RECEIVED
SEP 26 2016
NORTHFIELD TOWNSHIP

September 26, 2016

Howard Fink, FOIA Coordinator
Northfield Township Manager
8350Main Street
Whitmore Lake, MI 48189

Dear Mr. Fink:

Under the Michigan Freedom of Information Act § 15.231 et seq., I am requesting an opportunity to inspect or obtain copies of public records (all electronic and written communications/documents – including text messages) regarding, or relating to or referencing :

The latest sidewalk project on Main Street opposite the Middle School
-- What was the proposed budget
-- What were the bids and their breakdown including construction and engineering
-- Who was awarded the final contract
-- What was the final cost of the project

between and among any Northfield Township elected or appointed official, staff members, contractors or professionals engaged by the township. The time period for this request is from January 2015 until the date of this request.

If there are any fees for searching or copying these records, please inform me if the cost will exceed $20.00. However, I would also like to request a waiver of all fees in that the disclosure of the requested information is in the public interest. This information is not being sought for commercial purposes.

The Michigan Freedom of Information Act requires a response to this request within five days. If access to the records I am requesting will take longer than this amount of time, please contact me with information about when I might expect copies or the ability to inspect the requested records.

If you deny any or all of this request please cite each specific exemption you feel justifies the refusal to release the information and notify me of the appeal procedures available to me under the law.

If any documents are redacted, please provide an explanation.

Thank you for considering my request.

Sincerely,

Udo O. J. Huff

NORTHFIELD TOWNSHIP
MICHIGAN

October 3, 2016

Mr. Udo Huff
6431 Whitmore Lake Rd.
Whitmore Lake, Michigan 48189

Re: Freedom of Information Act Request

Mr. Huff,

We are in receipt of your Freedom of Information Act request dated September 26, 2016. In order to collect all necessary information for this request, we will be taking an extension of 10 business days in which to respond to the request, pursuant to MCL 15.235(2)(d). At this time, the fee for your request will most likely be greater than $20.00.

Sincerely,

Howard Fink

Howard Fink HF/JC
Northfield Township Manager

10/31/16 - spoke to Udo over the phone to let him know we would be taking 10 day extension

Jennifer Colosimo

NORTHFIELD TOWNSHIP
MICHIGAN

October 17, 2016

Mr. Udo Huff
6431 Whitmore Lake Rd.
Whitmore Lake, Michigan 48189

Re: Freedom of Information Act Request

Mr. Huff,

The documents in response to your FOIA request dated September, 26, 2016 are ready for pick-up. Your request has approved in full. The total cost for this request comes to $136.63, broken down as follows:

- Labor to locate, review and copy documents: $70.13
- Copying/Duplication Costs ($0.10/page): $66.50

Fees for this request must be paid in full prior to the release of the documents.

Sincerely,

Howard Fink
Northfield Township Manager
FOIA Coordinator

Township: Keep original and provide copies of both sides of each sheet, along with Public Summary, to requestor at no charge.

Northfield Township, Washtenaw County
8350 Main St
Whitmore Lake, MI 48189
Phone: 734-449-2880

Detailed Cost Itemization

Freedom of Information Act Request Detailed Cost Itemization

Date: 10/17/16 Prepared for **Request No.:** _____ Date Request Received: 9/26/16

The following costs are being charged in compliance with Section 4 of the Michigan Freedom of Information Act, MCL 15.234, according to the Township's FOIA Policies and Guidelines.

1. Labor Cost for Copying / Duplication

This is the cost of labor directly associated with duplication of publication, including making paper copies, making digital copies, or transferring digital public records to be given to the requestor on non-paper physical media or through the Internet or other electronic means as stipulated by the requestor.

This shall not be more than the hourly wage of the Township's lowest-paid employee capable of necessary duplication or publication in this particular instance, regardless of whether that person is available or who actually performs the labor.

These costs will be estimated and charged in 15-**minute time increments as set by the Township Board** *(for example: 15-minutes or more)*; all partial time increments must be rounded down. *If the number of minutes is less than one increment, there is no charge.*

Hourly Wage Charged: $ 16.50/hr x 1.5hrs **Charge per increment:** $_____

OR

Hourly Wage with Fringe Benefit Cost: $_____ **OR**

Multiply the hourly wage by the percentage multiplier: _____%
(up to 50% of the hourly wage) and add to the hourly wage for a total per hour rate. **Charge per increment:** $_____

☐ Overtime rate charged as stipulated by Requestor *(overtime is not used to calculate the fringe benefit cost)*

To figure the number of increments, take the *number of minutes:* ____, *divide by* _____ *-minute increments, and round down. Enter below:*

Number of increments

x _____ =

1. Labor Cost

$24.75

2. Labor Cost to Locate:

This is the cost of labor directly associated with the necessary searching for, locating, and examining public records in conjunction with receiving and fulfilling a granted written request. **This fee is being charged because failure to do so will result in unreasonably high costs to the Township that are excessive and beyond the normal or usual amount for those services compared to the Township's usual FOIA requests, because of the nature of the request in this particular instance, specifically:** _____

_____

_____

The Township will not charge more than the hourly wage of its lowest-paid employee capable of searching for, locating, and examining the public records in this particular instance, regardless of whether that person is available or who actually performs the labor.

These costs will be estimated and charged in ____-**minute time increments** ***(must be 15-minutes or more)***; all partial time increments must be rounded down. *If the number of minutes is less than 15, there is no charge.*

Hourly Wage Charged: $16.50 @ 2.25 **Charge per increment:** $_____

OR

Hourly Wage with Fringe Benefit Cost: $_____ **OR**

Multiply the hourly wage by the percentage multiplier: _____%
(up to 50% of the hourly wage) and add to the hourly wage for a total per hour rate. **Charge per increment:** $_____

☐ Overtime rate charged as stipulated by Requestor *(overtime is not used to calculate the fringe benefit cost)*

To figure the number of increments, take the *number of minutes:* ____, *divide by* _____ *-minute increments, and round down. Enter below:*

Number of increments

x _____ =

2. Labor Cost

$37.13

3a. Employee Labor Cost for Separating Exempt from Non-Exempt (Redacting):

(Fill this out if using a Township employee. If contracted, use No. 3b instead).

The Township will not charge for labor directly associated with redaction if it knows or has reason to know that it previously redacted the record in question and still has the redacted version in its possession.

This fee is being charged because failure to do so will result in unreasonably high costs to the Township that are excessive and beyond the normal or usual amount for those services compared to the Township's usual FOIA requests, because of the nature of the request in this particular instance, specifically:_____

This is the cost of labor of a **Township employee**, including necessary review, directly associated with separating and deleting exempt from nonexempt information. This shall not be more than the hourly wage of the **Township's lowest-paid employee** capable of separating and deleting exempt from nonexempt information in this particular instance, regardless of whether that person is available or who actually performs the labor.

These costs will be estimated and charged in ____**-minute time increments** ***(must be 15-minutes or more)***; all partial time increments must be rounded down. *If the number of minutes is less than 15, there is no charge.*

Hourly Wage Charged: $16.50 x .5 **Charge per increment: $**_____

OR

Hourly Wage with Fringe Benefit Cost: $_____ **OR**

Multiply the hourly wage by the percentage multiplier: ____% (*up to 50% of the hourly wage*) and add to the hourly wage for a total per hour rate. **Charge per increment: $**_____

☐ Overtime rate charged as stipulated by Requestor *(overtime is not used to calculate the fringe benefit cost)*

To figure the number of increments, take the *number of minutes:* ____, *divide by* _____ *-minute increments, and round down. Enter below:*

Number of increments

x _____ =

3a. Labor Cost

$ 8.25

3b. Contracted Labor Cost for Separating Exempt from Non-Exempt (Redacting):

(Fill this out if using a contractor, such as the attorney. If using in-house employee, use No. 3a instead.)

The Township will not charge for labor directly associated with redaction if it knows or has reason to know that it previously redacted the record in question and still has the redacted version in its possession.

This fee is being charged because failure to do so will result in unreasonably high costs to the Township that are excessive and beyond the normal or usual amount for those services compared to the Township's usual FOIA requests, because of the nature of the request in this particular instance, specifically:_____

As this Township does not employ a person capable of separating exempt from non-exempt information in this particular instance, as determined by the FOIA Coordinator, this is the cost of labor of a **contractor** (i.e.: outside attorney), including necessary review, directly associated with separating and deleting exempt information from nonexempt information. This shall not exceed an amount equal to 6 times the state minimum hourly wage rate of _____ (*currently $8.15*).

Name of contracted person or firm: _____

These costs will be estimated and charged in ____**-minute time increments** ***(must be 15-minutes or more)***; all partial time increments must be rounded down. *If the number of minutes is less than 15, there is no charge.*

Hourly Cost Charged: $_____ **Charge per increment: $**_____

To figure the number of increments, take the *number of minutes:* ____, *divide by* _____ *-minute increments, and round down to:* ____ *increments. Enter below:*

Number of increments

x _____ =

3b. Labor Cost

$_____

4. Copying / Duplication Cost:

Copying costs may be charged if a copy of a public record is requested, or for the necessary copying of a record for inspection (*for example, to allow for blacking out exempt information, to protect old or delicate original records, or because the original record is a digital file or database not available for public inspection*).

No more than the actual cost of a sheet of paper, up to maximum 10 cents per sheet for:

- **Letter** (8 ½ x 11-inch, single and double-sided): 10 **cents per sheet**
- **Legal** (8 ½ x 14-inch, single and double-sided): 10 **cents per sheet**

No more than the actual cost of a sheet of paper for other paper sizes:

- **Other paper sizes** (single and double-sided): 10 **cents / dollars per sheet**

Actual and most reasonably economical cost of non-paper physical digital media:

- ***Circle applicable:*** Disc / Tape / Drive / Other Digital Medium **Cost per Item:** _____

The cost of paper copies **must** be calculated as a total cost per sheet of paper. The fee **cannot exceed** 10 cents per sheet of paper for copies of public records made on 8-1/2- by 11-inch paper or 8-1/2- by 14-inch paper. A Township **must** utilize the most economical means available for making copies of public records, including using double-sided printing, if cost saving and available.

Number of Sheets:

x 1665 = $166.50
x _____ = $_____

x _____ = $_____

No. of Items:

x _____ = $_____

Costs:

4. Total Copy Cost

$166.50

5. Mailing Cost:

The Township will charge the actual cost of mailing, if any, for sending records in a reasonably economical and justifiable manner. Delivery confirmation is not required.

- The Township ***may*** charge for the least expensive form of postal delivery confirmation.
- The Township ***cannot*** charge more for expedited shipping or insurance unless specifically requested by the requestor.*

Actual Cost of Envelope or Packaging: $_____

Actual Cost of Postage: $_____ per stamp
$_____ per pound
$_____ per package

Actual Cost (least expensive) Postal Delivery Confirmation: $_____

***Expedited Shipping or Insurance as Requested:** $_____

☐ * Requestor has requested expedited shipping or insurance

Number of Envelopes or Packages:

x _____ = $_____

x _____ = $_____
x _____ = $_____
x _____ = $_____

x _____ = $_____

x _____ = $_____

Costs:

5. Total Mailing Cost

$_____

6a. Copying/Duplicating Cost for Records Already on Township's Website:

If the public body has included the website address for a record in its written response to the requestor, and the requestor thereafter stipulates that the public record be provided to him or her in a paper format or non-paper physical digital media, the Township will provide the public records in the specified format and may charge copying costs to provide those copies.

No more than the actual cost of a sheet of paper, up to maximum 10 cents per sheet for:

Number of Sheets:

Costs:

• **Letter** (8 ½ x 11-inch, single and double-sided): _____ **cents per sheet** • **Legal** (8 ½ x 14-inch, single and double-sided): _____ **cents per sheet** **No more than the actual cost of a sheet of paper for other paper sizes:** • **Other paper sizes** (single and double-sided): _____ **cents / dollars per sheet** **Actual and most reasonably economical cost of non-paper physical digital media:** • ***Circle applicable:*** Disc / Tape / Drive / Other Digital Medium **Cost per Item:** _____ ☐ **Requestor has stipulated that some / all of the requested records that are already available on the Township's website be provided in a paper or non-paper physical digital medium.**	x _____ = x _____ = x _____ = **No. of Items:** x _____ =	$_____ $_____ $_____ $_____ **6a. Web Copy Cost** $_____
6b. Labor Cost for Copying/Duplicating Records Already on Township's Website: This shall not be more than the hourly wage of the Township's lowest-paid employee capable of necessary duplication or publication in this particular instance, regardless of whether that person is available or who actually performs the labor. These costs will be estimated and charged in ____**-minute time increments** *(i.e.: 15-minutes or more)*; all partial time increments must be rounded down. *If the number of minutes is less than 15, there is no charge.* **Hourly Wage Charged: $**_____ **Charge per increment: $**_____ **OR** **Hourly Wage with Fringe Benefit Cost: $**_____ **OR** Multiply the hourly wage by the percentage multiplier: _____**%** and add to the hourly wage for a total per hour rate. **Charge per increment: $**_____ The Township may use a fringe benefit multiplier greater than the 50% limitation, not to exceed the actual costs of providing the information in the specified format. ☐ Overtime rate charged as stipulated by Requestor	To figure the number of increments, take the *number of minutes:* ____, *divide by* _____ *-minute increments, and round down. Enter below:* **Number of increments** x _____ =	**6b. Web Labor Cost** $_____
6c. Mailing Cost for Records Already on Township's Website: **Actual Cost of Envelope or Packaging: $**_____ **Actual Cost of Postage: $**_____ per stamp / per pound / per package **Actual Cost (least expensive) Postal Delivery Confirmation: $**_____ ***Expedited Shipping or Insurance as Requested: $**_____ ☐ * Requestor has requested expedited shipping or insurance	**Number:** x _____ = x _____ = x _____ = x _____ =	**Costs:** $_____ $_____ $_____ $_____ **6c. Web Mailing Cost** $_____

Subtotal Fees Before Waivers, Discounts or Deposits:

☐ Cost estimate
☐ Bill

Estimated Time Frame to Provide Records:

_____ (*days or date*)

The time frame estimate is nonbinding upon the township, but the township is providing the estimate in good faith. Providing an estimated time frame does not relieve the township from any of the other requirements of this act.

1. Labor Cost for Copying:	$_____
2. Labor Cost to Locate:	$_____
3a. Labor Cost to Redact:	$_____
3b. Contract Labor Cost to Redact:	$_____
4. Copying/Duplication Cost:	$_____
5. Mailing Cost:	$_____
6a. Copying/Duplication of Records on Website:	$_____
6b. Labor Cost for Copying Records on Website:	$_____
6c. Mailing Costs for Records on Website:	$_____
Subtotal Fees:	$_____

Waiver: Public Interest

A search for a public record may be conducted or copies of public records may be furnished without charge or at a reduced charge if the Township determines that a waiver or reduction of the fee is in the public interest because searching for or furnishing copies of the public record can be considered as primarily benefiting the general public.

☐ **All fees are waived** **OR** ☐ **All fees are reduced by:** _____%

Subtotal Fees After Waiver: $_____

Discount: Indigence

A public record search **must** be made and a copy of a public record **must** be furnished **without charge for the first $20.00 of the fee** for each request by an individual who is entitled to information under this act and who:

1) Submits an affidavit stating that the individual is indigent and receiving specific public assistance, **OR**

2) If not receiving public assistance, stating facts showing inability to pay the cost because of indigence.

If a requestor is ineligible for the discount, the public body shall inform the requestor specifically of the reason for ineligibility in the public body's written response. An individual is ineligible for this fee reduction if **ANY** of the following apply:

(i) The individual has previously received discounted copies of public records from the same public body twice during that calendar year, **OR**

(ii) The individual requests the information in conjunction with outside parties who are offering or providing payment or other remuneration to the individual to make the request. A public body may require a statement by the requestor in the affidavit that the request is not being made in conjunction with outside parties in exchange for payment or other remuneration.

☐ **Eligible for Indigence Discount**

Subtotal Fees After Discount (subtract $20): $_____

Discount: Nonprofit Organization

A public record search **must** be made and a copy of a public record **must** be furnished **without charge for the first $20.00 of the fee** for each request by a nonprofit organization formally designated by the state to carry out activities under subtitle C of the federal Developmental Disabilities Assistance and Bill of Rights Act of 2000 and the federal Protection and Advocacy for Individuals with Mental Illness Act, if the request meets **ALL** of the following requirements:

(i) Is made directly on behalf of the organization or its clients.

(ii) Is made for a reason wholly consistent with the mission and provisions of those laws under section 931 of the Michigan Mental Health Code, 1974 PA 258, MCL 330.1931.

(iii) Is accompanied by documentation of its designation by the state, if requested by the Township.

☐ **Eligible for Nonprofit Discount**

Subtotal Fees After Discount (subtract $20): $_____

Deposit: Good Faith

The Township may require a good-faith deposit before providing the public records to the requestor **if the entire fee estimate or charge authorized under this section exceeds $50.00**, based on a good-faith calculation of the total fee. The deposit cannot exceed 1/2 of the total estimated fee. **Percent of Deposit:** _____%

Date Paid: _____

Deposit Amount Required: $_____

Deposit: Increased Deposit Due to Previous FOIA Fees Not Paid In Full

After a Township has granted and fulfilled a written request from an individual under this act, if the Township has not been paid in full the total amount of fees for the copies of public records that the Township made available to the individual as a result of that written request, **the Township may require an increased estimated fee deposit of up to 100% of the estimated fee before it begins a full public record search for any subsequent written request from that individual** if **ALL** of the following apply:

(a) The final fee for the prior written request was not more than 105% of the estimated fee.
(b) The public records made available contained the information being sought in the prior written request and are still in the Township's possession.
(c) The public records were made available to the individual, subject to payment, within the best effort estimated time frame given for the previous request.
(d) Ninety (90) days have passed since the Township notified the individual in writing that the public records were available for pickup or mailing.
(e) The individual is unable to show proof of prior payment to the Township.
(f) The Township calculates a detailed itemization, as required under MCL 15.234, that is the basis for the current written request's increased estimated fee deposit.

Percent Deposit Required: _____%

A Township **can no longer require an increased estimated fee deposit** from an individual if **ANY** of the following apply:

(a) The individual is able to show proof of prior payment in full to the Township, **OR**
(b) The Township is subsequently paid in full for the applicable prior written request, **OR**
(c) Three hundred sixty-five (365) days have passed since the individual made the written request for which full payment was not remitted to the Township.

Date Paid: _____

Deposit Required: $_____

Late Response Labor Costs Reduction

If the Township does not respond to a written request in a timely manner as required under MCL 15.235(2), the Township **must** do the following:

(a) **Reduce the charges for labor costs** otherwise permitted by 5% for each day the Township exceeds the time permitted for a response to the request, **with a maximum 50% reduction**, if **EITHER** of the following applies:

(i) The late response was willful and intentional, **OR**

(ii) The written request included language that conveyed a request for information within the first 250 words of the body of a letter, facsimile, electronic mail, or electronic mail attachment, or specifically included the words, characters, or abbreviations for "freedom of information," "information," "FOIA," "copy", or a recognizable misspelling of such, or appropriate legal code reference for this act, on the front of an envelope, or in the subject line of an electronic mail, letter, or facsimile cover page.

Number of Days Over Required Response Time: _____

Multiply by 5%

= Total Percent Reduction: _____

Total Labor Costs $_____

Minus Reduction $_____

= Reduced Total Labor Costs $_____

The Public Summary of the Township's FOIA Procedures and Guidelines is available free of charge from:
Website:_____ Email: _____
Phone: _____ Address:_____

Request Will Be Processed,
But Balance Must Be Paid Before Copies May Be Picked Up, Delivered or Mailed

Date Paid: 10/27/16

Total Balance Due: $13.63

10/25/16 Board voted for Fee to be $20.00

NORTHFIELD TOWNSHIP
8350 MAIN STREET, P O BO
WHITMORE LAKE, MI 48189
Phone : (734) 449-2880
WWW.TWP.NORTHFIELD.MI.US

Received From:

Date: 10/27/2016
Time: 2:02:56 PM
Receipt: 60320
Cashier: COUNTER
Workstation: COUNTR
Drawer: 1

ITEM REFERENCE	AMOUNT
COPY DUPLICATING/COPIES/ UDO HUFF FOIA	$20.00
TOTAL	$20.00
CASH	$20.00
Total Tendered:	$20.00
Change:	$0.00

NORTHFIELD TOWNSHIP
MICHIGAN

Dear Mr. Huff,

In response to your FOIA request dated September 26, 2016, the following requested information is available on-line.

Our web address is www.twp-northfield.org, then click on the brown button labeled "Notices, Agendas & Minutes".

Under *"Board of Trustees Meeting Packets"*, and *"Board of Trustees Minutes"*:

February 10, 2015 Packet & Minutes
June 23, 2015 Packet & Minutes
August 25, 2015 Packet & Minutes
July 26, 2016 Packet & Minutes
August 9, 2016 Packet & Minutes

Sincerely,

Jennifer Carlisle

Jennifer Carlisle
Assistant to the Township Manager

8350 Main Street • Whitmore Lake, Michigan 48189-0576
Telephone: (734) 449-2880 • Fax: (734) 449-0123 • Web Site: www.twp-northfield.org

Howard Fink

From: Stephen Wade [wades@ewashtenaw.org]
Sent: Friday, January 23, 2015 12:45 PM
To: Howard Fink
Cc: Jennifer Carlisle
Subject: northfield township sidewalk CDBG - project management proposal
Attachments: Northfield Township CDBG Sidewalk - Project management DRAFT plan 1.23.15 - Copy.docx

Here is the project management proposal. Feel free to make any edits.

Have a great weekend.

Stephen Wade, MUP, Management Analyst
Washtenaw County Office of Community & Economic Development
wades@ewashtenaw.org
(734) 544-3056
NEW ADDRESS
415 W. Michigan Ave
Ypsilanti, MI 48197

Watch the Washtenaw Sustainable Communities video

Washtenaw County Project Management Proposal

Northfield Township CDBG Sidewalk Project – 2010-2015

Description

Northfield Township is going to use Community Development Block Grant (CDBG) funds for the construction of a sidewalk along Main Street, linking the existing sidewalk in front of the Westbrook Apartment Complex to the entrance of Whitmore Lake Middle School.

The Washtenaw County Office of Community and Economic Development (OCED) has been working with Northfield Township to see if an area qualifies for a Low-Moderate Income (LMI) sidewalk project. Northfield Township needed to collect 125 surveys with 51% of them being from LMI households. As of September 2, 2014, Northfield Township collected 128 total surveys with 69 (53.91%) qualifying as LMI.

Planned activities include design, environmental review, potential acquisition, and sidewalk installation. The construction phase of the project is proposed to occur in conjunction with the Ypsilanti Township sidewalk project.

Northfield Township CDBG Allocation

Year	Amount
FY 2010	$ 25,000
FY 2011	$ 10,000
FY 2012	
FY 2013	$ 11,687
FY 2014	$ 9,383
FY 2015 (projected)	$ 10,000
Total	**$ 66,070**

Timeline

1. Environmental Review for design/engineering work – February 2015
2. Issue RFQ – Township reviews RFQ – February 2015
3. Execute contract for design/engineering work –March 2015
4. Complete design/engineering work - Township reviews design/engineering work before work is reimbursed – April 2015
5. If there are right-of-way acquisition needs, Township executes agreements with property owners.
6. Environmental Review of construction work – April-July 2015
7. Issue construction RFP - Township reviews RFP – August 2015
8. Execute contract for construction work – September 2015
9. Complete construction work - Township reviews construction work before work is reimbursed – Fall 2015

DRAFT

Howard Fink

From: Stephen Wade [wades@ewashtenaw.org]
Sent: Thursday, February 26, 2015 11:22 AM
To: Howard Fink; Jennifer Carlisle
Subject: RFQ for Whitmore Lake CDBG Main Street Sidewalk Infill
Attachments: Northfield Township Suvey Area.pdf; 2015 Service Contract FEDERAL FUNDS.doc; Wash. Co. Req for Quote - CDBG Sidewalk Northfield Twp Twp 2-26-15.doc; Engineering Firms (278 bytes)

Thanks for chatting real quick, Howard. Here is the information I said I was going to send you.

I attached the draft of a Request for Quotations (RFQ). Let's discuss in more detail at our meeting next week. I have questions about ADA ramps, crosswalks, etc.

I'd like to send this out next week after our meeting. I'm also inviting Sheryl from the Road Commission to our meeting.

There are three other attachments.

- Map of the area
- Washtenaw County contract template
- List of engineering firms we would send this to. We could add any others.

Let me know if you have any questions.

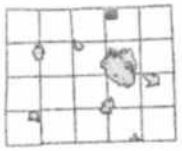
Thanks,
Stephen

Stephen Wade, MUP, Management Analyst
Washtenaw County Office of Community & Economic Development
wades@ewashtenaw.org
(734) 544-3056
415 W. Michigan Ave
Ypsilanti, MI 48197
www.ewashtenaw.org/urbancounty

Watch the Washtenaw Sustainable Communities video

Northfield Township Survey Area

Geographic Information System



Legend

- Police Stations
- Fire Stations
- County Buildings
- Local Unit Offices
- Schools
- Close_OneWayDec
  - 1
  - 2
- Close_Roads
  - All Other Roads
  - Unknown
  - Alley/Driveway, 0; Al
  - Primary Roads
  - Ramps
  - Highways
- Parks
- Interest
  - College/University
  - Golf Course
  - Hospital

THIS MAP REPRESENTS PARCELS ATTHE TIME OF PRINTING. THE OFFICIAL PARCEL TAX MAPS ARE MAINTAINED SOLELY BY THE WASHTENAW COUNTY EQUALIZATION DEPARTMENT AND CAN BE OBTAINED BY CONTACTING THAT OFFICE AT 734-222-6662.

The information contained in this cadastral map is used to locate, identify and inventory parcels of land in Washtenaw County for appraisal and taxing purposes only and is not to be construed as a "survey description". The information is provided with the understanding that the conclusions drawn from such information are solely the responsibility of the user. Any assumption of legal status of this data is hereby disclaimed.

NOTE: Parcels may not be to scale.

9/25/2013

0 613.64 1,227.3 Feet

© 2013 Washtenaw County

1: 7,364

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

THIS MAP IS NOT TO BE USED FOR NAVIGATION

Notes

Red Area = Survey Area
Blue Line = Existing Sidewalk
Yellow Line = Proposed Sidewalk

SERVICE CONTRACT - FEDERAL FUNDED **CR_____**

AGREEMENT is made this ----------_day of ---------- , 2015, by the COUNTY OF WASHTENAW, a municipal corporation, with offices located in the County Administration Building, 220 North Main Street, Ann Arbor, Michigan 48107("County") and ***(NAME OF CONTRACTOR)*** located at ***(CONTRACTOR'S ADDRESS)*** ("Contractor").

Federal Awarding Agency	
Federal / State Contract Number	
Federal Program Title	
CFDA Number	
Federal Funding %	

In consideration of the promises below, the parties mutually agree as follows:

ARTICLE I - SCOPE OF SERVICES

The Contractor will ***(SPELL OUT SCOPE OF SERVICE)***

ARTICLE II - COMPENSATION

Upon completion of the above services and submission of invoices the County will pay the Contractor an amount not to exceed ***(SPELL OUT DOLLAR AMOUNT)*** in accordance with specifications described in RFP # _____.

ARTICLE III - REPORTING OF CONTRACTOR

Section 1 - The Contractor is to report to ***(DEPARTMENT HEAD TITLE)*** and will cooperate and confer with him/her as necessary to insure satisfactory work progress.

Section 2 - All reports, estimates, memoranda and documents submitted by the Contractor must be dated and bear the Contractor's name.

Section 3 - All reports made in connection with these services are subject to review and final approval by the County Administrator.

Section 4 - The County may review and inspect the Contractor's activities during the term of this contract.

Section 5 - When applicable, the Contractor will submit a final, written report to the County Administrator.

Section 6 - After reasonable notice to the Contractor, the County may review any of the Contractor's internal records, reports, or insurance policies.

ARTICLE IV - TERM

This contract begins on ***(MONTH, DAY, YEAR)*** and ends on ***(MONTH, DAY, YEAR)***, *with an option to extend an additional _____ year(s).*

ARTICLE V - PERSONNEL

Section 1 - The contractor will provide the required services and will not subcontract or assign the services without the County's written approval.

Section 2 - The Contractor will not hire any County employee for any of the required services without the County's written approval.

Section 3 - The parties agree that all work done under this contract shall be completed in the United States and that none of the work will be partially or fully completed by either an offshore subcontractor or offshore business interest either owned or affiliated with the contractor. For purposes of this contract, the term, "offshore" refers to any area outside the contiguous United States, Alaska or Hawaii.

ARTICLE VI - INDEPENDENT CONTRACTOR

Contractor and the County shall, at all times, be deemed to be independent contractors and nothing herein shall be construed to create or imply that there exists between the parties a partnership, joint venture or other business organization. Contractor shall hold no authority, express or implied, to commit, obligate or make representations on behalf of the County and shall make no representation to others to the contrary.

Nothing herein is intended nor shall be construed for any purpose as creating the relationship of employer and employee or agent and principal between the parties. Except as otherwise specified in this contract, Contractor retains the sole right and obligation to direct, control or supervise the details and means by which the services under this contract are provided.

Contractor shall not be eligible for, or participate in, any insurance, pension, workers' compensation insurance, profit sharing or other plans established for the benefit of the County's employees. Contractor shall be solely responsible for payment of all taxes arising out of the Contractor's activities in connection with this Agreement, including, without limitation, federal and state income taxes, social security taxes, unemployment insurance taxes and any other tax or business license fees as required. The County shall not be responsible for withholding any income or employment taxes whatsoever on behalf of the Contractor.

ARTICLE VII - INDEMNIFICATION AGREEMENT

The contractor will protect, defend and indemnify Washtenaw County, its officers, agents, servants, volunteers and employees from any and all liabilities, claims, liens, fines, demands and costs, including legal fees, of whatsoever kind and nature which may result in injury or death to any persons, including the Contractor's own employees, and for loss or damage to any property, including property owned or in the care, custody or control of Washtenaw County in connection with or in any way incident to or arising out of the occupancy, use, service, operations, performance or non-performance of work in connection with this contract resulting in whole or in part from negligent acts or omissions of contractor, any sub-contractor, or any employee, agent or representative of the contractor or any sub-contractor.

ARTICLE VIII - INSURANCE REQUIREMENTS

The Contractor will maintain at its own expense during the term of this Contract, the following insurance:

1. Workers' Compensation Insurance with Michigan statutory limits and Employers Liability Insurance with a minimum limit of $100,000 each accident for any employee.

2. Commercial General Liability Insurance with a combined single limit of $1,000,000 each occurrence for bodily injury and property damage. The County shall be added as "additional insured" on general liability policy with respect to the services provided under this contract.

3. Automobile Liability Insurance covering all owned, hired and nonowned vehicles with Personal Protection Insurance and Property Protection Insurance to comply with the provisions of the Michigan No Fault Insurance Law, including residual liability insurance with a minimum combined single limit of $1,000,000 each accident for bodily injury and property damage.

Insurance companies, named insureds and policy forms may be subject to the approval of the Washtenaw County Administrator, if requested by the County Administrator. Such approval shall not be unreasonably withheld. Insurance policies shall not contain endorsements or policy conditions which reduce coverage provided to Washtenaw County. Contractor shall be responsible to Washtenaw County or insurance companies insuring Washtenaw County for all costs resulting from both financially unsound insurance companies selected by Contractor and their inadequate insurance coverage. Contractor shall furnish the Washtenaw County Administrator with satisfactory certificates of insurance or a certified copy of the policy, if requested by the County Administrator.

No payments will be made to the Contractor until the current certificates of insurance have been received and approved by the Administrator. If the insurance as evidenced by the certificates furnished by the Contractor expires or is canceled during the term of the contract, services and related payments will be suspended. Contractor shall furnish the County Administrator's Office with certification of insurance evidencing such coverage and endorsements at least ten (10) working days prior to commencement of services under this contract. Certificates shall be addressed to the Washtenaw County c/o: ***INSERT DEPARTMENT & CR#_____, Street Address,*** P. O. Box 8645, Ann Arbor, MI, 48107, and shall provide for written notice to the Certificate holder of cancellation of coverage.

ARTICLE IX - COMPLIANCE WITH LAWS AND REGULATIONS

The Contractor will comply with all federal, state and local regulations, including but not limited to all applicable OSHA/MIOSHA requirements and the Americans with Disabilities Act.

ARTICLE X - INTEREST OF CONTRACTOR AND COUNTY

The Contractor promises that it has no interest which would conflict with the performance of services required by this contract. The Contractor also promises that, in the performance of this contract, no officer, agent, employee of the County of Washtenaw, or member of its governing bodies, may participate in any decision relating to this contract which affects his/her personal interest or the interest of any corporation, partnership or association in which he/she is directly or indirectly interested or has any personal or pecuniary interest.

However, this paragraph does not apply if there has been compliance with the provisions of Section 3 of Act No. 317 of the Public Acts of 1968 and/or Section 30 of Act No. 156 of Public Acts of 1851, as amended by Act No. 51 of the Public Acts of 1978, whichever is applicable.

ARTICLE XI - CONTINGENT FEES

The Contractor promises that it has not employed or retained any company or person, other than bona fide employees working solely for the Contractor, to solicit or secure this contract, and that it has not paid or agreed to pay any company or person, other than bona fide employees working solely for the Contractor, any fee, commission, percentage, brokerage fee, gifts or any other consideration contingent upon or resulting from the award or making of this contract. For breach of this promise, the County may cancel this contract without liability or, at its discretion, deduct the full amount of the fee, commission, percentage, brokerage fee, gift or contingent fee from the compensation due the Contractor.

ARTICLE XII – DEBARMENT AND SUSPENSION

By signing this Contract, Contractor assures the County that it will comply with Federal Regulation 45 CFR Part 76 and certifies that to the best of its knowledge and belief the Contractor and any subcontractors retained by Contractor:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any federal department or contractor;

2. Have not within a three-year period preceding this Contract been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property;

3. Are not presently indicted or otherwise criminally or civilly charged by a government entity (federal, state or local) with commission of any of the offenses enumerated in section 2, and ;

4. Have not within a three-year period preceding this Contract had one or more public transactions (federal, state or local) terminated for cause or default.

ARTICLE XIII – LOBBYING

By signing this contract, Contractor assures the County that it will comply with Section 1352, Title 31 of the U.S. Code (pertaining to not using federal monies to influence federal contracting and financial transactions). The Contractor assures the County that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the Contractor, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the making of any Federal grant, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal grant or cooperative agreement;

2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal grant or cooperative agreement, the Contractor shall complete and submit Standard Form - LLL, Disclosure of Lobbying Activities," in accordance with its instructions;

3. This language shall be included in the award documents for all subawards at all tiers (including subgrants, contracts under grants and cooperative agreements, and subcontracts) and that all sub-recipients shall certify and disclose accordingly.

ARTICLE XIV - DRUG-FREE WORKPLACE

Grantees Other Than Individuals

A. As required by the Drug-Free Workplace Act of 1988, the Contractor assures the County that it will or will continue to provide a drug-free workplace by:
   a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
   b) Establishing an on-going drug-free awareness program to inform employees about—
      1) The dangers of drug abuse in the workplace;
      2) The grantee's policy of maintaining a drug-free workplace;
      3) Any available drug counseling, rehabilitation, *and* employee assistance programs; and
      4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
   c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);
   d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will—
      1) Abide by the terms of the statement; and
      2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;
   e) Notifying the County, in writing, within 10 calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to the County;
   f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted—
      1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
      2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;
   g) Making a good faith effort to continue to maintain a drug- free workplace through implementation of paragraphs (a), (b), (c), (d), (e), and (f).

Grantees Who Are Individuals

As required by the Drug-Free Workplace Act of 1988:

A. As a condition of the grant, the Contractor assures the County that it will not engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in conducting any activity with the grant; and
B. If convicted of a criminal drug offense resulting from a violation occurring during the conduct of any grant activity, the Contractor agrees to report the conviction, in writing, within 10 calendar days of the conviction, to the County.

ARTICLE XV - FEDERAL PROCUREMENT STANDARDS

The Contractor assures the County that it will follow federal procurement standards as described in the Code of Federal Regulations Part 215 Subpart C – Post-Award Requirements, Procurement Standards, Sections 215.40-48 when procuring goods or services with federal funds to insure that procurement decisions are made ethically and with free and open competition among those providing the goods or services.

ARTICLE XVI - EQUAL EMPLOYMENT OPPORTUNITY

The Contractor will not discriminate against any employee or applicant for employment because of race, creed, color, sex, sexual orientation, national origin, physical handicap, age, height, weight, marital status, veteran status, religion and political belief (except as it relates to a bona fide occupational qualification reasonably necessary to the normal operation of the business).

The Contractor will take affirmative action to eliminate discrimination based on sex, race, or a handicap in the hiring of applicant and the treatment of employees. Affirmative action will include, but not be limited to: Employment; upgrading, demotion or transfer; recruitment advertisement; layoff or termination; rates of pay or other forms of compensation; selection for training, including apprenticeship.

The Contractor agrees to post notices containing this policy against discrimination in conspicuous places available to applicants for employment and employees. All solicitations or advertisements for employees, placed by or on the behalf of the Contractor, will state that all qualified applicants will receive consideration for employment without regard to race, creed, color, sex, sexual orientation, national origin, physical handicap, age, height, weight, marital status, veteran status, religion and political belief.

ARTICLE XVII - LIVING WAGE

The parties understand that the County has enacted a Living Wage Ordinance that requires covered vendors who execute a service or professional service contract with the County to pay their employees under that contract, a minimum of either $11.81 per hour with benefits or $13.85 per hour without benefits. Contractor agrees to comply with this Ordinance in paying its employees. Contractor understands and agrees that an adjustment of the living wage amounts, based upon the Health and Human Services poverty guidelines, will be made on or before April 30, 2015 and annually thereafter which amount shall be automatically incorporated into this contract. County agrees to give Contractor thirty (30) days written notice of such change. Contractor agrees to post a notice containing the County's Living Wage requirements at a location at its place of business accessed by its employees.

ARTICLE XVIII - EQUAL ACCESS

The Contractor shall provide the services set forth in Article I without discrimination on the basis of race, color, religion, national origin, sex, sexual orientation, marital status, physical handicap, or age.

ARTICLE XIX - OWNERSHIP OF DOCUMENTS AND PUBLICATION

All documents developed as a result of this contract will be freely available to the public. None may be copyrighted by the Contractor. During the performance of the services, the Contractor will be responsible for any loss of or damage to the documents while they are in its possession and must restore the loss or damage at its expense. Any use of the information and results of this contract by the Contractor must reference the project sponsorship by the County. Any publication of the information or results must be co-authored by the County.

ARTICLE XX - ASSIGNS AND SUCCESSORS

This contract is binding on the County and the Contractor, their successors and assigns. Neither the County nor the Contractor will assign or transfer its interest in this contract without the written consent of the other.

ARTICLE XXI - TERMINATION OF CONTRACT

Section 1 - Termination without cause. Either party may terminate the contract by giving thirty (30) days written notice to the other party.

Section 2 - In the event of any breach or default by the County or the Contractor of the terms and conditions of this Agreement, the party not in default will give written notice to the party in default specifying the acts and/or omissions constituting the alleged default or breach; if within fifteen (15) working days after issuance of such notice, the party in default has failed to cure such default, then in that event, the party not in default may terminate this Agreement and exercise such other rights as are provided herein and by law for breach of contract; provided, however, that if the alleged default can be cured by the performance of work or repairs or by some act, the performance of which requires a period of time, such default will be determined to have been cured if, within the above-referenced fifteen (15) working days, the party allegedly in default has begun to cure the default and continues until such default is cured within a reasonable time.

ARTICLE XXII - PAYROLL TAXES

The Contractor is responsible for all applicable state and federal social security benefits and unemployment taxes and agrees to indemnify and protect the County against such liability.

ARTICLE XXIII- PRACTICE AND ETHICS

The parties will conform to the code of ethics of their respective national professional associations.

ARTICLE XXIV- CHANGES IN SCOPE OR SCHEDULE OF SERVICES

Changes mutually agreed upon by the County and the Contractor, will be incorporated into this contract by written amendments signed by both parties.

ARTICLE XXV - CHOICE OF LAW AND FORUM

This contract is to be interpreted by the laws of Michigan. The parties agree that the proper forum for litigation arising out of this contract is in Washtenaw County, Michigan.

ARTICLE XXVI-FEDERALLY REQUIRED PROVISIONS

When applicable, the following provisions shall apply to contracts funded in whole, or in part, by federal award monies:

For "federally assisted construction contracts" as defined by 41 CFR Part 60-1.3, Contractor must comply with the equal opportunity clause provided under 41 CFR 60—1.4(b), in accordance with Executive Order 11246, "Equal Employment Opportunity (30 FR 12319, 12935, 3 CFR Part, 1964—1965 Comp., p. 339), as amended by Executive Order 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and implementing regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor."

For all prime construction contracts exceeding $2,000.00 awarded by non-Federal entities, Contractor shall comply with the Davis-Bacon Act (40 U.S.C. 3141—3144, and 3146—3148), as supplemented by Department of Labor regulations (29 CFR Part 5, "Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction"). Contractor must pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, Contractor must be paid wages not less than once a week. The parties agree that the County will report all suspected or reported violations of this provision to the Federal awarding agency.

In addition, Contractor must also comply with the Copeland "Anti-Kickback Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Bidding or Public Work Financed in Whole or in Part by Loans or Grants from the United States") which prohibits Contractor or Subrecipient from inducing, by any means, any person employed in the construction, completion or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. County shall report all suspected or reported violations to the Federal awarding agency.

If this contract exceeds $100,000.00 and involves the employment of mechanics or laborers, Contractor shall comply with U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). To that extent, Contractor must compute the wages of each mechanic and laborer on the basis of a standard forty (40) hour work week with hours exceeding this standard to be paid at one and one half the standard hourly rate. In addition, Contractor agrees that no mechanic or laborer shall be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous.

If the Federal award funding this Agreement meets the definition of "funding agreement" under 37 CFR, Sec. 401.2(a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental or research work under that funding agreement, the recipient or subrecipient must comply with 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency.

If this Agreement and/or subgrant exceeds $150,000.00, Contractor shall comply with all applicable standards, orders and/or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387).

The parties agree that the County shall report all violations of these Acts to the Federal awarding agency and the Regional Office of the Environmental Protection Agency ("EPA").

Contractor agrees to comply with all mandatory standards and policies relating to energy efficiency which are contained in the State of Michigan's energy conservation plan issued in compliance with the Energy Policy and Conservation Act. (42 U.S.C. 6201).

Contractor agrees to comply with the provisions of the Byrd Anti-Lobbying Amendment (31 U.S.C. Section 1352), which prohibits the use of federal funds by the Contractor or subcontractor of a Federal contract, grant, loan or cooperative agreement to pay any person to influence or attempt to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress or an employee of a member of Congress in connection with the federal funds awarded under this Agreement.

The parties agree that County and Contractor shall comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include, for those items where the purchase price exceeds $10,000.00 or the value of the quantity acquired by the preceding fiscal year exceeded $10,000.00, procuring only items designated in guidelines of the EPA at 40 CFR, Part 247, that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program to procuring recovered materials identified in the EPA guidelines.

ARTICLE XXVII - EXTENT OF CONTRACT

This contract represents the entire agreement between the parties and supersedes all prior representations, negotiations or agreements whether written or oral.

ATTESTED TO:

By:_----------

Lawrence Kestenbaum (DATE)
County Clerk/Register

WASHTENAW COUNTY

Verna J. McDaniel (DATE)
County Administrator

APPROVED AS TO CONTENT:

By:_----------

(DEPARTMENT HEAD) (DATE)

CONTRACTOR

(CONTRACTOR'S NAME) (DATE)

APPROVED AS TO FORM:

By:_----------

Curtis N. Hedger (DATE)
Office of Corporation Counsel

Howard Fink

From: Stephen Wade [wades@ewashtenaw.org]
Sent: Thursday, February 26, 2015 11:38 AM
To: Howard Fink
Subject: RE: RFQ for Whitmore Lake CDBG Main Street Sidewalk Infill
Attachments: Engineering Firms (278 bytes)

Can you open the attachment? It is for outlook.

Stephen Wade, MUP, Management Analyst
Washtenaw County Office of Community & Economic Development
wades@ewashtenaw.org
(734) 544-3056
415 W. Michigan Ave
Ypsilanti, MI 48197
www.ewashtenaw.org/urbancounty

Watch the Washtenaw Sustainable Communities video

From: Howard Fink
Sent: Thursday, February 26, 2015 11:39 AM
To: Stephen Wade
Subject: RE: RFQ for Whitmore Lake CDBG Main Street Sidewalk Infill

There are no engineering firms listed in the attached email.
Howard

Howard Fink
Northfield Township Manager
8350 Main St., Ste. A
Whitmore Lake, MI 48189
Phone: (734) 449-2880 x 12
Fax: (734) 449-0123

From: Stephen Wade [mailto:wades@ewashtenaw.org]
Sent: Thursday, February 26, 2015 11:22 AM
To: Howard Fink; Jennifer Carlisle
Subject: RFQ for Whitmore Lake CDBG Main Street Sidewalk Infill

Thanks for chatting real quick, Howard. Here is the information I said I was going to send you.

I attached the draft of a Request for Quotations (RFQ). Let's discuss in more detail at our meeting next week. I have questions about ADA ramps, crosswalks, etc.

I'd like to send this out next week after our meeting. I'm also inviting Sheryl from the Road Commission to our meeting.

There are three other attachments.

- Map of the area
- Washtenaw County contract template
- List of engineering firms we would send this to. We could add any others.

Let me know if you have any questions.

Thanks,
Stephen

Stephen Wade, MUP, Management Analyst
Washtenaw County Office of Community & Economic Development
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Howard Fink

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Howard

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Northfield Township Manager
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Let me know if you have any questions.

Thanks,
Stephen

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Watch the Washtenaw Sustainable Communities video

Howard Fink

From: Stephen Wade [wades@ewashtenaw.org]
Sent: Thursday, March 05, 2015 1:03 PM
Subject: Washtenaw County Request for Quotations (RFQ) RFQ for Northfield Towship CDBG Sidewalk Infill on Main Street
Attachments: Northfield Township Suvey Area.pdf; Wash. Co. Req for Quote - CDBG Sidewalk Northfield Twp 3-5-15.pdf

Hello,

The Washtenaw County Office of Community and Economic Development (OCED)is formally soliciting a RFQ (Request For Quotation) for Engineering Services for the CDBG (Community Development Block Grant) Main Street Sidewalk Project within Northfield Charter Township.

Please see the attachments. Submit your quotation via e-mail to: Stephen Wade, wades@ewashtenaw.org indicating your agreement with the applicable terms and conditions that follow.

If you have questions, please contact: Stephen Wade, 734-544-3056. Otherwise, please respond by or before March 26, 2015.

Thanks,
Stephen Wade

Stephen Wade, MUP, Management Analyst
Washtenaw County Office of Community & Economic Development
wades@ewashtenaw.org
(734) 544-3056
415 W. Michigan Ave
Ypsilanti, MI 48197
www.ewashtenaw.org/urbancounty

Watch the Washtenaw Sustainable Communities video

Jennifer Carlisle

From: Stephen Wade [wades@ewashtenaw.org]
Sent: Thursday, March 05, 2015 1:03 PM
Subject: Washtenaw County Request for Quotations (RFQ) RFQ for Northfield Towship CDBG Sidewalk Infill on Main Street
Attachments: Northfield Township Suvey Area.pdf; Wash. Co. Req for Quote - CDBG Sidewalk Northfield Twp 3-5-15.pdf

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If you have questions, please contact: Stephen Wade, 734-544-3056. Otherwise, please respond by or before March 26, 2015.

Thanks,
Stephen Wade

Stephen Wade, MUP, Management Analyst
Washtenaw County Office of Community & Economic Development
wades@ewashtenaw.org
(734) 544-3056
415 W. Michigan Ave
Ypsilanti, MI 48197
www.ewashtenaw.org/urbancounty

Watch the Washtenaw Sustainable Communities video

Date: March 5, 2015

The Washtenaw County Office of Community and Economic Development is formally soliciting a RFQ (Request For Quotation) for Engineering Services for the CDBG (Community Development Block Grant) Main Street Sidewalk Project within Northfield Charter Township.

The sidewalk infill is along Main Street, linking the existing sidewalk in front of the Westbrook Apartment Complex to the entrance of Whitmore Lake Middle School. The intent of this project is to construct two non-contiguous sections of five-foot wide sidewalk along the east side of Main Street, and addition of one pedestrian crossing at the entrance to the Middle School (see Attachment 1). The areas for sidewalk infill are marked in yellow in Attachment 1.

Public access easements will be secured by Northfield Charter Township to allow the new public sidewalks to be located within an easement dedicated for that purpose.

In addition, engineering design for a number of ADA ramps, and crosswalk striping and infrastructure at the Whitmore Lake Middle School entrance will be necessary, in accordance with Washtenaw County Road Commission (WCRC) requirements.

The provided services include concept and final engineering plans of the proposed sidewalks, permitting, and construction document preparation sufficient for bidding, and construction administration. The contractor will coordinate final design, approvals, and permitting with the Township, the Washtenaw County Road Commission, and the Washtenaw County Office of Community and Economic Development.

Scope of Work:

- Meet with County officials to review sidewalk concept plans, and determine final details and scope of the project.
- Provide a Boundary and Topographic Survey of the entire length of the proposed sidewalk for detailed design and approvals.
- Coordinate with WCRC to determine design requirements for the Whitmore Lake Middle School pedestrian crossing, including the design of the pedestrian signal portion, the sidewalk/ADA ramp details and boundary and topographic survey information.
- Meet with necessary agencies to confirm final approval process.
- Prepare 90% design drawings for agency review and approval.
- Provide legal easement sketches of the potential two or three areas requiring easement acquisition.

- Prepare final design drawings and assist in obtaining final construction permits.
- Prepare construction specifications and bidding documents for final review and approval, including incorporation of any language required by CDBG funding.
- Prepare a detailed construction cost estimate and sufficient number of bidding sets.
- Assist with bidding process.
- Assist with contractor selection and construction engineering.

Additional Items

- Any required studies, including but not limited to, Traffic, geotechnical, natural features, archeological, historical, wetlands, and environmental.
- Existing utility relocations.

Assumptions

Deed, title commitment and all other legal documentation of property ownership will be provided to the contractor by Northfield Charter Township.

Any project related fees for plan submittals, reviews, permitting; escrows, etc. will be paid by the contractor.

Please provide a not-to-exceed Time and Materials budget with the quotation. Please provide hourly rates of all individuals that will perform work under the requested scope.

Please submit your quotation via e-mail to: Stephen Wade, wades@ewashtenaw.org indicating your agreement with the applicable terms and conditions that follow.

If you have questions, please contact: Stephen Wade, 734-544-3056. Otherwise, please respond by or before March 26, 2015

WASHTENAW COUNTY TERMS & CONDITIONS

1. **Any proposed amendments or changes to this RFQ must be in writing and submitted to (or generated by) the Washtenaw County Purchasing Division.**
2. **The acceptance of this does not in any way make Washtenaw County a party to any infringement or damage suites. Such suits shall be borne by the Vendor.**
3. **Washtenaw County is exempt from Federal Excise and Michigan Sales Taxes.**
4. **Payment term shall be FOB Destination net 30 days unless otherwise specified.**
5. **Non-Discrimination Clause – in the performance of any contract or purchase Order resulting herefrom, the bidder agrees not to discriminate against any employee with respect to his or her hire, tenure, terms, conditions or privileges of employment, or any matter directly or indirectly related to employment, because of his or her race, color, creed, sec, religion, national origin, ancestry, age, marital status, veteran status, sexual preference, physical handicap, height, weight or political belief.**

By responding to the next page you are agreeing to the above Washtenaw County terms & conditions.

REQUEST FOR QUOTE

Date: _____

Price Valid for _____ Days

Company Name/Address/Phone/URL:

Prepared for:

SALESPERSON	JOB NAME	SHIPPING METHOD	SHIPPING TERMS	DELIVERY DATE	PAYMENT TERMS

QTY	ITEM #	DESCRIPTION	UNIT PRICE	LINE TOTAL

Subtotal	
Installation	
Freight/ Shipping	
Sales Tax	----------
TOTAL	

Signed by: _____

Date: _____

Date: March 5, 2015

The Washtenaw County Office of Community and Economic Development is formally soliciting a RFQ (Request For Quotation) for Engineering Services for the CDBG (Community Development Block Grant) Main Street Sidewalk Project within Northfield Charter Township.

The sidewalk infill is along Main Street, linking the existing sidewalk in front of the Westbrook Apartment Complex to the entrance of Whitmore Lake Middle School. The intent of this project is to construct two non-contiguous sections of five-foot wide sidewalk along the east side of Main Street, and addition of one pedestrian crossing at the entrance to the Middle School (see Attachment 1). The areas for sidewalk infill are marked in yellow in Attachment 1.

Public access easements will be secured by Northfield Charter Township to allow the new public sidewalks to be located within an easement dedicated for that purpose.

In addition, engineering design for a number of ADA ramps, and crosswalk striping and infrastructure at the Whitmore Lake Middle School entrance will be necessary, in accordance with Washtenaw County Road Commission (WCRC) requirements.

The provided services include concept and final engineering plans of the proposed sidewalks, permitting, and construction document preparation sufficient for bidding, and construction administration. The contractor will coordinate final design, approvals, and permitting with the Township, the Washtenaw County Road Commission, and the Washtenaw County Office of Community and Economic Development.

Scope of Work:

- Meet with County officials to review sidewalk concept plans, and determine final details and scope of the project.
- Provide a Boundary and Topographic Survey of the entire length of the proposed sidewalk for detailed design and approvals.
- Coordinate with WCRC to determine design requirements for the Whitmore Lake Middle School pedestrian crossing, including the design of the pedestrian signal portion, the sidewalk/ADA ramp details and boundary and topographic survey information.
- Meet with necessary agencies to confirm final approval process.
- Prepare 90% design drawings for agency review and approval.
- Provide legal easement sketches of the potential two or three areas requiring easement acquisition.

- Prepare final design drawings and assist in obtaining final construction permits.
- Prepare construction specifications and bidding documents for final review and approval, including incorporation of any language required by CDBG funding.
- Prepare a detailed construction cost estimate and sufficient number of bidding sets.
- Assist with bidding process.
- Assist with contractor selection and construction engineering.

Additional Items

- Any required studies, including but not limited to, Traffic, geotechnical, natural features, archeological, historical, wetlands, and environmental.
- Existing utility relocations.

Assumptions

Deed, title commitment and all other legal documentation of property ownership will be provided to the contractor by Northfield Charter Township.

Any project related fees for plan submittals, reviews, permitting; escrows, etc. will be paid by the contractor.

Please provide a not-to-exceed Time and Materials budget with the quotation. Please provide hourly rates of all individuals that will perform work under the requested scope.

Please submit your quotation via e-mail to: Stephen Wade, wades@ewashtenaw.org indicating your agreement with the applicable terms and conditions that follow.

If you have questions, please contact: Stephen Wade, 734-544-3056. Otherwise, please respond by or before March 26, 2015

WASHTENAW COUNTY TERMS & CONDITIONS

1. **Any proposed amendments or changes to this RFQ must be in writing and submitted to (or generated by) the Washtenaw County Purchasing Division.**
2. **The acceptance of this does not in any way make Washtenaw County a party to any infringement or damage suites. Such suits shall be borne by the Vendor.**
3. **Washtenaw County is exempt from Federal Excise and Michigan Sales Taxes.**
4. **Payment term shall be FOB Destination net 30 days unless otherwise specified.**
5. **Non-Discrimination Clause – in the performance of any contract or purchase Order resulting herefrom, the bidder agrees not to discriminate against any employee with respect to his or her hire, tenure, terms, conditions or privileges of employment, or any matter directly or indirectly related to employment, because of his or her race, color, creed, sec, religion, national origin, ancestry, age, marital status, veteran status, sexual preference, physical handicap, height, weight or political belief.**

By responding to the next page you are agreeing to the above Washtenaw County terms & conditions.

REQUEST FOR QUOTE

Date: _____

Price Valid for _____ Days

Company Name/Address/Phone/URL:

Prepared for:

SALESPERSON	JOB NAME	SHIPPING METHOD	SHIPPING TERMS	DELIVERY DATE	PAYMENT TERMS

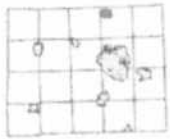
QTY	ITEM #	DESCRIPTION	UNIT PRICE	LINE TOTAL

Subtotal	
Installation	
Freight/ Shipping	
Sales Tax	----------
TOTAL	

Signed by: _____

Date: _____

Northfield Township Survey Area



Legend

- Police Stations
- Fire Stations
- County Buildings
- Local Unit Offices
- Schools
- Close_OneWayDec
  - 1
  - 2
- Close_Roads
  - All Other Roads
  - Unknown
  - Alley/Driveway, 0; Al
  - Primary Roads
  - Ramps
  - Highways
- Parks
- Interest
  - College/University
  - Golf Course
  - Hospital

THIS MAP REPRESENTS PARCELS ATTHE TIME OF PRINTING. THE OFFICIAL PARCEL TAX MAPS ARE MAINTAINED SOLELY BY THE WASHTENAW COUNTY EQUALIZATION DEPARTMENT AND CAN BE OBTAINED BY CONTACTING THAT OFFICE AT 734-222-6662.

The information contained in this cadastral map is used to locate, identify and inventory parcels of land in Washtenaw County for appraisal and taxing purposes only and is not to be construed as a "survey description". The information is provided with the understanding that the conclusions drawn from such information are solely the responsibility of the user. Any assumption of legal status of this data is hereby disclaimed.

NOTE: Parcels may not be to scale.

9/25/2013

0 613.64 1,227.3 Feet

1: 7,364

© 2013 Washtenaw County

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

THIS MAP IS NOT TO BE USED FOR NAVIGATION

Notes

Red Area = Survey Area
Blue Line = Existing Sidewalk
Yellow Line = Proposed Sidewalk

Howard Fink

From: Howard Fink [finkh@twp.northfield.mi.us]
Sent: Thursday, March 05, 2015 4:07 PM
To: 'Stephen Wade'
Subject: RE: Washtenaw County Request for Quotations (RFQ) RFQ for Northfield Towship CDBG Sidewalk Infill on Main Street

Stephen,
It was great to meet this afternoon. I enjoyed touring you around Whitmore Lake.
Howard

Howard Fink
Northfield Township Manager
8350 Main St., Ste. A
Whitmore Lake, MI 48189
Phone: (734) 449-2880 x 12
Fax: (734) 449-0123

From: Stephen Wade [mailto:wades@ewashtenaw.org]
Sent: Thursday, March 05, 2015 1:03 PM
Subject: Washtenaw County Request for Quotations (RFQ) RFQ for Northfield Towship CDBG Sidewalk Infill on Main Street

Hello,

The Washtenaw County Office of Community and Economic Development (OCED)is formally soliciting a RFQ (Request For Quotation) for Engineering Services for the CDBG (Community Development Block Grant) Main Street Sidewalk Project within Northfield Charter Township.

Please see the attachments. Submit your quotation via e-mail to: Stephen Wade, wades@ewashtenaw.org indicating your agreement with the applicable terms and conditions that follow.

If you have questions, please contact: Stephen Wade, 734-544-3056. Otherwise, please respond by or before March 26, 2015.

Thanks,
Stephen Wade

Stephen Wade, MUP, Management Analyst
Washtenaw County Office of Community & Economic Development
wades@ewashtenaw.org
(734) 544-3056
415 W. Michigan Ave
Ypsilanti, MI 48197
www.ewashtenaw.org/urbancounty

Watch the Washtenaw Sustainable Communities video

Howard Fink

From: Stephen Wade [wades@ewashtenaw.org]
Sent: Friday, March 13, 2015 8:55 AM
Subject: RE: Washtenaw County Request for Quotations (RFQ) for Northfield Township CDBG Sidewalk Infill on Main Street
Attachments: 2015 Service Contract FEDERAL FUNDS.doc; FAQ for Northfield CDBG sidewalk.docx

Hello,

Here is more information regarding the Washtenaw County Request for Quotations (RFQ) for Northfield Township CDBG Sidewalk Infill on Main Street.

Please see two attachments.

- FAQ based on questions received thus far.
- Contract template that selected contractor will be expected to sign.

Thanks,
Stephen Wade

Stephen Wade, MUP, Management Analyst
Washtenaw County Office of Community & Economic Development
wades@ewashtenaw.org
(734) 544-3056
415 W. Michigan Ave
Ypsilanti, MI 48197
www.ewashtenaw.org/urbancounty

Watch the Washtenaw Sustainable Communities video

From: Stephen Wade
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Please see the attachments. Submit your quotation via e-mail to: Stephen Wade, wades@ewashtenaw.org indicating your agreement with the applicable terms and conditions that follow.

If you have questions, please contact: Stephen Wade, 734-544-3056. Otherwise, please respond by or before March 26, 2015.

Thanks,

SERVICE CONTRACT - FEDERAL FUNDED **CR_____**

AGREEMENT is made this ----------_day of ---------- , 2015, by the COUNTY OF WASHTENAW, a municipal corporation, with offices located in the County Administration Building, 220 North Main Street, Ann Arbor, Michigan 48107("County") and ***(NAME OF CONTRACTOR)*** located at ***(CONTRACTOR'S ADDRESS)*** ("Contractor").

Federal Awarding Agency	
Federal / State Contract Number	
Federal Program Title	
CFDA Number	
Federal Funding %	

In consideration of the promises below, the parties mutually agree as follows:

ARTICLE I - SCOPE OF SERVICES

The Contractor will ***(SPELL OUT SCOPE OF SERVICE)***

ARTICLE II - COMPENSATION

Upon completion of the above services and submission of invoices the County will pay the Contractor an amount not to exceed ***(SPELL OUT DOLLAR AMOUNT)*** in accordance with specifications described in RFP # _____.

ARTICLE III - REPORTING OF CONTRACTOR

Section 1 - The Contractor is to report to ***(DEPARTMENT HEAD TITLE)*** and will cooperate and confer with him/her as necessary to insure satisfactory work progress.

Section 2 - All reports, estimates, memoranda and documents submitted by the Contractor must be dated and bear the Contractor's name.

Section 3 - All reports made in connection with these services are subject to review and final approval by the County Administrator.

Section 4 - The County may review and inspect the Contractor's activities during the term of this contract.

Section 5 - When applicable, the Contractor will submit a final, written report to the County Administrator.

Section 6 - After reasonable notice to the Contractor, the County may review any of the Contractor's internal records, reports, or insurance policies.

ARTICLE IV - TERM

This contract begins on ***(MONTH, DAY, YEAR)*** and ends on ***(MONTH, DAY, YEAR)***, *with an option to extend an additional _____ year(s).*

ARTICLE V - PERSONNEL

Section 1 - The contractor will provide the required services and will not subcontract or assign the services without the County's written approval.

Section 2 - The Contractor will not hire any County employee for any of the required services without the County's written approval.

Section 3 - The parties agree that all work done under this contract shall be completed in the United States and that none of the work will be partially or fully completed by either an offshore subcontractor or offshore business interest either owned or affiliated with the contractor. For purposes of this contract, the term, "offshore" refers to any area outside the contiguous United States, Alaska or Hawaii.

ARTICLE VI - INDEPENDENT CONTRACTOR

Contractor and the County shall, at all times, be deemed to be independent contractors and nothing herein shall be construed to create or imply that there exists between the parties a partnership, joint venture or other business organization. Contractor shall hold no authority, express or implied, to commit, obligate or make representations on behalf of the County and shall make no representation to others to the contrary.

Nothing herein is intended nor shall be construed for any purpose as creating the relationship of employer and employee or agent and principal between the parties. Except as otherwise specified in this contract, Contractor retains the sole right and obligation to direct, control or supervise the details and means by which the services under this contract are provided.

Contractor shall not be eligible for, or participate in, any insurance, pension, workers' compensation insurance, profit sharing or other plans established for the benefit of the County's employees. Contractor shall be solely responsible for payment of all taxes arising out of the Contractor's activities in connection with this Agreement, including, without limitation, federal and state income taxes, social security taxes, unemployment insurance taxes and any other tax or business license fees as required. The County shall not be responsible for withholding any income or employment taxes whatsoever on behalf of the Contractor.

ARTICLE VII - INDEMNIFICATION AGREEMENT

The contractor will protect, defend and indemnify Washtenaw County, its officers, agents, servants, volunteers and employees from any and all liabilities, claims, liens, fines, demands and costs, including legal fees, of whatsoever kind and nature which may result in injury or death to any persons, including the Contractor's own employees, and for loss or damage to any property, including property owned or in the care, custody or control of Washtenaw County in connection with or in any way incident to or arising out of the occupancy, use, service, operations, performance or non-performance of work in connection with this contract resulting in whole or in part from negligent acts or omissions of contractor, any sub-contractor, or any employee, agent or representative of the contractor or any sub-contractor.

ARTICLE VIII - INSURANCE REQUIREMENTS

The Contractor will maintain at its own expense during the term of this Contract, the following insurance:

1. Workers' Compensation Insurance with Michigan statutory limits and Employers Liability Insurance with a minimum limit of $100,000 each accident for any employee.

2. Commercial General Liability Insurance with a combined single limit of $1,000,000 each occurrence for bodily injury and property damage. The County shall be added as "additional insured" on general liability policy with respect to the services provided under this contract.

3. Automobile Liability Insurance covering all owned, hired and nonowned vehicles with Personal Protection Insurance and Property Protection Insurance to comply with the provisions of the Michigan No Fault Insurance Law, including residual liability insurance with a minimum combined single limit of $1,000,000 each accident for bodily injury and property damage.

Insurance companies, named insureds and policy forms may be subject to the approval of the Washtenaw County Administrator, if requested by the County Administrator. Such approval shall not be unreasonably withheld. Insurance policies shall not contain endorsements or policy conditions which reduce coverage provided to Washtenaw County. Contractor shall be responsible to Washtenaw County or insurance companies insuring Washtenaw County for all costs resulting from both financially unsound insurance companies selected by Contractor and their inadequate insurance coverage. Contractor shall furnish the Washtenaw County Administrator with satisfactory certificates of insurance or a certified copy of the policy, if requested by the County Administrator.

No payments will be made to the Contractor until the current certificates of insurance have been received and approved by the Administrator. If the insurance as evidenced by the certificates furnished by the Contractor expires or is canceled during the term of the contract, services and related payments will be suspended. Contractor shall furnish the County Administrator's Office with certification of insurance evidencing such coverage and endorsements at least ten (10) working days prior to commencement of services under this contract. Certificates shall be addressed to the Washtenaw County c/o: ***INSERT DEPARTMENT & CR#_____, Street Address,*** P. O. Box 8645, Ann Arbor, MI, 48107, and shall provide for written notice to the Certificate holder of cancellation of coverage.

ARTICLE IX - COMPLIANCE WITH LAWS AND REGULATIONS

The Contractor will comply with all federal, state and local regulations, including but not limited to all applicable OSHA/MIOSHA requirements and the Americans with Disabilities Act.

ARTICLE X - INTEREST OF CONTRACTOR AND COUNTY

The Contractor promises that it has no interest which would conflict with the performance of services required by this contract. The Contractor also promises that, in the performance of this contract, no officer, agent, employee of the County of Washtenaw, or member of its governing bodies, may participate in any decision relating to this contract which affects his/her personal interest or the interest of any corporation, partnership or association in which he/she is directly or indirectly interested or has any personal or pecuniary interest.

However, this paragraph does not apply if there has been compliance with the provisions of Section 3 of Act No. 317 of the Public Acts of 1968 and/or Section 30 of Act No. 156 of Public Acts of 1851, as amended by Act No. 51 of the Public Acts of 1978, whichever is applicable.

ARTICLE XI - CONTINGENT FEES

The Contractor promises that it has not employed or retained any company or person, other than bona fide employees working solely for the Contractor, to solicit or secure this contract, and that it has not paid or agreed to pay any company or person, other than bona fide employees working solely for the Contractor, any fee, commission, percentage, brokerage fee, gifts or any other consideration contingent upon or resulting from the award or making of this contract. For breach of this promise, the County may cancel this contract without liability or, at its discretion, deduct the full amount of the fee, commission, percentage, brokerage fee, gift or contingent fee from the compensation due the Contractor.

ARTICLE XII – DEBARMENT AND SUSPENSION

By signing this Contract, Contractor assures the County that it will comply with Federal Regulation 45 CFR Part 76 and certifies that to the best of its knowledge and belief the Contractor and any subcontractors retained by Contractor:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any federal department or contractor;

2. Have not within a three-year period preceding this Contract been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property;

3. Are not presently indicted or otherwise criminally or civilly charged by a government entity (federal, state or local) with commission of any of the offenses enumerated in section 2, and ;

4. Have not within a three-year period preceding this Contract had one or more public transactions (federal, state or local) terminated for cause or default.

ARTICLE XIII – LOBBYING

By signing this contract, Contractor assures the County that it will comply with Section 1352, Title 31 of the U.S. Code (pertaining to not using federal monies to influence federal contracting and financial transactions). The Contractor assures the County that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the Contractor, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the making of any Federal grant, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal grant or cooperative agreement;

2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal grant or cooperative agreement, the Contractor shall complete and submit Standard Form - LLL, Disclosure of Lobbying Activities," in accordance with its instructions;

3. This language shall be included in the award documents for all subawards at all tiers (including subgrants, contracts under grants and cooperative agreements, and subcontracts) and that all sub-recipients shall certify and disclose accordingly.

ARTICLE XIV - DRUG-FREE WORKPLACE

Grantees Other Than Individuals

A. As required by the Drug-Free Workplace Act of 1988, the Contractor assures the County that it will or will continue to provide a drug-free workplace by:
   a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
   b) Establishing an on-going drug-free awareness program to inform employees about—
      1) The dangers of drug abuse in the workplace;
      2) The grantee's policy of maintaining a drug-free workplace;
      3) Any available drug counseling, rehabilitation, *and* employee assistance programs; and
      4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
   c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);
   d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will—
      1) Abide by the terms of the statement; and
      2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;
   e) Notifying the County, in writing, within 10 calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to the County;
   f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted—
      1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
      2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;
   g) Making a good faith effort to continue to maintain a drug- free workplace through implementation of paragraphs (a), (b), (c), (d), (e), and (f).

Grantees Who Are Individuals

As required by the Drug-Free Workplace Act of 1988:

A. As a condition of the grant, the Contractor assures the County that it will not engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in conducting any activity with the grant; and

B. If convicted of a criminal drug offense resulting from a violation occurring during the conduct of any grant activity, the Contractor agrees to report the conviction, in writing, within 10 calendar days of the conviction, to the County.

ARTICLE XV - FEDERAL PROCUREMENT STANDARDS

The Contractor assures the County that it will follow federal procurement standards as described in the Code of Federal Regulations Part 215 Subpart C – Post-Award Requirements, Procurement Standards, Sections 215.40-48 when procuring goods or services with federal funds to insure that procurement decisions are made ethically and with free and open competition among those providing the goods or services.

ARTICLE XVI - EQUAL EMPLOYMENT OPPORTUNITY

The Contractor will not discriminate against any employee or applicant for employment because of race, creed, color, sex, sexual orientation, national origin, physical handicap, age, height, weight, marital status, veteran status, religion and political belief (except as it relates to a bona fide occupational qualification reasonably necessary to the normal operation of the business).

The Contractor will take affirmative action to eliminate discrimination based on sex, race, or a handicap in the hiring of applicant and the treatment of employees. Affirmative action will include, but not be limited to: Employment; upgrading, demotion or transfer; recruitment advertisement; layoff or termination; rates of pay or other forms of compensation; selection for training, including apprenticeship.

The Contractor agrees to post notices containing this policy against discrimination in conspicuous places available to applicants for employment and employees. All solicitations or advertisements for employees, placed by or on the behalf of the Contractor, will state that all qualified applicants will receive consideration for employment without regard to race, creed, color, sex, sexual orientation, national origin, physical handicap, age, height, weight, marital status, veteran status, religion and political belief.

ARTICLE XVII - LIVING WAGE

The parties understand that the County has enacted a Living Wage Ordinance that requires covered vendors who execute a service or professional service contract with the County to pay their employees under that contract, a minimum of either $11.81 per hour with benefits or $13.85 per hour without benefits. Contractor agrees to comply with this Ordinance in paying its employees. Contractor understands and agrees that an adjustment of the living wage amounts, based upon the Health and Human Services poverty guidelines, will be made on or before April 30, 2015 and annually thereafter which amount shall be automatically incorporated into this contract. County agrees to give Contractor thirty (30) days written notice of such change. Contractor agrees to post a notice containing the County's Living Wage requirements at a location at its place of business accessed by its employees.

ARTICLE XVIII - EQUAL ACCESS

The Contractor shall provide the services set forth in Article I without discrimination on the basis of race, color, religion, national origin, sex, sexual orientation, marital status, physical handicap, or age.

ARTICLE XIX - OWNERSHIP OF DOCUMENTS AND PUBLICATION

All documents developed as a result of this contract will be freely available to the public. None may be copyrighted by the Contractor. During the performance of the services, the Contractor will be responsible for any loss of or damage to the documents while they are in its possession and must restore the loss or damage at its expense. Any use of the information and results of this contract by the Contractor must reference the project sponsorship by the County. Any publication of the information or results must be co-authored by the County.

ARTICLE XX - ASSIGNS AND SUCCESSORS

This contract is binding on the County and the Contractor, their successors and assigns. Neither the County nor the Contractor will assign or transfer its interest in this contract without the written consent of the other.

ARTICLE XXI - TERMINATION OF CONTRACT

Section 1 - Termination without cause. Either party may terminate the contract by giving thirty (30) days written notice to the other party.

Section 2 - In the event of any breach or default by the County or the Contractor of the terms and conditions of this Agreement, the party not in default will give written notice to the party in default specifying the acts and/or omissions constituting the alleged default or breach; if within fifteen (15) working days after issuance of such notice, the party in default has failed to cure such default, then in that event, the party not in default may terminate this Agreement and exercise such other rights as are provided herein and by law for breach of contract; provided, however, that if the alleged default can be cured by the performance of work or repairs or by some act, the performance of which requires a period of time, such default will be determined to have been cured if, within the above-referenced fifteen (15) working days, the party allegedly in default has begun to cure the default and continues until such default is cured within a reasonable time.

ARTICLE XXII - PAYROLL TAXES

The Contractor is responsible for all applicable state and federal social security benefits and unemployment taxes and agrees to indemnify and protect the County against such liability.

ARTICLE XXIII- PRACTICE AND ETHICS

The parties will conform to the code of ethics of their respective national professional associations.

ARTICLE XXIV- CHANGES IN SCOPE OR SCHEDULE OF SERVICES

Changes mutually agreed upon by the County and the Contractor, will be incorporated into this contract by written amendments signed by both parties.

ARTICLE XXV - CHOICE OF LAW AND FORUM

This contract is to be interpreted by the laws of Michigan. The parties agree that the proper forum for litigation arising out of this contract is in Washtenaw County, Michigan.

ARTICLE XXVI-FEDERALLY REQUIRED PROVISIONS

When applicable, the following provisions shall apply to contracts funded in whole, or in part, by federal award monies:

For "federally assisted construction contracts" as defined by 41 CFR Part 60-1.3, Contractor must comply with the equal opportunity clause provided under 41 CFR 60—1.4(b), in accordance with Executive Order 11246, "Equal Employment Opportunity (30 FR 12319, 12935, 3 CFR Part, 1964—1965 Comp., p. 339), as amended by Executive Order 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and implementing regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor."

For all prime construction contracts exceeding $2,000.00 awarded by non-Federal entities, Contractor shall comply with the Davis-Bacon Act (40 U.S.C. 3141—3144, and 3146—3148), as supplemented by Department of Labor regulations (29 CFR Part 5, "Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction"). Contractor must pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, Contractor must be paid wages not less than once a week. The parties agree that the County will report all suspected or reported violations of this provision to the Federal awarding agency.

In addition, Contractor must also comply with the Copeland "Anti-Kickback Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Bidding or Public Work Financed in Whole or in Part by Loans or Grants from the United States") which prohibits Contractor or Subrecipient from inducing, by any means, any person employed in the construction, completion or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. County shall report all suspected or reported violations to the Federal awarding agency.

If this contract exceeds $100,000.00 and involves the employment of mechanics or laborers, Contractor shall comply with U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). To that extent, Contractor must compute the wages of each mechanic and laborer on the basis of a standard forty (40) hour work week with hours exceeding this standard to be paid at one and one half the standard hourly rate. In addition, Contractor agrees that no mechanic or laborer shall be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous.

If the Federal award funding this Agreement meets the definition of "funding agreement" under 37 CFR, Sec. 401.2(a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental or research work under that funding agreement, the recipient or subrecipient must comply with 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency.

If this Agreement and/or subgrant exceeds $150,000.00, Contractor shall comply with all applicable standards, orders and/or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387).

The parties agree that the County shall report all violations of these Acts to the Federal awarding agency and the Regional Office of the Environmental Protection Agency ("EPA").

Contractor agrees to comply with all mandatory standards and policies relating to energy efficiency which are contained in the State of Michigan's energy conservation plan issued in compliance with the Energy Policy and Conservation Act. (42 U.S.C. 6201).

Contractor agrees to comply with the provisions of the Byrd Anti-Lobbying Amendment (31 U.S.C. Section 1352), which prohibits the use of federal funds by the Contractor or subcontractor of a Federal contract, grant, loan or cooperative agreement to pay any person to influence or attempt to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress or an employee of a member of Congress in connection with the federal funds awarded under this Agreement.

The parties agree that County and Contractor shall comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include, for those items where the purchase price exceeds $10,000.00 or the value of the quantity acquired by the preceding fiscal year exceeded $10,000.00, procuring only items designated in guidelines of the EPA at 40 CFR, Part 247, that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program to procuring recovered materials identified in the EPA guidelines.

ARTICLE XXVII - EXTENT OF CONTRACT

This contract represents the entire agreement between the parties and supersedes all prior representations, negotiations or agreements whether written or oral.

ATTESTED TO:

By:_----------

Lawrence Kestenbaum (DATE)
County Clerk/Register

WASHTENAW COUNTY

Verna J. McDaniel (DATE)
County Administrator

APPROVED AS TO CONTENT:

By:_----------

(DEPARTMENT HEAD) (DATE)

CONTRACTOR

(CONTRACTOR'S NAME) (DATE)

APPROVED AS TO FORM:

By:_----------

Curtis N. Hedger (DATE)
Office of Corporation Counsel

March 13, 2015

1. Why does the survey area include the whole property back to the railroad? And – to put the crosswalk in, we'll need survey on the west side of the road as well.
    a. The original attachment was titled "Northfield Township Survey Area". A door-to-door income survey was previously completed to ensure CDBG eligibility. The "Survey Area" from that map was for the income survey, not for sidewalk surveying purposes.
2. In order to minimize easement acquisition, could we build the crosswalk over Main Street on the southern edge of the school's property and then build the rest of the sidewalk on the west side of the road, up to the existing walk?
    a. It is expected that the selected contractor would recommend the best location for the crosswalk over Main Street. That recommendation would be based on a number of factors, including easement costs, pedestrian safety, traffic flow, etc.
3. Does the CDBG require that we bid the project through MDOT, similar to safe routes to school grant?
    a. Washtenaw County will bid out this work for construction in the summer in conjunction with Northfield Township and the Washtenaw County Road Commission. As this is a WCRC road, MDOT will not be involved.

Howard Fink

From: Stephen Wade [wades@ewashtenaw.org]
Sent: Wednesday, March 25, 2015 7:48 AM
To: Nathan Voght; Howard Fink
Subject: Fwd: CDBG Main Street Sidewalk Project Within Northfield Charter Township
Attachments: FinalSubmittal.pdf; ATT00001.htm

First quotation received.

Sent from my iPhone

Begin forwarded message:

> **From:** "O'Rourke, Patrick" <Patrick.ORourke@stantec.com>
> **Date:** March 24, 2015 at 5:00:43 PM EDT
> **To:** "wades@ewashtenaw.org" <wades@ewashtenaw.org>
> **Subject: CDBG Main Street Sidewalk Project Within Northfield Charter Township**
>
> Mr. Wade,
> Attached please find our proposal for the above referenced project. Please do not hesitate to call if you have questions, and we thank you for the opportunity to propose on this project.
>
> Regards,
>
> Patrick O'Rourke
> Environmental Services
> Stantec
> 3754 Ranchero Drive Ann Arbor MI 48108-2771
> Phone: (734) 761-1010
> Cell: (734) 353-9804
> Patrick.ORourke@stantec.com
>
>
>
> The content of this email is the confidential property of Stantec and should not be copied, modified, retransmitted, or used for any purpose except with Stantec's written authorization. If you are not the intended recipient, please delete all copies and notify us immediately.

Please consider the environment before printing this email.

Stantec Consulting Michigan Inc.
3754 Ranchero Drive, Ann Arbor MI 48108-2771

March 25, 2015
File: 207599000

Attention: Mr. Stephen Wade
Washtenaw County
Office of Community and Economic Development
415 W. Michigan Avenue
Ypsilanti, Michigan 48197

Dear Mr. Wade,

Reference: CDBG Main Street Sidewalk Project within Northfield Charter Township

Pursuant to your request, Stantec Consulting Michigan Inc. (Stantec) is pleased to submit this proposal to provide Engineering Services for the CDBG Main Street Sidewalk Project within Northfield Charter Township. The intent of this project is to construct two non-contiguous sections of five foot wide sidewalk along the east side of Main Street, linking the Westbrook Apartment Complex to the entrance of Whitmore Lake Middle School and in addition, one pedestrian crossing at the entrance to the Middle School.

In addition, work shall include the design for a number of ADA ramps and crosswalk striping and infrastructure at the Whitmore Lake Middle School entrance in accordance with Washtenaw County Road Commission (WCRC) requirements.

Stantec will coordinate Final Design, Approvals, and Permitting with the Township, the Washtenaw County Road Commission (WCRC), and the Washtenaw County Office of Community and Economic Development.

SCOPE OF WORK

The following Tasks consist of the proposed scope of work included in this proposal:

1. Meet with County officials to review sidewalk concept plans and determine final details and scope of the project.

2. Provide a Boundary and Topographic Survey of the entire length of proposed sidewalk for detailed design and approvals. (Title work provided by others.)

3. Coordinate with WCRC to determine design requirements for the Whitmore Lake Middle School pedestrian crossing, including the design of the signal portion, the sidewalk/ ADA ramp details, and boundary and topographic survey information.

4. Meet with agencies to confirm the final approval process.

5. Prepare 90% design drawings for agency review and approval.

Reference: CDBG Main Street Sidewalk Project within Northfield Charter Township

6. Provide legal easement sketches of the potential two or three areas requiring easement acquisition.

7. Prepare final design drawings and assist in obtaining final construction permits.

8. Prepare construction specifications and bidding documents for final review and approval, including any language required by CDBG funding.

9. Prepare a detailed construction cost estimate and sufficient number of bidding sets.

10. Assist with bidding process.

11. Assist with contractor selection and construction administration (allowance).

12. Any project related fees for plan submittals, reviews, permitting, escrows, etc., will be paid for by Stantec (allowance).

ADDITIONAL ITEMS

The following is a list of possible future items for your consideration, but are not included in our proposal:

1. Any Studies including but not limited to Traffic, Geotechnical, Natural Features, Archeological, Historical, Wetlands, and Environmental.

ASSUMPTIONS

The following is a list of assumptions used in preparation of this proposal:

1. Deed, title commitment and all other legal documentation of property ownership will be provided to Stantec by the Township.

2. Coordinate only any existing utility relocations necessary.

3. Agree to Washtenaw County RFQ provided Terms and Conditions.

BUDGET

We recommend establishing a Time and Materials Not-to-Exceed budget of $22,500.00 to complete the proposed scope of work. Our fee breakdown is provided by Task as shown on the Request For Quote attached to this proposal. In addition, we have included an hourly rate sheet as requested.

Reference: CDBG Main Street Sidewalk Project within Northfield Charter Township

We sincerely appreciate the opportunity to provide our proposal to Washtenaw County, and look forward to assisting you with these improvements. If you should have any questions, please feel free to contact us.

Sincerely,

STANTEC CONSULTING MICHIGAN INC.

Patrick W. O'Rourke

Patrick O'Rourke
Environmental Services
Phone: (734) 214-1863
Fax: (734) 761-1200
patrick.orourke@stantec.com

STANTEC CONSULTING MICHIGAN INC.

Mark D. Pascoe, PE, LEED®AP, ENV SP
Senior Associate
Phone: (734) 214-1865
Fax: (734) 761-1200
mark.pascoe@stantec.com

Attachment: Request For Quote
2015 Fee Schedule

ACKNOWLEDGED AND ACCEPTED:

WASHTENAW COUNTY

_____

Name of Signer:
Title of Signer:

_____, 2015

REQUEST FOR QUOTE

Date: March 25, 2015

Price Valid for 90 Days

Company Name/Address/Phone/URL:

Stantec Consulting Michigan, Inc.
3754 Ranchero Drive
Ann Arbor, Mi 48108
734-761-1010

Prepared for:
Washtenaw County
Office of Community & Economic Dev.
415 W. Michigan Ave.
Ypsilanti, Mi 48197
Attention: Mr. Stephen Wade

SALESPERSON	JOB NAME	SHIPPING METHOD	SHIPPING TERMS	DELIVERY DATE	PAYMENT TERMS

QTY	ITEM #	DESCRIPTION	UNIT PRICE	LINE TOTAL
	Tasks 1-9	Design and Approvals		$16,000
	Task 10	Bidding		$2,500
	Task 11	Allownace - Construction Administration		$2,500
	Task 12	Allowance for Miscellaneous Fees		$1,500

Subtotal	$22,500
Installation	
Freight/ Shipping	
Sales Tax	----------
TOTAL	$22,500

Signed by: _____

Date: March 25, 2015

Stantec

2015 Fee Schedule

Title	Hourly Rate	Description
Technician	$55 - $62	• Entry-level position • Works under the supervision of a senior professional • Recent graduate from an appropriate post-secondary program or equivalent • Generally, less than four years experience
Engineering Assistant Construction Technician Environmental Technician	$69 - $83	• Junior-level position • Independently carries out assignments of limited scope using standard procedures, methods and techniques • Assists senior staff in carrying out more advanced procedures • Completed work is reviewed for feasibility and soundness of judgment • Graduate from an appropriate post-secondary program or equivalent • Generally, four years work experience
Senior CADD Technician Project Engineer Designer Senior Engineering Designer	$90 - $103	• Fully qualified professional position • Carries out assignments requiring general familiarity within a broad field of the respective profession • Makes decisions by using a combination of standard methods and techniques • Actively participates in planning to ensure the achievement of objectives • Works independently to interpret information and resolve difficulties • Graduate from an appropriate post-secondary program, with credentials or equivalent • Generally, six years experience
Senior Designer Senior Project Engineer Project Manager	$111- $125	• First level supervisor of first complete level of specialization • Provides applied professional knowledge and initiative in planning and coordinating work programs • Adapts established guidelines as necessary to address unusual issues • Decisions accepted as technically accurate, however may on occasion be reviewed for soundness of judgment • Graduate from an appropriate post-secondary program, with credentials or equivalent • Generally, nine years experience
Senior Project Manager Associate Registered Surveyor	$132 - $145	• Highly-specialized technical professional or supervisor of groups of professionals • Provides multidiscipline knowledge to deliver innovative solutions in related field of expertise • Participates in short and long range planning to ensure the achievement of objectives • Makes responsible decisions on all matters, including policy recommendations, work methods, and financial controls associated with large expenditures • Reviews and evaluates technical work • Graduate from an appropriate post-secondary program, with credentials or equivalent • Generally, ten years experience with extensive, broad experience
Principal	$169 - $227	• Senior level consultant or management function • Recognized as an authority in a specific field with qualifications of significant value • Provides multidiscipline knowledge to deliver innovative solutions in related field of expertise • Independently conceives programs and problems for investigation • Participates in discussions to ensure the achievement of program and/or project objectives • Makes responsible decisions on expenditures, including large sums or implementation of major programs and/or projects • Graduate from an appropriate post-secondary program, with credentials or equivalent • Generally, fifteen years experience with extensive professional and management experience
Survey Crew	$TBD	2 person crew

Howard Fink

From: Stephen Wade [wades@ewashtenaw.org]
Sent: Wednesday, March 25, 2015 11:13 AM
To: Howard Fink
Subject: Re: CDBG Main Street Sidewalk Project Within Northfield Charter Township

So far. Deadline is tomorrow.

Sent from my iPhone

On Mar 25, 2015, at 10:48 AM, Howard Fink <finkh@twp.northfield.mi.us> wrote:

> Is that the only quote received?
>
> Howard Fink
> Northfield Township Manager
> 8350 Main St., Ste. A
> Whitmore Lake, MI 48189
> Phone: (734) 449-2880 x 12
> Fax: (734) 449-0123
>
> ---
>
> **From:** Stephen Wade [mailto:wades@ewashtenaw.org]
> **Sent:** Wednesday, March 25, 2015 7:48 AM
> **To:** Nathan Voght; Howard Fink
> **Subject:** Fwd: CDBG Main Street Sidewalk Project Within Northfield Charter Township
>
> First quotation received.
>
> Sent from my iPhone
>
> Begin forwarded message:
>
> > **From:** "O'Rourke, Patrick" <Patrick.ORourke@stantec.com>
> > **Date:** March 24, 2015 at 5:00:43 PM EDT
> > **To:** "wades@ewashtenaw.org" <wades@ewashtenaw.org>
> > **Subject: CDBG Main Street Sidewalk Project Within Northfield Charter Township**
> >
> > Mr. Wade,
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> >
> > Regards,
> >
> > Patrick O'Rourke
> > Environmental Services
> > Stantec
> > 3754 Ranchero Drive Ann Arbor MI 48108-2771
> > Phone: (734) 761-1010
> > Cell: (734) 353-9804
> > Patrick.ORourke@stantec.com

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Please consider the environment before printing this email.

Howard Fink

From: Howard Fink [finkh@twp.northfield.mi.us]
Sent: Wednesday, March 25, 2015 11:46 AM
To: 'Stephen Wade'
Subject: RE: CDBG Main Street Sidewalk Project Within Northfield Charter Township

Can you call ohm and see if they are applying.
howard

Howard Fink
Northfield Township Manager
8350 Main St., Ste. A
Whitmore Lake, MI 48189
Phone: (734) 449-2880 x 12
Fax: (734) 449-0123

From: Stephen Wade [mailto:wades@ewashtenaw.org]
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To: Howard Fink
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> > **From:** "O'Rourke, Patrick" <Patrick.ORourke@stantec.com>
> > **Date:** March 24, 2015 at 5:00:43 PM EDT
> > **To:** "wades@ewashtenaw.org" <wades@ewashtenaw.org>

Subject: CDBG Main Street Sidewalk Project Within Northfield Charter Township

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Regards,

Patrick O'Rourke
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Stantec
3754 Ranchero Drive Ann Arbor MI 48108-2771
Phone: (734) 761-1010
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Patrick.ORourke@stantec.com

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Howard Fink

From: Howard Fink [finkh@twp.northfield.mi.us]
Sent: Wednesday, March 25, 2015 10:50 AM
To: 'Stephen Wade'
Subject: RE: CDBG Main Street Sidewalk Project Within Northfield Charter Township

Is that the only quote received?

Howard Fink
Northfield Township Manager
8350 Main St., Ste. A
Whitmore Lake, MI 48189
Phone: (734) 449-2880 x 12
Fax: (734) 449-0123

From: Stephen Wade [mailto:wades@ewashtenaw.org]
Sent: Wednesday, March 25, 2015 7:48 AM
To: Nathan Voght; Howard Fink
Subject: Fwd: CDBG Main Street Sidewalk Project Within Northfield Charter Township

First quotation received.

Sent from my iPhone

Begin forwarded message:

> **From:** "O'Rourke, Patrick" <Patrick.ORourke@stantec.com>
> **Date:** March 24, 2015 at 5:00:43 PM EDT
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Howard Fink

From: Stephen Wade [wades@ewashtenaw.org]
Sent: Wednesday, March 25, 2015 12:02 PM
To: Howard Fink
Subject: Re: CDBG Main Street Sidewalk Project Within Northfield Charter Township

Yeah

Sent from my iPhone

On Mar 25, 2015, at 11:44 AM, Howard Fink <finkh@twp.northfield.mi.us> wrote:

> Can you call ohm and see if they are applying.
> howard
>
> Howard Fink
> Northfield Township Manager
> 8350 Main St., Ste. A
> Whitmore Lake, MI 48189
> Phone: (734) 449-2880 x 12
> Fax: (734) 449-0123
>
> ---
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> > Whitmore Lake, MI 48189
> > Phone: (734) 449-2880 x 12
> > Fax: (734) 449-0123
> >
> > ---
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> > **From:** Stephen Wade [mailto:wades@ewashtenaw.org]
> > **Sent:** Wednesday, March 25, 2015 7:48 AM
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> > **Subject:** Fwd: CDBG Main Street Sidewalk Project Within Northfield Charter Township
> >
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> >
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Date: March 24, 2015 at 5:00:43 PM EDT
To: "wades@ewashtenaw.org" <wades@ewashtenaw.org>
Subject: CDBG Main Street Sidewalk Project Within Northfield Charter Township

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Regards,

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Environmental Services
Stantec
3754 Ranchero Drive Ann Arbor MI 48108-2771
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Patrick.ORourke@stantec.com

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Please consider the environment before printing this email.

Howard Fink

From: Stephen Wade [wades@ewashtenaw.org]
Sent: Thursday, March 26, 2015 2:04 PM
To: Nathan Voght; Howard Fink; MacDonell, Matt
Subject: FW: RFQ 2015 CDBG Main St Northfield Twp - OHM Proposal
Attachments: 2015 CDBG Proposal OHM Advisors.pdf; 2015_Rates_Schedule_Public.pdf

Another quote.

Stephen Wade, MUP, Management Analyst
Washtenaw County Office of Community & Economic Development
wades@ewashtenaw.org
(734) 544-3056
415 W. Michigan Ave
Ypsilanti, MI 48197
www.ewashtenaw.org/urbancounty

Watch the Washtenaw Sustainable Communities video

From: Rushlow, Jacob [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Thursday, March 26, 2015 2:02 PM
To: Stephen Wade
Subject: RFQ 2015 CDBG Main St Northfield Twp - OHM Proposal

Mr. Wade,

Thank you for this opportunity to work with Washtenaw County. Please find our attached proposal for the 2015 CDBG Sidewalk Project along with our 2015 Hourly Rate Schedule. We are in agreement with the applicable terms and conditions listed in the RFQ dated March 5, 2015. Please let me know if you have any questions regarding this proposal.

Best Regards,

JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

T 734.522.6711
F 734.522.6427
D 734.466.4517
M 734.812.7154

Advancing Communities

ohm-advisors.com | Facebook | Twitter | LinkedIn

ARCHITECTS. ENGINEERS. PLANNERS.

OHM Advancing Communities

March 26, 2015

Washtenaw County
Office of Community and Economic Development
415 W. Michigan Ave, 2nd Floor
Ypsilanti, Michigan 48197

Attention: Mr. Stephen Wade
Management Analyst

Subject: Main Street Sidewalk Project, Northfield Township

Dear Mr. Wade:

OHM Advisors is pleased to submit this proposal to design sidewalk along Main Street, linking the existing sidewalk at the Westbrook Apartment Complex with the entrance to Whitmore Lake Middle School. Since 2003, we have worked closely with the Township of Northfield as their consulting engineer, and are very familiar with the community. Completing these sidewalk gaps will greatly improve pedestrian walkability and increase safety within the Main Street corridor. We have prepared the project understanding and scope, outlined below, based on both our discussions with the Township and the RFQ dated March 5, 2015.

PROJECT UNDERSTANDING

The project consists of completing two non-contiguous sections of five-foot wide sidewalk along the east side of Main Street, and the inclusion of one new pedestrian crossing at the Middle School entrance. OHM Advisors understands that coordination with the Township, Washtenaw County Road Commission, and the Washtenaw County Office of Community and Economic Development will be required to obtain the necessary easements and permits to complete this project.

As the Township's consulting engineer, we have experience working within the Township limits, as well as working with Washtenaw County. OHM Advisors reviews all site plans on behalf of the Township, and we understand the importance of obtaining the necessary permits to complete various types of projects.

OHM Advisors has reviewed the project and visited the corridor, and we offer the following approach and project scopes to accomplish the goals of the Township.

ASSUMPTIONS/CLARIFICATIONS

OHM Advisors proposes to:

- Develop a preliminary concept geometric design and alignment for the proposed sidewalk.
- Meet with County officials and the Township to review sidewalk concept plans, and to determine final details and scope of the project.
- Provide a Boundary and Topographic Survey for the entire length of the proposed sidewalk for detailed design and approvals.
- Coordinate with Washtenaw County Road Commission for the Main Street pedestrian crossing requirements, including sidewalk ramps, cross walk, and signage. Based on our experience with these types

OHM Advisors
34000 PLYMOUTH ROAD
LIVONIA, MICHIGAN 48150
T 734.522.6711
F 734.522.6427
OHM-Advisors.com

of mid-block crossings, we do not anticipate the need for a pedestrian signal and have not included signal work in our proposal.
- Develop the construction drawings and specifications needed for the project.
- Meet with necessary agencies to confirm final approval process.
- Prepare 90% design drawings for agency review and approval.
- Provide legal easement sketches of the potential two or three areas requiring easement acquisition.
- Prepare final design drawings and assist in obtaining final construction permits.
- Prepare construction specifications and bidding documents for final review and approval, including incorporation of language required by CDBG funding.
- Prepare a detailed construction cost estimate and sufficient number of bidding sets.
- Compile the complete bid package, advertise for bids, and recommend a Contractor to the County.

SCOPE OF SERVICES

Task 1 – Preliminary Concept

OHM Advisors will prepare a preliminary conceptual design schematic and make recommendations based on a field review of the existing conditions. OHM Advisors will coordinate a meeting with County officials and the Township to help determine the optimal sidewalk route and location of Main Street crossing. OHM Advisors will then develop a preliminary design plan and meet with the County officials in the field to discuss the proposed design. This meeting will allow our team to collect feedback on areas where alterations may be necessary. Once a preliminary concept has been finalized and preliminary geotechnical investigation has been performed, OHM Advisors will submit a conceptual plan on an aerial image for Township review and approval.

Task 2 – Topographic Survey

Topographic Survey work will be completed upon approval of the preliminary concept plan. Tasks to be accomplished include:

- **Control:** Establish vertical and horizontal control.
- **Right-of-Way:** Verify and obtain property and ROW information, and tie in to project control.
- **Topographic Survey:** Obtain all necessary existing physical features and elevations to provide adequate information for preparing plans.

Task 3 – Utility Coordination

OHM Advisors will notify applicable utility agencies with regards to the proposed project. We will request information regarding the existing utilities within the project limits from all necessary utility companies to be incorporated into the construction drawings. OHM will coordinate with County officials to schedule and hold a utility meeting, if necessary, to resolve any conflicts. If conflicts require relocations of existing utilities, OHM Advisors will coordinate up to one meeting with the utility company involved and the County.

Task 4 – Geotechnical Investigation

OHM Advisors will coordinate with G2 Consulting Group (G2) to provide geotechnical information for this project. It is assumed that we will receive four (4) soil borings to a depth of five (5) feet within the project limits. G2 will provide a report on existing subsurface conditions and provide recommendations for cross sections. Core and boring logs will be included in the bid package.

Task 5 – Develop 90% Plans

OHM Advisors will develop preliminary plans, specifications, and an engineer's opinion of cost. The plans will include a cover sheet, detail sheet, note sheet, legend sheet, removal sheets, typical cross sections, construction plan sheets, detailed grading plan sheets for ADA compliant sidewalk ramps, and a pavement marking and signing sheet. Alignment, geometrics, and proposed elevations will be preliminary and will be used for preparing the preliminary opinion of cost. During this task, OHM Advisors will notify the Township of permanent or temporary

grading easements anticipated to be needed for construction of the project. OHM Advisors will also be prepared to discuss options with the Township and the property owner(s). Two sets of the 90% design drawings will be submitted to the County officials for review. OHM Advisors will meet with the County officials to discuss 90% review comments and design items.

Task 6 – Final Plan Package
After meeting with the County officials, OHM Advisors will further develop plans and specifications integrating the comments received by all parties. OHM Advisors will prepare detailed construction plans at a 1"=40' scale on 22"x34" sheets, as well as updating the engineer's opinion of cost and streamlining the specifications.

Task 7–Bidding
OHM Advisors will compile the Bid Package consisting of construction plans, bid documents, and specifications. The package will be advertised for bidding, and OHM Advisors will address any questions and/or any RFI's received by the bidding contractors during the bid phase. OHM Advisors will hold a bid opening at the Township on the date specified. Bids will be received, read aloud, collected, tabulated, and reviewed. OHM Advisors will write a letter recommending which contractor would best be suited to construct the project.

DELIVERABLES

Task	Deliverable
Task 1	Finalized Conceptual Drawing
Task 5	90% Plans, Specifications, and Engineer's Opinion of Cost
Task 6&7	Final Plans, Bidding Documents, and Letter of Recommendation

ADDITIONAL ASSUMPTIONS AND CLARIFICATIONS

- Any meetings in addition to the meetings outlined in the above scope are not included in the scope of services.
- Construction Services are not included in this scope and can be negotiated once a final design is completed.
- Northfield Township will acquire any easements needed for this project.
- Permit fees are not included and will be paid by the contractor.
- OHM Advisors will provide traffic, natural features, archeological, historical, wetlands, and environmental studies, within the project limits, if necessary.
- Coordinate utility relocation design, within the project limits, if necessary.

FEE

OHM Advisors will invoice the Washtenaw County Office of Community and Economic Development for the above stated services monthly, on an hourly, not-to-exceed basis, in accordance with our 2015 Hourly Rate Schedule.

Design Tasks

Task 1 – Preliminary Concept	$1,500
Task 2 – Design Survey	$3,000
Task 3 – Utility Coordination	$1,000
Task 4 – Geotechnical Investigation	$2,000
Task 5 – 90% Plans and Specs	$6,500
Task 6 – Final Plans and Specs	$2,500
Task 7 – Bidding	$1,500

The total fee is estimated to be **$18,000.00**.

SCHEDULE

OHM Advisors can start this project immediately upon authorization. We anticipate six weeks for the design process, and an additional six weeks for the advertisement, bidding and award. Assuming the design is awarded in April, we would anticipate bidding to occur in late May, with construction proceeding in June. A more detailed schedule will be prepared upon authorization.

ACCEPTANCE

If this proposal is acceptable to you, a signature on the enclosed copy of this letter will serve as our authorization to proceed.

Thank you for giving us the opportunity to present this proposal to you. We look forward to working with you throughout this project.

OHM ADVISORS CONSULTANT		WASHTENAW COUNTY CLIENT
_____	(Signature)	_____
_____	(NAME)	_____
Jacob Rushlow Project Manager	(TITLE)	_____
_____	(Date)	_____

ARCHITECTS. ENGINEERS. PLANNERS.

OHM Advancing Communities

March 26, 2015

Washtenaw County
Office of Community and Economic Development
415 W. Michigan Ave, 2nd Floor
Ypsilanti, Michigan 48197

Attention: Mr. Stephen Wade
Management Analyst

Subject: Main Street Sidewalk Project, Northfield Township

Dear Mr. Wade:

OHM Advisors is pleased to submit this proposal to design sidewalk along Main Street, linking the existing sidewalk at the Westbrook Apartment Complex with the entrance to Whitmore Lake Middle School. Since 2003, we have worked closely with the Township of Northfield as their consulting engineer, and are very familiar with the community. Completing these sidewalk gaps will greatly improve pedestrian walkability and increase safety within the Main Street corridor. We have prepared the project understanding and scope, outlined below, based on both our discussions with the Township and the RFQ dated March 5, 2015.

PROJECT UNDERSTANDING

The project consists of completing two non-contiguous sections of five-foot wide sidewalk along the east side of Main Street, and the inclusion of one new pedestrian crossing at the Middle School entrance. OHM Advisors understands that coordination with the Township, Washtenaw County Road Commission, and the Washtenaw County Office of Community and Economic Development will be required to obtain the necessary easements and permits to complete this project.

As the Township's consulting engineer, we have experience working within the Township limits, as well as working with Washtenaw County. OHM Advisors reviews all site plans on behalf of the Township, and we understand the importance of obtaining the necessary permits to complete various types of projects.

OHM Advisors has reviewed the project and visited the corridor, and we offer the following approach and project scopes to accomplish the goals of the Township.

ASSUMPTIONS/CLARIFICATIONS

OHM Advisors proposes to:

- Develop a preliminary concept geometric design and alignment for the proposed sidewalk.
- Meet with County officials and the Township to review sidewalk concept plans, and to determine final details and scope of the project.
- Provide a Boundary and Topographic Survey for the entire length of the proposed sidewalk for detailed design and approvals.
- Coordinate with Washtenaw County Road Commission for the Main Street pedestrian crossing requirements, including sidewalk ramps, cross walk, and signage. Based on our experience with these types

OHM Advisors
34000 PLYMOUTH ROAD
LIVONIA, MICHIGAN 48150
T 734.522.6711
F 734.522.6427
OHM-Advisors.com

of mid-block crossings, we do not anticipate the need for a pedestrian signal and have not included signal work in our proposal.

- Develop the construction drawings and specifications needed for the project.
- Meet with necessary agencies to confirm final approval process.
- Prepare 90% design drawings for agency review and approval.
- Provide legal easement sketches of the potential two or three areas requiring easement acquisition.
- Prepare final design drawings and assist in obtaining final construction permits.
- Prepare construction specifications and bidding documents for final review and approval, including incorporation of language required by CDBG funding.
- Prepare a detailed construction cost estimate and sufficient number of bidding sets.
- Compile the complete bid package, advertise for bids, and recommend a Contractor to the County.

SCOPE OF SERVICES

Task 1 – Preliminary Concept

OHM Advisors will prepare a preliminary conceptual design schematic and make recommendations based on a field review of the existing conditions. OHM Advisors will coordinate a meeting with County officials and the Township to help determine the optimal sidewalk route and location of Main Street crossing. OHM Advisors will then develop a preliminary design plan and meet with the County officials in the field to discuss the proposed design. This meeting will allow our team to collect feedback on areas where alterations may be necessary. Once a preliminary concept has been finalized and preliminary geotechnical investigation has been performed, OHM Advisors will submit a conceptual plan on an aerial image for Township review and approval.

Task 2 – Topographic Survey

Topographic Survey work will be completed upon approval of the preliminary concept plan. Tasks to be accomplished include:

- **Control:** Establish vertical and horizontal control.
- **Right-of-Way:** Verify and obtain property and ROW information, and tie in to project control.
- **Topographic Survey:** Obtain all necessary existing physical features and elevations to provide adequate information for preparing plans.

Task 3 – Utility Coordination

OHM Advisors will notify applicable utility agencies with regards to the proposed project. We will request information regarding the existing utilities within the project limits from all necessary utility companies to be incorporated into the construction drawings. OHM will coordinate with County officials to schedule and hold a utility meeting, if necessary, to resolve any conflicts. If conflicts require relocations of existing utilities, OHM Advisors will coordinate up to one meeting with the utility company involved and the County.

Task 4 – Geotechnical Investigation

OHM Advisors will coordinate with G2 Consulting Group (G2) to provide geotechnical information for this project. It is assumed that we will receive four (4) soil borings to a depth of five (5) feet within the project limits. G2 will provide a report on existing subsurface conditions and provide recommendations for cross sections. Core and boring logs will be included in the bid package.

Task 5 – Develop 90% Plans

OHM Advisors will develop preliminary plans, specifications, and an engineer's opinion of cost. The plans will include a cover sheet, detail sheet, note sheet, legend sheet, removal sheets, typical cross sections, construction plan sheets, detailed grading plan sheets for ADA compliant sidewalk ramps, and a pavement marking and signing sheet. Alignment, geometrics, and proposed elevations will be preliminary and will be used for preparing the preliminary opinion of cost. During this task, OHM Advisors will notify the Township of permanent or temporary

grading easements anticipated to be needed for construction of the project. OHM Advisors will also be prepared to discuss options with the Township and the property owner(s). Two sets of the 90% design drawings will be submitted to the County officials for review. OHM Advisors will meet with the County officials to discuss 90% review comments and design items.

Task 6 – Final Plan Package
After meeting with the County officials, OHM Advisors will further develop plans and specifications integrating the comments received by all parties. OHM Advisors will prepare detailed construction plans at a 1"=40' scale on 22"x34" sheets, as well as updating the engineer's opinion of cost and streamlining the specifications.

Task 7–Bidding
OHM Advisors will compile the Bid Package consisting of construction plans, bid documents, and specifications. The package will be advertised for bidding, and OHM Advisors will address any questions and/or any RFI's received by the bidding contractors during the bid phase. OHM Advisors will hold a bid opening at the Township on the date specified. Bids will be received, read aloud, collected, tabulated, and reviewed. OHM Advisors will write a letter recommending which contractor would best be suited to construct the project.

DELIVERABLES

Task	Deliverable
Task 1	Finalized Conceptual Drawing
Task 5	90% Plans, Specifications, and Engineer's Opinion of Cost
Task 6&7	Final Plans, Bidding Documents, and Letter of Recommendation

ADDITIONAL ASSUMPTIONS AND CLARIFICATIONS

- Any meetings in addition to the meetings outlined in the above scope are not included in the scope of services.
- Construction Services are not included in this scope and can be negotiated once a final design is completed.
- Northfield Township will acquire any easements needed for this project.
- Permit fees are not included and will be paid by the contractor.
- OHM Advisors will provide traffic, natural features, archeological, historical, wetlands, and environmental studies, within the project limits, if necessary.
- Coordinate utility relocation design, within the project limits, if necessary.

FEE

OHM Advisors will invoice the Washtenaw County Office of Community and Economic Development for the above stated services monthly, on an hourly, not-to-exceed basis, in accordance with our 2015 Hourly Rate Schedule.

Design Tasks

Task 1 – Preliminary Concept	$1,500
Task 2 – Design Survey	$3,000
Task 3 – Utility Coordination	$1,000
Task 4 – Geotechnical Investigation	$2,000
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The total fee is estimated to be **$18,000.00**.

SCHEDULE

OHM Advisors can start this project immediately upon authorization. We anticipate six weeks for the design process, and an additional six weeks for the advertisement, bidding and award. Assuming the design is awarded in April, we would anticipate bidding to occur in late May, with construction proceeding in June. A more detailed schedule will be prepared upon authorization.

ACCEPTANCE

If this proposal is acceptable to you, a signature on the enclosed copy of this letter will serve as our authorization to proceed.

Thank you for giving us the opportunity to present this proposal to you. We look forward to working with you throughout this project.

OHM ADVISORS CONSULTANT		WASHTENAW COUNTY CLIENT
_____	(Signature)	_____
_____	(NAME)	_____
Jacob Rushlow Project Manager	(TITLE)	_____
_____	(Date)	_____

ARCHITECTS. ENGINEERS. PLANNERS.

OHM Advancing Communities

2015 HOURLY RATES SCHEDULE

Professional Engineer IV/Architect IV	$	155.00
Professional Engineer III/Architect III	$	135.00
Professional Engineer II/Architect II	$	125.00
Professional Engineer I/Architect I	$	112.00
Graduate Engineer III	$	115.00
Graduate Engineer II	$	108.00
Graduate Engineer I	$	100.00
Graduate Architect III/Landscape Architect III	$	108.00
Graduate Architect II/Landscape Architect II	$	88.00
Graduate Architect I/Landscape Architect I	$	78.00
Technician IV	$	110.00
Technician III	$	100.00
Technician II	$	87.00
Technician I	$	66.00
Engineering/Architectural Aide	$	52.00
Professional Surveyor III	$	140.00
Professional Surveyor II	$	125.00
Professional Surveyor I	$	110.00
Graduate Surveyor	$	100.00
Surveyor III	$	97.00
Surveyor II	$	90.00
Surveyor I	$	70.00
Surveyor Aide	$	52.00
Planner IV	$	135.00
Planner III	$	120.00
Planner II	$	100.00
Planner I	$	70.00
Planner Aide	$	52.00
Graphic Designer	$	100.00
Data Base Developer	$	175.00
IT Technician III	$	160.00
IT Technician II	$	140.00
IT Technician I	$	85.00
Administrative Support	$	55.00
Clerical Aide	$	45.00
Principal	$	180.00
Senior Associate	$	170.00
Associate	$	160.00
3-Man Survey Crew w/Equipment (Per Hr)	$	230.00
2-Man Survey Crew w/Equipment (Per Hr)	$	200.00
1-Man Survey w/Robotic Equipment (Per Hr)	$	160.00

Howard Fink

From: Stephen Wade [wades@ewashtenaw.org]
Sent: Thursday, March 26, 2015 3:41 PM
To: Howard Fink; Nathan Voght; MacDonell, Matt
Subject: FW: RFQ-CDBG Main Street Sidewalk Project with the Northfield Charter Township
Attachments: MCI response for Northfield Twp RFQ.pdf

A third response. I will review these in the next couple of days and get back to you with initial thoughts.

Stephen Wade, MUP, Management Analyst
Washtenaw County Office of Community & Economic Development
wades@ewashtenaw.org
(734) 544-3056
415 W. Michigan Ave
Ypsilanti, MI 48197
www.ewashtenaw.org/urbancounty

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From: Sue Dickinson [mailto:SCD@MIDWESTERNCONSULTING.COM]
Sent: Thursday, March 26, 2015 3:28 PM
To: Stephen Wade
Subject: RFQ-CDBG Main Street Sidewalk Project with the Northfield Charter Township

Stephen:

Please find attached our proposal. Please call my cell phone if you have any questions as I will be out of the office tomorrow and next week. Thank you for this opportunity.

Sue

Susan C. Dickinson, P.E., CFM
Midwestern Consulting, LLC
3815 Plaza Drive
Ann Arbor, MI 48108
(734)995-0200 ext 221
Direct (734)332-5320
Cell (734)904-2665
midwesternconsulting.com

MIDWESTERN CONSULTING

Civil, Environmental and
Transportation Engineers
Planners, Surveyors,
Landscape Architects

3815 Plaza Drive
Ann Arbor, Michigan 48108
734.995.0200 Phone
734.995.0599 Fax

March 26, 2015

Washtenaw County Office of
Community and Economic Development
415 West Michigan Ave, 2nd Floor
Ypsilanti, MI 48197

Attn: Mr. Stephen Wade

Re: RFQ for CDBG Main Street Sidewalk Project
With the Northfield Charter Township

Dear Mr. Wade:

Midwestern Consulting is pleased to submit this proposal. We work with many municipalities providing pedestrian access and understand how important this connection will be to the Westbrook Apartment Complex being able to access the Whitmore Lake Middle School. Recently we have permitted through the Washtenaw County Road Commission three midblock crosswalks, two for the City of Chelsea on Old US-12 and one on Shield Road with the City of Dexter.

I will be the project manager for this project. I will be responsible for working with County officials, the Washtenaw County Road Commission, and others to plan, design and manage the construction of this project. Our proposal includes all the services outlined in your Request for Qualifications, dated March 5, 2015.

The personnel and associated hourly rates for our firm are as follows:

Sue Dickinson, Sr. Project Engineer:	$143/hour
Scott Fisher, P.E., Project Engineer:	$126/hour
Ahmad Hoballah, Engineer:	$108/hour
Pat Hastings, Project Surveyor:	$126/hour
1-Man Survey Crew:	$123/hour
Andre Torres, Construction Observation:	$88/hour

Please find attached your Request for Quote form. We feel very confident that our team will exceed the expectations of Northfield Township with this project as we have an exceptional track record of providing the highest quality service in a cost-effective manner.

Please contact me with any questions or comments and I would be happy to discuss them with you. Thank you for this opportunity.

Sincerely,
MIDWESTERN CONSULTING, LLC

Susan C Dickinson

Susan C. Dickinson, P.E., CFM
Senior Associate and Project Manager

REQUEST FOR QUOTE

Date: March 26, 2015

Price Valid for 120 Days

Company Name/Address/Phone/URL:

Midwestern Consulting, LLC
3815 Plaza Drive
Ann Arbor, MI 48108
(734)995-0200

Prepared for:
CDBG Main Street Sidewalk Project with the Northfield Charter Township

SALESPERSON	JOB NAME	SHIPPING METHOD	SHIPPING TERMS	DELIVERY DATE	PAYMENT TERMS
Susan C. Dickinson, P.E.					NTE T&M

QTY	ITEM #	DESCRIPTION	UNIT PRICE	LINE TOTAL
1	1	Field Work for Boundary and Topo Survey	$2,460	$2,460
1	2	Draft Topo, 3 Easements, Topo Check	$2,770	$2,770
1	3	Design, Meetings, Cost Estimate, Plans, Technical Specifications, Permits	$12,500	$12,500
1	4	Bidding Assistance, Recommendation of Award, Construction Engineering	$7,200	$7,200

Subtotal	$24,930
Installation	----------
Freight/ Shipping	----------
Sales Tax	----------
TOTAL	$24,930

Signed by: Susan C. Dickinson

Date: March 26, 2015

Howard Fink

From: Stephen Wade [wades@ewashtenaw.org]
Sent: Friday, March 27, 2015 12:03 PM
To: Howard Fink; MacDonell, Matt
Cc: Brett Lenart; Terry Brinkman
Subject: Northfield Township CDBG sidewalk - Contractor recommendation
Attachments: Northfield Twp CDBG RFQ Bid Tab 3-27-15.xlsx

Hello Howard, Matt,

We received three responses to our RFQ. See the attached bid tabulation. Staff recommends that we contract with OHM since they had the lowest bid.

Please respond to this email with any questions and confirming that you support us contracting with OHM.

Once we have your approval, we will set up a contract with OHM and then schedule a meeting for us to discuss the work.

Thanks,
Stephen

Stephen Wade, MUP, Management Analyst
Washtenaw County Office of Community & Economic Development
wades@ewashtenaw.org
(734) 544-3056
415 W. Michigan Ave
Ypsilanti, MI 48197
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Northfield Township CDBG Sidewalk Infill RFQ Bids for Design Engineering Services

Initial Request for Quote Released 3/5/15

Bids Received after Initial RFQ Release:

Name	Date Received	Bid Amount	Terms	Notes
Stantec, Patrick O'Rourke	3/24/15 5:00 p.m.	22,500.00	Time and Materials not to exceed	Includes Construction Administration
Midwestern Consulting, Sue Dickinson	3/26/15 at 3:28 pm.	24,930.00	Time and Materials not to exceed	Includes Construction Engineering
OHM, Jacob Rushlow	3/26/15 at 2:02 p.m.	18,000.00	Hourly, not to exceed	Northfield Township's Engineering Consultant

Howard Fink

From: Stephen Wade [wades@ewashtenaw.org]
Sent: Wednesday, April 08, 2015 11:15 AM
To: 'jacob.rushlow@ohm-advisors.com'; Howard Fink; MacDonell, Matt
Subject: Northfield Township Main St CDBG Sidewalk Engineering Design contract

Hello Jacob,

I received the signed contract from you today. Once we get it executed over here in the next week or so, we can set up a meeting with the Township and Road Commission to discuss the work.

Thanks,
Stephen

Stephen Wade, MUP, Management Analyst
Washtenaw County Office of Community & Economic Development
wades@ewashtenaw.org
(734) 544-3056
415 W. Michigan Ave
Ypsilanti, MI 48197
www.ewashtenaw.org/urbancounty

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Howard Fink

From: Rushlow, Jacob [jacob.rushlow@ohm-advisors.com]
Sent: Wednesday, April 08, 2015 1:04 PM
To: Stephen Wade; Howard Fink; MacDonell, Matt
Subject: RE: Northfield Township Main St CDBG Sidewalk Engineering Design contract

Hi Stephen. Thank you for the notice. Once the document has been executed let me know and we can coordinate a date & time to meet.

Jacob

From: Stephen Wade [mailto:wades@ewashtenaw.org]
Sent: Wednesday, April 08, 2015 11:15 AM
To: Rushlow, Jacob; Howard Fink; MacDonell, Matt
Subject: Northfield Township Main St CDBG Sidewalk Engineering Design contract

Hello Jacob,

I received the signed contract from you today. Once we get it executed over here in the next week or so, we can set up a meeting with the Township and Road Commission to discuss the work.

Thanks,
Stephen

Stephen Wade, MUP, Management Analyst
Washtenaw County Office of Community & Economic Development
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(734) 544-3056
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Ypsilanti, MI 48197
www.ewashtenaw.org/urbancounty

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Howard Fink

From: Stephen Wade [wades@ewashtenaw.org]
Sent: Wednesday, April 22, 2015 11:08 AM
To: Nathan Voght; Terry Brinkman; Rushlow, Jacob (jacob.rushlow@ohm-advisors.com); MacDonell, Matt; Howard Fink; Jennifer Carlisle
Subject: Northfield Township CDBG sidewalk engineering - first meeting
Attachments: Northfield Township CDBG Sidewalk engineering contract.tiff

Hello Howard,

Here is the signed contract for engineering services for the CDBG sidewalk. Can you send me two or three times that you are available in the next couple of weeks for a kick off meeting with OHM and WCRC?

Thanks,
Stephen

Stephen Wade, MUP, Management Analyst
Washtenaw County Office of Community & Economic Development
wades@ewashtenaw.org
(734) 544-3056
415 W. Michigan Ave
Ypsilanti, MI 48197
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SERVICE CONTRACT - FEDERAL FUNDED CR 44687

AGREEMENT is made this twenty seventh day of March 2015, by the COUNTY OF WASHTENAW, a municipal corporation, with offices located in the County Administration Building, 220 North Main Street, Ann Arbor, Michigan 48107("County") and Orchard, Hiltz, and McCliment, Inc located at 34000 Plymouth Road, Livonia, MI 48150 ("Contractor")

Federal Awarding Agency	Housing and Urban Development (HUD)
Federal / State Contract Number	B-14-UC-26-006
Federal Program Title	Community Development Block Grant (CDBG) Funding
CFDA Number	14 218
Federal Funding %	100%

In consideration of the promises below, the parties mutually agree as follows

ARTICLE I - SCOPE OF SERVICES

The Contractor will provide sidewalk design, permit coordination, ADA ramp and crossing design, construction drawings and specifications, legal easement sketches, detailed construction cost estimate, and construction procurement assistance, and other services, as outlined in the Contractor's proposal dated March 26, 2015

ARTICLE II - COMPENSATION

Upon submission of monthly invoices the County will pay the Contractor for any and all undisputed charges within 45 days The total amount is not to exceed eighteen thousand dollars ($18,000)

ARTICLE III - REPORTING OF CONTRACTOR

Section 1 - The Contractor is to report to Stephen Wade and will cooperate and confer with him/her as necessary to insure satisfactory work progress

Section 2 - All reports, estimates, memoranda and documents submitted by the Contractor must be dated and bear the Contractor's name

Section 3 - All reports made in connection with these services are subject to review and final approval by the County Administrator

Section 4 - The County may review and inspect the Contractor's activities during the term of this contract

Section 5 - When applicable, the Contractor will submit a final, written report to the County Administrator

Section 6 - After reasonable notice to the Contractor, the County may review any of the Contractor's internal records, reports, or insurance policies

ARTICLE IV - TERM

This contract begins on March 27, 2015 and ends on May 1, 2016, with an option to extend an additional one year

ARTICLE V - PERSONNEL

Section 1 - The contractor will provide the required services and will not subcontract or assign the services without the County's written approval

Section 2 - The Contractor will not hire any County employee for any of the required services without the County's written approval.

Section 3 - The parties agree that all work done under this contract shall be completed in the United States and that none of the work will be partially or fully completed by either an offshore subcontractor or offshore business interest either owned or affiliated with the contractor For purposes of this contract, the term, "offshore" refers to any area outside the contiguous United States, Alaska or Hawaii

ARTICLE VI - INDEPENDENT CONTRACTOR

Contractor and the County shall, at all times, be deemed to be independent contractors and nothing herein shall be construed to create or imply that there exists between the parties a partnership, joint venture or other business organization Contractor shall hold no authority, express or implied, to commit, obligate or make representations on behalf of the County and shall make no representation to others to the contrary

Nothing herein is intended nor shall be construed for any purpose as creating the relationship of employer and employee or agent and principal between the parties Except as otherwise specified in this contract, Contractor retains the sole right and obligation to direct, control or supervise the details and means by which the services under this contract are provided

Contractor shall not be eligible for, or participate in, any insurance, pension, workers' compensation insurance, profit sharing or other plans established for the benefit of the County's employees Contractor shall be solely responsible for payment of all taxes arising out of the Contractor's activities in connection with this Agreement, including, without limitation, federal and state income taxes, social security taxes, unemployment insurance taxes and any other tax or business license fees as required The County shall not be responsible for withholding any income or employment taxes whatsoever on behalf of the Contractor

ARTICLE VII - INDEMNIFICATION AGREEMENT

The contractor will protect, defend and indemnify Washtenaw County, its officers, agents, servants, volunteers and employees from any and all liabilities, claims, liens, fines, demands and costs, including legal fees, of whatsoever kind and nature which may result in injury or death to any persons, including the Contractor's own employees, and for loss or damage to any property, including property owned or in the care, custody or control of Washtenaw County to the extent arising out of any negligent, grossly negligent, or intentional acts or omissions of contractor, any sub-contractor, or any employee, agent or representative of the contractor or any sub-contractor

ARTICLE VIII - INSURANCE REQUIREMENTS

The Contractor will maintain at its own expense during the term of this Contract, the following insurance

1 Workers' Compensation Insurance with Michigan statutory limits and Employers Liability Insurance with a minimum limit of $100,000 each accident for any employee

2 Commercial General Liability Insurance with a combined single limit of $1,000,000 each occurrence for bodily injury and property damage The County shall be added as "additional insured" on general liability policy with respect to the services provided under this contract

3. Automobile Liability Insurance covering all owned, hired and nonowned vehicles with Personal Protection Insurance and Property Protection Insurance to comply with the provisions of the Michigan No Fault Insurance Law, including residual liability insurance with a minimum combined single limit of $1,000,000 each accident for bodily injury and property damage

Insurance companies, named insureds and policy forms may be subject to the approval of the Washtenaw County Administrator, if requested by the County Administrator Such approval shall not be unreasonably withheld Insurance policies shall not contain endorsements or policy conditions which reduce coverage provided to Washtenaw County Contractor shall be responsible to Washtenaw County or insurance companies insuring Washtenaw County for all costs resulting from both financially unsound insurance companies selected by Contractor and their inadequate insurance coverage Contractor shall furnish the Washtenaw County Administrator with satisfactory certificates of insurance or a certified copy of the policy, if requested by the County Administrator

No payments will be made to the Contractor until the current certificates of insurance have been received and approved by the Administrator If the insurance as evidenced by the certificates furnished by the Contractor expires or is canceled during the term of the contract, services and related payments will be suspended. Contractor shall furnish the County Administrator's Office with certification of insurance evidencing such coverage and endorsements at least ten (10) working days prior to commencement of services under this contract Certificates shall be addressed to the Washtenaw County c/o Office of Community and Economic Development, 415 W Michigan Ave., P O Box 8645, Ann Arbor, MI, 48107, and shall provide for written notice to the Certificate holder of cancellation of coverage

ARTICLE IX - COMPLIANCE WITH LAWS AND REGULATIONS

The Contractor will comply with all federal, state and local regulations, including but not limited to all applicable OSHA/MIOSHA requirements and the Americans with Disabilities Act

ARTICLE X - INTEREST OF CONTRACTOR AND COUNTY

The Contractor promises that it has no interest which would conflict with the performance of services required by this contract The Contractor also promises that, in the performance of this contract, no officer, agent, employee of the County of Washtenaw, or member of its governing bodies, may participate in any decision relating to this contract which affects his/her personal interest or the interest of any corporation, partnership or association in which he/she is directly or indirectly interested or has any personal or pecuniary interest However, this paragraph does not apply if there has been compliance with the provisions of

Section 3 of Act No 317 of the Public Acts of 1968 and/or Section 30 of Act No 156 of Public Acts of 1851, as amended by Act No 51 of the Public Acts of 1978, whichever is applicable

ARTICLE XI - CONTINGENT FEES

The Contractor promises that it has not employed or retained any company or person, other than bona fide employees working solely for the Contractor, to solicit or secure this contract, and that it has not paid or agreed to pay any company or person, other than bona fide employees working solely for the Contractor, any fee, commission, percentage, brokerage fee, gifts or any other consideration contingent upon or resulting from the award or making of this contract For breach of this promise, the County may cancel this contract without liability or, at its discretion, deduct the full amount of the fee, commission, percentage, brokerage fee, gift or contingent fee from the compensation due the Contractor

ARTICLE XII – DEBARMENT AND SUSPENSION

By signing this Contract, Contractor assures the County that it will comply with Federal Regulation 45 CFR Part 76 and certifies that to the best of its knowledge and belief the Contractor and any subcontractors retained by Contractor

1 Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any federal department or contractor,

2 Have not within a three-year period preceding this Contract been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state or local) transaction or contract under a public transaction, violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property,

3 Are not presently indicted or otherwise criminally or civilly charged by a government entity (federal, state or local) with commission of any of the offenses enumerated in section 2, and ,

4 Have not within a three-year period preceding this Contract had one or more public transactions (federal, state or local) terminated for cause or default

ARTICLE XIII – LOBBYING

By signing this contract, Contractor assures the County that it will comply with Section 1352, Title 31 of the U S Code (pertaining to not using federal monies to influence federal contracting and financial transactions) The Contractor assures the County that

1 No Federal appropriated funds have been paid or will be paid, by or on behalf of the Contractor, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the making of any Federal grant, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal grant or cooperative agreement;

2 If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a

Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal grant or cooperative agreement, the Contractor shall complete and submit Standard Form - LLL, Disclosure of Lobbying Activities," in accordance with its instructions,

3 This language shall be included in the award documents for all subawards at all tiers (including subgrants, contracts under grants and cooperative agreements, and subcontracts) and that all sub-recipients shall certify and disclose accordingly

ARTICLE XIV - DRUG-FREE WORKPLACE

Grantees Other Than Individuals

A As required by the Drug-Free Workplace Act of 1988, the Contractor assures the County that it will or will continue to provide a drug-free workplace by

a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition,

b) Establishing an on-going drug-free awareness program to inform employees about—
   1) The dangers of drug abuse in the workplace,
   2) The grantee's policy of maintaining a drug-free workplace,
   3) Any available drug counseling, rehabilitation, *and* employee assistance programs, and
   4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace,

c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a),

d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will—
   1) Abide by the terms of the statement, and
   2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction,

e) Notifying the County, in writing, within 10 calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction Employers of convicted employees must provide notice, including position title, to the County,

f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted—
   1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended, or
   2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency,

g) Making a good faith effort to continue to maintain a drug- free workplace through implementation of paragraphs (a), (b), (c), (d), (e), and (f)

Grantees Who Are Individuals

As required by the Drug-Free Workplace Act of 1988

A As a condition of the grant, the Contractor assures the County that it will not engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in conducting any activity with the grant, and

B If convicted of a criminal drug offense resulting from a violation occurring during the conduct of any grant activity, the Contractor agrees to report the conviction, in writing, within 10 calendar days of the conviction, to the County

ARTICLE XV - FEDERAL PROCUREMENT STANDARDS

The Contractor assures the County that it will follow federal procurement standards as described in the Code of Federal Regulations Part 215 Subpart C – Post-Award Requirements, Procurement Standards, Sections 215 40-48 when procuring goods or services with federal funds to insure that procurement decisions are made ethically and with free and open competition among those providing the goods or services

ARTICLE XVI - EQUAL EMPLOYMENT OPPORTUNITY

The Contractor will not discriminate against any employee or applicant for employment because of race, creed, color, sex, sexual orientation, national origin, physical handicap, age, height, weight, marital status, veteran status, religion and political belief (except as it relates to a bona fide occupational qualification reasonably necessary to the normal operation of the business)

The Contractor will take affirmative action to eliminate discrimination based on sex, race, or a handicap in the hiring of applicant and the treatment of employees Affirmative action will include, but not be limited to Employment, upgrading, demotion or transfer, recruitment advertisement, layoff or termination, rates of pay or other forms of compensation, selection for training, including apprenticeship

The Contractor agrees to post notices containing this policy against discrimination in conspicuous places available to applicants for employment and employees All solicitations or advertisements for employees, placed by or on the behalf of the Contractor, will state that all qualified applicants will receive consideration for employment without regard to race, creed, color, sex, sexual orientation, national origin, physical handicap, age, height, weight, marital status, veteran status, religion and political belief

ARTICLE XVII - LIVING WAGE

The parties understand that the County has enacted a Living Wage Ordinance that requires covered vendors who execute a service or professional service contract with the County to pay their employees under that contract, a minimum of either $11 81 per hour with benefits or $13 85 per hour without benefits Contractor agrees to comply with this Ordinance in paying its employees Contractor understands and agrees that an adjustment of the living wage amounts, based upon the Health and Human Services poverty guidelines, will be made on or before April 30, 2015 and annually thereafter which amount shall be automatically incorporated into this contract County agrees to give Contractor thirty (30) days written notice of such change Contractor agrees to post a notice containing the County's Living Wage requirements at a location at its place of business accessed by its employees

ARTICLE XVIII - EQUAL ACCESS

The Contractor shall provide the services set forth in Article I without discrimination on the basis of race, color, religion, national origin, sex, sexual orientation, marital status, physical handicap, or age

ARTICLE XIX - OWNERSHIP OF DOCUMENTS AND PUBLICATION

All documents developed as a result of this contract will be freely available to the public None may be copyrighted by the Contractor During the performance of the services, the Contractor will be responsible for any loss of or damage to the documents while they are in its possession and must restore the loss or damage at its expense Any use of the information and results of this contract by the Contractor must reference the project sponsorship by the County Any publication of the information or results must be co-authored by the County

The County acknowledges Contractor's reports, plans and construction documents as instruments of professional services Nevertheless, the plans and specifications prepared under this Agreement shall become the property of the County upon completion of the work and payment in full of all monies due Contractor, however, Contractor shall have the unlimited right to use such drawings, specifications and reports and the intellectual property therein The County shall not reuse or make any modifications to the plans and specifications without prior written authorization by Contractor

ARTICLE XX - ASSIGNS AND SUCCESSORS

This contract is binding on the County and the Contractor, their successors and assigns Neither the County nor the Contractor will assign or transfer its interest in this contract without the written consent of the other

ARTICLE XXI - TERMINATION OF CONTRACT

Section 1 - Termination without cause Either party may terminate the contract by giving thirty (30) days written notice to the other party.

Section 2 - In the event of any breach or default by the County or the Contractor of the terms and conditions of this Agreement, the party not in default will give written notice to the party in default specifying the acts and/or omissions constituting the alleged default or breach, if within fifteen (15) working days after issuance of such notice, the party in default has failed to cure such default, then in that event, the party not in default may terminate this Agreement and exercise such other rights as are provided herein and by law for breach of contract, provided, however, that if the alleged default can be cured by the performance of work or repairs or by some act, the performance of which requires a period of time, such default will be determined to have been cured if, within the above-referenced fifteen (15) working days, the party allegedly in default has begun to cure the default and continues until such default is cured within a reasonable time

ARTICLE XXII - PAYROLL TAXES

The Contractor is responsible for all applicable state and federal social security benefits and unemployment taxes and agrees to indemnify and protect the County against such liability

ARTICLE XXIII- PRACTICE AND ETHICS

The parties will conform to the code of ethics of their respective national professional associations

ARTICLE XXIV- CHANGES IN SCOPE OR SCHEDULE OF SERVICES

Changes mutually agreed upon by the County and the Contractor, will be incorporated into this contract by written amendments signed by both parties

ARTICLE XXV - CHOICE OF LAW AND FORUM

This contract is to be interpreted by the laws of Michigan The parties agree that the proper forum for litigation arising out of this contract is in Washtenaw County, Michigan

ARTICLE XXVI-FEDERALLY REQUIRED PROVISIONS

When applicable, the following provisions shall apply to contracts funded in whole, or in part, by federal award monies

For "federally assisted construction contracts" as defined by 41 CFR Part 60-1 3, Contractor must comply with the equal opportunity clause provided under 41 CFR 60—1 4(b), in accordance with Executive Order 11246, "Equal Employment Opportunity (30 FR 12319, 12935, 3 CFR Part, 1964—1965 Comp , p 339), as amended by Executive Order 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and implementing regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor "

For all prime construction contracts exceeding $2,000 00 awarded by non-Federal entities, Contractor shall comply with the Davis-Bacon Act (40 U S C 3141—3144, and 3146—3148), as supplemented by Department of Labor regulations (29 CFR Part 5, "Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction") Contractor must pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor In addition, Contractor must be paid wages not less than once a week The parties agree that the County will report all suspected or reported violations of this provision to the Federal awarding agency

In addition, Contractor must also comply with the Copeland "Anti-Kickback Act (40 U S.C 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Bidding or Public Work Financed in Whole or in Part by Loans or Grants from the United States") which prohibits Contractor or Subrecipient from inducing, by any means, any person employed in the construction, completion or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled County shall report all suspected or reported violations to the Federal awarding agency

If this contract exceeds $100,000 00 and involves the employment of mechanics or laborers, Contractor shall comply with U S C 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5) To that extent, Contractor must compute the wages of each mechanic and laborer on the basis of a standard forty (40) hour work week with hours exceeding this standard to be paid at one and one half the standard hourly rate In addition, Contractor agrees that no mechanic or laborer shall be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous

If the Federal award funding this Agreement meets the definition of "funding agreement" under 37 CFR, Sec 401 2(a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental or research work under that funding agreement, the recipient or subrecipient must comply with 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency

If this Agreement and/or subgrant exceeds $150,000 00, Contractor shall comply with all applicable standards, orders and/or regulations issued pursuant to the Clean Air Act (42 U S C 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U S C 1251-1387) The parties agree that the County shall report all violations of these Acts to the Federal awarding agency and the Regional Office of the Environmental Protection Agency ("EPA")

Contractor agrees to comply with all mandatory standards and policies relating to energy efficiency which are contained in the State of Michigan's energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U S C 6201)

Contractor agrees to comply with the provisions of the Byrd Anti-Lobbying Amendment (31 U S C Section 1352), which prohibits the use of federal funds by the Contractor or subcontractor of a Federal contract, grant, loan or cooperative agreement to pay any person to influence or attempt to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress or an employee of a member of Congress in connection with the federal funds awarded under this Agreement

The parties agree that County and Contractor shall comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include, for those items where the purchase price exceeds $10,000 00 or the value of the quantity acquired by the preceding fiscal year exceeded $10,000 00, procuring only items designated in guidelines of the EPA at 40 CFR, Part 247, that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program to procuring recovered materials identified in the EPA guidelines

ARTICLE XXVII - EXTENT OF CONTRACT

This contract represents the entire agreement between the parties and supersedes all prior representations, negotiations or agreements whether written or oral

ARTICLE XXVIII – STANDARD OF CARE

In providing services under this Contract, the Contractor shall perform in a manner consistent with that degree of care and skill ordinarily exercised by members at the same time and in the same or similar locality

ARTICLE XXIX – JOB SITE SAFETY

Neither the professional activities of Contractor, nor the presence of Contractor or their employees and Subcontractors at a construction site shall relieve the General Contractor of its obligations, duties, and responsibilities including, but not limited to, construction means, methods, sequences, techniques or procedures necessary for performing, superintending or coordinating all portions of the work of construction in accordance with the contract documents

and the health or safety precautions required by any regulatory agency Contractor has no authority to exercise any control over any construction contractor or any other entity or their employees in connection with their work or any health or safety precautions

ATTESTED TO

By _____

Lawrence Kestenbaum (DATE)
County Clerk/Register

WASHTENAW COUNTY

_____

Verna J McDaniel (DATE)
County Administrator

APPROVED AS TO CONTENT

By _____

Mary Jo Callan (DATE)

CONTRACTOR

_____

Daniel G. Fredendall
Orchard, Hiltz, McCliment, Inc (DATE)

APPROVED AS TO FORM

By _____

Curtis N Hedger (DATE)
Office of Corporation Counsel

ARCHITECTS ENGINEERS PLANNERS

OHM Advancing Communities

March 26, 2015

Washtenaw County
Office of Community and Economic Development
415 W Michigan Ave, 2nd Floor
Ypsilanti, Michigan 48197

Attention Mr Stephen Wade
Management Analyst

Subject Main Street Sidewalk Project, Northfield Township

Dear Mr Wade

OHM Advisors is pleased to submit this proposal to design sidewalk along Main Street, linking the existing sidewalk at the Westbrook Apartment Complex with the entrance to Whitmore Lake Middle School Since 2003, we have worked closely with the Township of Northfield as their consulting engineer, and are very familiar with the community Completing these sidewalk gaps will greatly improve pedestrian walkability and increase safety within the Main Street corridor We have prepared the project understanding and scope, outlined below, based on both our discussions with the Township and the RFQ dated March 5, 2015

PROJECT UNDERSTANDING

The project consists of completing two non-contiguous sections of five-foot wide sidewalk along the east side of Main Street, and the inclusion of one new pedestrian crossing at the Middle School entrance OHM Advisors understands that coordination with the Township, Washtenaw County Road Commission, and the Washtenaw County Office of Community and Economic Development will be required to obtain the necessary easements and permits to complete this project

As the Township's consulting engineer, we have experience working within the Township limits, as well as working with Washtenaw County OHM Advisors reviews all site plans on behalf of the Township, and we understand the importance of obtaining the necessary permits to complete various types of projects

OHM Advisors has reviewed the project and visited the corridor, and we offer the following approach and project scopes to accomplish the goals of the Township

ASSUMPTIONS/CLARIFICATIONS

OHM Advisors proposes to

- Develop a preliminary concept geometric design and alignment for the proposed sidewalk
- Meet with County officials and the Township to review sidewalk concept plans, and to determine final details and scope of the project
- Provide a Boundary and Topographic Survey for the entire length of the proposed sidewalk for detailed design and approvals
- Coordinate with Washtenaw County Road Commission for the Main Street pedestrian crossing requirements, including sidewalk ramps, cross walk, and signage Based on our experience with these types

OHM Advisors
34000 PLYMOUTH ROAD
LIVONIA, MICHIGAN 48150
T 734 522 6711
F 734 522 6427
OHM-Advisors com

of mid-block crossings, we do not anticipate the need for a pedestrian signal and have not included signal work in our proposal

- Develop the construction drawings and specifications needed for the project
- Meet with necessary agencies to confirm final approval process
- Prepare 90% design drawings for agency review and approval
- Provide legal easement sketches of the potential two or three areas requiring easement acquisition
- Prepare final design drawings and assist in obtaining final construction permits
- Prepare construction specifications and bidding documents for final review and approval, including incorporation of language required by CDBG funding
- Prepare a detailed construction cost estimate and sufficient number of bidding sets
- Compile the complete bid package, advertise for bids, and recommend a Contractor to the County

SCOPE OF SERVICES

Task 1 – Preliminary Concept

OHM Advisors will prepare a preliminary conceptual design schematic and make recommendations based on a field review of the existing conditions OHM Advisors will coordinate a meeting with County officials and the Township to help determine the optimal sidewalk route and location of Main Street crossing OHM Advisors will then develop a preliminary design plan and meet with the County officials in the field to discuss the proposed design This meeting will allow our team to collect feedback on areas where alterations may be necessary Once a preliminary concept has been finalized and preliminary geotechnical investigation has been performed, OHM Advisors will submit a conceptual plan on an aerial image for Township review and approval

Task 2 – Topographic Survey

Topographic Survey work will be completed upon approval of the preliminary concept plan Tasks to be accomplished include

- **Control:** Establish vertical and horizontal control
- **Right-of-Way:** Verify and obtain property and ROW information, and tie in to project control
- **Topographic Survey.** Obtain all necessary existing physical features and elevations to provide adequate information for preparing plans

Task 3 – Utility Coordination

OHM Advisors will notify applicable utility agencies with regards to the proposed project We will request information regarding the existing utilities within the project limits from all necessary utility companies to be incorporated into the construction drawings OHM will coordinate with County officials to schedule and hold a utility meeting, if necessary, to resolve any conflicts If conflicts require relocations of existing utilities, OHM Advisors will coordinate up to one meeting with the utility company involved and the County

Task 4 – Geotechnical Investigation

OHM Advisors will coordinate with G2 Consulting Group (G2) to provide geotechnical information for this project It is assumed that we will receive four (4) soil borings to a depth of five (5) feet within the project limits G2 will provide a report on existing subsurface conditions and provide recommendations for cross sections Core and boring logs will be included in the bid package

Task 5 – Develop 90% Plans

OHM Advisors will develop preliminary plans, specifications, and an engineer's opinion of cost The plans will include a cover sheet, detail sheet, note sheet, legend sheet, removal sheets, typical cross sections, construction plan sheets, detailed grading plan sheets for ADA compliant sidewalk ramps, and a pavement marking and signing sheet Alignment, geometrics, and proposed elevations will be preliminary and will be used for preparing the preliminary opinion of cost During this task, OHM Advisors will notify the Township of permanent or temporary

grading easements anticipated to be needed for construction of the project OHM Advisors will also be prepared to discuss options with the Township and the property owner(s) Two sets of the 90% design drawings will be submitted to the County officials for review OHM Advisors will meet with the County officials to discuss 90% review comments and design items

Task 6 – Final Plan Package
After meeting with the County officials, OHM Advisors will further develop plans and specifications integrating the comments received by all parties OHM Advisors will prepare detailed construction plans at a 1"=40' scale on 22"x34" sheets, as well as updating the engineer's opinion of cost and streamlining the specifications

Task 7–Bidding
OHM Advisors will compile the Bid Package consisting of construction plans, bid documents, and specifications The package will be advertised for bidding, and OHM Advisors will address any questions and/or any RFI's received by the bidding contractors during the bid phase OHM Advisors will hold a bid opening at the Township on the date specified Bids will be received, read aloud, collected, tabulated, and reviewed OHM Advisors will write a letter recommending which contractor would best be suited to construct the project

DELIVERABLES

Task	Deliverable
Task 1	Finalized Conceptual Drawing
Task 5	90% Plans, Specifications, and Engineer's Opinion of Cost
Task 6&7	Final Plans, Bidding Documents, and Letter of Recommendation

ADDITIONAL ASSUMPTIONS AND CLARIFICATIONS

- Any meetings in addition to the meetings outlined in the above scope are not included in the scope of services
- Construction Services are not included in this scope and can be negotiated once a final design is completed
- Northfield Township will acquire any easements needed for this project
- Permit fees are not included and will be paid by the contractor
- OHM Advisors will provide traffic, natural features, archeological, historical, wetlands, and environmental studies, within the project limits, if necessary
- Coordinate utility relocation design, within the project limits, if necessary

FEE
OHM Advisors will invoice the Washtenaw County Office of Community and Economic Development for the above stated services monthly, on an hourly, not-to-exceed basis, in accordance with our 2015 Hourly Rate Schedule

Design Tasks

Task 1 – Preliminary Concept	$1,500
Task 2 – Design Survey	$3,000
Task 3 – Utility Coordination	$1,000
Task 4 – Geotechnical Investigation	$2,000
Task 5 – 90% Plans and Specs	$6,500
Task 6 – Final Plans and Specs	$2,500
Task 7 – Bidding	$1,500

The total fee is estimated to be **$18,000.00**

SCHEDULE

OHM Advisors can start this project immediately upon authorization We anticipate six weeks for the design process, and an additional six weeks for the advertisement, bidding and award Assuming the design is awarded in April, we would anticipate bidding to occur in late May, with construction proceeding in June A more detailed schedule will be prepared upon authorization

ACCEPTANCE

If this proposal is acceptable to you, a signature on the enclosed copy of this letter will serve as our authorization to proceed

Thank you for giving us the opportunity to present this proposal to you We look forward to working with you throughout this project

OHM ADVISORS CONSULTANT		WASHTENAW COUNTY CLIENT
_____	(Signature)	_____
_____	(NAME)	_____
Jacob Rushlow Project Manager	(TITLE)	_____
_____	(Date)	_____

Howard Fink

From: Jennifer Carlisle [Carlislej@twp.northfield.mi.us]
Sent: Wednesday, April 22, 2015 11:38 AM
To: 'Stephen Wade'; 'Nathan Voght'; 'Terry Brinkman'; 'Rushlow, Jacob'; 'MacDonell, Matt'; 'Howard Fink'
Subject: RE: Northfield Township CDBG sidewalk engineering - first meeting

Next week Howard is open Monday, Thursday & Friday. The following week looks completely open at this time.

Thanks,
Jennifer Carlisle
Asst. to Northfield Twp. Mgr.
734-449-2880 ext. 18
carlislej@twp.northfield.mi.us

From: Stephen Wade [mailto:wades@ewashtenaw.org]
Sent: Wednesday, April 22, 2015 11:08 AM
To: Nathan Voght; Terry Brinkman; Rushlow, Jacob (jacob.rushlow@ohm-advisors.com); MacDonell, Matt; Howard Fink; Jennifer Carlisle
Subject: Northfield Township CDBG sidewalk engineering - first meeting

Hello Howard,

Here is the signed contract for engineering services for the CDBG sidewalk. Can you send me two or three times that you are available in the next couple of weeks for a kick off meeting with OHM and WCRC?

Thanks,
Stephen

Stephen Wade, MUP, Management Analyst
Washtenaw County Office of Community & Economic Development
wades@ewashtenaw.org
(734) 544-3056
415 W. Michigan Ave
Ypsilanti, MI 48197
www.ewashtenaw.org/urbancounty

Watch the Washtenaw Sustainable Communities video

Howard Fink

From: Jennifer Carlisle [Carlislej@twp.northfield.mi.us]
Sent: Thursday, April 23, 2015 8:03 AM
To: 'Howard Fink'
Subject: RE: Northfield Township CDBG sidewalk engineering - first meeting

Already done

From: Howard Fink [mailto:finkh@twp.northfield.mi.us]
Sent: Wednesday, April 22, 2015 4:53 PM
To: Jennifer Carlisle
Subject: FW: Northfield Township CDBG sidewalk engineering - first meeting

Can you set something up

Howard Fink
Northfield Township Manager
8350 Main St., Ste. A
Whitmore Lake, MI 48189
Phone: (734) 449-2880 x 12
Fax: (734) 449-0123

From: Stephen Wade [mailto:wades@ewashtenaw.org]
Sent: Wednesday, April 22, 2015 11:08 AM
To: Nathan Voght; Terry Brinkman; Rushlow, Jacob (jacob.rushlow@ohm-advisors.com); MacDonell, Matt; Howard Fink; Jennifer Carlisle
Subject: Northfield Township CDBG sidewalk engineering - first meeting

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Thanks,
Stephen

Stephen Wade, MUP, Management Analyst
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Ypsilanti, MI 48197
www.ewashtenaw.org/urbancounty

Watch the Washtenaw Sustainable Communities video

Howard Fink

From: Stephen Wade [wades@ewashtenaw.org]
Sent: Tuesday, June 02, 2015 3:32 PM
To: MacDonell, Matt; Howard Fink
Cc: Terry Brinkman; Nathan Voght
Subject: FW: Northfield Township sidewalk
Attachments: Main St Sidewalk Milestone Schedule 2015-06-01.pdf

FYI.

Stephen Wade, MUP, Management Analyst
Washtenaw County Office of Community & Economic Development
wades@ewashtenaw.org
(734) 544-3056
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Ypsilanti, MI 48197
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From: Rushlow, Jacob [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, June 02, 2015 3:23 PM
To: Stephen Wade
Cc: Nathan Voght
Subject: RE: Northfield Township sidewalk

Hi Stephen. Hope all is well with you and your family. Exciting times when adding more! Enjoy the time off! I will coordinate with Nathan and am providing a quick update here.

We completed the topographic field survey and have prepared the base plans showing existing conditions. I have prepared a draft project design schedule with detailed milestone dates (attached). I do have a few questions for you regarding the bidding phase so we should chat once you've had a chance to look over the schedule. Feel free to call or e-mail me with any questions.

JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

T 734.522.6711
F 734.522.6427
D 734.466.4517
C 734.812.7154

Advancing Communities

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From: Stephen Wade [mailto:wades@ewashtenaw.org]
Sent: Wednesday, May 27, 2015 2:29 PM
To: Rushlow, Jacob
Cc: Nathan Voght
Subject: Northfield Township sidewalk

Hello Jacob,

I am going to be heading off for a month of paternity leave sometime in the next week or two. My wife is due to have a boy on Sunday.

Please send Northfield Township sidewalk communication to Nathan Voght (cc'd).

When do you think you will have Task 1 – Finalized Conceptual Drawing completed?

Thanks,
Stephen

Stephen Wade, MUP, Management Analyst
Washtenaw County Office of Community & Economic Development
wades@ewashtenaw.org
(734) 544-3056
415 W. Michigan Ave
Ypsilanti, MI 48197
www.ewashtenaw.org/urbancounty

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Washtenaw County
Main Street Sidewalk
Milestone Schedule for Design

Updated: June 1, 2015

Task Description	Completion Date
Preliminary Design Phase	
Topographic Survey	5/15/2015
Base Plans (Existing Conditions)	5/29/2015
Preliminary Design Plans (30%) & Preliminary Estimate	6/12/2015
Submit to Client for Review	6/12/2015
Meeting with Client to Review Preliminary Design	6/17/2015
Address Client Comments	6/19/2015
Detailed Design Plans Complete (90%)	7/6/2015
Preliminary Project Manual	7/6/2015
Update Preliminary Estimate	7/6/2015
QAQC (90%)	7/8/2015
Address QAQC Comments (90%)	7/10/2015
Submit to Client for Review	7/10/2015
Meeting with Client to Review Preliminary Design	7/15/2015
Address Client Comments	7/17/2015
Final Design Phase	
Final Design Plans, Project Manual & Estimate (100%)	7/22/2015
Final QAQC	7/24/2015
Address Final QAQC Comments	7/27/2015
Final Plan and Project Manual Preparation	**7/28/2015**
Bidding and Award	
Bid Advertisement	
Plans Available for Pickup	
Bid Opening	
Recommendation for Award	
Notice of Award	
Execute Contracts	
Notice to Proceed / Pre-construction Meeting	
Construction Start	

Howard Fink

From: Rushlow, Jacob [jacob.rushlow@ohm-advisors.com]
Sent: Friday, June 12, 2015 1:19 PM
To: Nathan Voght; Stephen Wade
Cc: Howard Fink; 'MacDonell, Matt'; Smith, Bryan
Subject: RE: Northfield Township sidewalk

Hi Nathan. We are preparing a 30% plan submittal today and should have that sent out fairly soon. I am out of the office so the submittal will be coming from Bryan Smith who is one of my design engineers working on the project. I would like to meet with you and the Road Commission next week to go over the alignment layout and discuss any needed revisions. Tuesday between 9:00 AM and 12:00 PM or Thursday anytime between 9:00 AM and 4:00 PM would work best for my schedule. Let me know what is best for you. Thanks!

Jacob

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Friday, June 12, 2015 10:23 AM
To: Rushlow, Jacob; Stephen Wade
Subject: RE: Northfield Township sidewalk

Jacob,

Let me know when you might have a preliminary alignment to send out, and when you might want to meet to review it.

Thanks!

Nathan Voght, AICP
Brownfield Redevelopment Coordinator
ReImagine Washtenaw Project Manager

Office of Community & Economic Development
415 W. Michigan Avenue, Suite 2200
Ypsilanti, Michigan 48197
http://www.ewashtenaw.org/

734-544-3055 (direct office)
734-660-1061 (cell)

From: Rushlow, Jacob [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Wednesday, June 03, 2015 11:56 AM
To: Nathan Voght; Stephen Wade
Subject: RE: Northfield Township sidewalk

Sure thing. Attached is a PDF of the base plan with topo. We have also put in requests to the franchise utility owners (gas, electric, etc.) for their facility maps and will add that information once it has been received. Next step for us is to layout a preliminary sidewalk alignment and then meet with you guys to get a consensus on the location before proceeding with more detailed design.

Jacob

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Tuesday, June 02, 2015 3:56 PM
To: Rushlow, Jacob; Stephen Wade
Subject: RE: Northfield Township sidewalk

Jacob, can you also send along a PDF of the base plan with topo?

From: Rushlow, Jacob [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, June 02, 2015 3:23 PM
To: Stephen Wade
Cc: Nathan Voght
Subject: RE: Northfield Township sidewalk

Hi Stephen. Hope all is well with you and your family. Exciting times when adding more! Enjoy the time off! I will coordinate with Nathan and am providing a quick update here.

We completed the topographic field survey and have prepared the base plans showing existing conditions. I have prepared a draft project design schedule with detailed milestone dates (attached). I do have a few questions for you regarding the bidding phase so we should chat once you've had a chance to look over the schedule. Feel free to call or e-mail me with any questions.

JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

T 734.522.6711
F 734.522.6427
D 734.466.4517
C 734.812.7154

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From: Stephen Wade [mailto:wades@ewashtenaw.org]
Sent: Wednesday, May 27, 2015 2:29 PM
To: Rushlow, Jacob
Cc: Nathan Voght
Subject: Northfield Township sidewalk

Hello Jacob,

I am going to be heading off for a month of paternity leave sometime in the next week or two. My wife is due to have a boy on Sunday.

Please send Northfield Township sidewalk communication to Nathan Voght (cc'd).

When do you think you will have Task 1 – Finalized Conceptual Drawing completed?

Thanks,
Stephen

Stephen Wade, MUP, Management Analyst
Washtenaw County Office of Community & Economic Development
wades@ewashtenaw.org
(734) 544-3056
415 W. Michigan Ave
Ypsilanti, MI 48197
www.ewashtenaw.org/urbancounty

Watch the Washtenaw Sustainable Communities video

Howard Fink

From: Nathan Voght [voghtn@ewashtenaw.org]
Sent: Friday, June 12, 2015 2:11 PM
To: 'Rushlow, Jacob'; Stephen Wade
Cc: Howard Fink; 'MacDonell, Matt'; Smith, Bryan
Subject: RE: Northfield Township sidewalk

Ok, I can meet in Northfield Twp. next Tues. in the morning, or Thurs. until 1:30 p.m. Or, would we meet at the Road Commission?

Thx,

Nathan

From: Rushlow, Jacob [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Friday, June 12, 2015 1:19 PM
To: Nathan Voght; Stephen Wade
Cc: Howard Fink; 'MacDonell, Matt'; Smith, Bryan
Subject: RE: Northfield Township sidewalk

Hi Nathan. We are preparing a 30% plan submittal today and should have that sent out fairly soon. I am out of the office so the submittal will be coming from Bryan Smith who is one of my design engineers working on the project. I would like to meet with you and the Road Commission next week to go over the alignment layout and discuss any needed revisions. Tuesday between 9:00 AM and 12:00 PM or Thursday anytime between 9:00 AM and 4:00 PM would work best for my schedule. Let me know what is best for you. Thanks!

Jacob

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Friday, June 12, 2015 10:23 AM
To: Rushlow, Jacob; Stephen Wade
Subject: RE: Northfield Township sidewalk

Jacob,

Let me know when you might have a preliminary alignment to send out, and when you might want to meet to review it.

Thanks!

Nathan Voght, AICP
Brownfield Redevelopment Coordinator
ReImagine Washtenaw Project Manager

Office of Community & Economic Development
415 W. Michigan Avenue, Suite 2200
Ypsilanti, Michigan 48197
http://www.ewashtenaw.org/

734-544-3055 (direct office)
734-660-1061 (cell)

From: Rushlow, Jacob [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Wednesday, June 03, 2015 11:56 AM
To: Nathan Voght; Stephen Wade
Subject: RE: Northfield Township sidewalk

Sure thing. Attached is a PDF of the base plan with topo. We have also put in requests to the franchise utility owners (gas, electric, etc.) for their facility maps and will add that information once it has been received. Next step for us is to layout a preliminary sidewalk alignment and then meet with you guys to get a consensus on the location before proceeding with more detailed design.

Jacob

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Tuesday, June 02, 2015 3:56 PM
To: Rushlow, Jacob; Stephen Wade
Subject: RE: Northfield Township sidewalk

Jacob, can you also send along a PDF of the base plan with topo?

From: Rushlow, Jacob [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, June 02, 2015 3:23 PM
To: Stephen Wade
Cc: Nathan Voght
Subject: RE: Northfield Township sidewalk

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JACOB A. Rushlow, PE
PROJECT MANAGER

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From: Stephen Wade [mailto:wades@ewashtenaw.org]
Sent: Wednesday, May 27, 2015 2:29 PM
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Cc: Nathan Voght
Subject: Northfield Township sidewalk

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Thanks,
Stephen

Stephen Wade, MUP, Management Analyst
Washtenaw County Office of Community & Economic Development
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(734) 544-3056
415 W. Michigan Ave
Ypsilanti, MI 48197
www.ewashtenaw.org/urbancounty

Watch the Washtenaw Sustainable Communities video

Howard Fink

From: Smith, Bryan [Bryan.Smith@ohm-advisors.com]
Sent: Friday, June 12, 2015 2:38 PM
To: voghtn@ewashtenaw.org; wades@ewashtenaw.org
Cc: finkh@twp.northfield.mi.us; macdonellm@wcroads.org; Rushlow, Jacob
Subject: Main Street CDBG Sidewalk 30% Plans
Attachments: Main St CDBG - 30%.pdf; Main St CDBG 30% Transmittal.pdf

Nathan,

Please find attached the 30% preliminary alignment plans for the Main Street CDBG Sidewalk. Let me know if you have any issues or questions.

Thanks,

Bryan Smith, EIT
GRADUATE ENGINEER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

T 734.522.6711
F 734.522.6427
D 734.466.4520

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OHM Advancing Communities

transmittal

Date: June 12, 2015
Attn: Howard Fink (Northfield Township)
Nathan Vaught (Washtenaw County)
Stephen Wade (Washtenaw County)
Matt MacDonell (WCRC)
Job No: 0161-15-0010
Job Name: Main Street CDBG Sidewalk

We are sending you the following items:

☐ Drawings ☒ Plans ☐ Agreement
☐ Letter ☐ Proposal ☐ Other: _____

Number of copies and description:

1	30% preliminary alignment plan

These are transmitted as checked below:

☐ For Approval ☒ For Review and Comment ☐ Returned For Corrections
☐ For Your Use ☐ Approved As Submitted ☐ For Your Signature
☐ As Requested ☐ Approved As Noted ☐ Other: _____

Comments:

Please find the attached plans for the Main Street CDBG Sidewalk project. These were submitted to Northfield Township (Howard Fink), Washtenaw County (Nathan Vaught and Stephen Wade), and the Washtenaw County Road Commission (Matt MacDonell). We will coordinate with all to schedule the 30% preliminary alignment plan review meeting. Let me know if you have any questions.

Signed: _____
Name: Jacob Rushlow, P.E. **Title:** Project Manager

cc: File

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34000 PLYMOUTH ROAD
LIVONIA, MICHIGAN 48150
T 734.522.6711
F 734.522.6427
OHM-Advisors.com

TOWNSHIP OF NORTHFIELD

IN COOPERATION WITH

WASHTENAW COUNTY ROAD COMMISSION

MAIN STREET CDBG SIDEWALK

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	COVER
2	GENERAL NOTES
3	LEGEND
4-5	CONSTRUCTION PLAN

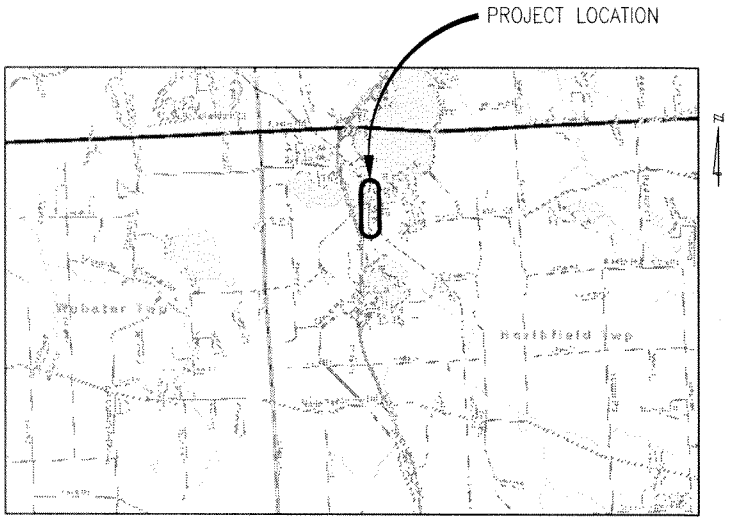
M.D.O.T. STANDARD PLANS	
TITLE	PLAN NO.
SIDEWALK RAMP DETAILS	R-28-I
CONCRETE CURB AND CONCRETE CURB & GUTTER	R-30-G
SOIL EROSION AND SEDIMENTATION CONTROL	R-96-E
TEMPORARY TRAFFIC CONTROL DEVICES	WZD-125-E

GENERAL PROVISIONS

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE PROPOSAL AND ACCOMPANYING SPECIFICATIONS FOR THIS PROJECT INCLUDING THE 2012 MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, AASHTO'S 2011 A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS.

THE LOCATION OF ALL PUBLIC UTILITIES SHOWN ON THESE PLANS IS TAKEN FROM THE BEST AVAILABLE DATA. THE WASHTENAW COUNTY ROAD COMMISSION AND NORTHFIELD TOWNSHIP WILL NOT BE RESPONSIBLE FOR ANY OMISSION OR VARIATION FROM THE LOCATIONS SHOWN. PURSUANT TO ACT 53 OF THE P.A. OF 1974, AS A CONDITION OF THIS CONTRACT, NOTICE SHALL BE GIVEN TO MISS DIG PRIOR TO UNDERGROUND WORK TO BE PERFORMED IN ACCORDANCE WITH THIS CONTRACT. PHONE (800) 482-7171 OR 811. UTILITY SERVICE CONNECTIONS ARE NOT SHOWN ON THE PLANS AND ARE NOT THE RESPONSIBILITY OF THE ROAD COMMISSION.

THE ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON NAVD 1988 VERTICAL DATUM.



LOCATION MAP

N.T.S.

APPLICATION DATE	PERMITS	APPROVAL DATE
	WCWRC SOIL EROSION PERMIT	
	WCRC R.O.W. PERMIT	

BOARD MEMBERS

MARILYN ENGSTROM
• SUPERVISOR •

ANGELA WESTOVER
• CITY CLERK •

KATHY BRAUN
• TREASURER •

WAYNE DOCKETT
JACKI OTTO
TRACY THOMAS
JANET CHICK
• TRUSTEES •

HOWARD FINK
MANAGER •

DRAFT NOT FOR CONSTRUCTION

CONTRACT FOR: APPROXIMATELY 850 FEET OF 5'-WIDE CONCRETE SIDEWALK FROM 9888 N. MAIN STREET TO WESTBROOK ROAD

OHM
Advancing Communities
34706 Plymouth Road | Livonia, MI 48150
p (734) 522-6711 | f (734) 522-6427

PREPARED UNDER THE SUPERVISION OF:

53603
Registration No.

JACOB RUSHLOW

Date

REVISIONS

PROJECT NO.	SHEET NO.
0161-15-0020	1 OF 5

GENERAL PROVISIONS

THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND THE CHARTER TOWNSHIP OF YPSILANTI ENGINEERING DESIGN STANDARDS EXCEPT AS NOTED HEREIN AND IN THE PROPOSAL BOOK.

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN SUCH A MANNER TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL CODES FOR NOISE LEVELS, VIBRATIONS, OR ANY OTHER RESTRICTIONS WHILE REMOVING PAVEMENT OR FOR ANY OTHER CONSTRUCTION OPERATIONS WITHIN THIS CONTRACT TO BE INCLUDED IN THE RESPECTIVE ITEM OF WORK.

THE CONTRACTOR SHALL NOT ENTER UPON PRIVATE PROPERTY FOR ANY PURPOSE WITHOUT OBTAINING WRITTEN PERMISSION, AND HE/SHE SHALL BE RESPONSIBLE FOR PRESERVATION OF ALL PUBLIC PROPERTY, TREES, MONUMENTS, ETC. ALONG AND ADJACENT TO THE STREET AND/OR RIGHT OF WAY, AND SHALL USE EVERY PRECAUTION NECESSARY TO PREVENT DAMAGE OR INJURY THERETO. HE/SHE SHALL USE SUITABLE PRECAUTIONS TO PREVENT DAMAGE TO PIPES, CONDUITS, AND OTHER UNDERGROUND STRUCTURES AND SHALL PROTECT CAREFULLY FROM DISTURBANCE OR DAMAGE ALL MONUMENTS AND PROPERTY MARKERS UNTIL THE ENGINEER OR AUTHORIZED AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION AND SHALL NOT REMOVE THEM UNTIL DIRECTED.

THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE LOCAL FIRE AND POLICE DEPARTMENTS 24 HOURS IN ADVANCE OF CONSTRUCTION PHASING REQUIRED FOR WORK SUCH AS FOR SEWER, CULVERT CROSSINGS AND ROADWAY EXCAVATION.

UTILITIES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, THE CONTRACTOR SHALL DIAL 1-800-482-7171, OR 811, A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM. UTILITY LOCATIONS SHOWN ON THE PLANS ARE ONLY APPROXIMATE AND SHOULD BE LOCATED IN THE FIELD BEFORE EXCAVATING IN THE AREA.

TELEPHONE

AT&T
ATTN:
54 N. MILL ST/BOX 35
PONTIAC, MI 48342
PHONE: (248) 456-9751
EMAIL: dj2966@att.com

CABLE

CHARTER COMMUNICATIONS
ATTN: DAN BIELACZYC
1392 TRADE CENTER DRIVE
TRAVERSE CITY, MI 49696
PHONE: (231) 941-3819
EMAIL: dan.bielaczyc@charter.com

ELECTRIC TRANSMISSION

DTE, ELECTRIC
ATTN:

PHONE:
EMAIL:

SEWER

NORTHFIELD TOWNSHIP UTILITY DEPARTMENT
ATTN:

PHONE:
EMAIL:

GAS

CONSUMER'S ENERGY
ATTN:
530 WILLOW STREET
LANSING, MI 48909
PHONE:
EMAIL:

SOIL BORINGS AND/OR PAVEMENT CORES

THE SOIL BORING LOCATION ON THE CONSTRUCTION SHEETS REPRESENTS POINT INFORMATION. PRESENTATION OF THIS INFORMATION IN NO WAY INFERS THAT SUBSURFACE CONDITIONS ARE THE SAME AT LOCATIONS OTHER THAN THE EXACT LOCATION OF THE BORING. SOIL BORING LOGS CAN BE FOUND ON SHEET 15 AND APPENDIX A OF THE CONTRACT BOOK.

DUST CONTROL

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON THIS PROJECT. KEEPING DUST TO A MINIMUM IS HIGH PRIORITY AND WILL BE EXPECTED TO BE MAINTAINED ON A REGULAR BASIS. DUST CONTROL WILL BE CONSIDERED INCIDENTAL TO THE PROJECT.

SAWCUTS

THE CONTRACTOR SHALL SAWCUT THE EXISTING CONCRETE AND/OR HMA PAVEMENT AND DRIVEWAYS TO THE LIMITS OF PROPOSED CONSTRUCTION, TO MAKE A NEAT AND SMOOTH CONNECTION TO THE EXISTING PAVEMENT OR DRIVEWAY AS REQUIRED AND DIRECTED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE BID FOR OTHER REMOVAL ITEMS.

FLAGGING OPERATIONS

THE CONTRACTOR AND ANY SUBCONTRACTORS WHO WILL BE USING A FLAGGING OPERATION FOR THIS PROJECT SHALL BE REQUIRED TO PROVIDE SATISFACTORY DOCUMENTATION PROVING THAT THEY HAVE MET THE MINIMUM REQUIREMENTS SET FORTH IN SECTION 812 OF THE 2012 MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION. FAILURE TO PROVIDE DOCUMENTATION WILL RESULT IN THE ROAD AUTHORITY WITHHOLDING PAYMENT FOR FLAGGING OPERATIONS.

ALL FLAGGING, SIGNAGE AND TYPE III BARRICADES SHALL BE PLACED DURING CONSTRUCTION AND SHALL BE PAID FOR AS "Minor Traf Devices".

CONCRETE PAVEMENT CRACK SEALING

THE CONTRACTOR SHALL CRACK SEAL CONCRETE PAVEMENT AS DIRECTED BY THE ENGINEER. THIS INCLUDES SELECT AREAS WITHIN THE PROJECT LIMITS AND SOME AREAS OUTSIDE OF THE PROJECT LIMITS AT THE CIVIC CENTER ENTRANCE. QUANTITY IS SHOWN ON THIS SHEET. SEE METHOD OF PAYMENT FOR INSTALLATION INSTRUCTIONS.

TREE REMOVAL

CONTRACTOR SHALL MEET ENGINEER IN FIELD TO DETERMINE AND FINALIZE ALL TREE REMOVALS AND CLEARING LIMITS PRIOR TO COMMENCING WORK.

MISCELLANEOUS

AS DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL REPAIR OR REPLACE ANY UNDERGROUND ELECTRICAL AND HANDHOLES DAMAGED BY THE CONTRACTOR OR THEIR SUBCONTRACTORS. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS ACTIVITY.

ANY SEWER AND/OR CURB STOP BOXES LOCATED IN SIDEWALK OR DRIVEWAYS SHALL BE ADJUSTED TO MEET PROPOSED ELEVATIONS.

LAWN SPRINKLER SYSTEMS AND LANDSCAPING

IT IS NOT ANTICIPATED THAT THERE IS EXISTING IRRIGATION, HOWEVER, OWNERS OF EXISTING LAWN SPRINKLER SYSTEMS AND/OR LANDSCAPING SHALL BE NOTIFIED (IN WRITING WITH A COPY SENT TO THE ENGINEER) BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF ANY WORK TO BE DONE THAT WILL AFFECT THOSE SYSTEMS AND/OR LANDSCAPING. IF THE PROPERTY OWNER FAILS TO RELOCATE THE LAWN SPRINKLER SYSTEM PRIOR TO THE CONTRACTOR BEGINNING WORK, AND IF THE CONTRACTOR CUTS THE SYSTEM DURING CONSTRUCTION, THE CONTRACTOR SHALL CAP THE SYSTEM PIPE AND WITNESS THE LOCATION OF THE CAP WITH A WOODEN STAKE FOR THE PROPERTY OWNERS USE. THE CONTRACTOR SHALL PLACE THE SALVAGED SPRINKLER HEADS ON THE PROPERTY OWNERS PROPERTY. IF THE PROPERTY OWNER FAILS TO RELOCATE THE LANDSCAPING PRIOR TO THE CONTRACTOR BEGINNING WORK, THE CONTRACTOR SHALL CAREFULLY SALVAGE THE LANDSCAPING ITEMS AND STOCKPILE THEM ON THE PROPERTY OWNERS PROPERTY FOR THE PROPERTY OWNER. ANY OTHER MODIFICATION TO THE LAWN SPRINKLER SYSTEMS AND/OR LANDSCAPING, IS THE RESPONSIBILITY OF THE OWNER AND IS NOT PART OF THIS CONTRACT. THIS WORK AND ALL REQUIRED COMMUNICATION AND COORDINATION WITH THE OWNER IS INCLUDED IN THE MACHINE GRADING PAY ITEM.

EARTHWORK & GRADING

THE CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIAL AT A SITE OUTSIDE OF THE PROJECT LIMITS, OR AS APPROVED BY THE ENGINEER. NO SEPARATE PAYMENT WILL BE MADE FOR LOADING, HAULING, OR DISPOSING OF THE EXCAVATED UNSUITABLE MATERIALS, BUT SHALL BE INCLUDED IN THE COST OF MACHINE GRADING.

ALL NATURAL SOIL LEFT IN PLACE, IN CUT SECTIONS, SHALL BE COMPACTED TO NOT LESS THAN 95 PERCENT OF MAXIMUM UNIT WEIGHT TO A MINIMUM DEPTH OF 12 INCHES.

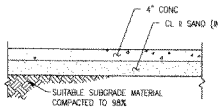
THROUGHOUT THE PROJECT, NO UNDERCUTS OR TRENCHES WILL BE LEFT OPEN AND UNBACKFILLED DURING EACH NIGHT OR NON-WORKING HOURS.

SAWING FOR PAVEMENT REMOVAL SHALL BE INCLUDED IN THE ITEM OF PAVEMENT AND SIDEWALK REMOVAL.

ALL SLOPES SHALL BE FINISHED AS CLASS A SLOPES. BACKFILL BEHIND ALL PROPOSED CURB WITH SOUND EARTH FILL AS SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER IS INCLUDED IN THE PLAN QUANTITY FOR MACHINE GRADING.

HOURS OF OPERATION

WORK MAY BE PERFORMED DURING THE HOURS OF 7:00 AM TO 7:00 PM, MONDAY THROUGH SATURDAY ONLY. WORK AT OTHER TIMES MAY BE PERFORMED ONLY BY WRITTEN PERMISSION OF THE OWNER.



NOTE:
CONCRETE THICKNESS SHALL BE INCREASED TO 8" IN DRIVEWAY CROSSINGS AND RAMPS.

TYPICAL SIDEWALK CROSS SECTION
NOT TO SCALE

DRAWING PATH: P:\PROJECTS\2015\153925\Mark-Up_CDBG_Sidewalk\Drawings\CivilMisc\153925CIV04.dgn Jan 12, 2015 - 2:10pm

OHM
ARCHITECTS ENGINEERS PLANNERS
34000 Plymouth Road
Livonia, MI 48150
P (734) 522-6711 | F (734) 522-6427
OHM-ADVISORS.COM

DRAFT NOT FOR CONSTRUCTION

DATE	PROJ MANAGER	CHKD	COUNTY	CITY/VILLAGE/TOWNSHIP	SCALE	INSPECTION	VERT DATUM
(DEVELOPED)	JR	JR	WASHTENAW	NORTHFIELD	H: 1"=20' V: 1"=2'	NAD83 (2011)	NAVD 88

COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
GENERAL NOTES

SHEET 2 OF 5

REVISIONS

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WATER & SEWER UTILITY SYMBOLS

EXISTING

- STORM MANHOLE
- SQUARE CATCH BASIN
- ROUND CATCH BASIN
- CULVERT
- CULVERT W/O END SECTION
- CULVERT W/END SECTION
- SANITARY MANHOLE
- CLEAN OUT
- GATE VALVE & WELL
- GATE VALVE & BOX
- WATER STOP BOX
- FIRE HYDRANT
- METER PIT
- WATER METER
- SPRINKLER HEAD
- IRRIGATION VALVE

PROPOSED

- STORM MANHOLE
- INLET/CATCH BASIN
- CULVERT END SECTION
- SANITARY MANHOLE
- GATE VALVE & WELL
- GATE VALVE & BOX
- TAPPING SLEEVE VALVE & WELL
- TAPPING SLEEVE VALVE & BOX
- FIRE HYDRANT

REAL ESTATE SYMBOLS

- CONTIGUOUS PROPERTY SYMBOL
- PARCEL NUMBER BOX
- NO ROW IMPACTS

MISCELLANEOUS UTILITY SYMBOLS

EXISTING

- GUY WIRE
- GUY POLE
- UTILITY POLE
- UTILITY POLE W/LIGHT
- LIGHT/DECOR LAMP POLE
- FLOOD LIGHT
- GAS VALVE
- GAS VENT
- GAS METER
- GAS RISER
- TRAFFIC SIGNAL
- PEDESTRIAN RISER
- TRANSFORMER PAD
- PRIVATE UTILITY MANHOLE
- RAILROAD CROSSING
- ELECTRIC METER
- PHONE BOOTH
- TRAFFIC SIGNAL CONTROLLER
- HAND HOLE
- ELECTRIC RISER
- TELEPHONE RISER
- CABLE TV RISER
- MONITORING WELL
- UNDERGROUND MARKER

MISCELLANEOUS SYMBOLS

EXISTING

- RIPRAP
- SIGN
- FLOW DIRECTION
- STUMP
- WETLAND
- CONIFEROUS TREE (D. 1 1" TO 5", D. 2 6" TO 12", D. 3 18" TO 35", D. 4 36" AND UP)
- DECIDUOUS TREE (D. 1 1" TO 5", D. 2 6" TO 12", D. 3 18" TO 35", D. 4 36" AND UP)
- CONIFEROUS SHRUB
- DECIDUOUS SHRUB
- SOIL BORING
- SECTION CORNER
- MONUMENT
- IRON ROD/PIPE
- PK NAIL
- BENCHMARK
- TRAVERSE POINT
- MAIL/NEWSPAPER BOX
- FLAG POLE
- POST
- HAZARDOUS OR FLAMMABLE MATERIAL — USED WITH UNDERGROUND GAS & ELECTRICAL LINES
- CAUTION – CRITICAL UNDERGROUND UTILITY — USED WITH TELEPHONE & FIBER OPTIC LINES

PROPOSED

- RIPRAP
- SIGN
- FLOW DIRECTION
- STRUCTURE NUMBER WM SAN STM
- ADA SIDEWALK RAMP

UTILITY PATTERN

EXISTING

- ELEC — ELECTRICAL *
- 6" (COMPANY) GAS — GAS\OIL
- (COMPANY) CABLE/TEL — CABLE/TELEPHONE *
- FIBER OPTIC — FIBER OPTIC *
- 12" WM — WATER
- 12" SAN — SANITARY
- 12" STM — STORM

PROPOSED

- 12" — STORM/SANITARY/WATER
- 12" — PRIMARY UTILITY WILL HAVE A CONTINUOUS LINESTYLE, WITH THE SECONDARY UTILITY MATCHING ITS RESPECTIVE EXISTING UTILITY LINESTYLE

*OH = OVERHEAD , UG = UNDERGROUND

ROW PATTERN

EXISTING

- ROW — ROW
- SECTION
- PROPERTY/PARCEL

PROPOSED

- ROW — ROW

TOPO PATTERN

EXISTING

- HEDGE/TREE
- FENCE
- GUARDRAIL
- CENTERLINE OF DITCH
- RAILROAD
- WETLAND/EDGE OF WATER

PROPOSED

- GRADING LIMIT (SLOPE STAKE)
- CENTERLINE OF DITCH
- GUARDRAIL
- FENCE

REMOVAL LEGEND

- SIDEWALK REMOVAL
- HMA SURFACE REMOVAL
- PAVEMENT REMOVAL
- COLD MILLING HMA SURFACE
- HMA BASE CRUSHING AND SHAPING
- EXCAVATION, EARTH, MODIFIED
- CURB AND GUTTER, REM
- TREE, REM
- S-[XXXXXX] — SALVAGE
- B-[XXXXXX] — BULKHEAD
- A-[XXXXXX] — ABANDON
- R-[XXXXXX] — REMOVE
- ADJ-[XXXXXX] — ADJUST
- REL-[XXXXXX] — RELOCATE
- REC-[XXXXXX] — RECONSTRUCT
- R B/O-[XXXXXX] — REMOVE BY OTHERS
- ADJ B/O-[XXXXXX] — ADJUST BY OTHERS
- REL B/O-[XXXXXX] — RELOCATE BY OTHERS

IF NECESSARY FOR CLARITY

- (S) SALVAGE
- (B) BULKHEAD
- (A) ABANDON
- (C) CLEARING
- (R) REMOVE
- (REL) RELOCATE
- (REC) RECONSTRUCT
- (REL B/O) RELOCATE BY OTHERS
- (ADJ B/O) ADJUST BY OTHERS

SPECIAL LEGEND

- (L) LANDING
- (R) RAMP

OHM
ARCHITECTS ENGINEERS PLANNERS
34000 Plymouth Road
Livonia, MI 48150
P (734) 522-6711 | F (734) 522-6427
OHM-ADVISORS.COM

DRAFT NOT FOR CONSTRUCTION

COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
LEGEND

SHEET 3 OF 5

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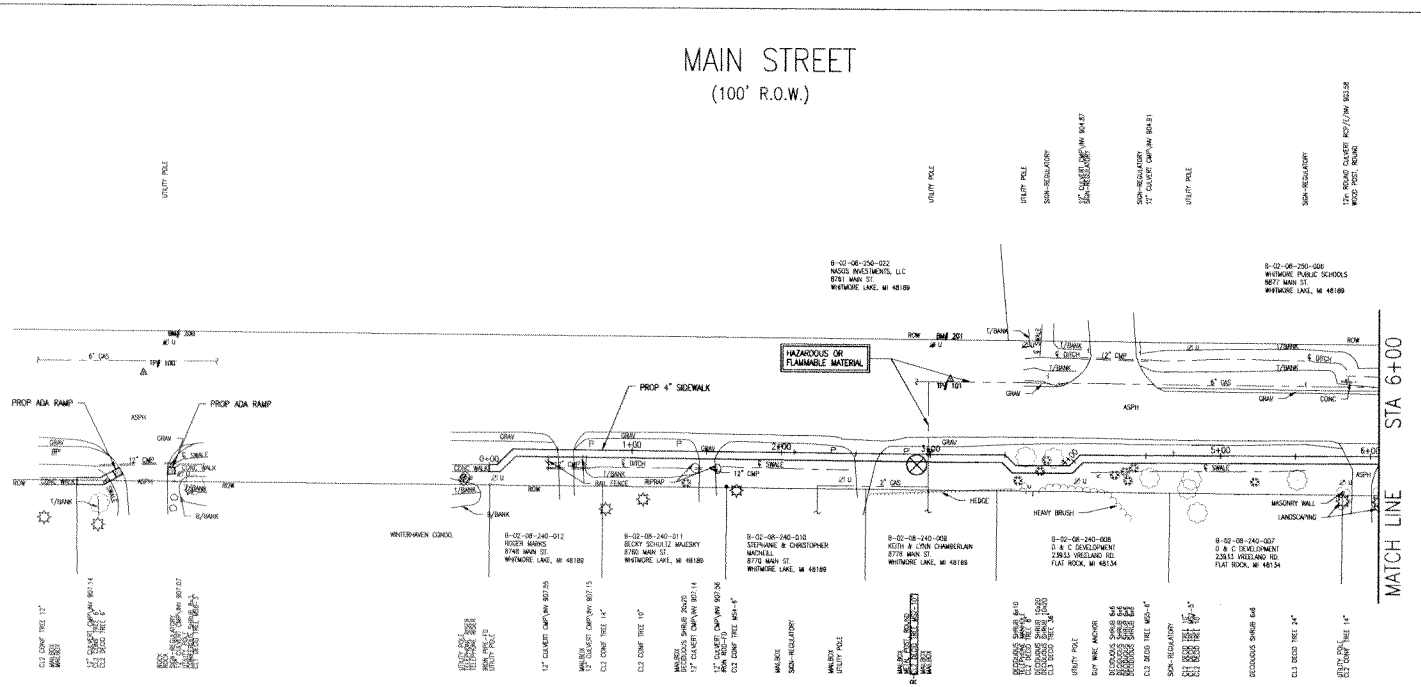
DRAWING PATH: P:\PROJ\8_D\1801561\15000_Main_St_CDBG_Sidewalk\Drawings\Civil\sht\1501561SYMLEG.dwg Jan 12, 2016 - 2:12pm



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ARCHITECTS ENGINEERS PLANNERS
34000 Plymouth Road
Livonia, MI 48150
P (734) 522-6711 | F (734) 522-8427
OHMADVISORS.COM

DATE	PROJ NUMBER	ENG	PROJ MGR	CADD	SCALE	HORIZ DATUM	VERT DATUM
	0041-13-0015	JK	JR	JK/JH-TECH	1" = 40'	N/A	N/A

COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
CONSTRUCTION PLAN

SHEET 4 OF 5

Know what's below. Call before you dig.

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DRAWING PATH: P:\0135-0\0015\0135015_Main_St_CDBG_Sidewalk\Drawings\Civil\Plans_Cover\150202CIV.dwg Jun 12, 2015 - 2:11pm

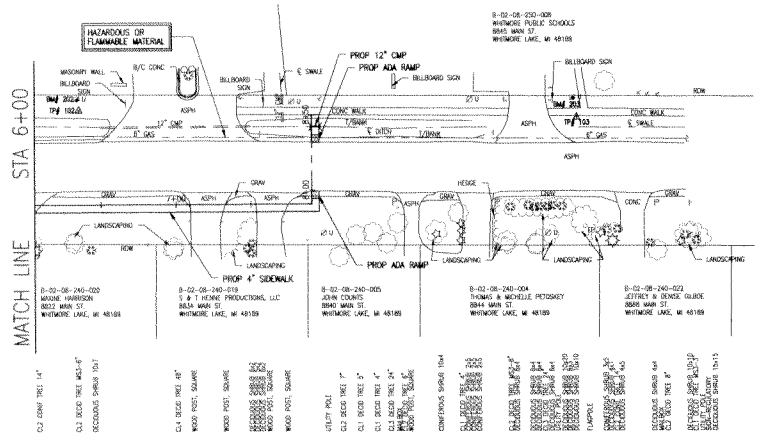
JOB BENCHMARK #202
SET BENCH TIE E SIDE WD UTIL POLE, N SIDE OF MAIN ST, 1ST POLE S OF MAIN ENT TO "WHITMORE LAKE" SCHOOL
ELEV 907.60

JOB BENCHMARK #203
SET COTTEN SPINDLE W/ YELLOW TAG E SIDE WD UTIL POLE, N SIDE MAIN ST, 1ST POLE N OF N ENT TO "WHITMORE LAKE" SCHOOL
ELEV 908.75

TRAVERSE POINT #102
N 333312.82
E 1329824.24 ELEV 906.94

TRAVERSE POINT #103
N 333645.14
E 1329882.80 ELEV 907.63

MAIN STREET
(100' R.O.W.)



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COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK

CONSTRUCTION PLAN

Know what's below. Call before you dig.

SHEET 5 OF 5

DRAWING PATH: P:\2015\15015181\15005\Main St. CDBG Sidewalk\Drawings\CAD\Plans_Cover\15005CVR.dwg Jun 2, 2015 - 2:13pm

ARCHITECTS. ENGINEERS. PLANNERS.

OHM Advancing Communities

transmittal

Date: June 12, 2015
Attn: Howard Fink (Northfield Township)
Nathan Vaught (Washtenaw County)
Stephen Wade (Washtenaw County)
Matt MacDonell (WCRC)
Job No: 0161-15-0010
Job Name: Main Street CDBG Sidewalk

We are sending you the following items:

☐ Drawings ☒ Plans ☐ Agreement
☐ Letter ☐ Proposal ☐ Other: _____

Number of copies and description:

1	30% preliminary alignment plan

These are transmitted as checked below:

☐ For Approval ☒ For Review and Comment ☐ Returned For Corrections
☐ For Your Use ☐ Approved As Submitted ☐ For Your Signature
☐ As Requested ☐ Approved As Noted ☐ Other: _____

Comments:

Please find the attached plans for the Main Street CDBG Sidewalk project. These were submitted to Northfield Township (Howard Fink), Washtenaw County (Nathan Vaught and Stephen Wade), and the Washtenaw County Road Commission (Matt MacDonell). We will coordinate with all to schedule the 30% preliminary alignment plan review meeting. Let me know if you have any questions.

Signed: _____
Name: Jacob Rushlow, P.E. **Title:** Project Manager

cc: File

OHM Advisors
34000 PLYMOUTH ROAD
LIVONIA, MICHIGAN 48150
T 734.522.6711
F 734.522.6427
OHM-Advisors.com

Howard Fink

From: Nathan Voght [voghtn@ewashtenaw.org]
Sent: Friday, June 12, 2015 4:15 PM
To: Howard Fink; 'Rushlow, Jacob'; Stephen Wade
Cc: 'MacDonell, Matt'; 'Smith, Bryan'
Subject: RE: Northfield Township sidewalk

Follow Up Flag: Follow up
Flag Status: Flagged

I just have a conf. call at 2pm I need to take...

From: Howard Fink
Sent: Friday, June 12, 2015 3:40 PM
To: Nathan Voght; 'Rushlow, Jacob'; Stephen Wade
Cc: 'MacDonell, Matt'; 'Smith, Bryan'
Subject: RE: Northfield Township sidewalk

Hi Everyone,
I have a meeting Tuesday morning. How about Thursday afternoon at Township hall?
Howard

Howard Fink
Northfield Township Manager
8350 Main St., Ste. A
Whitmore Lake, MI 48189
Phone: (734) 449-2880 x 12
Fax: (734) 449-0123

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Subject: RE: Northfield Township sidewalk

Ok, I can meet in Northfield Twp. next Tues. in the morning, or Thurs. until 1:30 p.m. Or, would we meet at the Road Commission?

Thx,

Nathan

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Jacob

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Subject: RE: Northfield Township sidewalk

Jacob,

Let me know when you might have a preliminary alignment to send out, and when you might want to meet to review it.

Thanks!

Nathan Voght, AICP
Brownfield Redevelopment Coordinator
ReImagine Washtenaw Project Manager

Office of Community & Economic Development
415 W. Michigan Avenue, Suite 2200
Ypsilanti, Michigan 48197
http://www.ewashtenaw.org/

734-544-3055 (direct office)
734-660-1061 (cell)

From: Rushlow, Jacob [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Wednesday, June 03, 2015 11:56 AM
To: Nathan Voght; Stephen Wade
Subject: RE: Northfield Township sidewalk

Sure thing. Attached is a PDF of the base plan with topo. We have also put in requests to the franchise utility owners (gas, electric, etc.) for their facility maps and will add that information once it has been received. Next step for us is to layout a preliminary sidewalk alignment and then meet with you guys to get a consensus on the location before proceeding with more detailed design.

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Subject: RE: Northfield Township sidewalk

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JACOB A. Rushlow, PE
PROJECT MANAGER

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Subject: Northfield Township sidewalk

Hello Jacob,

I am going to be heading off for a month of paternity leave sometime in the next week or two. My wife is due to have a boy on Sunday.

Please send Northfield Township sidewalk communication to Nathan Voght (cc'd).

When do you think you will have Task 1 – Finalized Conceptual Drawing completed?

Thanks,
Stephen

Stephen Wade, MUP, Management Analyst
Washtenaw County Office of Community & Economic Development
wades@ewashtenaw.org
(734) 544-3056
415 W. Michigan Ave
Ypsilanti, MI 48197
www.ewashtenaw.org/urbancounty

Watch the Washtenaw Sustainable Communities video

Howard Fink

From: MacDonell, Matt [macdonellm@wcroads.org]
Sent: Monday, June 15, 2015 7:24 AM
To: Howard Fink; 'Nathan Voght'; 'Rushlow, Jacob'; 'Stephen Wade'
Cc: 'Smith, Bryan'
Subject: RE: Northfield Township sidewalk

I am available on Thursday 9am to 3pm. I would be happy to host if need be. Let me know.

Thanks,

Matt

Matthew F. MacDonell, P.E.
Assistant Director of Engineering

Washtenaw County Road Commission
555 North Zeeb Road
Ann Arbor, MI 48103
phone: (734) 761-1500
direct: (734) 327-6688
fax: (734) 761-3737
macdonellm@wcroads.org
www.wcroads.org

From: Howard Fink [mailto:finkh@twp.northfield.mi.us]
Sent: Friday, June 12, 2015 3:40 PM
To: 'Nathan Voght'; 'Rushlow, Jacob'; 'Stephen Wade'
Cc: MacDonell, Matt; 'Smith, Bryan'
Subject: RE: Northfield Township sidewalk

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ReImagine Washtenaw Project Manager

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415 W. Michigan Ave
Ypsilanti, MI 48197
www.ewashtenaw.org/urbancounty

Watch the Washtenaw Sustainable Communities video

Howard Fink

From: Rushlow, Jacob [jacob.rushlow@ohm-advisors.com]
Sent: Monday, June 15, 2015 9:21 AM
To: MacDonell, Matt; Howard Fink; 'Nathan Voght'; 'Stephen Wade'
Cc: Smith, Bryan
Subject: RE: Northfield Township sidewalk

Thank you everyone for helping to coordinate this meeting. I would like to propose we meet at 3:00 PM Thursday at the Northfield Twp Hall to review the 30% sidewalk alignment plans.

JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

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Assistant Director of Engineering

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Sent: Monday, June 15, 2015 2:29 PM
To: Howard Fink
Subject: RE: Northfield Township sidewalk
Attachments: May 2015 OHM Invoice North Twp.pdf

Howard,

Please see attached the first invoice from OHM for their design work on the CDBG sidewalk.

I wanted you to have a chance to review/approve the payment before I submit the invoice to be paid.

Thx,

Nathan Voght, AICP
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Cc: Nathan Voght
Subject: RE: Northfield Township sidewalk

Hi Stephen. Hope all is well with you and your family. Exciting times when adding more! Enjoy the time off! I will coordinate with Nathan and am providing a quick update here.

We completed the topographic field survey and have prepared the base plans showing existing conditions. I have prepared a draft project design schedule with detailed milestone dates (attached). I do have a few questions for you regarding the bidding phase so we should chat once you've had a chance to look over the schedule. Feel free to call or e-mail me with any questions.

JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

T 734.522.6711
F 734.522.6427
D 734.466.4517
C 734.812.7154

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From: Stephen Wade [mailto:wades@ewashtenaw.org]
Sent: Wednesday, May 27, 2015 2:29 PM
To: Rushlow, Jacob
Cc: Nathan Voght
Subject: Northfield Township sidewalk

Hello Jacob,

I am going to be heading off for a month of paternity leave sometime in the next week or two. My wife is due to have a boy on Sunday.

Please send Northfield Township sidewalk communication to Nathan Voght (cc'd).

When do you think you will have Task 1 – Finalized Conceptual Drawing completed?

Thanks,
Stephen

Stephen Wade, MUP, Management Analyst
Washtenaw County Office of Community & Economic Development
wades@ewashtenaw.org
(734) 544-3056
415 W. Michigan Ave
Ypsilanti, MI 48197
www.ewashtenaw.org/urbancounty

Watch the Washtenaw Sustainable Communities video

15-10-12A09:43 RCVD

ARCHITECTS. ENGINEERS. PLANNERS.

OHM Advancing Communities

Washtenaw County - Community Devel.
Attn: Nathan Vought
Community/Economic Development
P.O. Box 8645
Ann Arbor, MI 48107-8645

Invoice Date: 06/02/2015
Invoice #: 171406
Project: 0161-15-0021

Project Name: Sidewalk Design - Northfield Main Street

PO 46428

For Professional Services Rendered through: 5/23/2015

Description	*Fee*	*Prior Billed*	*Total Available*	*Current Billing*
Professional Fees	18,000.00	0.00	18,000.00	3,905.50
			Amount Due This Invoice **	**3,905.50**

Northfield Twp. CDBG Sidewalk infill
CR# 44687

REMIT TO:
OHM Advisors
34000 PLYMOUTH RD T 734.522.6711

ARCHITECTS. ENGINEERS. PLANNERS.

OHM Advancing Communities

Washtenaw County - Community Devel.
Attn: Nathan Vought
Community/Economic Development
P.O. Box 8645
Ann Arbor, MI 48107-8645

Invoice Date: 06/02/2015
Invoice #: 171406
Project: 0161-15-0021

Professional Fees

Fixed Rates Labor

Classification	*Hours*	*Rate*	*Amount*
Graduate Engineer I	0.75	100.0000	75.00
Professional Engineer/Architect II	3.00	125.0000	375.00
Sr. Associate	3.00	170.0000	510.00
Surveyor I	17.50	70.0000	1,225.00
Surveyor II	17.50	90.0000	1,575.00
Surveyor III	1.50	97.0000	145.50
Fixed Rates Labor subtotal	43.25		3,905.50
Total Professional Fees			**3,905.50**

Total Project: 0161150021 - Sidewalk Design - Northfield Main Street **3,905.50**

REMIT TO:
OHM Advisors
34000 PLYMOUTH RD
T 734.522.6711

15-10-15A10:43 RCVD

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Attn: Nathan Vought
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Ann Arbor, MI 48107-8645

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Northfield Twp. CDBG Sidewalk infill
CR# 44687

REMIT TO:
OHM Advisors
34000 PLYMOUTH RD
LIVONIA. MICHIGAN 48150-1512
T 734.522.6711
F 734.522.6427
OHM-Advisors.com

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Attn: Nathan Vought
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P.O. Box 8645
Ann Arbor, MI 48107-8645

Invoice Date: 06/02/2015
Invoice #: 171406
Project: 0161-15-0021

Professional Fees

Fixed Rates Labor

Classification	*Hours*	*Rate*	*Amount*
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Professional Engineer/Architect II	3.00	125.0000	375.00
Sr. Associate	3.00	170.0000	510.00
Surveyor I	17.50	70.0000	1,225.00
Surveyor II	17.50	90.0000	1,575.00
Surveyor III	1.50	97.0000	145.50
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OHM Advisors
34000 PLYMOUTH RD
LIVONIA, MICHIGAN 48150-1512
T 734.522.6711
F 734.522.6427
OHM-Advisors.com

Howard Fink

From: Rushlow, Jacob [jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, June 23, 2015 9:23 AM
To: Howard Fink
Subject: Main Street Sidewalk School coordination

Howard,

Can you get me the contact info for Tom Dekyser so I can get with him regarding the Main Street sidewalk crossing location for the Middle School? Thanks!

JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

T 734.522.6711
F 734.522.6427
D 734.466.4517
C 734.812.7154

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Howard Fink

From: Rushlow, Jacob [jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, June 23, 2015 10:48 AM
To: Howard Fink
Subject: Main Street Plans
Attachments: Main St CDBG - 30% - Final.pdf

Howard,

Attached is the 30% review plans as requested. In the area near the crossing to the school we discussed at our review meeting the possibility of pushing the sidewalk further away from the road. These 30% plans have not yet been updated to reflect that change but I would anticipate we will be about 20 feet from the road and 10 feet from the property line at the location of the crossing. Let me know if you need anything else.

JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

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F 734.522.6427
D 734.466.4517
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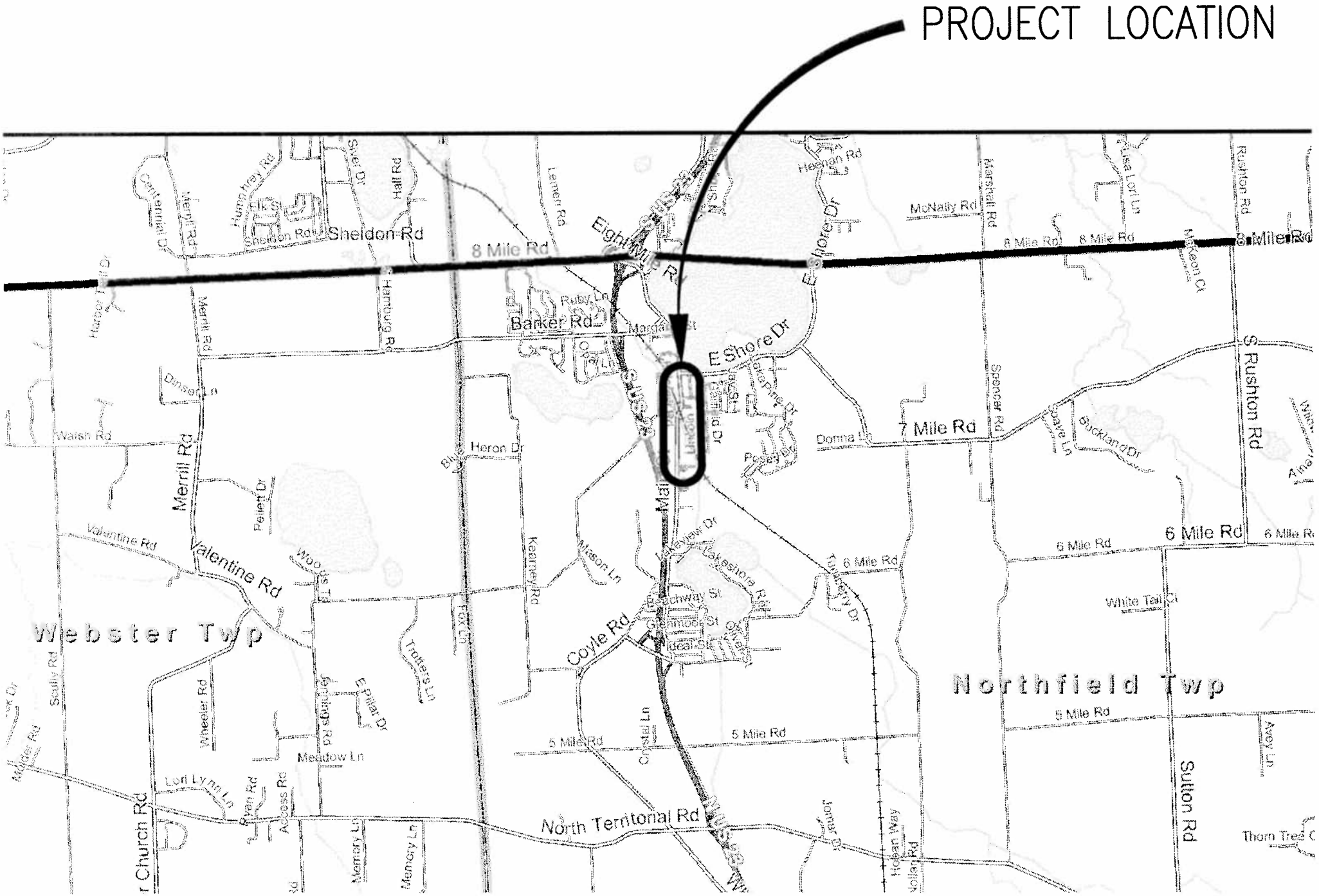

PROJECT LOCATION
8 Mile Rd
Sheldon Rd
Barker Rd
E Shore Dr
7 Mile Rd
6 Mile Rd
5 Mile Rd
Merrill Rd
Valentine Rd
Coyle Rd
North Territorial Rd
S Rushton Rd
Sutton Rd
Webster Twp
Northfield Twp
Eight Mile Rd
Lemen Rd
Hall Rd
Harbor Trail Dr
Marvin Rd
Hartung Rd
Ruby Ln
Marshall St
Dinser Ln
Walsh Rd
Heron Dr
Pellett Dr
Woods Ln
Keamey Rd
Mason Ln
Lakeview Dr
Lakeshore Rd
Tuckaway Dr
Beachway St
Glenmore St
Ideal St
White Tail Ct
Fox Ln
Trotters Ln
Wheeler Rd
Scully Rd
Meadow Ln
Lori Lynn Ln
Ryan Rd
Access Rd
Memory Ln
Crystal Ln
Hogan Way
Nolan Rd
Marshall Rd
McNally Rd
Hannan Rd
Lisa Lori Ln
Rushton Rd
McKeon Ct
Spencer Rd
Donna Ln
Square Ln
Bucklandt Dr
Lake Pine Dr
Passey Rd
Avery Ln
Thorn Tree
Miller Rd
Churan Rd

UNSUITABLE MATERIAL AT A SITE OUTSIDE OF
Y THE ENGINEER. NO SEPARATE PAYMENT WILL
'OSING OF THE EXCAVATED UNSUITABLE
HE COST OF MACHINE GRADING.

' SECTIONS, SHALL BE COMPACTED TO NOT LESS
GHT TO A MINIMUM DEPTH OF 12 INCHES.

TS OR TRENCHES WILL BE LEFT OPEN AND
)N-WORKING HOURS.

E INCLUDED IN THE ITEM OF PAVEMENT AND

S A SLOPES. BACKFILL BEHIND ALL PROPOSED
IED ON THE PLANS OR AS DIRECTED BY THE
NTITY FOR MACHINE GRADING.

N

IOURS OF 7:00 AM TO 7:00 PM, MONDAY
IER TIMES MAY BE PERFORMED ONLY BY

MON MONUMENT

IRON ROD/PIPE

PK PK NAIL

BM# BENCHMARK

TP# TRAVERSE POINT

MAIL/NEWSPAPER BOX

FP FLAG POLE

POST

HAZARDOUS OR FLAMMABLE MATERIAL — USED WITH UNDERGROUND GAS & ELECTRICAL LINES

CAUTION – CRITICAL UNDERGROUND UTILITY — USED WITH TELEPHONE & FIBER OPTIC LINES

PROPOSED

RIPRAP

SIGN

FLOW DIRECTION

STRUCTURE NUMBER
WM SAN STM

ADA SIDEWALK RAMP

12"

*OH = OVERHEAD , UG = UNDERGROUND

ROW PATTERN

EXISTING

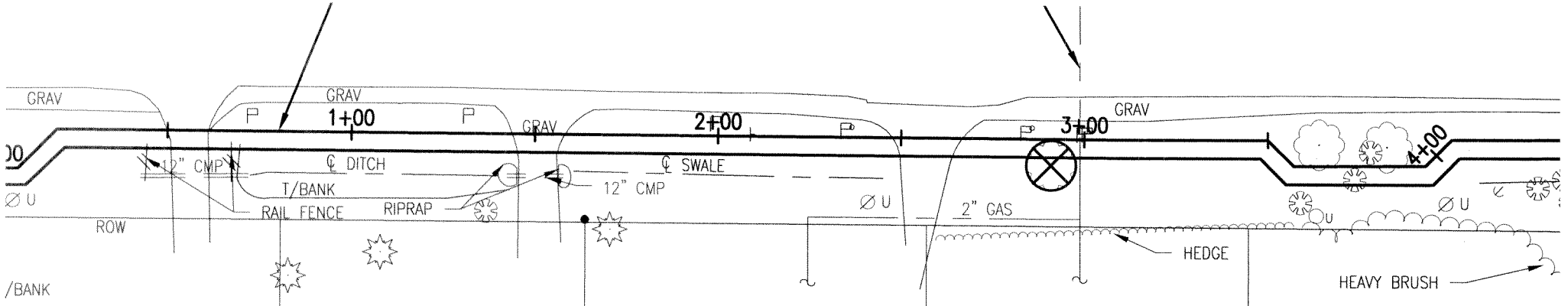
ROW

PROPOSED

ROW

TOPO PATTERN

EXISTING



B-02-08-240-012
ROGER MARKS
8748 MAIN ST.
WHITMORE LAKE, MI 48189

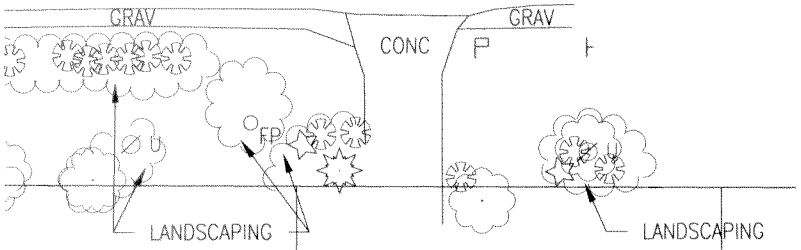
B-02-08-240-011
BECKY SCHULTZ MAJESKY
8760 MAIN ST.
WHITMORE LAKE, MI 48189

B-02-08-240-010
STEPHANIE & CHRISTOPHER
MACNEILL
8770 MAIN ST.
WHITMORE LAKE, MI 48189

B-02-08-240-009
KEITH & LYNN CHAMBERLAIN
8778 MAIN ST.
WHITMORE LAKE, MI 48189

B-02-08-240-008
D & C DEVELOPMENT
23933 VREELAND RD.
FLAT ROCK, MI 48134

UTILITY POLE
12" CULVERT CMP\INV 907.55
MAILBOX
12" CULVERT CMP\INV 907.15
CL2 CONIF TREE 14"
CL2 CONIF TREE 10"
MAILBOX
DECIDUOUS SHRUB 20x20
12" CULVERT CMP\INV 907.14
12" CULVERT CMP\INV 907.56
IRON ROD-FD
CL2 CONIF TREE MS4-6"
MAILBOX
SIGN-REGULATORY
MAILBOX
UTILITY POLE
MAILBOX
METAL POST, ROUND
R-CL2 DECID TREE MS2-10"
MAILBOX
MAILBOX
DECIDUOUS SHRUB 6x10
TELEPHONE MANHOLE
CL2 DECID TREE 8"
DECIDUOUS SHRUB 10x20
DECIDUOUS SHRUB 10x20
CL3 DECID TREE 36"
UTILITY POLE
GUY WIRE ANCHOR
DECIDUOUS SHRUB 6x6
DECIDUOUS SHRUB 6x6



0-004
ICHELLE PETOSKEY
T.
KE, MI 48189

B-02-08-240-022
JEFFREY & DENISE GILBOE
8888 MAIN ST.
WHITMORE LAKE, MI 48189

CL2 DECID TREE MS3-8
DECIDUOUS SHRUB 6x4

DECIDUOUS SHRUB 6x4
DECIDUOUS SHRUB 6x4
CL3 DECID TREE 24"
DECIDUOUS SHRUB 6x4
UTILITY POLE
DECIDUOUS SHRUB 10x20
DECIDUOUS SHRUB 6x3
DECIDUOUS SHRUB 10x10

FLAGPOLE

CONIFEROUS SHRUB 3x5
DECIDUOUS SHRUB 4"x1
CL2 CONIF TREE 14"
DECIDUOUS SHRUB 4x5

DECIDUOUS SHRUB 4x4
MAILBOX
CL2 DECID TREE 8"

DECIDUOUS SHRUB 10x10
CL1 DECID TREE MS3-3"
UTILITY POLE
SIGN-REGULATORY
DECIDUOUS SHRUB 15x15

TOWNSHIP OF NORTHFIELD

IN COOPERATION WITH

WASHTENAW COUNTY ROAD COMMISSION

MAIN STREET CDBG SIDEWALK

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	COVER
2	GENERAL NOTES
3	LEGEND
4--5	CONSTRUCTION PLAN

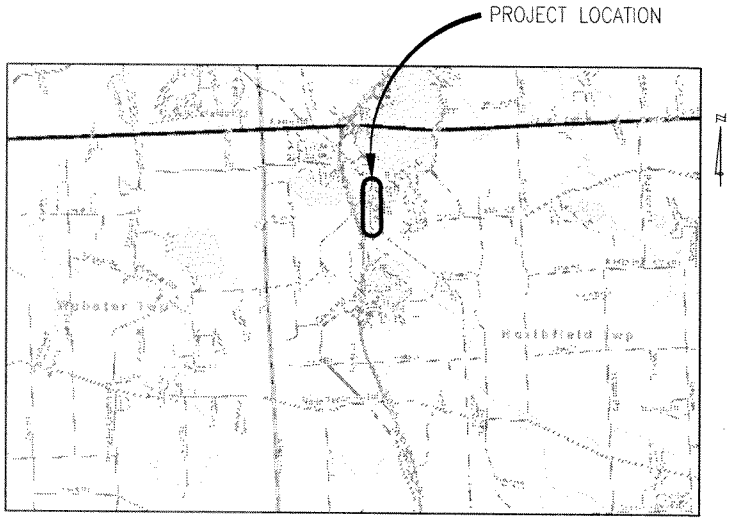
M.D.O.T. STANDARD PLANS	
TITLE	PLAN NO.
SIDEWALK RAMP DETAILS	R-28-I
CONCRETE CURB AND CONCRETE CURB & GUTTER	R-30-G
SOIL EROSION AND SEDIMENTATION CONTROL	R-96-E
TEMPORARY TRAFFIC CONTROL DEVICES	WZD-125-E

GENERAL PROVISIONS

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE PROPOSAL AND ACCOMPANYING SPECIFICATIONS FOR THIS PROJECT INCLUDING THE 2012 MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, AASHTO'S 2011 A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS.

THE LOCATION OF ALL PUBLIC UTILITIES SHOWN ON THESE PLANS IS TAKEN FROM THE BEST AVAILABLE DATA. THE WASHTENAW COUNTY ROAD COMMISSION AND NORTHFIELD TOWNSHIP WILL NOT BE RESPONSIBLE FOR ANY OMISSION OR VARIATION FROM THE LOCATIONS SHOWN. PURSUANT TO ACT 53 OF THE P.A. OF 1974, AS A CONDITION OF THIS CONTRACT, NOTICE SHALL BE GIVEN TO MISS DIG PRIOR TO UNDERGROUND WORK TO BE PERFORMED IN ACCORDANCE WITH THIS CONTRACT. PHONE (800) 482-7171 OR 811. UTILITY SERVICE CONNECTIONS ARE NOT SHOWN ON THE PLANS AND ARE NOT THE RESPONSIBILITY OF THE ROAD COMMISSION.

THE ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON NAVD 1988 VERTICAL DATUM.



LOCATION MAP

N.T.S.

APPLICATION DATE	PERMITS	APPROVAL DATE
	WCWRC SOIL EROSION PERMIT	
	WCRC R.O.W. PERMIT	

BOARD MEMBERS

MARILYN ENGSTROM
• SUPERVISOR •

ANGELA WESTOVER
• CITY CLERK •

KATHY BRAUN
• TREASURER •

WAYNE DOCKETT
JACKI OTTO
TRACY THOMAS
JANET CHICK
• TRUSTEES •

HOWARD FINK
MANAGER •

DRAFT NOT FOR CONSTRUCTION

CONTRACT FOR: APPROXIMATELY 850 FEET OF 5'-WIDE CONCRETE SIDEWALK FROM 8868 N. MAIN STREET TO WESTBROOK ROAD

OHM
Advancing Communities
34000 Plymouth Road | Livonia, MI 48150
p (734) 522-6711 | f (734) 522-6427

PREPARED UNDER THE SUPERVISION OF:

53603
Registration No.

JACOB RUSHLOW — Date

REVISIONS

PROJECT NO.	SHEET NO.
0161-15-0020	1 OF 5

GENERAL PROVISIONS

THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND THE CHARTER TOWNSHIP OF YPSILANTI ENGINEERING DESIGN STANDARDS EXCEPT AS NOTED HEREIN AND IN THE PROPOSAL BOOK.

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN SUCH A MANNER TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL CODES FOR NOISE LEVELS, VIBRATIONS, OR ANY OTHER RESTRICTIONS WHILE REMOVING PAVEMENT OR FOR ANY OTHER CONSTRUCTION OPERATIONS WITHIN THIS CONTRACT TO BE INCLUDED IN THE RESPECTIVE ITEM OF WORK.

THE CONTRACTOR SHALL NOT ENTER UPON PRIVATE PROPERTY FOR ANY PURPOSE WITHOUT OBTAINING WRITTEN PERMISSION, AND HE/SHE SHALL BE RESPONSIBLE FOR PRESERVATION OF ALL PUBLIC PROPERTY, TREES, MONUMENTS, ETC. ALONG AND ADJACENT TO THE STREET AND/OR RIGHT OF WAY, AND SHALL USE EVERY PRECAUTION NECESSARY TO PREVENT DAMAGE OR INJURY THERETO. HE/SHE SHALL USE SUITABLE PRECAUTIONS TO PREVENT DAMAGE TO PIPES, CONDUITS, AND OTHER UNDERGROUND STRUCTURES AND SHALL PROTECT CAREFULLY FROM DISTURBANCE OR DAMAGE ALL MONUMENTS AND PROPERTY MARKERS UNTIL THE ENGINEER OR AUTHORIZED AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION AND SHALL NOT REMOVE THEM UNTIL DIRECTED.

THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE LOCAL FIRE AND POLICE DEPARTMENTS 24 HOURS IN ADVANCE OF CONSTRUCTION PHASING REQUIRED FOR WORK SUCH AS FOR SEWER, CULVERT CROSSINGS AND ROADWAY EXCAVATION.

UTILITIES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, THE CONTRACTOR SHALL DIAL 1-800-482-7171, OR 811, A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM. UTILITY LOCATIONS SHOWN ON THE PLANS ARE ONLY APPROXIMATE AND SHOULD BE LOCATED IN THE FIELD BEFORE EXCAVATING IN THE AREA.

TELEPHONE

AT&T
ATTN:
54 N. MILL ST/BOX 35
PONTIAC, MI 48343
PHONE: (248) 456-9751
EMAIL: gl2968@att.com

CABLE

CHARTER COMMUNICATIONS
ATTN: DAN BIELACZYC
1392 TRADE CENTER DRIVE
TRAVERSE CITY, MI 49696
PHONE: (231) 941-3819
EMAIL: dan.bielaczyc@charter.com

ELECTRIC TRANSMISSION

DTE, ELECTRIC
ATTN:

PHONE:
EMAIL:

SEWER

NORTHFIELD TOWNSHIP UTILITY DEPARTMENT
ATTN:

PHONE:
EMAIL:

GAS

CONSUMER'S ENERGY
ATTN:
530 WILLOW STREET
LANSING, MI 48909
PHONE:
EMAIL:

SOIL BORINGS AND/OR PAVEMENT CORES

THE SOIL BORING LOCATION ON THE CONSTRUCTION SHEETS REPRESENTS POINT INFORMATION. PRESENTATION OF THIS INFORMATION IN NO WAY INFERS THAT SUBSURFACE CONDITIONS ARE THE SAME AT LOCATIONS OTHER THAN THE EXACT LOCATION OF THE BORING. SOIL BORING LOGS CAN BE FOUND ON SHEET 15 AND APPENDIX A OF THE CONTRACT BOOK.

DUST CONTROL

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON THIS PROJECT. KEEPING DUST TO A MINIMUM IS HIGH PRIORITY AND WILL BE EXPECTED TO BE MAINTAINED ON A REGULAR BASIS. DUST CONTROL WILL BE CONSIDERED INCIDENTAL TO THE PROJECT.

SAWCUTS

THE CONTRACTOR SHALL SAWCUT THE EXISTING CONCRETE AND/OR HMA PAVEMENT AND DRIVEWAYS TO THE LIMITS OF PROPOSED CONSTRUCTION, TO MAKE A NEAT AND SMOOTH CONNECTION TO THE EXISTING PAVEMENT OR DRIVEWAY AS REQUIRED AND DIRECTED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE BID FOR OTHER REMOVAL ITEMS.

FLAGGING OPERATIONS

THE CONTRACTOR AND ANY SUBCONTRACTORS WHO WILL BE USING A FLAGGING OPERATION FOR THIS PROJECT SHALL BE REQUIRED TO PROVIDE SATISFACTORY DOCUMENTATION PROVING THAT THEY HAVE MET THE MINIMUM REQUIREMENTS SET FORTH IN SECTION 812 OF THE 2012 MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION. FAILURE TO PROVIDE DOCUMENTATION WILL RESULT IN THE ROAD AUTHORITY WITHHOLDING PAYMENT FOR FLAGGING OPERATIONS.

ALL FLAGGING, SIGNAGE AND TYPE III BARRICADES SHALL BE PLACED DURING CONSTRUCTION AND SHALL BE PAID FOR AS "Minor Traf Devices".

CONCRETE PAVEMENT CRACK SEALING

THE CONTRACTOR SHALL CRACK SEAL CONCRETE PAVEMENT AS DIRECTED BY THE ENGINEER. THIS INCLUDES SELECT AREAS WITHIN THE PROJECT LIMITS AND SOME AREAS OUTSIDE OF THE PROJECT LIMITS AT THE CIVIC CENTER ENTRANCE. QUANTITY IS SHOWN ON THIS SHEET. SEE METHOD OF PAYMENT FOR INSTALLATION INSTRUCTIONS.

TREE REMOVAL

CONTRACTOR SHALL MEET ENGINEER IN FIELD TO DETERMINE AND FINALIZE ALL TREE REMOVALS AND CLEARING LIMITS PRIOR TO COMMENCING WORK.

MISCELLANEOUS

AS DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL REPAIR OR REPLACE ANY UNDERGROUND ELECTRICAL AND HANDHOLES DAMAGED BY THE CONTRACTOR OR THEIR SUBCONTRACTORS. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS ACTIVITY.

ANY SEWER AND/OR CURB STOP BOXES LOCATED IN SIDEWALK OR DRIVEWAYS SHALL BE ADJUSTED TO MEET PROPOSED ELEVATIONS.

LAWN SPRINKLER SYSTEMS AND LANDSCAPING

IT IS NOT ANTICIPATED THAT THERE IS EXISTING IRRIGATION, HOWEVER, OWNERS OF EXISTING LAWN SPRINKLER SYSTEMS AND/OR LANDSCAPING SHALL BE NOTIFIED (IN WRITING WITH A COPY SENT TO THE ENGINEER) BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF ANY WORK TO BE DONE THAT WILL AFFECT THOSE SYSTEMS AND/OR LANDSCAPING. IF THE PROPERTY OWNER FAILS TO RELOCATE THE LAWN SPRINKLER SYSTEM PRIOR TO THE CONTRACTOR BEGINNING WORK, AND IF THE CONTRACTOR CUTS THE SYSTEM DURING CONSTRUCTION, THE CONTRACTOR SHALL CAP THE SYSTEM PIPE AND WITNESS THE LOCATION OF THE CAP WITH A WOODEN STAKE FOR THE PROPERTY OWNERS USE. THE CONTRACTOR SHALL PLACE THE SALVAGED SPRINKLER HEADS ON THE PROPERTY OWNERS PROPERTY. IF THE PROPERTY OWNER FAILS TO RELOCATE THE LANDSCAPING PRIOR TO THE CONTRACTOR BEGINNING WORK, THE CONTRACTOR SHALL CAREFULLY SALVAGE THE LANDSCAPING ITEMS AND STOCKPILE THEM ON THE PROPERTY OWNERS PROPERTY FOR THE PROPERTY OWNER. ANY OTHER MODIFICATION TO THE LAWN SPRINKLER SYSTEMS AND/OR LANDSCAPING, IS THE RESPONSIBILITY OF THE OWNER AND IS NOT PART OF THIS CONTRACT. THIS WORK AND ALL REQUIRED COMMUNICATION AND COORDINATION WITH THE OWNER IS INCLUDED IN THE MACHINE GRADING PAY ITEM.

EARTHWORK & GRADING

THE CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIAL AT A SITE OUTSIDE OF THE PROJECT LIMITS, OR AS APPROVED BY THE ENGINEER. NO SEPARATE PAYMENT WILL BE MADE FOR LOADING, HAULING, OR DISPOSING OF THE EXCAVATED UNSUITABLE MATERIALS, BUT SHALL BE INCLUDED IN THE COST OF MACHINE GRADING.

ALL NATURAL SOIL LEFT IN PLACE, IN CUT SECTIONS, SHALL BE COMPACTED TO NOT LESS THAN 95 PERCENT OF MAXIMUM UNIT WEIGHT TO A MINIMUM DEPTH OF 12 INCHES.

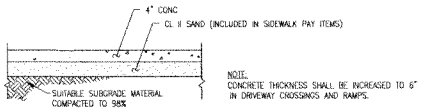
THROUGHOUT THE PROJECT, NO UNDERCUTS OR TRENCHES WILL BE LEFT OPEN AND UNBACKFILLED DURING EACH NIGHT OR NON-WORKING HOURS.

SAWING FOR PAVEMENT REMOVAL SHALL BE INCLUDED IN THE ITEM OF PAVEMENT AND SIDEWALK REMOVAL.

ALL SLOPES SHALL BE FINISHED AS CLASS A SLOPES. BACKFILL BEHIND ALL PROPOSED CURB WITH SOUND EARTH FILL AS SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER IS INCLUDED IN THE PLAN QUANTITY FOR MACHINE GRADING.

HOURS OF OPERATION

WORK MAY BE PERFORMED DURING THE HOURS OF 7:00 AM TO 7:00 PM, MONDAY THROUGH SATURDAY ONLY. WORK AT OTHER TIMES MAY BE PERFORMED ONLY BY WRITTEN PERMISSION OF THE OWNER.



TYPICAL SIDEWALK CROSS SECTION
NOT TO SCALE

OHM
ARCHITECTS ENGINEERS PLANNERS
34000 Plymouth Road
Livonia, MI 48150
P (734) 522-6711 | F (734) 522-6427
OHM-ADVISORS.COM

DRAFT NOT FOR CONSTRUCTION

SHEET: PROJ.ENGR: PHC | DRAWN: JR | CHK'D: JH | DATE: 06/15/2015

COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
GENERAL NOTES

SHEET 2 OF 5

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DRAWINGS PLOTTED: Jun 12, 2015 - 2:15pm
G:\CDBG\Washtenaw County\Projects\15002070\Civil\Sheets\15002070-GENERAL.dwg

WATER & SEWER UTILITY SYMBOLS

EXISTING

- ST — STORM MANHOLE
- SQUARE CATCH BASIN
- ROUND CATCH BASIN
- CULVERT
- CULVERT W/O END SECTION
- CULVERT W/END SECTION
- S — SANITARY MANHOLE
- CO — CLEAN OUT
- GW — GATE VALVE & WELL
- GATE VALVE & BOX
- W — WATER STOP BOX
- FIRE HYDRANT
- MP — METER PIT
- WATER METER
- SPRINKLER HEAD
- IRRIGATION VALVE

PROPOSED

- STORM MANHOLE
- INLET/CATCH BASIN
- CULVERT END SECTION
- SANITARY MANHOLE
- GV&W — GATE VALVE & WELL
- GV&B — GATE VALVE & BOX
- TSV&W — TAPPING SLEEVE VALVE & WELL
- TSV&B — TAPPING SLEEVE VALVE & BOX
- FIRE HYDRANT

REAL ESTATE SYMBOLS

- CONTIGUOUS PROPERTY SYMBOL
- XXXXX — PARCEL NUMBER BOX
- XXXX — NO ROW IMPACTS

MISCELLANEOUS UTILITY SYMBOLS

EXISTING

- GUY WIRE
- GP — GUY POLE
- UTILITY POLE
- UTILITY POLE W/LIGHT
- LIGHT/DECOR LAMP POLE
- FLOOD LIGHT
- GAS VALVE
- GV — GAS VENT
- G — GAS METER
- GAS RISER
- TRAFFIC SIGNAL
- P — PEDESTRIAN RISER
- E — TRANSFORMER PAD
- U — PRIVATE UTILITY MANHOLE
- RR — RAILROAD CROSSING
- E — ELECTRIC METER
- PB — PHONE BOOTH
- TS — TRAFFIC SIGNAL CONTROLLER
- HAND HOLE
- E — ELECTRIC RISER
- T — TELEPHONE RISER
- C — CABLE TV RISER
- W — MONITORING WELL
- UNDERGROUND MARKER

MISCELLANEOUS SYMBOLS

EXISTING

- RIPRAP
- SIGN
- FLOW DIRECTION
- STUMP
- WETLAND
- CONIFEROUS TREE — CL 1: 1" TO 5", CL 2: 6" TO 17", CL 3: 18" TO 30", CL 4: 36" AND UP
- DECIDUOUS TREE — CL 1: 1" TO 5", CL 2: 6" TO 17", CL 3: 18" TO 30", CL 4: 36" AND UP
- CONIFEROUS SHRUB
- DECIDUOUS SHRUB
- SB# — SOIL BORING
- SECTION CORNER
- MON — MONUMENT
- IRON ROD/PIPE
- PK — PK NAIL
- BM# — BENCHMARK
- TP# — TRAVERSE POINT
- MAIL/NEWSPAPER BOX
- FP — FLAG POLE
- POST
- HAZARDOUS OR FLAMMABLE MATERIAL — USED WITH UNDERGROUND GAS & ELECTRICAL LINES
- CAUTION – CRITICAL UNDERGROUND UTILITY — USED WITH TELEPHONE & FIBER OPTIC LINES

PROPOSED

- RIPRAP
- SIGN
- FLOW DIRECTION
- STRUCTURE NUMBER — WM SAN STM
- ADA SIDEWALK RAMP

UTILITY PATTERN

EXISTING

- ELEC — ELECTRICAL *
- 6" (COMPANY) GAS — GAS\OIL
- (COMPANY) CABLE/TEL — CABLE/TELEPHONE *
- FIBER OPTIC — FIBER OPTIC *
- 12" WM — WATER
- 12" SAN — SANITARY
- 12" STM — STORM

PROPOSED

- 12" — STORM/SANITARY/WATER
- 12" — PRIMARY UTILITY WILL HAVE A CONTINUOUS LINESTYLE, WITH THE SECONDARY UTILITY MATCHING ITS RESPECTIVE EXISTING UTILITY LINESTYLE

*OH = OVERHEAD , UG = UNDERGROUND

ROW PATTERN

EXISTING

- ROW — ROW
- SECTION
- PROPERTY/PARCEL

PROPOSED

- ROW — ROW

TOPO PATTERN

EXISTING

- HEDGE/TREE
- FENCE
- GUARDRAIL
- CENTERLINE OF DITCH
- RAILROAD
- WETLAND/EDGE OF WATER

PROPOSED

- GRADING LIMIT (SLOPE STAKE)
- CENTERLINE OF DITCH
- GUARDRAIL
- FENCE

REMOVAL LEGEND

- SIDEWALK REMOVAL
- HMA SURFACE REMOVAL
- PAVEMENT REMOVAL
- COLD MILLING HMA SURFACE
- HMA BASE CRUSHING AND SHAPING
- EXCAVATION, EARTH, MODIFIED
- CURB AND GUTTER, REM
- TREE, REM
- S-[XXXXXX] — SALVAGE
- B-[XXXXXX] — BULKHEAD
- A-[XXXXXX] — ABANDON
- R-[XXXXXX] — REMOVE
- ADJ-[XXXXXX] — ADJUST
- REL-[XXXXXX] — RELOCATE
- REC-[XXXXXX] — RECONSTRUCT
- R B/O-[XXXXXX] — REMOVE BY OTHERS
- ADJ B/O-[XXXXXX] — ADJUST BY OTHERS
- REL B/O-[XXXXXX] — RELOCATE BY OTHERS

IF NECESSARY FOR CLARITY

- (S) — SALVAGE
- (B) — BULKHEAD
- (A) — ABANDON
- (C) — CLEARING
- (R) — REMOVE
- (REL) — RELOCATE
- (REC) — RECONSTRUCT
- (REL B/O) — RELOCATE BY OTHERS
- (ADJ B/O) — ADJUST BY OTHERS

SPECIAL LEGEND

- (L) — LANDING
- (R) — RAMP

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Livonia, MI 48150
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COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
LEGEND

SHEET 3 OF 5

DRAWING PATH: P:\PROJECTS\2015\15000\Main St CDBG Sidewalk\Drawings\Civil\Misc\150000CIVIL03.dwg Jan 12, 2016 - 2:19pm
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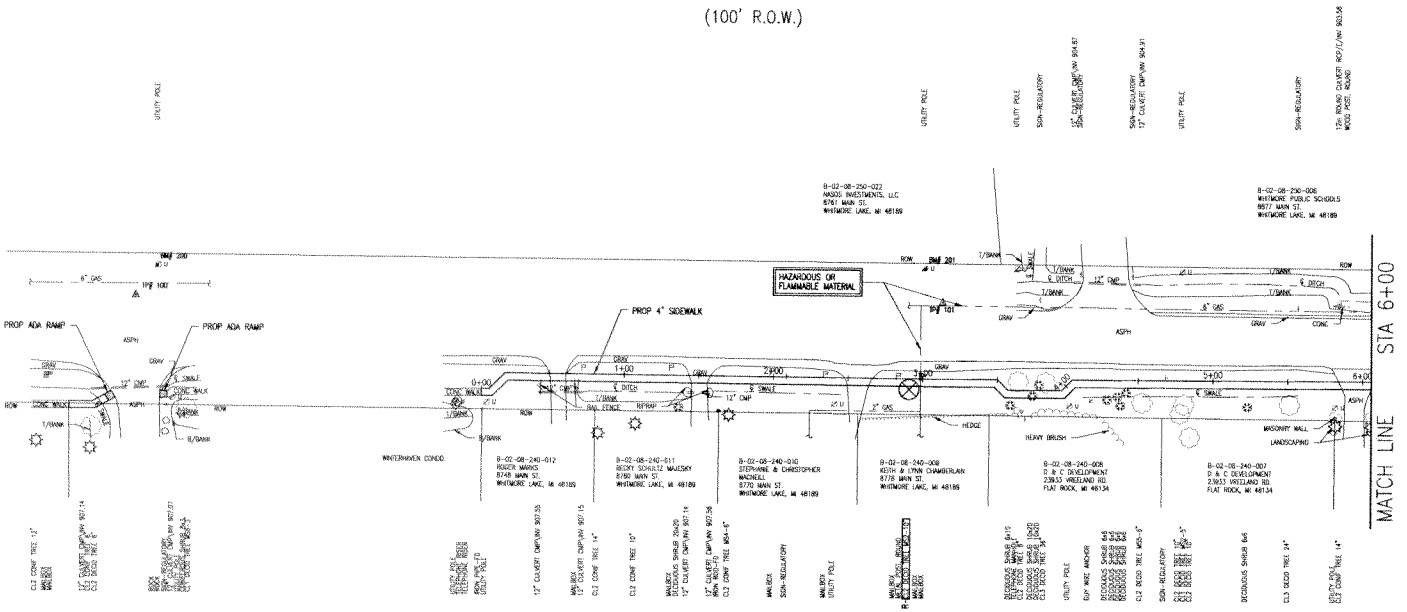
JOB BENCHMARK @201
SET BENCH TIE IN W THE E SIDE OF WD UTILITY POLE, W SIDE OF MAIN ST 1ST POLE N OF "OAK QUEST" AUTO PARTS
ELEV 909.24

JOB BENCHMARK @301
SET BENCH TIE IN E SIDE OF WD UTIL POLE, W SIDE OF MAIN ST, IN FRONT OF "AAA SERVICE NETWORK" BLDG
ELEV 909.20

TRAVERSE POINT #102
N 332456.42
E 1326888.01 ELEV 908.71

TRAVERSE POINT #101
N 332844.26
E 1326868.42 ELEV 908.02

MAIN STREET
(100' R.O.W.)



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Livonia, MI 48150
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DATE	PROJ NUMBER	ENG	PROJ MGR	CADD	COUNTY	DRAWING NUMBER	SCALE	HORIZ DATUM	VERT DATUM
	0043-14-0055	JP	JB	BM	WASHTENAW	07 MAIN_CDBG	1" = 40'	NAD83	NAVD88(FT)

COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
CONSTRUCTION PLAN

SHEET 4 OF 5

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DRAWING PATH: P:\0129_0165\0191\150020_Main_St_CDBG_Sidewalk\Drawings\Civil\Plans_Const\150020Ctm.dwg Jun 12, 2015 - 2:11pm

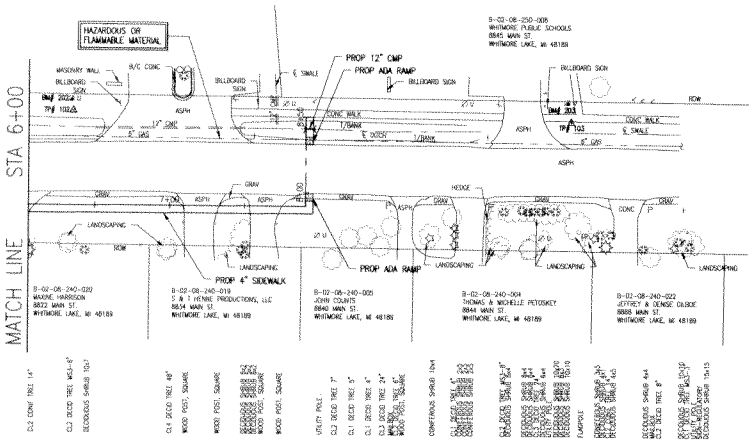
JOB BENCHMARK #202
SET BENCH TIE E. SIDE RD UTIL POLE, W SIDE OF MAIN ST. 1ST POLE S OF MAIN ENT TO "WHITMORE LAKE" SCHOOL.
ELEV 907.80

JOB BENCHMARK #203
SET COTTON SPINDLE W/ YELLOW TAG E. SIDE RD UTIL POLE, N SIDE MAIN ST. 1ST POLE W OF N ENT TO "WHITMORE LAKE" SCHOOL.
ELEV 908.75

TRAVERSE POINT #102
N. 333312.82
E. 1328867.84
ELEV 906.94

TRAVERSE POINT #103
N. 333845.14
E. 1328852.86
ELEV 907.93

MAIN STREET
(100' R.O.W.)



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DATE	PROJ NUMBER	DRG	PROJ MGR	CADD	DSGN	CITY/VILLAGE/TOWNSHIP	SCALE	HORIZ DATUM	VERT DATUM
09/11/2015		JS	JS	BG	MGH/SMH	NORTHFIELD	H: 1"=5' V: 1"=2'	NAD83/2011	NAVD88

COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
CONSTRUCTION PLAN

SHEET	
	5 OF 5

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DRAWING PATH: P:\2015\15-0185\15-0185_Main St. CDBG Sidewalk\Drawings\Civil\Plans_Cover\150185CVCN.dwg Jul 12, 2015 - 2:19pm

Howard Fink

From: Smith, Bryan [Bryan.Smith@ohm-advisors.com]
Sent: Wednesday, July 01, 2015 3:31 PM
To: voghtn@ewashtenaw.org
Cc: Howard Fink; streightg@wcroads.org; Rushlow, Jacob
Subject: Main Street CDBG Sidewalk 80% Alignment

All,

I wanted to give a quick update on the project. We had our sidewalk crossing reviewed by our traffic engineers, and we were recommended to slide the crossing north a bit to create less conflicts with the school's outbound drive. You'll see this reflected on the attached plans. In addition, we have slightly re-routed the sidewalk to further pull it away from the road in areas where possible, and avoid additional removals.

We are still waiting to hear from the school, and if that conversation prompts any changes, we will keep everyone up-to-date. In addition, if anyone has any thoughts on the cost estimate provided by Jacob on 6/23, please feel free to let me know – Jacob is out until 7/6.

Thanks – let me know if there are any questions or concerns.

Bryan Smith, EIT
GRADUATE ENGINEER

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F 734.522.6427
D 734.466.4520

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Howard Fink

From: Smith, Bryan [Bryan.Smith@ohm-advisors.com]
Sent: Monday, July 06, 2015 9:31 AM
To: voghtn@ewashtenaw.org
Cc: Howard Fink; streightg@wcroads.org; Rushlow, Jacob
Subject: RE: Main Street CDBG Sidewalk 80% Alignment
Attachments: MAIN STREET CDBG SIDEWALK - 90% alignment.pdf

Please find the attached plans. Let me know what you think. Thanks.

Bryan Smith, EIT
GRADUATE ENGINEER

OHM Advisors

From: Smith, Bryan
Sent: Wednesday, July 01, 2015 3:31 PM
To: 'voghtn@ewashtenaw.org'
Cc: Howard Fink; 'streightg@wcroads.org'; Rushlow, Jacob
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TOWNSHIP OF NORTHFIELD

IN COOPERATION WITH

WASHTENAW COUNTY ROAD COMMISSION

MAIN STREET CDBG SIDEWALK

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	COVER
2	GENERAL NOTES
3	LEGEND
4-5	CONSTRUCTION PLAN

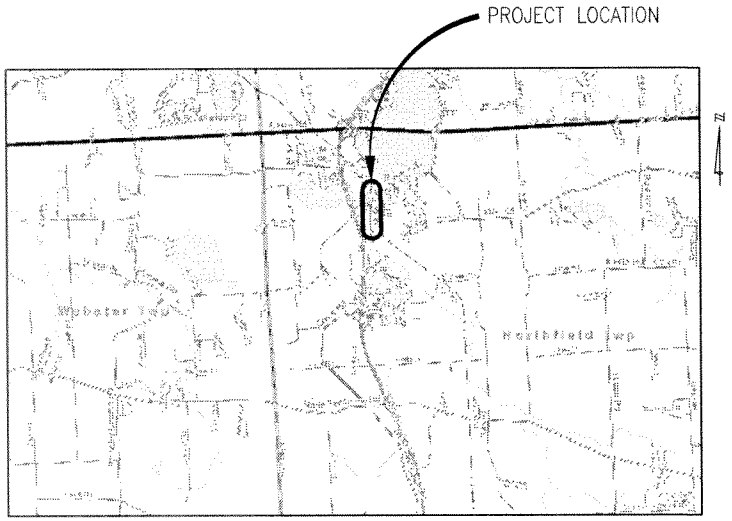
M.D.O.T. STANDARD PLANS	
TITLE	PLAN NO.
SIDEWALK RAMP DETAILS	R-28-I
CONCRETE CURB AND CONCRETE CURB & GUTTER	R-30-G
SOIL EROSION AND SEDIMENTATION CONTROL	R-96-E
TEMPORARY TRAFFIC CONTROL DEVICES	WZD-125-E

GENERAL PROVISIONS

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE PROPOSAL AND ACCOMPANYING SPECIFICATIONS FOR THIS PROJECT INCLUDING THE 2012 MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, AASHTO'S 2011 A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS.

THE LOCATION OF ALL PUBLIC UTILITIES SHOWN ON THESE PLANS IS TAKEN FROM THE BEST AVAILABLE DATA. THE WASHTENAW COUNTY ROAD COMMISSION AND NORTHFIELD TOWNSHIP WILL NOT BE RESPONSIBLE FOR ANY OMISSION OR VARIATION FROM THE LOCATIONS SHOWN. PURSUANT TO ACT 53 OF THE P.A. OF 1974, AS A CONDITION OF THIS CONTRACT, NOTICE SHALL BE GIVEN TO MISS DIG PRIOR TO UNDERGROUND WORK TO BE PERFORMED IN ACCORDANCE WITH THIS CONTRACT, PHONE (800) 482-7171 OR 811. UTILITY SERVICE CONNECTIONS ARE NOT SHOWN ON THE PLANS AND ARE NOT THE RESPONSIBILITY OF THE ROAD COMMISSION.

THE ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON NAVD 1988 VERTICAL DATUM.



LOCATION MAP

N.T.S.

APPLICATION DATE	PERMITS	APPROVAL DATE
	WCWRC SOIL EROSION PERMIT	
	WCRC R.O.W. PERMIT	

BOARD MEMBERS

MARILYN ENGSTROM
• SUPERVISOR •

ANGELA WESTOVER
• CITY CLERK •

KATHY BRAUN
• TREASURER •

WAYNE DOCKETT
JACKI OTTO
TRACY THOMAS
JANET CHICK
• TRUSTEES •

HOWARD FINK
MANAGER •

DRAFT NOT FOR CONSTRUCTION

CONTRACT FOR: APPROXIMATELY 850 FEET OF 5'-WIDE CONCRETE SIDEWALK FROM 8888 N. MAIN STREET TO WESTBROOK ROAD

OHM
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34000 Plymouth Road | Livonia, MI 48150
p (734) 522-6711 | f (734) 522-6427

PREPARED UNDER THE SUPERVISION OF:

53603
Registration No.

JACOB RUSHLOW

Date

REVISIONS

PROJECT NO.	SHEET NO.
0161-15-0020	1 OF 5

GENERAL PROVISIONS

THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND THE CHARTER TOWNSHIP OF YPSILANTI ENGINEERING DESIGN STANDARDS EXCEPT AS NOTED HEREIN AND IN THE PROPOSAL BOOK.

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN SUCH A MANNER TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL CODES FOR NOISE LEVELS, VIBRATIONS, OR ANY OTHER RESTRICTIONS WHILE REMOVING PAVEMENT OR FOR ANY OTHER CONSTRUCTION OPERATIONS WITHIN THIS CONTRACT TO BE INCLUDED IN THE RESPECTIVE ITEM OF WORK.

THE CONTRACTOR SHALL NOT ENTER UPON PRIVATE PROPERTY FOR ANY PURPOSE WITHOUT OBTAINING WRITTEN PERMISSION, AND HE/SHE SHALL BE RESPONSIBLE FOR PRESERVATION OF ALL PUBLIC PROPERTY, TREES, MONUMENTS, ETC. ALONG AND ADJACENT TO THE STREET AND/OR RIGHT OF WAY, AND SHALL USE EVERY PRECAUTION NECESSARY TO PREVENT DAMAGE OR INJURY THERETO. HE/SHE SHALL USE SUITABLE PRECAUTIONS TO PREVENT DAMAGE TO PIPES, CONDUITS, AND OTHER UNDERGROUND STRUCTURES AND SHALL PROTECT CAREFULLY FROM DISTURBANCE OR DAMAGE ALL MONUMENTS AND PROPERTY MARKERS UNTIL THE ENGINEER OR AUTHORIZED AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION AND SHALL NOT REMOVE THEM UNTIL DIRECTED.

THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE LOCAL FIRE AND POLICE DEPARTMENTS 24 HOURS IN ADVANCE OF CONSTRUCTION PHASING REQUIRED FOR WORK SUCH AS FOR SEWER, CULVERT CROSSINGS AND ROADWAY EXCAVATION.

UTILITIES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, THE CONTRACTOR SHALL DIAL 1-800-482-7171, OR 811, A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM. UTILITY LOCATIONS SHOWN ON THE PLANS ARE ONLY APPROXIMATE AND SHOULD BE LOCATED IN THE FIELD BEFORE EXCAVATING IN THE AREA.

TELEPHONE

AT&T
ATTN:
54 N. MILL ST/BOX 35
PONTIAC, MI 48342
PHONE: (248) 456-9751
EMAIL: gl7266@att.com

CABLE

CHARTER COMMUNICATIONS
ATTN: DAN BIELACZYC
1392 TRADE CENTER DRIVE
TRAVERSE CITY, MI 49696
PHONE: (231) 941-3819
EMAIL: dan.bielaczyc@charter.com

ELECTRIC TRANSMISSION

DTE, ELECTRIC
ATTN:

PHONE:
EMAIL:

SEWER

NORTHFIELD TOWNSHIP UTILITY DEPARTMENT
ATTN:

PHONE:
EMAIL:

GAS

CONSUMER'S ENERGY
ATTN:
530 WILLOW STREET
LANSING, MI 48909
PHONE:
EMAIL:

SOIL BORINGS AND/OR PAVEMENT CORES

THE SOIL BORING LOCATION ON THE CONSTRUCTION SHEETS REPRESENTS POINT INFORMATION. PRESENTATION OF THIS INFORMATION IN NO WAY IMPLIES THAT SUBSURFACE CONDITIONS ARE THE SAME AT LOCATIONS OTHER THAN THE EXACT LOCATION OF THE BORING. SOIL BORING LOGS CAN BE FOUND ON SHEET 15 AND APPENDIX A OF THE CONTRACT BOOK.

DUST CONTROL

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON THIS PROJECT. KEEPING DUST TO A MINIMUM IS HIGH PRIORITY AND WILL BE EXPECTED TO BE MAINTAINED ON A REGULAR BASIS. DUST CONTROL WILL BE CONSIDERED INCIDENTAL TO THE PROJECT.

SAWCUTS

THE CONTRACTOR SHALL SAWCUT THE EXISTING CONCRETE AND/OR HMA PAVEMENT AND DRIVEWAYS TO THE LIMITS OF PROPOSED CONSTRUCTION, TO MAKE A NEAT AND SMOOTH CONNECTION TO THE EXISTING PAVEMENT OR DRIVEWAY AS REQUIRED AND DIRECTED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE BID FOR OTHER REMOVAL ITEMS.

FLAGGING OPERATIONS

THE CONTRACTOR AND ANY SUBCONTRACTORS WHO WILL BE USING A FLAGGING OPERATION FOR THIS PROJECT SHALL BE REQUIRED TO PROVIDE SATISFACTORY DOCUMENTATION PROVING THAT THEY HAVE MET THE MINIMUM REQUIREMENTS SET FORTH IN SECTION 812 OF THE 2012 MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION. FAILURE TO PROVIDE DOCUMENTATION WILL RESULT IN THE ROAD AUTHORITY WITHHOLDING PAYMENT FOR FLAGGING OPERATIONS.

ALL FLAGGING, SIGNAGE AND TYPE III BARRICADES SHALL BE PLACED DURING CONSTRUCTION AND SHALL BE PAID FOR AS "Minor Traffic Devices".

CONCRETE PAVEMENT CRACK SEALING

THE CONTRACTOR SHALL CRACK SEAL CONCRETE PAVEMENT AS DIRECTED BY THE ENGINEER. THIS INCLUDES SELECT AREAS WITHIN THE PROJECT LIMITS AND SOME AREAS OUTSIDE OF THE PROJECT LIMITS AT THE CIVIC CENTER ENTRANCE. QUANTITY IS SHOWN ON THIS SHEET. SEE METHOD OF PAYMENT FOR INSTALLATION INSTRUCTIONS.

TREE REMOVAL

CONTRACTOR SHALL MEET ENGINEER IN FIELD TO DETERMINE AND FINALIZE ALL TREE REMOVALS AND CLEARING LIMITS PRIOR TO COMMENCING WORK.

MISCELLANEOUS

AS DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL REPAIR OR REPLACE ANY UNDERGROUND ELECTRICAL AND HANDHOLES DAMAGED BY THE CONTRACTOR OR THEIR SUBCONTRACTORS. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS ACTIVITY.

ANY SEWER AND/OR CURB STOP BOXES LOCATED IN SIDEWALK OR DRIVEWAYS SHALL BE ADJUSTED TO MEET PROPOSED ELEVATIONS.

LAWN SPRINKLER SYSTEMS AND LANDSCAPING

IT IS NOT ANTICIPATED THAT THERE IS EXISTING IRRIGATION, HOWEVER, OWNERS OF EXISTING LAWN SPRINKLER SYSTEMS AND/OR LANDSCAPING SHALL BE NOTIFIED (IN WRITING WITH A COPY SENT TO THE ENGINEER) BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF ANY WORK TO BE DONE THAT WILL AFFECT THOSE SYSTEMS AND/OR LANDSCAPING. IF THE PROPERTY OWNER FAILS TO RELOCATE THE LAWN SPRINKLER SYSTEM PRIOR TO THE CONTRACTOR BEGINNING WORK, AND IF THE CONTRACTOR CUTS THE SYSTEM DURING CONSTRUCTION, THE CONTRACTOR SHALL CAP THE SYSTEM PIPE AND WITNESS THE LOCATION OF THE CAP WITH A WOODEN STAKE FOR THE PROPERTY OWNERS USE. THE CONTRACTOR SHALL PLACE THE SALVAGED SPRINKLER HEADS ON THE PROPERTY OWNERS PROPERTY, IF THE PROPERTY OWNER FAILS TO RELOCATE THE LANDSCAPING PRIOR TO THE CONTRACTOR BEGINNING WORK, THE CONTRACTOR SHALL CAREFULLY SALVAGE THE LANDSCAPING ITEMS AND STOCKPILE THEM ON THE PROPERTY OWNERS PROPERTY FOR THE PROPERTY OWNER. ANY OTHER MODIFICATION TO THE LAWN SPRINKLER SYSTEMS AND/OR LANDSCAPING, IS THE RESPONSIBILITY OF THE OWNER AND IS NOT PART OF THIS CONTRACT. THIS WORK AND ALL REQUIRED COMMUNICATION AND COORDINATION WITH THE OWNER IS INCLUDED IN THE MACHINE GRADING PAY ITEM.

EARTHWORK & GRADING

THE CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIAL AT A SITE OUTSIDE OF THE PROJECT LIMITS, OR AS APPROVED BY THE ENGINEER. NO SEPARATE PAYMENT WILL BE MADE FOR LOADING, HAULING, OR DISPOSING OF THE EXCAVATED UNSUITABLE MATERIALS, BUT SHALL BE INCLUDED IN THE COST OF MACHINE GRADING.

ALL NATURAL SOIL LEFT IN PLACE, IN CUT SECTIONS, SHALL BE COMPACTED TO NOT LESS THAN 95 PERCENT OF MAXIMUM UNIT WEIGHT TO A MINIMUM DEPTH OF 12 INCHES.

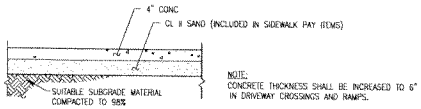
THROUGHOUT THE PROJECT, NO UNDERCUTS OR TRENCHES WILL BE LEFT OPEN AND UNBACKFILLED DURING EACH NIGHT OR NON-WORKING HOURS.

SAWING FOR PAVEMENT REMOVAL SHALL BE INCLUDED IN THE ITEM OF PAVEMENT AND SIDEWALK REMOVAL.

ALL SLOPES SHALL BE FINISHED AS CLASS A SLOPES. BACKFILL BEHIND ALL PROPOSED CURB WITH SOUND EARTH FILL AS SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER IS INCLUDED IN THE PLAN QUANTITY FOR MACHINE GRADING.

HOURS OF OPERATION

WORK MAY BE PERFORMED DURING THE HOURS OF 7:00 AM TO 7:00 PM, MONDAY THROUGH SATURDAY ONLY. WORK AT OTHER TIMES MAY BE PERFORMED ONLY BY WRITTEN PERMISSION OF THE OWNER.



TYPICAL SIDEWALK CROSS SECTION
NOT TO SCALE

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REVISIONS

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DATE	PROJ.NUMBER	ENG	PROJ.MGR	CHKD	SCALE	APPROVED/CM	ASSISTANT
09/15/2015	JR	JR	BW	MGR/TWP/VIL	AS NOTED	MGR/DEPT	MGR/PE

COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
GENERAL NOTES

SHEET 2 OF 5

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DRAWING PATH: P:\0015\0015015\0500\Main St CDBG Sidewalk\Drawings\CAD\Main-15000CVGEN.dwg JUL 31, 2015 - 2:24pm

WATER & SEWER UTILITY SYMBOLS

EXISTING

- STORM MANHOLE
- SQUARE CATCH BASIN
- ROUND CATCH BASIN
- CULVERT
- CULVERT W/O END SECTION
- CULVERT W/END SECTION
- SANITARY MANHOLE
- CLEAN OUT
- GATE VALVE & WELL
- GATE VALVE & BOX
- WATER STOP BOX
- FIRE HYDRANT
- METER PIT
- WATER METER
- SPRINKLER HEAD
- IRRIGATION VALVE

PROPOSED

- STORM MANHOLE
- INLET/CATCH BASIN
- CULVERT END SECTION
- SANITARY MANHOLE
- GATE VALVE & WELL
- GATE VALVE & BOX
- TAPPING SLEEVE VALVE & WELL
- TAPPING SLEEVE VALVE & BOX
- FIRE HYDRANT

REAL ESTATE SYMBOLS

- CONTIGUOUS PROPERTY SYMBOL
- PARCEL NUMBER BOX
- NO ROW IMPACTS

MISCELLANEOUS UTILITY SYMBOLS

EXISTING

- GUY WIRE
- GUY POLE
- UTILITY POLE
- UTILITY POLE W/LIGHT
- LIGHT/DECOR LAMP POLE
- FLOOD LIGHT
- GAS VALVE
- GAS VENT
- GAS METER
- GAS RISER
- TRAFFIC SIGNAL
- PEDESTRIAN RISER
- TRANSFORMER PAD
- PRIVATE UTILITY MANHOLE
- RAILROAD CROSSING
- ELECTRIC METER
- PHONE BOOTH
- TRAFFIC SIGNAL CONTROLLER
- HAND HOLE
- ELECTRIC RISER
- TELEPHONE RISER
- CABLE TV RISER
- MONITORING WELL
- UNDERGROUND MARKER

MISCELLANEOUS SYMBOLS

EXISTING

- RIPRAP
- SIGN
- FLOW DIRECTION
- STUMP
- WETLAND
- CONIFEROUS TREE (D. 1 1" TO 5", D. 2 6" TO 17", D. 3 18" TO 35", D. 4 36" AND UP)
- DECIDUOUS TREE (D. 1 1" TO 5", D. 2 6" TO 17", D. 3 18" TO 35", D. 4 36" AND UP)
- CONIFEROUS SHRUB
- DECIDUOUS SHRUB
- SOIL BORING
- SECTION CORNER
- MONUMENT
- IRON ROD/PIPE
- PK NAIL
- BENCHMARK
- TRAVERSE POINT
- MAIL/NEWSPAPER BOX
- FLAG POLE
- POST
- HAZARDOUS OR FLAMMABLE MATERIAL — USED WITH UNDERGROUND GAS & ELECTRICAL LINES
- CAUTION – CRITICAL UNDERGROUND UTILITY — USED WITH TELEPHONE & FIBER OPTIC LINES

PROPOSED

- RIPRAP
- SIGN
- FLOW DIRECTION
- STRUCTURE NUMBER RIM SAN STM
- ADA SIDEWALK RAMP

UTILITY PATTERN

EXISTING

- ELEC — ELECTRICAL *
- 6" (COMPANY) GAS — GAS\OIL
- (COMPANY) CABLE/TEL — CABLE/TELEPHONE *
- FIBER OPTIC — FIBER OPTIC *
- 12" WM — WATER
- 12" SAN — SANITARY
- 12" STM — STORM

PROPOSED

- 12" — STORM/SANITARY/WATER
- 12" — PRIMARY UTILITY WILL HAVE A CONTINUOUS LINESTYLE, WITH THE SECONDARY UTILITY MATCHING ITS RESPECTIVE EXISTING UTILITY LINESTYLE

*OH = OVERHEAD , UG = UNDERGROUND

ROW PATTERN

EXISTING

- ROW — ROW
- SECTION
- PROPERTY/PARCEL

PROPOSED

- ROW — ROW

TOPO PATTERN

EXISTING

- HEDGE/TREE
- FENCE
- GUARDRAIL
- CENTERLINE OF DITCH
- RAILROAD
- WETLAND/EDGE OF WATER

PROPOSED

- GRADING LIMIT (SLOPE STAKE)
- CENTERLINE OF DITCH
- GUARDRAIL
- FENCE

REMOVAL LEGEND

- SIDEWALK REMOVAL
- HMA SURFACE REMOVAL
- PAVEMENT REMOVAL
- COLD MILLING HMA SURFACE
- HMA BASE CRUSHING AND SHAPING
- EXCAVATION, EARTH, MODIFIED
- CURB AND GUTTER, REM
- TREE, REM
- S-XXXXXX — SALVAGE
- B-XXXXXX — BULKHEAD
- A-XXXXXX — ABANDON
- R-XXXXXX — REMOVE
- ADJ-XXXXXX — ADJUST
- REL-XXXXXX — RELOCATE
- REC-XXXXXX — RECONSTRUCT
- R B/O-XXXXXX — REMOVE BY OTHERS
- ADJ B/O-XXXXXX — ADJUST BY OTHERS
- REL B/O-XXXXXX — RELOCATE BY OTHERS

IF NECESSARY FOR CLARITY

- (S) SALVAGE
- (B) BULKHEAD
- (A) ABANDON
- (C) CLEARING
- (R) REMOVE
- (REL) RELOCATE
- (REC) RECONSTRUCT
- (REL B/O) RELOCATE BY OTHERS
- (ADJ B/O) ADJUST BY OTHERS

SPECIAL LEGEND

- (L) LANDING
- (R) RAMP

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34000 Plymouth Road
Livonia, MI 48150
P (734) 522-6711 | F (734) 522-6427
OHM-ADVISORS.COM

DATE	DESCRIPTION	BY
10/31/2011	ADDENDUM	MWC/RS
10/14/2011	ADDENDUM	MWC/RS

DATE	PROJ MANAGER	DESIGNED	DRAWN	CHECKED	SCALE
10/14/2011	BDG	JR	MWC/RS	JR	1" = 1'-0"

COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
LEGEND

SHEET 3 OF 5

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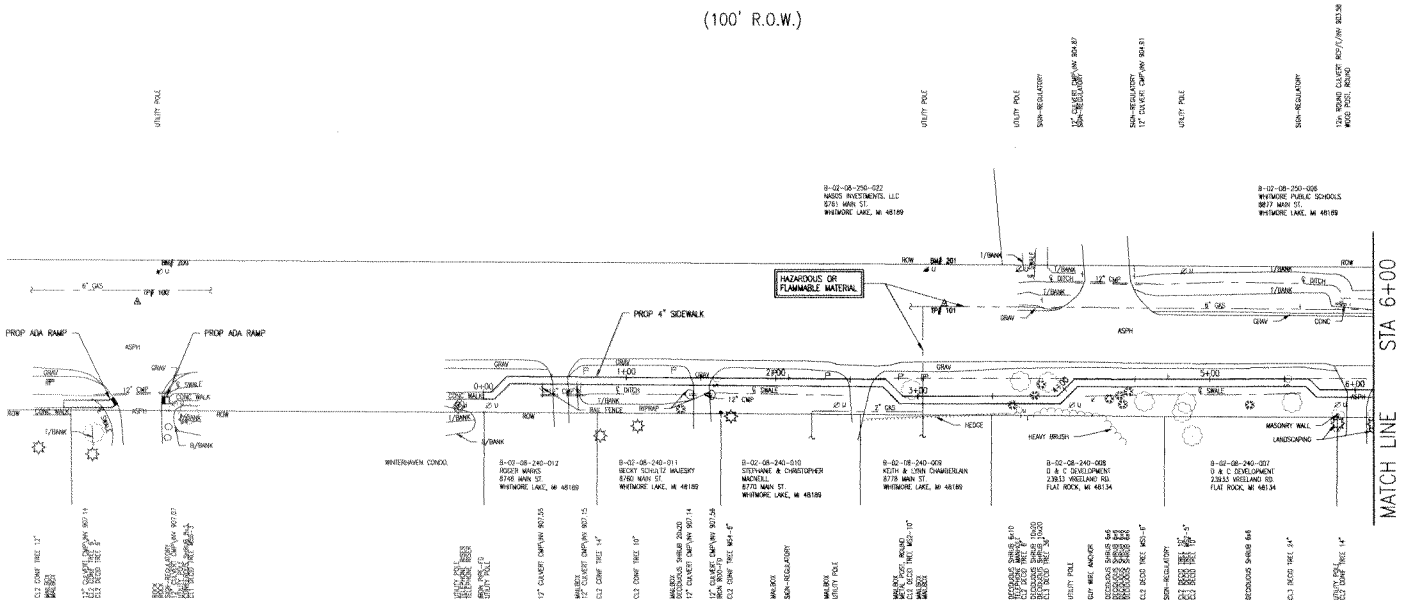
DRAWING PATH: P:\12\05\12051500\A Main St CDBG Sidewalk\Drawings\Civil\Proj-12051500-CDH-LEG.dwg, 10/31/2011 3:15:13 PM

JOB BENCHMARK #200
SET BENCH TIE IN THE L SIDE OF WO UTILITY POLE, W SIDE OF MAIN ST 151 POLE N OF "CAN QUEST" AUTO PAINTS. ELEV 909.24
JOB BENCHMARK #201
SET BENCH TIE IN L SIDE OF WO UTIL POLE, W SIDE OF MAIN ST, IN FRONT OF "AAA SERVICE NETWORK" BLDG. ELEV 908.20
TRAVERSE POINT #100
N 332456.42 E 1329660.31 ELEV 908.71
TRAVERSE POINT #101
N 332908.28 E 1329687.42 ELEV 908.02

MAIN STREET
(100' R.O.W.)



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COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
CONSTRUCTION PLAN

SHEET 4 OF 5

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DRAWING PATH: P:\PROJECTS\15000\15000_Main_St_CDBG_Sidewalk\Drawings\Civil\Plans_Current\15000CCON.dwg, Jul 01, 2015 - 3:24pm

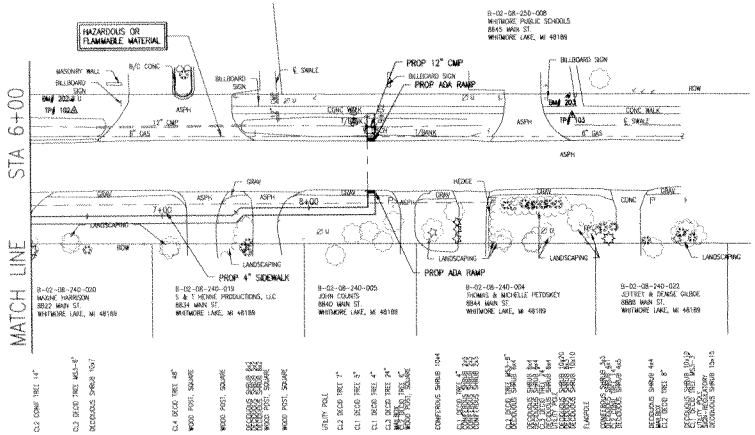
JOB BENCHMARK #005
SET BENCH TIE E SIDE WG UTIL POLE, W SIDE OF MAIN ST, 1ST POLE S OF MAIN ENT TO "WHITMORE LAKE" SCHOOL
ELEV 907.60

JOB BENCHMARK #003
SET COTTON SPINDLE W/ YELLOW TAG E SIDE WG UTIL POLE, W SIDE MAIN ST, 1ST POLE N OF N ENT TO "WHITMORE LAKE" SCHOOL
ELEV 908.75

TRAVERSE POINT #102
N 333312.82
E 1328889.84 ELEV 906.94

TRAVERSE POINT #103
N 333645.14
E 1328883.80 ELEV 907.93

MAIN STREET
(100' R.O.W.)



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COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK

CONSTRUCTION PLAN

SHEET 5 OF 5

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DRAWING PATH: P:\DTE_0185\185150\00_Main_St_CDBG_Sidewalk\Drawings\Civil\Plans_Civil\185150CON_Reg_Jul31_2015_1.2.dwg

Howard Fink

From: Rushlow, Jacob [jacob.rushlow@ohm-advisors.com]
Sent: Monday, July 06, 2015 10:28 AM
To: Howard Fink
Cc: Jennifer Carlisle
Subject: RE: Main Street Sidewalk School coordination

Hi Howard. Still looking for some assistance with contact info for the school administration related to our sidewalk crossing location. Please forward that to me when you have a minute. I copied Jennifer in case she has that information and can take care of the request. Thanks.

Jacob

From: Rushlow, Jacob
Sent: Tuesday, June 23, 2015 9:22 AM
To: Howard Fink (finkh@twp.northfield.mi.us)
Subject: Main Street Sidewalk School coordination

Howard,

Can you get me the contact info for Tom Dekyser so I can get with him regarding the Main Street sidewalk crossing location for the Middle School? Thanks!

JACOB A. Rushlow, PE
PROJECT MANAGER

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Howard Fink

From: Howard Fink [finkh@twp.northfield.mi.us]
Sent: Monday, July 06, 2015 12:54 PM
To: 'Rushlow, Jacob'
Subject: RE: Main Street Sidewalk School coordination

Hi Jacob,
It's Tom Dekyser, superintendent at the School. 734.449.4464

Thanks,
howard

Howard Fink
Northfield Township Manager
8350 Main St., Ste. A
Whitmore Lake, MI 48189
Phone: (734) 449-2880 x 12
Fax: (734) 449-0123

From: Rushlow, Jacob [mailto:jacob.rushlow@ohm-advisors.com]
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Howard Fink

From: Nathan Voght [voghtn@ewashtenaw.org]
Sent: Friday, July 10, 2015 2:57 PM
To: 'Rushlow, Jacob'; Howard Fink; Gary Streight (streightg@wcroads.org)
Cc: Smith, Bryan
Subject: RE: Main Street project estimates

All,

I think the 90% drawings seem fine. The mid-block moved north seems good. Relocating the sidewalk away from the street, where possible, is also safer.

Has anyone decided if any of the upgrades can be funded? I'm assuming that the CDBG will not allow these extras? So, would the Township be able to make up the difference?

Gary, do you see any problem with dropping in a concrete crossing of some kind? Are there feasible detour routes? Are the traffic control detour costs accurate?

One thing I didn't see priced was just straight concrete for the crosswalk. I'm guessing it will be only slightly lower than colored, though?

Thanks, everyone.

Nathan Voght, AICP
Brownfield Redevelopment Coordinator
ReImagine Washtenaw Project Manager

Office of Community & Economic Development
415 W. Michigan Avenue, Suite 2200
Ypsilanti, Michigan 48197
http://www.ewashtenaw.org/

734-544-3055 (direct office)
734-660-1061 (cell)

From: Rushlow, Jacob [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, June 23, 2015 12:29 PM
To: Nathan Voght; Howard Fink; Gary Streight (streightg@wcroads.org)
Cc: Smith, Bryan
Subject: Main Street project estimates

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We would need a minimum of 2 for this application adding $10,000 to the project cost.

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Howard Fink

From: Rushlow, Jacob [jacob.rushlow@ohm-advisors.com]
Sent: Friday, July 10, 2015 3:58 PM
To: Nathan Voght; Howard Fink; Gary Streight (streightg@wcroads.org)
Cc: Smith, Bryan
Subject: RE: Main Street project estimates

Nathan,

Thank you for the feedback on the updated alignment. Over the past couple weeks we have been proceeding with the full 90% complete design plans, specifications, and opinion of construction cost. We will be ready to transmit those documents to everyone for review on Monday.

Without having received a response to the cost information for the rapid flashing beacon or the stamped concrete crosswalk we did not included those items with the 90% documents. If the funding is available to include those items they can be added but we did not want to proceed with the extra effort to include items that were not confirmed by the entire project team.

We did not run a cost estimate for just plain concrete as a crossing material. I do not believe it would add much value to the motorist as it would have little texture difference and would essentially provide the same visual (white color) difference as the pavement markings. Just for a comparison though we would estimate the plain concrete to be around $1,200. The use of concrete for the sidewalk crossing would really be up to the WCRC and if they would allow it to be used.

Let me know if you have any question or comments next week once you have a chance to go over the full 90% documents.

Thanks and have a good weekend!

JACOB A. Rushlow, PE
PROJECT MANAGER

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Sent: Friday, July 10, 2015 2:57 PM
To: Rushlow, Jacob; Howard Fink; Gary Streight (streightg@wcroads.org)
Cc: Smith, Bryan
Subject: RE: Main Street project estimates

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Thanks, everyone.

Nathan Voght, AICP
Brownfield Redevelopment Coordinator
ReImagine Washtenaw Project Manager

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415 W. Michigan Avenue, Suite 2200
Ypsilanti, Michigan 48197
http://www.ewashtenaw.org/

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734-660-1061 (cell)

From: Rushlow, Jacob [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, June 23, 2015 12:29 PM
To: Nathan Voght; Howard Fink; Gary Streight (streightg@wcroads.org)
Cc: Smith, Bryan
Subject: Main Street project estimates

At our 30% review meeting there were a couple construction items you asked that we look into and provide a cost. Those were the addition of a stamped, colored concrete for the mid-block crossing and the inclusion of rapid flashing beacons to alert approaching motorists of the mid-block crossing. Based on recent publicly bid projects we found the following average unit prices:

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Howard Fink

From: Streight, Gary [streightg@wcroads.org]
Sent: Monday, July 13, 2015 7:28 AM
To: Nathan Voght; 'Rushlow, Jacob'; Howard Fink
Cc: Smith, Bryan
Subject: RE: Main Street project estimates

Nathan,

The concrete cross walk is an option but we recommend the outer edges be standard colored concrete as we will require the crosswalk be striped and the outer edge will have a solid white line.

Gary Streight
Project Manager
Washtenaw County Road Commission
(734) 761-1500 Main
(734) 327-6692 Desk
(734) 761-3737 Fax
streightg@wcroads.org

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
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PROJECT MANAGER

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Howard Fink

From: Rushlow, Jacob [jacob.rushlow@ohm-advisors.com]
Sent: Monday, July 13, 2015 11:16 AM
To: tom.dekeyser@wlps.net
Cc: Howard Fink
Subject: Main Street Sidewalk Crossing
Attachments: MAIN STREET CDBG SIDEWALK - 90% - sheets 5 and 8.pdf

Tom,

Thanks for speaking with me this morning about the sidewalk project. Attached is the design plan showing the proposed sidewalk crossing location and a second plan showing the pavement marking and signing. This crossing location has been designed by our traffic engineers and has been approved in concept by the Road Commission. As the school superintendent we would like your feedback as well. Once you've had a chance to look at the plan please contact me directly with any questions or comments. Thank you.

JACOB A. Rushlow, PE
PROJECT MANAGER

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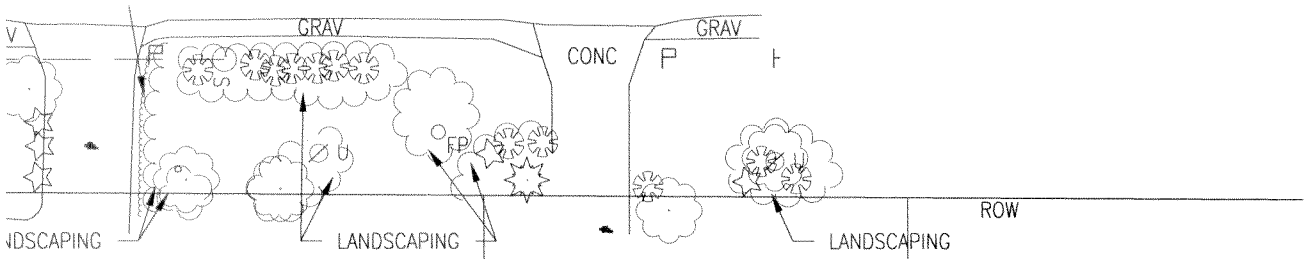


B-02-08-240-004
THOMAS & MICHELLE PETOSKEY
8844 MAIN ST.
WHITMORE LAKE, MI 48189

B-02-08-240-022
JEFFREY & DENISE GILBOE
8888 MAIN ST.
WHITMORE LAKE, MI 48189

B-02-08-240-021
REGINA BEERT
8920 MAIN ST.
WHITMORE LAKE, MI 48189

346 Sft

CL1 DECID TREE 4"
CONIFEROUS SHRUB 2x5
CONIFEROUS SHRUB 2x5
CONIFEROUS SHRUB 2x5

CL2 DECID TREE MS3-8"
DECIDUOUS SHRUB 6x4

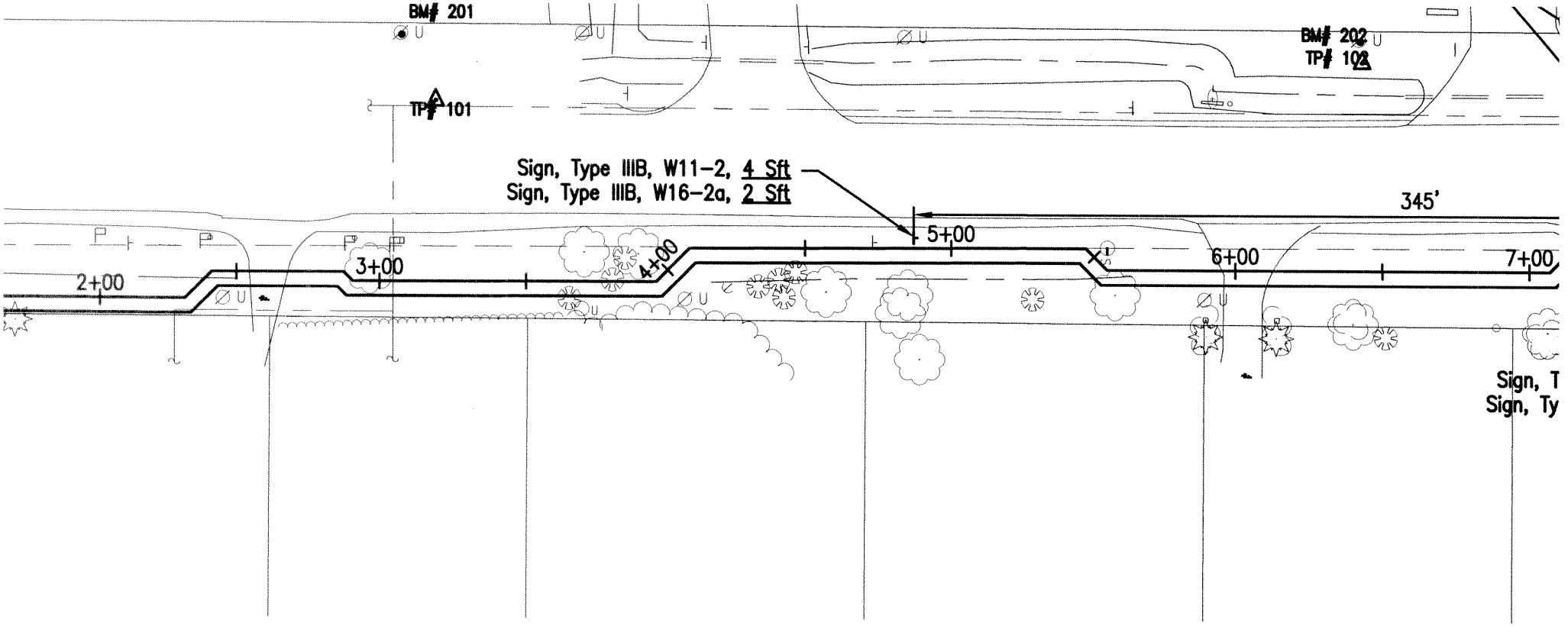
DECIDUOUS SHRUB 6x4
DECIDUOUS SHRUB 6x4
CL3 DECID TREE 24"
DECIDUOUS SHRUB 6x4
UTILITY POLE
DECIDUOUS SHRUB 10x20
DECIDUOUS SHRUB 6x3
DECIDUOUS SHRUB 10x10

FLAGPOLE

CONIFEROUS SHRUB 3x5
DECIDUOUS SHRUB 4x1
CL2 CONIF TREE 14'
DECIDUOUS SHRUB 4x5

DECIDUOUS SHRUB 4x4
MAILBOX
CL2 DECID TREE 8"

DECIDUOUS SHRUB 10x10
CL1 DECID TREE MS3-3"
UTILITY POLE
SIGN-REGULATORY
DECIDUOUS SHRUB 15x15



TIES THIS SHEET

ION

3 lb

IIB

)vly Cold Plastic, 6 inch, White

)vly Cold Plastic, 12 inch, White

)vly Cold Plastic, Ped

)vly Cold Plastic,ing

Howard Fink

From: Rushlow, Jacob [jacob.rushlow@ohm-advisors.com]
Sent: Monday, July 13, 2015 1:41 PM
To: Howard Fink
Subject: FW: Main Street project estimates 2 of 2
Attachments: Main St CDBG SW 90 pct Specs.pdf

Howard,

Here is the second message with the contract specification attached.

Jacob

From: Rushlow, Jacob
Sent: Monday, July 13, 2015 11:39 AM
To: 'Nathan Voght'; 'Howard Fink'; 'Gary Streight (streightg@wcroads.org)'
Cc: Smith, Bryan
Subject: RE: Main Street project estimates

Good morning all. Attached you will find the 90% submittal of design plans, contract specifications, and opinion of construction cost. You will notice in the contract specifications we have left out dates for bidding and construction for now until we have a better idea of how long the environmental review process will take. I would also like to mention that this cost opinion has been updated with unit prices based on numbers we have been seeing in recent bids this summer for similar scope and size projects. Compared to 2014 bids we have been seeing about a 20% increase on average in prices for concrete projects.

Once you've had a chance to review these documents we can setup a date & time to meet to go over any comments and/or revisions. Thank you!

JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

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F 734.522.6427
D 734.466.4517
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From: Rushlow, Jacob
Sent: Friday, July 10, 2015 3:57 PM
To: 'Nathan Voght'; Howard Fink; Gary Streight (streightg@wcroads.org)
Cc: Smith, Bryan
Subject: RE: Main Street project estimates

Nathan,

Thank you for the feedback on the updated alignment. Over the past couple weeks we have been proceeding with the full 90% complete design plans, specifications, and opinion of construction cost. We will be ready to transmit those documents to everyone for review on Monday.

Without having received a response to the cost information for the rapid flashing beacon or the stamped concrete crosswalk we did not included those items with the 90% documents. If the funding is available to include those items they can be added but we did not want to proceed with the extra effort to include items that were not confirmed by the entire project team.

We did not run a cost estimate for just plain concrete as a crossing material. I do not believe it would add much value to the motorist as it would have little texture difference and would essentially provide the same visual (white color) difference as the pavement markings. Just for a comparison though we would estimate the plain concrete to be around $1,200. The use of concrete for the sidewalk crossing would really be up to the WCRC and if they would allow it to be used.

Let me know if you have any question or comments next week once you have a chance to go over the full 90% documents.

Thanks and have a good weekend!

JACOB A. Rushlow, PE
PROJECT MANAGER

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From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Friday, July 10, 2015 2:57 PM
To: Rushlow, Jacob; Howard Fink; Gary Streight (streightg@wcroads.org)
Cc: Smith, Bryan
Subject: RE: Main Street project estimates

All,

I think the 90% drawings seem fine. The mid-block moved north seems good. Relocating the sidewalk away from the street, where possible, is also safer.

Has anyone decided if any of the upgrades can be funded? I'm assuming that the CDBG will not allow these extras? So, would the Township be able to make up the difference?

Gary, do you see any problem with dropping in a concrete crossing of some kind? Are there feasible detour routes? Are the traffic control detour costs accurate?

One thing I didn't see priced was just straight concrete for the crosswalk. I'm guessing it will be only slightly lower than colored, though?

Thanks, everyone.

Nathan Voght, AICP
Brownfield Redevelopment Coordinator
ReImagine Washtenaw Project Manager

Office of Community & Economic Development
415 W. Michigan Avenue, Suite 2200
Ypsilanti, Michigan 48197
http://www.ewashtenaw.org/

734-544-3055 (direct office)
734-660-1061 (cell)

From: Rushlow, Jacob [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, June 23, 2015 12:29 PM
To: Nathan Voght; Howard Fink; Gary Streight (streightg@wcroads.org)
Cc: Smith, Bryan
Subject: Main Street project estimates

At our 30% review meeting there were a couple construction items you asked that we look into and provide a cost. Those were the addition of a stamped, colored concrete for the mid-block crossing and the inclusion of rapid flashing beacons to alert approaching motorists of the mid-block crossing. Based on recent publicly bid projects we found the following average unit prices:

Flashing Beacon, Rectangular Rapid, Solar Power = $5,000 each
We would need a minimum of 2 for this application adding $10,000 to the project cost.

The colored concrete is a little more involved because of the costs for pavement removal, excavation under the pavement and addition of new aggregate base material, and the need for additional traffic control measures with a detour to allow the proper curing time on the concrete.

Pavement, Removal = $100
Concrete, 7", Stamped, Colored = $1500
Aggregate Base, 8", 21AA Limestone = $300
Traffic Control Detour = $5,000
Total for these concrete related items would add $6,900 to the project cost.

We are glad to include any of these items into the project but wanted to provide these preliminary opinions of cost prior to moving forward with any plan changes. Note that both of these items will also need Road Commission approval as they will both be located within the public road right-of-way. Please feel free to call or e-mail with any questions or to discuss how you'd like to proceed. Thanks!

JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

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CONTRACT DOCUMENTS
FOR
MAIN STREET CDBG SIDEWALK

NORTHFIELD TOWNSHIP
WHITMORE LAKE, MI 48189

OHM Advisors
34000 Plymouth Road
Livonia, Michigan 48150

0161-15-0020
(??? date available)

Main Street CDBG Sidewalk
Northfield Township
0161-15-0020
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ADVERTISEMENT FOR BID

Main Street CDBG Sidewalk
Northfield Township
(??? date available)

Sealed Bids for Main Street CDBG Sidewalk will be received at the office of the Northfield Township until (??? bid time) local time, on (??? bid date), by the office of the Township Manager located at 8350 Main St., Ste. A, Whitmore Lake, MI 48189. The approximate quantities of major items of work involved are as follows:

Sidewalk, Conc, 4 Inch	4132 Sft
Station Grading	9.4 Sta

The Contract Documents for this project are on file and may be examined on and after (??? time available), (??? date available), at the following locations: the office of the ENGINEER, Orchard, Hiltz, & McCliment, Inc., 34000 Plymouth Road, Livonia, MI 48150; McGraw-Hill Construction/ ReproMAX, www.construction.com ; Reed Construction Data at www.reedepr.com; the Construction Association of Michigan (CAM), 43636 Woodward, Bloomfield Hills, MI 48302-3204; and Northfield Township, 8350 Main St., Ste. A, Whitmore Lake, MI 48189.

Copies thereof may be obtained on or after (??? time available), local time, (??? date available), at the office of the ENGINEER, Orchard, Hiltz & McCliment, Inc., 34000 Plymouth Road, Livonia, MI 48150. A fee of Fifty-Five dollars ($55.00) non-refundable will be charged for each set of Contract Documents. An additional fee of Fifteen dollars ($15.00) non-refundable will be charged for each set of Contract Documents that are mailed.

Bid Security in the form of a Bid Bond for a sum no less than five percent (5%) of the amount of the Bid will be required with each Bid.

The OWNER reserves the right to accept any Bid, reject any Bid, or waive irregularities in Bids.

No Bid may be withdrawn for a period of ninety (90) calendar days after the scheduled closing time for receipt of the Bids.

No pre-bid meetings are scheduled for this project.

Howard Fink, Township Manager
Northfield Township

INSTRUCTIONS TO BIDDERS

1. BIDS

A. Sealed Bids will be received as per Advertisement for Bids.

B. Bid Forms shall be submitted only on forms provided by the ENGINEER and shall be of the type specified in the Bid Form.

C. Bid Forms must be completed legibly in ink or by typewriter. In case of a discrepancy between the unit price and the extended amount, the unit price shown shall govern. Illegibility of any figure or word in the Bid Form may be sufficient cause for rejection of the Bid by the OWNER.

D. Bid Forms shall be enclosed in sealed envelopes marked with the name of the project and Bidder and shall be delivered to the OWNER at the place specified in the Advertisement for Bids on or before the time specified in the Advertisement for Bids.

E. Bid Forms shall be made in full conformity with all the conditions set forth in the drawings and in these specifications

2. NAME AND STATUS OF BIDDER

A. The name and legal status of Bidder, that is, as a corporation, partnership or individual, shall be stated in the Bid Form.

B. Anyone signing a Bid Form as an agent of another or others must submit with the Bid Form legal evidence of his authority to do so.

C. The place of residence of each Bidder, or the office address in the case of a firm or company, with county and state, must be given after his signature. Phone and fax numbers are also required.

3. BID SECURITY

Each Bid must be in the form requested in the Advertisement for Bid. The CONTRACTOR shall complete and sign the Bid Guarantee form (page BG-1). If a Bid Bond is requested, it must be from a Treasury Listed surety company licensed to do business in the state of Michigan in the amount as stated in the Advertisement for Bid, payable to the OWNER as a guarantee on the part of the Bidder that he will, if called upon, enter into the attached Agreement.

4. BONDS

A. CONTRACTOR will be required to furnish performance and payment bonds each equal to one-hundred percent (100%) of the Contract Sum. The bonds shall be the OWNER's guarantee of the faithful performance and payment of all the CONTRACTOR's obligations under the Agreement. These bonds shall remain in effect for the period as stated in each bond's provisions.

B. Maintenance and Guarantee Bonds shall be required.

5. INSPECTION OF SITE

A. Before submitting a Bid Form, each Bidder shall personally inspect the site of the proposed work to arrive at a clear understanding of the conditions under which the work is to be done.

B. Each Bidder shall be held to have compared the premises with the Bid documents and to have satisfied himself as to conditions of the premises, existing construction and any other conditions

affecting the carrying out of the work before delivery of his Bid Form.

C. No allowance or extra consideration on behalf of the CONTRACTOR will subsequently be allowed by reason of error or oversight on the part of the CONTRACTOR or on account of interference by the OWNER's or other CONTRACTOR's activities.

6. TIME OF COMPLETION

Time of completion will be as stated in the Agreement.

7. EXPLANATION TO BIDDERS BY ADDENDA

A. Neither the OWNER nor the ENGINEER will give verbal answers to inquiries regarding the meaning or intent of the Contract Documents prior to award of the Contract. Any verbal statements regarding same by any person prior to the award shall be without legal effect.

B. Explanations desired by Bidders shall be requested of the ENGINEER in writing and, if explanations are necessary, a reply will be made in the form of an addendum, a copy of which will be forwarded to each Bidder of Record whose work is affected.

C. Addenda issued to Bidders prior to date of receipt of Bid Forms shall become a part of the Contract Documents, and all Bid Forms shall include the work described in the Addenda.

D. No inquiry received within four (4) business days of the date fixed for opening of the Bids will be given consideration.

E. Failure of the ENGINEER to send, or the Bidder to receive, any such interpretations shall not relieve the Bidder from obligation under his Bid as submitted.

F. Bidder of Record is defined as an individual, partnership or corporation having purchased a set of Bid Documents from the ENGINEER.

8. EXPERIENCE AND FINANCIAL STATEMENT

A. It is the intention of the OWNER to award the Contract to a contractor fully capable, both financially and as regards to experience to perform and complete the work in a satisfactory manner. Each Bidder must complete the Statement of Qualifications, which follows the Bid Form. If required by the OWNER, each Bidder under consideration may be required to submit additional evidence of qualifications.

B. Each Bidder under consideration must be able to demonstrate that the Bidder has successfully completed projects of a similar nature and scope within the last two years.

9. SUBCONTRACTORS

Bidder shall submit to OWNER a list of all subcontractors and other persons and organizations (including those who are to furnish the principal items of material and equipment) proposed for those portions of work as to which such identification is so required. If requested by the OWNER, the apparent successful Bidder and any other Bidder so requested, will, within ten (10) days after the day of Bid opening, submit a Statement of Qualifications with pertinent information as to similar projects and other evidence of qualification for each such subcontractor, person and organization if requested by the OWNER.If the OWNER or ENGINEER, after due investigation, has reasonable objection to any proposed subcontractor, other person or organization, OWNER may request the apparent successful Bidder to submit an acceptable

substitute without an increase in Bid price. If the apparent successful Bidder declines to make any such substitutions, the Contract shall not be awarded to such Bidder, but his declining to make any such substitution will not constitute grounds for sacrificing his Bid Security. Any subcontractor, other person or organization so listed and to whom the OWNER or ENGINEER does not make written objection prior to signing of the Agreement will be deemed acceptable to the OWNER and ENGINEER.

10. AWARD OF CONTRACT

The OWNER reserves the right to accept any Bid, to reject any or all Bids, and to waive defects or irregularities in any Bid for any reason or no reason at all. The OWNER also reserves the right to award some, none, or all of the Contract.

11. LIQUIDATED DAMAGES/INCENTIVES

A. If the CONTRACTOR fails to complete all the work within the time stipulated, he will be assessed liquidated damages as set forth in the Agreement.

B. If set forth in the Agreement, incentives will be paid by OWNER to CONTRACTOR at the rate specified in the Agreement, when the work is completed prior to the time specified in the Agreement.

12. TAXES

The Bidder shall include in the base Bid and shall pay all applicable federal, state and local taxes of whatever character and description.

End of Section

SUPPLEMENTAL INSTRUCTIONS TO BIDDERS

These Supplemental Instructions to Bidders (SIB) amend or supplement the Instructions to Bidders. All provisions that are not so amended or supplemented remain in full force and effect.

A. Time of Completion & Construction Schedule

Prior to the execution of the Contract, the CONTRACTOR shall submit an outline of his proposed order of work and indicate dates for completing the major items of work. Major items shall be considered to be station grading, sidewalk placement, and surface restoration. This schedule, when approved by the OWNER, shall become part of the Contract.

A pre-construction meeting shall be arranged prior to the start of work. The CONTRACTOR shall bring a tentative schedule to the pre-construction meeting. At this time, all Contract requirements shall be reviewed.

It is anticipated that construction will begin on Begin. The CONTRACTOR shall complete the proposed work, including final tests thereof, in order to have the new sidewalk finished as of the substantial completion date. Final cleanup and restoration shall be finished by the project completion date, unless otherwise directed in writing by the OWNER or its ENGINEER.

Summary of anticipated dates:

Contract Award ..... Award

Notice to Proceed ..... Proceed

Construction Start Date ..... StartDate

Substantial Completion Date ..... Date

Project Completion ..... ProjCompletion

All requests for extensions of time shall be submitted in writing in accordance with Section 15 of the General Conditions. Such requests shall:

1. Detail the reason for the request.
2. Provide a realistic revised completion date.
3. Indicate any other areas that may be impacted by such an extension.

The CONTRACTOR shall request a deadline extension as soon as it has become apparent the completion date is unreasonable. In no case will a request be considered if it is submitted after the originally required completion date has passed.

B. Geotechnical Data

The Geotechnical Investigation report is included in Appendix A of the contract book.

C. MINIMUM WAGE REQUIREMENTS

The OWNER has specific minimum wage requirements that are as follows:

Davis-Bacon Act, July 2, 1964 (Title 40, USC, 276A)

Anti-Kickback Act (Title 18, USC 874)

U.S. Department of Labor Regulations and Standards (Title 29, 1, 3 and 5)

Equal Employment Opportunity Act, September 18, 1965 (Executive Order No. 11246)

Federal Occupational Safety and Health Act of 1970

Housing and Urban Development Act of 1968, Section 3, as amended, 12 USC, 1701u.

D. Hours of Work

Work hours are Monday through Saturday from 7:00 a.m. to 7:00 p.m are permitted. Night and additional weekend work is allowed, with prior approval from the Owner.

E. Permits

The following permits will be required for project construction. The CONTRACTOR is required to comply with all terms and conditions of the permit as incidental to the unit prices bid and no extra compensation will be allowed.

a. Permitting Agency: Washtenaw County Road Commission

Contact at Agency: Gary Streight

Phone number: (734) 761-1500

Permit Fee: $0

Bond Amount (if applicable): TBD

Date of Application: _____

Person Responsible for Acquiring the Permit: Contractor

Date Permit issued if already in hand: N/A

b. Permitting Agency: Washtenaw County Water Resource Commission, Soil Erosion and Sedimentation Control Permit.

Contact at Agency: Katie Lee

Phone number: (734)-222-3978

Permit Fee: TBD

Bond Amount (if applicable): TBD

Date of Application: _____

Person Responsible for Acquiring the Permit: CONTRACTOR

Date Permit issued if already in hand: TBD

Application has been made by the Engineer for the permits identified above. Unless otherwise indicated, the CONTRACTOR must secure the permits prior to the start of construction and shall be responsible for all associated fees, deposits, bonds, proof of insurance, etc. The Contractor shall also be responsible for arranging for inspection by the governing agencies.

INSURANCE SPECIFICATIONS

1. LIABILITY OF CONTRACTOR

The Contractor shall take all responsibility for the work and shall provide barricades, watchmen and lights, and take all precautions for preventing injuries to persons and property on or about the work; shall bear all losses resulting to him on account of the amount or character of the work or because the nature of the ground in which the work is done is different from what was estimated or expected, or on account of weather, floods, elements or other cause; and shall assume defense of, indemnify and save harmless the party of the first part and its individual officers and agents from all claims relating to labor, equipment and materials furnished for the work, inventions, patents and patent rights used in doing the work, also to injuries to any person or property received or sustained by or from the CONTRACTOR, his agents or employees.

The mention of any specific duty or liability of the CONTRACTOR in any part of the specifications shall not be construed as a limitation or restriction upon any general liability or duty imposed upon the CONTRACTOR by the specifications.

INDEMNIFICATION - HOLD HARMLESS AGREEMENT

The CONTRACTOR agrees to indemnify, defend, and save harmless the OWNER and ENGINEER, their consultants, agents, and employees, from and against all loss or expense (including costs and attorney's fees) by reason of liability imposed by law upon the OWNER and ENGINEER, their consultants, agents, and employees for damages to property and for damages because of bodily injury, including death at any time resulting therefrom, arising out of or in consequence of the performance of this work, whether such injuries to persons or damage to property is due, or claimed to be due, to the negligence of the CONTRACTOR, his subcontractors, the OWNER, the ENGINEER, and their consultants, agents, and employees, except only such injury or damage as shall have been occasioned by the sole negligence of the OWNER, the ENGINEER, and their agents and/or consultants.

COMPOSITION OF THE CONTRACTOR

If the CONTRACTOR hereunder is comprised of more than one legal entity, each such entity shall be jointly and severally liable hereunder.

2. INSURANCE

2.1. Insurance Required of the CONTRACTOR:

Prior to commencement of work, the CONTRACTOR shall purchase and maintain during the term of the project such insurance as will protect him, the OWNER(s), and Orchard, Hiltz & McCliment, Inc., Consulting Engineers, from claims arising out of the work described in this Contract and performed by the CONTRACTOR, subcontractor(s) or sub-subcontractor(s) consisting of:

2.1.1. Workers' Compensation Insurance including Employer's Liability to cover employee injuries or disease compensable under the Workers' Compensation Statutes of the states in which work is conducted under this Contract; disability benefit laws, if any; or Federal compensation acts such as U.S. Longshoremen or Harbor Workers', Maritime Employment, or Railroad Compensation Act(s), if applicable. Self-insurance plans approved by the regulatory authorities in the state in which work on this project is performed are acceptable.

2.1.2. A Comprehensive General Liability policy to cover bodily injury to persons other than employees and for damage to tangible property including loss of use thereof, including the following exposures:

A. All premises and operations.

B. Explosion, collapse and underground damage.

C. Contractor's Protective coverage for independent contractors or subcontractors employed by him.

D. Contractual Liability for the obligation assumed in the Indemnification or Hold Harmless agreement found under Part 1 of this Section.

E. The usual Personal Injury Liability endorsement with no exclusions pertaining to employment.

F. Products and Completed Operations coverage. This coverage shall extend through the contract guarantee period.

2.1.3. A Comprehensive Automobile Liability policy to cover bodily injury and property damage arising out of the ownership, maintenance or use of any motor vehicle, including owned, non-owned and hired vehicles. In light of the standard policy provisions concerning (a) loading and unloading, and b) definitions pertaining to motor vehicles licensed for road use vs. unlicensed or self-propelled construction equipment, it is strongly recommended that Comprehensive General Liability and Comprehensive Auto Liability be written by the same insurance carrier, though not necessarily in one policy.

2.1.4. CONTRACTOR will purchase for the OWNER an Owner's Protective Liability policy to protect the OWNER; the ENGINEER (Orchard, Hiltz & McCliment, Inc.); their consultants, agents, employees and such public corporations in whose jurisdiction the work is located for their contingent liability for work performed by the CONTRACTOR, the subcontractor(s) or the sub-subcontractor(s) under this Contract.

2.1.5. CONTRACTOR shall purchase a Builder's Risk-Installation Floater in a form acceptable to the OWNER covering property of the project for the full cost of replacement as of the time of any loss which shall include, as named insureds, (a) the CONTRACTOR, (b) all subcontractors, (c) all sub-subcontractors, (d) the OWNER, and Orchard, Hiltz & McCliment, Inc., Consulting Engineers, as their respective interests may prove to be at the time of loss, covering insurable property which is the subject of this Contract, whether in place, stored at the job site, stored elsewhere, or in transit at the risk of the insured(s). Coverage shall be effected on an "All Risk" form, including but not limited to the perils of fire, wind, collapse, vandalism, theft and earthquake, with exclusions normal to the cover. The CONTRACTOR may arrange for such deductibles as he deems to be within his ability to self-assume, but he will be held solely responsible for the amount of such deductible and for any co-insurance penalties. Any insured loss shall be adjusted with the OWNER and CONTRACTOR and paid to the OWNER and CONTRACTOR as Trustee for the other insureds.

2.1.6. Umbrella or Excess Liability

The OWNER or its representative may, for certain projects, require limits higher than those stated in paragraph. 2.2 that follows. CONTRACTOR is granted the option of arranging coverage under a single policy for the full limit required or by a combination of underlying policies with the balance provided by an Excess or Umbrella Liability policy equal to the total limit(s) requested. Umbrella or Excess policy wording shall be at least as broad as the primary or underlying policy(ies) and shall apply both to the CONTRACTOR's general liability and to his automobile liability insurance.

2.1.7. Railroad Protective Liability

Where such an exposure exists, the CONTRACTOR will provide coverage in the use of each railroad company having jurisdiction over rights-of-way across which work under the Contract is to be performed. The form of policy and limits

of liability shall be determined by the railroad company(ies) involved.

2.2. Limits of Liability

The required limits of liability for insurance coverages requested in Section 2.1 shall be not less than the following:

2.2.1. Worker's Compensation

Coverage A Compensation	Statutory
Coverage B Employer's Liability	$100,000

2.2.2. Comprehensive General Liability

Bodily Injury - Each Occurrence	$500,000
Bodily Injury - Aggregate (Completed Operations)	$500,000
Property Damage - Each Occurrence	$100,000
Property Damage - Aggregate	$500,000
or combined single limit	$1,000,000

2.2.3. Comprehensive Automobile Liability

Bodily Injury	$500,000
Property Damage	$200,000
or combined single limit	$1,000,000

2.2.4. Owner's Protective

Bodily Injury- Each Occurrence	$1,000,000
Property Damage- Each Occurrence	$250,000
Property Damage- Aggregate	$500,000
or combined single limit	$1,500,000

2.2.5. Builder's Risk-Installation Floater

Cost to replace at time of loss

2.2.6. Umbrella or Excess Liability

$2,000,000

2.3. Insurance - Other Requirements

2.3.1. Notice of Cancellation or Intent Not to Renew

Policies will be endorsed to provide that at least thirty (30) days written notice shall be given to the OWNER and the ENGINEER of cancellation or of intent not to renew.

2.3.2. Evidence of Coverage

Prior to the commencement of work, the CONTRACTOR shall furnish to the OWNER, Certificates of Insurance in force on the Owner's Form of Certificate provided. Other forms of certificate are acceptable only if (1) they include all items prescribed in the Owner's Form of Certificate, including agreement to cancellation provisions outlined in Paragraph 2.3.1 above, and (2) they have the written approval of the OWNER and ENGINEER. The OWNER reserves the right to request complete copies of the policies if deemed necessary to ascertain details of coverage not provided by the certificates. Such policy copies shall be "Originally Signed Copies," and so designated.

A. Insurance Required for the CONTRACTOR

i. Workers' Compensation and Employers' Liability Comprehensive General Liability, including:

a. All premises and operations.

b. Explosion, collapse, and underground damage.

c. Contractors' Protective.

d. Contractual Liability for obligations assumed in the Indemnification-Hold Harmless agreement of this contract.

e. Personal Injury Liability.

f. Products and Completed Operations.

ii. Comprehensive Automobile Liability, including owned, non-owned, and hired vehicles.

iii. Umbrella or Excess Liability.

B. Insurance Required for the OWNER

Owners' Protective Liability which names as insured(s) the OWNER; the ENGINEER, Orchard, Hiltz & McCliment, Inc.; their consultants, agents, employees and such public corporations in whose jurisdiction the work is located.

C. Insurance Required for the CONTRACTOR and the OWNER

Builders Risk-Installation Floater which names as insured(s) the OWNER; the ENGINEER, Orchard, Hiltz & McCliment, Inc.; their consultants, agents and employees; the CONTRACTOR and all subcontractors.

2.3.3. Qualification of Insurers

In order to determine the financial strength and reputation of insurance carriers, all companies providing coverages required shall be licensed or approved by the Office of Financial and Insurance Services of the State of Michigan. The company shall also have a financial rating not lower than X and a policyholder's service rating no lower than A as listed in A.M. Best's Key Rating Guide, current edition. Companies with ratings lower than A:X will be acceptable only upon the written consent of the OWNER

End of Section

BID FORM

Main Street CDBG Sidewalk
Northfield Township

THIS BID IS SUBMITTED TO:
Northfield Township
8350 Main St., Ste. A

Whitmore Lake, MI 48189

The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with OWNER in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

Bidder accepts all of the terms and conditions of the Advertisement to Bid, Instructions to Bidders and Supplemental Instructions to Bidders.

In submitting this Bid, Bidder represents, as set forth in the Agreement, that:

A. Bidder has examined and carefully studied the Bidding Documents, the other related data identified in the Bidding Documents, and the following Addenda, receipt of all which is hereby acknowledged.

Addendum No.	Addendum Date	Signature
_____	_____	_____
_____	_____	_____
_____	_____	_____

B. Bidder has visited the site and become familiar with and is satisfied as to the general, local and Site conditions that may affect cost, progress, and performance of the Work.

C. Bidder is familiar with and is satisfied as to all federal, state and local Laws and Regulations that may affect cost, progress and performance of the Work.

D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or contiguous to the site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the site (except underground facilities) that have been identified in the Supplemental Instructions to Bidders, and (2) reports and drawings of a hazardous environmental condition, if any, that have been identified in the Supplemental Instructions to Bidders.

E. Bidder has obtained and carefully studied (or assumes responsibility for having done so) all additional or supplementary examinations, investigations, explorations, tests, studies and data concerning conditions (surface, subsurface and underground facilities) at or contiguous to the site that may affect cost, progress, or performance of the Work or that relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and

procedures of construction expressly required by the Bidding Documents to be employed by Bidder, and safety precautions and programs incident thereto.

F. Bidder does not consider that any further examinations, investigations, exploration, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Bidding Documents.

G. Bidder is aware of the general nature of work to be performed by OWNER and others at the Site that relates to the Work as indicated in the Bidding Documents.

H. Bidder has correlated the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Bidding Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents.

I. Bidder has given ENGINEER written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by ENGINEER is acceptable to Bidder.

J. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.

Bidder further represents that this Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any individual or entity to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over OWNER.

Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

BID FORM for
Main Street CDBG Sidewalk
Northfield Township, Washtenaw County, State of Michigan
OHM Job Number 0161-15-0020

Item	Description	Estimated Quantity		Unit Price	Amount
1	Mobilization, Max 10%	1	Ea	$_____	$_____
2	Digital Video Recorded Survey	1	LS	$_____	$_____
3	Pavt, Rem	24	Syd	$_____	$_____
4	Sidewalk, Rem	9	Syd	$_____	$_____
5	Station Grading	9.4	Sta	$_____	$_____
6	Erosion Control, Silt Fence	929	Ft	$_____	$_____
7	Culv, CMP, 12 inch	35	Ft	$_____	$_____
8	Culv End Sect, CMP, 12 inch	4	Ea	$_____	$_____
9	Sand Subbase, CL II	156	Ton	$_____	$_____
10	Sidewalk Ramp, Conc, 6 inch	100	Sft	$_____	$_____
11	Sidewalk, Conc, 4 inch	4132	Sft	$_____	$_____
12	Sidewalk, Conc, 6 inch	525	Sft	$_____	$_____
13	Remove and Reset Irrigation Head	10	Ea	$_____	$_____
14	Irrigation Line	100	Ft	$_____	$_____
15	Traffic Control	1	LS	$_____	$_____
16	Pavt Mrkg, Ovly Cold Plastic, 6 inch, White	66	Ft	$_____	$_____
17	Pavt Mrkg, Ovly Cold Plastic, 12 inch, White	60	Ft	$_____	$_____
18	Pavt Mrkg, Ovly Cold Plastic, Ped	2	Ea	$_____	$_____
19	Pavt Mrkg, Ovly Cold Plastic,ing	2	Ea	$_____	$_____
20	Sign, Type IIIB	16	Sft	$_____	$_____
21	Post, Steel, 3 lb	32	Ft	$_____	$_____
22	Reconstruct Sanitary Structure	2	Ea	$_____	$_____
23	Turf Establishment	1	LS	$_____	$_____

Total Bid Amount (ITEM 1-23 incl.): $_____

Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all unit price bid items will be based on actual quantities constructed in accordance with the Contract Documents.

Bidder agrees that the Work will be Substantially Complete on or before (??? substantial completion date), and completed and ready for final payment in accordance with the General Conditions on or before (??? final completion date).

Bidder accepts the provisions of the Agreement as to liquidated damages in the event of failure to complete the Work within the times specified above, which shall be stated in the Agreement.

The following documents are attached to and made a condition of this Bid:

- Bid Guarantee (circle one): Bid Bond
- Statement of Qualifications
- Subcontractor Listing
- Legal Status of Bidder

SUBMITTED on _____ , 20 _____

State Contractor License No. _____ . (If applicable)

If Bidder is:

An Individual

Name (typed or printed): _____

By: _____ (SEAL)
(Individual's signature)

Doing business as: _____

Business address: _____

_____

Phone No.: _____ FAX No.: _____

A Partnership

Partnership Name: _____ (SEAL)

By: _____
(Signature of general partner – attach evidence of authority to sign)

Name (typed or printed): _____

Business address: _____

_____

Phone No.: _____ FAX No.: _____

A Corporation

Corporation Name: _____ (SEAL)

State of Incorporation: _____

Type (General Business, Professional, Service, Limited Liability): _____

By: _____
(Signature – attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Attest: _____ (CORPORATE SEAL)
(Signature of Corporate Secretary)

Business address: _____

_____

Phone No.: _____ FAX No.: _____

Date of Qualification to do business is: _____

A Joint Venture

Joint Venture Name: _____ (SEAL)

By: _____

(Signature of joint venture partner – attach evidence of authority to sign)

Name (typed or printed): _____

Title:

Business address: _____

_____

Phone No.: _____ FAX No.: _____

Joint Venture Name: _____ (SEAL)

By: _____

(Signature of joint venture partner – attach evidence of authority to sign)

Name (typed or printed): _____

Title:

Business address: _____

_____

Phone No.: _____ FAX No.: _____

Phone and FAX Number, and Address for receipt of official communications.

_____

_____

(Each joint venturer must sign. The manner of signing for each individual, partnership, and corporation that is a party to the joint venture should be in the manner indicated above).

BID GUARANTEE

The undersigned attaches bid security in the form of a BID BOND / CERTIFIED CHECK / CASHIER'S CHECK (Circle one) in the amount of _____

_____

Dollars ($_____).

The undersigned agrees, if awarded the Contract, to deliver the executed Agreement and bonds and furnish evidence of insurance within fourteen (14) business days after the date of the Notice of Award. And to complete the proposed work within the time specified in the Bid Form.

If the Bid is accepted by the OWNER, and the undersigned shall fail to enter into the Agreement as aforesaid and to furnish the required surety bonds within fourteen (14) business days after Notice of Award, the Bid Bond in the amount of $_____ accompanying this Bid shall be considered due and payable to the OWNER.

If the undersigned enters into the Agreement in accordance with this Bid or if his Bid is rejected, then the accompanying Bid Guarantee shall be voided.

In submitting this Bid, it is understood that the right is reserved by the OWNER to reject any or all bids, to waive irregularities and/or formalities and, in general, to make award in any manner deemed by it, in its sole discretion, to be in the best interest of the OWNER.

SIGNED AND SEALED THIS _____ DAY OF _____ , 20 _____

Authorized Signature of Bidder: _____

_____

_____

(TITLE) _____

(SEAL)

BID BOND

BIDDER (Name and Address):

SURETY (Name and Address of Principal Place of Business):

OWNER (Name and Address):

Northfield Township

8350 Main St., Ste. A

Whitmore Lake, MI 48189

BID

BID DUE DATE: (??? bid date)

PROJECT (Brief Description Including Location):

850 feet of sidewalk with one crossing

BOND

BOND NUMBER: _____

DATE (Not later than Bid due date): _____

PENAL SUM: _____ _____
(Words) (Figures)

IN WITNESS WHEREOF, Surety and Bidder, intending to be legally bound hereby, subject to the terms printed on the reverse side hereof, do each cause this Bid Bond to be duly executed on its behalf by its authorized officer, agent, or representative.

BIDDER	SURETY
(Seal)	(Seal)
Bidder's Name and Corporate Seal	Surety's Name and Corporate Seal
By: _____ Signature and Title	By: _____ Signature and Title
	(Attach Power of Attorney)
Attest: _____ Signature and Title	Attest: _____ Signature and Title

1. Bidder and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors and assigns to pay to OWNER upon default of Bidder the penal sum set forth on the face of this Bond.

2. Default of Bidder shall occur upon the failure of Bidder to deliver within the time required by the Bidding Documents (or any extension thereof agreed to in writing by OWNER) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Document.

3. This obligation shall be null and void if:

   3.1. OWNER accepts Bidder's Bid and Bidder delivers within the time required by the Bidding Documents (or any extension thereof agreed to in writing by OWNER) the executed Agreement required by the Bidding Documents and any performance and payment Bonds required by the Bidding Documents, or

   3.2. All Bids are rejected by OWNER, or

   3.3. OWNER fails to issue a Notice of Award to Bidder within the time specified in the Bidding Documents (or any extension thereof agreed to in writing by Bidder and, if applicable, consented to by Surety when required by paragraph 5 hereof).

4. Payment under this Bond will be due and payable upon default by Bidder and within 30 calendar days after receipt by Bidder and Surety of written notice of default from OWNER, which notice will be given with reasonable promptness, identifying this Bond and the Project and including a statement of the amount due.

5. Surety waives notice of and any and all defenses based on or arising out of any time extension to issue Notice of Award agreed to in writing by OWNER and Bidder, provided that the total time of issuing Notice of Award including extensions shall not in the aggregate exceed 120 days from Bid due date without Surety's written consent.

6. No suit or action shall be commenced under this Bond prior to 30 calendar days after the notice of default required in paragraph 4 above is received by Bidder and Surety and in no case later than one year after Bid due date.

7. Any suit or action under this Bond shall be commenced only in a court of competent jurisdiction located in the state in which the Project is located.

8. Notices required hereunder shall be in writing and sent to Bidder and Surety at their respective addresses shown on the face of this Bond. Such notices may be sent by personal delivery, commercial courier or by United States Registered or Certified Mail, return receipt requested, postage pre-paid, and shall be deemed to be effective upon receipt by the party concerned.

9. Surety shall cause to be attached to this Bond a current and effective Power of Attorney evidencing the authority of the officer, agent or representative who executed this Bond on behalf of Surety to execute, seal and deliver such Bond and bind the Surety thereby.

10. This Bond is intended to conform to all applicable statutory requirements. Any applicable requirement of any applicable statute that has been omitted from this Bond shall be deemed to be included herein as if set forth at length. If any provision of this Bond conflicts with any applicable statute, then the provision of said statute shall govern and the remainder of this Bond that is not in conflict therewith shall continue in full force and effect.

11. The term "Bid" as used herein includes a Bid, offer or proposal as applicable.

End of Section

STATEMENT OF QUALIFICATIONS

Bidder must answer all questions. If more space is needed to complete a question, attach a separate sheet. Bidder may submit any additional information.

Name: _____

Address: _____ Phone: _____

_____

Number of years operating under your present name: _____

Bonding Capacity: _____

Bonding Company: _____ Phone: _____

Prequalified by MDOT to bid on projects of this magnitude and type of work

(circle one) YES NO Prequalification Number: _____

General nature of work performed by your company: _____

_____

_____

Background and experience of the principal members of your organization including officers:

_____

_____

_____

Major equipment available for this contract: _____

_____

_____

_____

CURRENT PROJECTS:

	Project	Project	Project
Name:			
Owner:			
Contact Person:			
Phone:			
Contract Amount:			
Completion Date:			
% Complete:			

COMPLETED PROJECTS:

	Project	Project	Project
Name:			
Owner:			
Contact Person:			
Phone:			
Contract Amount:			
Date Completed:			

Additional information that may be pertinent to demonstrate your ability to complete this project.

Has your company defaulted on a contract? _____

If yes, where and why? _____

_____

I hereby certify that the above answers are correct and true.

By: _____
Name

_____
Signature

_____
Title

Number of additional sheets attached: _____

IRAN LINKED BUSINESS CERTIFICATION

Pursuant to Michigan Public Act 517 of 2012, any Bidder that submits a bid on a request for proposal with Northfield Township shall certify that Bidder is not an Iran linked business. An Iran linked business is not eligible to submit a bid on a request for proposal with the Township. See attached definitions regarding this certification.

The undersigned Bidder does hereby certify, pursuant to Michigan Public Act 517 of 2012, that:

Bidder is not a person engaging in investment activities in the energy sector of Iran, including a person that provides oil or liquefied natural gas tankers, or products used to construct or maintain pipelines used to transport oil or liquefied natural gas, for the energy sector of Iran, or

Bidder is not a financial institution that extends credit to another person if that person will use the credit to engage in investment activities in the energy sector of Iran.

Date: _____ _____

By: _____

Its: _____

Subscribed and sworn to before me, a Notary Public on this ____day of _____ , _____.

Notary Public _____

_____ County, Michigan

My Commission Expires: _____

DEFINITIONS

(A) "Energy sector of Iran" means activities to develop petroleum or natural gas resources or nuclear power in Iran.

(B) "Investment" means 1 or more of the following:

i. A commitment or contribution of funds or property.

ii. A loan or other extension of credit.

iii. The entry into or renewal of a contract for goods or services.

(C) "Investment activity" means 1 or more of the following:

i. A person who has an investment of $20,000,000.00 or more in the energy sector of Iran.

ii. A financial institution that exceeds $20,000,000.00 or more in credit to another person, for 45 days or more, if that person will use the credit for investment in the energy sector of Iran.

(D) "Iran" means any agency or instrumentality of Iran.

(E) "Iran linked business" means either of the following:

i. A person engaging in investment activities in the energy sector of Iran, including a person that provides oil or liquefied natural gas tankers or products used to construct or maintain pipelines used to transport oil or liquefied natural gas for the energy sector of Iran.

ii. A financial institution that extends credit to another person, if that person will use the credit to engage in investment activities in the energy sector of Iran.

(F) "Person" means any of the following:

i. An individual, corporation, company, limited liability company, business association, partnership, society, trust, or any other nongovernmental entity, organization, or group.

ii. Any governmental entity or instrumentality of a government, including a multilateral development institution, as defined in section 1701(c) (3) of the international financial institutional act, 22 USC 262r(c) (3).

iii. Any successor, subunit, parent company, or subsidiary of, or company under common ownership or control with, any entity described in subparagraph (i) or (ii).

(G) "Public entity" means this state or an agency or authority of this state, school district, community college district, intermediate school district, city, village, township, county, public authority, or public airport authority.

SUBCONTRACTOR LISTING

Bidder submits to use the following subcontractors for performance of the work in accordance with Article 9 of the Instructions to Bidders.

Note to Bidder: List all work you propose to sublet on this Contract. Include each subcontractors name, address, phone, fax and e-mail address. Also include a description of work to be performed by subcontractor. For example: restoration, landscaping, lighting, signage, bore and jack, etc. List approximate dollar value of the subcontract.

NAME, ADDRESS & PHONE NO. OF SUBCONTRACTOR	DESCRIPTION OF WORK	APPROXIMATE DOLLAR VALUE OF SUBCONTRACT
_____	_____	$ _____
_____		
_____		
Phone: _____		
FAX: _____		
E-mail _____		
_____	_____	$ _____
_____		
_____		
Phone: _____		
FAX: _____		
E-mail _____		

_____ _____ $ _____

_____

_____

Phone: _____

FAX: _____

E-mail _____

_____ _____ $ _____

_____

_____

Phone: _____

FAX: _____

E-mail _____

_____ _____ $ _____

_____

_____

Phone: _____

FAX: _____

E-mail _____

AGREEMENT

This AGREEMENT is by and between Northfield Township (hereinafter called OWNER) and _____ (hereinafter called CONTRACTOR).

ARTICLE 1 WORK

1.01 CONTRACTOR shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as follows:

850 feet of sidewalk with one crossing

ARTICLE 2 THE PROJECT

2.01 The Project for which the Work under the Contract Documents may be the whole or only a part is generally described as follows:

Main Street CDBG Sidewalk

ARTICLE 3 ENGINEER

3.01 The Project has been designed by Orchard Hiltz & McCliment, Inc. who is hereinafter called ENGINEER and who is to act as OWNER's representative, assume all duties and responsibilities, and have the rights and authority assigned to ENGINEER in the Contract Documents in connection with the completion of the Work in accordance with the Contract Documents.

ARTICLE 4 CONTRACT TIMES

4.01 Time is of the Essence

A. All time limits for Milestones, if any, Substantial Completion, and completion and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.

4.02 Dates for Substantial Completion and Final Payment

A. The Work will be substantially completed on or before (??? substantial completion date), and completed and ready for final payment on or before (??? final completion date).

4.03 Liquidated Damages

A. CONTRACTOR and OWNER recognize that time is of the essence of this Agreement and that OWNER will suffer financial loss if the Work is not completed within the times specified in paragraph 4.02 above, plus any extensions thereof allowed in accordance with Article 15 of the General Conditions. The parties also recognize the delays, expense, and difficulties involved in proving in a legal or arbitration proceeding the actual loss suffered by OWNER if the Work is not completed on time. Accordingly, instead of requiring any such proof, OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty), CONTRACTOR shall pay OWNER $600.00/day for each day that expires after the time specified in paragraph 4.02 for Substantial Completion until the Work is substantially complete. After Substantial Completion, if CONTRACTOR shall neglect, refuse, or fail to complete the remaining Work within the Contract Time or any proper extension thereof granted by OWNER, CONTRACTOR shall pay OWNER $600.00/day for each day that expires after the time specified in paragraph 4.02 for completion and readiness for final payment until the Work is completed and ready for final payment.

ARTICLE 5 CONTRACT PRICE

5.01 OWNER shall pay CONTRACTOR for completion of the Work in accordance with the Contract Documents an amount in current funds equal to the sum of the amounts determined pursuant to paragraph 5.01.A below:

A. For all Unit Price Work, an amount equal to the sum of the established unit price for each separately identified item of Unit Price Work multiplied by the measured quantity of that item as indicated in the Bid Form (Bid Form to be inserted here at the time the Agreement is to be signed.):

As provided in Article 13 of the General Conditions, estimated quantities are not guaranteed, and determinations of actual quantities and classifications are to be made by ENGINEER as provided in Article 23 of the General Conditions.

ARTICLE 6 PAYMENT PROCEDURES

6.01 Submittal and Processing of Payments

CONTRACTOR shall be paid in accordance with Article 14 of the General Conditions.

ARTICLE 7 CONTRACTOR'S REPRESENTATIONS

7.01 In order to induce OWNER to enter into this Agreement CONTRACTOR makes the following representations:

CONTRACTOR has examined and carefully studied the Contract Documents and the other related data identified in the Bidding Documents.

CONTRACTOR has visited the site and become familiar with and is satisfied as to the general, local and site conditions that may affect cost, progress, and performance of the Work.

CONTRACTOR is familiar with and is satisfied as to all federal, state, and local Laws and Regulations that may affect cost, progress, and performance of the Work.

CONTRACTOR has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or contiguous to the site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the site (except underground facilities) which have been identified in the Supplemental Instructions to Bidders and (2) reports and drawings of a hazardous environmental condition, if any, at the site which has been identified in the Supplemental Instructions to Bidders.

CONTRACTOR has obtained and carefully studied (or assumes responsibility for having done so) all additional or supplementary examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and underground facilities) at or contiguous to the site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences and procedures of construction to be employed by CONTRACTOR, including applying the specific means, methods, techniques, sequences, and procedures of construction, if any, expressly required by the Contract Documents to be employed by CONTRACTOR, and safety precautions and programs incident thereto.

CONTRACTOR does not consider that any further examinations, investigations, exploration, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract Documents.

CONTRACTOR is aware of the general nature of work to be performed by OWNER and others at the Site that relates to the Work as indicated in the Contract Documents.

CONTRACTOR has correlated the information known to CONTRACTOR, information and observations obtained from visits to the site, reports and drawings identified in the Contract Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Contract Documents.

CONTRACTOR has given ENGINEER written notice of all conflicts, errors, ambiguities, or discrepancies that CONTRACTOR has discovered in the Contract Documents, and the written resolution thereof by ENGINEER is acceptable to CONTRACTOR.

The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

ARTICLE 8 CONTRACT DOCUMENTS

8.01 Contents

A. The Contract Documents consist of the following:

1. This Agreement;
2. Performance Bond;
3. Payment Bond;
4. Maintenance and Guarantee Bond;
5. General Conditions;
6. General Specifications;
7. Technical Specifications as listed in the table of contents of the Project Manual;
8. Appendices (excluding geotechnical reports);
9. Drawings consisting of a cover sheet and sheets numbered 1 through 5, inclusive, with each sheet (excluding standard details) bearing the following general title: Main Street CDBG Sidewalk;
10. Addenda (numbers _____ to _____, inclusive);
11. Exhibits to the Agreement (enumerated as follows):
    a. Documentation submitted by CONTRACTOR prior to Notice of Award (pages ___ to ___, inclusive);
    b. _____
12. The following which may be delivered or issued on or after the Effective Date of the Agreement and are not attached hereto:
    a. Written Amendments;
    b. Work Orders;
    c. Change Order(s).

The documents listed in paragraph 8.01.A are attached to this Agreement (except as expressly noted otherwise above).

There are no Contract Documents other than those listed above in this Article 8.

ARTICLE 9 MISCELLANEOUS

9.01 Terms

Terms used in this Agreement will have the meanings indicated in the General Conditions.

9.02 Assignment of Agreement

No assignment by a party hereto of any rights under or interests in the Agreement will be binding on another party hereto without the written consent of the party sought to be bound; and,

specifically but without limitation, moneys that may become due and moneys that are due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.

9.03 Successors and Assigns

OWNER and CONTRACTOR each binds itself, its partners, successors, assigns, and legal representatives to the other party hereto, its partners, successors, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in the Contract Documents.

9.04 Severability

Any provision or part of the Contract Documents held to be void or unenforceable under any Law or Regulation shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon OWNER and CONTRACTOR, who agree that the Contract Documents shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

IN WITNESS WHEREOF, OWNER and CONTRACTOR have signed this Agreement in duplicate. One counterpart each has been delivered to OWNER and CONTRACTOR. All portions of the Contract Documents have been signed or identified by OWNER and CONTRACTOR or on their behalf.

This Agreement will be effective on _____, _____
(which is the Effective Date of the Agreement)

OWNER:

_____

By: _____
(CORPORATE SEAL)

Attest _____

Address for giving notices: _____

_____

_____

(If OWNER is a corporation, attach evidence of authority to sign. If OWNER is a public body, attach evidence of authority to sign and resolution or other documents authorizing execution of OWNER – CONTRACTOR Agreement)

Designated Representative:

Name: _____

Title: _____

Address: _____

_____

Phone: _____

FAX: _____

CONTRACTOR:

_____

By: _____
(CORPORATE SEAL)

Attest _____

Address for giving notices: _____

_____

_____

License No. _____

(Where applicable)

Agent for service of process: _____

_____
(If CONTRACTOR is a corporation or a partnership, attach evidence of authority to sign.)

Designated Representative:

Name: _____

Title: _____

Address: _____

_____

Phone: _____

FAX: _____

PERFORMANCE BOND

Any singular reference to CONTRACTOR, Surety, OWNER or other party shall be considered plural where applicable.

CONTRACTOR (Name and Address):

SURETY (Name and Address of Principal Place of Business): _____
_____
_____
_____

OWNER:
Northfield Township
8350 Main St., Ste. A
Whitmore Lake, MI 48189

CONTRACT
Date:
Amount:
Description: Main Street CDBG Sidewalk
Northfield Township

BOND
Date (Not earlier than Contract Date):
Amount:
Modifications to this Bond Form:

Surety and CONTRACTOR, intending to be legally bound hereby, subject to the terms printed on the reverse side hereof, do each cause this Performance Bond to be duly executed on its behalf by its authorized officer, agent or representative.

CONTRACTOR AS PRINCIPAL	SURETY
Company: _____ (Corp. Seal)	Company: _____ (Corp. Seal)
Signature: _____	Signature: _____
Name & Title: _____	Name & Title: _____ (Attach Power of Attorney)

(Space is provided below for signatures of additional parties, if required).

CONTRACTOR AS PRINCIPAL	SURETY
Company: (Corp. Seal)	Company: _____ (Corp. Seal)
Signature: _____	Signature: _____
Name & Title: _____	Name & Title: _____ (Attach Power of Attorney)

1. The CONTRACTOR and the Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors and assigns to the OWNER for the performance of the Contract, which is incorporated herein by reference.

2. If the CONTRACTOR performs the Contract, the Surety and the CONTRACTOR have no obligation under this Bond, except to participate in conferences as provided in paragraph 3.1

3. If there is no OWNER Default, the Surety's obligation under this Bond shall arise after:

   3.1. The OWNER has notified the CONTRACTOR and the Surety at the addresses described in paragraph 10 below, that the OWNER is considering declaring a CONTRACTOR Default and has requested and attempted to arrange a conference with the CONTRACTOR and the Surety to be held not later than fifteen days after receipt of such notice to discuss methods of performing the Contract. If the OWNER, the CONTRACTOR and the Surety agree, the CONTRACTOR shall be allowed a reasonable time to perform the Contract, but such an agreement shall not waive the OWNER's right, if any, subsequently to declare a CONTRACTOR Default; and

   3.2. The OWNER has declared a CONTRACTOR Default and formally terminated the CONTRACTOR's right to complete the Contract. Such CONTRACTOR Default shall not be declared earlier than twenty days after the CONTRACTOR and the Surety have received notice as provided in paragraph 3.1; and

   3.3. The OWNER has agreed to pay the Balance of the Contract Price to:

      3.3.1. The Surety in accordance with the terms of the Contract;

      3.3.2. Another contractor selected pursuant to paragraph 4.3 to perform the Contract.

4. When the OWNER has satisfied the conditions of paragraph 3, the Surety shall promptly and at the Surety's expense take one of the following actions:

   4.1. Arrange for the CONTRACTOR, with consent of the OWNER, to perform and complete the Contract; or

   4.2. Undertake to perform and complete the Contract itself, through its agents or through independent contractors; or

   4.3. Obtain bids or negotiated proposals from qualified contractors acceptable to the OWNER for a contract for performance and completion of the Contract, arrange for a contract to be prepared for execution by the OWNER and the contractor selected with the OWNER's concurrence, to be secured with performance and payment bonds executed by a qualified surety equivalent to the Bonds issued on the Contract, and pay to the OWNER the amount of damages as described in paragraph 6 in excess of the Balance of the Contract Price incurred by the OWNER resulting from the CONTRACTOR Default; or

   4.4. Waive its right to perform and complete, arrange for completion, or obtain a new contractor and with reasonable promptness under the circumstances;

      4.4.1. After investigation, determine the amount for which it may be liable to the OWNER and, as soon as practicable after the amount is determined, tender payment therefore to the OWNER; or

4.4.2. Deny liability in whole or in part and notify the OWNER citing reasons therefore.

5. If the Surety does not proceed as provided in paragraph 4 with reasonable promptness, the Surety shall be deemed to be in default on the Bond fifteen days after receipt of an additional written notice from the OWNER to the Surety demanding that the Surety perform its obligations under this Bond, and the OWNER shall be entitled to enforce any remedy available to the OWNER. If the Surety proceeds as provided in paragraph 4.4, and the OWNER refuses the payment tendered or the Surety has denied liability, in whole or in part, without further notice the OWNER shall be entitled to enforce any remedy available to the OWNER.

6. After the OWNER has terminated the CONTRACTOR's right to complete the Contract, and if the Surety elects to act under paragraph 4.1, 4.2, or 4.3 above, then the responsibilities of the Surety to the OWNER shall not be greater than those of the CONTRACTOR under the Contract, and the responsibilities of the OWNER to the Surety shall not be greater than those of the OWNER under the Contract. To a limit of the amount of this Bond, but subject to commitment by the OWNER of the Balance of the Contract Price to mitigation of costs and damages on the Contract, the Surety is obligated without duplication for:

   6.1. The responsibilities of the CONTRACTOR for correction of defective Work and completion of the Contract;

   6.2. Additional legal, design professional and delay costs resulting from the CONTRACTOR's Default, and resulting from the actions or failure to act of the Surety under paragraph 4; and

   6.3. Liquidated damages, or if no liquidated damages are specified in the Contract, actual damages caused by delayed performance or non-performance of the CONTRACTOR.

7. The Surety shall not be liable to the OWNER or others for obligations of the CONTRACTOR that are unrelated to the Contract, and the Balance of the Contract Price shall not be reduced or set off on account of any such unrelated obligations. No right of action shall accrue on the bond to any person or entity other than the OWNER or its heirs, executors, administrators, or successors.

8. The Surety hereby waives notice of any change, including changes of time, to the Contract or to related subcontracts, purchase orders and other obligations.

9. Any proceeding, legal or equitable, under this Bond may be instituted in any court of competent jurisdiction in the location in which the Work or part of the Work is located and shall be instituted within two years after CONTRACTOR Default or within two years after the CONTRACTOR ceased working or within two years after the Surety refuses or fails to perform its obligations under this Bond, whichever occurs first. If the provisions of this paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.

10. Notice to the Surety, the OWNER or the CONTRACTOR shall be mailed or delivered to the address shown on the signature page.

11. When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the Contract was being performed, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted here from and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. The intent is that this Bond shall be construed as a

statutory bond and not as a common law bond.

12. Definitions.

12.1. Balance of the Contract Price: The total amount payable by the OWNER to the CONTRACTOR under the Contract after all proper adjustments have been made, including allowance to the CONTRACTOR or any amounts received or to be received by the OWNER in settlement of insurance or other Claims for damages to which the CONTRACTOR is entitled, reduced by all valid and proper payments made to or on behalf of the CONTRACTOR under the Contract.

12.2. Contract: the agreement between the OWNER and the CONTRACTOR identified on the signature page, including all Contract Documents and changes thereto.

12.3. CONTRACTOR Default: Failure of the CONTRACTOR, which has neither been remedied nor waived, to perform or otherwise to comply with the terms of the Contract.

12.4. OWNER Default: Failure of the OWNER, which has neither been remedied nor waived, to pay the CONTRACTOR as required by the contract or to perform and complete or comply with the other terms thereof.

End of Section

PAYMENT BOND

Any singular reference to CONTRACTOR, Surety, OWNER or other party shall be considered plural where applicable.

CONTRACTOR (Name and Address):

SURETY (Name and Address of Principal Place of Business): _____

_____

_____

_____

OWNER:
Northfield Township
8350 Main St., Ste. A
Whitmore Lake, MI 48189

CONTRACT

Date:

Amount:

Description: Main Street CDBG Sidewalk
Northfield Township

BOND

Date (Not earlier than Contract Date):

Amount:

Modifications to this Bond Form:

Surety and CONTRACTOR, intending to be legally bound hereby, subject to the terms printed on the reverse side hereof, do each cause this Payment bond to be duly executed on its behalf by its authorized officer, agent, or representative.

CONTRACTOR AS PRINCIPAL		SURETY	
Company:	_____ (Corp. Seal)	Company:	_____ (Corp. Seal)
Signature:	_____	Signature:	_____
Name and Title:	_____	Name and Title:	_____ (Attach Power of Attorney)

(Space is provided below for signatures of additional parties, if required).

CONTRACTOR AS PRINCIPAL		SURETY	
Company:	_____ (Corp. Seal)	Company:	_____ (Corp. Seal)
Signature:	_____	Signature:	_____
Name & Title:	_____	Name & Title:	_____ (Attach Power of Attorney)

1. The CONTRACTOR and the Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors and assigns to the OWNER to pay for labor, materials and equipment furnished for use in the performance of the Contract, which is incorporated herein by reference.

2. With respect to the OWNER, this obligation shall be null and void if the CONTRACTOR:

   2.1. Promptly makes payment, directly or indirectly, for all sums due Claimants, and

   2.2. Defends, indemnifies and holds harmless the OWNER from all claims, demands, liens or suits by any person or entity who furnished labor, materials or equipment for use in the performance of the Contract, provided the OWNER has promptly notified the CONTRACTOR and the Surety (at the addresses described in paragraph 12) of any claims, demands, liens or suits and tendered defense of such claims, demands, liens or suits to the CONTRACTOR and the Surety, and provided there is no OWNER Default.

3. With respect to Claimants, this obligation shall be null and void if the CONTRACTOR promptly makes payment, directly or indirectly, for all sums due.

4. The Surety shall have no obligation to Claimants under this Bond until:

   4.1. Claimants who are employed by or have a direct contract with the CONTRACTOR have given notice to the surety (at the addresses described in paragraph 12) and sent a copy, or notice thereof, to the OWNER, stating that a claim is being made under this Bond and, with substantial accuracy, the amount of the claim.

   4.2. Claimants who do not have a direct contract with the CONTRACTOR:

      4.2.1. Have furnished written notice to the CONTRACTOR and sent a copy, or notice thereof, to the OWNER, within 90 days after having last performed labor or last furnished materials or equipment included in the claim stating, with substantial accuracy, the amount of the claim and the name of the party to whom the materials were furnished or supplied or for whom the labor was done or performed; and

      4.2.2. Have either received a rejection in whole or in part from the CONTRACTOR, or not received within 30 days of furnishing the above notice any communication from the CONTRACTOR by which the CONTRACTOR had indicated the claim will be paid directly or indirectly; and

      4.2.3. Not having been paid within the above 30 days, have sent a written notice to the Surety and sent a copy, or notice thereof, to the OWNER, stating that a claim is being made under this Bond and enclosing a copy of the previous written notice furnished to the CONTRACTOR.

5. If a notice required by paragraph 4 is given by the OWNER to the CONTRACTOR or to the Surety, that is sufficient compliance.

6. When the Claimant has satisfied the conditions of paragraph 4, the Surety shall promptly and at the Surety's expense take the following actions:

   6.1. Send an answer to the Claimant, with a copy to the OWNER, within 45 days after receipt of the claim, stating the amounts that are undisputed and the basis for challenging any amounts that are disputed.

   6.2. Pay or arrange for payment of any undisputed amounts.

7. The Surety's total obligation shall not exceed the amount of this Bond, and the amount of this Bond shall be credited for any payments made in good faith by the Surety.

8. Amounts owed by the OWNER to the CONTRACTOR under the Contract shall be used for the performance of the Contract and to satisfy claims, if any, under any Performance Bond. By the CONTRACTOR

furnishing and the OWNER accepting this Bond, they agree that all funds earned by the CONTRACTOR in the performance of the Contract are dedicated to satisfy obligations of the CONTRACTOR and the Surety under this Bond, subject to the OWNER's priority to use the funds for the completion of the Work.

9. The Surety shall not be liable to the OWNER, Claimants or others for obligations of the CONTRACTOR that are unrelated to the Contract. The OWNER shall not be liable for payment of any costs or expenses of any Claimant under this Bond, and shall have under this Bond no obligations to make payments to, give notices on behalf of, or otherwise have obligations to Claimants under this Bond.

10. The Surety hereby waives notice of any change, including changes of time, to the Contract or to related subcontracts, purchase orders and other obligations.

11. No suit or action shall be commenced by a Claimant under this Bond other than in a court of competent jurisdiction in the location in which the Work or part of the Work is located or after the expiration of one year from the date (1) on which the Claimant gave the notice required by paragraph 4.1 or paragraph 4.2.3, or (2) on which the last labor or service was performed by anyone or the last materials or equipment were furnished by anyone under the Construction Contract, whichever of (1) or (2) first occurs. If the provisions of this paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.

12. Notice to the Surety, the OWNER or the CONTRACTOR shall be mailed or delivered to the addressee shown on the signature page. Actual receipt of notice by Surety, the OWNER or the CONTRACTOR, however accomplished, shall be sufficient compliance as of the date received at the address shown on the signature page.

13. When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the Contract was to be performed, any provision in the Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. The intent is, that this Bond shall be construed as a statutory Bond and not as a common law bond.

14. Upon request of any person or entity appearing to be a potential beneficiary of this Bond, the CONTRACTOR shall promptly furnish a copy of the Bond or shall permit a copy to be made.

15. DEFINITIONS

    15.1. Claimant: an individual or entity having a direct contract with the CONTRACTOR or with a Subcontractor of the CONTRACTOR to furnish labor, material or equipment for use in the performance of the Contract. The intent of this Bond shall be to include without limitation in the terms "labor, materials or equipment" that part of water, gas, power, light, heat, oil, gasoline, telephone service or rental equipment used in the Contract, architectural and engineering services required for performance of the Work of the CONTRACTOR and the CONTRACTOR's Subcontractors, and all other items for which a mechanic's lien may be asserted in the jurisdiction where the labor, materials or equipment were furnished.

    15.2. Contract: The agreement between the OWNER and the CONTRACTOR identified on the signature page, including all Contract Documents and changes thereto.

    15.3. OWNER Default: Failure of the OWNER, which has neither been remedied nor waived, to pay the CONTRACTOR as required by the Contract or to perform and complete or comply with the other terms thereof.

End of Section

MAINTENANCE AND GUARANTEE BOND

KNOW ALL MEN BY THESE PRESENTS, That we _____ (contractor name), as Principal, and _____, as Surety, are held and firmly bound unto the Northfield Township, 8350 Main St., Ste. A, Whitmore Lake, MI 48189, as Owner, in the sum of _____ DOLLARS and _____ CENTS ($ _____) good and lawful money of the United States of America, to be paid to said Northfield Township, its legal representatives and assigns for which payment well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, and each and every one of them jointly and severally, firmly by these presents.

Sealed with our seals and dated this _____ day of _____ A.D. 20 _____ .

WHEREAS, the above named Principal has entered into a certain written Contract with Northfield Township dated this ____ day of _____ A.D. 20 _____ , wherein the said Principal covenanted and agreed to follows, to-wit: TO CONSTRUCT THE WORK IN ACCORDANCE WITH THE SPECIFICATIONS, CONTRACT DOCUMENTS AND DRAWINGS TITLED: Main Street CDBG Sidewalk, OHM JOB NO. 0161-15-0020.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that by and under said Contract, the above named Principal has agreed with the Northfield Township that for a period of TWO year(s) from date of payment of Final Estimate, to keep in good order and repair any defect in all work done under said Contract either by the Principal or his Subcontractors, or his material suppliers, that may develop during said period due to improper materials, defective equipment, workmanship or arrangements, and any other work affected in making good such imperfections, shall also be made good all without expense to the OWNER, excepting only such parts or part of said work as may have been disturbed without consent or approval of the Principal after final acceptance of the work, and that whenever directed to do so by the OWNER by notice served in writing, either personally or by mail, on the Principal at _____ (contractor's city, state, and zip code), _____ legal representatives, or successors, or on the Surety at _____ _____ WILL PROCEED at once to make such repairs as directed by said OWNER; and in case of failure so to do within one week from the date of service of such notice, or within reasonable time not less than one week, as shall be fixed in said notice, then the said OWNER shall have the right to purchase such materials and employ such labor and equipment as may be necessary for the purpose, and to undertake, do and make such repairs and charge the expense thereof to, and receive same from, said Principal or Surety. If any repair is necessary to be made at once to protect life and property, then and in that case, the said OWNER may take immediate steps to repair or barricade such defects without notice to the CONTRACTOR. In such accounting the said OWNER shall not be held to obtain the lowest figures for the doing of the work, or any part thereof, but all sums actually paid therefore shall be charged to the Principal or Surety. In this connection the judgment of the OWNER is final and conclusive. If the said Principal for a period of TWO year(s) from the date of payment of Final Estimate, shall keep said work so constructed under said Contract in good order and repair, excepting only such part or parts of said work which may have been disturbed without the consent or approval of said Principal after final acceptance of same, and shall whenever notice is given as hereinbefore specified, at once proceed to make repair as in said notice directed, or shall reimburse said OWNER for any expense incurred by making such repairs, should the Principal or Surety fail to do as hereinbefore specified, and shall fully indemnify, defend and save harmless the said Owner and Orchard, Hiltz & McCliment, Inc. from all suits and actions for damages of every name and description brought or claimed against it for, or on account of, any injury or damage to person or property received or sustained by any party or parties, by or from any of the acts or omissions or through the negligence of said

Principal, servants, agents or employees, in the prosecution of the work included in said Contract, and from any and all claims arising under the Workman's Compensation Act, so-called, of the State of Michigan, then the above obligation shall be void, otherwise to remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have caused this instrument to be executed by their respective authorized officers this _____ day of _____ A.D., 20 _____.

Signed, Sealed and Delivered
In the Presence of:

_____	_____
Signature	Signature
_____	_____
Name	Name
	_____
	Principal
_____	_____
Signature	Signature
_____	_____
Name	Name
	_____
	Surety

CONTRACTOR'S AFFIDAVIT

STATE OF MICHIGAN)

)SS.

COUNTY OF _____)

The undersigned, _____, CONTRACTOR, hereby represents that on _____, 20____ he (it) was awarded a Contract by Northfield Township hereinafter called the OWNER, to construct Main Street CDBG Sidewalk in accordance with the terms and conditions of Contract No. _____; and the undersigned further represents that the subject work has now been accomplished and the said Contract has now been completed.

The undersigned hereby warrants and certifies that all of his (its) indebtedness arising by reason of said Contract has been fully or satisfactorily secured, and that all claims from subcontractors and others for labor and material used in accomplishing the said project, as well as all other claims arising from performance of said Contract, have been fully paid or satisfactorily secured. The undersigned further agrees that if any such claim should hereafter arise, he (it) shall assume responsibility for same immediately upon request to do so by the OWNER.

The undersigned, for a valuable consideration, receipt of which is hereby acknowledged, does further hereby waive, release and relinquish any and all claims or right of lien which the undersigned now has or may hereafter acquire upon the subject premises for labor and material used in accomplishing said project owned by the OWNER.

This affidavit is freely and voluntarily given with full knowledge of the facts on this _____ day of _____, 20_____ .

_____

Contractor

By: _____

Title _____

Subscribed and sworn to before me, a Notary Public in and for _____ County, Michigan, on this _____day of _____, 20 _____ .

Notary Public: _____

My Commission expires: _____

CONTRACTOR'S DECLARATION

I HEREBY DECLARE THAT I HAVE NOT, during the period

_____ to

_____ A.D., 20 _____ performed any work, furnished any material, sustained any loss, damage or delay for any reason, including soil conditions encountered or created, or otherwise done anything for which I shall ask, demand, sue for or claim compensation from Northfield Township or his agents, in addition to the regular items set forth in the Contract numbered _____ and dated _____ A.D., 20 ____ for the Agreement executed between myself and the OWNER, and in the Change Orders for work issued by the OWNER in writing as provided thereunder, except as I hereby make claim for additional compensation and/or extension of time, as set forth on the itemized statement attached hereto.

There (is) (is not) an itemized statement attached.

Date: _____

_____

By: _____

Title: _____

SWORN STATEMENT

State of Michigan
County of: :_____ Date:_____

_____ (deponent) being duly sworn deposes and says:

1. That _____ is the Contractor/Subcontractor for an improvement to the property described on the following page.
2. That the following is a statement of each subcontractor and supplier and laborer, for which the payment of wages or fringe benefits and withholdings is due but unpaid, with whom the Contractor/Subcontractor has Contracted/Subcontracted for performance under the Contract with the Owner or Lessee of the property, and that the amounts due to the persons as of the date hereof are correctly and fully set forth opposite their names as follows:

Name of Subcontractor, Supplier or Laborer	Type of Improvement Furnished	Total Contract Price	Amount Already Paid	Amount Currently Owing	Amount of Laborer Wages Due but Unpaid	Amount of Labor, Fringe Benefits & Withholdings due but Unpaid

The contracts or subcontracts cited herein are for improvement to the following described real property situated in Washtenaw County, Michigan, described as:

(Insert legal description of property) _____

_____

_____

Commonly known as:

Main Street CDBG Sidewalk

OHM Job Number:

0161-15-0020

3. That the Contractor has not procured material from, or subcontracted with, any person other than those set forth above and owes no money for the improvement other than the sums set forth above.

4. Deponent further says that he makes the foregoing statement as the Contractor/Subcontractor or as Controller of the Contractor/Subcontractor for the purpose of representing to the owner of the above described premises and his agents that the above described property is free from claims of construction liens, or the possibility of construction liens, except as specifically set forth above and except for claims of construction liens by laborers which may be provided pursuant to Section 109 of the Construction Lien Act, Act No. 497 of the Public Acts of 1980, as amended, being Section 570.1109 of the Michigan Compiled Laws.

WARNING TO OWNER: An Owner of the above described property may not rely on this sworn statement to avoid the claim of a Subcontractor, Supplier or Laborer who has provided a Notice of Furnishing (or a Laborer who may provide a Notice of Furnishing pursuant to Section 109 of the Construction Lien Act) to the Designee or to the Owner if the Designee is not named or has died.

Dated: _____ _____

Signature of Deponent

WARNING TO DEPONENT: A person, who with intent to defraud, gives a false sworn statement is subject to criminal penalties as provided in Section 110 of the Construction Lien Act, Act No. 497 of the Public Acts of 1980, as amended, being Section 570.1110 of the Michigan Compiled Laws.

Subscribed and sworn to before me on: _____ in _____County, Michigan

My commission expires: _____ Signature: _____

GENERAL CONDITIONS

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General

1. DEFINITIONS

The following terms as used in the Contract Documents are respectively defined as follows:

"Agreement": The written document between the OWNER and the CONTRACTOR concerning the work to be performed.

"Change Order" - A document recommended by ENGINEER, which is signed by CONTRACTOR and OWNER and authorizes an addition, deletion or revision in the Work, or an adjustment in the Contract Price or the Contract Time, issued on or after the Effective Date of the Agreement.

"Contract" – The entire and integrated written agreement between the OWNER and CONTRACTOR concerning the Work. The Contract supersedes prior negotiations, representations, or agreements, whether written or oral.

"CONTRACTOR": The person, firm or corporation to whom the Contract is awarded by the OWNER and who is subject to the terms thereof and party of the second part of the Agreement.

"ENGINEER": Orchard, Hiltz & McCliment, Inc., Livonia, Michigan

"Construction Observer": The authorized representative of ENGINEER who is assigned to the site or any part thereof.

"OWNER": The public body or authority, corporation, association, firm or person with whom CONTRACTOR has entered into the Agreement: and for whom the work is to be provided; and the party of the first part of the Contract.

"Project Manual" – The bound documentary information prepared for bidding and constructing the Work. A listing of the contents of the Project Manual, which may be bound in one or more volumes, is contained in the table(s) of contents.

"Specifications" - Those portions of the Contract Documents consisting of written technical descriptions of materials, equipment, construction systems, standards and workmanship as applied to the Work and certain administrative details applicable thereto.

"Subcontractor": A person, firm or corporation having a direct contract with CONTRACTOR or with any other subcontractor for the performance of a part of the Work at the site.

"Supplier": A manufacturer, fabricator, supplier, distributor, material man or vendor.

"Supplemental Conditions": The part of the Contract Documents that amends or supplements the General Conditions and/or the Insurance Specifications and the Bond Requirements.

"Work" - The entire completed construction or the various separately identifiable parts thereof required to be furnished under the Contract Documents. Work is the result of performing services, furnishing labor and furnishing and incorporating materials and equipment into the construction, all as required by the Contract Documents.

"Written Notice": Shall be deemed to have been "duly served" when such notice shall have been given or mailed to the CONTRACTOR or his superintendent at the site of the Work or when such notice shall have been given or mailed to the OWNER.

2. CONTRACT DOCUMENTS

The original and three counterparts of the Contract shall be signed by the OWNER and the CONTRACTOR.

The Work under this Contract shall consist of the items listed in the Bid Form, including all incidentals necessary to fully complete the project in accordance with the Contract Documents. The Contract Documents shall consist of the Advertisement, Instructions to Bidders, Supplemental Instructions to Bidders, Supplemental Specifications, Bid Form, Project Plans and Drawings, Standard Plans and Details, Technical Specifications,

General Conditions, General Specifications, Method of Payment, Insurance, Bonds and Agreement.

The Contract Documents comprise the entire agreement between OWNER and CONTRACTOR. The Contract Documents are complimentary, and what is called for by any one shall be as binding as if called for by all. The intent of the Contract Documents is to include in the Contract Price the cost of all labor and material, water, fuel, tools, plant, equipment, light, transportation and all other expenses that may be necessary for the proper execution and completion of the Work.

3. BONDS

The CONTRACTOR shall furnish a surety bond (form included) in an amount at least equal to 100 percent of the Contract Price as security for faithful performance of this Contract. CONTRACTOR shall also furnish a separate surety bond (form included) in an amount at least equal to 100 percent of the Contract Price as security for the payment of all persons performing labor on the project under this Contract, and furnishing materials in connection with this Contract. The Surety on each such bond shall be a duly authorized surety company satisfactory to the OWNER.

The CONTRACTOR shall furnish a Maintenance and Guarantee Bond (form included) covering all Work under this Contract. The guarantee is to cover fifty percent (50%) of the contract amount for a period of two (2) years subsequent to the date of final payment unless otherwise specified.

Should any Surety upon any bond furnished in connection with this Contract become unacceptable to the OWNER, or if any such Surety shall fail to furnish reports as to his financial condition from time to time as requested by the ENGINEER, the CONTRACTOR must promptly furnish such additional security as may be required from time to time by the ENGINEER to protect the interests of the OWNER or persons supplying labor or materials in the prosecution of the Work contemplated by the Contract.

4. CONTRACT DRAWINGS & SPECIFICATIONS

The original drawings prepared by the ENGINEER and included in the Contract Documents may be supplemented by other drawings furnished by the CONTRACTOR and approved by the ENGINEER or supplied to the CONTRACTOR by the ENGINEER during progress of the Work as he may deem to be necessary or expedient. All such supplementary Contract Drawings or instructions are intended to be consistent with the Contract Documents, true developments thereof, and reasonably inferable therefrom. Therefore, no extra charge will be allowed on a claim that particular supplemental contract drawings or instructions differed from the Contract Documents, incurring extra work, unless CONTRACTOR has first brought the matter, in writing, to the ENGINEER's attention for proper adjustment before starting on the work covered by such, and has received from the ENGINEER an order, in writing, to so proceed.

These original and supplemental drawings constitute the drawings according to which the Work is to be done. The CONTRACTOR shall keep at the site of the Work an approved or confirmed copy of all drawings and specifications, and shall at all times give the ENGINEER and OWNER access thereto.

5. COORDINATION OF CONTRACT DOCUMENTS

In case of discrepancy, figured dimensions shall govern over scaled dimensions and the parts of the Contract will prevail over all other parts of the following order:

Supplemental Specifications

Supplemental Instructions to Bidders

Instructions to Bidders

Bid Form

Project Plans and Drawings

Standard Plans & Details

Method of Payment

Technical Specifications

General Conditions

General Specifications

Insurance Specifications and Bond Forms

The CONTRACTOR shall not take advantage of any apparent error or omission in the Contract Documents, and if any inconsistency, omission, or conflict is discovered in the Contract Documents, or if in any place the meaning of the Contract Documents is obscure, uncertain, or in dispute, the ENGINEER will decide as to the true intent.

Information regarding site of the Work given in drawings and specifications has been obtained by the ENGINEER and is believed to be reasonably correct, but the OWNER does not warrant either the completeness or accuracy of such information, and it is the CONTRACTOR's responsibility to verify all such information.

6. PRECONSTRUCTION MEETING

A preconstruction meeting will be held prior to the beginning of any work. The ENGINEER will schedule the meeting as soon as possible after acceptable executed Contract Documents are received from the CONTRACTOR.

Notice of the meeting will be made to the OWNER, the CONTRACTOR, and to the following applicable entities, contingent upon their interest in the project:

Utility Companies

County Road Commission

Michigan Department of Transportation (MDOT)

Michigan Department of Labor-Safety Division

Railroad Companies

Other State, Local and County Agencies

The purpose of the preconstruction meeting is to discuss particular procedures and potential problem areas. The CONTRACTOR is given updates on the conditions of the proposed construction and what is expected as to proper notification in the event of damage to existing utilities.

The CONTRACTOR shall submit in writing at the preconstruction meeting the following information:

Schedule of construction

Sources of materials

Final list of subcontractors

The designated safety officer on the job

Superintendent for the project

Foreman in charge on the job site

Emergency and after hours phone numbers for CONTRACTOR, including Safety Officer, Superintendent and Foreman.

Approval by ENGINEER and OWNER of any construction schedule indicating completion of the work in less time than allotted by the Contract shall not be construed as an acknowledgment, either express or implied, that the work can be completed within the time shown on this schedule, and shall not under any circumstances give rise to a cause of action for damages by the CONTRACTOR.

7. REUSE OF DOCUMENTS

Neither CONTRACTOR nor any subcontractor or supplier or other person or organization performing or furnishing any of the Work under a direct or indirect contract with OWNER shall have or acquire any title to or ownership rights in any of the drawings, specifications or other documents (or copies of any thereof) prepared by or bearing the seal of ENGINEER; and they shall not reuse any of them on extensions of the project or any other project without written consent of OWNER and ENGINEER and specific written verification or adaptation by ENGINEER.

8. AVAILABILITY OF LANDS

OWNER shall furnish, as indicated in the Contract Documents, the lands upon which the work is to be performed, rights-of-way for access thereto, and such other lands which are designated for the use of CONTRACTOR. CONTRACTOR shall provide for all additional lands and access thereto that may be required for temporary construction facilities or storage of materials and equipment.

Permission to use private property shall be obtained prior to any such use by the CONTRACTOR. Written evidence of such permission shall be given to the ENGINEER prior to any such use.

9. PHYSICAL CONDITIONS

Reference is made to the Supplemental Instructions to Bidders for identification of those reports of investigations and tests of subsurface and latent physical conditions at the site or otherwise affecting cost, progress or performance of the Work which have been relied upon by the ENGINEER in preparation of the drawings and specifications. Such reports are not guaranteed as to accuracy or completeness and are not part of the Contract Documents.

10. GENERAL REQUIREMENTS OF MATERIALS & WORKMANSHIP

In the specifications where a particular material or piece of equipment is specified by reference to some particular make or type, or equal, it is not the intent to limit competition but to set up by such reference a standard of quality most easily understood and defined. If materials or equipment of other make or type other than that specified by name are offered by CONTRACTOR they will be given full consideration by the ENGINEER, and the ENGINEER's decision will be final as to whether the materials or equipment offered are equal to those specified.

Unless otherwise stipulated in the specifications, all equipment, materials and articles incorporated in the Work covered by this Contract are to be new and of the best grade of their respective kinds for the purpose. The CONTRACTOR shall, if required, furnish such evidence as to kind and quality of materials as the ENGINEER may require.

The CONTRACTOR shall furnish suitable tools and building appliances and employ competent labor to perform the work to be done, and any labor, tools or appliances that shall not, in the judgment of the ENGINEER, be suitable or competent to produce this result may be ordered from the Work by him, and such labor, tools or appliances shall be substituted therefore by the CONTRACTOR as will meet with the approval of the ENGINEER.

If not otherwise provided, material or work called for in this Contract shall be furnished and performed in accordance with well-known established practice and standards recognized by architects, engineers and the trade.

11. SHOP DRAWINGS & SPECIAL DRAWINGS

Where called for in the specifications, CONTRACTOR shall submit to the ENGINEER for approval in not less than five copies, details, specifications, cuts and drawings of such equipment and structural work as may be required. CONTRACTOR shall make any changes or alterations required by the ENGINEER and resubmit same without delay. Approval of the ENGINEER shall not relieve the CONTRACTOR of responsibility for errors in the drawings, as the ENGINEER's checking is intended to cover compliance with the drawings and specifications and not to enter into every detail of the shop work. No work shall be undertaken until the ENGINEER has approved the shop drawings.

When the work of the CONTRACTOR is of a nature originating with it, full general and detail drawings shall be furnished to the ENGINEER on 24" x 36" size sheets of polyester film base which shall, upon approval, become the property of the OWNER.

It is understood that approval by the ENGINEER of CONTRACTOR's drawings, whether general or detailed, is a general approval relating only to their sufficiency and compliance with waiver of errors, discrepancies or omissions.

12. CHANGES IN QUANTITIES OR PLANS

The OWNER reserves the right to make, by written order, at any time during the Work, such changes in quantities and such alterations in the work as are necessary to satisfactorily complete the project. Such changes in quantities and alterations shall not invalidate the Contract nor release the Surety, and by signing a work order or authorization, the CONTRACTOR agrees to perform the Work as altered and agrees to accept, as payment in full for such Work, the monetary amounts set forth in such written order as balanced by OWNER. In addition, by signing a written order, the CONTRACTOR releases the OWNER from any and all claims for compensation with regard to the items of work specified in the written order; including, but not limited to, any and all claims for delay and overhead, unless the OWNER is notified in writing at the time of signing the authorization that the CONTRACTOR refuses to release the OWNER from such claims. All increases in quantities of work which appear in the Contract as pay items shall be paid for at the Contract Unit Prices. Decreases in quantities included in the Contract shall be deducted from the Contract at the Contract Unit Prices.

13. ESTIMATED QUANTITIES

The quantities of various classes of work to be done and materials to be furnished under this Contract, which have been estimated as stated elsewhere herein, are approximate and only for the purpose of comparing, on a uniform basis, the bids offered for work under this Contract; and neither the OWNER nor the ENGINEER is to be held responsible should any of the said estimated quantities be found incorrect during the construction of the work; and the CONTRACTOR shall make no claim for anticipated profit, nor for loss of profit, because of a difference between the quantities of the various classes of work actually done or materials actually delivered, and the estimated quantities as herein stated.

14. PAYMENTS

Payments for work completed, as recommended by the ENGINEER, will be made as specified herein.

Partial Payments

CONTRACTOR shall submit to OWNER an application for each payment and shall submit a Contractor's Declaration declaring that he has not performed any work, furnished any material, sustained any loss, damage or delay for any reasons, including soil conditions encountered or created, or otherwise done anything for which he will ask, demand, sue for, or claim compensation from the OWNER other than as indicated on the Contractor's Declaration and shall, if required, submit receipts or other vouchers showing his payments for materials and labor, including payments to subcontractors.

Payments, based on progress estimates, will be made on a monthly basis on work completed during the preceding month, less retainage held in accordance with Public Act No. 524 of 1980.

The retainage shall be as follows:

Not more than ten percent (10%) of the dollar value of all work in place until work is fifty percent (50%) in place.

After the work is fifty percent (50%) in place, additional retainage shall not be withheld unless the OWNER determines that the CONTRACTOR is not making satisfactory progress, or for other specific cause relating to the CONTRACTOR's performance under the Contract. If the OWNER so determines, then the retainage amount shall not be more than ten percent (10%) of the dollar value of work more than fifty percent (50%) in place.

Retainage shall be released to CONTRACTOR together with the final progress payment.

The OWNER may withhold payment of any estimate or portion of estimate until the CONTRACTOR shall have furnished satisfactory evidence that he has paid all claims of every nature. The CONTRACTOR shall submit to the OWNER with each application for payment a "Sworn Statement" attesting to all payments made and balances due to all subcontractors and to all suppliers of materials, fuel, and equipment for the project work completed. He shall also attest to all payments made for labor furnished for the work completed. The "Sworn Statement" shall be in a form acceptable to the OWNER and all suppliers and subcontractors shall be listed along with payments made and balances owed to each.

No partial payment shall be considered as acceptance of the work or any portion thereof prior to final completion of the work, and payment of final estimate.

Final Payment

The CONTRACTOR's request for final payment shall be accompanied by the following documents:

Contractor's Declaration

Contractor's Affidavit

Unconditional waivers, as required, from major suppliers and subcontractors

Release of Surety

Release from other public agencies for which permits have been obtained under this Agreement.

Within thirty (30) days after completion of the work under this Agreement to the satisfaction of the OWNER and ENGINEER, in accordance with all and singular terms and stipulations herein contained, the OWNER shall make final payment, from a final estimate made by the ENGINEER. Before final payment is made, the CONTRACTOR shall, as directed by the OWNER, make a Contractor's Affidavit that he has paid all claims of every nature, or secured a release from the Surety or Sureties approving payment of the final estimate by the OWNER. Final payment, when made, shall be considered as final approval and acceptance of the completed work herein specified.

The acceptance by the CONTRACTOR of final payment aforesaid shall operate as, and shall be, a release to the OWNER and his agents, from all claim and liability to the CONTRACTOR for anything done or furnished for, relating to, or affecting the work.

Incorrect/Improper Payments

OWNER shall not, nor shall any officer thereof, be precluded or stopped by any return or certificate made or given by the ENGINEER, or other officer, agent or appointee, under the provision of this Agreement, at any time (either before or after final completion and acceptance of the work and payment made therefore pursuant to any such return or certificates showing the true and correct amount of money due therefore, notwithstanding any such return or certificate, or any payment made in accordance therewith) from demanding and receiving from the CONTRACTOR or his sureties, separately or collectively, such sums as may have been improperly paid said CONTRACTOR by reason of any such return or certificate which has been untruly or incorrectly compiled.

15. EXTENSION OF TIME

All days in which work is suspended by order of the ENGINEER, or in accordance with these specifications, shall automatically extend the time for completion an equal number of days.

In the event work is suspended because the CONTRACTOR does not perform, no extension will be allowed for this period of time.

All requests from CONTRACTOR for extensions of time shall be submitted in writing. Such requests shall detail the reason for the request, provide a realistic revised completion date, and indicate any other

areas which may be impacted by such an extension. Such requests must be submitted to the field ENGINEER within ten (10) days after the occurrence of the incident or situation that brought about a reason for extending the time of completion. The final decision of whether or not to grant an extension of time will be made by the field ENGINEER. In no case will a request be considered if it is submitted after the ten (10) day period has passed.

16. AUTHORITY

No officer, agent or employee of the OWNER shall have power to revoke, alter, enlarge, or relax the stipulations or requirements of the Contract Documents, except insofar as such authority may be specifically conferred by the Contract Documents themselves, without formal authorization to do so, conferred by the Agreement, or by ordinance, resolution or other usual official action by the OWNER.

17. PROGRESS OF WORK

The work shall be prosecuted regularly and uninterruptedly, unless the OWNER shall otherwise specifically direct, with such force and at such points as to insure its full completion within the time stated herein.

If, in the opinion of the ENGINEER, it is necessary or advisable that certain portions of the work be done immediately, the CONTRACTOR, upon written order shall proceed with such work without delay. Should he fail to so proceed, the OWNER may do or cause to be done, such work, and the cost of same will be deducted from any money due or to become due the CONTRACTOR under this Agreement.

18. TIME IS ESSENCE OF CONTRACT

It is distinctly understood and agreed to by the parties hereto that the time specified for completion of the Work is the essence of this Agreement, and CONTRACTOR shall not be entitled to claim performance of this Agreement unless the work is satisfactorily completed, in every respect, within the time herein specified.

19. COMMENCEMENT OF CONTRACT TIME

The Contract Times will commence to run on the thirtieth day after the Effective Date of the Agreement or, if a Notice to Proceed is given, on the day indicated in the Notice to Proceed. A Notice to Proceed may be given at any time within thirty (30) days after the Effective Date of the Agreement. In no event will the Contract Times commence to run later than the sixtieth (60) day after the day of Bid Opening or the thirtieth (30) day after the Effective Date of the Agreement, whichever date is earlier.

Owner Responsibilities

20. EXTRA & FORCE ACCOUNT WORK

When extra work is required, it shall be performed and payment for such work will be on the unit price or lump sum basis agreed to in a written order. When such agreement cannot be reached, the OWNER may order such work, including any required offsite work, to be done by force account. The compensation as herein provided shall be accepted by the CONTRACTOR as payment in full for extra work done by force account, and the said percentages shall cover profit, superintendence, general expense, overhead, miscellaneous unforeseen costs, and the use of small tools and equipment. For approved subcontract work, the CONTRACTOR will be paid an amount equal to six percent (6%) of the total cost of the subcontract work, as reimbursement for administrative costs incurred in connection with the subcontract work.

When it is necessary for the CONTRACTOR to hire a firm to perform a specialized type of work or service for which the CONTRACTOR or subcontractors are not qualified to do, payment will be made at the invoice cost. The CONTRACTOR will be paid an amount equal to six percent (6%) of the invoice cost, as reimbursement for administrative costs. Prior approval by the OWNER is required.

REPORTS:

The CONTRACTOR shall furnish to the OWNER, itemized reports of the costs of all force account work. The reports shall be furnished each week and shall include a certified copy of the weekly payroll and copies of bills for the materials used and the freight charges paid on same. Discount for prompt payment or penalty for late payment will not be considered in determining the net amount of the bill. The net amount of the bill shall be charged to the force account work. Where materials used are not specifically purchased for use on extra work but are taken from the CONTRACTOR's stock, the CONTRACTOR shall submit a certification of the quantity, price, and freight on such materials in lieu of original bills and invoices.

The CONTRACTOR shall prepare itemized statements containing the following detailed information:

Labor: Name, classification, dates, number of hours worked each day, total hours computed to nearest half hour, total hours, rate, and extension for each employee engaged.

Equipment: Designation, number of hours used each day (computed to nearest half hour), total hours, rental rate, and extension for each unit of equipment engaged.

Materials: Quantities of materials, with prices per unit and extensions and freight costs when applicable.

The CONTRACTOR and the OWNER shall compare records of force account work and bring them into agreement at the end of each day.

LABOR:

For all labor and for all craft foreman directly engaged in the specific work, the CONTRACTOR will be paid the actual rate of wages and the number of hours paid said labor and foremen in accordance with approved labor agreements, computed to nearest half hour, to which sum twenty-six (26) percent will be added (this sum includes a one (1) percent allowance for the Single Business Tax). Project foremen will be classified as Superintendents and their compensation will not be included in the payment provided herein.

Bond Premium: Workmen's Compensation Insurance; Personal Injury Public Liability and Property Damage Public Liability Insurance; Unemployment Compensation; Federal Social Security; and payments required to be made to Employer and Employee Trusteeships, the proceeds from which accrue exclusively to the benefit of the employee; will be paid for at actual cost, to which sum twenty (20) percent will be added except that twenty-six (26) percent will be added to the taxable fringe benefits. The CONTRACTOR shall furnish satisfactory evidence of the amounts paid for each of these required costs as related to force account work.

MATERIALS:

For materials, the CONTRACTOR will receive the actual cost delivered to the project site, including freight charges, as shown by copies of bills, to which sum fifteen (15) percent will be added.

If a charge in the amount or type of force account work results in a surplus of the material ordered and delivered to the project site, the OWNER will reimburse the CONTRACTOR for the costs incurred in returning the surplus material to the supplier.

SMALL HAND & POWER TOOLS:

No payment will be allowed for small hand and power tools which are not listed in the Rental Rate Blue Book for Construction Equipment as published by the Equipment Guide Book Company. All small hand and power tools listed in the Rental Rate Blue Book at a rate of less than one (1) dollar per hour will be considered part of overhead and will not be paid for separately.

EQUIPMENT:

For any machinery and equipment, including the foreman's transportation unit, which the OWNER approves for use on extra work

done by force account, the CONTRACTOR will be paid as follows:

The time paid for shall be the period that the equipment is required at the site of the extra work and, in addition, shall include traveling time to the location of the extra work when the equipment is moved under its own power. When transportation from one site to another is by other than its own power, the actual operating time during periods of loading and unloading will be paid for at the regular rental rate and transportation costs will be allowed.

When the periods of work are not consecutive and the interval between the termination of a period of work and the commencement of the subsequent period does not exceed thirty (30) days, the rates allowed will be the same as if the periods of work were consecutive.

The rental rate established for each piece of CONTRACTOR owned equipment, including appurtenances and attachments to equipment used will be determined by use of the Rental Rate Blue Book for Construction Equipment Volume 1, 2, or 3, as applicable. The edition which is current at the time the force account work was started will apply.

The established rental rate will be equal to the "Monthly" rate divided by 176; modified by the rate adjustment factor and the applicable map adjustment factor, plus the "Estimated Operating Costs per Hour", to which sum ten (10) percent will be added.

For equipment not listed in the Rental Rate Blue Book, Volume 1, 2, or 3, the rental rate will be determined by using the rate listed for a similar piece of equipment or by proportioning a rate listed so that the capacity, size, horsepower, and age are properly considered.

For equipment for which there are no comparable in the Rental Rate Blue Book, Volume 1, 2, or 3, the monthly rate shall be reasonable, but not more than five (5) percent of the current list price, or invoice, of the equipment. The base hourly rate shall then be determined by dividing the monthly rate by 176 to which sum twenty percent (20%) will be added. The twenty percent (20%) includes adjustments and operating costs.

The rates used for CONTRACTOR owned trucks used to haul material will be those published by MDOT. These rates shall include all adjustments and operating costs. Separate payment for the driver will be allowed. The rates will be reviewed and adjusted periodically.

The rental rate for the foreman's transportation unit will be seven dollars ($7.00) per hour, to which sum twenty percent (20%) will be added.

When leased or rented equipment is used on force account work, the hourly rate used in computation of payment will be the leased or rented rate, except that if the leased or rented rate exceeds the rental rate established by the Rental Blue Book, the established rate determined from the Blue Book will apply. In either case, the Estimated Operating Cost per Hour will be added to the appropriate hourly rate to which sum ten percent (10%) will be added.

In all cases the "Estimated Operating Cost per Hour" includes all fuel, oil, lubrications, tires, parts, and other operating expendables such as truck and labor assigned to the truck for servicing the equipment.

The rental rates allowed herein include the cost of insurance covering the usual insurable risks, including fire and theft. The OWNER will not be liable for losses which can be covered by insurance.

In the event that machinery or equipment is idled, payment may be allowed on a rental basis for the idled equipment as specified herein. Only machinery or equipment actually on the project site at the time of the delay, as required for that phase of construction work in question, will be considered eligible for rental reimbursement. Specialized equipment for machinery directly related to the work, whether on or off the site, may be considered eligible for payment if actually idled and if such idleness can be certified by the CONTRACTOR and verified by the

OWNER. Payment for idled equipment and/or machinery will not be allowed during periods of seasonal suspension of the work.

The rental rate for idled leased or rented equipment will be the leased or rented rate,or the equipment shall be returned and taken off rental as directed by the OWNER.

The rental rate for idled CONTRACTOR owned equipment will be the "Monthly" rate divided by 176; modified by the rate adjustment factor and the applicable map adjustment factor, and then multiplied by fifty percent (50%). No payment will be allowed for operating costs.

Payment will be limited to the difference between the hours worked and eight (8) hours in any one day and to the difference between the hours worked and forty (40) hours in any one week. No provisions of these specifications shall entitle the CONTRACTOR to rental compensation for idled equipment. No additional compensation for overhead will be allowed.

In the event that labor is idled, payment may be allowed provided there is no other location within the project that the labor can be gainfully employed. Payment will be limited to a maximum of eight (8) hours per occurrence and in no case will exceed the amount of the CONTRACTOR's obligation as provided by the CONTRACTOR's current labor agreement. No additional compensation for overhead will be allowed.

21. PAYMENTS WITHHELD

The OWNER may withhold or, on account of subsequently discovered evidence, nullify the whole or a part of any certificate for progress payment to such extent as may be necessary to protect itself from loss on account of:

Defective work not remedied;

Claims filed or reasonable evidence indicating probable filing of claims;

Failure of the CONTRACTOR to make payments properly to subcontractors or for material or labor;

A reasonable doubt that the Agreement can be completed for the balance then unpaid;

Damage to another CONTRACTOR.

When the above grounds are removed, payment shall be made for amounts withheld because of them.

22. USE OF COMPLETE PORTIONS OF THE WORK

The OWNER may, at any time during progress of the work, after written notice to CONTRACTOR, take over and place in service any completed portions of the work which are ready for service, although the entire work of the Agreement is not fully completed, and notwithstanding the time for completion of the entire work or such portions may not have expired. In such event, the CONTRACTOR will be relieved of further work on, or maintenance of, said portion except as covered by his guarantee of same.

Engineer Responsibilities

23. ENGINEER DURING CONSTRUCTION

The Work shall be subject to the approval of the ENGINEER, who shall determine the amount, quality, acceptability, and fitness of the items of work and materials to be furnished hereunder, and who shall decide all questions which may arise as to measurements of quantities and fulfillment of the requirements of the Contract Documents.

24. AUTHORITY & DUTIES OF CONSTRUCTION OBSERVER

Construction Observers may be appointed by the ENGINEER and directed to check or review materials used and completed work. The observation may extend to any parts of the Work and to the preparation or manufacture of the materials for use in the Work. Construction Observers will not be authorized to revoke, alter, enlarge, or relax any of the provisions of the Contract Documents. The Construction Observer will call to the attention of the CONTRACTOR any failure to follow the plans and

specifications that he may observe. In case of any dispute arising between the CONTRACTOR and Construction Observer as to materials furnished or the manner of performing the work, the Construction Observer shall have the authority to reject materials or completed items of work until the question at issue can be referred to and be decided by the ENGINEER. In no instance shall any action or omission on the part of the Construction Observer relieve the CONTRACTOR of the responsibility of completing the Work in accordance with the Contract Documents.

25. LIMITATIONS ON ENGINEER'S RESPONSIBILITIES

Neither ENGINEER's authority or responsibility under this Article or under any other provision of the Contract Documents nor any decision made by ENGINEER in good faith either to exercise or not exercise such authority or responsibility or the undertaking, exercise or performance of any authority or responsibility by ENGINEER shall create, impose or give rise to any duty owed by ENGINEER to CONTRACTOR, any subcontractor, any supplier, any other person or organization, or to any surety for or employee or agent of any of them.

ENGINEER will not supervise, direct, control or have authority over or be responsible for CONTRACTOR's means, methods, techniques, sequences or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of CONTRACTOR to comply with laws and regulations applicable to the furnishing or performance of the Work. ENGINEER will not be responsible for CONTRACTOR's failure to perform or furnish the Work in accordance with the Contract Documents.

ENGINEER will not be responsible for the acts or omissions of CONTRACTOR or of any subcontractor, any supplier, or of any other person or organization performing or furnishing any of the Work.

ENGINEER's review of the final application for payment and accompanying documentation and all maintenance and operating instructions, schedules guarantees, bonds and manufacturer's certificates of inspection, tests, and approvals and other documentation required in Article 14b will only be to determine generally that their content complies with the requirements of, and in the case of manufacturer's certificates of inspections, tests and approvals that the results certified indicate compliance with the Contract Documents.

The limitations upon authority and responsibility set forth in this Section shall also apply to ENGINEER's consultants, authorized representative and assistants.

26. LINES & GRADES

Principal reference lines or points and bench marks may be given by the ENGINEER at such time as he may deem necessary; or, if the CONTRACTOR shall be in need of such reference lines or bench marks, he shall notify the ENGINEER three (3) working days in advance.

The ENGINEER may set suitable stakes and marks showing locations and elevations of the various parts of the work, and will furnish the CONTRACTOR with required data referring to the reference points. No work shall be undertaken until such stakes and marks shall have been set by the ENGINEER. CONTRACTOR shall take due and proper precautions for the preservation of these stakes and marks, shall see that the work at all times proceeds in accordance therewith, and shall provide all labor and material to set the required line and grade control and locate the work accurately with reference to the above points. In case such stakes are destroyed due to the CONTRACTOR's carelessness, they will be replaced at the ENGINEER's earliest convenience and the CONTRACTOR may be back charged for the crew time incurred.

27. TESTING & SAMPLING

Where called for in the specifications, samples of materials in the quantity named shall be submitted to the ENGINEER for approval. Where tests are required, they

shall be made at the expense of the OWNER, except as otherwise called for in the specifications. For materials covered by ASTM or Federal Specifications, or with the specifications of well known or recognized technical and/or trade organizations, unless otherwise stipulated, required tests are to be made by the manufacturer, and his certificate therefore submitted to the ENGINEER.

The ENGINEER and/or OWNER shall determine which materials are required by the specifications to be factory certified or to have chemical or physical analysis or other examination or test. The CONTRACTOR shall furnish to the ENGINEER and/or OWNER two copies of orders for all materials requiring such examination or test as soon as placed. Such orders shall contain complete information, including that as to the quantity, quality, dimensions, sizes, capacities and types, shall contain proper reference to the applicable specifications by title, number and paragraph, and shall show the name and address of the producing factory but need not contain prices or contractual terms.

All materials and workmanship (if not otherwise designated by the specifications) shall be subject to examination and test by the ENGINEER and/or OWNER at any time during manufacture or construction, and at any place where such manufacture or construction is carried on. The ENGINEER and/or OWNER shall have the right to reject defective material and workmanship or require its correction. Rejected workmanship shall be satisfactorily corrected, and rejected material shall be satisfactorily replaced with proper material without charge therefore, and the CONTRACTOR shall promptly segregate and remove rejected material from the premises. If the CONTRACTOR fails to proceed at once with replacement of rejected material and correction of defective workmanship, the OWNER may, by Agreement or otherwise, replace such material and correct such workmanship and charge the cost thereof to the CONTRACTOR, or may immediately terminate the Agreement.

CONTRACTOR shall furnish promptly, without additional charge, all reasonable facilities, labor and materials necessary for the safe and convenient conduct of all construction observations and tests that may be required by the ENGINEER. All construction observations and tests by the ENGINEER and/or OWNER shall be performed in such a manner as not to delay the work unnecessarily. Special, full size, and performance tests shall be as described in the specifications. CONTRACTOR shall be charged with any additional cost of construction observations when material or workmanship is not ready at the time checking is requested by the CONTRACTOR.

Should it be considered necessary or advisable by the ENGINEER and/or OWNER any time before final acceptance of the entire work to make an examination of work already completed, by removing or tearing out same, the CONTRACTOR shall on request promptly furnish all necessary facilities, labor and material. If such work is found to be defective or nonconforming in any material respect, due to the fault of the CONTRACTOR or his subcontractor, CONTRACTOR shall defray all the expenses of such examination and of satisfactory reconstruction, and be responsible for any resulting delay. If, however, such work is found to meet the requirements of the Agreement, the actual cost involved in the examination and replacement shall be allowed the CONTRACTOR and he shall in addition, if completion of the work has been delayed thereby, be granted a suitable extension of time on account of the additional work involved.

Examination of material and finished articles to be incorporated in the work at the site shall be made at place of production, manufacture or shipment stated in the specifications; and such examinations and acceptance, unless otherwise stated in the specifications, shall be final, except as

regards latent defects, departures from specific requirements of the Agreement and the specifications and drawings made a part thereof, damage or loss in transit, fraud or such gross mistakes as amount to fraud. Subject to requirements contained in the preceding sentence, examinations of material and workmanship for final acceptance as a whole or in part shall be made at the site.

Contractor Responsibilities

28. UNFORSEEN PHYSICAL CONDITIONS

CONTRACTOR shall promptly notify the OWNER and ENGINEER in writing of any subsurface or latent physical conditions at the site or in an existing structure differing materially from those indicated or referred to in the Contract Documents. The ENGINEER will promptly review those conditions and advise the OWNER in writing if further investigation or tests are necessary. Promptly thereafter, the OWNER shall obtain the necessary additional investigations and tests and furnish copies to the ENGINEER and the CONTRACTOR. If the ENGINEER finds that the results of such investigations or tests indicate that there are subsurface or latent physical conditions which differ materially from those intended in the Contract Documents, and which could not reasonably have been anticipated by the CONTRACTOR, a Change Order may be issued incorporating the necessary revisions.

29. COMPOSITION OF THE CONTRACTOR

If the CONTRACTOR hereunder is comprised of more than one legal entity, each such entity shall be jointly and severally liable hereunder.

30. ASSIGNMENT OF CONTRACT

The CONTRACTOR shall not sublet, assign or transfer this Agreement or any portion thereof or any payments due him thereunder, without the written consent of the OWNER.

Assignment or subletting the whole or any portion of this Agreement shall not operate to release the CONTRACTOR or his bondsmen hereunder from any of the contract obligations.

The CONTRACTOR agrees that he is fully responsible to the OWNER for the acts and omissions of his subcontractors and of persons either directly or indirectly employed by him. Nothing contained in the Contract Documents shall create any contractual relation between any subcontractors and the OWNER.

Neither the ENGINEER nor any officer, agent or employee of the OWNER shall have any power or authority whatsoever to bind the OWNER or to incur obligation in his behalf to any subcontractors, material supplier or other persons in any manner whatsoever.

31. AGENTS

Work shall be carried on under personal supervision of the CONTRACTOR or his properly authorized representative, who shall be on the grounds at all times during the construction, and who shall have full and responsible charge of the Work with power to receive orders and carry out instructions.

32. SAFETY & PROTECTION

A. People and Property

CONTRACTOR shall be solely responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the Work. CONTRACTOR shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury or loss to:

All persons on the site or who may be affected by the Work;

All the Work and materials and equipment to be incorporated therein, whether in storage on or off the site; and

Other property at the site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, utilities, and Underground Facilities not designated for removal, relocation, or replacement in the course of construction.

B. Site Safety

CONTRACTOR shall comply with all applicable laws and regulations relating to the safety of persons or property, or to the protection of persons or property from damage, injury, or loss; and shall erect and maintain all necessary safeguards for such safety and protection. CONTRACTOR shall notify owners of adjacent property and of underground facilities and other utility owners when prosecution of the Work may affect them, and shall cooperate with them in the protection, removal, relocation, and replacement of their property. All damage, injury, or loss to any property referred to in this section caused, directly or indirectly, in whole or in part, by CONTRACTOR or any subcontractor, supplier, or any other individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, shall be remedied by CONTRACTOR. CONTRACTOR's duties and responsibilities for safety and for protection of the Work shall continue until such time as all the Work is completed and ENGINEER has issued a notice to OWNER and CONTRACTOR that the Work is acceptable (except as otherwise expressly provided in connection with Substantial Completion).

C. Safety Representative

CONTRACTOR shall designate a qualified and experienced safety representative at the site whose duties and responsibilities shall be the prevention of accidents and the maintaining and supervising of safety precautions and programs.

D. Hazard Communication Program

CONTRACTOR shall be responsible for coordinating any exchange of material safety data sheets or other hazard communication information required to be made available to or exchanged between or among employers at the site in accordance with laws or regulations.

E. Compliance with MIOSHA

All of the CONTRACTOR and subcontractors operations and construction equipment shall comply with requirements of the Michigan Occupational Safety and Health Act (MIOSHA) insofar as they apply to the work to be performed under this Contract.

33. CONTRACTOR'S SUPERVISION & ORIGINATION

The Work under this Agreement shall be under the direct supervision and direction of the CONTRACTOR. The CONTRACTOR shall give sufficient supervision to the Work, using his best skill and attention. The CONTRACTOR shall, at all times, keep on the site of the Work during its progress a competent superintendent and any and all necessary foremen and assistants. The superintendent shall represent and have full authority to act for the CONTRACTOR in the latter's absence, and all directions given to him shall be as binding as if given to the CONTRACTOR. On written request in each case, all such directions will be confirmed in writing to the CONTRACTOR.

The CONTRACTOR shall employ only competent, efficient workmen and shall not use on the Work any unfit person or one not skilled in the work assigned to him, and he shall at all times enforce strict discipline and good order among his employees. Whenever the ENGINEER shall notify the CONTRACTOR, in writing, that any man on the Work is, in the opinion of the ENGINEER, careless, incompetent, disorderly, or otherwise unsatisfactory, such man shall be discharged from the work and shall not again be employed on it except with the written consent of the ENGINEER.

The CONTRACTOR shall establish and maintain an office on the site of the work, or at some convenient point adjacent thereto, during the continuance of this Agreement and shall have at all times during working hours, a representative authorized to receive and execute any and all orders, when given by the ENGINEER; and such order, when given out and received by said representative shall be deemed to have been

given to and received by the CONTRACTOR. Copies of the drawings and specifications shall at all times be kept on file by the CONTRACTOR at readily accessible points near the work.

34. CONTRACTOR'S RIGHT TO STOP WORK

If the work should be stopped under an order of any court, or other public authority for a period of three months, through no act or fault of the CONTRACTOR or of anyone employed by him, or if the OWNER should fail to pay to the CONTRACTOR within sixty (60) days of its maturity and presentation any sum certified by the ENGINEER, provided no appeal is taken, the CONTRACTOR may, upon seven (7) days' written notice to the OWNER and the ENGINEER, stop work or terminate this Agreement, and shall receive from the OWNER payment in full for all work executed, as determined from the prices contained in the approved detailed estimate as computed by the ENGINEER, but no claim for extra compensation or damages shall be made or allowed because of such termination of the Agreement.

35. STORAGE OF MATERIALS

Materials and equipment distributed, stored and placed upon or near the site of the Work shall at all times be so disposed as not to interfere with work being prosecuted by other contractors in the employ of the OWNER, or with street drainage, or with fire hydrants or with access thereto, and not to hinder any more than may be necessary the ordinary traffic (either vehicular or pedestrian) of the street.

36. CLEANING UP

The CONTRACTOR shall, as directed by the ENGINEER, remove at his own expense from the OWNER's property and from all public and private property all temporary structures, rubbish and waste materials resulting from his operations. This requirement shall not apply to property used for permanent disposal of rubbish or waste materials in accordance with permission of such disposal granted to the CONTRACTOR by the OWNER thereof.

37. SUNDAY & NIGHT WORK

The CONTRACTOR is required to prosecute work done under this Agreement during the hours of daylight, and no work will be permitted at night or on Sundays, except to save property or life, or as specifically authorized or directed by the ENGINEER.

No work shall be permitted on holidays.

38. SANITARY REGULATIONS

Sanitary conveniences for the use of project personnel properly secluded from public observation shall be constructed and maintained in sanitary condition by the CONTRACTOR. Its use shall be strictly enforced.

39. PERMITS & REGULATIONS

The CONTRACTOR shall secure, at no cost to the OWNER, all permits and licenses necessary for the prosecution of the Work. He shall pay for same at his own expense as well as for any inspection fees required in connection with such permits, and shall conduct his operations in accordance with the provisions of such permits, including tunneling of pavements where required. He shall also furnish any required bonds and pay the cost of same.

The CONTRACTOR shall keep himself fully informed of all laws, ordinances, and regulations in any manner affecting those engaged or employed in the Work or materials used in the Work, or in any way affecting the conduct of the Work, and of all orders and decrees of bodies or tribunals having any jurisdiction or authority over the same.

He shall at all times observe and comply with, and shall cause all his agents and employees to observe and comply with all existing and future laws, ordinances, regulations, orders and decrees; provided, that if the drawings and specifications are at variance therewith, the CONTRACTOR shall promptly notify the ENGINEER in

writing and any necessary changes shall be adjusted as provided in the Contract Documents.

All work shall be executed and checked in accordance with all local and state rules and regulations and all established codes applicable thereto and shall conform in all respects to the requirements of all competent authorities having jurisdiction there over.

Should any change in plans and specifications be required to comply with local regulations, CONTRACTOR shall notify the OWNER at the time of submitting his bid. After entering into Agreement, CONTRACTOR will be held to complete the work necessary to meet local requirements without extra expense to the OWNER.

Where the work required by the drawings and specifications is above the standard required, it shall be done as shown or specified.

40. GUARANTEE

The CONTRACTOR, as a condition precedent to final payment, shall execute a guarantee to the OWNER warranting for a period of two (2) years from date of final payment to keep in good order and repair any defect in all the work done under the Agreement, either by the CONTRACTOR, his subcontractors, or material suppliers, that may develop during said period due to improper materials, defective equipment, improper materials workmanship, or arrangements, and any other work affected in making good such imperfections shall also be made good, all without expense to the OWNER, and CONTRACTOR shall execute, in favor of the OWNER the attached Maintenance and Guarantee Bond.

41. PATENTS

CONTRACTOR shall pay all royalties and license fees and shall hold and save the OWNER and his agents harmless from all liability of any nature or kind, including cost and expenses for, or on account of, any patented or unpatented invention, process, article or appliance manufactured or used in performance of the Agreement, including its use by the OWNER, unless otherwise specifically stipulated in the Contract Documents. In this respect the CONTRACTOR shall defend all suits or claims for infringement of any patent or license right.

In the event that any claim, suit or action at law or inequity of any kind whatsoever is brought against the OWNER, involving any such patents or license rights, then the OWNER shall have the right to, and may retain, from any money due or to become due to the CONTRACTOR, such sufficient sum as is considered necessary to protect said OWNER against loss, and such sum may be retained by the OWNER until such claim or suit shall have been settled and satisfactory evidence to that effect shall have been furnished the OWNER.

42. INFORMATION BY THE CONTRACTOR

The CONTRACTOR shall submit to the ENGINEER full information as to the materials, equipment and arrangements that the CONTRACTOR proposes to furnish. This information shall be complete to the extent that the ENGINEER may intelligently judge if the proposed materials, equipment and arrangements will meet with the requirements of the Contract Documents.

Prior to approval of the materials, equipment and arrangements by the ENGINEER, based on the information submitted by the CONTRACTOR, any work done by the CONTRACTOR shall be at his own risk.

Approval of information covering materials, equipment and arrangements by the ENGINEER shall in no way release CONTRACTOR from his responsibility for the proper design, installation and performance of any material, equipment or arrangement, or from his liability to replace same should it prove defective.

43. FORFEITURE OF CONTRACT

If work to be done under the Contract Documents shall be abandoned by CONTRACTOR or if, at any time in the

judgment of the OWNER, CONTRACTOR shall fail to prosecute the Work at a reasonable rate of progress, or to comply with all or any of the terms and requirements herein set forth, then the OWNER shall have the right to take possession of the Work, including CONTRACTOR's plant, supplies and materials, at any time after having notified the CONTRACTOR, in writing, to discontinue work under this Agreement for said cause or causes, and such action shall not affect the right of the OWNER to recover damages resulting from such failure. Upon receiving such notice the CONTRACTOR shall and will, upon demand, immediately give the OWNER safe and peaceable possession of the Work, including the plant, and shall then cease to have control over any portion thereof or the men employed thereon.

The OWNER may then proceed to complete the Work herein specified, by Agreement or otherwise; and the entire cost of same shall be charged to the CONTRACTOR and deducted from any sum or sums due or to become due under the Agreement; the excess cost, if any, to be paid by CONTRACTOR or his sureties to said OWNER.

44. RELATION TO OTHER CONTRACTORS

CONTRACTOR shall so conduct his operations as not to interfere with or injure the work of other contractor's or workmen employed on adjoining or related work, and he shall promptly make good any injury or damage which may be done to such work by him or his employees or agents. Should a contract for adjoining work be awarded to another contractor, and should the work of one of these contracts interfere with that of the other, the OWNER shall decide which contractor shall cease work for the time being and which shall continue, or whether work in both contracts shall continue at the same time and in what manner.

45. "OR EQUAL" CLAUSE

Whenever, in any of the Contract Documents an article, material or equipment is defined by describing a proprietary product or by using the name of a manufacturer or vendor, the term "or equal", if not inserted, shall be implied. The specific article, material or equipment mentioned shall be understood as indicating the type, function, minimum standard of design, efficiency and quality desired, and shall not be construed in such a manner as to exclude manufacturers' products of comparable quality, design and efficiency. If the CONTRACTOR proposes any "or equal" substitutes, these substitutes shall be subject to the review and approval of the OWNER before they can be incorporated into the work.

Legal

46. INDEMNIFICATION

To the fullest extent permitted by Laws and Regulations, CONTRACTOR shall indemnify and hold harmless OWNER and ENGINEER and their consultants, agents and employees from and against all claims, damages, losses and expenses, direct, indirect or consequential (including but not limited to fees and charges of engineers, architects, attorneys and other professionals and court and arbitration costs) arising out of or resulting from the performance of the Work, provided that any such claim, damage, loss or expense (a) is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself) including the loss of use resulting therefrom and (b) is caused in whole or in part by any negligent act or omission of CONTRACTOR, any subcontractors, any person or organization directly or indirectly employed by any of them to perform or furnish any of the Work or anyone for whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder or arises by or is imposed by Law and Regulations regardless of the negligence of any such party.

In any and all claims against OWNER or ENGINEER or any of their consultants,

agents or employees by any employee of CONTRACTOR, any subcontractors, any person or organization directly or indirectly employed by any of them to perform or furnish any of the Work or anyone for whose acts of them may be liable, the indemnification obligation under the preceding paragraph shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for CONTRACTOR or any such subcontractors or other person or organization under worker's or workmen's compensation acts, disability benefit acts or other employee benefit acts.

The obligations of the CONTRACTOR under this article shall not extend to the liability of ENGINEER, ENGINEER's consultants, agents or employees arising out of the preparation or approval of drawings, opinions, reports, surveys, change orders, designs or specifications.

47. CONTROLLING LAW

In the case of a legal dispute between the OWNER and the CONTRACTOR the law of the state of Michigan shall govern. The venue for resolving any legal dispute between the two parties will be within the County of the OWNER's legal address.

48. NO WAIVER OF CONTRACT

Neither acceptance of the whole or any part of the Work by the OWNER or his ENGINEER, or any of its agents, nor any order, measurements or certificate by the ENGINEER, nor any order by OWNER for payment of money, nor any payment for the whole or any part of the Work by OWNER, nor any extension of time, nor any possession taken by the OWNER or its agents, shall operate as a waiver for any portion of the Contract Documents or any power therein provided; nor shall any waiver of any breach of contract be held to be a waiver of any other or subsequent breach.

49. DISPUTE RESOLUTION

Dispute resolution methods and procedures, if any, shall be as set forth in the Supplemental Specifications. If no method and procedure has been set forth, OWNER and CONTRACTOR may exercise such rights or remedies as either may otherwise have under the Contract Documents or by Laws or Regulations in respect of any dispute.

50. GIVING NOTICE

Whenever any provision of the Contract Documents requires the giving of written notice, it will be deemed to have been validly given if delivered in person to the individual or to a member of the firm or to an officer of the corporation for whom it is intended, or if delivered at or sent by registered or certified mail, postage prepaid, to the last business address known to the giver of the notice.

51. CUMULATIVE REMEDIES

The duties and obligations imposed by these General Conditions and the rights and remedies available hereunder to the parties hereto are in addition to, and are not to be construed in any way as a limitation of, any rights and remedies available to any or all of them which are otherwise imposed or available by Laws or Regulations, by special warranty or guarantee, or by other provision of the Contract Documents, and the provisions of this paragraph will be as effective as if repeated specifically in the contract Documents in connection with each particular duty, obligation, right, and remedy to which they apply.

End of Section

GENERAL SPECIFICATIONS

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1. EXISTING UNDERGROUND STRUCTURES & UTILITIES

The location of public or private utilities shown on the plans is in accordance with the best information available. No guarantee is given that the locations are absolutely accurate or that utilities other than those shown are not present.

For protection of underground utilities, the CONTRACTOR shall contact "MISS DIG" at 1-800-482-7171 a minimum of three (3) working days prior to excavating. This does not relieve the CONTRACTOR of the responsibility of notifying utility OWNERs who may not be part of the "MISS DIG" alert system.

2. SOIL CONDITIONS

If soil borings have been taken for this project, then they are included in an appendix.

Where the OWNER has caused soil borings to be made to aid the ENGINEER in design of the work, these boring logs are provided herein for the prospective bidder to examine. This information is given to bidders as an aid in determining the character of the soil and groundwater conditions. The OWNER does not guarantee that the ground encountered during construction will conform to the borings. Bidders should secure such other information as they consider necessary to check and supplement the above data.

The CONTRACTOR shall complete the work in whatever materials, and under whatever conditions he may encounter or create.

3. SOIL EROSION AND SEDIMENTATION CONTROL

The CONTRACTOR shall comply with the requirements of the Soil Erosion and Sedimentation Control Act of the State of Michigan, Part 91 of ACT 451 of PA of 1994 and with all the requirements, rules and standards of the official enforcing agent for the project location.

If a soil erosion control permit is required on this project, the CONTRACTOR shall adhere to the specific conditions of the project permit. Where the permit is issued in the name of the CONTRACTOR and requires that a bond be posted, the

CONTRACTOR shall include in his bid the permit fee and bond expense.

The ENGINEER shall have full authority to require compliance with the soil erosion control requirements and may order suspension of the work if measures are not adequate or a problem develops requiring additional soil erosion control measures. Any ordered suspension of the work shall not be grounds for CONTRACTOR's claims for "down time" or "lost time".

4. PRESERVATION, PROTECTION & USE OF SURVEY CONTROLS, MONUMENT POINTS & GRADE STAKES

During the progress of the work, the CONTRACTOR may encounter section line, fractional section line, and property controlling corner monuments. Insofar as is known, such public land survey corners and property monuments have been indicated on the plans.

The CONTRACTOR shall be responsible for complying with the requirements of Michigan Public Act 34. Specifically, he shall be responsible for notifying the county surveyor before removing a public land survey corner monument for construction activities. In addition, if construction time constraints will result in the public land survey corner monument being removed for more than one year, then the CONTRACTOR shall arrange to have a temporary corner monument set until the permanent one can be re-established. The costs of removing and replacing public land survey corner monuments as well as setting temporary corner monuments shall be the responsibility of the CONTRACTOR unless pay items are provided in the bid form for these tasks. The CONTRACTOR shall not remove any such monument until the ENGINEER has witness points as reference for resetting of such monuments. After referencing has been done and suitable permanent sketches prepared, the ENGINEER will give permission to the CONTRACTOR for removal of the monument. Monuments and monument boxes shall be reset only after all backfilling has fully settled.

The CONTRACTOR shall protect and preserve all monument points, property corners, grade stakes, line and reference points. Where stakes and markers are disturbed or removed due to operations under this Contract, the CONTRACTOR shall be charged at invoice cost by the ENGINEER for replacing the points. Care shall be exercised by the CONTRACTOR when operating near the markers, as any carelessness in operations will also cause a time delay to the schedule due to additional stakeout time required to replace reference points, lines, etc.

The CONTRACTOR shall accurately locate the work from reference points established by the ENGINEER along the surface of the ground and line of work.

5. PROTECTION OF PUBLIC & PRIVATE UTILITIES

Where any utility, water, sewer, gas, telephone or any other public or private utilities are encountered, the CONTRACTOR must provide adequate protection for them, and he will be held responsible for any damages to such utilities arising from his operations.

When it is apparent that construction operations may endanger the foundation of any utility, conduit, or support of any structure, the CONTRACTOR shall notify the utility OWNER of this possibility, and he shall take such steps as may be required to provide temporary bracing or support of conduits or structures.

In all cases where permits or inspection fees are required by utilities in connection with changes to or temporary support of their conduits, the CONTRACTOR shall secure permits and pay all inspection fees.

When it is necessary in order to carry out the work that a pole, telephone or electric, be moved to a new location or moved and replaced after construction, the CONTRACTOR shall arrange for moving such pole or poles and the lines thereof, and shall pay any charges.

Where it is the policy of any utility owner to make his own repairs to damaged conduit or other structures, the CONTRACTOR shall cooperate to the fullest extent with the utility OWNER and shall see that his operations interfere as little as possible with the utility OWNER's operations.

6. MISCELLANEOUS DAMAGES

The CONTRACTOR shall be responsible for repairing all damages to existing lawns, sidewalk, parking lots, streets or other areas outside the limits of the Contract. Private utilities, private ornamental gas or electric lights, sprinkler systems, fences, shrubs, trees, existing sidewalk, or any other surface or subsurface items of value damaged by the CONTRACTOR shall be repaired, replaced or removed and replaced to at least equal condition at the CONTRACTOR's expense unless otherwise specified on the plans.

7. SUMP PUMP DISCHARGE PIPE & LOCAL SERVICES

Any discharge pipe from sump pumps or yard drains encountered on this project, whether or not shown on the plans, which discharges to existing ditches and/or storm sewers or cross public or private easements, shall be maintained, replaced, or reconnected as necessary. Bulkheads shall be placed only as approved by the Engineer. Sump pump connections shall be made to the storm drain pipe by a coring method as approved by the ENGINEER. The CONTRACTOR shall use adequate measures to prevent soil erosion, sedimentation, and/or ponding when connecting discharge pipes to existing or proposed ditches. This work shall be considered as incidental to the cost of the project.

8. EXISTING SEWER FACILITIES

Existing sewers or drains may be encountered along the line of work. In all such cases, the CONTRACTOR shall perform his operation in such a manner that sewer service will not be interrupted. He shall, at his own expense, make all temporary provisions to maintain sewer service.

Unless otherwise indicated on the plans, the CONTRACTOR shall replace, at his own expense, any disturbed sewer or drain, or relay same at a new grade to be established by the ENGINEER such that sufficient clearance for the sewer will be provided.

9. EXISTING WATER FACILITIES

Where existing water mains and/or water services are encountered in the work, they shall be maintained in operation. They shall be relayed if necessary using the class of pipe and fittings standard to the OWNER of the main.

10. EXISTING GAS FACILITIES

Where existing gas mains are encountered, the CONTRACTOR shall immediately notify the ENGINEER and the gas company. The CONTRACTOR shall then arrange with the gas company for any necessary relocation. The CONTRACTOR will receive no extra compensation on account of delays incurred in conjunction with such relocations.

11. EXISTING ELECTRIC, CABLE, AND TELECOMMUNICATIONS

Where existing electric, cable, or telecommunications facilities are encountered, the CONTRACTOR shall immediately notify the ENGINEER and the affected utility company(ies). The CONTRACTOR shall then arrange with the

utility company for any necessary relocation. The CONTRACTOR will receive no extra compensation on account of delays incurred in conjunction with such relocations.

12. PRESERVATION OF TREES & SHRUBBERY

No trees or shrubbery of any kind shall be removed or destroyed by the CONTRACTOR without written permission of the ENGINEER. The CONTRACTOR will be held fully responsible for any damages caused by his work to adjoining trees and shrubs. Ample precautions shall be taken by the CONTRACTOR to protect such trees and shrubs that are to remain in place by surrounding them with fences or other protection before construction begins. Shrubbery that must be removed shall be preserved and replaced in a manner acceptable to the OWNER.

The CONTRACTOR shall protect and/or replace all shrubbery damaged or destroyed by operations under this Contract. The CONTRACTOR shall receive no extra compensation for preservation of trees and shrubbery.

13. TRIMMING TREES & SHRUBS

Where necessary in the field, the CONTRACTOR shall trim trees and shrubs by a method approved by the ENGINEER. All cut surfaces over one inch in diameter shall be painted with grafting wax. All branches which have been damaged by construction shall be pruned correctly to branch collars, to help promote the health of the tree. Also, any abrasions or gouges afflicted on the tree trunks during construction should be bark traced and lightly coated with tree paint. This work shall be incidental to the project.

14. MAINTENANCE OF SERVICE

Drainage through existing sewers, ditches and drains shall be maintained at all times during construction, and all nearby gutters shall be kept open for drainage. Where existing sewers are encountered in the line of work that interfere with construction, the flow in the sewers, including both dry weather flow and storm flow, shall be maintained.

During the progress of the work, the CONTRACTOR shall accommodate both vehicular and foot traffic and shall provide free access to fire hydrants, water and gas valves. Except as otherwise specified herein or as noted on the plans, street intersections may be blocked but one-half at a time, and Contractor shall lay and maintain temporary driveways, bridges and crossings such as are necessary, in the opinion of the ENGINEER, to reasonably accommodate the public.

In the event detours, traffic control devices or safety equipment are needed, they shall be placed and maintained in accordance with the Michigan Manual of Uniform Traffic Control Devices (MMUTCD).

Maintenance of service as described above shall be considered as incidental to the project cost unless pay items have been included in the proposal for this work.

15. CLEANLINESS OF THE WORK SITE & STREETS

The CONTRACTOR shall keep the work site and all property occupied by him in a neat and orderly condition at all times. Waste material, rubbish and debris shall not be allowed to accumulate. The CONTRACTOR's equipment, temporary buildings and excess materials shall be promptly removed from the work site when no longer needed. At completion of the work, the premises shall be left clean.

The CONTRACTOR shall keep the streets clean. Trucks hauling excavated material, cement, sand, stone or other loose materials from or to the site shall be tight so that no spillage will occur on adjacent streets. Before trucks start away from the site, their

loads shall be trimmed and covered. If, in the judgment of the OWNER, adequate cleanup efforts are not being expended, including but not limited to, roadway, driveway and drainage maintenance, and removal of surplus materials, further construction shall be halted and work forces directed to the cleanup activity until proper order is restored. Should the CONTRACTOR continue to be negligent of his duties in maintaining proper street cleanliness, the OWNER will take necessary steps to perform such cleaning and shall charge the CONTRACTOR for all the costs.

16. DUST CONTROL

All haul roads, detour roads, temporary access roads, other public or private roads, driveways and parking lots used by the CONTRACTOR must be maintained in a dust free condition for the duration of the Contract. The control of the dust shall be accomplished by application of dust control materials and methods of application as approved and as directed by the ENGINEER. Such dust control materials shall be applied as often as is necessary to control dust. Neglect of dust control will not be tolerated.

Should the CONTRACTOR be negligent of his duties in providing dust control, the OWNER may, with or without notice cause the same to be done and deduct the cost of such work from any monies due or to become due the CONTRACTOR under the Contract. Cost of providing dust control shall be considered incidental to the project.

17. WORKING SPACE & USE OF STREETS OR PRIVATE PROPERTY

The CONTRACTOR's operations in public streets or alleys shall be confined to as small a space as practicable, so as not to cause undue inconvenience to the public or abutting properties, and shall be subject to the approval of the ENGINEER.

Where the CONTRACTOR wishes to work on or stockpile materials on nearby properties, it will be his responsibility to contact the property owner for permission. Upon request, the CONTRACTOR shall provide a copy of written permission from any affected property owner. The OWNER will not become involved with any such agreements and will not be held responsible for any damages that the CONTRACTOR may cause to private property. The CONTRACTOR shall not be compensated for restoration of private properties and stockpile areas unless said areas were within the original project limits.

18. EASEMENTS

Prior to the start of construction, the CONTRACTOR shall verify with the OWNER that any required easements have been obtained.

The CONTRACTOR shall keep his work operations within these easements and shall be responsible for complying with any easement conditions that are shown on the plans or stated in the Contract documents.

19. POWER & LIGHT

The CONTRACTOR shall furnish, at his own expense, all the electric power and lighting necessary during the life of this Contract or until such time as the OWNER takes over the work. The CONTRACTOR shall be responsible for complying with any applicable ordinances or regulations concerning power and light.

20. WATER

Unless otherwise allowed by the OWNER, the CONTRACTOR shall furnish, at his own expense, all the water necessary during the life of this Contract or until such time as the OWNER takes over the work.

The CONTRACTOR shall not make a connection to any public water main or fire

hydrant without first obtaining the necessary permit and/or meter from the OWNER.

Existing public water systems shall be operated and controlled by the OWNER. All valves shall be operated exclusively by the OWNER's personnel.

The CONTRACTOR shall not make any connection to or obtain water from a private water source without obtaining written permission from the owner of the water source. The CONTRACTOR shall provide a copy of the written permission to the OWNER upon request.

21. WEATHER PROTECTION & HEATING

The CONTRACTOR shall provide and maintain weather protection and heating at his own expense to properly protect the work under construction from damage if weather conditions require. This work shall include all windbreaks, insulating cover, and other necessary measures required to provide protection from freezing.

The CONTRACTOR shall continue to provide weather protection and heating as necessary until such time as the OWNER takes over the work.

22. RAILROAD CROSSING

Where the work crosses a railroad right-of way, the CONTRACTOR shall secure Railroad Company approval of his methods and schedule of operation. The CONTRACTOR shall carry out his work in strict accordance with the standards of the Railroad Company. The CONTRACTOR shall pay any inspection, signal or flagman costs.

23. OWNERSHIP OF SALVAGED MATERIALS

All salvageable materials such as castings, hydrants, valves, culverts and similar items removed during construction shall remain the property of the OWNER. The CONTRACTOR shall deliver these salvaged materials to the OWNER's public works facility. If the OWNER indicates that he does not want the salvaged items, then the CONTRACTOR shall be responsible for disposal of the items.

End of Section

EARTHWORK

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GENERAL

1. SCOPE OF WORK

This work shall be subject to the General Conditions and the General Specifications. The work shall include furnishing of labor, materials, tools, equipment, accessories and services necessary for completing the excavation and backfilling for the items as shown on the contract drawings and/or as herein required. This also includes trenching, trench or subgrade undercutting, roadway earthwork, complete and continual drainage of excavation, sheeting, bracing and shoring of sides of the excavation, backfilling around structures and over pipelines, and the disposal of excess excavated material.

2. MDOT

References to Michigan Department of Transportation (MDOT) Specifications shall pertain to the 2012 Standard Specifications for Construction.

MATERIALS

3. BEDDING

A. Sand shall be a sharp, clean sand free of lumps of clay or debris with 100 percent passing a 3/8-inch sieve and less than 10 percent loss by wash.

B. Granular material shall meet the requirements of Section 902.07 of the MDOT Standard Specifications for Construction for Granular Material Class II and Class III.

C. Pea gravel shall be unwashed and shall be from ¼-inch to 5/8-inch in size.

D. Bedding material shall be provided from offsite unless the trench passes through a well-defined strata of sand or gravel. Bedding material shall be subject to the approval of the ENGINEER.

E. Stone material shall meet the requirements of Section 902.03 of the MDOT Standard Specifications for

Construction for 6A crushed Coarse Aggregate or approved equal.

4. BACKFILL

A. Job Excavated Backfill

Job excavated backfill shall be defined as material excavated from the site that is free from frozen earth, boulders, rocks, stones larger than 3-inch in size, debris, blue and gray clay, and organic material.

B. Granular Backfill

Granular backfill shall be defined as sharp sand, gravel, or crushed stone that is free from lumps of clay and soft or flaky material and shall conform to the latest MDOT Specification for Granular Material Class II or III. Granular backfill shall be used for fill work located under or within the influence of roadway surfaces. The Owner's standard details shall dictate which type of granular material (class II or III) is required for the project.

Material excavated from the trench may be used as granular backfill when, in the opinion of the ENGINEER, it meets the granular backfill grading requirements.

5. STONE REFILL

Stone refill shall consist of natural gravel, slag, or crushed gravel that is equivalent in gradation to MDOT 6A unless otherwise called for in the plan details.

6. EMBANKMENT

Embankment material shall consist of sound earth as described in Section 205.03H of the MDOT Standard Specifications for Construction.

CONSTRUCTION

7. CLEARING

Prior to the start of construction, the CONTRACTOR shall verify the limits of trees and other items that are to be saved. The CONTRACTOR shall then clear the site or trench excavation area of all remaining trees, brush, and other miscellaneous items that are not to be saved.

8. TREE REMOVAL

Where called for on the plans, the CONTRACTOR shall remove trees, including stump and main roots, and dispose of all associated foliage and debris offsite. Trees less than six (6) inch diameter shall be removed where required by the Work as incidental to the Contract. The CONTRACTOR shall abide by any easement agreements regarding the tree removal work and wood ownership.

9. STUMP REMOVAL

Where called for on the plans, the CONTRACTOR shall remove existing stumps, including main roots (two (2) inch diameter and larger), dispose of all associated debris offsite, and backfill the void with suitable material.

10. PAVEMENT CUTS

Where a trench must be cut through pavement, driveway, or sidewalk, particular care shall be taken to avoid unnecessary damage to adjoining areas of the pavement, driveway or sidewalk. All cuts through existing surfaces shall be made full-depth with a concrete saw. Cuts in concrete pavement shall be made parallel with longitudinal and transverse construction or contraction joints.

Saw cuts in concrete pavement shall not be nearer than five feet (5'-0") to a transverse joint, to the centerline of pavement, or to the edge of pavement or curb, i.e., no existing or replacement pavement shall be less than five feet (5'-0") in width. If the damaged pavement or surfacing is nearer than five feet (5'-0") to a joint or centerline of

pavement, or to edge of pavement, surfacing or curb, removal and replacement shall be extended to said joint, centerline, edge of pavement, surfacing, or curb. These same requirements shall apply to the saw cutting and replacement of concrete driveways.

If a square or block of sidewalk is cut, broken, or cracked, the entire square or block shall be removed and replaced.

11. CLASSIFICATION OF EXCAVATION

Earth, as a name for excavated material, shall include all glacial deposits whether cemented or not, except solid boulders one-half cubic yard or more in volume. It shall also include all alluvial deposits and material of every kind that can be excavated with equal facility by the equipment and means typically used for earth excavation.

Peat, as a name for excavated material, shall include all unstable organic soils such as peat, muck, marl, and underlying very soft clay.

Rock, as a name for excavated material, shall include pre-glacial solid ledge rock that can be removed most practically by blasting, barring or wedging, or by some other standard method of quarrying solid rock. It shall also include solid boulders of one-half cubic yard or more in volume as well as existing concrete, masonry with mortar joints, or other existing structural work that can be excavated practically only by methods of quarrying solid rock. It shall not include fragile, friable, or disintegrated materials of any kind that can be excavated by equipment and means used for earth excavation.

12. ROADWAY EARTHWORK

Roadway earthwork shall be performed in accordance with the construction methods that are described in Section 205 of the MDOT Standard Specifications for Construction unless otherwise called for in the plan notes, details, or supplemental specifications.

13. METHODS OF EXCAVATION IN EARTH

All excavation shall be by open cut from the surface, except in special cases where boring/jacking under pavement or structures may be required, or where boring/jacking under the root system will be required for tree root protection. All excavation shall be made in such a manner and to such depth, length, and width as will give ample room for building the structures, bracing, sheeting and supporting the sides of the excavation, pumping and drainage of ground water and sewage which may be encountered, and removal of all materials excavated. Special care shall be taken so that the soil below the bottom of structures to be built shall be left undisturbed so that a firm bed will be provided for construction. Any voids shall be backfilled with suitable granular material and shall be properly compacted.

14. TRENCH EXCAVATION

A. General

Excavation shall be of sufficient width and depth to provide adequate room for construction and installation of the work to the lines, grades and dimensions called for on the plans. Unless otherwise called for on the OWNER's standard details, the width of a trench from the invert to a height twelve (12) inches above the top of the pipe barrel shall be indicated as follows:

Pipe Size	Maximum Trench Width
4" through 12"	30"
Larger than 12"	O.D. + 24"

If the maximum trench width as specified above is exceeded, unless otherwise shown on the drawings, the CONTRACTOR shall install, at his own expense, such concrete

cradling or other bedding as is approved by the ENGINEER, to support the added load of the backfill.

Where trench excavation is in granular material, the last six (6) inches of trench depth shall be carefully excavated and trimmed by hand to the exact elevation and contour of pipe. Where trench excavation is in rock or clay soil, the trench bottom shall be undercut a minimum of four (4) inches below the final elevation of pipe. The bedding material as hereinafter specified shall be placed and compacted to the underside of the pipe.

Excavation for structures shall be made to the outside lines and surfaces of such structures wherever it is practicable to build directly against the sides and bottoms of excavations. In such cases, care shall be taken not to disturb the original foundation or backing. Final trimming shall be done by hand just before construction of the structure. If excess excavation is made, or the material becomes disturbed so as to require removal beyond the prescribed limits, the resulting space shall be refilled with bedding, as specified hereinafter, and solidly machine tamped into place to 95 percent of maximum unit weight before the construction work proceeds.

Excavation for structures shall be extended sufficiently beyond the limits of the structure to provide ample room for form construction and other construction methods to be followed, wherever necessary.

B. Bedding

Where the subgrade below the bottom of the pipe is disturbed during the construction, the space shall be refilled with sand or pea gravel bedding material solidly tamped to form a firm foundation for the pipe. Sand or pea gravel bedding material shall be extended to one (1) foot above the pipe, except that the bedding shall be exclusively pea gravel to the springline for pipe 36-inch and greater in diameter.

C. Amount of Trench Opening

Not more than 50 feet of trench shall be open at one time in advance of the pipe unless permitted by the ENGINEER. The length of street that may be occupied by the construction work at any one time shall be subject to the direction of the ENGINEER and will be based on requirements of the use of the street by the public. No more than 600 consecutive feet of street length shall be occupied at one time, and vehicle traffic through the street shall not be entirely stopped without permission of the ENGINEER.

After placement of the utility line, the Contractor shall backfill the trench promptly in order to minimize the length of open trench and avoid any unsafe conditions.

15. TRANSPORT OF NATIVE MATERIALS OFFSITE

If the Contractor encounters good materials (sand, gravel, topsoil, etc.) during the course of construction, he shall not be allowed to transport these materials offsite without the written approval of the Engineer. Wherever possible, suitable native sands and gravels shall be used as backfill rather than transporting them offsite and replacing them with non-native materials of a lesser quality.

16. STONE REFILL FOR TRENCH UNDERCUT

In locations where soil at the bottom of trench is unstable, the CONTRACTOR shall excavate (undercut) below the trench bottom and place stone refill as called for in the Materials Section of this specification.

17. EXCAVATION & TRENCH DEWATERING

The CONTRACTOR shall maintain any excavation or trench free of water during construction of any structures and/or pipelines. Water accumulated due to rainfall or runoff and minor groundwater inflow that

can be controlled through the use of portable trash, submersible or positive displacement pumps shall be considered normally expected and anticipated conditions associated with underground construction. This effort will be considered incidental to the cost of construction and will not be reimbursable at the unit price bid for dewatering in the proposal.

The required use of deep wells and/or well points to lower and maintain a reduction in the groundwater elevation below the trench bottom shall be subject to approval of the ENGINEER and shall constitute a reimbursable expense for trench or excavation dewatering. If a pay item for dewatering is included in the Bid Form, then the CONTRACTOR would receive payment for this work based upon the unit bid price. If there are no provisions in the contract for payment for dewatering (i.e. bid item or incidental to other pay items), then the CONTRACTOR shall submit a detailed estimate of the additional cost. Upon acceptance of the CONTRACTOR's estimate, the ENGINEER shall issue a change order. The CONTRACTOR must demonstrate that a continuous effort is required to control hydrostatic pressure in the construction area in order to claim compensation for dewatering.

The CONTRACTOR shall take adequate precautions to control the discharge of dewatering pumps so as to prevent soil erosion or sedimentation of drainage ditches, structures, storm sewers, culverts, natural drainage courses, ponds, lakes or wetlands.

The CONTRACTOR shall insure that discharge from any dewatering operations has a suitable outlet and that it will not cause any damage to adjacent dwellings or property. Water and discharge hoses shall be placed and/or controlled so as to prevent a hazard to pedestrians or motor vehicles passing in the vicinity of the construction site.

Electric pumps shall have suitable power supply appurtenances meeting NEC requirements and properly fused and grounded to prevent electrical shock hazards to on-site personnel.

Internal combustion engine driven pumps, if operated 24 hours per day, shall have adequate exhaust silencers in good repair to muffle engine noise to an acceptable level for the area where located.

18. DIVERTING EXISTING SEWERS

Where existing sewers or drains are encountered in the Work, adequate provision shall be made for diverting flow in the existing sewers so that the excavation will be kept dry during the progress of the construction work. Upon completion of the construction work, the existing sewers shall be restored or otherwise provided with an adequate outlet as directed by the ENGINEER.

19. SHEETING, BRACING & SHORING

Where required to properly support the surfaces of excavations to protect the construction work, adjacent work or workers, sheeting, bracing and shoring shall be provided. If the ENGINEER is of the opinion that at any point sufficient or proper supports have not been provided, he may order such additional supports at the expense of the CONTRACTOR, but neither the placing of such additional supports by the order of the ENGINEER nor failure of the ENGINEER to order such additional supports placed shall release the CONTRACTOR from his responsibility for the sufficiency of such supports and the integrity of the Work. In removing the sheeting and bracing after the construction has been completed, special care shall be taken to prevent any caving of the sides of the excavation and injury to the completed work or to the adjacent property.

20. SHEETING LEFT IN PLACE

Sheeting, bracing and shoring shall not be left in place after completion of the work except as required by the ENGINEER. Where sheeting, bracing, and shoring must be left in place in order to protect the work, adjacent structures, or property, it shall be cut off or left not less than two (2) feet below the established surface grade. If sheeting, shoring or bracing must be left in place, then it shall be paid for at the contract unit bid price that is shown on the Bid Form. If a pay item was not included on the Bid Form, then a work order shall be negotiated.

21. CROSSING EXISTING STRUCTURES/PIPES

During construction, it may be necessary to cross under certain sewers, drains, culverts, water lines, gas lines, electric conduits and other underground structures. Every effort shall be made to prevent damage to such structures. Wherever such structures are disturbed or broken, they shall be restored to good condition. Specified granular backfill shall be placed as described in Section 23, Backfilling. MDOT Grade S3 concrete shall be utilized where directed by the ENGINEER at no additional cost to the project. Either granular backfill or concrete shall be brought to the spring line of the higher utility.

22. TUNNELING TREES

Trees eight (8) inches in diameter or less will require a minimum tunnel length of eight (8) feet. Trees over eight (8) inches in diameter, measured four (4) feet above the ground surface, will require a minimum tunnel length equal to one foot for each inch of tree diameter.

Trees shall be tunneled whenever any portion of an excavation approaches within a distance equal to one-half the required tunnel length except as otherwise noted on the plans.

Tunneling under trees may be accomplished by one of the following methods:

a. Boring and jacking casing pipe along with placement of a carrier pipe.

b. Boring and jacking sewer pipe or water main without a casing pipe.

c. Jacking sewer pipe or water main without boring and without a casing pipe.

Plan notes or existing field conditions shall indicate which method may be used for the tree tunneling work.

23. BACKFILLING

A. General

Backfilling shall include all work required as hereinafter specified. The placement of various pipe, including bedding and building of structures, shall be completed prior to backfilling.

Where called for on the plans, the CONTRACTOR shall backfill trenches and/or other excavations with suitable excavated material (not including gray or blue clay) replaced into the trench or excavation and compacted to not less than 95 percent of maximum unit weight as determined at existing moisture content during backfilling. Compaction shall be provided by means of suitable mechanical compaction equipment.

If the moisture content of cohesive backfill material exceeds the optimum moisture content for maximum density by more than three percent (3%), the CONTRACTOR shall dry the material to meet the foregoing moisture content limitation or provide, at his own expense, MDOT Granular Material Class III. No sloppy or wet backfill will be allowed.

Maximum unit weight will be determined by current methods of Test for Compaction and Density of Soil, AASHTO Designation T-180 or by the Cone Density Method

developed by MDOT, as the material may require.

The ENGINEER shall make compaction tests at all locations requiring granular backfill.

Any depression resulting from settlement of any backfill prior to the date of final payment for all work under this contract shall be brought to the proper grade and surface and made to match the adjacent surface.

B. Materials

Bedding, excavated backfill, and granular backfill shall conform to the requirements that were previously described in Parts 3 and 4 of this specification.

C. Compaction

Backfill material shall be placed in layers not to exceed 12 inches in thickness unless the contractor can demonstrate to the satisfaction of the Engineer that he can consistently attain the specified density on thicker lifts.

Specified compaction shall be obtained with the use of a bulldozer, sheepsfoot roller, mechanical tamper or other similar and effective equipment. Specified compaction means not less than 95 percent (not average 95 percent) of maximum unit weight when tested in accordance with current MDOT Specifications.

If excavated material is not suitable to obtain 95 percent minimum compaction, the CONTRACTOR shall, at his expense, remove unsuitable materials or add granular materials, or both, to obtain ninety-five percent (95%) minimum compaction as specified.

Compaction tests will be made by a representative of the OWNER and paid for by the OWNER, unless otherwise specified in the Contract Documents.

D. Backfilling Trenches

Bedding

The type of bedding required is shown on the detail drawings.

Bedding shall be worked under the haunches of the pipe to provide firm continuous support.

Bedding placed on the sides of and above the pipe shall be compacted by machine tamping to not less than ninety-five percent (95%) of maximum unit weight in layers not exceeding 12 inches in depth.

Trench or Excavated Area

All trenches in paved streets, shoulders, traveled roadways, parking areas and driveways shall be backfilled with suitable excavated backfill or granular backfill, as shown on the drawings from one (1) foot above top of pipe up to the required subgrade elevation which will allow for placement of the required gravel base and/or pavement surface. The approved excavated backfill or granular backfill shall be placed and thoroughly and uniformly compacted by machine tamping to the specified compaction. With the approval of the ENGINEER, water jetting may be accepted in lieu of tamping for granular backfill only.

Specified compaction shall be required of the entire trench when the edge of trench is within three (3) feet of edge of pavement. On road crossings, specified compaction shall extend ten (10) feet beyond the edge of pavement for paved roadways with gravel shoulders or shall extend three (3) feet beyond the back of curb for roadways with curb.

Trenches under concrete sidewalks and bike paths shall be backfilled from one foot above top of pipe to a level four (4) inches below finished grade of the sidewalk with approved suitable excavated backfill or

granular backfill and compacted to ninety-five percent (95%) maximum density.

Trenches not in paved streets, shoulders, traveled roadways, parking areas, driveways or under sidewalks, shall be backfilled from one (1) foot above the top of the pipe up to the ground surface (except as noted under the Restoration Specification) with suitable excavated backfill and shall require compaction equal to adjacent undisturbed earth.

Wherever gas mains, water mains, sewers, or other utilities are located in the trench area, granular backfill shall be used for backfill from bottom of the trench up to the springline of the pipes. Granular backfill shall be placed across the full trench width and extend far enough either side of the existing pipe to allow specified compaction so as to thoroughly support the pipe within the trench area.

E. Backfilling Around Structures

As soon as practicable after concrete structures have set, forms and debris shall be removed and the surface of the concrete pointed. After the structure has been checked and approved, the excavated area around the structure shall be backfilled up to specified subgrade with granular material or suitable excavated material as called for on the drawings for the adjacent trench. The fill shall be thoroughly compacted by machine tamping. No large boulders or masonry shall be placed in backfill. No backfill will be placed against manhole walls within 48 hours after the plaster coat has been applied to the outside of the walls nor shall backfill be placed about concrete structures until concrete has attained at least 75 percent of its design strength and approval of the ENGINEER has been obtained.

24. PLACING AND COMPACTING EMBANKMENT

Embankment material for fill work shall be placed and compacted in accordance with Section 2.05.03H of the MDOT Standard Specification for Construction.

25. DISPOSAL OF EXCAVATED MATERIAL

After all suitable excavated material has been used on site, the CONTRACTOR shall be responsible for properly removing and disposing of the excess.

The CONTRACTOR shall also be responsible for disposing of all other excavated materials that are unsuitable for use as fill or backfill. Unsuitable materials may include, but are not limited to, broken concrete, asphalt, rock, stone, and other related debris. The CONTRACTOR shall be required to obtain his own disposal areas and permits and shall receive no additional compensation for this disposal work.

Surplus or unsuitable material shall not be disposed of either temporarily or permanently beyond the plan grading limit line or across any wetland or flood plain unless the plans provide for such placement.

Any agreements that the CONTRACTOR makes with local residents concerning the placement of fill on private property shall be the sole responsibility of the CONTRACTOR. The OWNER will not become involved with any such agreements and will not be liable for damages that the CONTRACTOR may cause to private property.

Placement of fill on private property may require that the resident or CONTRACTOR obtain a grading permit or fill permit from the OWNER.

26. FINAL CLEANUP & GRADING

Upon completion of the construction, and before final payment is made, the CONTRACTOR shall restore his working area to as clean a condition as existed before his operations were started. He shall go over the entire line and refill any place that may

have settled. He shall then re-grade and put in shape all backfilled trenches, all fills he may have made from excess excavated materials, and all other areas that may have been disturbed through all operations.

27. CONTRACTOR SAFETY REQUIREMENTS

The excavation and trenching operations shall be conducted by the CONTRACTOR in a manner that will provide safe working conditions for all persons on the site who may be affected by the Work. The CONTRACTOR shall also conduct his operations in a manner that will protect adjacent property from damage.

Trench sides shall be either cut back to the slope as necessitated by soil and ground water conditions which will provide stable sides, or supporting systems shall be installed that are capable of restraining the earth sides from movement. A qualified employee of the CONTRACTOR shall design the trench supporting systems.

The CONTRACTOR shall employ, at all times at the site of the work, a qualified person who will be responsible for the safety of both the work and workmen, and who will make all the decisions relevant to the stability of trenches, the adequacy of any and all protective devices, proper operation of equipment, and all other matters related to safety.

The CONTRACTOR shall not store, along and adjacent to the trench, excavated material, heavy equipment, backfill materials, sewer pipe, or other construction materials which may impose too great a load on the earth and cause displacement or caving of the earth. The CONTRACTOR shall, at all times, provide a safe means of emergency exit from all trench excavations.

End of Section

STORM SEWER CONSTRUCTION

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GENERAL

1. SCOPE OF WORK

This work shall be subject to the requirements of the General Conditions and General Specifications and shall include the furnishing of all labor, materials, tools, equipment, accessories and services necessary for providing and installing the items as shown on the Contract Documents or as herein required.

In the event these Specifications conflict with those of the OWNER's standards, the permit agency, or agency controlling the right-of-way where the sewer is being installed, the more stringent requirements will govern.

2. SHOP DRAWINGS

When required by the ENGINEER, shop drawings shall be furnished as prescribed under the General Conditions.

Before the CONTRACTOR orders any pipe or other appurtenances that he is proposing to use as substitutes for specified items, he shall submit design details of the substitutes to the ENGINEER for consideration and approval.

3. CERTIFICATION & CHECKING

All pipe and precast structures delivered to the job shall be accompanied by certification papers showing they have been tested in accordance with applicable specifications and that they meet the specifications for the project. All pipes and precast structures will be checked upon delivery to the job site. Any cracked, damaged or broken pieces or sections will be immediately removed from the site at the CONTRACTOR's expense.

4. MDOT STANDARDS

References to the Michigan Department of Transportation (MDOT) Specifications shall pertain to the 2012 Standard Specifications for Construction.

MATERIALS

5. SEWER PIPE

Sewer pipe shall be of the type and class designated for the specific locations or intended use shown or noted on the project plans. Any deviation from the type or class of pipe shown on the plans will not be permitted except upon receipt of written approval of the ENGINEER.

Any of the types of storm sewer pipe or joints listed below may be substituted upon approval of the ENGINEER provided that the flow capability and pipe strength (external load supporting) is equal to or exceeds that of the pipe specified on the plans.

Table ST-1
Storm Sewer Pipe Specifications

The intent of this table is to show the standards required for particular types of pipe and joints. The OWNER may not accept all of these types. The CONTRACTOR must refer to the project plans OWNER's standard details and bid forms to determine the type of pipe required for a particular project.

	Type of Pipe	Pipe Specification*	Allowable Type of Joint	Joint Specification *
a.	Extra strength non-reinforced concrete	ASTM C14	Modified grooved tongue with rubber gasket	ASTM C443
b.	Reinforced round concrete (size 12" & larger)	ASTM C76	Modified grooved tongue with rubber gasket	ASTM C443
c.	Reinforced elliptical concrete	ASTM C507	Tongue & grooved bituminous sealed joint with inside cement pointing on 42" equivalent size and larger External Seal (can be added to tongue and grooved bituminous sealed joint)	ASTM C443 ASTM C877
d.	Corrugated and smooth round metal pipe & pipe arch (galvanized steel)	AASHTO M36 ASTM A760	Metal coupling bands	AASHTO M36
e.	Corrugated and smooth round metal pipe & pipe arch (aluminized steel type 2)	AASHTO M36 ASTM A760	Metal coupling bands	AASHTO M36
f.	PVC (corrugated pipe with smooth interior; size 36" & smaller)	ASTM F949	Push on type	ASTM D3212 ASTM F477

	Type of Pipe	Pipe Specification*	Allowable Type of Joint	Joint Specification *
g.	HDPE	AASHTO M294 ASTM F2306	Push on type	ASTM D3212 ASTM F477
h.	PVC underdrain – smooth wall (4" & 6")	AASHTO M278	Push on type	* *
i.	ABS underdrain – smooth wall (4" & 6")	ASTM D2751, SDR 35 (AASHTO M270 for perforations)	Push on type	* *
j.	Polyethylene underdrain – corrugated (4" & 6")	AASHTO M252	Coupling band	AASHTO M252
k.	PVC underdrain – corrugated (4" & 6")	ASTM F949 (AASHTO M252 for perforations)	Coupling band	ASTM F949

* The latest revision of ASTM or AASHTO Specifications shall apply.

* * Joint tightness requirements shall not apply.

ASTM stands for American Society of Testing and Materials
AASHTO stands for American Association of State Highway Transportation Officials

6. CEMENT MORTAR POINTING:

Non-shrink cement mortar shall conform to MDOT Standard Specifications for Construction Type R-2 Mortar.

7. STORM DRAINAGE STRUCTURES

Manholes, catch basins, inlets, and special structures shall be constructed at locations shown on the plans and shall be of the size and type called for on the plans. They shall be constructed of precast reinforced concrete, concrete manhole block, poured-in-place concrete, or combinations of above. Structures shall be constructed to conform to these specifications and in accordance with the plan details. Where references are made to ASTM or AASHTO Specifications, the latest revision shall apply.

a. Precast reinforced concrete manhole sections shall conform to ASTM C478. The minimum wall thickness for four (4) foot diameter manholes shall be five (5) inches.

b. Precast manhole tees for 48-inch and larger storm sewer pipes shall be the same class pipe as that specified on the plans, but shall be a minimum ASTM C76 Class IV. The manhole riser shall meet the requirements of ASTM C478.

c. Joints on precast reinforced concrete risers, cones, and base sections may be either cold applied bituminous mastic or modified grooved tongue with rubber gasket conforming to ASTM C443.

d. Base slab for structures shall be precast reinforced concrete, ASTM C478. When approved by the ENGINEER, poured in place concrete may be used. Base riser section with integral floor design shall be approved by the ENGINEER prior to manufacture.

e. Manhole steps shall be reinforced polypropylene plastic No. PS2-PFS as manufactured by M.A. Industries, Inc., cast iron No. 8500 as manufactured by East Jordan Iron Works, approved equal, or as specified on the drawings.

f. Concrete manhole block shall conform to ASTM C139 and additional requirements of MDOT Specification 913.05.

g. Brick for use in drainage structures shall conform to MDOT Specifications 913.03 A and C (concrete bricks).

h. Grade rings shall conform to ASTM C478 and shall have minimum thickness of three (3) inches.

i. Mortar for use in drainage structures shall conform to MDOT Specification 702, Type R-2.

j. Concrete for poured-in-place construction shall conform to plan details, approved shop drawings, and to the requirements of grade S3 concrete as shown in the MDOT Specifications Table 701-1A Concrete Structure Mixtures by Slump and Table 701-1B Concrete Structure Mixtures by Strength of Concrete.

k. Gray iron castings shall be of the type, size, and weight as specified on the plans. The castings shall conform to MDOT Specification 908.05.

l. The entire outside surface of all brick or concrete block portions of drainage structures shall be plaster coated with one-half (1/2) inch thick mortar.

m. All manholes on storm sewers eighteen (18) inches in diameter and smaller shall have two foot deep sumps unless otherwise called for on the plans

CONSTRUCTION

8. GENERAL

Excavation, bedding, and backfill for sewers and related structures shall be accomplished in accordance with requirements in the Earthwork Section.

Excavations shall be of sufficient widths and depths to provide adequate room for the construction and installation of the work to the lines, grades, and dimensions called for on the plans.

If the maximum trench width specified in the Earthwork Section is exceeded (unless otherwise shown on the plans), the CONTRACTOR shall install, at his own expense, such concrete cradling or other bedding as approved by the ENGINEER to support the added load of the backfill.

Install pipe, fittings, and appurtenances in strict accordance with the manufacturer's recommendations and these Specifications.

9. LAYING PIPE

a. Handling Pipe & Fittings

All pipes and castings shall be unloaded and distributed along the line of work in such manner and with such care as will effectually avoid damage to any pipe or fitting. Dropping pipe or fittings directly from the truck will not be permitted. Care must also be taken to prevent abrasion of the pipe.

b. Placement of Pipe

Each pipe shall be checked for defects prior to being lowered into the trench. The inside of the pipe and the outside of the spigot shall be cleaned of any dirt or foreign matter.

Construction shall begin at the outlet end and proceed upgrade with spigot ends pointing in the direction of flow. Pipes shall be laid on a minimum four (4) inch sand bedding. A six (6) inch sand bedding shall be provided if called for on the plan details. If the subgrade has been disturbed so that refilling is necessary to bring the pipe to grade, such refilling shall be done with sand or gravel thoroughly tamped in place. Bell holes shall be excavated so that the full length of the pipe barrel will bear uniformly on the sand bedding.

Pipes shall be centered in bells or grooves and pushed tight together to form a smooth and continuous invert. After laying pipe, care shall be taken so as not to disturb its line and grade. Any pipe found off grade or out of line shall be re-laid properly by the CONTRACTOR.

c. Line and Grade

All pipe shall be laid to line and grade called for on the plans. Each pipe, as laid, shall be checked by the CONTRACTOR with line and grade pole or other device to insure this result is obtained. The finished work shall be straight and shall be sighted through the pipe between manholes.

d. Excavation to 18 inches Below Bottom of Pipe

As a result of the CONTRACTOR's construction procedure or where excavation has not uncovered a stable foundation subgrade at a depth of six (6) inches below the bottom of pipe, the CONTRACTOR shall continue to excavate downward to a maximum distance of eighteen (18) inches below the bottom of pipe to reach stable foundation soil. The space resulting from such excavation and the pipe bedding shall be filled and constructed in the same manner and using the same materials specified in the Earthwork Specifications Section. All costs for such construction shall be borne by the CONTRACTOR.

e. Excavation Below Limits Specified in above Paragraph "d"

Where excavation has not uncovered a stable, foundation subgrade at depths eighteen (18) inches below the bottom of pipe, then the CONTRACTOR shall stop further excavation and immediately notify the ENGINEER of the condition and of his intent to make a claim for additional cost. The ENGINEER shall investigate the soil conditions and may direct the CONTRACTOR to continue excavating if it appears that a stable subgrade can be obtained. In this case, the additional excavation beyond eighteen (18) below the bottom of pipe would be measured and paid for as trench undercut and refill. Material for refill of the undercut area shall be as described in the Earthwork Section. In the event that soil conditions are extremely severe, then the ENGINEER and soils consultant shall investigate the site conditions and shall prescribe the appropriate pipe support system to be used. Within ten (10) days after the ENGINEER determines the appropriate pipe support system to be used, the CONTRACTOR shall submit a detailed estimate for additional cost, excluding the costs to be borne by the CONTRACTOR in the above paragraph "d". The estimate shall include only those additional costs necessary to construct the pipe support system as directed by the ENGINEER. It shall not include

construction costs prior to the stoppage of work. Upon acceptance of the CONTRACTOR's estimate, the ENGINEER shall issue a change order.Laying and Bedding of PVC and HDPE Pipe

Bedding of PVC and HDPE Pipe shall be in accordance with current ASTM specifications.

Potential damage can occur to exterior walls of PVC and HDPE Pipe, particularly under cold weather conditions if rocks, frozen material, or large objects strike the pipe. The CONTRACTOR shall carefully avoid dumping any materials other than approved bedding sand or stone on the pipe until a 12-inch cover is placed on it. Pipe walls and joints shall also be protected from abrasion and damage during handling and shall be fully checked just prior to placing in the trench.

Care shall be taken during bedding compaction to avoid distorting the shape of the pipe or damaging its exterior wall.

Cutting of pipe, where required, shall be performed by the use of tools or equipment that will provide a neat, perpendicular cut without damage to the pipe material.

Bowing or warping of pipe can occur with temperature fluctuations. The CONTRACTOR shall store and protect the pipe to minimize bowing. Nominal 12'-6" pipe lengths that have deviations from straight greater than one (1) inch shall not be used.

f. Concrete Cradle for Pipe

Where called for on the drawings, or otherwise required, pipe shall be installed with a concrete cradle of MDOT Grade S3 concrete.

Each pipe shall rest on a 6-inch minimum thickness bed of dry mix concrete that is shaped to fit the bottom of the pipe. The dry mix concrete shall be MDOT Grade S3 or ENGINEER-approved equal.

After setting the pipe, the space between the outside of the pipe and the undisturbed trench bank shall be filled to a level equal to a point 1/3 of the diameter above the pipe invert with MDOT Grade S3. The concrete shall have a five (5) inch slump and be mechanically vibrated to insure complete filling of the annular space between the excavated face of the original ground and the outside face of the pipe.

g. Jointing

Where pipe is laid in wet trenches, trenches with running sand, or in trench conditions where manual means will not allow pushing the pipe home, the CONTRACTOR shall provide and use mechanical means for pulling the pipe home and holding the pipe joints tight until completion of the line. Mechanical means shall consist of a cable placed inside the pipe with a suitable winch, jack, or come-along for pulling the pipe home and holding the pipe in position.

All joints on elliptical concrete pipe (42-inch equivalent diameter and larger) shall be cement mortar pointed on the inside. On bituminous mastic joints the compound shall be removed to a depth of three-quarters (3/4) of an inch from the inside of the joint before pointing.

h. Backfill

Backfill shall be placed in accordance with the Earthwork Specifications.

10. STORM DRAINAGE STRUCTURES

Construction methods for drainage structures shall conform to MDOT Specification 403.03 except as herein provided.

All precast sections shall bear the stamp of an approved laboratory as having been tested and delivered from tested stock of the

manufacturer, at the expense of the CONTRACTOR.

Precast sections shall be constructed so that no more than fifty (50) percent of the circumference, measured on the inside face, is deleted on any horizontal plane for sewer pipe openings. There shall be no less than twelve (12) inches of residual concrete measured on any horizontal plane between pipe openings.

Excavation shall be carried to the depth required to permit the construction of the base in accordance with the requirements of the Standard Details. The excavation shall be sufficiently wide to allow for shoring, bracing, or formwork, should any or all be necessary. Also, the excavation shall allow for accessibility in plastering the exterior of all brick masonry. The bottom of the excavation shall be trimmed to a uniform horizontal bed to receive the concrete base. The excavated section shall be completely dewatered before any concrete is placed therein.

With the exception of drainage structures having sumps, the bottom of the structures shall be channeled to provide for smooth flow through the manhole. Channels shall be formed using MDOT Grade S3 concrete.

Connections to manholes shall be properly supported and braced where not resting on original ground so that any settlement will not disturb the connection.

11. FINAL GRADE ADJUSTMENTS

a. Final Grade – Existing Structures

Adjustment of drainage structures shall apply to all final vertical changes made on existing structures where the elevation of the cover is not changed by more than six inches. Vertical changes in excess of six (6) inches will be treated as structure reconstruction.

b. Final Grade – New Structures

Final grade adjustment of new structures shall be considered as incidental to the structure construction.

Final grade adjustments may be made using either brick and mortar construction or precast concrete adjustment rings at the option of the CONTRACTOR.

The maximum allowable grade adjustment using grade rings shall be fifteen (15) inches. Final grade adjustment for manholes located in pavements and sidewalks shall be made with brick and mortar. A minimum of three (3) or maximum of six (6) courses of brick shall be placed on top of the precast cone section.

12. STUBS, CONNECTIONS, AND BULKHEADS

The CONTRACTOR shall furnish all material and labor and shall install and/or construct stubs, connections, bulkheads, and related items of work as called for in the Contract Documents.

Existing sewers shall be connected where called for on the plans. Bulkheads shall be placed or removed where called for on the plans.

Unless otherwise noted on the plans, stubs twelve (12) inches or larger in diameter shall consist of one full length of concrete storm sewer pipe, minimum length eight (8) feet, with watertight brick and mortar bulkhead. Unless otherwise noted on the plans, stubs four inches (4-inch) to ten inches (10-inch) in diameter shall consist of one full length of plastic storm sewer pipe, minimum length of eight (8) feet, with an expandable plug or removable cap.

13. CLEANING

All sewers shall be thoroughly cleaned before final acceptance.

14. TESTING

a. General

The CONTRACTOR shall provide all necessary equipment and labor for making the tests and cost of same shall be incidental to the unit price bid for sewer.

b. Deflection Test for Plastic Pipe

The allowable maximum deflection shall be five (5) percent of internal pipe diameter. A Deflection Test Gauge (Go, No-Go) as manufactured by Hurco Technologies, Cherne Industries, or approved equal shall be used to verify that the maximum allowable deflection standard is met. The test gauge must have a minimum of 9 points. Proving rings must be provided to verify the gauge diameter. The gauge must be pulled through manually. Force will not be allowed. Pipe with deflections greater than five (5) percent will be considered unacceptable and shall be replaced by the CONTRACTOR at his own cost.

c. Videotaping

As a means of insuring that pipe laying was properly done and that all joints are in a "home" position, the CONTRACTOR shall provide for videotaping of ten (10) percent of the pipe footage laid (pipe 36" diameter and smaller), with no less than one manhole run being televised on each project. The ENGINEER shall indicate which pipe runs are to be videotaped. The videotaping shall be done no sooner than thirty (30) days after sewer installation is complete. The CONTRACTOR shall provide twenty-four (24) hours notice to both the OWNER and ENGINEER prior to videotaping so that a representative may be present. A satisfactory review of the videotape by the ENGINEER shall be a condition for sewer acceptance by the OWNER. Typical items to be reviewed on the videotape will include pipe deflection, pipe settlement, connections, joints and pipe cleanliness. If the videotape review reveals unsatisfactory conditions, the CONTRACTOR shall correct the conditions at his own cost and shall re-videotape the affected pipe sections for review by the ENGINEER.

End of Section

DIGITAL RECORDED VIDEO SURVEY

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GENERAL

1. SCOPE

Prior to commencing work, the CONTRACTOR shall have a continuous color audio-video digital recording taken along the designated length of the project to serve as a record of existing conditions. All DVD and written records shall become the property of the OWNER.

2. FIRM BACKGROUND

The CONTRACTOR shall engage the services of a professional digital recording firm that is actively engaged in color audio-video recordings for various municipalities. The firm shall have a minimum of two years experience in audio-video digital recording of construction projects.

The OWNER may make such investigation as he deems necessary to determine the ability of the digital recording firm to perform the work. The CONTRACTOR shall furnish the OWNER all such information and data for this purpose as the OWNER may request. The OWNER reserves the right to reject any digital recording firm if the investigation fails to satisfy the OWNER that such firm is properly qualified to carry out the work specified herein. Upon rejection of a digital recording firm, the CONTRACTOR shall engage the services of another firm that shall undergo the review and approval process as previously discussed.

3. SCHEDULE

All digital recording shall be done during times of good visibility. No recording shall be done during periods of visible precipitation or when more than ten (10) percent of the ground is covered with snow or standing water unless otherwise authorized by the ENGINEER.

Digital recording shall be done prior to placement of materials or equipment in the construction area. DVDs shall be furnished to the OWNER at least one week prior to the preconstruction meeting.

No construction shall begin prior to review and approval of the digital video by the OWNER.

The OWNER shall have authority to reject all or any portion of the digital recording that does not conform to the specifications. Any coverage that is not acceptable to the OWNER shall be rerecorded at no additional charge. The CONTRACTOR shall reschedule unacceptable coverage within five (5) days after being notified.

MATERIALS

4. EQUIPMENT

All equipment, accessories, and materials necessary to perform this service shall be furnished by the CONTRACTOR and the digital recording firm, except for the plans of the proposed area to be digitally recorded which are to be furnished by the OWNER. The CONTRACTOR shall be responsible

for providing any temporary warning signs or barricades if required during the digital recording operations. Digital recordings shall be on high-quality DVDs for lossless picture quality, suitable for playback on standard home DVD player as well as a DVD ROM drive.

In some instances, digitally recorded coverage may not be suitable for recording necessary details. In such instances, the ENGINEER may specify digital still photographs to provide coverage. Digital photography must be used and the firm shall provide a CD of all images. A suitable labeling system and description of the location of the photograph shall accompany the photographs in PDF form on the CD with the digital photographs.

5. DIGITAL RECORDING

Each DVD shall begin with the current date, project name, and municipality as well as the general location or station, name of the street, viewing side, and direction of progress. Houses and buildings shall be identified by address.

When conventional wheeled vehicles are used, the distance from camera lens to the ground shall not be less than ten (10) feet to insure proper perspective.

In some instances, digitally recorded coverage will be required in areas that are not accessible by conventional wheeled vehicles. Such coverage shall be obtained by walking or special conveyance approved by the ENGINEER.

The engineering stationing numbers shall be continuous and accurate and shall correspond to the project stationing within the field of view. Standard engineering symbols (for example, 14 + 84) shall appear in the upper left of the viewing screen.

Beneath the engineering stationing, periodic transparent alphanumeric information consisting of the project name, location, direction of travel, viewing side, etc., shall appear.

Global Positioning System Satellites may be used in place of or in addition to engineering stationing numbers where available. The global positioning system shall provide updates at one (1) per second and have an accuracy of five (5) meters or less spherical accuracy. The GPS coordinate display will be at one (1) meter longitude and l meter latitude. (example: 3000N423 9456W294)

To preclude the possibility of tampering or editing in any manner, all digital recordings shall, by electronic means, display continuously and simultaneously generated transparent digital information to include the date and time of recording, as well as corresponding GPS coordinates and/or engineering stationing numbers. The date information will contain the month, day and year (for example, 10/5/06) and be placed directly below the time information. The time information shall consist of hours, minutes and seconds separated by colons (for example 10:35:18). This transparent information shall appear on the extreme upper left-hand of the screen.

6. DIGITAL VIDEO TRACKS

Digital recordings shall consist of one (1) video and two (2) audio tracks, all of which must be recorded simultaneously. All tracks shall consist of original live recordings and thus shall not be copies of other audio or digital video recordings. Audio track one (1) shall contain the narrative commentary of the camera technician and shall be recorded simultaneously with his fixed elevation video record of the area of construction. Audio track two (2) shall contain the narrative commentary and evaluations of the ground level remote technician whose function shall be to provide a complete circumspection of any features that are not adequately visible to the camera technician. In order to maintain viewer orientation, transition from a fixed camera overview to a remote camera picture shall be

accomplished by means of an electronic dissolve.

7. LIGHTING REQUIREMENTS

In order to produce proper detail and perspective, adequate lighting will be required to fill in the shadow areas caused by trees, utility poles, road signs and other such objects.

For interior and exterior surfaces of existing buildings, video lighting must be a minimum of twenty-five thousand (25,000) watts of shadowless light to enable all objects to be distinctive and clearly video taped with correct detail in order to obtain proper perspective. The CONTRACTOR shall provide all power required for lighting.

8. DIGITAL VIDEO COVERAGE

a. Construction Zone

Digital video coverage shall include all surface features located within the zone of influence of construction and shall be supported by appropriate audio description. Such coverage shall include, but not be limited to, public right-of-way, easement areas, adjacent private property, all existing driveways, sidewalks, curbs, ditches, roadways, landscaping, trees, shrubs, fences, culverts, headwalls, retaining walls, and buildings located within such zone of influence. Of particular concern shall be the existence of any faults, fractures, or defects.

Houses and buildings shall be identified visually by house number when visible. Manholes or other utility structures shall also be identified.

The rate of travel used during digital recording shall not exceed forty-eight (48) feet per minute. Panning rates and zoom-in/zoom-out rates shall be controlled sufficiently such that stop action during playback will produce clarity of the object viewed.

The ENGINEER shall have the authority to designate areas for which coverage may be added or omitted.

b. Interior and Exterior Surfaces

Building exterior coverage shall include, but not be limited to, all the masonry features of the building such as walls, foundations, chimneys or porches. Building interiors shall include, but not be limited to, all outside basement walls and flooring.

All property being digitally recorded for interior record must have a permanent exterior front view recorded on video displayed in upper right-hand corner of the viewing screen for positive identification of property. This view will be no larger than twenty percent (20%) of the picture area and must begin by showing the address. The camera technician shall pan and zoom in and out as necessary to control the clarity of objects being viewed.

All digital recording shall be done during regular business hours unless otherwise authorized by the OWNER or agreed to by an affected property owner.

9. DIGITAL RECORDING FIRM RESPONSIBILITIES

The digital recording firm may televise and record areas within public rights-of-way, along municipal-owned easements, through municipal-owned parks, and municipal buildings. When digital recording is to be done on private property, the digital recording firm shall give the OWNER sufficient prior notice so that the property owners may be contacted and their permission obtained for the work.

Three (3) attempts must be logged by the camera technician to complete the video project at each location, and a log sheet describing the day, time, and disposition of the contact must be kept.

At no time will the digital recording firm be allowed to use any electrical circuits located inside or outside buildings on private property. The digital recording firm must enter and leave property in a professional and orderly manner.

10. VIDEO INDENTIFICATION AND SUBMITTAL

All DVD (discs and cases) shall be properly identified by DVD number, location, project name, and municipality in a manner that is acceptable to the OWNER.

A record of the contents of each DVD shall be supplied by a log sheet that identifies each segment in the digital recording by location, roll number, street or road viewing, DVD counter number, viewing side, starting point, traveling direction, and ending point.

A minimum of three complete sets of DVDs shall be provided upon final approval and acceptance of the videos by the OWNER and ENGINEER (one set each for the OWNER, ENGINEER, and CONTRACTOR). Additional sets shall be furnished if requested by the OWNER.

End of Section

RESTORATION

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GENERAL

1. SCOPE OF WORK

This work shall be subject to conditions of the General Conditions, General Specifications and include the furnishing of labor, materials, tools, accessories, equipment and services necessary for restoration of the surfaces shown on the Contract drawings and/or as herein required.

This work shall include replacement of all permanent type roadway surfaces, concrete sidewalks, curb and gutters, driveways, trees, culverts, fences, ditches, and miscellaneous items damaged or removed due to construction. Disposal of excess or unsuitable materials shall be considered as part of the restoration work. All such work shall be in accordance with the best modern practice, the OWNER's standards, and as specified herein.

Prior to performing work under this section, the CONTRACTOR shall submit to the ENGINEER for approval his construction methods and design mixes, sieve analysis and/or certification of compliance with the 2012 Michigan Department of Transportation (MDOT) Standard Specifications for Construction except where otherwise noted. No permanent surface restoration shall be performed until all underground work has been approved.

In the event that these specifications conflict with those of the OWNER or the controlling agency, the more stringent requirements shall govern.

2. SHOP DRAWINGS

When required by the ENGINEER, shop drawings shall be furnished as prescribed under the General Conditions.

Before the CONTRACTOR orders any restoration materials that he is proposing to use as substitutes for specified items, he shall submit details of the substitutes to the ENGINEER for consideration and approval.

3. MDOT STANDARDS

References to the Michigan Department of Transportation (MDOT) Specifications shall pertain to the 2012 Standard Specifications for Construction.

MATERIALS

4. AGGREGATE

a. Gravel Approaches and Roads

Natural aggregate shall be used for gravel appproach (driveways) and road restoration and shall meet the requirements of MDOT 21AA or 22A as shown in Table 902-1 of the MDOT Standard Specifications for Construction.

b. Shoulders

Natural aggregate shall be used for shoulders and shall meet the requirements of MDOT 21AA, 22A, or 23A as shown in Table 902-1 of the MDOT Standard Specifications for Construction.

c. Base Course

Natural aggregate shall be used for base course construction and shall meet the requirements of MDOT 21A, 21AA, or 22A as shown in Tables 902-1 and 902-2 of the MDOT Standard Specifications for Construction.

5. HOT MIX ASPHALT SURFACE, LEVELING, & BASE COURSES

Hot mix asphalt materials used for pavement construction shall meet the requirements of section 501.02 of the MDOT Standard Specifications for Construction or the requirements of the controlling agency as called for on the construction plans.

6. CONCRETE PAVEMENT, SIDEWALKS, CURB & GUTTER

Concrete used for pavement, sidewalk, and curb and gutter construction shall meet the requirements of MDOT grade P1 concrete or the requirements of the controlling agency as called for on the construction plans. MDOT grade P-NC may also be used where circumstances require the use of a high-early strength concrete. Refer to Table 601-2 of the MDOT Standard Specifications for Construction.

7. TOPSOIL

Topsoil shall be screened and shall consist of loose black-colored soil that is suitable for the growth of grass seed or sod. The topsoil shall be obtained from the upper layer of an existing fertile soil and be free of limbs, twigs, rocks, stones, muck, roots and debris, etc. and containing organic matter rich in nutrients with negligible clay content.

Topsoil shall meet the following requirements:

a. The pH range shall be from 6.0 to 7.5. Topsoil outside of this range shall be amended by the addition of pH adjusters as approved by the Engineer.

b. The organic matter content shall range between 2% and 6% (by dry sample weight).

c. The soil texture shall be a sandy loam, silt loam, or loam where the sand, silt, and clay contents (by dry sample weight) fall within the following ranges:

Sand.....40% to 65%
Silt.....25% to 60%
Clay.....5% to 15%

d. The gradation shall be as follows:

Sieve Designation	% Passing
1 inch screen	100
0.25 inch screen	97 - 100
No. 10 U.S.S. mesh sieve	95 - 100
No. 140 U.S.S. mesh sieve	15 - 35

e. The soil salinity as measured by the electrical conductivity of a saturated soil

sample shall not exceed 2dS/m (decisiemens/meter).

f. Topsoil samples may be taken from stockpiles by the ENGINEER for submission to a testing laboratory. Topsoil that does not meet the required specifications shall be removed from the project site by the CONTRACTOR and shall be replaced with suitable topsoil that meets the testing requirements.

8. SEED & FERTILIZER

Seed and fertilizer shall meet the following requirements:

Table R-1

Location	Seeding* Requirement	Fertilizer Requirement
Maintained Lawn Areas	MDOT Type THM Mix (20% Perennial Rye, 30% Kentucky Blue, 50% Red Fescue) applied at 220 lbs./acre	MDOT Class A, 228 lbs./acre
Fields, Slopes & Ditch Banks, Etc.	MDOT Type THV Mix (30% Perennial Rye, 15% Kentucky Blue, 45% Red Fescue, 10% Fults Salt) applied at 220 lbs./acre	MDOT Class B, 120 lbs./acre

* percent mixture proportions by weight

All grass seeding shall meet the requirements for purity and germination as called for in the MDOT Standard Specifications for Construction Table 917-1 for Seed Mixtures. Seed shall be delivered in durable containers which show the manufacturer's name, lot number, weight, contents, purity, and germination. Although Table R-1 lists only two typical seeding mixtures, other seeding mixtures shown in MDOT Tables 816-1 and 917-1 may be used where approved by the Engineer.

9. MULCH & MULCH BLANKETS

Mulch and mulch blankets shall meet the following requirements:

a. Loose Mulch. Mulching material shall consist of any straw or marsh hay in an air-dry condition. Hay in an air-dried condition will be permitted only when straw mulch or marsh hay is unavailable. Mulch materials shall be undamaged, rot free, clean, substantially free of weed seed and other objectionable foreign matter.

b. Mulch Blankets (for moderate runoff condition). Mulch Blankets shall be one of the following or an approved equal:

S1 Erosion Control Blanket – BonTerra America

Contech ERO-MAT - Contech Construction Products

Erosion Control Blanket DS-75 – North American Green

c. High Velocity Mulch Blankets (for medium to heavy runoff condition). High velocity mulch blankets shall be one of the following or an approved equal:

S2 Erosion Control Blanket – BonTerra America

Contech High Velocity ERO-MAT – Contech Construction Products

ECS High Impact Excelsior Blanket – Erosion Control Systems, Inc.

ECS Hich Velocity Straw Mat – Erosion Control Systems, Inc.

Erosion Control Blanket DS-150 – North American Green

10. SOD

Sod shall meet the requirements of Section 917.13 of MDOT Standard Specifications for Construction. The Contractor shall keep the sod watered until a vigorous growth is established.

Sod must be an upland mineral soil sod. Sod must be grown on loam soils. Sod grown on peat is not acceptable for use.

11. FENCING

Chain link and woven wire fence materials shall meet the requirements of Section 907 of MDOT Standard Specifications for Construction. Chain link fabric shall be as called for on the construction drawings (aluminum-coated, zinc-coated, or vinyl-coated). Fences made of other materials (wood board, split rail, iron, etc.) shall be replaced in kind or as called for on the construction drawings. In this case, fence materials and construction methods shall meet the applicable standards of ASTM.

12. TREES & SHRUBS

Trees and shrubs shall be quality, nursery-grown stock with adequate root growth (balled and burlapped). Nursery stock shall meet the standards of the current edition of the American Standard for Nursery Stock as published by the American Association of Nurserymen, as well as the standards of Section 917 of the MDOT Standard Specifications for Construction.

13. TIMBER POSTS

Timber used for fence, guide, guard and mailbox posts shall meet the requirements of Section 912.08 of the MDOT Standard Specifications for Construction.

14. TRAFFIC SIGNS & POSTS

Traffic and street signs that are removed or damaged shall be replaced in kind. The materials used for such sign and post replacements shall meet the applicable standards of Section 919 of the MDOT Standard Specifications for Construction.

15. PAVEMENT STRIPING

Pavement striping materials shall meet the requirements shown in Section 920 of the MDOT Standard Specifications for Construction.

CONSTRUCTION

16. PAVEMENT RESTORATION

The aggregate and pavement thicknesses shown in the following sections are intended to be a guideline for minimum thicknesses. Thicker sections may be required depending upon the requirements of the OWNER or the controlling agency. All pavements shall be restored to the elevation and section that existed prior to construction.

a. Gravel Shoulders and Approaches

Gravel shoulders and approaches shall be constructed as described in Section 307.03 of the MDOT Standard Specifications for Construction.

Gravel shoulder restoration shall consist of placement and compaction of MDOT 21AA limestone or MDOT 22A gravel on a suitable subgrade to form a minimum six (6) inch thick section. The 21AA limestone or 22A gravel shall be compacted to a minimum density of ninety-eight (98) percent of the maximum unit weight. The restored shoulder width shall match the existing width.

Restoration of gravel approaches shall consist of placement and compaction of MDOT 21AA limestone or MDOT 22A gravel on a suitable subgrade as called for

on the plans to form a minimum six (6) inch thick section. The 21AA limestone or 22A gravel shall be compacted to a minimum density of ninety-eight (98) percent unit of the maximum unit weight. The restored approach width shall match the existing width.

b. Gravel Roads

Restoration of gravel roads shall consist of placement and compaction of MDOT 21AA limestone, MDOT 22A gravel, or MDOT 23A gravel as called for in the plan details to form a minimum eight (8) inch thick section. The restored road width shall match the existing road width. Gravel roads shall be constructed as described in Section 306.03 of the MDOT Standard Specifications for Construction.

c. Aggregate Base Courses

Aggregate base courses shall be placed and compacted to the thickness and width as called for on the plan details and as described in Section 302.03 of the MDOT Standard Specifications for Construction. Unless otherwise indicated in the Suppplemental Specifications, aggregate base courses shall be compacted to a minimum density of ninety-eight (98) percent of the maximum unit weight.

d. Sawcutting

All pavement, curb and gutter, and sidewalk removals shall be accomplished by sawcutting with a power-driven concrete saw. Sawcutting shall be full depth for all pavements (concrete, bituminous, concrete with bituminous overlay).

In bituminous pavement, sawcut lines shall be parallel with or perpendicular to the direction of vehicle travel.

In concrete pavement, sawcut lines shall be cut parallel with pavement joints. Sawcuts shall not be nearer than five (5) feet to a transverse joint, to the center of pavement, or to the edge of pavement such that no existing or replacement pavement section shall be less than five (5) feet in width. If the proposed sawcut is nearer than five (5) feet to a joint or centerline of a pavement, then removal and replacement shall be extended to said joint or centerline.

If an integral concrete curb is to be removed, then the minimum removal width shall be eighteen (18) inches.

e. Hot Mix Asphalt (HMA) Pavement

Hot mix asphalt pavements shall be constructed in accordance with the plan details and Section 501 of the MDOT Standard Specifications for Construction. Where new asphalt pavement is to adjoin existing asphalt pavement, a two (2) foot wide butt joint shall be constructed. A bond coat shall be applied to the existing pavement surface. Unless otherwise called for in the plan details, the following sections shall apply as a minimum:

Bike paths:	3" HMA over 4" 21AA aggregate base (with soil sterilant application)
Residential driveways:	3" HMA over 6" 21AA aggregate base
Commercial driveways:	4" HMA over 8"21AA aggregate base; or 8" asphalt
Residential streets:	4" HMA over 8" 21AA aggregate base; or 8" asphalt
Collector road:	9" HMA over 6" 21AA aggregate base

The laboratory density of HMA pavement shall be determined by the Marshall Procedure ASTM D-1559 using 50 blows on each of the specimens as the compactive effort. One set of three (3) specimens shall be made on the first day of placement and on subsequent days as determined by the Engineer.

The measurement of field-compacted density shall be done with a nuclear gage. The percent of compaction obtained shall be determined by dividing the field-compacted density by the laboratory density and multiplying the result by 100. Unless otherwise indicated in the plan details or Supplemental Specifications, all HMA pavements shall be compacted to a minimum calculated density of 97%.

Density tests shall be taken on the completed pavement at a frequency of one test every 500 linear feet of paving lane, except for the last unit which will be 500 linear feet, plus any fractional unit less than 250 feet in length, or will be a fractional unit of 250 feet or more in length. Miscellaneous areas such as intersections, crossovers and widening lanes less that 250 feet long will be tested as directed by the Engineer.

f. Concrete Pavement

Concrete pavements shall be constructed in accordance with the plan details as well as Sections 602 and 801 of the MDOT Standard Specifications for Construction. Where new concrete pavement is to be anchored to old pavement, dowel bars and lane ties shall be installed in accordance with MDOT Standard Plans. Joints shall be installed in the new concrete pavement to match existing joint types and locations. Reinforcing steel shall be similar to that in the existing pavement and shall provide the same cross sectional area of reinforcement per foot as the existing pavement. Unless otherwise called for in the plan details, the following sections shall apply as a minimum:

Residential driveways:	6" non-reinforced concrete over 4" sand base
Commercial driveways:	8" non-reinforced concrete over 4" sand base
Residential streets:	8" non-reinforced concrete over 6" sand base
Collector road:	9" non-reinforced concrete over 6" sand base

g. Concrete Sidewalk and Ramps

Concrete sidewalks and ramps shall be constructed in accordance with the plan details and Section 803 of the MDOT Standard Specifications for Construction. Unless otherwise called for in the plan details, the following sections shall apply as a minimum:

Sidewalks:	4" concrete over 4" sand base
Sidewalks (at residential drive crossing):	6" concrete over 4" sand base
Sidewalks (at commercial drive crossing):	8" concrete over 4" sand base
Sidewalk ramps:	4" concrete over 4" sand base

h. Concrete Curb and Gutter

Concrete curb and gutter shall be constructed in accordance with plan details and Section 802 of the MDOT Standard Specifications for Construction.

17. TURF ESTABLISHMENT

The CONTRACTOR shall furnish and place topsoil, seed, or sod, and fertilizer for all areas that were disturbed during construction. Seed and sod shall be installed in accordance with the seasonal limitations that are described in section 816.03 of the MDOT Standard Specificiations for Construction unless directed otherwise by the Engineer.

a. Topsoil

Unless otherwise called for on the plans, a minimum of three (3) inches of topsoil shall be placed for areas that are to be restored with seeding or sodding. Topsoil shall be placed on a prepared earth bed in accordance with Section 816.03A of the MDOT Standard Specifications for Construction.

The existing earth bed shall be graded such that the placement of topsoil and sod will meet the final plan grades.

b. Seed

Seeding shall be sown in accordance with Section 816.03C of the MDOT Standard Specifications for Construction. The application rate for the seeding shall be as shown in the table in part 8 of the Materials Section.

c. Mulch and Mulch Blankets

Mulch and mulch blankets shall be placed over seeded areas as called for in Section 816.03E through H of the MDOT Standard Specifications for Construction. If mulch blankets must be secured to a slope, then biodegradable netting and biodegradable earth staples shall be used.

Mulch anchoring shall be considered as incidental to mulch placement unless a pay item for mulch anchoring has been included in the Bid Form.

d. Sod

Sod shall be placed in accordance with Section 816.03D of the MDOT Standard Specifications for Construction.

A sod cutter shall be used to establish a smooth vertical edge when new sod is to abut existing sod.

e. Fertilizer

Fertilizer shall be placed in accordance with Section 816.03B of the MDOT Standard Specifications for Construction. The application rate for the fertilizer shall be as shown in table in Part 8 of the Materials Section.

f. Watering and Maintenance

It is the responsibility of the CONTRACTOR to regularly water new seed and sod in order to establish a dense lawn of permanent grasses that is free from mounds and depressions. Any portion of a sodded area that "browns-out" or does not firmly knit to the soil base, or any portion of a seeded area that fails to show a uniform germination, shall be resodded or reseeded. Such resodding or reseeding shall be at the CONTRACTOR's expense and shall continue until a dense lawn in established.

Watering seed and sod shall be considered as incidental to the turf establishment work unless a pay item for water has been included in the Bid Form.

18. FENCING

Prior to the start of any fence restoration work, the CONTRACTOR shall verify that the line and grade are correct.

a. Removing and Replacing Existing Fences

Fences shall be removed and replaced or shall be removed as indicated on the Plans or as directed by the ENGINEER. If any of the existing material is damaged or destroyed, the CONTRACTOR shall replace the material at his expense. Replacement fence material shall be of a condition comparable to that which existed prior to construction.

After the fence removal or relocation operations are complete, all surplus material shall be removed and disposed of by the CONTRACTOR at his expense unless otherwise called for on the Contract Documents.

Any holes or voids resulting from the fence post removal operation shall be backfilled

with a suitable material, as approved by the ENGINEER.

b. Placing New Fence

Woven wire and chain link fencing shall be installed in accordance with Sections 808.03A and D of the MDOT Standard Specifications for Construction. If called for on the plans, a top rail shall be used in place of tension wire for the chain link fence construction. Other fence types (timber, boulders, decorative rock, etc.) shall be constructed in accordance with plan details.

19. GUARDRAIL

Guardrail shall be placed in accordance with Section 807 of the MDOT Standard Specifications for Construction. Guardrail design shall be approved by the ENGINEER and shall conform to the current applicable standards of the agency that has jurisdiction of the right-of-way.

Any holes or voids resulting from the guardrail post removal operation shall be backfilled with a suitable material, approved by the ENGINEER.

20. TREE & SHRUB PLANTING

Trees and shrubs shall be planted in accordance with Section 815 of the MDOT Standard Specifications for Construction. Nursery stock shall conform to the standards shown in the American Standard for Nursery Stock (ANSI Z60.1-1996).

Watering and cultivating trees and shrubs during the establishment period shall be considered as incidental to the tree and shrub planting work unless a pay item for watering and cultivating has been included in the Bid Form.

21. MAILBOXES

Where mailbox post replacement is called for on the plans, new mailbox posts shall be furnished and installed in accordance with Section 807 of the MDOT Standard Specifications for Construction and the plan details.

22. TRAFFIC SIGNS & POSTS

Placement of traffic signs and posts shall be done in accordance with the applicable Sections in 810 of the MDOT Standard Specification for Construction, the current edition of the Michigan Manual of Uniform Traffic Control Devices, and the plan details.

23. PERMANENT PAVEMENT STRIPING

Permanent pavement striping shall be placed in accordance with the plan details and Section 811 of the MDOT Standard Specifications for Construction.

24. DRAINAGE STRUCTURES, CULVERTS, & DITCHES

As part of restoration, the CONTRACTOR shall be responsible for cleaning out all drainage structures, culverts, and ditches that are located within the area of construction. All ditches shall be restored such that drainage will flow freely. The cost of this work shall be considered as incidental to the project.

25. PROGRESS OF FINAL RESTORATION

If in the judgement of the OWNER, adequate site restoration efforts are not being expended, including but not limited to, roadway, driveway and drainage maintenance, removal of surplus materials, restoration of all signs, mail boxes and like items, then the OWNER will take the necessary steps to perform such restoration and shall charge the CONTRACTOR for all of the costs until proper order is restored.

End of Section

METHOD OF PAYMENT

GENERAL **2**
Mobilization 3
Digital video recorded Survey 3
Pavement, Remove 4
Sidewalk, Remove 4
Station Grading 4
Erosion Control, Silt Fence 5
Storm Sewer and Culverts 5
Culvert End Sections 6
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Remove and Reset Salvaged Irrigation Head 7
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Final Clean Up 10
Relocate or Brace Utility Poles and Guy Wires 11
Cleanouts & Water Valve Box Adjustment 11
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METHOD OF PAYMENT

GENERAL

A. PRICES AND MEASUREMENT:

Payment for work under this contract will be based on a unit price or lump sum for work actually completed. Final measurements of the work will be taken by the Engineer to determine the amount of work done and thereby determine the total cost. The method of applying the unit prices to measured quantities will be as herein specified. Payment will include the cost of all labor, tools, materials, and equipment necessary to do the work.

Several items may have been included in the bid form but may not be called for on the plans. These items have been included in order to establish a unit price in the event that the item of work is necessary. The Contractor should be aware that these items may increase, decrease, or be zero based on field conditions, or Owner direction.

B. INCIDENTAL ITEMS:

Any items of work indicated as incidental or included shall be considered as part of the project work and shall be completed at no additional expense to the Owner. Incidental or included items shall include labor, materials, and equipment that may not be specifically listed in the Bid Form or in the drawings or specifications, but which are necessary to complete the work.

C. PERMITS:

A number of permits have been applied for by the Owner of this project. The permits must be acquired from the appropriate agency by the Contractor when they are approved. Any permit fees, bonds, and/or permit agency inspection costs will be the responsibility of the Contractor and shall not result in additional cost to the Owner. A list of permits required for this project is shown in the Supplemental Instructions to Bidders section.

MOBILIZATION
(Bid Item 1)

The completed work as measured for MOBILIZATION will be paid for at the contract unit price for the following contract item (pay item):

Pay Item	Pay Unit
Mobilization, Max. 10%	lump sum

The lump sum price shall be payment in full for all preparatory work and operations which may include, but is not limited to, the following items:

1. The movement of personnel, equipment, supplies, and incidentals to the project site.
2. The establishment of the Contractor's offices, buildings, and other facilities to work on the project.
3. Other work and operations that must be performed.
4. Expenses incurred, prior to beginning work on the various contract items on the project site.
5. Pre-construction costs, exclusive of bidding costs, which are necessary direct costs to the project rather than directly attributable to other pay items under the contract.
6. Permits, bonds, etc.

The pay item will state the maximum amount that can be bid. When the percentage of the original contract amount earned is less than 10 percent, the costs of project specific bonding, insurances, and permits will be reimbursed when a paid invoice is received by the Engineer. The costs of these will then be made in accordance with the Partial Payment Schedule shown below. The original contract amount is the total value of all contract items including the mobilization item. The percentage earned is exclusive of the mobilization item. The total sum of all payments for this item shall not exceed the original contract amount bid for mobilization, regardless of the fact that the Contractor may have, for any reason, shut down his work on the project, moved equipment away from the project and then back again, or for additional quantities or items of work added to the contract.

Partial Payment Schedule

Percentage of Original Contract Amount Earned	**Percentage of Bid Price for Mobilization Allowed**
5	50
10	75
25	100

When a pay item for mobilization is not included in the proposal, payment for any such work is considered to have been included in payments made for other items of work.

DIGITAL VIDEO RECORDED SURVEY
(Bid Item 2)

The completed work as measured for DIGITAL VIDEO RECORDED SURVEY will be paid for at the contract lump sum price for the following contract item (pay item):

Pay Item	Pay Unit
Digital Video Recorded Survey	lump sum

The lump sum price shall be payment in full for all labor, materials, and equipment necessary to prepare the audio video route survey in accordance with the specifications. Video recording limits are discussed in the Supplemental Specifications section.

Payment shall include the provision of two sets of DVDs containing the complete recordings to the Engineer.

PAVEMENT, REMOVE
(Bid Item 3)

The completed work as measured for PAVEMENT, REMOVE will be paid for at the contract unit price for the following contract item (pay item):

Pay Item	Pay Unit
Pavt, Rem	square yard

Pavement removal shall be measured in place by area in square yards. The removal area shall be based upon the average length and width measurements as determined in the field by the Engineer.

The contract unit price shall be payment in full for all labor, material and equipment required to sawcut, remove, and properly dispose of the pavement off site. The contract unit price shall apply to pavement of any thickness (both bituminous and concrete), and gravel as called out on the plans.

SIDEWALK, REMOVE
(Bid Item 4)

The completed work as measured for SIDEWALK, REMOVE will be paid for at the contract unit price for the following contract item (pay item):

Pay Item	Pay Unit
Sidewalk, Rem	square yard

Concrete sidewalk and asphalt pathway removal shall be measured in place by area in square yards. The removal area shall be based upon the average length and width measurements as determined in the field by the Engineer.

The contract unit price shall be payment in full for all labor, material and equipment required to sawcut, remove, and properly dispose of the sidewalk, pathway, and ramps off site. The contract unit price shall apply to sidewalk and pathway of any thickness or any material or combinations of materials.

STATION GRADING
(Bid Item 5)

The completed work as measured for STATION GRADING will be paid for at the contract unit price for the following contract item (pay item):

Pay Item	Pay Unit
Station Grading	station

Station grading for sidewalk construction shall be measured along the centerline of sidewalk from end of walk to end of walk. One station equals one hundred feet.

The contract unit price shall be payment in full for all labor, materials, and equipment necessary to perform all earthwork for construction of the sidewalk. The contract unit price shall include items such as removing topsoil and vegetation up to 18 inches of depth, excavating, grading, and compacting earth along the pathway route, stockpiling, sterilizing the subgrade, and finish grading. Furnishing, grading, and compacting suitable embankment material as well as removing excess or unsuitable material shall also be considered as part of the Station Grading work. In addition, root trimming, clearing, brushing, and removal of trees under 6 inches in diameter shall be considered as part of the work unless separate pay items have been included in the bid form. Grading or regrading of drainage swales adjacent to the sidewalk in order to maintain positive drainage is also included with this pay item.

EROSION CONTROL, SILT FENCE
(Bid Item 6)

The completed work as measured for EROSION CONTROL, SILT FENCE will be paid for at the contract unit price for the following contract item (pay item):

Pay Item	Pay Unit
Erosion Control, Silt Fence	foot

Silt fence shall be measured in place horizontally by linear feet. The length shall be measured along the top of fence from end of fence to end of fence.

The contract unit price shall be payment in full for all labor, materials, and equipment necessary to furnish, install, and maintain the silt fence in accordance with the plan notes and details. Removal and disposal of the silt fence and accumulated sediment upon final completion of the project shall be considered as included in the work. Placement and maintenance of stone outlet filters at low points along the silt fence line shall also be considered as included in the silt fence work. Maintenance work will include removal and replacement of silt fence and outlet filters as directed by the Engineer. Restoration of disrupted areas shall be paid for separately under the appropriate surface restoration pay items.

STORM SEWER AND CULVERTS
(Bid Item 7)

The completed work as measured for STORM SEWER AND CULVERTS will be paid for at the contract unit price for the following contract items (pay items):

Pay Item	Pay Unit
Culv, CMP, 12 inch	foot

Storm sewer shall be measured in place horizontally by linear feet. The length shall be measured along the centerline of the pipe from end of pipe to end of pipe or to center of structure. Radius pipe or bend sections will be measured and paid for as storm sewer. The measurement shall not include the length of end sections, which shall be paid for separately.

The contract unit price shall be payment in full for all labor, materials, and equipment necessary to construct the storm sewer. The payment for storm sewer shall include the following (except such items for which separate prices are received on the Bid Form): clearing; excavating; trenching; disposal of items

from clearing; disposal of unsuitable or excess excavated materials; temporary sheeting, bracing and shoring of excavations; support, relocation, replacement, connection or reconnection of existing pipe lines, building leads and utilities; furnishing and placing of pipe, jointing materials, fittings, bulkheads, plugs, adaptors; furnishing and placing of required bedding, backfill, and fill materials; complete cleanup and surface restoration. Removal of an existing storm sewer shall be considered as included in the price for the new storm sewer construction if the new storm sewer is being constructed in the same trench as the existing sewer.

Payment for storm sewer shall also include up to 18 inches of trench undercut and refill with compacted MDOT 6A crushed gravel or 6A crushed concrete unless otherwise shown in the plan details.

Trench bedding and backfill materials shall be compacted MDOT CLII sand.

The contract unit price shall also include payment in full for dewatering of the excavation as described in the Earthwork section.

CULVERT END SECTIONS
(Bid Item 8)

The completed work as measured for CULVERT END SECTIONS will be paid for at the contract unit price for the following contract items (pay items):

Pay Item	Pay Unit
Culv End Sect, CMP, 12 inch	each

The contract price shall be payment in full for all labor, material, and equipment necessary to furnish and install the end sections in accordance with the plan details. Excavation, trenching, bedding, backfill, and disposal of excess or unsuitable materials shall be included in the contract unit price for culvert end sections. If called for on the plans, concrete footings and bar screens shall be included as part of the end sections and shall not be paid for separately.

SUBBASE COURSE
(Bid Item 9)

The completed work as measured for SUBBASE COURSE will be paid for at the contract unit price for the following contract items (pay items):

Pay Item	Pay Unit
Sand Subbase, CL II	ton

Subbase course shall be measured in tons based upon certified weight delivery tickets.

The contract unit price shall be payment in full for all labor, materials, and equipment necessary to place, grade, and compact the sand subbase materials. Any earth excavation, subgrade preparation, or material disposal that is required for the sand subbase placement shall be considered as incidental to the work unless separate pay items have been included in the bid form for earthwork.

CONCRETE SIDEWALK RAMP
(Bid Item 10)

The completed work as measured for CONCRETE SIDEWALK RAMP, ADA will be paid for at the contract unit price for the following contract item (pay item):

Pay Item	Pay Unit
Sidewalk Ramp, Conc, 6 inch	square foot

Concrete sidewalk ramps shall be measured in place and shall be paid for based upon the length and width measurements of the sidewalk ramp area as determined by the Engineer.

The contract unit price shall be payment in full for all labor, materials, and equipment necessary to construct sidewalk of the required thickness in accordance with the plan details. Furnishing, placing, and compacting a 4-inch thick sand base shall be considered as incidental to the sidewalk placement. Any necessary excavation, backfill, and disposal of excess materials shall also be considered as incidental to the sidewalk ramp construction.

The contract unit price shall also include all labor, materials, and equipment necessary to construct the 24" detectable warning plates. Detectable warning plates must be installed using fabricated or field cut units cast and/or anchored in the pavement.

All sidewalk ramps and detectable warnings shall be constructed to current ADA requirements (MDOT detail R-28-I).

CONCRETE SIDEWALK
(Bid Items 11,12)

The completed work as measured for CONCRETE SIDEWALK will be paid for at the contract unit prices for the following contract items (pay items):

Pay Item	Pay Unit
Sidewalk, Conc, 4 inch	square foot
Sidewalk, Conc, 6 inch	square foot

Concrete sidewalk shall be measured in place and shall be paid for based upon the length and width measurements of the sidewalk area as determined by the Engineer.

The contract unit price shall be payment in full for all labor, materials, and equipment necessary to construct sidewalk of the required thickness in accordance with the plan details. Furnishing, placing, and compacting a 4-inch thick sand base shall be considered as incidental to the sidewalk placement. Any necessary excavation, backfill, and disposal of excess materials shall also be considered as incidental to the sidewalk construction.

REMOVE AND RESET SALVAGED IRRIGATION HEAD
(Bid Item 13)

The completed work as measured for REMOVE AND RESET SALVAGED SPRINKLER HEAD will be paid for at the contract unit price for the following contract items (pay items):

Pay Item	Pay Unit
Remove and Reset Irrigation Sprinkler Head	each

The contract unit price shall be payment in full for all labor, materials, and equipment necessary to remove and salvage existing irrigation heads and to reset them in the same location or a new location as called for on the plans. Removing, salvaging, and relaying existing irrigation lines shall be considered as included in the irrigation head work unless a separate pay item is included in the Bid Form for new irrigation lines. Any sprinkler heads or lines that are damaged by the contractor shall be replaced in kind with new materials at no additional cost to the Owner.

UNDERGROUND IRRIGATION LINE
(Bid Item 14)

The completed work as measured for UNDERGROUND IRRIGATION LINE will be paid for at the contract unit price for the following contract item (pay item):

Pay Item	Pay Unit
Irrigation Line	feet

Underground irrigation line shall be measured in place horizontally by linear feet. The length shall be measured along the centerline of the irrigation line from the center of irrigation head to center of irrigation head or to end of line.

The contract unit price shall be payment in full for all labor, materials, and equipment necessary to install the new lines, connect irrigation heads, connect to the existing system, provide fittings as necessary, testing, system start-up, and sketch of as-built line locations.

TRAFFIC MAINTENANCE AND CONTROL
(Bid Item 15)

The completed work as measured for TRAFFIC MAINTENANCE AND CONTROL will be paid for at the contract unit price for the following contract items (pay items):

Pay Item	Pay Unit
Traffic Control	lump sum

The contract lump sum price shall be payment in full for all labor, materials, and equipment necessary to furnish, install, and maintain all signs, cones, barricades, flagging, etc. as required by the Michigan Manual of Uniform Traffic Control Devices and the Supplemental Specifications. Removal of any temporary signs or other traffic control equipment upon completion of the project shall be considered as incidental to the traffic maintenance and control work.

PAVEMENT MARKINGS
(Bid Item 16,17,18,19)

The completed work as measured for PAVEMENT MARKINGS will be paid for at the contract unit prices for the following contract items:

Pay Item	Pay Unit
Pavt Mrkg, Ovly Cold Plastic, 6 inch, White	foot
Pavt Mrkg, Ovly Cold Plastic, 12 inch, White	foot
Pavt Mrkg, Ovly Cold Plastic, Ped	ea

Pavt Mrkg, Ovly Cold Plastic, ing	ea

Pavement striping shall be measured in place horizontally by linear feet. The length shall be measured along the painted segment from end to end of paint marks. Pavement marking symbols and legends shall be counted and paid for by each.

The contract unit price shall be payment in full for all labor, materials, and equipment necessary to furnish and install the pavement markings in accordance with the plan details and the manufacturer's instructions. All sweeping and preparatory work as well as traffic control and temporary protection of newly placed markings shall be considered as incidental to the pavement marking work. Removal of any temporary pavement markings shall also be considered as incidental unless the Bid Form already includes pay items for removing temporary markings.

PERMANENT TRAFFIC SIGNS
(Bid Item 20)

The completed work as measured for PERMANENT TRAFFIC SIGNS will be paid for at the contract unit price for the following contract items (pay items):

Pay Item	Pay Unit
Sign, Type IIIB	square foot

Signs shall be measured in place by square feet and shall be based upon the length and width measurements of the sign area as determined by the Construction Observer.

The contract unit price shall be payment in full for all labor, materials, and equipment necessary to furnish and install the signs in accordance with the plan details and the current edition of the Michigan Manual of Uniform Traffic Control Devices. Any hardware that is required to attach the sign to the post shall be considered as included in the payment for the sign. Furnishing and installing new steel posts, 3 lb., shall also be considered as included in the sign payment unless a separate pay item has been included in the Bid Form for this.

POST, STEEL
(Bid Item 21)

The completed work as measured for POST, STEEL will be paid for at the contract unit price for the following contract item (pay item):

Pay Item	Pay Unit
Post, Steel, 3 lb	foot

Posts shall be measured in linear feet. Before the post is installed in the ground, a measurement shall be made along the length of the post from end to end.

The contract unit price shall include all labor, materials, and equipment necessary to furnish and install the post in accordance with plan details and the current edition of the Michigan Manual of Uniform Traffic Control Devices.

RECONSTRUCT SANITARY STRUCTURE
(Bid Item 22)

The completed work as measured for RECONSTRUCT SANITARY STRUCTURE will be paid for at the contract unit price for the following contract items (pay items):

Pay Item	Pay Unit
Reconstruct Sanitary Structure	each

The work of reconstructing structures shall be paid for on a per structure basis and shall apply when the total amount of vertical change of the casting (up or down) is six inches or more. Vertical change less than six inches shall be paid for as Adjust Sanitary Structure. The pay item for reconstructing sanitary structures shall apply only to existing sanitary manholes. The reconstruct structure pay item shall not apply to new structures since final adjustment in this case is included in the contract unit price of the new structure.

The contract unit price shall be payment in full for all labor, material, and equipment necessary to reconstruct structures in accordance with the plan details so that the castings will match the new finished pavement or landscape surface grades. Excavation, backfill, cleaning the existing casting and disposal of excess or unsuitable materials shall all be considered as included as part of the reconstruction work.

TURF ESTABLISHMENT
(Bid Item 23)

The completed work as measured for TURF ESTABLISHMENT will be paid for at the contract unit price for the following contract items (pay items):

Pay Item	Pay Unit
Turf Establishment	lump sum

The contract lump sum price shall be payment in full for all labor, materials, and equipment necessary to establish disturbed turf areas with topsoil, seed, and mulch or sod as called for in the specifictions. Watering until vigorous turg growth is established shall be included in the turf establishment pay item. Application of mulch anchoring shal be considered incidental to the placemetn of mulch.

CLEAN OUT STORM STRUCTURES

Upon completion of the restoration work, the contractor shall clean out all storm structures, which are located within the project area. This work shall be considered as incidental to the project cost.

MISCELLANEOUS RESTORATION ITEMS

Restoration of miscellaneous items such as, but not limited to, street signs, traffic signs, shrubbery and other ornamental landscape items which are damaged, removed, or destroyed by the Contractor in the course of the work shall be repaired or replaced by the Contractor with new materials of equal quality as existed prior to the start of work. All such items for which specific bid items are not listed in the proposal shall be considered as incidental work and shall be replaced or repaired at the expense of the Contractor.

FINAL CLEAN UP

Final clean up of the job shall be considered as incidental. Items in this category include removal of debris and litter from the site, removal of surplus materials, sweeping, repair of any damages, and clean out of drainage structures located within the work area.

Surface Restoration shall commence immediately upon completion of final grading or as MDOT seasonal limitations dictate.

RELOCATE OR BRACE UTILITY POLES AND GUY WIRES

The cost of relocating or bracing utility poles and guy wires, including all labor, materials, machinery and equipment, shall be considered incidental to the project and no extra payment shall be made for such work.

CLEANOUTS & WATER VALVE BOX ADJUSTMENT

Adjustment of cleanouts and water valve boxes, if required, shall be considered as incidental to the project cost. The Contractor shall furnish all labor, materials, tools and equipment required to adjust boxes from the existing elevation to the finished elevations.

PRIVATE UTILITY ADJUSTMENT

Adjustment and/or relocation of private utility structures such as gas valves, structure covers, riser boxes, etc. shall be considered as incidental to the project. The Contractor shall furnish all labor, materials, tools, and equipment required to adjust private utility structures to the finished elevations. If private utility structures are to be adjusted and/or relocated by their respective owners, then the Contractor shall be responsible for coordinating this work with the private utility owner as incidental to the project.

EASEMENT CONDITIONS

The Contractor shall be required to review and comply with easement conditions that are shown on the plans or contract documents. Compliance with easement conditions shall be considered as incidental to the overall project cost.

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1. GENERAL

These Supplemental Specifications are supplements to the General Conditions and General Specifications. Where conflicts exist between the aforementioned Contract Documents, the conditions in the Supplemental Specifications shall govern.

2. LOCATION OF PROJECT

The project site is located at Main Street in Whitmore Lake, MI.

3. SCOPE OF PROJECT

The work to be done under this Contract includes the furnishing of all materials, equipment, and labor necessary to construct the proposed sidewalk and pedestrian crossings as well as all necessary earthwork, cleaning and restoration in accordance with the plans and specifications.

4. CONSTRUCTION STANDARDS

It is the intention of these specifications to construct all work in accordance with applicable requirements of the Northfield Township, the Washtenaw County Road Commission, these specifications, and the plans referenced herein. Where there is a conflict between any of the aforementioned specifications and the permit requirements of the agency controlling the respective utility or rights-of-way, the more restrictive shall govern.

5. PROGRESS MEETINGS

During the life of the project bi-weekly progress meetings may be held to discuss the project status, potential construction problems, the schedule, and other items that may impact the progress of the work. This meeting shall be attended by the CONTRACTOR, any subcontractors whose work is in progress or will be started in the two weeks following the progress meeting, the ENGINEER and the OWNER. The date, place, and time of the first progress meeting will be set at the preconstruction meeting and subsequent meetings will follow every 2 weeks.

6. INCIDENTAL CONTRACT ITEMS

All items of work noted on the plans or in the specifications that are not specifically noted in the Bid Form as a pay item shall be considered included in the pay items provided for the construction of the project and shall be constructed at no extra cost to the OWNER.

7. FEDERAL REQUIREMENTS

This project is being funded in part by the Federal Government. Therefore, it is mandatory that the CONTRACTOR be in compliance with the following Federal Requirements:

A. Davis-Bacon Act, July 2, 1964 (Title 40, USC, 276A)

B. Anti-Kickback Act (Title 18, USC 874)

C. U.S. Department of Labor Regulations and Standards (Title 29, 1, 3 and 5)

D. Equal Employment Opportunity Act, September 18, 1965 (Executive Order No. 11246)

E. Federal Occupational Safety and Health Act of 1970

F. Housing and Urban Development Act of 1968, Section 3, as amended, 12 USC, 1701u.

8. LIQUIDATED DAMAGES

The CONTRACTOR will be expected to mobilize sufficient manpower and equipment and to work within the required project hours to maintain the schedule. In addition, the CONTRACTOR shall take into account all seasonal and weather limitations described in the Contract Documents when preparing the progress schedule. The CONTRACTOR is responsible for all means to protect the work from the weather, and shall include these costs in the bid items for the work. This project will be completed in accordance with the Time of Completion and Construction Schedule section of the Supplemental Specifications.

If the CONTRACTOR fails to complete all work as described above before the Substantial Completion date of DATE the CONTRACTOR will be charged for each calendar day that the project is not completed. These charges will be assessed for every calendar day, including calendar days throughout the winter, until the work is completed. Liquidated Damages will be as set forth below.

For each day beyond Substantial Completion date during which the work remains incomplete, the CONTRACTOR will be assessed liquidated damages of $600 per Day.

The entire project shall be completed on or before DATE. Liquidated damages, as noted above, will be assessed for failure to complete on time in accordance with the Supplemental Specifications. Damages will continue to be assessed until the project is completed.

No extension of time will be granted for labor disputes unless it can be shown that such disputes are industry wide.

Any extra costs incurred by the CONTRACTOR due to cold weather protection, night work, winter grading, insufficient manpower, and equipment necessary to maintain the expedited schedule and/or meet the completion date, and any overtime utilized will not be paid for separately.

No extension of time will be granted for delays in delivery of critical material unless the delay can be shown to be industry-wide and the delay affects a critical item of work.

9. .FAIR EMPLOYMENT PRACTICES ACT

The CONTRACTOR agrees that neither he nor his subcontractors will discriminate against any employee or applicant for employment. The CONTRACTOR shall not discriminate with respect to his hire, tenure, terms, conditions or privileges of employment, or any matter directly or indirectly related to employment, because of race, color, religion, national origin or ancestry, nor shall age or sex be a condition of employment except where based upon an occupational qualification. Breach of these covenants may be regarded as a material breach of this Contract.

10. OBSERVATION OF CONSTRUCTION

All construction operations will require full time observation by the OWNER's representative. The CONTRACTOR must notify the ENGINEER at least three (3) working days (72 hours) prior to construction and no work shall be performed without the ENGINEER's presence or awareness. Contact the Construction Staffing Coordinator at (734) 522-6711 to schedule observation.

11. HOURS OF WORK

Work may be performed during the hours of 7:00 a.m. to 7:00 p.m., Monday through Saturday only. Work at other times may be performed only by written permission of the OWNER.

12. TESTING & SAMPLING

The CONTRACTOR shall furnish all samples of materials necessary for tests as determined by the ENGINEER or the Construction Observer. All samples taken for analysis and tests shall be taken in such a manner as to be truly representative of the entire lot under test. The CONTRACTOR shall furnish such assistance and facilities as the ENGINEER may require for collecting, storing or curing samples. Where materials tests are to be performed by the manufacturer, the certificates of approval shall be submitted to the ENGINEER. The cost of all such testing by manufacturers shall be incidental to the project. Additional required tests on materials in place shall be made at the expense of the OWNER, unless otherwise stipulated.

The OWNER's Agent shall arrange for and furnish testing services as provided by an acceptable independent laboratory as part of this Contract. These services shall be as follows, in addition to the testing requirements noted in the General Conditions:

All concrete shall be slump and air tested, with cylinders taken (as noted above) in compliance with the current MDOT Standard Specifications for Construction.

There may be areas with uncompacted fill material or organic materials; as a result, all areas within the influence of proposed pavement shall be proof rolled as a minimum, to the satisfaction of the ENGINEER. Some testing may be required.

All aggregate base and pavement shall be tested for compaction. A reputable firm, approved by the ENGINEER shall extensively test all such areas with a nuclear densimeter. In addition, all utility crossings and the areas immediately adjacent to any structures in the pavement shall be specifically tested. Areas which fail shall be compacted further and retested. Failure to pass a second test shall be reason to undercut and refill the area, as directed by the ENGINEER, with careful attention to compaction.

13. LIMITED WORK SPACE AND STOCKPILING MATERIALS

The CONTRACTOR shall receive no additional payment or contract extension for hardship or loss of productivity as a result of the limited work space vertically or horizontally. All stockpile locations must be approved by the ENGINEER prior to placement of materials, but the ENGINEER may request relocation of stockpiled or stored materials if they appear to create a plausible public safety hazard or any type of long-standing problem. If the CONTRACTOR wishes to stockpile material on nearby vacant property, it will be his responsibility to contract the property owner for permission. The Township or County will

not become involved with any such agreements and will not be held responsible for any damages which the CONTRACTOR may cause to private property. The CONTRACTOR shall not be compensated for restoration of stockpiling areas unless said areas were within the original project grading limits. All surplus materials which cannot be incorporated into the work shall become the property of the CONTRACTOR and shall be removed from the project areas by the CONTRACTOR prior to final payment.

14. STAKING

The ENGINEER will provide construction staking. The staking shall consist of horizontal and/or vertical control staking for sidewalk construction at 50 foot intervals. The CONTRACTOR is responsible for providing a written request for staking to the ENGINEER at least seventy-two (72) hours in advance of starting work and notifies the lead ENGNEER. Staking requests should be emailed to both Luke Heath at luke.heath@ohm-advisors.com and Gary Smolinski at gary.smolinski@ohm-advisors.com. The CONTRACTOR shall carefully preserve all stakes set by the ENGINEER. In the case of willful or careless destruction, the ENGINEER shall provide the restaking and the CONTRACTOR shall be charged with the resulting expense and shall be responsible for delays and errors caused by unnecessary loss or disturbance of the stakes. The expense for restaking will be entered as a deduct on pay estimates and the resulting amount retained by the OWNER for payment of restaking.

15. STATION GRADING

A pay item for Station Grading is included on the Bid Form for this project.

This work shall be done in accordance with methods of roadway earthwork as described in Section 205 of the 2012 Michigan Department of Transportation Standard Specifications for Construction except as herein provided.

The work of Station Grading shall consist of all earthwork required to construct the sidewalk and pedestrian crossings shown on the plans and typical cross sections. The work shall include the salvaging and stockpiling of selected materials, disposing of surplus or unsuitable material, furnishing, placing and compacting embankment materials, trimming the earth grade, compacting the subgrade, and maintaining the work in a finished condition until acceptance by the ENGINEER.

All suitable excavated material from the project, including undercut, shall be used as directed by the ENGINEER to construct embankments, backfill muckholes, or flatten slopes as incidental.

All surplus excavated and unsuitable or waste material not incorporated into the project shall become the property of and shall be disposed of by the CONTRACTOR as incidental. The CONTRACTOR shall follow federal, state and local regulations in the disposal of surplus materials.

After the earth grade has been constructed to the required grade, all stones and rocks more than three (3) inches in diameter, appearing on the surface, shall be removed.

The grading shall be so conducted as to avoid removing or loosening any material outside of the required slopes, and any such material which may be removed or loosened shall be replaced and thoroughly compacted to the required cross section.

In addition to the items as specified in the 2012 MDOT Standard Specifications for Construction, the following items are included:

A. Strip topsoil within the grading limits (six (6) inch maximum depth).

B. Clearing of brush and shrubs and the removal of trees less than six (6) inches in diameter.

C. Backfilling behind the curb, and adjacent to drive approaches and drives.

D. Removal or relocation of all signs within the grading limits for which no other Contract item applies.

E. Removal of all other items which are identified as incidental and/or for which no other Contract item applies.

F. Constructing new swales and ditches as directed in the field.

G. Reconstruction/regrading/cleanout of existing drainage courses and ditches.

The CONTRACTOR is advised that he should perform his own earthwork calculations for the road construction work when preparing his bid price.

16. TRAFFIC MAINTENANCE & CONTROL

A. General

During the course of construction, provisions must be made to maintain access for emergency vehicles at all times. Where possible and when directed by the ENGINEER, all streets must be left open to traffic at the end of each working day. Traffic maintenance and control as defined in this section shall be considered as included in the unit bid prices or lump sum bid prices that are given in the Bid Form.

All work for maintaining traffic and control shall be in accordance with Section 812 of the 2012 MDOT Standard Specifications for Construction and the current edition of the Michigan Manual of Uniform Traffic Control Devices, (MMUTCD). The Contractor shall also comply with work zone sign requirements as described in Public Act 315 of 2003.

The CONTRACTOR shall conduct his operations and use of equipment in such a manner that traffic will be maintained throughout the entire length of the project. When conditions are such as to warrant variations from this requirement, the procedure to be followed shall be approved by the ENGINEER prior to such procedure being put into effect.

The CONTRACTOR shall furnish, erect and maintain all barricades, signs and lights as required according to the current edition of the MMUTCD. Flagmen shall also be provided by the CONTRACTOR as necessary to protect the vehicular and pedestrian traffic and the work within the work zone areas. CONTRACTOR shall be responsible for notifying concerned parties such as Police, Fire, and school officials if a road closure and/or detour will be in effect. The CONTRACTOR shall notify the same parties when the road has been reopened.

Once work on a particular utility is begun, the CONTRACTOR must continue his work to completion. The OWNER will not permit random movements of work operations among the project area that tend to confuse traffic patterns.

B. Provision for Local Traffic

During the progress of the work, the CONTRACTOR shall accommodate both local vehicular and pedestrian traffic along the roads.

Access to all residences and businesses shall be maintained except as noted on the plans or as directed by the ENGINEER.

The CONTRACTOR's truck and equipment operations on public streets shall be governed by all local traffic ordinances and regulations of the Fire and Police Departments, the OWNER, and Michigan Department of Transportation.

C. Existing Warning and Regulatory Signs

Wherever possible, all existing signs on this project are to be preserved and maintained as incidental to the project.

Where it is not possible to preserve existing traffic control signs and street name signs, they shall be removed, temporarily reset and maintained by the CONTRACTOR. Upon completion of the project, the CONTRACTOR will reset traffic control signs and street name signs in the proper position.

In cases where new signs are called for, they shall be placed in accordance with the requirements outlined elsewhere in the Contract Documents.

Any new or existing signs damaged by the CONTRACTOR shall be replaced in kind by him at no additional cost to the OWNER.

D. Lane Closures and Detours

Any temporary closures or temporary access drives shall be approved by the OWNER, and shall meet their specifications and standards as well as those of the MMUTCD. Where there are conflicts, the more restrictive requirement shall apply. If any type of closure is to occur during twilight or darkness, proper lighting will be required.

E. Construction Signs and Barricades

Warning signs and barricade configurations shall meet the requirements of the Washtenaw County Road Commission, the OWNER, and the Michigan Department of Transportation.

The CONTRACTOR shall not begin any operation on the project until all required signs and barricades have been set.

All signs to be used during twilight or darkness shall be reflectorized, in good condition, with two continuous flashing lights.

The construction site shall at all times be maintained and left in a clean, neat, and safe condition, including any construction signing.

After working hours, signs that are not appropriate shall be covered and/or removed so that motorists will not be confused. The CONTRACTOR shall also remove and replace or cover (where practical) existing traffic signs that may conflict with the proposed construction.

17. LOAD RESTRICTIONS ON LOCAL STREETS

The CONTRACTOR shall not operate heavy trucks or equipment on any side street within the project area without permission from ENGINEER, the OWNER or appropriate governing agency.

18. UTILITIES

The location of public or private utilities shown on the plans is in accordance with mapping provided by the utility owners. No guarantee is given that the locations are absolutely accurate or that utilities other than those shown are not present.

For protection of underground utilities, the CONTRACTOR shall contact "Miss Dig" at 1-800-482-7171 a minimum of three (3) working days prior to excavating. This does not relieve the CONTRACTOR of the responsibility of notifying utility owners who may not be part of the "Miss Dig" alert system.

During the course of the construction, the CONTRACTOR will encounter both overhead and underground utilities. The names and phone numbers of the utility company representatives are shown as follows:

UTILITY	OWNER	NAME & PHONE NUMBER
Electric	Detroit Edison	(734) 397-4321
Fiber Optic	Charter Communications	Dan Bielaczyc (231) 941-3819
Fiber Optic	Windstream Communications	Joel Schroeder (310) 790-1514
Fiber Optic	Level 3	Judy Henry (720) 888-2061
Gas	Consumers Energy	Martha Diblase (517) 373-6100
Telephone	AT&T	Elizabeth Gaujanian (734) 996-5385
Water & Sanitary Sewer	Northfield Township WWTP	Tim Hardesty (734) 449-4159

Utility relocation work is not expected to be necessary for this project.

The electric, gas and telephone public utilities have been notified of existing underground utilities and utility poles that are within the construction limits. Those utilities in conflict with the proposed construction will be relocated by the utility OWNER. The CONTRACTOR shall cooperate with utility company forces to minimize project delays.

In the event that utilities are encountered which require relocation, it shall be the CONTRACTOR's responsibility to arrange for and schedule the relocation of the affected utilities with the owners.

No additional compensation will be paid for delays due to the encountering of existing utilities that are or are not shown on the plans.

19. EMERGENCY REPAIR

When the CONTRACTOR is not actively performing work on a particular construction site, situations of an emergency nature may arise as a result of uncompleted work. Such situations may affect, directly or indirectly, public and/or private property, and may ultimately affect the health, safety, and welfare of individuals or the general public. The intent of this article is to provide a procedure to eliminate these problems as they occur. While these problem situations can and do readily develop as emergencies, the ENGINEER shall direct field-related operations and require immediate efforts by the CONTRACTOR to remedy the deficiency in a method of his choosing because of his expertise in the field, time being of the essence. The correction of the "emergency" which may arise when no activity exists on the construction site shall be handled in the following manner:

A. The ENGINEER shall observe the site, take any necessary photographs and/or prepare any necessary sketches of conditions at the site to determine that the situation constitutes an emergency.

B. The ENGINEER then has three alternative sources of manpower and equipment to be selected to remedy the emergency situation in the following order:

    1. The CONTRACTOR under Contract with the OWNER to perform all work on the site location in question;

    2. The OWNER's Wastewater System Operator

    3. An independent CONTRACTOR designated by the OWNER.

Since the nature and extent of most unfinished work on a particular construction site is well known by both the ENGINEER's authorized agent and the CONTRACTOR at the time of declaring such an "emergency situation" as set forth herein before; the CONTRACTOR under Contract to the OWNER for the particular project would be the first party notified and would be expected to respond immediately with necessary manpower and equipment to remedy the problem.

If a reasonable time to respond to the emergency notification is not evident, in the best judgment of the ENGINEER, then the CONTRACTOR shall be judged to have waived his rights to physically correct the problem, but not his obligations to pay for such a physical correction or damages resulting there from. The ENGINEER shall then contact the OWNER's Wastewater System Operator for their assistance in correcting the "emergency situation". Where existing commitments by the Wastewater System Operator prohibit their immediate response to the request by the ENGINEER, the ENGINEER shall finally direct that corrective measures be performed by the independent contractor previously contacted by the OWNER to perform such emergency work when so directed.

Since the cost for all remedial work undertaken by the CONTRACTOR on this project shall be borne by the CONTRACTOR and it is necessary to engage the services of the Wastewater System Operator or an independent contractor, then all costs incurred would be deducted from monies due and payable to the CONTRACTOR on the particular project as set forth on any ensuing regular job estimates.

Typical costs which will be deducted from Contract monies due would be:

A. Payroll wages

B. Material bills

C. Equipment rental (Detroit area rates) and moving costs

D. 15% profit and overhead for independent contractor

E. 10% administrative costs

F. Observation costs

20. CONCRETE PAVEMENT CONSTRUCTION

Concrete pavement shall be constructed in accordance with the 2012 MDOT Standard Specifications for Construction unless otherwise indicated in the Supplemental Specifications, Appendix, plan notes, or plan details.

21. MAIL/NEWSPAPER BOXES

The CONTRACTOR shall remove mailboxes that may conflict with the new construction and replace to their original location in accordance with requirements of the U.S. Post Office. Any mailbox or post not indicated on the plans for removal or replacement that is damaged by the CONTRACTOR's operations shall be replaced in kind by the CONTRACTOR at no additional charge to the OWNER. If temporary street closures or construction activities occur which prohibit delivery of mail by the postal department, then alternate provisions for mail delivery shall be provided by the CONTRACTOR and approved by the OWNER, also at no additional charge to the OWNER.

22. DIGITAL VIDEO RECORDINGS

Prior to the start of construction, the entire right-of-way along the east side of Main Street shall be recorded. Limits along the project include a minimum of 15 feet past right-of-way limits along the east side of Main Street from the point of beginning of sidewalk to the point of ending. The digital video recording shall extend 25 feet past the start and end limits of the project.

Appendix A:

Geotechnical Investigation Report

CONSULTING
GROUP

July 1, 2015

Mr. Jacob Rushlow
Project Manager
OHM Advisors
34000 Plymouth Road
Livonia, Michigan 48150

RE: Letter of Geotechnical Investigation
Main Street Sidewalk Project
Northfield Township, Michigan
G2 Project No. 153128

Dear Mr. Rushlow:

In accordance with your request, we have completed the geotechnical investigation for the proposed sidewalk to be constructed on Main Street in Northfield Township, Michigan. We understand the proposed project includes the construction of two non-contiguous sections of pavement extending northward from an existing sidewalk for approximately 800 linear feet on the east side of Main Street. The proposed sidewalk will generally support pedestrian traffic.

The purpose of our investigation is to determine and evaluate the subsurface conditions along the proposed sidewalk alignment and to develop recommendations for the support of the proposed sidewalk and to recommend a pavement design cross section.

FIELD OPERATIONS

G2 Consulting Group, LLC (G2) in conjunction with OHM Advisors, selected the number, depth, and location of the hand augered soil borings. Soil boring locations were determined in the field by a G2 representative by use of GPS assisted mobile technology. The approximate soil boring locations are shown on the Soil Boring Location Plan, Plate No. 1 in the appendix. Ground surface elevations at the soil boring locations were approximated from information accessible within Google Earth Pro.

Soil borings were excavated by use of a 3-inch inside diameter hand auger. Within each soil boring, soil samples were taken at regular 2 foot intervals or where a transition in the subsurface soil conditions were noted. The soil samples were placed in sealed containers and brought to our laboratory for classification and testing. A Dynamic Cone Penetrometer (DCP) test was performed within each soil boring at depths of 2 and 4 feet below existing grades to evaluate the consistency of the subsurface soil. DCP testing involved driving a 1-1/2 inch diameter cone with a 45° convex angle into the ground using a 15-pound weight dropped 20 inches after the cone has been seated into the bottom of the soil boring. The DCP is driven in successive 1-3/4 inch increments. The blow counts for each 1-3/4 inch increment are presented on the individual hand-auger soil boring logs.

During the excavation operations, a G2 representative maintained logs of the encountered subsurface soil conditions, including changes in stratigraphy and observed groundwater levels. The final soil boring logs are based on the field logs and laboratory classification and testing. After completion of the excavation operations, soil borings were backfilled with excavated soils.

LABORATORY TESTING

Representative soil samples were subjected to laboratory testing to determine soil parameters pertinent to pavement design and site preparation. An experienced geotechnical engineer classified the soil samples in general accordance with the Unified Soil Classification System (USCS).

Laboratory testing included natural moisture content and unconfined compressive strength determinations. Unconfined compressive strengths were determined by use of a hand penetrometer or a hand-held Torvane shear device. The hand penetrometer estimates the unconfined compressive strength to a maximum of 4-1/2 tons per square foot (tsf) by measuring the resistance of the soil sample to the penetration of a calibrated spring loaded cylinder. The hand held Torvane shear device estimates the shear strength of a cohesive soil to a maximum of 1 tsf by measuring the resistance of the soil sample to the applied torque of a vane seated in the soil sample. The shear strength determined by the Torvane shear device is multiplied by a factor of two to approximate the unconfined compressive strength and is presented on the soil boring log as an equivalent unconfined compressive strength.

The results of the moisture content and unconfined compressive strength determinations are indicated on the soil boring logs, Figure Nos. 1 through 4, at the depths samples were obtained. We will hold the soil samples for 60 days from the date of this report after which they will be discarded. If you would like the samples, please let us know.

SOIL AND GROUNDWATER CONDITIONS

Silty sand topsoil is present at the ground surface of the soil boring locations ranging in thickness from 12 to 16 inches. Native silty sand is present beneath the topsoil within the borings extending to depths ranging from approximately 2 to 3-1/2 feet below existing grades. Silty clay underlies the silty sand within soil borings HA-01 and HA-02 extending to the explored depths. Sandy clay is present beneath the silty sand within soil boring HA-04 extending to a depth of 3-1/2 feet. Sand is present beneath the silty sand within soil boring HA-03 and the sandy clay within HA-04 extending to the explored depth of 5 feet.

In general, the native granular soils are loose to medium compact with DCP blow counts ranging from 6 to 28 blows per 1-3/4 inch, however, are compact within HA-04 extending from 3-1/2 feet to 5 feet below existing grade with a DCP blow count of 34 blows per 1-3/4 inch. The native cohesive soils are medium to stiff in consistency with natural moisture contents ranging from 15 to 26 percent and unconfined compressive strengths ranging from 1,200 to 2,500 pounds per square foot.

Groundwater observations were made during and upon completion of excavation operations. Groundwater was observed at depths ranging from 3 feet to 3 feet 10 inches below existing grades during and upon completion of drilling operations. It should be noted that groundwater observations made during excavation operations in predominantly cohesive soils are not necessarily indicative of the static ground water levels. This is due to the low permeability of such soils and the tendency of augering operations to seal off the natural paths of groundwater flow. Additionally, fluctuations in perched and long term groundwater levels should be anticipated due to seasonal variations and following period of prolonged precipitation.

SITE CONDITIONS

The proposed pathway alignment extends northward from the terminus of the existing pathway extending northward approximately 800 linear feet. Several ADA compliant ramps will be constructed on the west and east limits of the proposed pathway. A street crossing is proposed extending from Sta. 8+00 to 8+50. An existing swale and underground utilities are present immediately to the east of the proposed alignment.

An existing topographical map was not available at the time this report was written; however, based on information accessible within Google Earth Pro, site grades appear to be within 1 foot of EL 907.5 feet along the proposed pathway alignment.

The proposed pathway alignment is bounded by Main Street to the west and residential properties to the east. Several commercial properties are present near the southern leg of the alignment and Whitmore Lake Public Schools are present near the northern leg of the alignment.

PAVEMENT RECOMMENDATIONS

General

According to the Northfield Township Code of Ordinances, Sec. 14-119.(c), sidewalks shall be concrete, four inches thick, with a six inch thickness under driveways. Based on our observations and testing of the subgrade soils within the proposed pathway alignment, the required minimum pavement cross section required by Northfield Township appears to provide adequate support for the anticipated pedestrian traffic loading. We anticipate that little site work will be done to adjust grades for the proposed pathway alignment; however, due to the presence of topsoil extending to depths of up to 16 inches, we anticipate that some grade cuts and subsequent backfilling excavations will be required.

Site Preparation

At the start of earthwork operations, the existing topsoil, vegetation, and root masses should be removed in their entirety within the proposed alignment. The exposed subgrade, anticipated to consist of silty sand throughout the alignment, should be thoroughly evaluated for stability prior to the placement of engineered fill by proof compaction with a vibratory roller. The roller should make 10 passes in each direction. Unsuitable areas exhibiting excessive instability such as rutting under construction traffic should be removed by undercutting or improved with additional compaction.

Any engineered fill placed should be an approved, environmentally clean material. We recommend that any engineered fill used for the development of the pavement subgrade be comprised of MDOT Class II sand and be placed in loose lifts not to exceed 6 inches in loose thickness. The engineered fill should be compacted to achieve a density of 95 percent of the maximum dry density as determined in the field by use of the Michigan 1-point cone or by the Modified Proctor Compaction Test (ASTM D1557). All engineered fill should be placed and compacted at the approximate optimum moisture content. Frozen materials should not be used as fill, nor should fill be placed on a frozen subgrade.

Pavement Design

We understand the proposed sidewalk will be subject to pedestrian traffic. Additionally, we anticipate that the proposed sidewalk will be subject to passenger vehicle loading in areas where the sidewalk alignment crosses existing residential driveways. Per the Northfield Township Code of Ordinances, we anticipate that the proposed pavement design cross section should provide sufficient support for the anticipate traffic conditions. The following table provides the requirements for pavement design set forth by Northfield Township:

	Minimum Cross Section Thickness (inches)	
Material	Pedestrian Walks	Pedestrian Walks Under Driveways
MDOT P1 Portland Cement Concrete	4	6
MDOT Class II Sand	4	4

Pavement Drainage and Maintenance

The pavement and subbase should be properly sloped to promote effective surface and subsurface drainage as well as prevent surface water from ponding. We also recommend pavement subbase materials consist of non-frost susceptible aggregates. Regular timely maintenance should be performed on the pavement to reduce the potential for deterioration associated with moisture infiltration through surface cracks and pavement joints. The owner should be prepared to seal the cracks with a hot-applied elastic crack-filler as soon as reasonably possible after cracking developed and as often as necessary to block the transmission of water to the subgrade soils. We recommend that crack sealing be performed on a yearly basis for pavements that are in good and fair condition to extend the serviceable life of the pavement.

GENERAL COMMENTS

If changes occur in the design, location, or concept of the project, conclusions and recommendations contained in this report are not valid unless G2 Consulting Group, LLC reviews the changes. G2 Consulting Group, LLC will then confirm any assumptions regarding the project scope presented herein or make changes in writing.

The scope of the present investigation was limited to evaluation of subsurface conditions for the proposed pedestrian sidewalk and other related aspects of the development. No chemical or environmental testing or analyses were included in the scope of this investigation.

We base the analyses and recommendations submitted in this report upon the data from the soil borings performed at the approximate locations shown on the Soil Boring Location Plan, Plate No. 1. This report does not reflect variations that may occur between the actual soil boring locations and the sidewalk alignment. The nature and extent of any such variations may not become clear until the time of construction. We recommend G2 Consulting Group, LLC observe all geotechnical related work, including subgrade preparation and engineered fill placement.

We appreciate the opportunity to be of service to you on this project and look forward to discussing the results presented. In the meantime, if you have any questions regarding this report or any other matter pertaining to the project, please call us.

Respectfully,

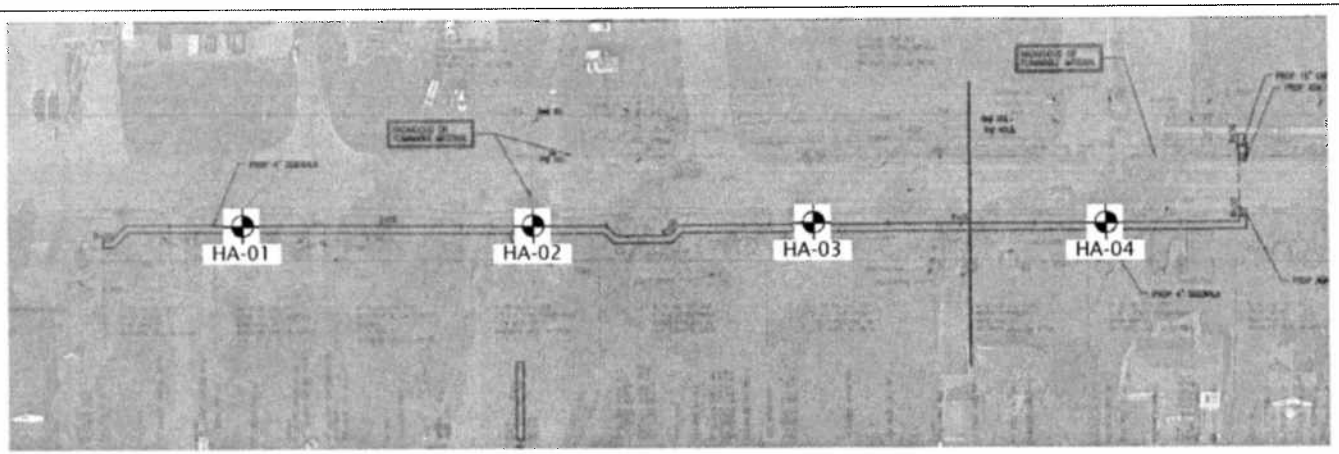
G2 Consulting Group, LLC

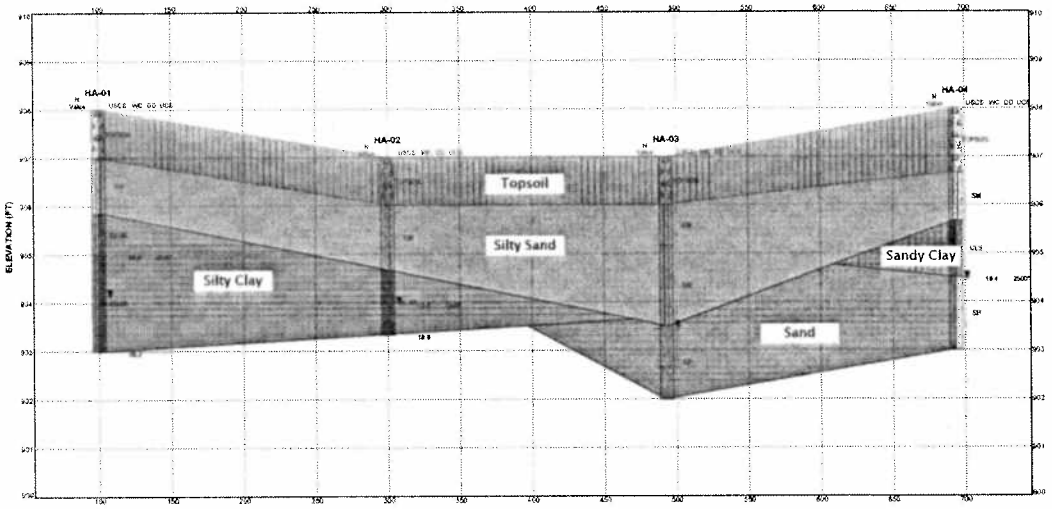
Michael G. Dagher, E.I.T.
Staff Engineer

Jason B. Stoops, P.E.
Office Manager / Project Manager

MGS/JBS/cjh

Encl:
- Soil Boring Location Plan — Plate No. 1
- Soil Boring Logs — Figure Nos. 1 through 4
- General Notes Terminology — Figure No. 5





Legend

Hand Augers Excavated by G2 Consulting Group, LLC on June 24th, 2015.

Soil Boring Location Plan		
Main Street Sidewalks Main Street Northfield Township, Michigan		
G2 CONSULTING GROUP	Project No. 153128	
	Drawn by: MGD	
	Date: 6/18/15	Plate No. 1
	Scale: NTS	

Project Name: Main Street Sidewalks

Project Location: Main Street
Northfield Township, Michigan

G2 Project No. 153128

Latitude: N/A Longitude: N/A

Soil Boring No. HA-01

G2 CONSULTING GROUP

SUBSURFACE PROFILE				SOIL SAMPLE DATA					
ELEV. (ft)	PRO-FILE	GROUND SURFACE ELEVATION: 908.0 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
		Topsoil: Dark Grayish Brown Silty Sand with trace gravel (12 inches) 1.0							
		Loose Grayish Brown Silty Sand with trace gravel 2.2		BS-01					
		Stiff Grayish Brown Silty Clay with trace sand and gravel 3.0		BS-02			14.9		2000*
903.0		Medium Brown Silty Clay with trace sand and gravel 5.0	5	BS-03			26.2		1200**
898.0		End of Boring @ 5 ft	10						

Total Depth: 5 ft
Drilling Date: June 24, 2015
Inspector: F. Buniewicz
Contractor: G2 Consulting Group, LLC
Driller: G2 Consulting Group, LLC

Drilling Method:
3-inch inside diameter hand auger

Water Level Observation:
3-3/4 feet during and upon completion of excavation operations

Notes:
* Calibrated Hand Penetrometer
** Torvane

Excavation Backfilling Procedure:
Borehole backfilled with excavated soil

Figure No. 1

SOIL / PAVEMENT BORING 153128.GPJ 20140820 G2 CONSULTING DATA TEMPLATE.GDT 7/1/15

Project Name: Main Street Sidewalks

Project Location: Main Street
Northfield Township, Michigan

G2 Project No. 153128

Latitude: N/A Longitude: N/A

Soil Boring No. HA-02

CONSULTING GROUP

SUBSURFACE PROFILE

SOIL SAMPLE DATA

ELEV. (ft)	PRO-FILE	GROUND SURFACE ELEVATION: 907.0 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
		Topsoil: Dark Grayish Brown Silty Sand with trace gravel (12 inches)							
		1.0							
		Loose Grayish Brown Silty Sand with trace gravel		BS-01					
		2.3							
		Stiff Grayish Brown Silty Clay with trace sand gravel		BS-02			15.8		2000*
				BS-03			18.8		
		3.7							
		End of Boring @ 3.7 ft							
902.0			5						
897.0			10						

Total Depth: 3.7 ft
Drilling Date: June 24, 2015
Inspector: F. Buniewicz
Contractor: G2 Consulting Group, LLC
Driller: G2 Consulting Group, LLC

Drilling Method:
3-inch inside diameter hand auger

Water Level Observation:
3-2/3 feet during and upon completion of excavation operations

Notes:
* Calibrated Hand Penetrometer

Excavation Backfilling Procedure:
Borehole backfilled with excavated soil

Figure No. 2

SOIL / PAVEMENT BORING 153128.GPJ 20140820 G2 CONSULTING DATA TEMPLATE.GDT 7/1/15

Project Name: Main Street Sidewalks

Project Location: Main Street
Northfield Township, Michigan

G2 Project No. 153128

Latitude: N/A Longitude: N/A

Soil Boring No. HA-03

G2 CONSULTING GROUP

SUBSURFACE PROFILE				SOIL SAMPLE DATA					
ELEV. (ft)	PRO-FILE	GROUND SURFACE ELEVATION: 907.0 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
		Topsoil: Dark Grayish Brown Silty Sand with trace gravel (12 inches) 1.0							
		Grayish Brown Silty Sand with trace gravel and clay 1.8		BS-01					
		Loose Brown Silty Sand with trace gravel 3.5		BS-02					
902.0		Medium Compact Brown Sand with trace silt and gravel 5.0	5	BS-03					
		End of Boring @ 5 ft							
897.0			10						

Total Depth: 5 ft
Drilling Date: June 24, 2015
Inspector: F. Buniewicz
Contractor: G2 Consulting Group, LLC
Driller: G2 Consulting Group, LLC

Water Level Observation:
3-1/2 feet during and upon completion of excavation operations

Excavation Backfilling Procedure:
Borehole backfilled with excavated soil

Drilling Method:
3-inch inside diameter hand auger

Figure No. 3

SOIL / PAVEMENT BORING 153128.GPJ 20140820 G2 CONSULTING DATA TEMPLATE.GDT 7/1/15

Project Name: Main Street Sidewalks

Project Location: Main Street
Northfield Township, Michigan

G2 Project No. 153128

Latitude: N/A Longitude: N/A

Soil Boring No. HA-04

G2 CONSULTING GROUP

SUBSURFACE PROFILE				SOIL SAMPLE DATA					
ELEV. (ft)	PRO-FILE	GROUND SURFACE ELEVATION: 908.0 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
		Topsoil: Dark Grayish Brown Silty Sand with trace gravel (16 inches) 1.3							
		Loose Brown Silty Sand with trace gravel 2.3		BS-01					
		Stiff Brown Sandy Clay with trace gravel 3.5		BS-02			16.4		2500*
903.0		Compact Brown Sand with trace silt and gravel 5.0	5	BS-03					
898.0		End of Boring @ 5 ft	10						

Total Depth: 5 ft
Drilling Date: June 24, 2015
Inspector: F. Buniewicz
Contractor: G2 Consulting Group, LLC
Driller: G2 Consulting Group, LLC

Drilling Method:
3-inch inside diameter hand auger

Water Level Observation:
3-1/2 feet during and upon completion of excavation operations

Notes:
* Calibrated Hand Penetrometer

Excavation Backfilling Procedure:
Borehole backfilled with excavated soil

Figure No. 4

SOIL / PAVEMENT BORING 153128.GPJ 20140820 G2 CONSULTING DATA TEMPLATE.GDT 7/1/15

CONSULTING GROUP

GENERAL NOTES TERMINOLOGY

Unless otherwise noted, all terms herein refer to the Standard Definitions presented in ASTM 653.

PARTICLE SIZE

Boulders		- greater than 12 inches
Cobbles		- 3 inches to 12 inches
Gravel	- Coarse	- 3/4 inches to 3 inches
	- Fine	- No. 4 to 3/4 inches
Sand	- Coarse	- No. 10 to No. 4
	- Medium	- No. 40 to No. 10
	- Fine	- No. 200 to No. 40
Silt		- 0.005mm to 0.074mm
Clay		- Less than 0.005mm

CLASSIFICATION

The major soil constituent is the principal noun, i.e. clay, silt, sand, gravel. The second major soil constituent and other minor constituents are reported as follows:

Second Major Constituent (percent by weight)	Minor Constituent (percent by weight)
Trace - 1 to 12%	Trace - 1 to 12%
Adjective - 12 to 35%	Little - 12 to 23%
And - over 35%	Some - 23 to 33%

COHESIVE SOILS

If clay content is sufficient so that clay dominates soil properties, clay becomes the principal noun with the other major soil constituent as modifier, i.e. sandy clay. Other minor soil constituents may be included in accordance with the classification breakdown for cohesionless soils, i.e. silty clay, trace sand, little gravel.

Consistency	Unconfined Compressive Strength (psf)	Approximate Range of (N)
Very Soft	Below 500	0 - 2
Soft	500 - 1,000	3 - 4
Medium	1,000 - 2,000	5 - 8
Stiff	2,000 - 4,000	9 - 15
Very Stiff	4,000 - 8,000	16 - 30
Hard	8,000 - 16,000	31 - 50
Very Hard	Over 16,000	Over 50

Consistency of cohesive soils is based upon an evaluation of the observed resistance to deformation under load and not upon the Standard Penetration Resistance (N).

COHESIONLESS SOILS

Density Classification	Relative Density %	Approximate Range of (N)
Very Loose	0 - 15	0 - 4
Loose	16 - 35	5 - 10
Medium Compact	36 - 65	11 - 30
Compact	66 - 85	31 - 50
Very Compact	86 - 100	Over 50

Relative Density of cohesionless soils is based upon the evaluation of the Standard Penetration Resistance (N), modified as required for depth effects, sampling effects, etc.

SAMPLE DESIGNATIONS

AS - Auger Sample - Cuttings directly from auger flight
BS - Bottle or Bag Samples
S - Split Spoon Sample - ASTM D 1586
LS - Liner Sample with liner insert 3 inches in length
ST - Shelby Tube sample - 3 inch diameter unless otherwise noted
PS - Piston Sample - 3 inch diameter unless otherwise noted
RC - Rock Core - NX core unless otherwise noted

STANDARD PENETRATION TEST (ASTM D 1586) - A 2.0 inch outside-diameter, 1-3/8 inch inside-diameter split barrel sampler is driven into undisturbed soil by means of a 140-pound weight falling freely through a vertical distance of 30 inches. The sampler is normally driven three successive 6-inch increments. The total number of blows required for the final 12 inches of penetration is the Standard Penetration Resistance (N).

Appendix B:

Required CDBG Contract Documents

Required Bid and Contract Documents
Washtenaw County Community Development Block Grant (CDBG) Program
Public Infrastructure and Facilities Improvement Projects

This is a Federally funded project. The contractor and subcontractors must comply with HUD procurement provisions in CFR 24 Part 85.36, Equal Employment Opportunity requirements, the Copeland "Anti-Kickback" Act, the Davis-Bacon Act, Contract Work Hours and Safety Standards Act, Section 3 of the Housing and Urban Development Act and other requirements as set forth in the bid documents. Minority and Women Owned Business Enterprises and Section 3 Business Concerns seeking bid opportunities under this project are encouraged to respond.

Enclosed is a set of documents related to compliance with Federal and local requirements concerning public infrastructure and facilities improvement projects under Washtenaw County's Community Development Block Grant (CDBG) program:

1. Federal Contract Provisions

2. Federal Labor Standards Provisions

3. Equal Opportunity
    a. Equal Opportunity Clause
    b. Standard Federal Equal Employment Opportunity Construction Contract Specifications
    c. Notice of Requirement for Affirmative Action to Ensure Equal Employment Opportunity

4. Section 3
    a. Section 3 Clause
    b. Washtenaw County Section 3 Contractor List
    c. Section 3 Definitions
    d. Washtenaw County Section 3 Fact Sheet, Business Certification & Reporting Instructions

5. Required Contractor Documents
    a. Section 3 Plan Information Sheet
    b. Sub-Contractor Information Sheet
    c. Project Wage Rate Sheet
    d. Equal Employment Opportunity Poster
    e. Employee Rights Under the Davis-Bacon Act Poster
    f. Certified Payroll
    g. Payroll Deduction Authorization for "Other Deductions" on Certified Payroll
    h. Waiver of Lien
    i. Full Unconditional Waiver
    j. Sworn Statement
    k. Section 3 Summary Report

6. Project Wage Decision

Federal Contract Provisions

Federal Contract Provisions

1. Contracts other than small purchases shall contain administrative, contractual or legal remedies in instances where contractors violate or breach contract terms, and provide for such sanctions and penalties as may be appropriate.

2. All contracts in excess of $10,000 shall contain suitable provision for termination for cause and for convenience by the grantee, including the manner by which it will be effected and the basis for settlement.

3. All contracts awarded in excess of $10,000 by grantees and their contractors or subgrantees shall contain a provision requiring compliance with Executive Order 11246, entitled "Equal Employment Opportunity," as amended by Executive Order 11375, and as supplemented in Department of Labor regulations (41 CFR Part 60).

4. All contracts and subgrants for construction or repair shall include a provision for compliance with the Copeland "Anti-Kickback" Act (18 USC 874) as supplemented in Department of Labor regulations (29 CFR, Part 3).

5. All construction contracts in excess of $2,000 must include a provision for compliance with the Davis-Bacon Act (40 USC 276a to a-7) as supplemented by Department of Labor regulations (29 CFR, Part 5).

6. Where applicable, all contracts awarded by grantees and subgrantees in excess of $2,000 for construction contracts and in excess of $2,500 for other contracts which involve the employment of mechanics or laborers shall include a provision for compliance with Section 103 and 107 of the Contract Work Hours and Safety Standards Act (40 USC 327-330) as supplemented by the Department of Labor regulations (29 CFR, Part 5).

7. The contract shall include notice of requirements and regulations pertaining to reporting and patent rights respect to any discovery or invention which arises or is developed in the course of or under such contract, and of grantor agency requirements and regulations pertaining to copyrights and rights in data.

8. All negotiated contracts awarded by grantees shall include a provision to the effect the grantee, the Comptroller General of the United States, or any of their duly authorized representatives, shall have access to any books, documents, papers, and records of the contractor which are directly pertinent to that specific contract, for the purpose of making audit, examination, excerpts, and transcriptions.

9. Grantees shall require contractors to maintain all required records for three years after grantees make final payments and all other pending matters are closed.

10. Contracts, subcontracts, and subgrants of amounts in excess of $100,000 shall contain a provision which requires compliance with all applicable standards, orders, or requirements issued under Section 306 of the Clean Air Act (42 USC 1857(h)), Section 508 of the Clean Water Act (33 USC 1368), Executive Order 11738, and Environmental Protection Agency regulations (40 CFR, Part 15), which prohibit the use of non-exempt Federal contracts, grants, or loans of facilities included on the EPA List of Violating Facilities. The provision shall require reporting of violations to the grant agency and to the USEPA Assistance Administrator for Enforcement (EN-329).

11. Contracts shall recognize mandatory standards and policies relating to energy efficiency which are contained in the State energy conservation plan issued in compliance with the Energy Policy and Conservation Act (P.L. 94-163).

Federal Labor Standards Provisions

Applicability

The Project or Program to which the construction work covered by this contract pertains is being assisted by the United States of America and the following Federal Labor Standards Provisions are included in this Contract pursuant to the provisions applicable to such Federal assistance.

A. 1. (i) Minimum Wages. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR Part 3), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under Section l(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of 29 CFR 5.5(a)(1)(iv); also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs, which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period.

Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under 29 CFR 5.5(a)(1)(ii) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible, place where it can be easily seen by the workers.

(ii) (a) Any class of laborers or mechanics which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. HUD shall approve an additional classification and wage rate and fringe benefits therefor only when the following criteria have been met:

(1) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(2) The classification is utilized in the area by the construction industry; and

(3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(b) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and HUD or its designee agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by HUD or its designee to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, D.C. 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary. (Approved by the Office of Management and Budget under OMB control number 1215-0140.)

(c) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and HUD or its designee do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), HUD or its designee shall refer the questions, including the views of all interested parties and the recommendation of HUD or its designee, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary. (Approved by the Office of Management and Budget under OMB Control Number 1215-0140.)

(d) The wage rate (including fringe benefits where appropriate) determined pursuant to subparagraphs (1)(ii)(b) or (c) of this paragraph, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

(iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(iv) If the contractor does not make payments to a trustee or other third person, the contractor may consider as part

of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program. (Approved by the Office of Management and Budget under OMB Control Number 1215-0140.)

2. Withholding. HUD or its designee shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the contractor under this contract or any other Federal contract with the same prime contractor, or any other Federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract In the event of failure to pay any laborer or mechanic, including any apprentice, trainee or helper, employed or working on the site of the work, all or part of the wages required by the contract, HUD or its designee may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased. HUD or its designee may, after written notice to the contractor, disburse such amounts withheld for and on account of the contractor or subcontractor to the respective employees to whom they are due. The Comptroller General shall make such disbursements in the case of direct Davis-Bacon Act contracts.

3. **(i) Payrolls and basic records.** Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in Section l(b)(2)(B) of the Davis-bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5 (a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in Section l(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs. (Approved by the Office of Management and Budget under OMB Control Numbers 1215-0140 and 1215-0017.)

(ii) (a) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to HUD or its designee if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit the payrolls to the applicant sponsor, or owner, as the case may be, for transmission to HUD or its designee. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i) except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at *http://www.dol.gov/esa/whd/forms/wh347instr.htm* or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to HUD or its designee if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit the payrolls to the applicant sponsor, or owner, as the case may be, for transmission to HUD or its designee, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this subparagraph for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to HUD or its designee. (Approved by the Office of Management and Budget under OMB Control Number 1215-0149.)

(b) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(1) That the payroll for the payroll period contains the information required to be provided under 29 CFR 5.5 (a)(3)(ii), the appropriate information is being maintained under 29 CFR 5.5(a)(3)(i), and that such information is correct and complete;

(2) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in 29 CFR Part 3;

(3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(c) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by subparagraph A.3.(ii)(b).

(d) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under Section 1001 of Title 18 and Section 231 of Title 31 of the United States Code.

(iii) The contractor or subcontractor shall make the records required under subparagraph A.3.(i) available for inspection, copying, or transcription by authorized representatives of HUD or its designee or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, HUD or its designee may, after written notice to the contractor, sponsor, applicant or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

4. Apprentices and Trainees.

(i) Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(ii) Trainees. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant ',to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by

the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(iii) Equal employment opportunity. The utilization of apprentices, trainees and journeymen under 29 CFR Part 5 shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR Part 3 which are incorporated by reference in this contract

6. Subcontracts. The contractor or subcontractor will insert in any subcontracts the clauses contained in subparagraphs 1 through 11 in this paragraph A and such other clauses as HUD or its designee may by appropriate instructions require, and a copy of the applicable prevailing wage decision, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in this paragraph.

7. Contract termination; debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act Requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR Parts 1, 3, and 5 are herein incorporated by reference in this contract

9. Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR Parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and HUD or its designee, the U.S. Department of Labor, or the employees or their representatives.

10. (i) Certification of Eligibility. By entering into this contract the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of Section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1) or to be awarded HUD contracts or participate in HUD programs pursuant to 24 CFR Part 24.

(ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of Section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1) or to be awarded HUD contracts or participate in HUD programs pursuant to 24 CFR Part 24.

(iii) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001. Additionally, U.S. Criminal Code, Section 1 01 0, Title 18, U.S.C., "Federal Housing Administration transactions", provides in part: "Whoever, for the purpose of . . . influencing in any way the action of such Administration..... makes, utters or publishes any statement knowing the same to be false..... shall be fined not more than $5,000 or imprisoned not more than two years, or both."

11. Complaints, Proceedings, or Testimony by Employees. No laborer or mechanic to whom the wage, salary, or other labor standards provisions of this Contract are applicable shall be discharged or in any other manner discriminated against by the Contractor or any subcontractor because such employee has filed any complaint or instituted or caused to be instituted any proceeding or has testified or is about to testify in any proceeding under or relating to the labor standards applicable under this Contract to his employer.

B. Contract Work Hours and Safety Standards Act. The provisions of this paragraph B are applicable where the amount of the prime contract exceeds $100,000. As used in this paragraph, the terms "laborers" and "mechanics" include watchmen and guards.

(1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which the individual is employed on such work to work in excess of 40 hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of 40 hours in such workweek.

(2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in subparagraph (1) of this paragraph, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in subparagraph (1) of this paragraph, in the sum of $10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of 40 hours without payment of the overtime wages required by the clause set forth in sub paragraph (1) of this paragraph.

(3) Withholding for unpaid wages and liquidated damages. HUD or its designee shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contract, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act which is held by the same prime contractor such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in subparagraph (2) of this paragraph.

(4) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in subparagraph (1) through (4) of this paragraph and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in subparagraphs (1) through (4) of this paragraph.

C. Health and Safety. The provisions of this paragraph C are applicable where the amount of the prime contract exceeds $100,000.

(1) No laborer or mechanic shall be required to work in surroundings or under working conditions which are unsanitary, hazardous, or dangerous to his health and safety as determined under construction safety and health standards promulgated by the Secretary of Labor by regulation.

(2) The Contractor shall comply with all regulations issued by the Secretary of Labor pursuant to Title 29 Part 1926 and failure to comply may result in imposition of sanctions pursuant to the Contract Work Hours and Safety Standards Act, (Public Law 91-54, 83 Stat 96). 40 USC 3701 et seq.

(3) The contractor shall include the provisions of this paragraph in every subcontract so that such provisions will be binding on each subcontractor. The contractor shall take such action with respect to any subcontractor as the Secretary of Housing and Urban Development or the Secretary of Labor shall direct as a means of enforcing such provisions.

Equal Opportunity

EQUAL OPPORTUNITY CLAUSE
Executive Order 11246, as amended: 41 CFR Part 60-1.4(b)

During the performance of this contract, the contractor agrees as follows:

(1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

(2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, or national origin.

(3) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(4) The contrator will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

(5) The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

(6) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

(7) The contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance:*Provided, however,* That in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency the contractor may request the United States to enter into such litigation to protect the interests of the United States.

The applicant further agrees that it will be bound by the above equal opportunity clause with respect to its own employment practices when it participates in federally assisted construction work: *Provided,* That if the applicant so participating is a State or local government, the above equal opportunity clause is not applicable to any agency, instrumentality or subdivision of such government which does not participate in work on or under the contract.

The applicant agrees that it will assist and cooperate actively with the administering agency and the Secretary of Labor in obtaining the compliance of contractors and subcontractors with the equal opportunity clause and the rules, regulations, and relevant orders of the Secretary of Labor, that it will furnish the administering agency and the Secretary of Labor such information as they may require for the supervision of such compliance, and that it will otherwise assist the administering agency in the discharge of the agency's primary responsibility for securing compliance.

The applicant further agrees that it will refrain from entering into any contract or contract modification subject to Executive Order 11246 of September 24, 1965, with a contractor debarred from, or who has not demonstrated eligibility for, Government contracts and federally assisted construction contracts pursuant to the Executive order and will carry out such sanctions and penalties for violation of the equal opportunity clause as may be imposed upon contractors and subcontractors by the administering agency or the Secretary of Labor pursuant to Part II, Subpart D of the Executive order. In addition, the applicant agrees that if it fails or refuses to comply with these undertakings, the administering agency may take any or all of the following actions: Cancel, terminate, or suspend in whole or in part this grant (contract, loan, insurance, guarantee); refrain from extending any further assistance to the applicant under the program with respect to which the failure or refund occurred until satisfactory assurance of future compliance has been received from such applicant; and refer the case to the Department of Justice for appropriate legal proceedings.

STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY CONSTRUCTION CONTRACT SPECIFICATIONS
(Executive Order 11246: 41 CFR Part 60.4.3)

1. As used in these specifications:

a. "Covered area" means the geographical area described in the solicitation from which this contract resulted;

b. "Director" means Director, Office of Federal Contract Compliance Programs, United States Department of Labor, or any person to whom the Director delegates authority;

c. "Employer identification number" means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941.

d. "Minority" includes:

(i) Black (all persons having origins in any of the Black African racial groups not of Hispanic origin);

(ii) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish Culture or origin, regardless of race);

(iii) Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands); and

(iv) American Indian or Alaskan Native (all persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification).

2. Whenever the Contractor, or any Subcontractor at any tier, subcontracts a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of $10,000 the provisions of these specifications and the Notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this contract resulted.

3. If the Contractor is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with that Plan for those trades which have unions participating in the Plan. Contractors must be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each Contractor or Subcontractor participating in an approved Plan is individually required to comply with its obligations under the EEO clause, and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other Contractors or Subcontractors toward a goal in an approved Plan does not excuse any covered Contractor's or Subcontractor's failure to take good faith efforts to achieve the Plan goals and timetables.

4. The Contractor shall implement the specific affirmative action standards provided in paragraphs 7 a through p of these specifications. The goals set forth in the solicitation from which this contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the Contractor should reasonably be able to achieve in each construction trade in which it has

employees in the covered area. Covered Construction contractors performing construction work in geographical areas where they do not have a Federal or federally assisted constuction contract shall apply the minority and female goals established for the geographical area where the work is being performed. Goals are published periodically in the FEDERAL REGISTER in notice form, and such notices may be obtained from any Office of Federal Contract Compliance Programs office or from Federal procurement contracting officers. The Contractor is expected to make substantially uniform progress in meeting its goals in each craft during the period specified.

5. Neither the provisions of any collective bargaining agreement, nor the failure by a union with whom the Contractor has a collective bargaining agreement, to refer either minorities or women shall excuse the Contractor's obligations under these specifications, Executive Order 11246, or the regulations promulgated pursuant thereto.

6. In order for the nonworking training hours of apprentices and trainees to be counted in meeting the goals, such apprentices and trainees must be employed by the Contractor during the training period, and the Contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.

7. The Contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its actions. The Contractor shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:

a. Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and in all facilities at which the Contractor's employees are assigned to work. The Contractor, where possible, will assign two or more women to each construction project. The Contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.

b. Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the Contractor or its unions have employment opportunities available, and maintain a record of the organizations' responses.

c. Maintain a current file of the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Contractor by the union or, if referred, not employed by the Contractor, this shall be documented in the file with the reason therefor, along with whatever additional actions the Contractor may have taken.

d. Provide immediate written notification to the Director when the union or unions with which the Contractor has a collective bargaining agreement has not referred to the Contractor a minority person or woman sent by the Contractor, or when the Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.

e. Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the Contractor's employment needs, especially those programs funded or approved by the Department of Labor. The Contractor shall provide notice of these programs to the sources compiled under 7b above.

f. Disseminate the Contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newpaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location where construction work is performed.

g. Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions including specific review of these items with onsite supervisory personnel such as Superintendents, General Foremen, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.

h. Disseminate the Contractor's EEO policy externally by including it in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the Contractor's EEO policy with other Contractors and Subcontractors with whom the Contractor does or anticipates doing business.

i. Direct its recruitment efforts, both oral and written, to minority, female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, the Contractor shall send written notification to organizations such as the above, describing the openings, screening procedures, and tests to be used in the selection process.

j. Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer and vacation employment to minority and female youth both on the site and in other areas of a Contractor's work force.

k. Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR part 60-3.

l. Conduct, at least annually, an inventory and evaluation at least of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.

m. Ensure that seniority practices, job classifications, work assignments and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the Contractor's obligations under these specifications are being carried out.

n. Ensure that all facilities and company activities are nonsegregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.

o. Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.

p. Conduct a review, at least annually, of all supervisors' adherence to and performance under the Contractor's EEO policies and affirmative action obligations.

8. Contractors are encouraged to participate in voluntary associations which assist in fulfilling one or more of their affirmative action obligations (7a through p). The efforts of a contractor association, joint contractor-union, contractor-community, or other similar group of which the contractor is a member and participant, may be asserted as fulfilling any one or more of its obligations under 7a through p of these Specifications provided that the contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the Contractor's minority and female workforce participation, makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the Contractor. The obligation to comply, however, is the Contractor's and failure of such a group to fulfill an obligation shall not be a defense for the Contractor's noncompliance.

9. A single goal for minorities and a separate single goal for women have been established. The Contractor, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, the Contractor may be in violation of the Executive Order if a particular group is employed in a substantially disparate manner (for example, even though the Contractor has achieved its goals for women generally, the Contractor may be in violation of the Executive Order if a specific minority group of women is underutilized).

10. The Contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex, or national origin.

11. The Contractor shall not enter into any Subcontract with any person or firm debarred from Government contracts pursuant to Executive Order 11246.

12. The Contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspension, termination and cancellation of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations, by the Office of Federal Contract Compliance Programs. Any Contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.

13. The Contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of these specifications, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the Contractor fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.

14. The Contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions hereof as may be required by the Government and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status (e.g., mechanic, apprentice trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, contractors shall not be required to maintain separate records.

15. Nothing herein provided shall be construed as a limitation upon the application of other laws which establish different standards of compliance or upon the application of requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).

(b) The notice set forth in 41 CFR 60-4.2 and the specifications set forth in 41 CFR 60-4.3 replace the New Form for Federal Equal Employment Opportunity Bid Conditions for Federal and Federally Assisted Construction published at 41 FR 32482 and commonly known as the Model Federal EEO Bid Conditions, and the New Form shall not be used after the regulations in 41 CFR part 60-4 become effective.

NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION
TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY
Executive Order 11246: 41CFR Part 60-2

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Specifications" set forth herein.

2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

Time-tables	Goals for minority participation for each trade	Goals for female participation in each trade
	8.5%	6.9%

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and nonfederally involved construction.

The Contractor's compliance with the Executive Order and the regulations in 41 CFR part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within 10 working days of award of any construction subcontract in excess of $10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor; employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.

4. As used in this Notice, and in the contract resulting from this solicitation, the "covered area" is (insert description of the geographical areas where the contract is to be performed giving the state, county and city, if any).

Section 3

SECTION 3 CLAUSE
24 CFR Part 135.38

All section 3 covered contracts shall include the following clause (referred to as the section 3 clause):

A. The work to be performed under this contract is subject to the requirements of section 3 of the Housing and Urban Development Act of 1968, as amended, 12 U.S.C. 1701u (section 3). The purpose of section 3 is to ensure that employment and other economic opportunities generated by HUD assistance or HUD-assisted projects covered by section 3, shall, to the greatest extent feasible, be directed to low- and very low-income persons, particularly persons who are recipients of HUD assistance for housing.

B. The parties to this contract agree to comply with HUD's regulations in 24 CFR part 135, which implement section 3. As evidenced by their execution of this contract, the parties to this contract certify that they are under no contractual or other impediment that would prevent them from complying with the part 135 regulations.

C. The contractor agrees to send to each labor organization or representative of workers with which the contractor has a collective bargaining agreement or other understanding, if any, a notice advising the labor organization or workers' representative of the contractor's commitments under this section 3 clause, and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the section 3 preference, shall set forth minimum number and job titles subject to hire, availability of apprenticeship and training positions, the qualifications for each; and the name and location of the person(s) taking applications for each of the positions; and the anticipated date the work shall begin.

D. The contractor agrees to include this section 3 clause in every subcontract subject to compliance with regulations in 24 CFR part 135, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this section 3 clause, upon a finding that the subcontractor is in violation of the regulations in 24 CFR part 135. The contractor will not subcontract with any subcontractor where the contractor has notice or knowledge that the subcontractor has been found in violation of the regulations in 24 CFR part 135.

E. The contractor will certify that any vacant employment positions, including training positions, that are filled (1) after the contractor is selected but before the contract is executed, and (2) with persons other than those to whom the regulations of 24 CFR part 135 require employment opportunities to be directed, were not filled to circumvent the contractor's obligations under 24 CFR part 135.

F. Noncompliance with HUD's regulations in 24 CFR part 135 may result in sanctions, termination of this contract for default, and debarment or suspension from future HUD assisted contracts.

G. With respect to work performed in connection with section 3 covered Indian housing assistance, section 7(b) of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450e) also applies to the work to be performed under this contract. Section 7(b) requires that to the greatest extent feasible (i) preference and opportunities for training and employment shall be given to Indians, and (ii) preference in the award of contracts and subcontracts shall be given to Indian organizations and Indian-owned Economic Enterprises. Parties to this contract that are subject to the provisions of section 3 and section 7(b) agree to comply with section 3 to the maximum extent feasible, but not in derogation of compliance with section 7(b).

Contractor List

Name	Address	City	Zip Code	Contact	Phone	Type
Section 3						
A.H. Construction	5417 Daytona	Ypsilanti	48197	Ali Huwio	734-481-1983	Housing Rehab
Advanced Construction & Firestop LLC	7557 Boettner Rd	Saline	48176	Jim Stachnik	734-255-4005	Housing Rehab
Brothers Services Group L.L.C.	3390 Porter Ave.	Ann Arbor	48103	Ben Sharp	734-277-7991 (cell)	Housing Rehab
Crime Prevention Security, Inc.	2124 Lakeview Dr, Ste 189	Ypsilanti	48198	Samantha Towler	734-480-2777	Security
JST Development, LLC	32530 Prescott	Romulus	48174	Joseph Sayer	734-368-0170	Housing Rehab
LaSant Building. Inc.	7754 Hidden Ridge Lane	Northville	48168	Danielle Bass	248-486-6868	Housing Rehab
PRP Construction Group L.L.C.	517 Washtenaw	Ypsilanti	48197	Phil Panzica	734-678-8025	Housing Rehab
Saladino Construction Company Inc.	3303 N. Territorial Rd.	Ann Arbor	48105	Zina Saladino	734-665-5913	Paving Concrete
Stephen B. St. Clair, Inc	1300 Tefft Ct. Suite #5	Saline	48176	Stephen B. St.Clair	734-944-5253	Housing Rehab

Contractor Email List

Instructions:

1. Click on the combined list of emails under Complete List.
2. Hold the Ctrl key and hit the C key to copy the list to the clipboard.
3. Open up a new email message or run a report and Export using the Microsoft Mail option
4. Click on the To: box
5. Hold the Ctrl key and hit the V key to paste the list into the To: box.
6. Type your message and send it.

Section 3 Contractors

Complete List

phil@prpmanagement.com; UgMug@aol.com; saladinoco@aol.com; jstdevelopment@gmail.com; office@lasantbuilding.com; jim.stachnik@yahoo.com; alihuwio@sbcglobal.net/ email@ahroofplus.com; aaondeck@sbcglobal.net; BenSharp@MSN.com; 8865@comcast.net; cpsskaffa@aol.com

Itemized List

Company Name	Email Address
A.H. Construction	alihuwio@sbcglobal.net/ email@ahroofplus.com
AA On Deck Design & Construction L.L.C.	aaondeck@sbcglobal.net
Advanced Construction & Firestop LLC	jim.stachnik@yahoo.com
Barber Real Estate	8865@comcast.net
Brothers Services Group L.L.C.	BenSharp@MSN.com
Crime Prevention Security, Inc.	cpsskaffa@aol.com
JST Development, LLC	jstdevelopment@gmail.com
LaSant Building. Inc.	office@lasantbuilding.com
PRP Construction Group L.L.C.	phil@prpmanagement.com
Saladino Construction Company Inc.	saladinoco@aol.com
Stephen B. St. Clair, Inc	UgMug@aol.com

SECTION 3 DEFINITIONS

"SECTION 3 RESIDENT" MEANS:

1. A public housing resident who resides in the metropolitan area or non-metropolitan county in which the Section 3 covered assistance is expended and who is considered to be a low-to very low-income person; or

2. An individual who resides in the metropolitan area or non-metropolitan county in which the Section 3 covered assistance is expended and who is considered to be a low-to very low-income person.

2013 LOW-INCOME LIMITS FOR WASHTENAW COUNTY

Family Size: Number in Household	Household Income (less than)
☐ 1 Person	$45,100
☐ 2 Persons	$51,550
☐ 3 Persons	$58,000
☐ 4 Persons	$64,400
☐ 5 Persons	$69,600
☐ 6 Persons	$74,750
☐ 7 Persons	$79,900
☐ 8 Persons	$85,050

"NEW HIRE" MEANS:

A person who is not on the contractor's payroll at the time of selection for the Section 3 award.

SECTION 3 BUSINESS DEFINED

A Section 3 Business concern is a business:

1. That is 51 % or more owned by a Section 3 Washtenaw County resident(s); or

2. Whose permanent, full-time employees include persons, at least 30 % of whom are currently Section 3 residents or within three years of the date of first employment with the business concern were Section 3 Washtenaw County residents; or

3. That provide evidence of a commitment to subcontract in excess of 25 % of the total dollar award of all subcontracts to be awarded to business concerns that meet the qualifications set forth in (1) or (2) above. Must complete three Section 3 covered projects with Washtenaw County and successfully meet the requirements for Section 3 for those three projects in order to apply for Section 3 Business Concern status under this option with Washtenaw County.

• A person seeking the training or employment preference; or a business seeking the preference provided by Section 3 bears the responsibility of providing evidence (if requested) that the person is eligible for that preference.

SECTION 3	FACT SHEET, BUSINESS CERTIFICATION & REPORTING INSTRUCTIONS

A. PURPOSE

The purpose of Section 3 is to ensure that employment and other economic opportunities created by HUD assistance to construction and rehabilitation projects is directed to low-income persons.

B. REQUIRED COMPLIANCE GOALS

1. **Employment** - **30%** of the aggregate number of **new hires** for a covered project will be low income persons (A low income person is defined as having a family income less than 80% of the HUD established median income for Washtenaw County as found in the Section 3 Resident Income Verification Form.).
2. **Contracting** - Award at least **10%** of the total dollar amount for building trades work related to the project and at least **3 %** of all other covered contracts to Section 3 businesses.

C. SECTION 3 STRATEGY OR PLAN REQUIREMENT

Prior to or at the time of the contract signing between owner/developer and the contractor for the work on this project, the contractor is required to develop and complete with owner/developer, a Section 3 strategy or plan with final approval of the Section 3 strategy or plan by the Washtenaw County/City of Ann Arbor Office of Community and Economic Development (OCED). The Section 3 Plan must include, but not be limited to, the following, all per the requirements of Section 3:

1. Section 3 contracting goals for the construction contract and other contracts on the project;
2. Section 3 employment and training goals for the project;
3. Outreach to solicit Washtenaw County Section 3 Business Concerns;
4. Outreach to solicit Section 3 Washtenaw County Residents;
5. Project neighborhood area for the project;
6. Section 3 coordinator.

OCED has a template or model Section 3 Plan/Strategy available that you may use for the development of the Section 3 strategy or plan for the project. OCED also has a list of certified Washtenaw County Section 3 Business Concerns.

D. SECTION 3 BUSINESS CERTIFICATION APPLICATIONS:

Applications for Section 3 Business Certification may be obtained from the ***Washtenaw County OCED, 110 N. Fourth Avenue, Suite 300, Ann Arbor, MI 48073.***

APPLICATION PROCESS:

To be considered for certification as a Section 3 Business Concern, a business must complete the ***Section 3 Clause, submit the appropriate Section 3 Business Certification Forms and provide all required supporting documentation***.

1. **(Category 1) Business Ownership:**
   - When a qualified Section 3 Resident is the primary owner having 51% or more ownership he/she (or, if less than 51%, holds the greatest percentage of ownership) must complete the *Section 3 Business Certification Form (**51% Section 3 Resident Ownership**)* form. This category was created by HUD for business concerns that are primarily owned by a person(s) that meet the HUD definition of being low income.
   - If there are two or more Section 3 Resident owners that together own 51% or more of the business, each additional owner (not having majority ownership) must complete the *Section 3 Resident Income Verification Form (Section 3 Business Certification)*.

2. **(Category 2) Percentage of Employees Criteria:**
   - A business having at least 30% permanent, full time Section 3 Residents on the payroll completes the *Section 3 Business Certification Form (**30% Section 3 Resident Employment**)*. At least 30% of permanent, full time employees must be Section 3 Residents or within three (3) years of the date of first employment with the business were Section 3 Residents.
   - A *Section 3 Resident Income Verification Form (Section 3 Business Certification)* must be completed by each Section 3 Resident employee as evidence that each individual meets the HUD definition of a Section 3 Resident.

E. DOCUMENTATION:

θ The following completed forms are required for certification:

- Section 3 **- 51% or 30%** Business Certification Application;
- Section 3 Clause;
- Register with the Office of Community and Economic Development to become an approved contractor and/or subcontractor;
- Submit Articles of Incorporation with State of Michigan Seal;
- Submit Ownership or Partnership Agreement(s) or if applicable, Notarized Affidavit or Secretary of State Certification to confirm that applicant(s) is or are the major shareholder(s)/owner(s);
- Submit Capacity evaluation: demonstration of business experience, i.e., list at least 10 previous jobs, existing jobs and 3 current references;
- Submit Largest Contract Award verification;
- If 51% Section 3 Resident Ownership; Submit Most Recent IRS Tax Statement (Individual(s) and Corporate or if a Sole Proprietor Submit IRS 1040 with Schedule C to confirm income.
- Submit Identification (i.e. Passport, Drivers License)
- Workers Compensation Certificate

F. CERTIFICATION:

a. The Section 3 Business Certification Letter will be issued to acknowledge that a business has met the criteria established by the HUD Act of 1968, 24 CFR PART 135 - Section 3.

- The business shall be listed in the Section 3 Washtenaw County/City of Ann Arbor OCED Business Directory provided the business also completes a contractor or sub-contractor application (as applicable) to be an approved contractor/sub-contractor with Washtenaw County/City of Ann Arbor OCED. Alternatively, the contractor/sub-contractor could choose to be a Section 3 business concern for only the project.

G. REPORTING RESPONSIBILITIES *(Transmit reports via Email or as hard copies to address below)*

During the life of the project these forms are collected by the **Owner/Developer**, checked for accuracy and completeness and submitted with the Request for Reimbursement to the Washtenaw County/City of Ann Arbor Office of Community and Economic Development (OCED) . If there is no disbursement request within a quarter, submit the report to the Compliance Officer no less than quarterly.

SECTION 3 CLAUSE ACKNOWLEDGEMENT FORM

1. **Owner/Developer** completes Section 3 Clause Acknowledgement Form (Submit once during life of project). The Section 3 Clause is required in every Section 3 covered contract and stipulates Section 3 applicability and requirements.
2. **Covered Contractor/Subcontractor** completes Section 3 Clause Acknowledgement Form (Submit once during life of project). The Section 3 Clause is required in every Section 3 covered contract and stipulates Section 3 applicability and requirements.

PERMANENT EMPLOYEE LISTING

1. **Owner/Developer** provides a complete list of permanent employees, including name and job category.

2. **Covered Contractor/Subcontractor** provides a complete list of permanent employees, including name and job category.

SECTION 3 SUMMARY REPORT FORM (HUD FORM 60002)

1. **Owner/Developer** completes the Section 3 Summary Report Form to account for all construction Contractors and subcontractors and businesses providing other services working on the project.

2. **Covered Contractor/Subcontractor** completes the Section 3 Summary Report Form to report all new hires for the covered project and the construction contracts and subcontracts with Section 3 Business Concerns. Contractor/subcontractor provides **all** *Section 3 Resident New Hires* the *Section 3 Income Verification Form* for completion and signature and proof of residency.

Required Contractor Documents

Section 3 Plan Information Sheet

Complete all items highlighted in Gray

For [Project Name and Address]

Name of General Contractor:

Address:

Primary Contact

Phone number:

Email:

Goals

Contracting:

To demonstrate compliance with Section 3 regulations, it is desirous to award at least 10 percent of the total dollar amount of all Section 3 covered contracts for building trades work.

Dollar amount of the construction contract [this is your total bid amount]:

10% of the total contract is [this is 10% of your total bid amount]:

These goals are affirmed: Initials: (General Contractor)

If we do not feel it is feasible to meet the minimum goals set forth above, we will be prepared to demonstrate why it was not possible. We understand failure to follow our Section 3 Plan could result in the Secretary of Housing and Urban Development ("HUD") finding us non-compliant with the Section 3 regulations.

Employment and Training:

[insert contractor name here] (the contractor) and all subcontractors will follow the requirements outlined in *Housing and Urban Development Act of 1968 Section 3 Plan for Washtenaw County/City of Ann Arbor Office of Community Development* (Dated June 2010) (County/City OCED Section 3 Plan). The contractor must complete certifications acknowledging the Section 3 contracting and employment provisions required by the County/City OCED Plan. Such certifications shall be adequately supported with appropriate documentation as referenced in the form. The required forms are attached as Attachments 1-17 at the end of this document [to be attached with the final version of the Section 3 Plan]. As part of the submittal of the Section 3 Resident Application Form (Attachment 5), each applicant must submit a copy of their PHA/IHA Residential lease less than 3 years from day of employment (if PHA/IHA resident), or most recent individual IRS Tax Statement or any other documentation for proof of household income as requested by OCED. All applicants will be required to submit copies of their identification (i.e. Passport, Drivers License) that includes their current residential address.

Public Agency, Covered Contractors and Covered Subcontractors

To meet the contracting and employment requirements of Section 3, the following minimum steps must be taken by the Public Agency, covered contractor and covered subcontractor:

1. Obtain a list of certified Section 3 business concerns from OCED.
2. Attend all pre-bid and pre-construction conferences to obtain information about the Section 3 program requirements.
3. Solicit at least 3 bids from the OCED list of Section 3 business concerns. If such list has fewer than three (3) qualified businesses, then the contractor/subcontractor must contact the entire list.
4. Provide plans and specifications or information regarding the location of plans to Section 3 business concerns.
5. Attempt to the greatest extent feasible to meet the following project contracting and employment goals:
    - 10% of the total dollar amount of all Section 3 covered contracts for building trades work arising in connection with housing rehabilitation, housing construction, and other public construction will be awarded to qualifying Section 3 business concerns for this project.
    - At least 3% of the total dollar amount of all other Section 3 covered contracts (i.e. architect, appraisal, etc.) will be awarded to qualifying Section 3 business concerns for this project.
    - The goal of employment in Section 3 covered contracts is 30% of the aggregate number of new hires in any fiscal year will be Section 3 residents for this project.

Goals apply to all construction costs of the project, not just the amount of HUD financial assistance.

Records must be maintained on goals reached, and efforts/actions taken to reach goals. If goals are not met, a description of impediments encountered despite actions taken must be included. Reporting of such efforts/actions must be made to the OCED on forms supplied by the OCED.

Contractor's Requirements in Employing Section 3 Participants

Under the OCED Section 3 Program, contractors and subcontractors are required to:
Provide employment opportunities to Section 3 residents/participants in the priority order listed below:

A. Category 1 – Section 3 Resident
    - Residents of the housing development or development for which the contract shall be expended.

B. Category 2 – Section 3 Resident
    - Section 8 residents as well as all other Washtenaw County residents residing in the vicinity of the project who meet the income guidelines for Section 3 preference (refer to Section 3 Income Limits for Ann Arbor Metropolitan Statistical Area).

C. Category 3 – Section 3 Resident
    - Participants in HUD Youth build program being carried out in the project boundary area.

D. Category 4 – Section 3 Resident
    - Section 8 residents as well as all other residents residing in Washtenaw County who meet the income guidelines for Section 3 preference (refer to Section 3 Income Limits for Ann Arbor Metropolitan Statistical Area).

To demonstrate compliance with Section 3 regulations, it is desirous to employ Section 3 residents as 30 percent of the aggregate number of new hires, and to provide training to those new hires. We agree to provide information regarding existing employees and hiring needs as a part of this plan.

A concerted effort will be made to meet the goals in this plan. If the goals are not met, we agree to provide an explanation of challenges in meeting the goals described in this plan, and documentation of our efforts to reach these goals.

Outreach

We are committed to conduct an aggressive outreach campaign to make Section 3 Businesses and Section 3 Residents aware of contracting and employment opportunities in connection with this Section 3 Covered Project. Efforts will include, but not be limited to [Review the following, make changes if you would like or you can go with the following strategies. You are required to do the third bulleted item below – contacting all the approved Section 3 businesses as relevant to the project]:

- Publication of opportunities in the Washtenaw County Press or other local newspapers.
- Publication of opportunities with Michigan Works.
- Inviting Section 3 business concerns that have been certified by the Washtenaw County/City of Ann Arbor Office of Community and Economic Development (OCED)to relevant bidding opportunities.
- Use of signage at the project site and flyers posted in the neighborhood and surrounding areas.
- Notification to the Ann Arbor Housing Commission, Barrier Busters, Washtenaw Housing Alliance, and Washtenaw County Continuum of Care, and other appropriate organizations.
- Notification of potential bidding opportunities, training or employment opportunities to Neighborhood and Non-profits groups servicing low-income persons.
- Communicate opportunities to contractor and trade organizations, employment agencies and career centers.

It is not required to include all of these methods in a Section 3 implementation strategy. However, a robust strategy that makes a good faith effort to meet the objectives stated in this plan is expected. Washtenaw County/City of Ann Arbor Office of Community and Economic Development reserves the right to request documentation of efforts made (e.g. proof of advertisement in local newspapers, flyers, and other modes of communications) in order to meet Section 3 goals at any time.

Section 3 Coordinator

Name: _____

Contact information: _____

This person will serve as the main point of contact for all Section 3 related issues on behalf of general contractor, and subcontractors.

Estimated Workforce Needed for Section 3 Covered Project (Prime/General Contractor) *to be included as Attachment 3 in the final Section 3 Plan*

Name of Company	
Project Name	
Period Covered	
Date Submitted	

Job Category	Total Estimated Positions Needed for Project	Number of Positions Occupied by Permanent Employees	Number of Positions to be Filled with Section 3 Residents

If no new job opportunities will be available during this project, state the reason below:

Reporting

We agree to provide Washtenaw County/City of Ann Arbor Office of Community and Economic Development the following documentation after the Section 3 qualified project is substantially completed, and will freely submit this information at any time if requested by OCED.

- Washtenaw County/City of Ann Arbor Office of Community and Economic Development Section 3 Summary Report
- Contract and Subcontract Activity Report
- The contractor will present a list, to the Section 3 Coordinator, of the number of subcontracting and/or employment opportunities expected to be generated from the contract.
- All the applicable required forms to meet Section 3 Requirements, including, but not limited to the forms found in Attachments 1-17 of this document [to be inserted as attachments in final version of Section 3 Plan].

General Statement

as the Public Agency, and _____, as the general contractor are committed to comply with the Section 3 act, the Section 3 regulations, and Washtenaw County/City of Ann Arbor Office of Community and Economic Development (MSHDA) Section 3 Guidelines. It is our desire to work together to ensure compliance, to the greatest extent feasible, through the awarding of contracts for work and services to Section 3 companies, and to provide employment and training to Section 3 residents. We commit to include the Section 3 clause in the construction contract and all subcontracts. All subcontractors interested in submitting bids for contracts will be informed of the Section 3 requirements and goals. We agree to provide Washtenaw County/City of Ann Arbor Office of Community and Economic Development (OCED) with copies of all bids received in response to the invitation to bid and copies of all contracts awarded in excess of $100,000.00.

General Contractor:

_____
(Print/type name of organization)

By: _____ [signature required]

_____
(Print/type name and title)

Date: _____

The contents of this Draft Section 3 Plan will be inserted into the final Section 3 Plan, which will include Attachments 1-17.

CONTRACTOR & SUB-CONTRACTOR INFORMATION SHEET

Project:	
General Contractor:	**Date of Contract:**
Contact Person:	**Contract Amount:**
Phone Number:	**Identification Number:**

Sub-Company Name	Contact Person	Phone	Date of Contract	Contract Amount	Identification Number

Project Wage Rate Sheet

U.S. Department of Housing and Urban Development
Office of Labor Relations

PROJECT NAME:	WAGE DECISION NUMBER/MODIFICATION NUMBER:
PROJECT NUMBER:	PROJECT COUNTY:

WORK CLASSIFICATION	BASIC HOURLY RATE (BHR)	FRINGE BENEFITS	TOTAL HOURLY WAGE RATE	LABORERS FRINGE BENEFITS:		$
				GROUP #	BHR	TOTAL WAGE
Bricklayers			$			
Carpenters			$			$
Cement Masons			$			$
Drywall Hangers			$			$
Electricians			$			$
Iron Workers			$			$
Painters			$	OPERATORS FRINGE BENEFITS:		$
Plumbers			$	GROUP #	BHR	TOTAL WAGE
Roofers			$			$
Sheet Metal Workers			$			$
Soft Floor Layers			$			$
Tapers			$			$
Tile Setters			$	TRUCK DRIVERS FRINGE BENEFITS:		$
OTHER CLASSIFICATIONS				GROUP #	BHR	TOTAL WAGE
			$			$
			$			$
			$			$

ADDITIONAL CLASSIFICATIONS (HUD Form 4230-A)

WORK CLASSIFICATION	BASIC HOURLY RATE	FRINGE BENEFITS	TOTAL HOURLY WAGE RATE	DATE OF HUD SUBMISSION TO DOL	DATE OF DOL APPROVAL
			$		
			$		
			$		
			$		

Equal Employment Opportunity is THE LAW

Private Employers, State and Local Governments, Educational Institutions, Employment Agencies and Labor Organizations

Applicants to and employees of most private employers, state and local governments, educational institutions, employment agencies and labor organizations are protected under Federal law from discrimination on the following bases:

RACE, COLOR, RELIGION, SEX, NATIONAL ORIGIN

Title VII of the Civil Rights Act of 1964, as amended, protects applicants and employees from discrimination in hiring, promotion, discharge, pay, fringe benefits, job training, classification, referral, and other aspects of employment, on the basis of race, color, religion, sex (including pregnancy), or national origin. Religious discrimination includes failing to reasonably accommodate an employee's religious practices where the accommodation does not impose undue hardship.

DISABILITY

Title I and Title V of the Americans with Disabilities Act of 1990, as amended, protect qualified individuals from discrimination on the basis of disability in hiring, promotion, discharge, pay, fringe benefits, job training, classification, referral, and other aspects of employment. Disability discrimination includes not making reasonable accommodation to the known physical or mental limitations of an otherwise qualified individual with a disability who is an applicant or employee, barring undue hardship.

AGE

The Age Discrimination in Employment Act of 1967, as amended, protects applicants and employees 40 years of age or older from discrimination based on age in hiring, promotion, discharge, pay, fringe benefits, job training, classification, referral, and other aspects of employment.

SEX (WAGES)

In addition to sex discrimination prohibited by Title VII of the Civil Rights Act, as amended, the Equal Pay Act of 1963, as amended, prohibits sex discrimination in the payment of wages to women and men performing substantially equal work, in jobs that require equal skill, effort, and responsibility, under similar working conditions, in the same establishment.

GENETICS

Title II of the Genetic Information Nondiscrimination Act of 2008 protects applicants and employees from discrimination based on genetic information in hiring, promotion, discharge, pay, fringe benefits, job training, classification, referral, and other aspects of employment. GINA also restricts employers' acquisition of genetic information and strictly limits disclosure of genetic information. Genetic information includes information about genetic tests of applicants, employees, or their family members; the manifestation of diseases or disorders in family members (family medical history); and requests for or receipt of genetic services by applicants, employees, or their family members.

RETALIATION

All of these Federal laws prohibit covered entities from retaliating against a person who files a charge of discrimination, participates in a discrimination proceeding, or otherwise opposes an unlawful employment practice.

WHAT TO DO IF YOU BELIEVE DISCRIMINATION HAS OCCURRED

There are strict time limits for filing charges of employment discrimination. To preserve the ability of EEOC to act on your behalf and to protect your right to file a private lawsuit, should you ultimately need to, you should contact EEOC promptly when discrimination is suspected:

The U.S. Equal Employment Opportunity Commission (EEOC), 1-800-669-4000 (toll-free) or 1-800-669-6820 (toll-free TTY number for individuals with hearing impairments). EEOC field office information is available at www.eeoc.gov or in most telephone directories in the U.S. Government or Federal Government section. Additional information about EEOC, including information about charge filing, is available at www.eeoc.gov.

Employers Holding Federal Contracts or Subcontracts

Applicants to and employees of companies with a Federal government contract or subcontract are protected under Federal law from discrimination on the following bases:

RACE, COLOR, RELIGION, SEX, NATIONAL ORIGIN
Executive Order 11246, as amended, prohibits job discrimination on the basis of race, color, religion, sex or national origin, and requires affirmative action to ensure equality of opportunity in all aspects of employment.

INDIVIDUALS WITH DISABILITIES
Section 503 of the Rehabilitation Act of 1973, as amended, protects qualified individuals from discrimination on the basis of disability in hiring, promotion, discharge, pay, fringe benefits, job training, classification, referral, and other aspects of employment. Disability discrimination includes not making reasonable accommodation to the known physical or mental limitations of an otherwise qualified individual with a disability who is an applicant or employee, barring undue hardship. Section 503 also requires that Federal contractors take affirmative action to employ and advance in employment qualified individuals with disabilities at all levels of employment, including the executive level.

DISABLED, RECENTLY SEPARATED, OTHER PROTECTED, AND ARMED FORCES SERVICE MEDAL VETERANS
The Vietnam Era Veterans' Readjustment Assistance Act of 1974, as amended, 38 U.S.C. 4212, prohibits job discrimination and requires affirmative action to employ and advance in employment disabled veterans, recently separated veterans (within three years of discharge or release from active duty), other protected veterans (veterans who served during a war or in a campaign or expedition for which a campaign badge has been authorized), and Armed Forces service medal veterans (veterans who, while on active duty, participated in a U.S. military operation for which an Armed Forces service medal was awarded).

RETALIATION
Retaliation is prohibited against a person who files a complaint of discrimination, participates in an OFCCP proceeding, or otherwise opposes discrimination under these Federal laws.

Any person who believes a contractor has violated its nondiscrimination or affirmative action obligations under the authorities above should contact immediately:

The Office of Federal Contract Compliance Programs (OFCCP), U.S. Department of Labor, 200 Constitution Avenue, N.W., Washington, D.C. 20210, 1-800-397-6251 (toll-free) or (202) 693-1337 (TTY). OFCCP may also be contacted by e-mail at OFCCP-Public@dol.gov, or by calling an OFCCP regional or district office, listed in most telephone directories under U.S. Government, Department of Labor.

Programs or Activities Receiving Federal Financial Assistance

RACE, COLOR, NATIONAL ORIGIN, SEX
In addition to the protections of Title VII of the Civil Rights Act of 1964, as amended, Title VI of the Civil Rights Act of 1964, as amended, prohibits discrimination on the basis of race, color or national origin in programs or activities receiving Federal financial assistance. Employment discrimination is covered by Title VI if the primary objective of the financial assistance is provision of employment, or where employment discrimination causes or may cause discrimination in providing services under such programs. Title IX of the Education Amendments of 1972 prohibits employment discrimination on the basis of sex in educational programs or activities which receive Federal financial assistance.

INDIVIDUALS WITH DISABILITIES
Section 504 of the Rehabilitation Act of 1973, as amended, prohibits employment discrimination on the basis of disability in any program or activity which receives Federal financial assistance. Discrimination is prohibited in all aspects of employment against persons with disabilities who, with or without reasonable accommodation, can perform the essential functions of the job.

If you believe you have been discriminated against in a program of any institution which receives Federal financial assistance, you should immediately contact the Federal agency providing such assistance.

EMPLOYEE RIGHTS
UNDER THE DAVIS-BACON ACT

FOR LABORERS AND MECHANICS EMPLOYED ON FEDERAL OR FEDERALLY ASSISTED CONSTRUCTION PROJECTS

THE UNITED STATES DEPARTMENT OF LABOR WAGE AND HOUR DIVISION

PREVAILING WAGES — You must be paid not less than the wage rate listed in the Davis-Bacon Wage Decision posted with this Notice for the work you perform.

OVERTIME — You must be paid not less than one and one-half times your basic rate of pay for all hours worked over 40 in a work week. There are few exceptions.

ENFORCEMENT — Contract payments can be withheld to ensure workers receive wages and overtime pay due, and liquidated damages may apply if overtime pay requirements are not met. Davis-Bacon contract clauses allow contract termination and debarment of contractors from future federal contracts for up to three years. A contractor who falsifies certified payroll records or induces wage kickbacks may be subject to civil or criminal prosecution, fines and/or imprisonment.

APPRENTICES — Apprentice rates apply only to apprentices properly registered under approved Federal or State apprenticeship programs.

PROPER PAY — If you do not receive proper pay, or require further information on the applicable wages, contact the Contracting Officer listed below:

or contact the U.S. Department of Labor's Wage and Hour Division.

For additional information:

1-866-4-USWAGE

(1-866-487-9243) TTY: 1-877-889-5627

WHD U.S. Wage and Hour Division

WWW.WAGEHOUR.DOL.GOV

U.S. Department of Labor | Employment Standards Administration | Wage and Hour Division

WH 1321(Revised April 2009)

U.S. Department of Labor
Wage and Hour Division

PAYROLL

(For Contractor's Optional Use; See Instructions at www.dol.gov/whd/forms/wh347instr.htm)

Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number.

U.S. Wage and Hour Division

Rev. Dec. 2008

OMB No.: 1235-0008
Expires: 01/31/2015

NAME OF CONTRACTOR ☐ OR SUBCONTRACTOR ☐	ADDRESS	
PAYROLL NO.	FOR WEEK ENDING	PROJECT AND LOCATION / PROJECT OR CONTRACT NO.

(1) NAME AND INDIVIDUAL IDENTIFYING NUMBER (e.g., LAST FOUR DIGITS OF SOCIAL SECURITY NUMBER) OF WORKER	(2) NO. OF WITHHOLDING EXEMPTIONS	(3) WORK CLASSIFICATION	OT OR ST.	(4) DAY AND DATE / HOURS WORKED EACH DAY	(5) TOTAL HOURS	(6) RATE OF PAY	(7) GROSS AMOUNT EARNED	(8) DEDUCTIONS: FICA	WITH-HOLDING TAX			OTHER	TOTAL DEDUCTIONS	(9) NET WAGES PAID FOR WEEK
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While completion of Form WH-347 is optional, it is mandatory for covered contractors and subcontractors performing work on Federally financed or assisted construction contracts to respond to the information collection contained in 29 C.F.R. §§ 3.3, 5.5(a). The Copeland Act (40 U.S.C. § 3145) contractors and subcontractors performing work on Federally financed or assisted construction contracts to "furnish weekly a statement with respect to the wages paid each employee during the preceding week." U.S. Department of Labor (DOL) regulations at 29 C.F.R. § 5.5(a)(3)(ii) require contractors to submit weekly a copy of all payrolls to the Federal agency contracting for or financing the construction project, accompanied by a signed "Statement of Compliance" indicating that the payrolls are correct and complete and that each laborer or mechanic has been paid not less than the proper Davis-Bacon prevailing wage rate for the work performed. DOL and federal contracting agencies receiving this information review the information to determine that employees have received legally required wages and fringe benefits.

Public Burden Statement

We estimate that is will take an average of 55 minutes to complete this collection, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. If you have any comments regarding these estimates or any other aspect of this collection, including suggestions for reducing this burden, send them to the Administrator, Wage and Hour Division, U.S. Department of Labor, Room S3502, 200 Constitution Avenue, N.W. Washington, D.C. 20210

(over)

Date _____

I, _____ _____
(Name of Signatory Party) (Title)

do hereby state:

(1) That I pay or supervise the payment of the persons employed by

_____ on the
(Contractor or Subcontractor)

_____; that during the payroll period commencing on the
(Building or Work)

_____ day of _____, _____, and ending the _____ day of _____, _____,

all persons employed on said project have been paid the full weekly wages earned, that no rebates have been or will be made either directly or indirectly to or on behalf of said

_____ from the full
(Contractor or Subcontractor)

weekly wages earned by any person and that no deductions have been made either directly or indirectly from the full wages earned by any person, other than permissible deductions as defined in Regulations, Part 3 (29 C.F.R. Subtitle A), issued by the Secretary of Labor under the Copeland Act, as amended (48 Stat. 948, 63 Start. 108, 72 Stat. 967; 76 Stat. 357; 40 U.S.C. § 3145), and described below:

_____

_____

_____

_____

(2) That any payrolls otherwise under this contract required to be submitted for the above period are correct and complete; that the wage rates for laborers or mechanics contained therein are not less than the applicable wage rates contained in any wage determination incorporated into the contract; that the classifications set forth therein for each laborer or mechanic conform with the work he performed.

(3) That any apprentices employed in the above period are duly registered in a bona fide apprenticeship program registered with a State apprenticeship agency recognized by the Bureau of Apprenticeship and Training, United States Department of Labor, or if no such recognized agency exists in a State, are registered with the Bureau of Apprenticeship and Training, United States Department of Labor.

(4) That:

(a) WHERE FRINGE BENEFITS ARE PAID TO APPROVED PLANS, FUNDS, OR PROGRAMS

☐ – in addition to the basic hourly wage rates paid to each laborer or mechanic listed in the above referenced payroll, payments of fringe benefits as listed in the contract have been or will be made to appropriate programs for the benefit of such employees, except as noted in section 4(c) below.

(b) WHERE FRINGE BENEFITS ARE PAID IN CASH

☐ – Each laborer or mechanic listed in the above referenced payroll has been paid, as indicated on the payroll, an amount not less than the sum of the applicable basic hourly wage rate plus the amount of the required fringe benefits as listed in the contract, except as noted in section 4(c) below.

(c) EXCEPTIONS

EXCEPTION (CRAFT)	EXPLANATION

REMARKS:

NAME AND TITLE	SIGNATURE

THE WILLFUL FALSIFICATION OF ANY OF THE ABOVE STATEMENTS MAY SUBJECT THE CONTRACTOR OR SUBCONTRACTOR TO CIVIL OR CRIMINAL PROSECUTION. SEE SECTION 1001 OF TITLE 18 AND SECTION 231 OF TITLE 31 OF THE UNITED STATES CODE.

Company Letterhead

Payroll Deduction Authorization for "Other Deductions" on Certified Payroll

Project Name: _____

Employee's Name: _____

I, _____(Employee Name)_____, hereby authorize _____(name of employer/company)_____ to deduct $_____ from my paycheck.

This deduction is for:

_____Loan Repayment _____ Retirement _____Profit Sharing _____Advance

_____ Charitable Donations _____ Savings Bonds _____Insurance Premiums

_____Other:_____

This deduction is to be made:

_____One time only _____Weekly _____Monthly _____times over_____weeks

_____Other:_____

Employee's Signature: _____ Date:_____

You may make payroll deductions as permitted by DOL regulations 29 CFR Part 3. These regulations prohibit the employer from requiring employees to "kick-back" (i.e. give up or return to the employer) any of their earnings other than those identified.

You need to submit this documentation only one time per employee, unless changes in deductions or durations take place.

***If deductions are being made for child support, a copy of the court ordered withholding must be included.**

Waiver of Lien

My/our contract with:_____ to provide _____for the improvement to:_____

_____

_____

(Check One)

[ ] Partial Conditional

I hereby waive my/our construction lien to the amount $_____ for labor/materials provided. This waiver, together with all previous waivers, if any, does not cover amounts due to me/us for the contract improvement provided.

This waiver is conditioned on actual payment of $_____.

[ ] Partial Unconditional

Having been fully paid and satisfied, hereby waive my/our construction lien to the amount of $_____ for the labor/materials provided through _____. This waiver, together with all previous waivers, if any, does/does not cover all amounts due to me/us for contract improvement provided through the date shown above.

[ ] Full Conditional

Having been fully paid and satisfied, all my/our construction lien rights against such property are hereby waived and released.

This waiver is conditioned on the actual payment of $_____.

[ ] Full Unconditional

Having been fully paid and satisfied, all my/our construction lien rights against such property are hereby waived and released.

Date:_____

Signature:_____

Company:_____

Address:_____

_____

_____

Phone:_____

DO NOT SIGN BLANK FORM

FULL UNCONDITIONAL WAIVER

My/our contract with _____ to provide

_____for the improvement of the property described as

_____

_____ having been

fully paid and satisfied, all my/our construction lien rights against such property

are hereby waived and released.

_____
(Printed Name of Lien Claimant)

_____
(Signature of lien claimant)

Signed on: _____

Address:_____

_____

Telephone: _____

DO NOT SIGN BLANK OR INCOMPLETE FORMS. RETAIN A COPY.

SWORN STATEMENT

State of Michigan

} §

County of Washtenaw

_____, being duly sworn, states the following:

_____

is the (contractor)(subcontractor) for an improvement to the following real property in Washtenaw

County, Michigan, described as follows: _____

_____

_____

The following is a statement of each subcontractor, supplier and laborer, for whom payment of wages or fringe benefits and withholdings is due but unpaid, with whom the **(contractor)(subcontractor)** has (contracted)(subcontracted) for performance under the contract with the owner or lessee, and the amounts due to the persons as of the date of this statement are correctly and fully set forth opposite their names:

Name, Address & Phone Number of Subcontractor, Supplier, or Laborer	Type of Improvement Furnished	Total Contract Price	Amount Already Paid	Amount Currently Owing	Balance to Complete (optional)	Amount of Laborer Wages Due but Unpaid	Amount of Fringe Benefits and Withholdings Due But Unpaid
Totals							

(Some columns may not be applicable to all persons listed)

The contractor has not procured material from, or subcontracted wilh, any person other than those set forth and owes no money for the improvement other than the sums set forth.*

I make this statement as the (contractor)(subcontractor) or as of the (contractor)(sub-contractor) to represent to the owner or lessee of the property and his or her agents that the property is free from claims of construction liens, or the possibility of construction liens, except as specifically set forth in this statement and except for claims of construction liens by laborers that may be provided under Section 109 of the Construction Lien Act, 1980 PA 497, MCL 570.1 109.

WARNING TO OWNER OR LESSEE: AN OWNER OR LESSEE OF THE PROPERTY MAY NOT RELY ON THIS SWORN STATEMENT TO AVOID THE CLAIM OF A SUBCONTRACTOR, SUPPLIER OR LABORER WHO HAS PROVIDED A NOTICE OF FURNISHING OR A LABORER WHO MAY PROVIDE A NOTICE OF FURNISHING UNDER SECTION 109 OF THE CONSTRUCTION LIEN ACT, 1980 PA 497, MCL 570.1109 TO THE DESIGNEE OR TO THE OWNER OR LESSEE IF THE DESIGNEE IS NOT NAMED OR HAS DIED.

IF THIS SWORN STATEMENT IS IN REGARD TO A RESIDENTIAL STRUCTURE, ON RECEIPT OF THIS SWORN STATEMENT, THE OWNER OR LESSEE, OR THE OWNER'S OR LESSEE'S DESIGNEE MUST GIVE NOTICE OF ITS RECEIPT, EITHER IN WRITING, OR BY TELEPHONE, OR PERSONALLY. TO EACH SUBCONTRACTOR, SUPPLIER, AND LABORER WHO HAS PROVIDED A NOTICE OF FURNISHING UNDER SECTION 109 OR, IF A NOTICE OF FURNISHING IS EXCUSED UNDER SECTION 108 OR 108A, TO EACH SUBCONTRACTOR, SUPPLIER, AND LABORER NAMED IN THE SWORN STATEMENT. IF A SUBCONTRACTOR, SUPPLIER WHO HAS PROVIDED LESSEE, OR DESIGNEE SHALL PROVIDE THE REQUESTER A COPY OF THE SWORN STATEMENT WITHIN 10 BUSINESS DAYS AFTER RECEIVING THE REQUEST.

_____
Dependent Printed Name

_____
Dependent Signature

WARNING TO DEPONDENT: A PERSON WHO GIVES A FALSE SWORN STATEMENT WITH INTENT TO DEFRAUD IS SUBJECT TO CRIMINAL PENALTIES AS PROVIDED IN SECTION 110 OF THE CONSTRUCTION LIEN ACT, 1980 PA 497, MCL 570.1110.

Subscribed and sworn to before me this

_____day of_____,_____

_____

Notary Public, _____ County, Michigan

My Commission Expires:

_____

*Materials furnished by a contractor or a subcontractor out of his or her own inventory, and which has not been purchased specifically for the purpose of performing the contract, need not be listed.

Section 3 Summary Report

Economic Opportunities for
Low – and Very Low-Income Persons

U.S. Department of Housing
and Urban Development
Office of Fair Housing
And Equal Opportunity

OMB Approval No: 2529-0043
(exp. 11/30/2010)

HUD Field Office:

Section back of page for Public Reporting Burden statement

1. Recipient Name & Address: (street, city, state, zip)	2. Federal Identification: (grant no.)	3. Total Amount of Award:
	4. Contact Person	5. Phone: (Include area code)
	6. Length of Grant:	7. Reporting Period:
8. Date Report Submitted:	9. Program Code: (Use separate sheet for each program code)	10. Program Name:

Part I: Employment and Training (** Columns B, C and F are mandatory fields. Include New Hires in E &F)

A Job Category	B Number of New Hires	C Number of New Hires that are Sec. 3 Residents	D % of Aggregate Number of Staff Hours of New Hires that are Sec. 3 Residents	E % of Total Staff Hours for Section 3 Employees and Trainees	F Number of Section 3 Trainees
Professionals					
Technicians					
Office/Clerical					
Construction by Trade (List) Trade					
Trade					
Trade					
Trade					
Trade					
Other (List)					
Total					

* Program Codes
1 = Flexible Subsidy
2 = Section 202/811
3 = Public/Indian Housing
A = Development,
B = Operation
C = Modernization
4 = Homeless Assistance
5 = HOME
6 = HOME State Administered
7 = CDBG Entitlement
8 = CDBG State Administered
9 = Other CD Programs
10 = Other Housing Programs

form HUD 60002 (6/2001)
Ref 24 CFR 135

Part II: Contracts Awarded

1. Construction Contracts:

A. Total dollar amount of all contracts awarded on the project	$
B. Total dollar amount of contracts awarded to Section 3 businesses	$
C. Percentage of the total dollar amount that was awarded to Section 3 businesses	%
D. Total number of Section 3 businesses receiving contracts	

2. Non-Construction Contracts:

A. Total dollar amount all non-construction contracts awarded on the project/activity	$
B. Total dollar amount of non-construction contracts awarded to Section 3 businesses	$
C. Percentage of the total dollar amount that was awarded to Section 3 businesses	%
D. Total number of Section 3 businesses receiving non-construction contracts	

Part III: Summary

Indicate the efforts made to direct the employment and other economic opportunities generated by HUD financial assistance for housing and community development programs, to the greatest extent feasible, toward low-and very low-income persons, particularly those who are recipients of government assistance for housing. (Check all that apply.)

_____ Attempted to recruit low-income residents through: local advertising media, signs prominently displayed at the project site, contracts with the community organizations and public or private agencies operating within the metropolitan area (or nonmetropolitan county) in which the Section 3 covered program or project is located, or similar methods.

_____ Participated in a HUD program or other program which promotes the training or employment of Section 3 residents.

_____ Participated in a HUD program or other program which promotes the award of contracts to business concerns which meet the definition of Section 3 business concerns.

_____ Coordinated with Youthbuild Programs administered in the metropolitan area in which the Section 3 covered project is located.

_____ Other; describe below.

Public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This agency may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB number.

Section 3 of the Housing and Urban Development Act of 1968, as amended, 12 U.S.C. 1701u, mandates that the Department ensures that employment and other economic opportunities generated by its housing and community development assistance programs are directed toward low- and very-low income persons, particularly those who are recipients of government assistance housing. The regulations are found at 24 CFR Part 135. The information will be used by the Department to monitor program recipients' compliance with Section 3, to assess the results of the Department's efforts to meet the statutory objectives of Section 3, to prepare reports to Congress, and by recipients as self-monitoring tool. The data is entered into a database and will be analyzed and distributed. The collection of information involves recipients receiving Federal financial assistance for housing and community development programs covered by Section 3. The information will be collected annually to assist HUD in meeting its reporting requirements under Section 808(e)(6) of the Fair Housing Act and Section 916 of the HCDA of 1992. An assurance of confidentiality is not applicable to this form. The Privacy Act of 1974 and OMB Circular A-108 are not applicable. The reporting requirements do not contain sensitive questions. Data is cumulative; personal identifying information is not included.

Form HUD-60002, **Section 3 Summary Report, Economic Opportunities for Low- and Very Low-Income Persons.**

Instructions: This form is to be used to report annual accomplishments regarding employment and other economic opportunities provided to low- and very low-income persons under Section 3 of the Housing and Urban Development Act of 1968. The Section 3 regulations apply to any ***public and Indian housing programs*** that receive: (1) development assistance pursuant to Section 5 of the U.S. Housing Act of 1937; (2) operating assistance pursuant to Section 9 of the U.S. Housing Act of 1937; or (3) modernization grants pursuant to Section 14 of the U.S. Housing Act of 1937 and to **recipients of housing and community development assistance in excess of $200,000** expended for: (1) housing rehabilitation (including reduction and abatement of lead-based paint hazards); (2) housing construction; or (3) other public construction projects; and to ***contracts and subcontracts in excess of $100,000*** awarded in connection with the Section-3-covered activity.

Form HUD-60002 has three parts, which are to be completed for all programs covered by Section 3. Part I relates to ***employment and training***. The recipient has the option to determine numerical employment/training goals either on the basis of the number of hours worked by new hires (columns B, D, E and F). Part II of the form relates to ***contracting***, and Part III summarizes recipients' ***efforts*** to comply with Section 3.

Recipients or contractors subject to Section 3 requirements must maintain appropriate documentation to establish that HUD financial assistance for housing and community development programs were directed toward low- and very low-income persons.* A recipient of Section 3 covered assistance shall submit one copy of this report to HUD Headquarters, Office of Fair Housing and Equal Opportunity. Where the program providing assistance requires an annual performance report, this Section 3 report is to be submitted at the same time the program performance report is submitted. Where an annual performance report is not required, this Section 3 report is to be submitted by January 10 and, if the project ends before December 31, within 10 days of project completion. ***Only Prime Recipients are required to report to HUD. The report must include accomplishments of all recipients and their Section 3 covered contractors and subcontractors.***

HUD Field Office: Enter the Field Office name .

1. Recipient: Enter the name and address of the recipient submitting this report.
2. Federal Identification: Enter the number that appears on the award form (with dashes). The award may be a grant, cooperative agreement or contract.
3. Dollar Amount of Award: Enter the dollar amount, rounded to the nearest dollar, received by the recipient.

4 & 5. Contact Person/Phone: Enter the name and telephone number of the person with knowledge of the award and the recipient's implementation of Section 3.

6. Reporting Period: Indicate the time period (months and year) this report covers.
7. Date Report Submitted: Enter the appropriate date.
8. Program Code: Enter the appropriate program code as listed at the bottom of the page.
9. Program Name: Enter the name of HUD Program corresponding with the "Program Code" in number 8.

Part I: Employment and Training Opportunities

Column A: Contains various job categories. Professionals are defined as people who have special knowledge of an occupation (i.e. supervisors, architects, surveyors, planners, and computer programmers). For construction positions, list each trade and provide data in columns B through F for each trade where persons were employed. The category of "Other" includes occupations such as service workers.

Column B: (Mandatory Field) Enter the number of new hires for each category of workers identified in **Column A** in connection with this award. New hire refers to a person who is not on the contractor's or recipient's payroll for employment at the time of selection for the Section 3 covered award or at the time of receipt of Section 3 covered assistance.

Column C: (Mandatory Field) Enter the number of Section 3 new hires for each category of workers identified in **Column A** in connection with this award. Section 3 new hire refers to a Section 3 resident who is not on the contractor's or recipient's payroll for employment at the time of selection for the Section 3 covered award or at the time of receipt of Section 3 covered assistance.

Column D: Enter the percentage of all the staff hours of new hires (Section 3 residents) in connection with this award.

Column E: Enter the percentage of the total staff hours worked for Section 3 employees and trainees (including new hires) connected with this award. Include staff hours for part-time and full-time positions.

Column F: (Mandatory Field) Enter the number of Section 3 residents that were trained in connection with this award.

Part II: Contract Opportunities

Block 1: Construction Contracts

Item A: Enter the total dollar amount of all contracts awarded on the project/program.

Item B: Enter the total dollar amount of contracts connected with this project/program that were awarded to Section 3 businesses.

Item C: Enter the percentage of the total dollar amount of contracts connected with this project/program awarded to Section 3 businesses.

Item D: Enter the number of Section 3 businesses receiving awards.

Block 2: Non-Construction Contracts

Item A: Enter the total dollar amount of all contracts awarded on the project/program.

Item B: Enter the total dollar amount of contracts connected with this project awarded to Section 3 businesses.

Item C: Enter the percentage of the total dollar amount of contracts connected with this project/program awarded to Section 3 businesses.

Item D: Enter the number of Section 3 businesses receiving awards.

Part III: Summary of Efforts -- Self -explanatory

Submit one (1) copy of this report to the HUD Headquarters Office of Fair Housing and Equal Opportunity, at the same time the performance report is submitted to the program office. The Section 3 report is submitted by January 10. Include only contracts executed during the period specified in item 8. PHAs/IHAs are to report all contracts/subcontracts.

* The terms "low-income persons" and very low-income persons" have the same meanings given the terms in section 3 (b) (2) of the United States Housing Act of 1937. ***Low-income persons*** mean families (including single persons) whose incomes do not exceed 80 percent of the median income for the area, as determined by the Secretary, with adjustments for smaller and larger families, except that

The Secretary may establish income ceilings higher or lower than 80 percent of the median for the area on the basis of the Secretary's findings such that variations are necessary because of prevailing levels of construction costs or unusually high- or low-income families. ***Very low-income persons*** mean low-income families (including single persons) whose incomes do not exceed 50 percent of the median family income area, as determined by the Secretary with adjustments or smaller and larger families, except that the Secretary may establish income ceilings higher or lower than 50 percent of the median for the area on the basis of the Secretary's findings that such variations are necessary because of unusually high or low family incomes.

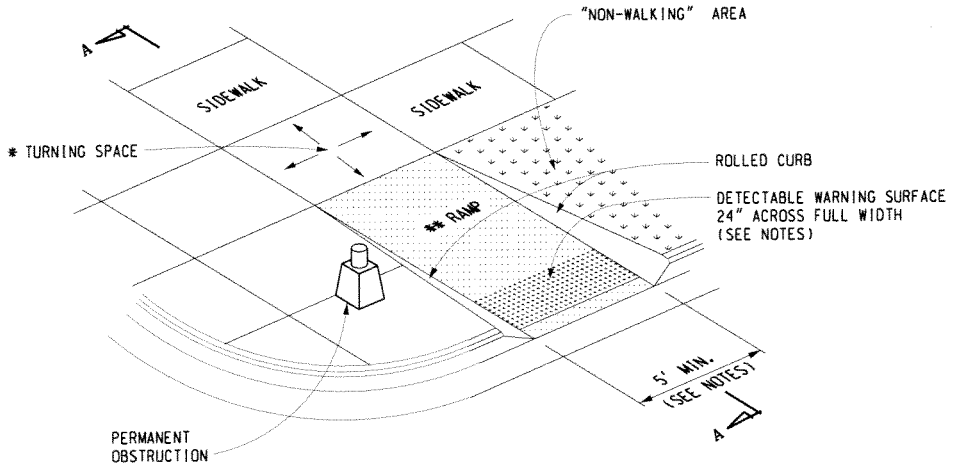
Project Wage Decision

Appendix C:

MDOT Standard Plans

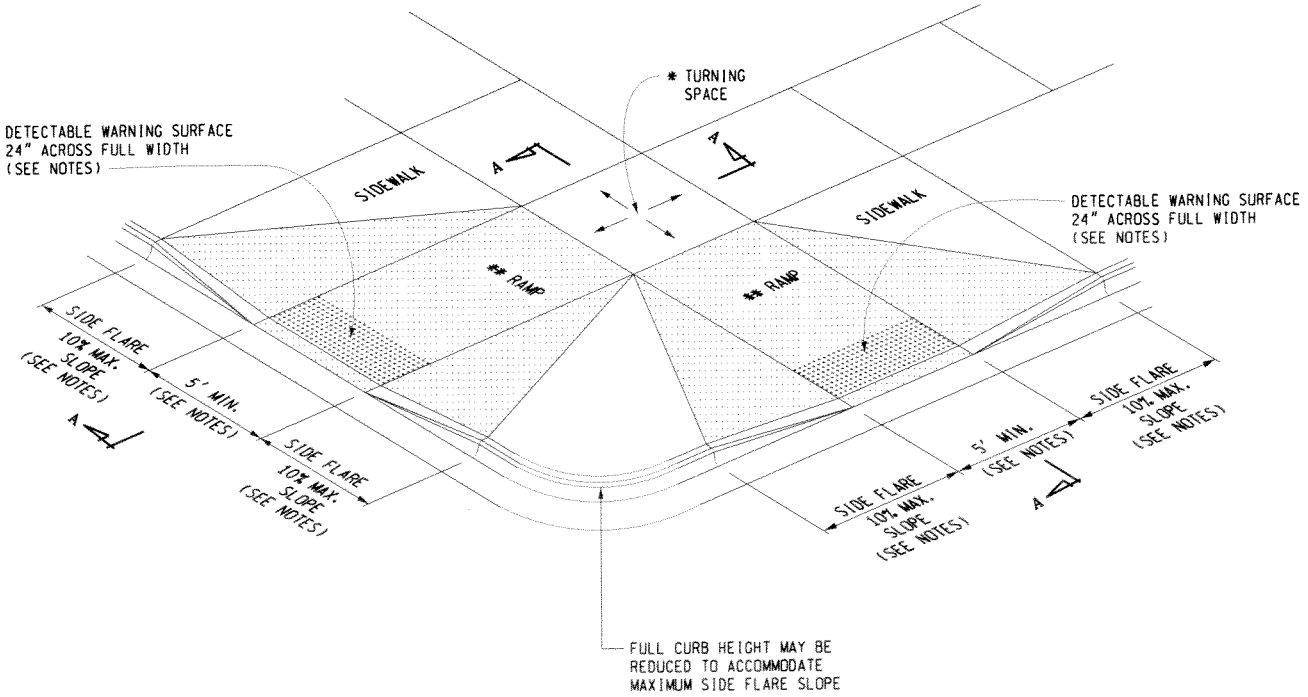
* MAXIMUM TURNING SPACE SLOPE IS 2.0% IN EACH DIRECTION OF TRAVEL. MINIMUM DIMENSIONS 5' x 5'. SEE NOTES.

** MAXIMUM RAMP CROSS SLOPE IS 2.0%. RUNNING SLOPE 5% - 7% (8.3% MAXIMUM). SEE NOTES.



SIDEWALK RAMP TYPE R

(ROLLED SIDES)



SIDEWALK RAMP TYPE F

(FLARED SIDES, TWO RAMPS SHOWN)

MDOT Michigan Department of Transportation

PREPARED BY DESIGN DIVISION

DRAWN BY: B.L.T.

CHECKED BY: W.K.P.

DEPARTMENT DIRECTOR
Kirk T. Steudle

APPROVED BY: Randy VanPortfleet
DIRECTOR, BUREAU OF FIELD SERVICES

APPROVED BY: Mark A VanPortfleet
DIRECTOR, BUREAU OF HIGHWAY DEVELOPMENT

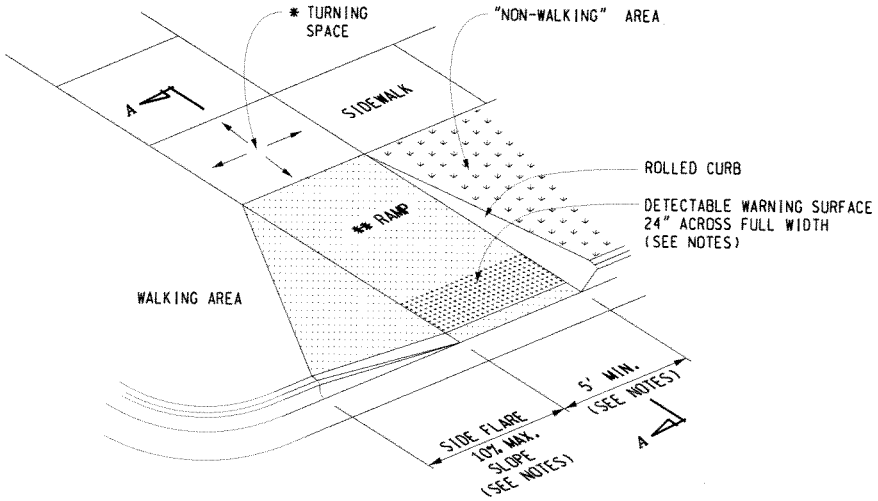
MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

SIDEWALK RAMP AND DETECTABLE WARNING DETAILS

9-30-2014	7-1-2014	R-28-I	SHEET 1 OF 7
F.H.W.A. APPROVAL	PLAN DATE		

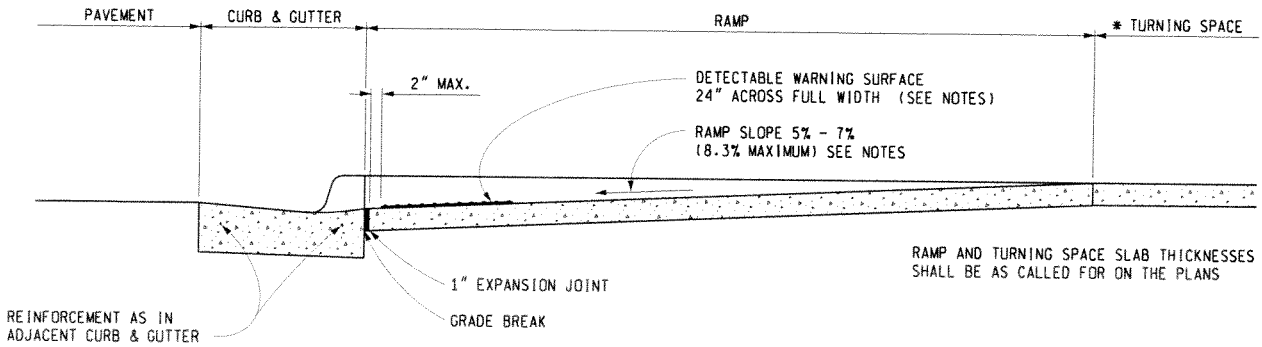
* MAXIMUM TURNING SPACE SLOPE IS 2.0% IN EACH DIRECTION OF TRAVEL. MINIMUM DIMENSIONS 5' x 5'. SEE NOTES.

** MAXIMUM RAMP CROSS SLOPE IS 2.0%. RUNNING SLOPE 5% - 7% (8.3% MAXIMUM). SEE NOTES.



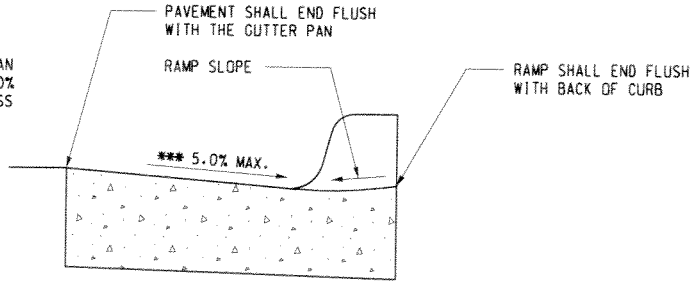
SIDEWALK RAMP TYPE RF

(ROLLED / FLARED SIDES)



SECTION A-A

*** TRANSITION ADJACENT GUTTER PAN CROSS SECTION TO PROVIDE 5.0% MAXIMUM COUNTER SLOPE ACROSS THE RAMP OPENING.



SECTION THROUGH CURB CUT

(TYPICAL ALL RAMP TYPES)

MICHIGAN DEPARTMENT OF TRANSPORTATION

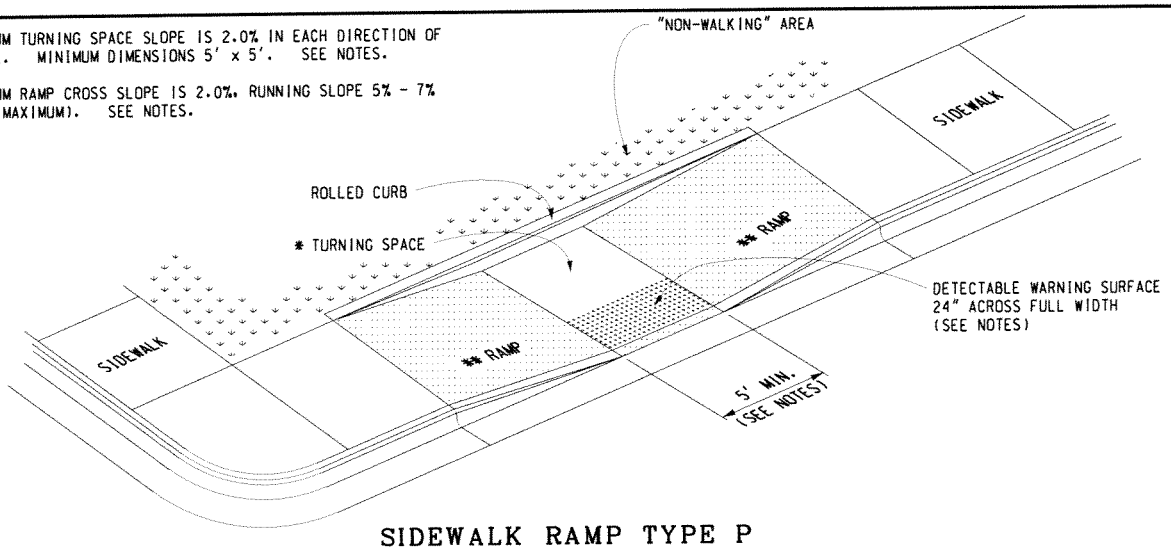
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

SIDEWALK RAMP AND DETECTABLE WARNING DETAILS

9-30-2014 F.H.W.A. APPROVAL	7-1-2014 PLAN DATE	R-28-I	SHEET 2 OF 7

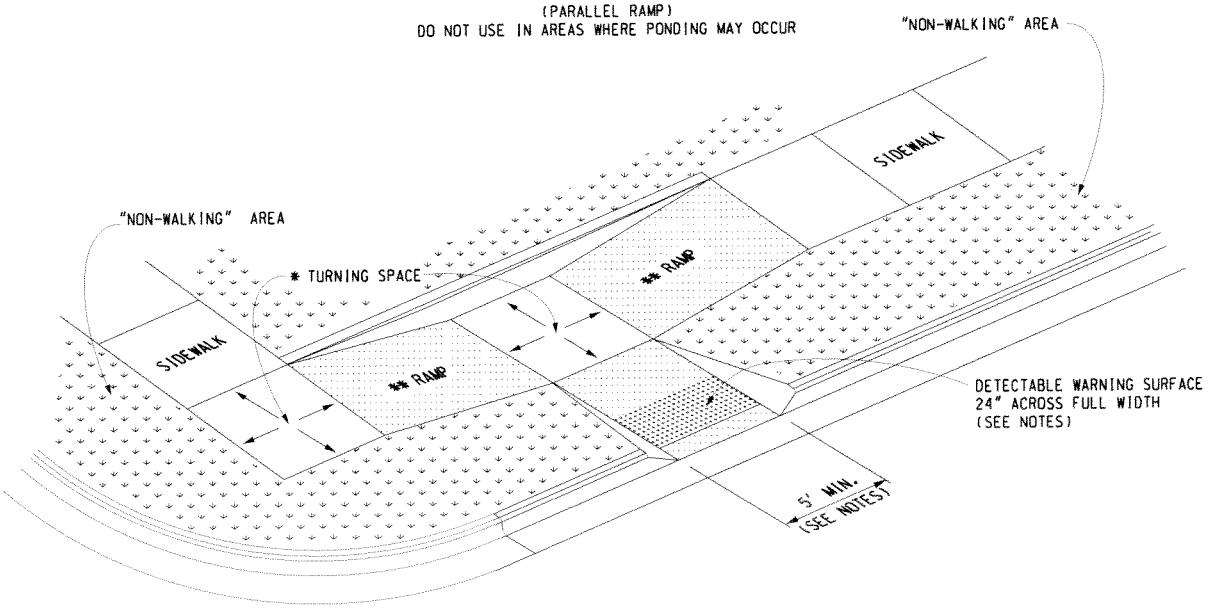
* MAXIMUM TURNING SPACE SLOPE IS 2.0% IN EACH DIRECTION OF TRAVEL. MINIMUM DIMENSIONS 5' x 5'. SEE NOTES.

** MAXIMUM RAMP CROSS SLOPE IS 2.0%, RUNNING SLOPE 5% - 7% (8.3% MAXIMUM). SEE NOTES.



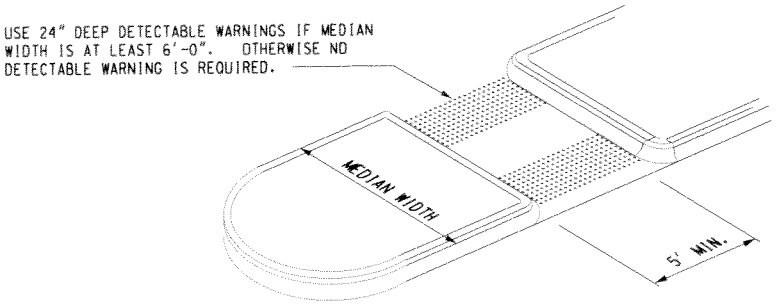
SIDEWALK RAMP TYPE P

(PARALLEL RAMP)
DO NOT USE IN AREAS WHERE PONDING MAY OCCUR



SIDEWALK RAMP TYPE C

(COMBINATION RAMP)



SIDEWALK RAMP TYPE M

(MEDIAN ISLAND)

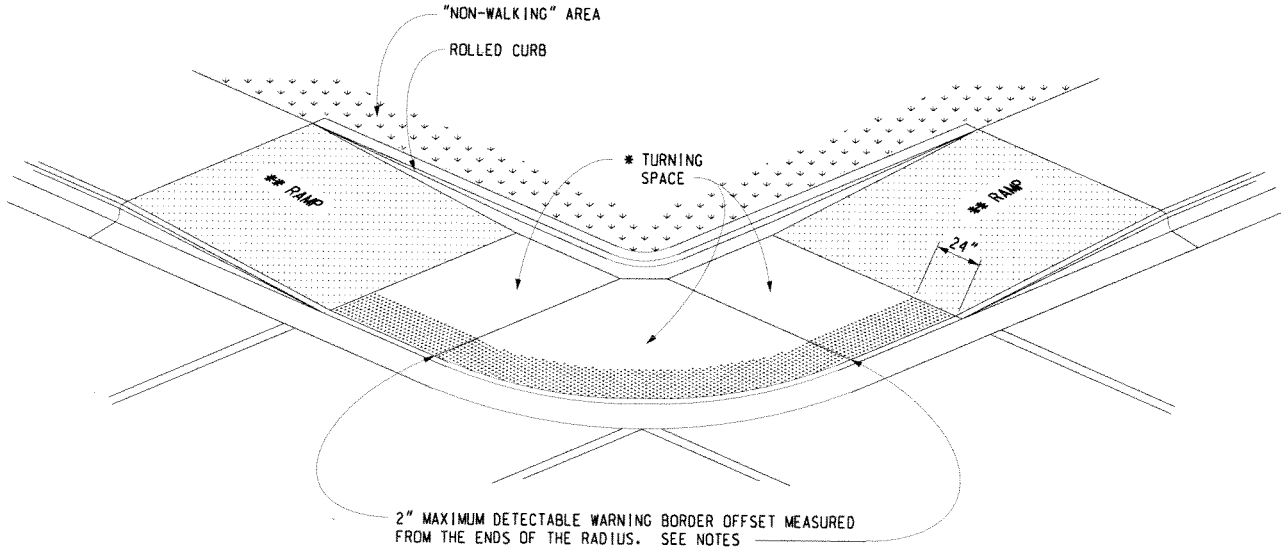
MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

SIDEWALK RAMP AND DETECTABLE WARNING DETAILS

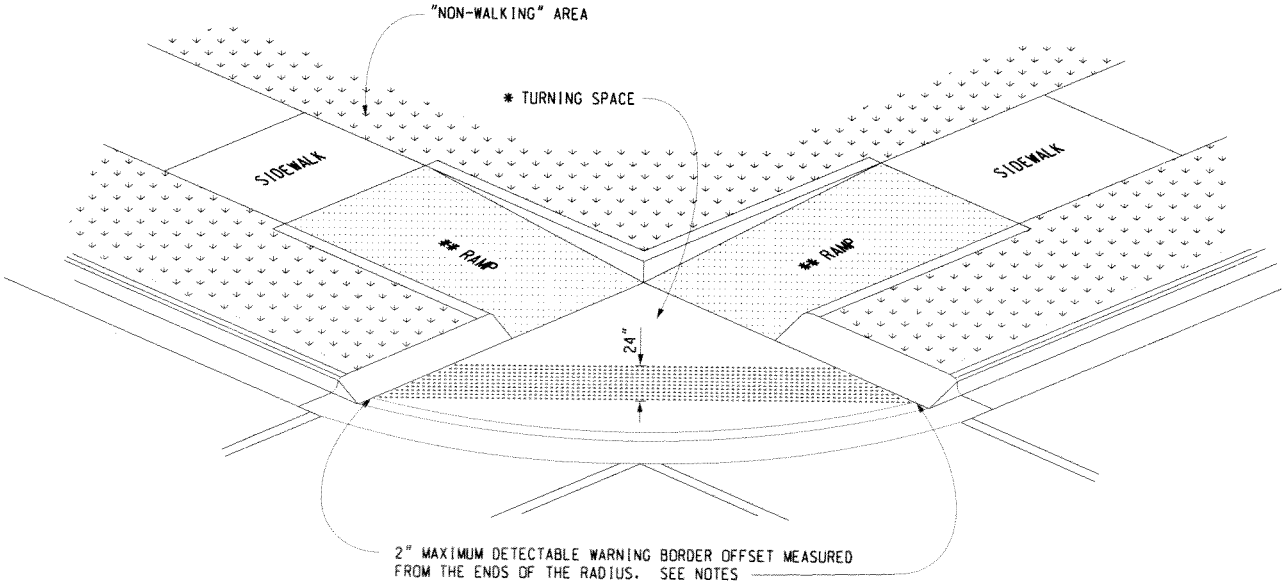
9-30-2014 F.H.W.A. APPROVAL	7-1-2014 PLAN DATE	R-28-I	SHEET 3 OF 7

* MAXIMUM TURNING SPACE SLOPE IS 2.0% IN EACH DIRECTION OF TRAVEL. MINIMUM DIMENSIONS 5' x 5'. SEE NOTES.

** MAXIMUM RAMP CROSS SLOPE IS 2.0%. RUNNING SLOPE 5% - 7% (8.3% MAXIMUM). SEE NOTES.



(RADIAL DETECTABLE WARNING SHOWN)



(TANGENT DETECTABLE WARNING SHOWN)

SIDEWALK RAMP TYPE D

(DEPRESSED CORNER)

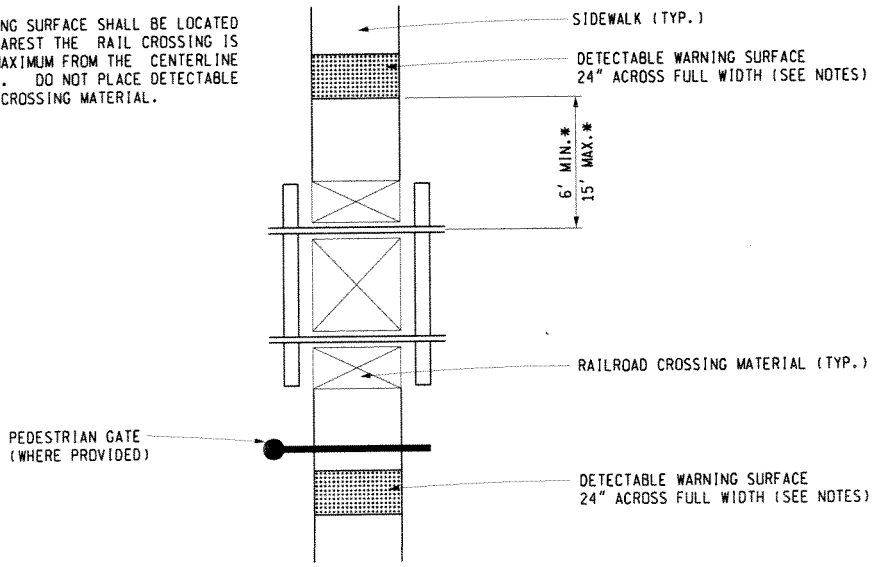
USE ONLY WHEN INDEPENDENT DIRECTIONAL RAMPS CAN NOT BE CONSTRUCTED FOR EACH CROSSING DIRECTION

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

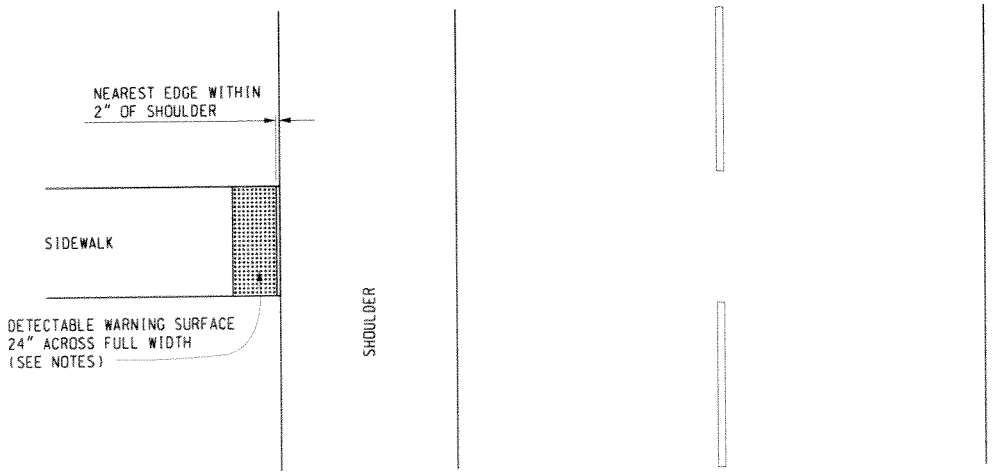
SIDEWALK RAMP AND DETECTABLE WARNING DETAILS

9-30-2014 F.H.W.A. APPROVAL	7-1-2014 PLAN DATE	R-28-I	SHEET 4 OF 7

* THE DETECTABLE WARNING SURFACE SHALL BE LOCATED SO THAT THE EDGE NEAREST THE RAIL CROSSING IS 6' MINIMUM AND 15' MAXIMUM FROM THE CENTERLINE OF THE NEAREST RAIL. DO NOT PLACE DETECTABLE WARNING ON RAILROAD CROSSING MATERIAL.



DETECTABLE WARNING AT RAILROAD CROSSING

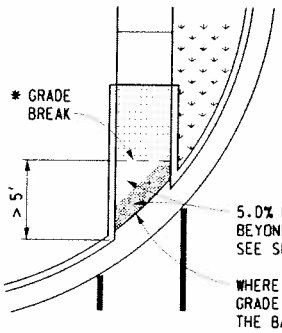


DETECTABLE WARNING AT FLUSH SHOULDER OR ROADWAY

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

SIDEWALK RAMP AND DETECTABLE WARNING DETAILS

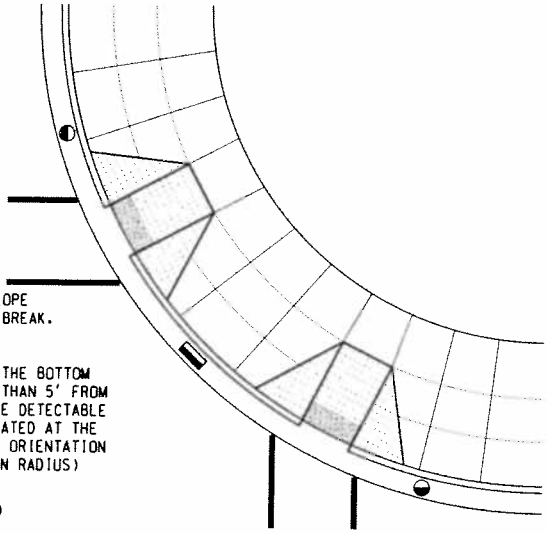
9-30-2014 F.H.W.A. APPROVAL	7-1-2014 PLAN DATE	R-28-I	SHEET 5 OF 7



5.0% MAX. RUNNING SLOPE BEYOND BOTTOM GRADE BREAK. SEE SECTION B-B

WHERE EITHER END OF THE BOTTOM GRADE BREAK IS MORE THAN 5' FROM THE BACK OF CURB, THE DETECTABLE WARNING SHALL BE LOCATED AT THE BACK OF CURB. (DOME ORIENTATION IS NOT SIGNIFICANT ON RADIUS)

SIDEWALK RAMP LOCATED IN RADIUS (TYPE R SHOWN)
(GRADE BREAK GREATER THAN 5')

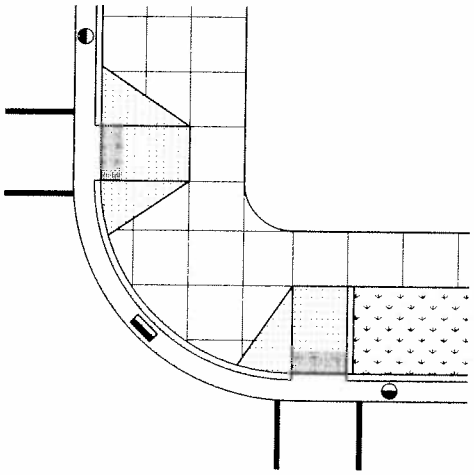


SIDEWALK RAMP PERPENDICULAR TO RADIAL CURB (TYPE F SHOWN)

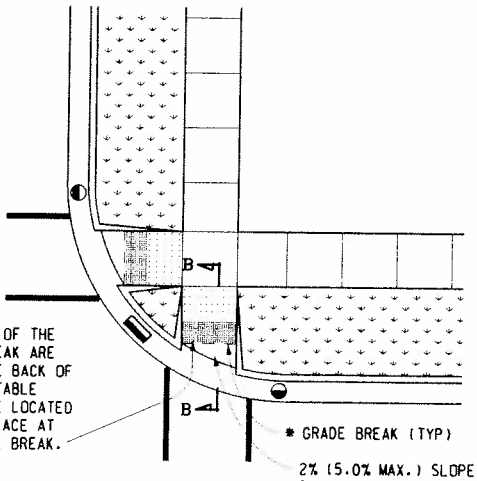
(USE WITH RADIAL CURB WHEN THE CROSSWALK AND SIDEWALK RAMP ARE NOT ALIGNED)

LEGEND

- SLOPED SURFACE
- DETECTABLE WARNING
- "NON-WALKING" AREA
- CROSSWALK MARKING
- PREFERRED LOCATION OF DRAINAGE INLET (TYP.)
- ALTERNATE LOCATION OF DRAINAGE INLET (TYP.)



SIDEWALK RAMP PERPENDICULAR TO TANGENT CURB
(TYPE F AND TYPE RF SHOWN)

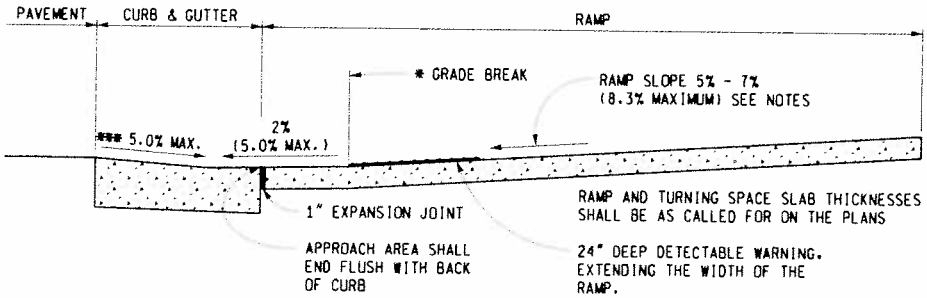


WHERE BOTH ENDS OF THE BOTTOM GRADE BREAK ARE WITHIN 5' OF THE BACK OF CURB, THE DETECTABLE WARNING SHALL BE LOCATED ON THE RAMP SURFACE AT THE BOTTOM GRADE BREAK.

* GRADE BREAK (TYP)

2% (5.0% MAX.) SLOPE BEYOND BOTTOM GRADE BREAK

SIDEWALK RAMP LOCATED IN RADIUS (TYPE R SHOWN)
(GRADE BREAK LESS THAN 5')



* GRADE BREAKS AT THE TOP AND BOTTOM OF CURB RAMPS SHALL BE PERPENDICULAR TO THE DIRECTION OF TRAVEL.

*** TRANSITION ADJACENT GUTTER PAN CROSS SECTION TO PROVIDE 5.0% MAXIMUM COUNTER SLOPE ACROSS THE RAMP OPENING.

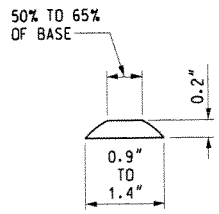
SECTION B-B

SIDEWALK RAMP ORIENTATION

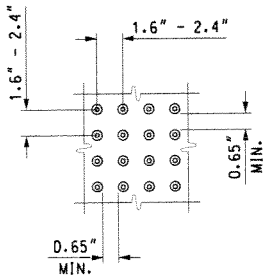
MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

SIDEWALK RAMP AND DETECTABLE WARNING DETAILS

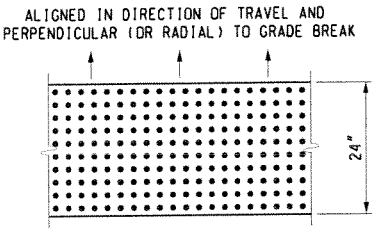
9-30-2014 F.H.W.A. APPROVAL	7-1-2014 PLAN DATE	R-28-I	SHEET 6 OF 7



DOME SECTION



DOME SPACING



DOME ALIGNMENT

DETECTABLE WARNING DETAILS

NOTES:

DETAILS SPECIFIED ON THIS PLAN APPLY TO ALL CONSTRUCTION, RECONSTRUCTION, OR ALTERATION OF STREETS, CURBS, OR SIDEWALKS IN THE PUBLIC RIGHT OF WAY.

SIDEWALK RAMPS ARE TO BE LOCATED AS SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

RAMPS SHALL BE PROVIDED AT ALL CORNERS OF AN INTERSECTION WHERE THERE IS EXISTING OR PROPOSED SIDEWALK AND CURB. RAMPS SHALL ALSO BE PROVIDED AT MARKED AND/OR SIGNALIZED MID-BLOCK CROSSINGS.

SURFACE TEXTURE OF THE RAMP SHALL BE THAT OBTAINED BY A COARSE BROOMING, TRANSVERSE TO THE RUNNING SLOPE.

SIDEWALK SHALL BE RAMPED WHERE THE DRIVEWAY CURB IS EXTENDED ACROSS THE WALK.

CARE SHALL BE TAKEN TO ASSURE A UNIFORM GRADE ON THE RAMP. WHERE CONDITIONS PERMIT, IT IS DESIRABLE THAT THE SLOPE OF THE RAMP BE IN ONLY ONE DIRECTION, PARALLEL TO THE DIRECTION OF TRAVEL.

RAMP WIDTH SHALL BE INCREASED, IF NECESSARY, TO ACCOMMODATE SIDEWALK SNOW REMOVAL EQUIPMENT NORMALLY USED BY THE MUNICIPALITY.

PROVIDE TURNING SPACES WHERE PEDESTRIAN TURNING MOVEMENTS ARE REQUIRED.

WHEN 5' MINIMUM WIDTHS ARE NOT FEASIBLE, RAMP WIDTH MAY BE REDUCED TO NOT LESS THAN 4' AND TURNING SPACES TO NOT LESS THAN 4' x 4'.

DETECTABLE WARNING SURFACE COVERAGE IS 24" MINIMUM IN THE DIRECTION OF RAMP/PATH TRAVEL AND THE FULL WIDTH OF THE RAMP/PATH OPENING EXCLUDING CURBED OR FLARED CURB TRANSITION AREAS. A BORDER OFFSET NOT GREATER THAN 2" MEASURED ALONG THE EDGES OF THE DETECTABLE WARNING IS ALLOWABLE. FOR RADIAL CURB THE OFFSET IS MEASURED FROM THE ENDS OF THE RADIUS.

FOR NEW ROADWAY CONSTRUCTION, THE RAMP CROSS SLOPE MAY NOT EXCEED 2.0%. FOR ALTERATIONS TO EXISTING ROADWAYS, THE CROSS SLOPE MAY BE TRANSITIONED TO MEET AN EXISTING ROADWAY GRADE. THE CROSS SLOPE TRANSITION SHALL BE APPLIED UNIFORMLY OVER THE FULL LENGTH OF THE RAMP.

THE MAXIMUM RUNNING SLOPE OF 8.3% IS RELATIVE TO A FLAT (0%) REFERENCE. HOWEVER, IT SHALL NOT REQUIRE ANY RAMP OR SERIES OF RAMPS TO EXCEED 15 FEET IN LENGTH.

DRAINAGE STRUCTURES SHOULD NOT BE PLACED IN LINE WITH RAMPS. THE LOCATION OF THE RAMP SHOULD TAKE PRECEDENCE OVER THE LOCATION OF THE DRAINAGE STRUCTURE. WHERE EXISTING DRAINAGE STRUCTURES ARE LOCATED IN THE RAMP PATH OF TRAVEL, USE A MANUFACTURER'S ADA COMPLIANT GRATE. OPENINGS SHALL NOT BE GREATER THAN $\frac{1}{2}$". ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.

TRANSITION THE GUTTER PAN CROSS SECTION SUCH THAT THE COUNTER SLOPE IN THE DIRECTION OF RAMP TRAVEL IS NOT GREATER THAN 5.0%. MAINTAIN THE NORMAL GUTTER PAN CROSS SECTION ACROSS DRAINAGE STRUCTURES.

THE TOP OF THE JOINT FILLER FOR ALL RAMP TYPES SHALL BE FLUSH WITH THE ADJACENT CONCRETE.

CROSSWALK AND STOP LINE MARKINGS, IF USED, SHALL BE SO LOCATED AS TO STOP TRAFFIC SHORT OF RAMP CROSSINGS. SPECIFIC DETAILS FOR MARKING APPLICATIONS ARE GIVEN IN THE "MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES".

FLARED SIDES WITH A SLOPE OF 10% MAXIMUM, MEASURED ALONG THE ROADSIDE CURB LINE, SHALL BE PROVIDED WHERE AN UNOBSTRUCTED CIRCULATION PATH LATERALLY CROSSES THE SIDEWALK RAMP. FLARED SIDES ARE NOT REQUIRED WHERE THE RAMP IS BORDERED BY LANDSCAPING, UNPAVED SURFACE OR PERMANENT FIXED OBJECTS. WHERE THEY ARE NOT REQUIRED, FLARED SIDES CAN BE CONSIDERED IN ORDER TO AVOID SHARP CURB RETURNS AT RAMP OPENINGS.

DETECTABLE WARNING PLATES MUST BE INSTALLED USING FABRICATED OR FIELD CUT UNITS CAST AND/OR ANCHORED IN THE PAVEMENT TO RESIST SHIFTING OR HEAVING.

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

SIDEWALK RAMP AND DETECTABLE WARNING DETAILS

9-30-2014 F.H.W.A. APPROVAL	7-1-2014 PLAN DATE	R-28-I	SHEET 7 OF 7

APPLICABLE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES

(COMPREHENSIVE DETAILS ARE LOCATED IN SECTION 6 OF THE SOIL EROSION & SEDIMENTATION CONTROL MANUAL)

A = SLOPES

B = STREAMS AND WATERWAYS

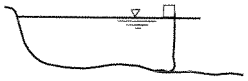
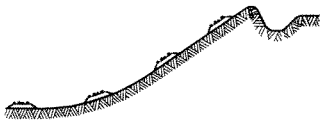
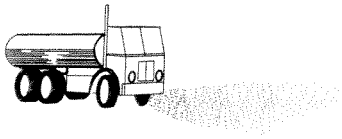
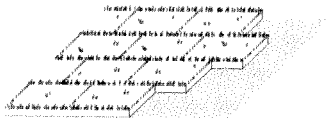
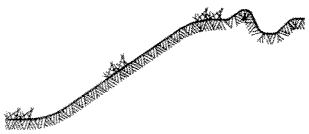
C = SURFACE DRAINAGEWAYS

D = ENCLOSED DRAINAGE (INLET & OUTFALL CONTROL)

E = LARGE FLAT SURFACE AREAS

F = BORROW AND STOCKPILE AREAS

G = DNRE PERMIT MAY BE REQUIRED

KEY	DETAIL	CHARACTERISTICS	A	B	C	D	E	F	G
1	 TURBIDITY CURTAIN	A Turbidity Curtain is used when slack water area is necessary to isolate construction activities from the watercourse. The still water area contains the sediments within the construction limits.		•					
2	 GRUBBING OMITTED	Retains existing root mat which assists in stabilizing slopes. Assists in the revegetation process by providing sprout growth. Reduces sheet flow velocities preventing rilling and gullying. Discourages off-road vehicle use.	•				•		
3	PERMANENT/TEMPORARY SEEDING	Inexpensive but effective erosion control measure to stabilize flat areas and mild slopes. Permits runoff to infiltrate soil, reducing runoff volumes. Proper preparation of the seed bed, fertilizing, mulching and watering is critical to its success.	•		•		•	•	
4	 DUST CONTROL	Dust control can be accomplished by watering, and/or applying calcium chloride. The disturbed areas should be kept to a minimum. PERMANENT/TEMPORARY SEEDING (KEY 3) should be applied as soon as possible.	•				•	•	
5	 SODDING	Provides immediate vegetative cover such as at spillways and ditch bottoms. Proper preparation of the topsoil, placement of the sod, and watering is critical to its success.	•				•	•	
6	 VEGETATED BUFFER STRIPS	Reduces sheet flow velocities preventing rilling and gullying. Assists in the collection of sediments by filtering runoff. Assists in the establishment of a permanent vegetative cover.	•				•		

MDOT Michigan Department of Transportation

PREPARED BY DESIGN DIVISION

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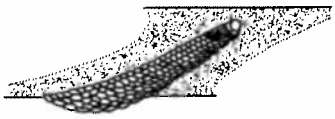
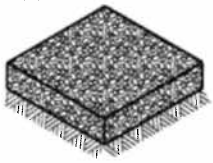
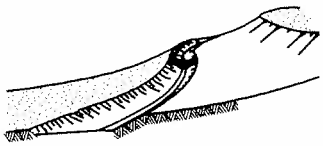
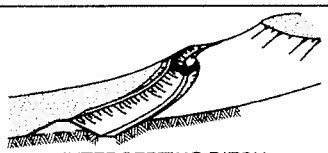
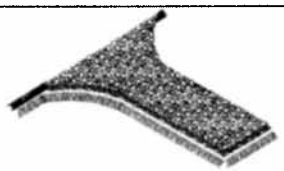
MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

SOIL EROSION & SEDIMENTATION CONTROL MEASURES

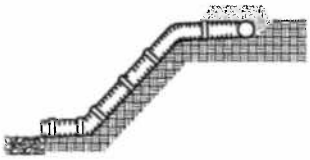
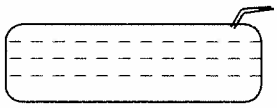
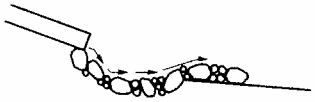
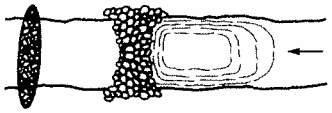
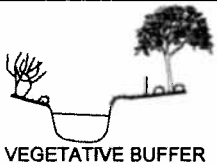
9-10-2010	6-3-2010	R-96-E	SHEET
F.H.W.A. APPROVAL	PLAN DATE		1 OF 6

KEY	DETAIL	CHARACTERISTICS	A	B	C	D	E	F	G
7	 RIPRAP	Used where vegetation cannot be established. Very effective in protecting against high velocity flows. Should be placed over a geotextile liner.	•	•	•	•			•
8	 AGGREGATE COVER	Can be used in any area where a stable condition is needed for construction operations, equipment storage or in heavy traffic areas. Reduces potential soil erosion and fugitive dust by stabilizing raw areas.	•				•	•	
9	BENCHES	Reduces sheet flow velocities preventing rilling and gullying. Assists in the collection and filtering of sediments. Provides access for stabilizing slopes.	•					•	
10	DIVERSION DIKE	Assists in the diversion of runoff to a stable outlet or sediment control device. Reduces sheet flow velocities preventing rilling and gullying. Collects and diverts runoff to properly stabilized drainage ways. Works well with INTERCEPTING DITCH (KEY 11)	•				•	•	
11	 INTERCEPTING DITCH	Assists in the diversion of runoff to a stable outlet or sediment control device. Reduces sheet flow velocities preventing rilling and gullying. Works well with DIVERSION DIKE (KEY 10)	•				•	•	
12	 INTERCEPTING DITCH AND DIVERSION DIKE	Assists in the diversion of runoff to a stable outlet or sediment control device. Reduces sheet flow velocities preventing rilling and gullying.	•				•	•	
13	GRAVEL FILTER BERM	Useful in filtering flow prior to its reentry into a lake, stream or wetland. Works well with SEDIMENT TRAP (KEY 20) and TEMPORARY BYPASS CHANNEL (KEY 35). Not to be used in lieu of a CHECK DAM (KEY 37) in a ditch.	•		•			•	
14	 GRAVEL ACCESS APPROACH	Provides a stable access to roadways minimizing fugitive dust and tracking of materials onto public streets and highways.					•	•	

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

SOIL EROSION & SEDIMENTATION CONTROL MEASURES

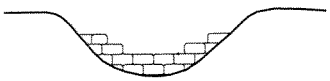
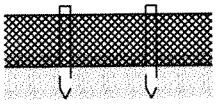
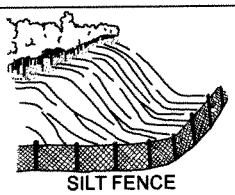
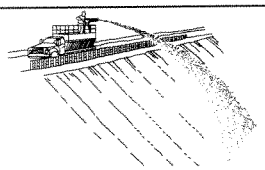
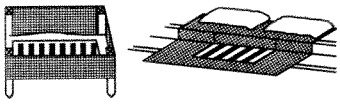
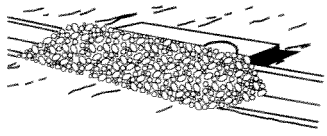
9-10-2010 F.H.W.A. APPROVAL	6-3-2010 PLAN DATE	R-96-E	SHEET 2 OF 6

KEY	DETAIL	CHARACTERISTICS	A	B	C	D	E	F	G
15	 SLOPE DRAIN SURFACE	Excellent device for carrying water down slopes without creating an erosive condition. Generally used in conjunction with DIVERSION DIKE (KEY 10), INTERCEPTING DITCH (KEY 11) and INTERCEPTING DITCH AND DIVERSION DIKE (KEY 12) to direct flow to a stable discharge area or SEDIMENT TRAP (KEY 20).	•		•				
16	TREES, SHRUBS AND PERENNIALS	Trees, shrubs and perennials can provide low maintenance long term erosion protection. These plants may be particularly useful where site aesthetics are important along the roadside slopes.	•				•		
17	PIPE DROP	Effective way to allow water to drop in elevation very rapidly without causing an erosive condition. Also works as a sediment collector device. May be left in place as a permanent erosion control device.	•		•				
18	 DEWATERING WITH FILTER BAG	It may be necessary to dewater from behind a cofferdam or construction dam to create a dry work site. Discharged water must be pumped to a filter bag. A GRAVEL FILTER BERM (KEY 13) may be placed downslope of the filter bag to provide additional filtration prior to entering any stream or wetland.		•					•
19	 ENERGY DISSIPATORS	A device to prevent the erosive force of water from eroding soils. Used at outlets of culverts, drainage pipes or other conduits to reduce the velocity of the water. Prevents structure scouring and undermining.	•	•	•	•			
20	SEDIMENT TRAP	Used to intercept concentrated flows and prevent sediments from being transported off site or into a watercourse or wetland. The size of a Sediment Trap is 5 cubic yards or less. Works well when used with CHECK DAM (KEY 37).	•		•	•			
21	 SEDIMENT BASIN	A Sediment Basin is used to trap sediments from an upstream construction site. Requires periodic inspections, repairs, and maintenance. Where practical, sediments should be contained on site. A Sediment Basin should be the last choice of sediment control. The size of a Sediment Basin is greater than 5 cubic yards.		•					•
22	 VEGETATIVE BUFFER AT WATERCOURSE	This practice is used to maintain a vegetative buffer adjacent to a watercourse. When utilized with SILT FENCE (KEY 26) it will, under normal circumstances, prevent sediment from leaving the construction site.	•	•	•		•	•	

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

SOIL EROSION & SEDIMENTATION CONTROL MEASURES

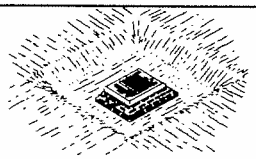
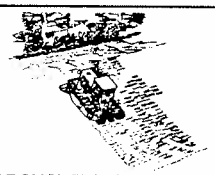
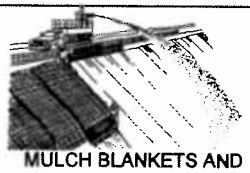
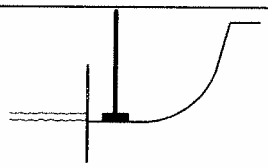
9-10-2010 F.H.W.A. APPROVAL	6-3-2010 PLAN DATE	R-96-E	SHEET 3 OF 6

KEY	DETAIL	CHARACTERISTICS	A	B	C	D	E	F	G
23	STREAM RELOCATION	A detail depicting the proper procedures for stream relocation. Maintains same width, depth, and flow velocity as the natural stream. Revegetate banks with PERMANENT/TEMPORARY SEEDING (KEY 3), MULCHING AND MULCH ANCHORING (KEY 28), MULCH BLANKETS AND HIGH VELOCITY MULCH BLANKETS (KEY 33) and woody plants to shade the stream.		•					•
24	 SAND AND STONE BAGS	Sand and stone bags are a useful tool in the prevention of erosion. Can be used to divert water around a construction site by creating a DIVERSION DIKE (KEY 10). Works well for creating a CONSTRUCTION DAM (KEY 36) and temporary culvert end fill.	•	•	•	•	•	•	•
25	 SAND FENCE AND DUNE STABILIZATION	A Sand Fence traps blowing sand by reducing wind velocities. Can be used to prevent sand from blowing onto roads. Must be maintained until sand source is stabilized.	•				•	•	
26	 SILT FENCE	A permeable barrier erected below disturbed areas to capture sediments from sheet flow. Can be used to divert small volumes of water to stable outlets. Ineffective as a filter and should never be placed across streams or ditches where flow is concentrated.	•				•	•	
27	PLASTIC SHEETS OR GEOTEXTILE COVER	Plastic Sheets can be used to create a liner in temporary channels. Can also be used to create a temporary cover to prevent erosion of stockpiled materials.	•	•	•			•	
28	 MULCHING AND MULCH ANCHORING	Anchored mulch provides erosion protection against rain and wind. Mulch must be used on seeded areas to promote water retention and growth. Should be inspected after every rainstorm and repaired as necessary until vegetation is well established.	•		•		•	•	
29	 INLET PROTECTION FABRIC DROP	Provides settling and filtering of silt laden water prior to its entry into the drainage system. Can be used in median and side ditches where vegetation will be disturbed. Allows for early use of drainage systems prior to project completion.			•		•		
30	 INLET PROTECTION GEOTEXTILE AND STONE	Provides settling and filtering of silt laden water prior to its entry into the drainage system. Should be used in paved areas where drainage structures are existing or proposed. Allows for early use of drainage systems prior to project completion.			•		•		

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

SOIL EROSION & SEDIMENTATION CONTROL MEASURES

9-10-2010 F.H.W.A. APPROVAL	6-3-2010 PLAN DATE	R-96-E	SHEET 4 OF 6

KEY	DETAIL	CHARACTERISTICS	A	B	C	D	E	F	G
31	 INLET PROTECTION SEDIMENT TRAP	An Inlet Protection Sediment Trap is a temporary device that can be used in areas where medium flows are anticipated. Effective in trapping small quantities of sediments prior to water entering the drainage system. Can be used in areas such as median and side ditches.			•		•		
32	 SLOPE ROUGHENING AND SCARIFICATION	A simple and economical way to reduce soil erosion by wind and water. Can be accomplished by harrowing with a disk, back blading, or tracking with a dozer perpendicular to the slope.	•				•	•	
33	 MULCH BLANKETS AND HIGH VELOCITY MULCH BLANKETS	Mulch blankets provide an immediate and effective cover over raw erodible slopes affording excellent protection against rain and wind erosion. High velocity mulch blankets work well for stabilizing the bottom of ditches in waterways.	•		•		•	•	
34	 COFFERDAM	Used to create a dry construction area and protect the stream from raw erodible areas. Must be pumped dry or dewatered according to DEWATERING WITH FILTER BAG (KEY 18).		•					•
35	TEMPORARY BYPASS CHANNEL	Utilized when a dry construction area is needed. Isolates stream flows from raw erodible areas minimizing erosion and subsequent siltation. Can incorporate SEDIMENT BASIN (KEY 21), CHECK DAM (KEY 37), and GRAVEL FILTER BERM (KEY 13) to remove sediments from water. Construction sequence of events may be necessary.		•					•
36	CONSTRUCTION DAM	Used to create a dry or slack water area for construction. Isolates the stream from raw erodible areas. Can be created out of any non-erodible materials such as SAND AND STONE BAGS (KEY 24), a gravel dike with clay core or plastic liner, steel plates or plywood.		•					•
37	CHECK DAM	Can be constructed across ditches or any area of concentrated flow. Protects vegetation in early stages of growth. A Check Dam is intended to reduce water velocities and capture sediment. A Check Dam is not a filtering device.	•		•			•	

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

SOIL EROSION & SEDIMENTATION CONTROL MEASURES

9-10-2010 F.H.W.A. APPROVAL	6-3-2010 PLAN DATE	R-96-E	SHEET 5 OF 6

NOTES:

THIS STANDARD PLAN WILL SERVE AS A KEY IN THE SELECTION OF THE APPROPRIATE SOIL EROSION AND SEDIMENTATION CONTROL DETAILS. THIS PLAN ALSO PROVIDES THE KEY TO THE NUMBERED EROSION CONTROL ITEMS SPECIFIED ON THE CONSTRUCTION PLANS. REFER TO THE MDOT SOIL EROSION & SEDIMENTATION CONTROL MANUAL, SECTION 6 FOR SPECIFIC DETAILS, CONTRACT ITEMS (PAY ITEMS), AND PAY UNITS.

COLLECTED SILT AND SEDIMENT SHALL BE REMOVED PERIODICALLY TO MAINTAIN THE EFFECTIVENESS OF THE SEDIMENT TRAP, SEDIMENT BASIN, AND SILT FENCE. AGGREGATES PLACED IN STREAMS SHOULD CONTAIN A MINIMUM OF FINES.

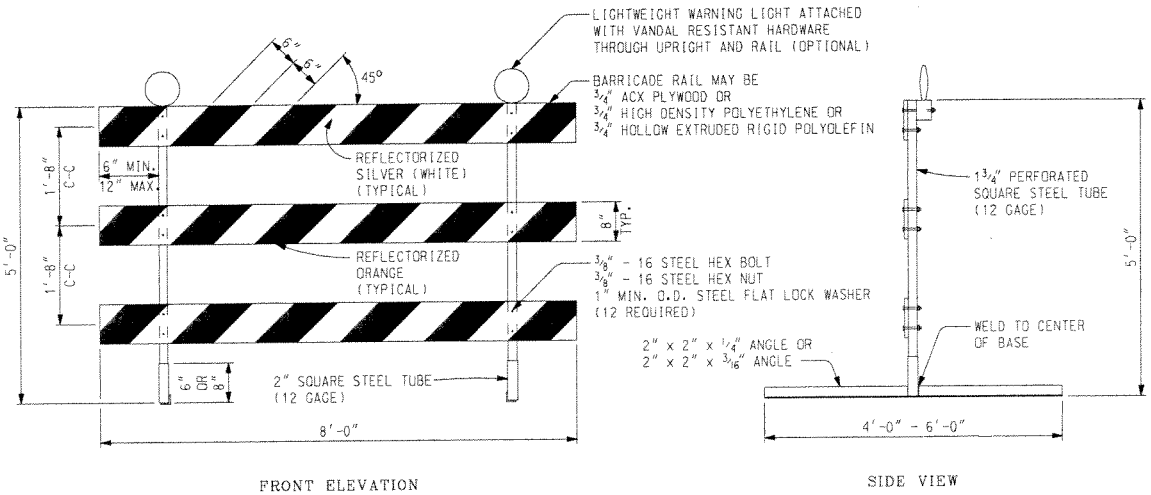
TEMPORARY EROSION AND SEDIMENTATION CONTROL PROVISIONS SHALL BE COORDINATED WITH THE PERMANENT CONTROL MEASURES TO ASSURE EFFECTIVE CONTROL OF SEDIMENTS DURING CONSTRUCTION OF THE PROJECT.

ALL TEMPORARY EROSION CONTROL DEVICES SHALL BE REMOVED AFTER VEGETATION ESTABLISHMENT OR AT THE DISCRETION OF THE ENGINEER. CARE SHALL BE TAKEN DURING REMOVAL TO MINIMIZE SILTATION IN NEARBY DRAINAGE COURSES.

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

SOIL EROSION & SEDIMENTATION CONTROL MEASURES

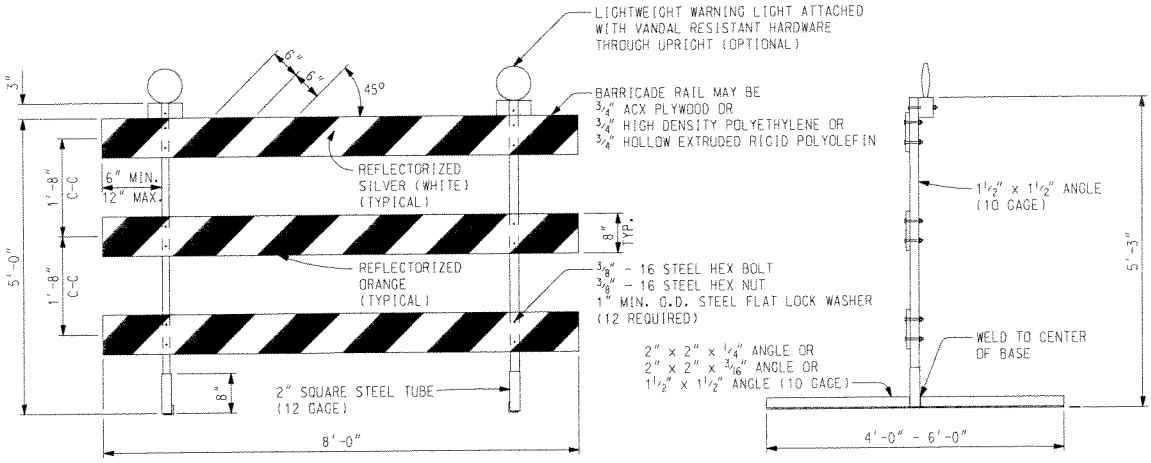
9-10-2010 F.H.W.A. APPROVAL	6-3-2010 PLAN DATE	R-96-E	SHEET 6 OF 6



FRONT ELEVATION

SIDE VIEW

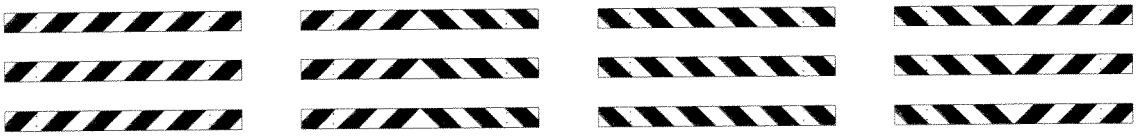
PERFORATED SQUARE STEEL TUBE OPTION



FRONT ELEVATION

SIDE VIEW

ANGLE IRON OPTION



LEFT DIRECTIONAL

BI-DIRECTIONAL

RIGHT DIRECTIONAL

CLOSURES

BARRICADE RAIL SHEETING OPTIONS
TYPE III BARRICADES

Other Type III Barricades meeting current NCHRP crash worthy criteria can be found on the FHWA Safety website at http://safety.fhwa.dot.gov/roadway_dept/road_hardware/wzd.htm

NOT TO SCALE

File: T&S/Typ/Signs/WorkZones/wzd 125 d Rev. 09/22/09 PJ

MDOT Michigan Department of Transportation

PREPARED BY TRAFFIC AND SAFETY

DRAWN BY: ECH

CHECKED BY: MWB

ENGINEER OF DELIVERY

ENGINEER OF DEVELOPMENT

(SPECIAL DETAIL)

FHWA APPROVAL DATE

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS DELIVERY STANDARD PLAN FOR

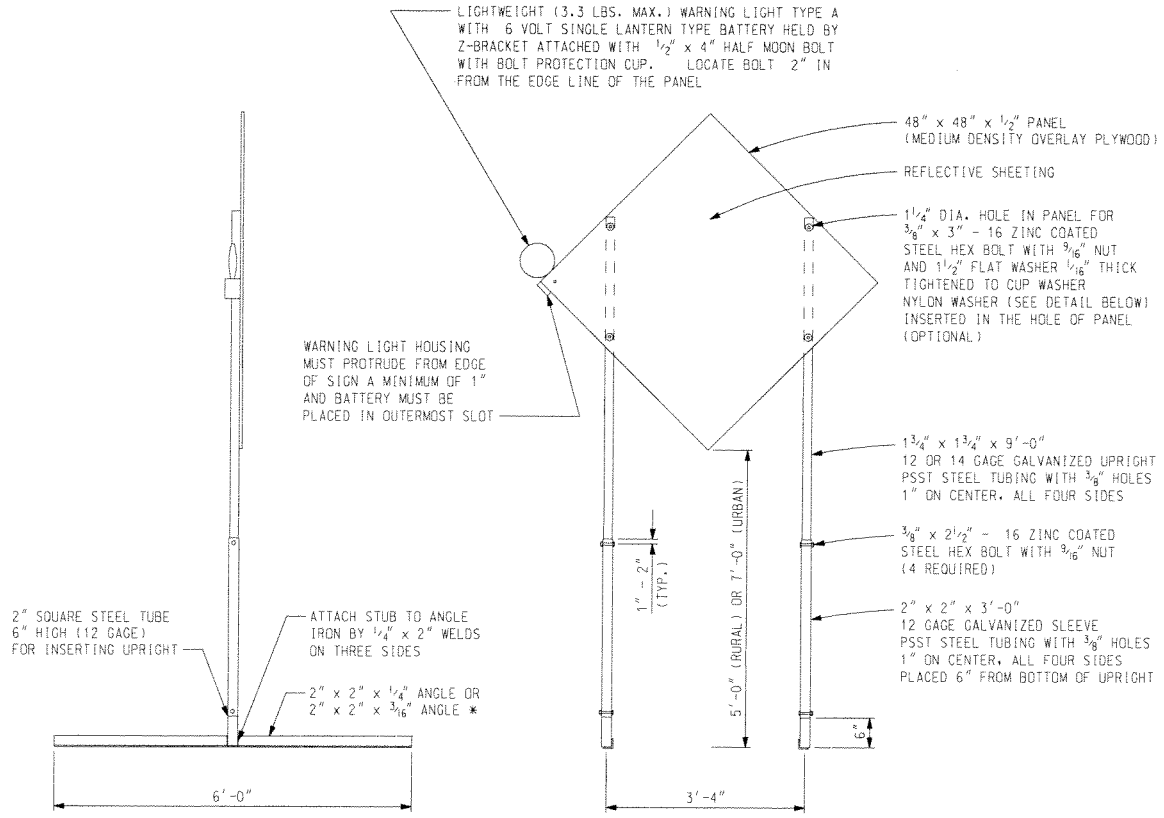
Temporary Traffic Control Devices

9/22/09 PLAN DATE

WZD-125-E

SHEET 1 of 3

NOTE: THE ORIGINAL SIGNED COPY IS KEPT ON FILE AT THE MICHIGAN DEPARTMENT OF TRANSPORTATION.



SIDE VIEW

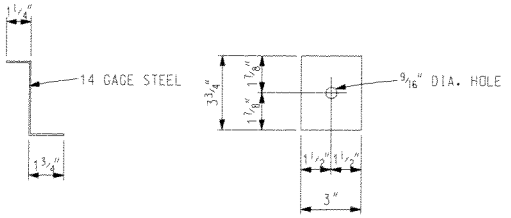
FRONT ELEVATION

TEMPORARY SIGN SUPPORT

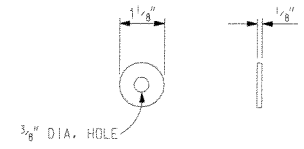
(WARNING LIGHT PLACED ON SIDE CLOSEST TO TRAFFIC)

* SIGN STAND IS BALLASTED WITH FOUR OR MORE 35 LB SANDBAGS. A MINIMUM OF ONE ON EACH END.

UPRIGHTS SHALL NOT EXTEND ABOVE THE SIGN PANEL.



Z-BRACKET DETAIL



OPTIONAL NYLON WASHER

Other temporary sign supports meeting current NCHRP crash worthy criteria can be found on the FHWA Safety website at http://safety.fhwa.dot.gov/roadway_dept/road_hardware/wzd.htm

NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAYS DELIVERY STANDARD PLAN	(SPECIAL DETAIL) FHWA APPROVAL DATE	9/22/09 PLAN DATE	WZD-125-E	SHEET 2 of 3
File: T&S/Typ/Signs/WorkZones/wzd 125 d	Rev. 09/22/09 PJ			

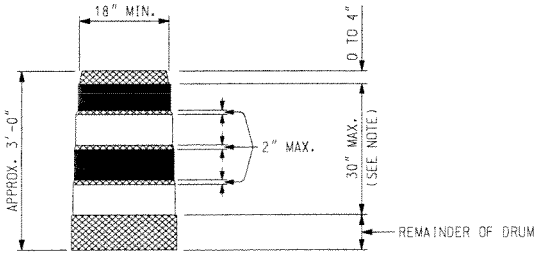
NOTE: THE ORIGINAL SIGNED COPY IS KEPT ON FILE AT THE MICHIGAN DEPARTMENT OF TRANSPORTATION.

PLASTIC DRUM

PROPOSED TYPE III BARRICADE

EXISTING TYPE III BARRICADE

SYMBOLS TO BE USED ON PLANS



REFLECTORIZED ORANGE

REFLECTORIZED WHITE

NON REFLECTORIZED ORANGE

NOTE:
DRUMS SHALL HAVE AT LEAST 4 HORIZONTAL REFLECTORIZED STRIPES (2 ORANGE AND 2 WHITE) OF 6" UNIFORM WIDTH, ALTERNATING IN COLOR WITH THE TOPMOST REFLECTORIZED STRIPE BEING ORANGE. NON REFLECTORIZED SPACES BETWEEN THE HORIZONTAL REFLECTORIZED ORANGE AND WHITE STRIPES SHALL BE ORANGE IN COLOR AND EQUAL IN WIDTH.

PLASTIC DRUM

NOTES:

2" PERFORATED SQUARE STEEL TUBES MAY BE USED TO FABRICATE THE HORIZONTAL BASE OF THE TYPE III BARICADE.

WARNING LIGHTS SHALL BE PLACED ACCORDING TO THE CURRENT STANDARD SPECIFICATIONS FOR CONSTRUCTION AND ALL OTHER PROVISIONS IN THE CONTRACT WHEN THEY ARE USED ON TYPE III BARRICADES.

SEE ROAD STANDARD PLANS R-113-SERIES FOR TEMPORARY CROSSOVERS FOR DIVIDED ROADWAY, AND R-126-SERIES FOR TYPICAL LOCATION AND SPACING OF PLASTIC DRUMS FOR PLACEMENT OF TEMORARY CONCRETE BARRIER.

SIGNS, BARRICADES, AND PLASTIC DRUMS SHALL BE FACED WITH PRESSURE-SENSITIVE REFLECTIVE SHEETING ACCORDING TO THE CURRENT STANDARD SPECIFICATIONS FOR CONSTRUCTION.

SANDBAGS SHALL BE USED WHEN SUPPLEMENTAL WEIGHTS ARE REQUIRED TO ACHIEVE STABILITY OF THE BARRICADE. THE SANDBAGS SHALL BE PLACED SO THEY WILL NOT COVER OR OBSTRUCT ANY REFLECTIVE PORTION OF THE TRAFFIC CONTROL DEVICE.

NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAYS DELIVERY STANDARD PLAN	(SPECIAL DETAIL) FHWA APPROVAL DATE	9/22/09 PLAN DATE	WZD-125-E	SHEET 3 of 3
File: T&S/Typ/Signs/WorkZones/wzd 125 d	Rev. 09/22/09 PJ			

NOTE: THE ORIGINAL SIGNED COPY IS KEPT ON FILE AT THE MICHIGAN DEPARTMENT OF TRANSPORTATION.

Howard Fink

From: Rushlow, Jacob [jacob.rushlow@ohm-advisors.com]
Sent: Monday, July 13, 2015 1:41 PM
To: Howard Fink
Subject: FW: Main Street project estimates 1 of 2
Attachments: Main St CDBG SW 90 pct Plans.pdf; Main St CDBG SW 90 pct Costs.pdf

Howard,

My original message (see below) was larger than your e-mail server allows so I am splitting it into two messages. This first one should have the plans and cost opinion.

Jacob

From: Rushlow, Jacob
Sent: Monday, July 13, 2015 11:39 AM
To: 'Nathan Voght'; 'Howard Fink'; 'Gary Streight (streightg@wcroads.org)'
Cc: Smith, Bryan
Subject: RE: Main Street project estimates

Good morning all. Attached you will find the 90% submittal of design plans, contract specifications, and opinion of construction cost. You will notice in the contract specifications we have left out dates for bidding and construction for now until we have a better idea of how long the environmental review process will take. I would also like to mention that this cost opinion has been updated with unit prices based on numbers we have been seeing in recent bids this summer for similar scope and size projects. Compared to 2014 bids we have been seeing about a 20% increase on average in prices for concrete projects.

Once you've had a chance to review these documents we can setup a date & time to meet to go over any comments and/or revisions. Thank you!

JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

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F 734.522.6427
D 734.466.4517
C 734.812.7154

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From: Rushlow, Jacob
Sent: Friday, July 10, 2015 3:57 PM
To: 'Nathan Voght'; Howard Fink; Gary Streight (streightg@wcroads.org)
Cc: Smith, Bryan
Subject: RE: Main Street project estimates

Nathan,

Thank you for the feedback on the updated alignment. Over the past couple weeks we have been proceeding with the full 90% complete design plans, specifications, and opinion of construction cost. We will be ready to transmit those documents to everyone for review on Monday.

Without having received a response to the cost information for the rapid flashing beacon or the stamped concrete crosswalk we did not included those items with the 90% documents. If the funding is available to include those items they can be added but we did not want to proceed with the extra effort to include items that were not confirmed by the entire project team.

We did not run a cost estimate for just plain concrete as a crossing material. I do not believe it would add much value to the motorist as it would have little texture difference and would essentially provide the same visual (white color) difference as the pavement markings. Just for a comparison though we would estimate the plain concrete to be around $1,200. The use of concrete for the sidewalk crossing would really be up to the WCRC and if they would allow it to be used.

Let me know if you have any question or comments next week once you have a chance to go over the full 90% documents.

Thanks and have a good weekend!

JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

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From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Friday, July 10, 2015 2:57 PM
To: Rushlow, Jacob; Howard Fink; Gary Streight (streightg@wcroads.org)
Cc: Smith, Bryan
Subject: RE: Main Street project estimates

All,

I think the 90% drawings seem fine. The mid-block moved north seems good. Relocating the sidewalk away from the street, where possible, is also safer.

Has anyone decided if any of the upgrades can be funded? I'm assuming that the CDBG will not allow these extras? So, would the Township be able to make up the difference?

Gary, do you see any problem with dropping in a concrete crossing of some kind? Are there feasible detour routes? Are the traffic control detour costs accurate?

One thing I didn't see priced was just straight concrete for the crosswalk. I'm guessing it will be only slightly lower than colored, though?

Thanks, everyone.

Nathan Voght, AICP
Brownfield Redevelopment Coordinator
ReImagine Washtenaw Project Manager

Office of Community & Economic Development
415 W. Michigan Avenue, Suite 2200
Ypsilanti, Michigan 48197
http://www.ewashtenaw.org/

734-544-3055 (direct office)
734-660-1061 (cell)

From: Rushlow, Jacob [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, June 23, 2015 12:29 PM
To: Nathan Voght; Howard Fink; Gary Streight (streightg@wcroads.org)
Cc: Smith, Bryan
Subject: Main Street project estimates

At our 30% review meeting there were a couple construction items you asked that we look into and provide a cost. Those were the addition of a stamped, colored concrete for the mid-block crossing and the inclusion of rapid flashing beacons to alert approaching motorists of the mid-block crossing. Based on recent publicly bid projects we found the following average unit prices:

Flashing Beacon, Rectangular Rapid, Solar Power = $5,000 each
We would need a minimum of 2 for this application adding $10,000 to the project cost.

The colored concrete is a little more involved because of the costs for pavement removal, excavation under the pavement and addition of new aggregate base material, and the need for additional traffic control measures with a detour to allow the proper curing time on the concrete.

Pavement, Removal = $100
Concrete, 7", Stamped, Colored = $1500
Aggregate Base, 8", 21AA Limestone = $300
Traffic Control Detour = $5,000
Total for these concrete related items would add $6,900 to the project cost.

We are glad to include any of these items into the project but wanted to provide these preliminary opinions of cost prior to moving forward with any plan changes. Note that both of these items will also need Road Commission approval as they will both be located within the public road right-of-way. Please feel free to call or e-mail with any questions or to discuss how you'd like to proceed. Thanks!

JACOB A. Rushlow, PE
PROJECT MANAGER

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D 734.466.4517
C 734.812.7154

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TOWNSHIP OF NORTHFIELD

IN COOPERATION WITH

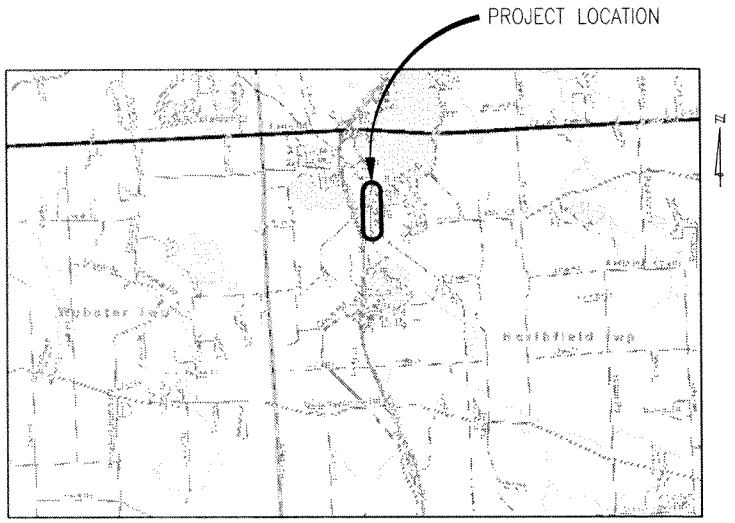
WASHTENAW COUNTY

OFFICE OF COMMUNITY AND ECONOMIC DEVELOPMENT

MAIN STREET CDBG SIDEWALK

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	COVER
2	GENERAL NOTES
3	LEGEND
4-5	CONSTRUCTION PLAN
6-7	GRADING PLAN
8	PAVEMENT MARKINGS
9	SOIL EROSION AND SEDIMENTATION CONTROL

M.D.O.T. STANDARD PLANS	
TITLE	PLAN NO.
SIDEWALK RAMP DETAILS	R-28-I
SOIL EROSION AND SEDIMENTATION CONTROL	R-96-E
TEMPORARY TRAFFIC CONTROL DEVICES	WZD-125-E



LOCATION MAP

N.T.S.

BOARD MEMBERS

MARILYN ENGSTROM
• SUPERVISOR •

ANGELA WESTOVER
• CITY CLERK •

KATHY BRAUN
• TREASURER •

WAYNE DOCKETT
JACKI OTTO
TRACY THOMAS
JANET CHICK
• TRUSTEES •

HOWARD FINK
MANAGER •

DRAFT NOT FOR CONSTRUCTION

CONTRACT FOR: APPROXIMATELY 950 FEET OF 5 FOOT WIDE CONCRETE SIDEWALK ALONG THE EAST SIDE OF MAIN STREET LINKING THE EXISTING SIDEWALK AT THE WESTBROOK APARTMENT COMPLEX TO THE WHITMORE LAKE MIDDLE SCHOOL.

OHM

Advancing Communities

34000 Plymouth Road | Livonia, MI 48150
p (734) 522-6711 | f (734) 522-6427

PREPARED UNDER THE SUPERVISION OF:

53603
Registration No.

JACOB RUSHLOW — Date

REVISIONS

PROJECT NO.	SHEET NO.
0161-15-0020	1 OF 9

GENERAL PROVISIONS

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE PROPOSAL AND ACCOMPANYING SPECIFICATIONS FOR THIS PROJECT INCLUDING THE 2012 MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, AASHTO'S 2011 A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS.

THE LOCATION OF ALL PUBLIC UTILITIES SHOWN ON THESE PLANS IS TAKEN FROM THE BEST AVAILABLE DATA. THE WASHTENAW COUNTY ROAD COMMISSION AND NORTHFIELD TOWNSHIP WILL NOT BE RESPONSIBLE FOR ANY OMISSION OR VARIATION FROM THE LOCATIONS SHOWN. PURSUANT TO ACT 53 OF THE P.A. OF 1974, AS A CONDITION OF THIS CONTRACT, NOTICE SHALL BE GIVEN TO MISS DIG PRIOR TO UNDERGROUND WORK TO BE PERFORMED IN ACCORDANCE WITH THIS CONTRACT, PHONE (800) 482-7171 OR 811. UTILITY SERVICE CONNECTIONS ARE NOT SHOWN ON THE PLANS AND ARE NOT THE RESPONSIBILITY OF THE ROAD COMMISSION.

THE ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON NAVD 1988 VERTICAL DATUM.

APPLICATION DATE	PERMITS	APPROVAL DATE
	WCWRC SOIL EROSION PERMIT	
	WCRC R.O.W. PERMIT	

GENERAL PROVISIONS

THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND THE NORTHFIELD TOWNSHIP DESIGN STANDARDS EXCEPT AS NOTED HEREIN AND IN THE PROPOSAL BOOK.

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN SUCH A MANNER TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL CODES FOR NOISE LEVELS, VIBRATIONS, OR ANY OTHER RESTRICTIONS WHILE REMOVING PAVEMENT OR FOR ANY OTHER CONSTRUCTION OPERATIONS WITHIN THIS CONTRACT TO BE INCLUDED IN THE RESPECTIVE ITEM OF WORK.

THE CONTRACTOR SHALL NOT ENTER UPON PRIVATE PROPERTY FOR ANY PURPOSE WITHOUT OBTAINING WRITTEN PERMISSION, AND HE/SHE SHALL BE RESPONSIBLE FOR PRESERVATION OF ALL PUBLIC PROPERTY, TREES, MONUMENTS, ETC. ALONG AND ADJACENT TO THE STREET AND/OR RIGHT OF WAY, AND SHALL USE EVERY PRECAUTION NECESSARY TO PREVENT DAMAGE OR INJURY THERETO. HE/SHE SHALL USE SUITABLE PRECAUTIONS TO PREVENT DAMAGE TO PIPES, CONDUITS, AND OTHER UNDERGROUND STRUCTURES AND SHALL PROTECT CAREFULLY FROM DISTURBANCE OR DAMAGE ALL MONUMENTS AND PROPERTY MARKERS UNTIL THE ENGINEER OR AUTHORIZED AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION AND SHALL NOT REMOVE THEM UNTIL DIRECTED.

THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE LOCAL FIRE AND POLICE DEPARTMENTS 24 HOURS IN ADVANCE OF CONSTRUCTION PHASING REQUIRED FOR WORK SUCH AS FOR SEWER, CULVERT CROSSINGS AND ROADWAY EXCAVATION.

UTILITIES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, THE CONTRACTOR SHALL DIAL 1-800-482-7171, OR 811, A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM. UTILITY LOCATIONS SHOWN ON THE PLANS ARE ONLY APPROXIMATE AND SHOULD BE LOCATED IN THE FIELD BEFORE EXCAVATING IN THE AREA.

TELEPHONE

AT&T
54 N. MILL ST/BOX 35
PONTIAC, MI 48342
PHONE: (248) 456-8751
EMAIL: gl2968@att.com

CABLE

CHARTER COMMUNICATIONS
ATTN: DAN BIELACZYC
1592 TRADE CENTER DRIVE
TRAVERSE CITY, MI 49686
PHONE: (231) 941-3819
EMAIL: dan.bielaczyc@charter.com

ELECTRIC TRANSMISSION

DTE, ELECTRIC
8001 HAGGERTY ROAD
BELLEVILLE, MI 48111
PHONE: (734) 397-4321
EMAIL: swpd@dteenergy.com

SEWER

NORTHFIELD TOWNSHIP WWTP
ATTN: TIM HARDESTY
1150 LEMEN ROAD
WHITMORE LAKE, MI 48189
PHONE: (734) 449-4158
EMAIL: hardestyt@ntwp.northfield.mi.us

GAS

CONSUMER'S ENERGY
ATTN: MARTHA DIBLASE
530 WILLOW STREET
LANSING, MI 48909
PHONE: (517) 373-6100
EMAIL: martha.diblase@cmsenergy.com

SOIL BORINGS AND/OR PAVEMENT CORES

THE SOIL BORING LOCATION ON THE CONSTRUCTION SHEETS REPRESENTS POINT INFORMATION. PRESENTATION OF THIS INFORMATION IN NO WAY INFERS THAT SUBSURFACE CONDITIONS ARE THE SAME AT LOCATIONS OTHER THAN THE EXACT LOCATION OF THE BORING. SOIL BORING LOGS CAN BE FOUND ON APPENDIX A OF THE CONTRACT BOOK.

DUST CONTROL

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON THIS PROJECT. KEEPING DUST TO A MINIMUM IS HIGH PRIORITY AND WILL BE EXPECTED TO BE MAINTAINED ON A REGULAR BASIS. DUST CONTROL WILL BE CONSIDERED INCIDENTAL TO THE PROJECT.

SAWCUTS

THE CONTRACTOR SHALL SAWCUT THE EXISTING CONCRETE AND/OR HMA PAVEMENT AND DRIVEWAYS TO THE LIMITS OF PROPOSED CONSTRUCTION, TO MAKE A NEAT AND SMOOTH CONNECTION TO THE EXISTING PAVEMENT OR DRIVEWAY AS REQUIRED AND DIRECTED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE BID FOR OTHER REMOVAL ITEMS.

FLAGGING OPERATIONS

THE CONTRACTOR AND ANY SUBCONTRACTORS WHO WILL BE USING A FLAGGING OPERATION FOR THIS PROJECT SHALL BE REQUIRED TO PROVIDE SATISFACTORY DOCUMENTATION PROVING THAT THEY HAVE MET THE MINIMUM REQUIREMENTS SET FORTH IN SECTION 812 OF THE 2012 MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION. FAILURE TO PROVIDE DOCUMENTATION WILL RESULT IN THE ROAD AUTHORITY WITHHOLDING PAYMENT FOR FLAGGING OPERATIONS.

ALL FLAGGING, SIGNAGE AND TYPE III BARRICADES SHALL BE PLACED DURING CONSTRUCTION AND SHALL BE PAID FOR AS "Traffic Control".

TREE REMOVAL

CONTRACTOR SHALL MEET ENGINEER IN FIELD TO DETERMINE AND FINALIZE ALL TREE REMOVALS AND CLEARING LIMITS PRIOR TO COMMENCING WORK.

MISCELLANEOUS

SANITARY SEWER AND MANHOLES SHOWN ON THE PLANS ARE FROM RECORD PLAN INFORMATION. IT IS BELIEVED THAT THE SANITARY MANHOLES ARE BURIED AND THESE MANHOLES WILL NEED TO BE ADJUSTED OR RECONSTRUCTED TO MATCH THE PROPOSED FINISHED GRADES.

ANY SEWER AND/OR CURB STOP BOXES LOCATED IN SIDEWALK OR DRIVEWAYS SHALL BE ADJUSTED TO MEET PROPOSED ELEVATIONS.

LAWN SPRINKLER SYSTEMS AND LANDSCAPING

IT IS NOT ANTICIPATED THAT THERE IS EXISTING IRRIGATION. HOWEVER, OWNERS OF EXISTING LAWN SPRINKLER SYSTEMS AND/OR LANDSCAPING SHALL BE NOTIFIED (IN WRITING WITH A COPY SENT TO THE ENGINEER) BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF ANY WORK TO BE DONE THAT WILL AFFECT THOSE SYSTEMS AND/OR LANDSCAPING. IF THE PROPERTY OWNER FAILS TO RELOCATE THE LAWN SPRINKLER SYSTEM PRIOR TO THE CONTRACTOR BEGINNING WORK, AND IF THE CONTRACTOR CUTS THE SYSTEM DURING CONSTRUCTION, THE CONTRACTOR SHALL CAP THE SYSTEM PIPE AND WITNESS THE LOCATION OF THE CAP WITH A WOODEN STAKE FOR THE PROPERTY OWNERS USE. THE CONTRACTOR SHALL PLACE THE SALVAGED SPRINKLER HEADS ON THE PROPERTY OWNERS PROPERTY. IF THE PROPERTY OWNER FAILS TO RELOCATE THE LANDSCAPING PRIOR TO THE CONTRACTOR BEGINNING WORK, THE CONTRACTOR SHALL CAREFULLY SALVAGE THE LANDSCAPING ITEMS AND STOCKPILE THEM ON THE PROPERTY OWNERS PROPERTY FOR THE PROPERTY OWNER. ANY OTHER MODIFICATION TO THE LAWN SPRINKLER SYSTEMS AND/OR LANDSCAPING, IS THE RESPONSIBILITY OF THE OWNER AND IS NOT PART OF THIS CONTRACT. THIS WORK AND ALL REQUIRED COMMUNICATION AND COORDINATION WITH THE OWNER IS INCLUDED IN THE MACHINE GRADING PAY ITEM.

EARTHWORK & GRADING

THE CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIAL AT A SITE OUTSIDE OF THE PROJECT LIMITS, OR AS APPROVED BY THE ENGINEER. NO SEPARATE PAYMENT WILL BE MADE FOR LOADING, HAULING, OR DISPOSING OF THE EXCAVATED UNSUITABLE MATERIALS, BUT SHALL BE INCLUDED IN THE COST OF STATION GRADING.

ALL NATURAL SOIL LEFT IN PLACE, IN CUT SECTIONS, SHALL BE COMPACTED TO NOT LESS THAN 95 PERCENT OF MODIFIED PROCTOR TO A MINIMUM DEPTH OF 12 INCHES.

THROUGHOUT THE PROJECT, NO UNDERCUTS OR TRENCHES WILL BE LEFT OPEN AND UNBACKFILLED DURING EACH NIGHT OR NON-WORKING HOURS.

SAWING FOR PAVEMENT REMOVAL SHALL BE INCLUDED IN THE ITEM OF PAVEMENT AND SIDEWALK REMOVAL.

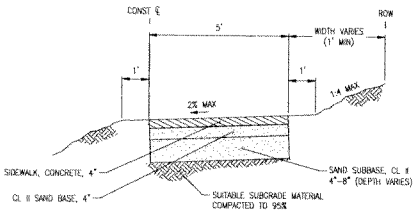
ALL SLOPES SHALL BE FINISHED AS CLASS A SLOPES. BACKFILL BEHIND ALL PROPOSED CURB WITH SOUND EARTH FILL AS SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER IS INCLUDED IN THE PLAN QUANTITY FOR STATION GRADING.

HOURS OF OPERATION

WORK MAY BE PERFORMED DURING THE HOURS OF 7:00 AM TO 7:00 PM, MONDAY THROUGH SATURDAY ONLY. WORK AT OTHER TIMES MAY BE PERFORMED ONLY BY WRITTEN PERMISSION OF THE OWNER.

QUANTITIES THIS SHEET

TOTAL	UNIT	DESCRIPTION
1	EA	Mobilization, Max 10%
1	LS	Traffic Control
100	FT	Irrigation Line
10	EA	Remove and Reset Irrigation Head
1	LS	Turf Establishment
1	LS	Unsuitable Undercut Recognized Survey



TYPICAL CONCRETE SIDEWALK CROSS-SECTION

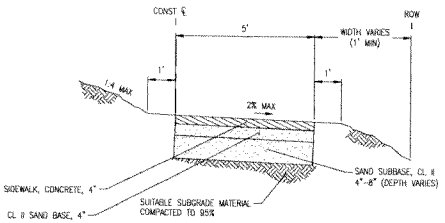
NTS

APPLIES: STA 100+00 TO STA 100+44

STA 0+00 TO STA 2+29
STA 2+29 TO STA 2+44 TRANS 2% RUNOUT

STA 2+87 TO STA 3+95
STA 3+95 TO STA 4+10 TRANS 2% RUNOUT

STA 8+85 TO STA 9+03



TYPICAL CONCRETE SIDEWALK CROSS-SECTION

NTS

APPLIES: STA 103+75 TO STA 100+95

STA 2+44 TO STA 2+72
STA 2+72 TO STA 2+87 TRANS 2% RUNOUT

STA 4+10 TO STA 8+83

NOTES:
CONCRETE THICKNESS SHALL BE INCREASED TO 6" IN DRIVEWAY CROSSINGS AND RAMPS.
SUBBASE DEPTH VARIES, SEE LETTER OF GEOTECHNICAL INVESTIGATION BY G2 CONSULTING GROUP, DATED 7/1/2015.

OHM
ARCHITECTS ENGINEERS PLANNERS
34000 Plymouth Road
Livonia, MI 48150
P (734) 522-6711 | F (734) 522-6427
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SHEET	DATE	REVISIONS

COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
GENERAL NOTES

SHEET 2 OF 9

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WATER & SEWER UTILITY SYMBOLS

EXISTING

- STORM MANHOLE
- SQUARE CATCH BASIN
- ROUND CATCH BASIN
- CULVERT
- CULVERT W/O END SECTION
- CULVERT W/END SECTION
- SANITARY MANHOLE
- CLEAN OUT
- GATE VALVE & WELL
- GATE VALVE & BOX
- WATER STOP BOX
- FIRE HYDRANT
- METER PIT
- WATER METER
- SPRINKLER HEAD
- IRRIGATION VALVE

PROPOSED

- STORM MANHOLE
- INLET/CATCH BASIN
- CULVERT END SECTION
- SANITARY MANHOLE
- GATE VALVE & WELL
- GATE VALVE & BOX
- TAPPING SLEEVE VALVE & WELL
- TAPPING SLEEVE VALVE & BOX
- FIRE HYDRANT

REAL ESTATE SYMBOLS

- CONTIGUOUS PROPERTY SYMBOL
- PARCEL NUMBER BOX
- NO ROW IMPACTS

MISCELLANEOUS UTILITY SYMBOLS

EXISTING

- GUY WIRE
- GUY POLE
- UTILITY POLE
- UTILITY POLE W/LIGHT
- LIGHT/DECOR LAMP POLE
- FLOOD LIGHT
- GAS VALVE
- GAS VENT
- GAS METER
- GAS RISER
- TRAFFIC SIGNAL
- PEDESTRIAN RISER
- TRANSFORMER PAD
- PRIVATE UTILITY MANHOLE
- RAILROAD CROSSING
- ELECTRIC METER
- PHONE BOOTH
- TRAFFIC SIGNAL CONTROLLER
- HAND HOLE
- ELECTRIC RISER
- TELEPHONE RISER
- CABLE TV RISER
- MONITORING WELL
- UNDERGROUND MARKER

MISCELLANEOUS SYMBOLS

EXISTING

- RIPRAP
- SIGN
- FLOW DIRECTION
- STUMP
- WETLAND
- CONIFEROUS TREE (D. 1 1" TO 5", D. 2 6" TO 17", D. 3 18" TO 35", D. 4 36" AND UP)
- DECIDUOUS TREE (D. 1 1" TO 5", D. 2 6" TO 17", D. 3 18" TO 35", D. 4 36" AND UP)
- CONIFEROUS SHRUB
- DECIDUOUS SHRUB
- SOIL BORING
- SECTION CORNER
- MONUMENT
- IRON ROD/PIPE
- PK NAIL
- BENCHMARK
- TRAVERSE POINT
- MAIL/NEWSPAPER BOX
- FLAG POLE
- POST
- HAZARDOUS OR FLAMMABLE MATERIAL — USED WITH UNDERGROUND GAS & ELECTRICAL LINES
- CAUTION – CRITICAL UNDERGROUND UTILITY — USED WITH TELEPHONE & FIBER OPTIC LINES

PROPOSED

- RIPRAP
- SIGN
- FLOW DIRECTION
- STRUCTURE NUMBER (WM SAN STM)
- ADA SIDEWALK RAMP

UTILITY PATTERN

EXISTING

- ELECTRICAL *
- 6" (COMPANY) GAS — GAS\OIL
- (COMPANY) CABLE/TEL — CABLE/TELEPHONE *
- FIBER OPTIC — FIBER OPTIC *
- 12" WM — WATER
- 12" SAN — SANITARY
- 12" STM — STORM

PROPOSED

- 12" — STORM/SANITARY/WATER
- 12" — PRIMARY UTILITY WILL HAVE A CONTINUOUS LINESTYLE, WITH THE SECONDARY UTILITY MATCHING ITS RESPECTIVE EXISTING UTILITY LINESTYLE

*OH = OVERHEAD , UG = UNDERGROUND

ROW PATTERN

EXISTING

- ROW
- SECTION
- PROPERTY/PARCEL

PROPOSED

- ROW

TOPO PATTERN

EXISTING

- HEDGE/TREE
- FENCE
- GUARDRAIL
- CENTERLINE OF DITCH
- RAILROAD
- WETLAND/EDGE OF WATER

PROPOSED

- GRADING LIMIT (SLOPE STAKE)
- CENTERLINE OF DITCH
- GUARDRAIL
- FENCE

REMOVAL LEGEND

- SIDEWALK REMOVAL
- HMA SURFACE REMOVAL
- PAVEMENT REMOVAL
- COLD MILLING HMA SURFACE
- HMA BASE CRUSHING AND SHAPING
- EXCAVATION, EARTH, MODIFIED
- CURB AND GUTTER, REM
- TREE, REM
- S-[XXXXXX] SALVAGE
- B-[XXXXXX] BULKHEAD
- A-[XXXXXX] ABANDON
- R-[XXXXXX] REMOVE
- ADJ-[XXXXXX] ADJUST
- REL-[XXXXXX] RELOCATE
- REC-[XXXXXX] RECONSTRUCT
- R B/O-[XXXXXX] REMOVE BY OTHERS
- ADJ B/O-[XXXXXX] ADJUST BY OTHERS
- REL B/O-[XXXXXX] RELOCATE BY OTHERS

IF NECESSARY FOR CLARITY

- (S) SALVAGE
- (B) BULKHEAD
- (A) ABANDON
- (C) CLEARING
- (R) REMOVE
- (REL) RELOCATE
- (REC) RECONSTRUCT
- (REL B/O) RELOCATE BY OTHERS
- (ADJ B/O) ADJUST BY OTHERS

SPECIAL LEGEND

- (L) LANDING
- (R) RAMP

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COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
LEGEND

SHEET 3 OF 8

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DRAWING PATH: P:\2015\0151\0002_main st cdbg_sidewalk\Drawings\Civil\Misc\150151000CIV01-LEG.dwg Jul 13, 2015 - 10:57am

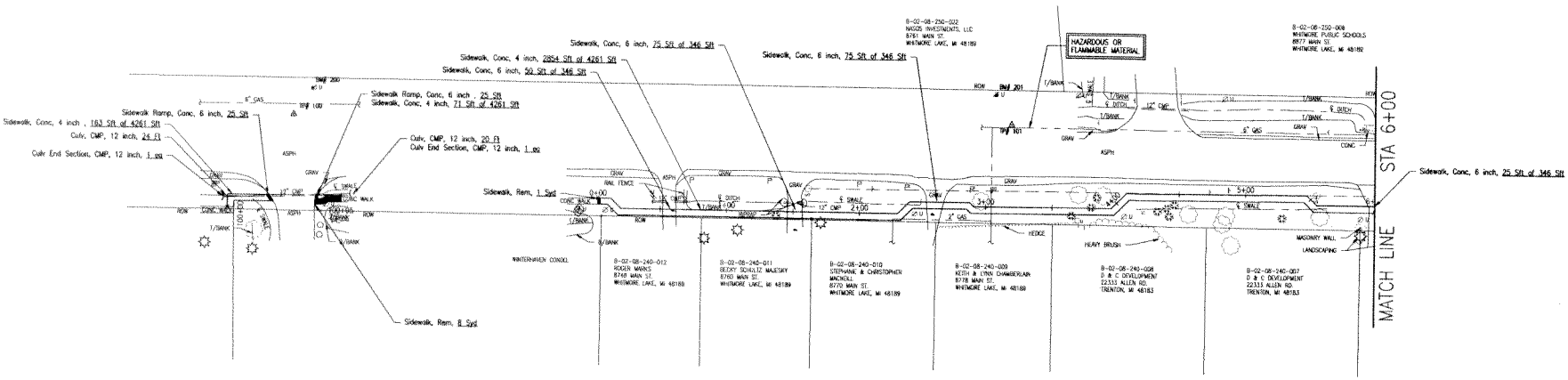
JOB BENCHMARK #100
SET BENCH TIE IN THE E SIDE OF WD UTILITY POLE, W SIDE OF MAIN ST, 1'ST POLE N OF "CAR QUEST" AUTO PARTS.
ELEV 909.34

JOB BENCHMARK #201
SET BENCH TIE IN E SIDE OF WD UTIL POLE, W SIDE OF MAIN ST, IN FRONT OF "AAA SERVICE NETWORK" BLDG.
ELEV 908.20

TRAVERSE POINT #100
N 332458.42
E 1329686860.51 ELEV 908.71

TRAVERSE POINT #101
N 332680.20
E 1329686861.42 ELEV 908.02

MAIN STREET
(100' R.O.W.)



EXISTING STRUCTURE ADJUST / RECONSTRUCT SCHEDULE

STA	OFFSET	STRUCTURE TYPE	CASTING ELEVATION		ADJUST OR RECONSTRUCT
			EXISTING	PROPOSED	
1+59	18' L	SAN – MH	BURIED	908.47	RECONSTRUCT
5+49	5' L	SAN – MH	BURIED	907.27	RECONSTRUCT

QUANTITIES THIS SHEET

TOTAL	UNIT	DESCRIPTION
1.7	Sta	Street Grading
8	Syd	Pvmt, Rem
9	Syd	Sidewalk, Rem
44	Ft	Culv, CMP, 12 inch
2	Ea	Culv End Sect, CMP, 12 inch
2	Ea	Reconstruct Sanitary Structure
1.15	Ton	Bitml Substruc, 4E III
1081	Sft	Sidewalk, Conc, 4 inch
50	Sft	Sidewalk Ramp, Conc, 6 inch
229	Sft	Sidewalk, Conc, 6 inch

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COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
CONSTRUCTION PLAN

SHEET 4 OF 8

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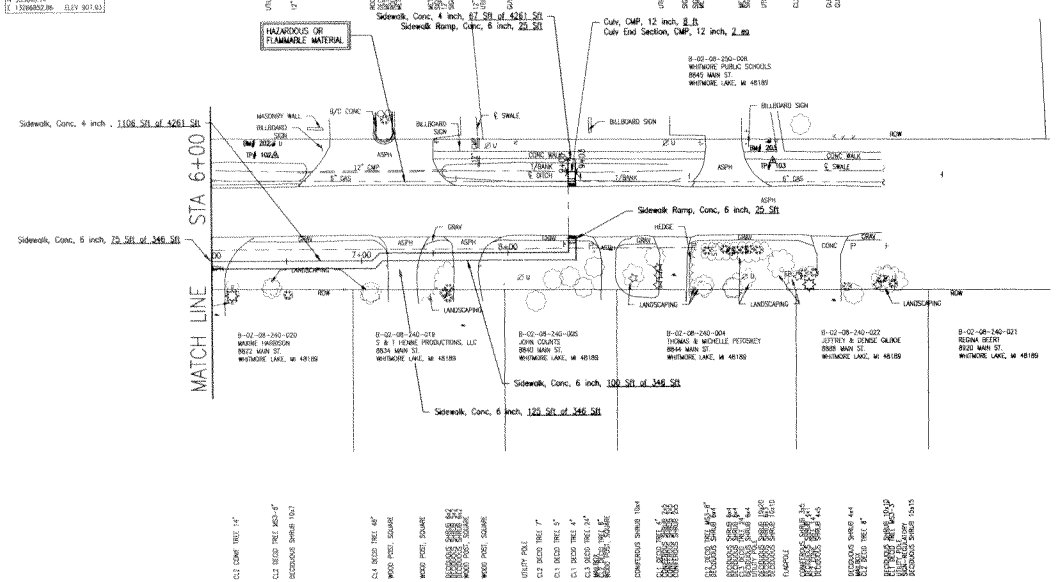
JOB BENCHMARK #202
SET BENCH TIE E SIDE MD UTIL POLE W SIDE OF MAIN ST. 157 POLE S OF MAIN ENT TO "WHITMORE LAKE" SCHOOL
ELEV 907.60

JOB BENCHMARK #203
SET COSTON SPINDLE W/ YELLOW TAG E SIDE MD UTIL POLE W SIDE MAIN ST. 157 POLE N OF h ENT TO "WHITMORE LAKE" SCHOOL
ELEV 908.79

TRAVERSE POINT #102
N 333212.82
E 1328884.84 ELEV 908.94

TRAVERSE POINT #103
N 333645.14
E 1328682.86 ELEV 907.83

MAIN STREET
(100' R.O.W.)



QUANTITIES THIS SHEET

TOTAL	UNIT	DESCRIPTION
2.7	Sta	Station Shading
1	Eyd	Dust Ram
8	Ft	Culv, CMP, 12 inch
2	Ea	Culv End Sect, CMP, 12 Inch
47	Ton	Conc Subbase, Cl. II
1073	Sft	Sidewalk, Conc, 4 inch
75	Sft	Sidewalk Ramp, Conc, 6 inch
300	Sft	Sidewalk, Conc, 6 inch

ZZ

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COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
CONSTRUCTION PLAN

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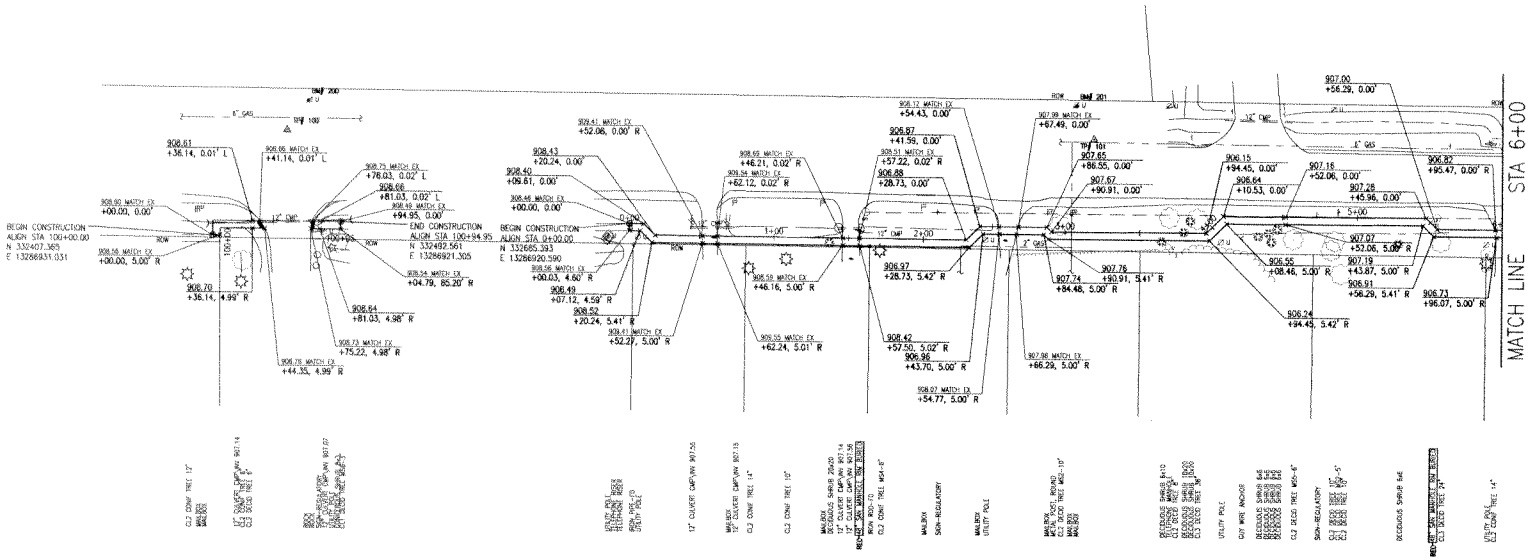
MAIN STREET
(100' R.O.W.)



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COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
GRADING PLAN

SHEET 6 OF 8

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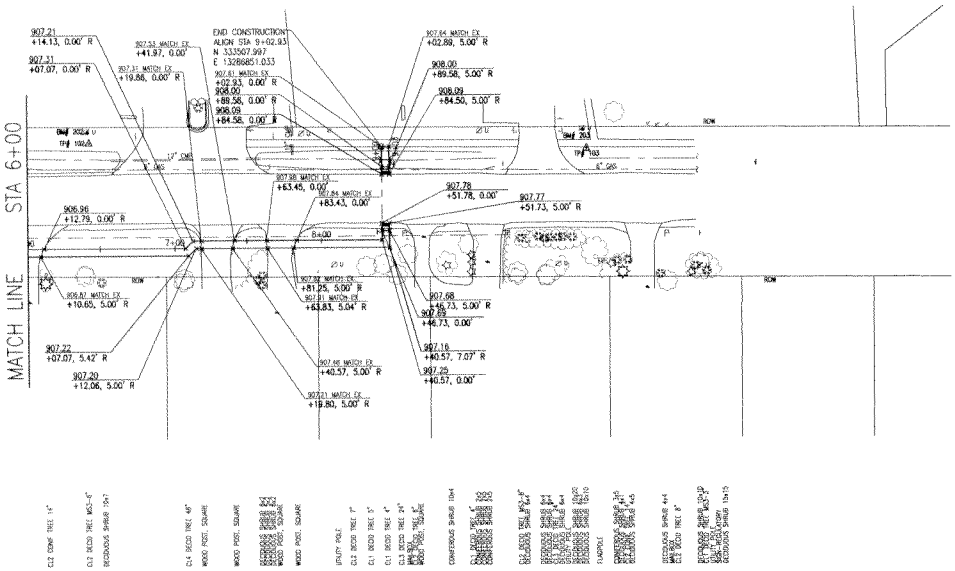
JOB BENCHMARK #202
SET BENCH TIE 1 SIDE WD UTIL POLE
N SIDE OF MAIN ST, 1ST POLE S OF
MAIN ENT TO "WHITMORE LAKE" SCHOOL
ELEV 907.80

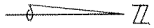
JOB BENCHMARK #203
SET COTTON SPINDLE W/ YELLOW TAG
E SIDE WD UTIL POLE, N SIDE MAIN
ST, 1ST POLE N OF N ENT TO
"WHITMORE LAKE" SCHOOL
ELEV 908.75

TRAVERSE POINT #102
N 333312.92
E 1328984.84 ELEV 906.94

TRAVERSE POINT #103
N 333645.14
E 1328852.86 ELEV 907.81

MAIN STREET
(100' R.O.W.)





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COUNTY OF WASHTENAW
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GRADING PLAN

SHEET 7 OF 8

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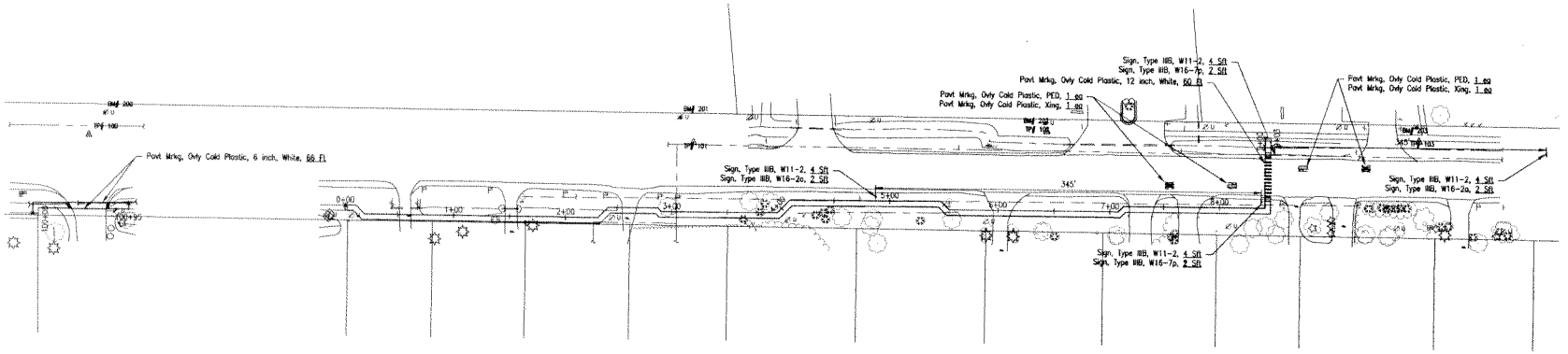
JOB BENCHMARK #202
SET BENCH DI E SIDE MD UTIL POLE, W SIDE OF MAIN ST. 1ST POLE S OF MAIN ENT TO "WHITMORE LAKE" SCHOOL ELEV 907.80
JOB BENCHMARK #203
SET CUTTON SPIKE W/ YELLOW TAG E SIDE MD UTIL POLE, W SIDE MAIN ST. 1ST POLE N OF N ENT TO "WHITMORE LAKE" SCHOOL ELEV 908.75
TRAVERSE POINT #102
N 333312.82
E 13298847.84 ELEV 909.94
TRAVERSE POINT #103
N 333640.14
E 13298852.86 ELEV 907.93

MAIN STREET
(100' R.O.W.)



SIGNING PLAN				
SIGN TYPE	DESCRIPTION	SIZE (SFT)	QUANTITY	TOTAL SFT
W11-2	PEDESTRIAN WARNING	4	4	16
W16-2a	345 FT PLAQUE	2	2	4
W16-7p	DIAGONAL ARROW PLAQUE	2	2	4

QUANTITIES THIS SHEET

TOTAL	UNIT	DESCRIPTION
32	Ft	Post, Steel, 3 lb
16	Sft	Sign, Type IIIB
66	Ft	Pavt Mrkg, Ovly Cold Plastic, 6 inch, White
60	Ft	Pavt Mrkg, Ovly Cold Plastic, 12 inch, White
2	Ea	Pavt Mrkg, Ovly Cold Plastic, Ped
2	Ea	Pavt Mrkg, Ovly Cold Plastic, Xing

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COUNTY OF WASHTENAW
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PAVEMENT MARKINGS

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SHEET 8 OF 9

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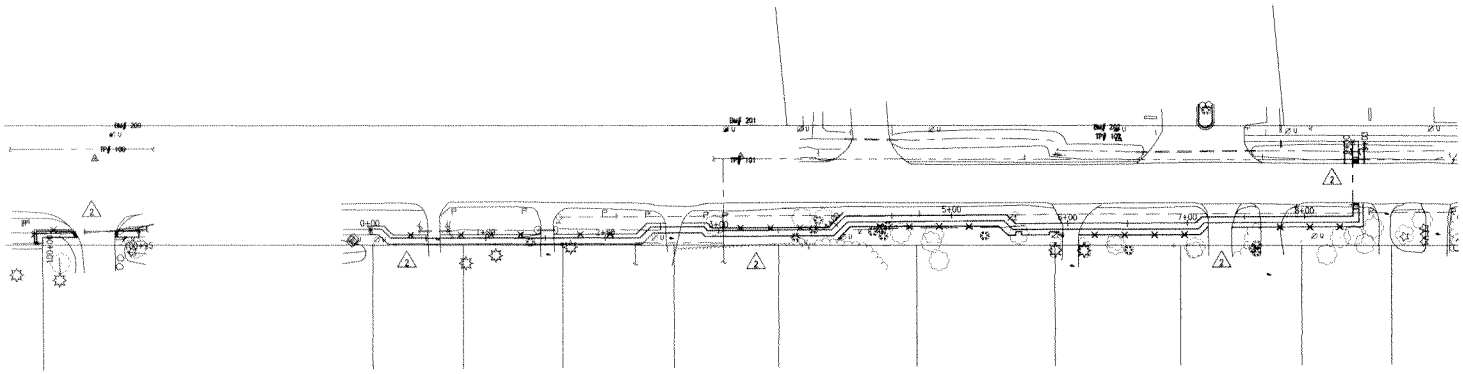
JOB BENCHMARK @202
SET BENCH TIE E SIDE MID V/H POLE, W SIDE OF MAIN ST. 150' POLE S OF MAIN ENT TO "WHITMORE LAKE" SCHOOL
ELEV 907.80

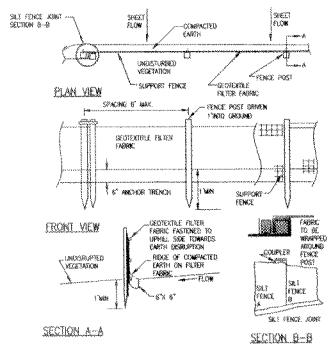
JOB BENCHMARK @203
SET COTTON SPINDLE W/ YELLOW TAG E SIDE MID UTL POLE, W SIDE MAIN ST. 150' POLE N OF N ENT TO "WHITMORE LAKE" SCHOOL
ELEV 906.72

TRAVERSE POINT @102
N 333312.62
E 1329884.84 ELEV 908.84

TRAVERSE POINT @103
N 333640.14
E 1329852.26 ELEV 907.93

MAIN STREET
(100' R.O.W.)





SILT FENCE (SP-2)
N.T.S.

QUANTITIES THIS SHEET

TOTAL	UNIT	DESCRIPTION
1721	FT	Temporary Construction Silt Fence

CONSTRUCTION SEQUENCE

1. REMOVE TREES AND BRUSH.
2. INSTALL SOIL EROSION CONTROL MEASURES.
3. REMOVE EXISTING PAVEMENT.
4. ROUGH GRADE AREA.
5. INSTALL PROPOSED SIDEWALK.
6. FINAL GRADING.
7. STABILIZE GROUND W/ VEGETATION AS NEEDED WITHIN FIVE DAYS OF COMPLETION OF FINAL GRADING.

NOTES

CONTRACTOR SHALL COMPLY WITH REQUIREMENTS OF THE SOIL EROSION AND SEDIMENTATION CONTROL ACT OF THE STATE OF MICHIGAN, PART 91 OF ACT 451, OF THE PUBLIC ACTS OF 1994; WASHTENAW COUNTY WATER RESOURCES COMMISSIONER.

1. THE CONTRACTOR SHALL CONDUCT OPERATIONS IN A MANNER THAT WILL REDUCE ACCELERATED EROSION TO THE PRACTICAL MINIMUM AND PREVENT DAMAGING SILTATION TO EXISTING SEWERS AND WATER COURSES LEAVING FROM THE WORK SITE.
2. THE CONTRACTOR SHALL CONDUCT WORK IN SUCH A MANNER AS TO PREVENT THE ENTRY OF FUELS, OILS, BITUMINOUS MATERIALS, CHEMICALS, SEWERAGE OR OTHER HARMFUL MATERIALS INTO NEARBY LAKES AND STREAMS.
3. WASTE DISPOSAL AREAS SHALL BE SELECTED BY THE CONTRACTOR WITH FULL CONSIDERATION OF EROSION AND SEDIMENT CONTROL. SELECTION OF DISPOSAL SITE, AND CONTROL OF OPERATIONS, AND THE RESTORATION OF SAID AREAS SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
4. EXCAVATION FROM THE RIGHT-OF-WAY, CHANNELS, OR OTHER MATERIAL SHALL NOT BE DEPOSITED IN OR NEAR RIVERS, STREAMS OR PONDS WHERE IT MAY ENTER THE WATERWAY.
5. AT THE COMPLETION OF EACH DAYS CONSTRUCTION, CARE SHALL BE TAKEN TO ENSURE THAT MINIMAL EROSION WILL OCCUR IN TRENCHES AND TO STOCKPILED MATERIALS UNTIL RESUMPTION OF WORK.
6. CONTRACTOR SHALL CONFINE OPERATIONS TO THE MINIMUM AMOUNT OF WORKING SPACE PRACTICAL TO MINIMIZE SOIL EROSION.
7. THE PROJECT WILL BE CONTINUALLY INSPECTED BY THE ENGINEER FOR EROSION CONTROL COMPLIANCE. DEFICIENCIES WILL BE CORRECTED BY THE CONTRACTOR IMMEDIATELY UPON NOTICE OF SUCH DEFICIENCIES. FAILURE TO CORRECT THE DEFICIENCIES MAY RESULT IN THE ISSUANCE OF A STOP WORK ORDER AND THERE WILL BE NO CONTRACT TIME EXTENSION FOR THIS ISSUED STOPPAGE.
8. TEMPORARY SOIL EROSION CONTROL MEASURES CONSISTING OF SILT FENCE, MULCHING, AND INLET FILTER TRAPS SHALL BE IMPLEMENTED THROUGHOUT THE ENTIRE CONSTRUCTION PHASE OF THE PROJECT, AND SHALL BE REMOVED BY THE CONTRACTOR AFTER THE PERMANENT SOIL EROSION MEASURES HAVE BEEN COMPLETED.
9. MULCH BLANKET OR HIGH VELOCITY MULCH BLANKET WITH NETTING TIE DOWN OR OTHER APPROVED MULCH SYSTEM SHALL BE PLACED ON DISTURBED SLOPES WHERE DIRECTED BY THE ENGINEER WHEN THE WORK IS PERFORMED DURING THE PERIOD FROM OCTOBER 1ST THROUGH APRIL 15TH. ALL SLOPES GREATER THAN 1V:6H (16%) SHALL BE STABILIZED WITH MULCH BLANKET.
10. PERMANENT SOIL EROSION MEASURES CONSISTING OF THM MIXTURE SEED AND MULCH BLANKET SHALL BE COMPLETED WITHIN 15 CALENDAR DAYS OF FINAL GRADING. IN THE EVENT IT IS NOT POSSIBLE TO PERMANENTLY STABILIZE THE AREA DUE TO SEASONAL LIMITATIONS, THE TEMPORARY MEASURES SHALL REMAIN IN FORCE AND SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL SUCH TIME AS IT IS PRACTICAL TO COMPLETE THE PERMANENT CONTROL MEASURES.
11. THE ENGINEER SHALL HAVE FULL AUTHORITY TO TEMPORARILY SUSPEND WORK IN THE EVENT THAT ANY OF THE ABOVE REQUIREMENTS ARE NOT BEING MET BY THE CONTRACTOR, OR IF CONDITIONS INDICATE THAT ADDITIONAL TEMPORARY CONTROL MEASURES ARE WARRANTED.
12. THE CONTRACTOR SHALL CLEAN OUT SEDIMENT TRAPS, INLET FILTERS, AND CHECK DAMS ON A BI-WEEKLY BASIS OR AS REQUIRED AFTER RAIN EVENTS.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STREET SWEEPING AND DUST CONTROL.

LEGEND
- MDOT SOIL EROSION SPEC.
- INLET FILTER
- GEOTEXTILE SILT FENCE

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COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
SOIL EROSION AND SEDIMENTATION CONTROL

SHEET 9 OF 9

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DRAWING PATH: P:\2015\015015000\Plans\Soil_Erosion_Sedimentation_Control\SESC.dwg, 3/13/2015 10:15:51 AM

OPINION OF PROBABLE CONSTRUCTION COST

ORCHARD, HILTZ & McCLIMENT, INC.
34000 Plymouth Road, Livonia, Michigan, 48150
Telephone: (734) 522-6711 FAX: (734) 466-4557

PROJECT: Main Street CDBG Sidewalk
LOCATION: Northfield Township
WORK: Sidewalk

DATE: July 8, 2015
PROJECT #: 0161-15-0020
ESTIMATOR: BJS
CHECKED BY: JR
CURRENT ENR: JR

ITEM CODE	DESCRIPTION	UNIT	TOTAL	UNIT PRICE	COST
1047150	Mobilization, Max 10%	Ea	1	$ 7,500.00	$ 7,500.00
8507151	Digital Video Recorded Survey	LS	1	$ 1,000.00	$ 1,000.00
2040050	Pavt, Rem	Syd	24	$ 45.00	$ 1,080.00
2040055	Sidewalk, Rem	Syd	9	$ 30.00	$ 270.00
2037102	Station Grading	Sta	9.4	$ 2,000.00	$ 18,800.00
2080036	Erosion Control, Silt Fence	Ft	929	$ 4.00	$ 3,716.00
4017101	Culv, CMP, 12 inch	Ft	35	$ 100.00	$ 3,500.00
4017150	Culv End Sect, CMP, 12 inch	Ea	4	$ 45.00	$ 180.00
5017131	Sand Subbase, CL II	Ton	156	$ 30.00	$ 4,680.00
8037310	Sidewalk Ramp, Conc, 6 inch	Sft	100	$ 15.00	$ 1,500.00
8037210	Sidewalk, Conc, 4 inch	Sft	4132	$ 6.00	$ 24,792.00
8037410	Sidewalk, Conc, 6 inch	Sft	525	$ 8.00	$ 4,200.00
8087150	Remove and Reset Irrigation Head	Ea	10	$ 50.00	$ 500.00
8087101	Irrigation Line	Ft	100	$ 3.00	$ 300.00
1047251	Traffic Control	LS	1	$ 5,000.00	$ 5,000.00
8110025	Pavt Mrkg, Ovly Cold Plastic, 6 inch, White	Ft	66	$ 4.00	$ 264.00
8110042	Pavt Mrkg, Ovly Cold Plastic, 12 inch, White	Ft	60	$ 7.00	$ 420.00
8110046	Pavt Mrkg, Ovly Cold Plastic, Ped	Ea	2	$ 200.00	$ 400.00
8110047	Pavt Mrkg, Ovly Cold Plastic,ing	Ea	2	$ 200.00	$ 400.00
8100405	Sign, Type IIIB	Sft	16	$ 70.00	$ 1,120.00
8100371	Post, Steel, 3 lb	Ft	32	$ 35.00	$ 1,120.00
4037150	Reconstruct Sanitary Structure	Ea	2	$ 3,000.00	$ 6,000.00
8167151	Turf Establishment	LS	1	$ 5,000.00	$ 5,000.00
					$ 91,742.00
	TOTAL OPINION OF PROBABLE CONSTRUCTION COST =				**$ 91,742.00**

Howard Fink

From: Nathan Voght [voghtn@ewashtenaw.org]
Sent: Friday, July 24, 2015 10:30 AM
To: Terry Brinkman
Cc: Mirada C. Jenkins; Brett Lenart; Stephen Wade; 'Rushlow, Jacob'; Howard Fink
Subject: Environmental Assessment for Northfield Twp. CDBG Sidewalk

Terry,

Below is a link on our server to the 90% engineering drawings for the Northfield Twp. CDBG-funded sidewalk project. Please begin your Environmental Assessment on this project.

The goal is to be ready to send this project out for bid towards the end of 2015 or January 2016, in order to begin construction in the spring of 2016.

M:\Housing and Community Infrastructure\ReImagine Washtenaw Ave\Projects\Northfield Twp CDBG Sidewalk 2015\Main St CDBG SW 90 pct Plans 7-13-15.pdf

Thank you!

Nathan Voght, AICP
Brownfield Redevelopment Coordinator
ReImagine Washtenaw Project Manager

Washtenaw County Office of Community & Economic Development
415 W. Michigan Avenue, Suite 2200
Ypsilanti, Michigan 48197
http://www.ewashtenaw.org/

734-544-3055 (direct office)
734-660-1061 (cell)

Jennifer Carlisle

From: Nathan Voght [voghtn@ewashtenaw.org]
Sent: Friday, July 24, 2015 10:23 AM
To: 'Rushlow, Jacob'; Howard Fink; Smith, Bryan
Cc: Jennifer Carlisle
Subject: RE: Main Street 90% Plan Review Meeting

Jacob,

I checked with staff here, and they indicated that it was the original intent that the project be bid through the County. So, please update the bid documents accordingly.

I'll contact my Purchasing Dep't about specific requirements about the procurement process.

Thx,

Nathan

From: Rushlow, Jacob [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Monday, July 20, 2015 11:47 AM
To: Nathan Voght; Howard Fink; Smith, Bryan
Cc: Jennifer Carlisle
Subject: RE: Main Street 90% Plan Review Meeting

Nathan,

I spoke with the Township and it looks like we can meet at Township Hall on Wednesday at 9:00 AM. We will bring a full size set of drawings to review together with you and to receive comments. Thank you for your attention to this 90% review and we will push this forward to keep the project on schedule through design!

Jacob

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Monday, July 20, 2015 10:33 AM
To: Rushlow, Jacob; Howard Fink; Smith, Bryan
Cc: Jennifer Carlisle
Subject: RE: Main Street 90% Plan Review Meeting

Let's get this meeting set up so we can finalize the plans. That will allow us to turn it over for the required Environmental Assessment, which will take at least 90 days. We can't bid this out until after the 90 days...

I'm no longer available Thurs. morning at 8:30, but could meet 10:30 to noon. I'm also now only available Wed. morning, or afternoon before 2:30 p.m.

Thx,

Nathan Voght, AICP
Brownfield Redevelopment Coordinator
ReImagine Washtenaw Project Manager

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415 W. Michigan Avenue, Suite 2200

Ypsilanti, Michigan 48197
http://www.ewashtenaw.org/

734-544-3055 (direct office)
734-660-1061 (cell)

From: Rushlow, Jacob [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Wednesday, July 15, 2015 2:24 PM
To: Howard Fink; Nathan Voght; Smith, Bryan
Cc: Jennifer Carlisle
Subject: Main Street 90% Plan Review Meeting

Howard,

I would like to setup a meeting with our team to go over the 90% review comments with you and Nathan. I coordinated with Nathan and here are a few dates/times that work well for our schedules next week. Let me know what is best for you and we will get it scheduled. Thanks!

Wednesday 7/22 afternoon between 2:30 and 5:00
Thursday 7/23 morning at 8:30 or afternoon between 2:30 and 4:00

JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

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Jennifer Carlisle

From: Rushlow, Jacob [jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, July 28, 2015 1:06 PM
To: Nathan Voght; Howard Fink; Smith, Bryan
Cc: Jennifer Carlisle
Subject: RE: Main Street 90% Plan Review Meeting

Thanks Nathan. We can work to update those contract documents. I will just need some of the specifics from your department regarding the procurement process before we begin.

Jacob

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Friday, July 24, 2015 10:23 AM
To: Rushlow, Jacob; Howard Fink; Smith, Bryan
Cc: Jennifer Carlisle
Subject: RE: Main Street 90% Plan Review Meeting

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Sent: Monday, July 20, 2015 11:47 AM
To: Nathan Voght; Howard Fink; Smith, Bryan
Cc: Jennifer Carlisle
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Jacob

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Monday, July 20, 2015 10:33 AM
To: Rushlow, Jacob; Howard Fink; Smith, Bryan
Cc: Jennifer Carlisle
Subject: RE: Main Street 90% Plan Review Meeting

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I'm no longer available Thurs. morning at 8:30, but could meet 10:30 to noon. I'm also now only available Wed. morning, or afternoon before 2:30 p.m.

Thx,

Nathan Voght, AICP
Brownfield Redevelopment Coordinator
ReImagine Washtenaw Project Manager

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Ypsilanti, Michigan 48197
http://www.ewashtenaw.org/

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From: Rushlow, Jacob [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Wednesday, July 15, 2015 2:24 PM
To: Howard Fink; Nathan Voght; Smith, Bryan
Cc: Jennifer Carlisle
Subject: Main Street 90% Plan Review Meeting

Howard,

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Wednesday 7/22 afternoon between 2:30 and 5:00
Thursday 7/23 morning at 8:30 or afternoon between 2:30 and 4:00

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Howard Fink

From: Howard Fink [finkh@twp.northfield.mi.us]
Sent: Thursday, August 20, 2015 1:02 PM
To: Jennifer Carlisle (carlislej@twp.northfield.mi.us)
Subject: FW: Main Street project estimates 1 of 2
Attachments: Main St CDBG SW 90 pct Plans.pdf; Main St CDBG SW 90 pct Costs.pdf

Howard Fink
Northfield Township Manager
8350 Main St., Ste. A
Whitmore Lake, MI 48189
Phone: (734) 449-2880 x 12
Fax: (734) 449-0123

From: Rushlow, Jacob [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Monday, July 13, 2015 1:41 PM
To: Howard Fink
Subject: FW: Main Street project estimates 1 of 2

Howard,

My original message (see below) was larger than your e-mail server allows so I am splitting it into two messages. This first one should have the plans and cost opinion.

Jacob

From: Rushlow, Jacob
Sent: Monday, July 13, 2015 11:39 AM
To: 'Nathan Voght'; 'Howard Fink'; 'Gary Streight (streightg@wcroads.org)'
Cc: Smith, Bryan
Subject: RE: Main Street project estimates

Good morning all. Attached you will find the 90% submittal of design plans, contract specifications, and opinion of construction cost. You will notice in the contract specifications we have left out dates for bidding and construction for now until we have a better idea of how long the environmental review process will take. I would also like to mention that this cost opinion has been updated with unit prices based on numbers we have been seeing in recent bids this summer for similar scope and size projects. Compared to 2014 bids we have been seeing about a 20% increase on average in prices for concrete projects.

Once you've had a chance to review these documents we can setup a date & time to meet to go over any comments and/or revisions. Thank you!

JACOB A. Rushlow, PE
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From: Rushlow, Jacob
Sent: Friday, July 10, 2015 3:57 PM
To: 'Nathan Voght'; Howard Fink; Gary Streight (streightg@wcroads.org)
Cc: Smith, Bryan
Subject: RE: Main Street project estimates

Nathan,

Thank you for the feedback on the updated alignment. Over the past couple weeks we have been proceeding with the full 90% complete design plans, specifications, and opinion of construction cost. We will be ready to transmit those documents to everyone for review on Monday.

Without having received a response to the cost information for the rapid flashing beacon or the stamped concrete crosswalk we did not included those items with the 90% documents. If the funding is available to include those items they can be added but we did not want to proceed with the extra effort to include items that were not confirmed by the entire project team.

We did not run a cost estimate for just plain concrete as a crossing material. I do not believe it would add much value to the motorist as it would have little texture difference and would essentially provide the same visual (white color) difference as the pavement markings. Just for a comparison though we would estimate the plain concrete to be around $1,200. The use of concrete for the sidewalk crossing would really be up to the WCRC and if they would allow it to be used.

Let me know if you have any question or comments next week once you have a chance to go over the full 90% documents.

Thanks and have a good weekend!

JACOB A. Rushlow, PE
PROJECT MANAGER

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From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Friday, July 10, 2015 2:57 PM
To: Rushlow, Jacob; Howard Fink; Gary Streight (streightg@wcroads.org)
Cc: Smith, Bryan
Subject: RE: Main Street project estimates

All,

I think the 90% drawings seem fine. The mid-block moved north seems good. Relocating the sidewalk away from the street, where possible, is also safer.

Has anyone decided if any of the upgrades can be funded? I'm assuming that the CDBG will not allow these extras? So, would the Township be able to make up the difference?

Gary, do you see any problem with dropping in a concrete crossing of some kind? Are there feasible detour routes? Are the traffic control detour costs accurate?

One thing I didn't see priced was just straight concrete for the crosswalk. I'm guessing it will be only slightly lower than colored, though?

Thanks, everyone.

Nathan Voght, AICP
Brownfield Redevelopment Coordinator
ReImagine Washtenaw Project Manager

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415 W. Michigan Avenue, Suite 2200
Ypsilanti, Michigan 48197
http://www.ewashtenaw.org/

734-544-3055 (direct office)
734-660-1061 (cell)

From: Rushlow, Jacob [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, June 23, 2015 12:29 PM
To: Nathan Voght; Howard Fink; Gary Streight (streightg@wcroads.org)
Cc: Smith, Bryan
Subject: Main Street project estimates

At our 30% review meeting there were a couple construction items you asked that we look into and provide a cost. Those were the addition of a stamped, colored concrete for the mid-block crossing and the inclusion of rapid flashing beacons to alert approaching motorists of the mid-block crossing. Based on recent publicly bid projects we found the following average unit prices:

Flashing Beacon, Rectangular Rapid, Solar Power = $5,000 each
We would need a minimum of 2 for this application adding $10,000 to the project cost.

The colored concrete is a little more involved because of the costs for pavement removal, excavation under the pavement and addition of new aggregate base material, and the need for additional traffic control measures with a detour to allow the proper curing time on the concrete.

Pavement, Removal = $100
Concrete, 7", Stamped, Colored = $1500
Aggregate Base, 8", 21AA Limestone = $300
Traffic Control Detour = $5,000
Total for these concrete related items would add $6,900 to the project cost.

We are glad to include any of these items into the project but wanted to provide these preliminary opinions of cost prior to moving forward with any plan changes. Note that both of these items will also need Road Commission approval as they will both be located within the public road right-of-way. Please feel free to call or e-mail with any questions or to discuss how you'd like to proceed. Thanks!

JACOB A. Rushlow, PE
PROJECT MANAGER

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TOWNSHIP OF NORTHFIELD

IN COOPERATION WITH

WASHTENAW COUNTY

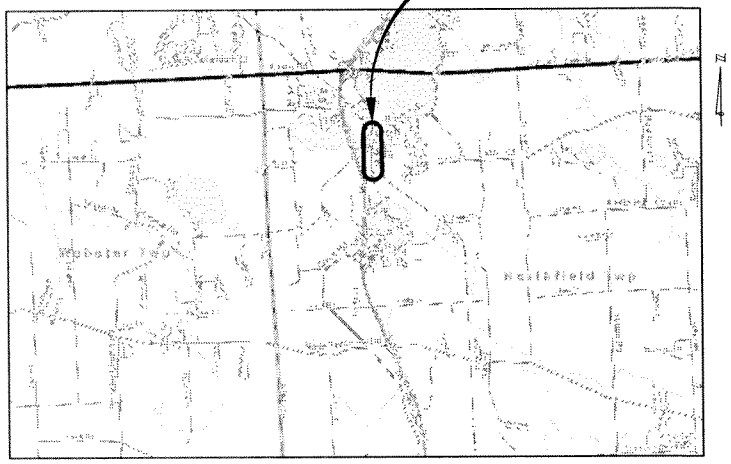
OFFICE OF COMMUNITY AND ECONOMIC DEVELOPMENT

MAIN STREET CDBG SIDEWALK

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	COVER
2	GENERAL NOTES
3	LEGEND
4-5	CONSTRUCTION PLAN
6-7	GRADING PLAN
8	PAVEMENT MARKINGS
9	SOIL EROSION AND SEDIMENTATION CONTROL

M.D.O.T. STANDARD PLANS	
TITLE	PLAN NO.
SIDEWALK RAMP DETAILS	R-28-I
SOIL EROSION AND SEDIMENTATION CONTROL	R-96-E
TEMPORARY TRAFFIC CONTROL DEVICES	WZD-125-E

PROJECT LOCATION



LOCATION MAP

N.T.S.

BOARD MEMBERS

MARILYN ENGSTROM
• SUPERVISOR •

ANGELA WESTOVER
• CITY CLERK •

KATHY BRAUN
• TREASURER •

WAYNE DOCKETT
JACKI OTTO
TRACY THOMAS
JANET CHICK
• TRUSTEES •

HOWARD FINK
MANAGER •

DRAFT NOT FOR CONSTRUCTION

CONTRACT FOR: APPROXIMATELY 950 FEET OF 5 FOOT WIDE CONCRETE SIDEWALK ALONG THE EAST SIDE OF MAIN STREET LINKING THE EXISTING SIDEWALK AT THE WESTBROOK APARTMENT COMPLEX TO THE WHITMORE LAKE MIDDLE SCHOOL.

OHM

Advancing Communities

34000 Plymouth Road | Livonia, MI 48150
p (734) 522-6711 | f (734) 522-6427

PREPARED UNDER THE SUPERVISION OF:

53603
Registration No.

JACOB RUSHLOW — Date

REVISIONS

PROJECT NO.	SHEET NO.
0161-15-0020	1 OF 9

GENERAL PROVISIONS

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE PROPOSAL AND ACCOMPANYING SPECIFICATIONS FOR THIS PROJECT INCLUDING THE 2012 MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, AASHTO'S 2011 A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS.

THE LOCATION OF ALL PUBLIC UTILITIES SHOWN ON THESE PLANS IS TAKEN FROM THE BEST AVAILABLE DATA. THE WASHTENAW COUNTY ROAD COMMISSION AND NORTHFIELD TOWNSHIP WILL NOT BE RESPONSIBLE FOR ANY OMISSION OR VARIATION FROM THE LOCATIONS SHOWN. PURSUANT TO ACT 53 OF THE P.A. OF 1974, AS A CONDITION OF THIS CONTRACT, NOTICE SHALL BE GIVEN TO MISS DIG PRIOR TO UNDERGROUND WORK TO BE PERFORMED IN ACCORDANCE WITH THIS CONTRACT, PHONE (800) 482-7171 OR 811. UTILITY SERVICE CONNECTIONS ARE NOT SHOWN ON THE PLANS AND ARE NOT THE RESPONSIBILITY OF THE ROAD COMMISSION.

THE ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON NAVD 1988 VERTICAL DATUM.

APPLICATION DATE	PERMITS	APPROVAL DATE
	WCWRC SOIL EROSION PERMIT	
	WCRC R.O.W. PERMIT	

GENERAL PROVISIONS

THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND THE NORTHFIELD TOWNSHIP DESIGN STANDARDS EXCEPT AS NOTED HEREON AND IN THE PROPOSAL BOOK.

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN SUCH A MANNER TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL CODES FOR NOISE LEVELS, VIBRATIONS, OR ANY OTHER RESTRICTIONS WHILE REMOVING PAVEMENT OR FOR ANY OTHER CONSTRUCTION OPERATIONS WITHIN THIS CONTRACT TO BE INCLUDED IN THE RESPECTIVE ITEM OF WORK.

THE CONTRACTOR SHALL NOT ENTER UPON PRIVATE PROPERTY FOR ANY PURPOSE WITHOUT OBTAINING WRITTEN PERMISSION, AND HE/SHE SHALL BE RESPONSIBLE FOR PRESERVATION OF ALL PUBLIC PROPERTY, TREES, MONUMENTS, ETC. ALONG AND ADJACENT TO THE STREET AND/OR RIGHT OF WAY, AND SHALL USE EVERY PRECAUTION NECESSARY TO PREVENT DAMAGE OR INJURY THERETO. HE/SHE SHALL USE SUITABLE PRECAUTIONS TO PREVENT DAMAGE TO PIPES, CONDUITS, AND OTHER UNDERGROUND STRUCTURES AND SHALL PROTECT CAREFULLY FROM DISTURBANCE OR DAMAGE ALL MONUMENTS AND PROPERTY MARKERS UNTIL THE ENGINEER OR AUTHORIZED AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION AND SHALL NOT REMOVE THEM UNTIL DIRECTED.

THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE LOCAL FIRE AND POLICE DEPARTMENTS 24 HOURS IN ADVANCE OF CONSTRUCTION PHASING REQUIRED FOR WORK SUCH AS FOR SEWER, CULVERT CROSSINGS AND ROADWAY EXCAVATION.

UTILITIES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, THE CONTRACTOR SHALL DIAL 1-800-482-7171, OR 811, A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM. UTILITY LOCATIONS SHOWN ON THE PLANS ARE ONLY APPROXIMATE AND SHOULD BE LOCATED IN THE FIELD BEFORE EXCAVATING IN THE AREA.

TELEPHONE

AT&T
54 N. MAIL ST/BOX 35
PONTIAC, MI 48342
PHONE: (248) 456-3751
EMAIL: gl2968@att.com

CABLE

CHARTER COMMUNICATIONS
ATTN: DAN BIELACZYC
1392 TRADE CENTER DRIVE
TRAVERSE CITY, MI 49696
PHONE: (231) 941-3818
EMAIL: dan.bielaczyc@charter.com

ELECTRIC TRANSMISSION

DTE ELECTRIC
8001 HAGGERTY ROAD
BELLEVILLE, MI 48111
PHONE: (734) 397-4321
EMAIL: swpd@dteenergy.com

SEWER

NORTHFIELD TOWNSHIP WWTP
ATTN: TIM HARGESTY
1150 LEMEN ROAD
WHITMORE LAKE, MI 48189
PHONE: (734) 449-4159
EMAIL: hardesty@twp.northfield.mi.us

GAS

CONSUMER'S ENERGY
ATTN: MARTHA DIBLASE
530 WILLOW STREET
LANSING, MI 48909
PHONE: (517) 373-6103
EMAIL: martha.diblase@cmsenergy.com

SOIL BORINGS AND/OR PAVEMENT CORES

THE SOIL BORING LOCATION ON THE CONSTRUCTION SHEETS REPRESENTS POINT INFORMATION. PRESENTATION OF THIS INFORMATION IN NO WAY INFERS THAT SUBSURFACE CONDITIONS ARE THE SAME AT LOCATIONS OTHER THAN THE EXACT LOCATION OF THE BORING. SOIL BORING LOGS CAN BE FOUND ON APPENDIX A OF THE CONTRACT BOOK.

DUST CONTROL

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON THIS PROJECT. KEEPING DUST TO A MINIMUM IS HIGH PRIORITY AND WILL BE EXPECTED TO BE MAINTAINED ON A REGULAR BASIS. DUST CONTROL WILL BE CONSIDERED INCIDENTAL TO THE PROJECT.

SAWCUTS

THE CONTRACTOR SHALL SAWCUT THE EXISTING CONCRETE AND/OR HMA PAVEMENT AND DRIVEWAYS TO THE LIMITS OF PROPOSED CONSTRUCTION, TO MAKE A NEAT AND SMOOTH CONNECTION TO THE EXISTING PAVEMENT OR DRIVEWAY AS REQUIRED AND DIRECTED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE (80) FOR OTHER REMOVAL ITEMS.

FLAGGING OPERATIONS

THE CONTRACTOR AND ANY SUBCONTRACTORS WHO WILL BE USING A FLAGGING OPERATION FOR THIS PROJECT SHALL BE REQUIRED TO PROVIDE SATISFACTORY DOCUMENTATION PROVING THAT THEY HAVE MET THE MINIMUM REQUIREMENTS SET FORTH IN SECTION 812 OF THE 2012 MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION. FAILURE TO PROVIDE DOCUMENTATION WILL RESULT IN THE ROAD AUTHORITY WITHHOLDING PAYMENT FOR FLAGGING OPERATIONS.

ALL FLAGGING, SIGNAGE AND TYPE III BARRICADES SHALL BE PLACED DURING CONSTRUCTION AND SHALL BE PAID FOR AS "Traffic Control".

TREE REMOVAL

CONTRACTOR SHALL MEET ENGINEER IN FIELD TO DETERMINE AND FINALIZE ALL TREE REMOVALS AND CLEARING LIMITS PRIOR TO COMMENCING WORK.

MISCELLANEOUS

SANITARY SEWER AND MANHOLES SHOWN ON THE PLANS ARE FROM RECORD PLAN INFORMATION. IT IS BELIEVED THAT THE SANITARY MANHOLES ARE BURIED AND THESE MANHOLES WILL NEED TO BE ADJUSTED OR RECONSTRUCTED TO MATCH THE PROPOSED FINISHED GRADES.

ANY SEWER AND/OR CURB STOP BOXES LOCATED IN SIDEWALK OR DRIVEWAYS SHALL BE ADJUSTED TO MEET PROPOSED ELEVATIONS.

LAWN SPRINKLER SYSTEMS AND LANDSCAPING

IT IS NOT ANTICIPATED THAT THERE IS EXISTING IRRIGATION, HOWEVER, OWNERS OF EXISTING LAWN SPRINKLER SYSTEMS AND/OR LANDSCAPING SHALL BE NOTIFIED (IN WRITING WITH A COPY SENT TO THE ENGINEER) BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF ANY WORK TO BE DONE THAT WILL AFFECT THOSE SYSTEMS AND/OR LANDSCAPING. IF THE PROPERTY OWNER FAILS TO RELOCATE THE LAWN SPRINKLER SYSTEM PRIOR TO THE CONTRACTOR BEGINNING WORK, AND IF THE CONTRACTOR CUTS THE SYSTEM DURING CONSTRUCTION, THE CONTRACTOR SHALL CAP THE SYSTEM PIPE AND WITNESS THE LOCATION OF THE CAP WITH A WOODEN STAKE FOR THE PROPERTY OWNERS USE. THE CONTRACTOR SHALL PLACE THE SALVAGED SPRINKLER HEADS ON THE PROPERTY OWNERS PROPERTY. IF THE PROPERTY OWNER FAILS TO RELOCATE THE LANDSCAPING PRIOR TO THE CONTRACTOR BEGINNING WORK, THE CONTRACTOR SHALL CAREFULLY SALVAGE THE LANDSCAPING ITEMS AND STOCKPILE THEM ON THE PROPERTY OWNERS PROPERTY FOR THE PROPERTY OWNER. ANY OTHER MODIFICATION TO THE LAWN SPRINKLER SYSTEMS AND/OR LANDSCAPING, IS THE RESPONSIBILITY OF THE OWNER AND IS NOT PART OF THIS CONTRACT. THIS WORK AND ALL REQUIRED COMMUNICATION AND COORDINATION WITH THE OWNER IS INCLUDED IN THE MACHINE GRADING PAY ITEM.

EARTHWORK & GRADING

THE CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIAL AT A SITE OUTSIDE OF THE PROJECT LIMITS, OR AS APPROVED BY THE ENGINEER. NO SEPARATE PAYMENT WILL BE MADE FOR LOADING, HAULING, OR DISPOSING OF THE EXCAVATED UNSUITABLE MATERIALS, BUT SHALL BE INCLUDED IN THE COST OF STATION GRADING.

ALL NATURAL SOIL LEFT IN PLACE, IN CUT SECTIONS, SHALL BE COMPACTED TO NOT LESS THAN 95 PERCENT OF MODIFIED PROCTOR TO A MINIMUM DEPTH OF 12 INCHES.

THROUGHOUT THE PROJECT, NO UNDERCUTS OR TRENCHES WILL BE LEFT OPEN AND UNBACKFILLED DURING EACH NIGHT OR NON-WORKING HOURS.

SAWING FOR PAVEMENT REMOVAL SHALL BE INCLUDED IN THE ITEM OF PAVEMENT AND SIDEWALK REMOVAL.

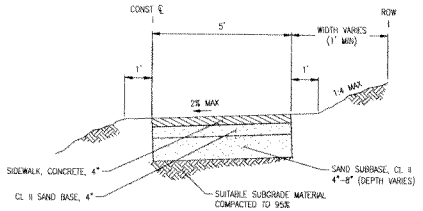
ALL SLOPES SHALL BE FINISHED AS CLASS A SLOPES. BACKFILL BEHIND ALL PROPOSED CURB WITH SOUND EARTH FILL AS SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER IS INCLUDED IN THE PLAN QUANTITY FOR STATION GRADING.

HOURS OF OPERATION

WORK MAY BE PERFORMED DURING THE HOURS OF 7:00 AM TO 7:00 PM, MONDAY THROUGH SATURDAY ONLY. WORK AT OTHER TIMES MAY BE PERFORMED ONLY BY WRITTEN PERMISSION OF THE OWNER.

QUANTITIES THIS SHEET

TOTAL	UNIT	DESCRIPTION
1	EA	Mobilization, Max 10%
1	LS	Traffic Control
140	FT	Irrigation Line
20	EA	Remove and Reset Irrigation Head
1	LS	Turf Establishment
1	LS	Unpaid Water Maintenance Escrow



TYPICAL CONCRETE SIDEWALK CROSS-SECTION

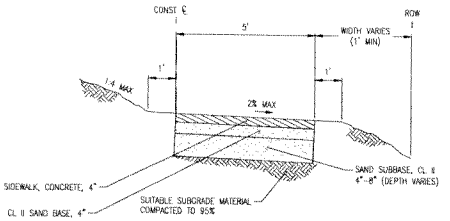
NTS

APPLIES: STA 100+00 TO STA 100+44

STA 0+00 TO STA 2+29
STA 2+29 TO STA 2+44 TRANS 2% RUNOUT

STA 2+87 TO STA 3+95
STA 3+95 TO STA 4+10 TRANS 2% RUNOUT

STA 8+85 TO STA 9+03



TYPICAL CONCRETE SIDEWALK CROSS-SECTION

NTS

APPLIES: STA 100+75 TO STA 100+95

STA 2+44 TO STA 2+72
STA 2+72 TO STA 2+87 TRANS 2% RUNOUT

STA 4+10 TO STA 8+83

NOTES:
CONCRETE THICKNESS SHALL BE INCREASED TO 6" IN DRIVEWAY CROSSINGS AND RAMPS.
SUBBASE DEPTH VARIES, SEE LETTER OF GEOTECHNICAL INVESTIGATION BY G2 CONSULTING GROUP, DATED 7/1/2015.

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COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
GENERAL NOTES

SHEET 2 OF 9

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WATER & SEWER UTILITY SYMBOLS

EXISTING

- STORM MANHOLE
- SQUARE CATCH BASIN
- ROUND CATCH BASIN
- CULVERT
- CULVERT W/O END SECTION
- CULVERT W/END SECTION
- SANITARY MANHOLE
- CLEAN OUT
- GATE VALVE & WELL
- GATE VALVE & BOX
- WATER STOP BOX
- FIRE HYDRANT
- METER PIT
- WATER METER
- SPRINKLER HEAD
- IRRIGATION VALVE

PROPOSED

- STORM MANHOLE
- INLET/CATCH BASIN
- CULVERT END SECTION
- SANITARY MANHOLE
- GATE VALVE & WELL
- GATE VALVE & BOX
- TAPPING SLEEVE VALVE & WELL
- TAPPING SLEEVE VALVE & BOX
- FIRE HYDRANT

REAL ESTATE SYMBOLS

- CONTIGUOUS PROPERTY SYMBOL
- PARCEL NUMBER BOX
- NO ROW IMPACTS

MISCELLANEOUS UTILITY SYMBOLS

EXISTING

- GUY WIRE
- GUY POLE
- UTILITY POLE
- UTILITY POLE W/LIGHT
- LIGHT/DECOR LAMP POLE
- FLOOD LIGHT
- GAS VALVE
- GAS VENT
- GAS METER
- GAS RISER
- TRAFFIC SIGNAL
- PEDESTRIAN RISER
- TRANSFORMER PAD
- PRIVATE UTILITY MANHOLE
- RAILROAD CROSSING
- ELECTRIC METER
- PHONE BOOTH
- TRAFFIC SIGNAL CONTROLLER
- HAND HOLE
- ELECTRIC RISER
- TELEPHONE RISER
- CABLE TV RISER
- MONITORING WELL
- UNDERGROUND MARKER

MISCELLANEOUS SYMBOLS

EXISTING

- RIPRAP
- SIGN
- FLOW DIRECTION
- STUMP
- WETLAND
- CONIFEROUS TREE — CL 1 1" TO 6", CL 2 6" TO 17", CL 3 18" TO 35", CL 4 36" AND UP
- DECIDUOUS TREE — CL 1 1" TO 6", CL 2 6" TO 17", CL 3 18" TO 35", CL 4 36" AND UP
- CONIFEROUS SHRUB
- DECIDUOUS SHRUB
- SOIL BORING
- SECTION CORNER
- MONUMENT
- IRON ROD/PIPE
- PK NAIL
- BENCHMARK
- TRAVERSE POINT
- MAIL/NEWSPAPER BOX
- FLAG POLE
- POST
- HAZARDOUS OR FLAMMABLE MATERIAL — USED WITH UNDERGROUND GAS & ELECTRICAL LINES
- CAUTION - CRITICAL UNDERGROUND UTILITY — USED WITH TELEPHONE & FIBER OPTIC LINES

PROPOSED

- RIPRAP
- SIGN
- FLOW DIRECTION
- STRUCTURE NUMBER WM SAN STM
- ADA SIDEWALK RAMP

UTILITY PATTERN

EXISTING

- ELECTRICAL *
- GAS\OIL
- CABLE/TELEPHONE *
- FIBER OPTIC *
- WATER
- SANITARY
- STORM

PROPOSED

- STORM/SANITARY/WATER
- PRIMARY UTILITY WILL HAVE A CONTINUOUS LINESTYLE, WITH THE SECONDARY UTILITY MATCHING ITS RESPECTIVE EXISTING UTILITY LINESTYLE

*OH = OVERHEAD , UG = UNDERGROUND

ROW PATTERN

EXISTING

- ROW
- SECTION
- PROPERTY/PARCEL

PROPOSED

- ROW

TOPO PATTERN

EXISTING

- HEDGE/TREE
- FENCE
- GUARDRAIL
- CENTERLINE OF DITCH
- RAILROAD
- WETLAND/EDGE OF WATER

PROPOSED

- GRADING LIMIT (SLOPE STAKE)
- CENTERLINE OF DITCH
- GUARDRAIL
- FENCE

REMOVAL LEGEND

- SIDEWALK REMOVAL
- HMA SURFACE REMOVAL
- PAVEMENT REMOVAL
- COLD MILLING HMA SURFACE
- HMA BASE CRUSHING AND SHAPING
- EXCAVATION, EARTH, MODIFIED
- CURB AND GUTTER, REM
- TREE, REM
- S-XXXXXX — SALVAGE
- B-XXXXXX — BULKHEAD
- A-XXXXXX — ABANDON
- R-XXXXXX — REMOVE
- ADJ-XXXXXX — ADJUST
- REL-XXXXXX — RELOCATE
- REC-XXXXXX — RECONSTRUCT
- R B/O-XXXXXX — REMOVE BY OTHERS
- ADJ B/O-XXXXXX — ADJUST BY OTHERS
- REL B/O-XXXXXX — RELOCATE BY OTHERS

IF NECESSARY FOR CLARITY

- (S) SALVAGE
- (B) BULKHEAD
- (A) ABANDON
- (C) CLEARING
- (R) REMOVE
- (REL) RELOCATE
- (REC) RECONSTRUCT
- (REL B/O) RELOCATE BY OTHERS
- (ADJ B/O) ADJUST BY OTHERS

SPECIAL LEGEND

- (L) LANDING
- (R) RAMP

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COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
LEGEND

SHEET 3 OF #

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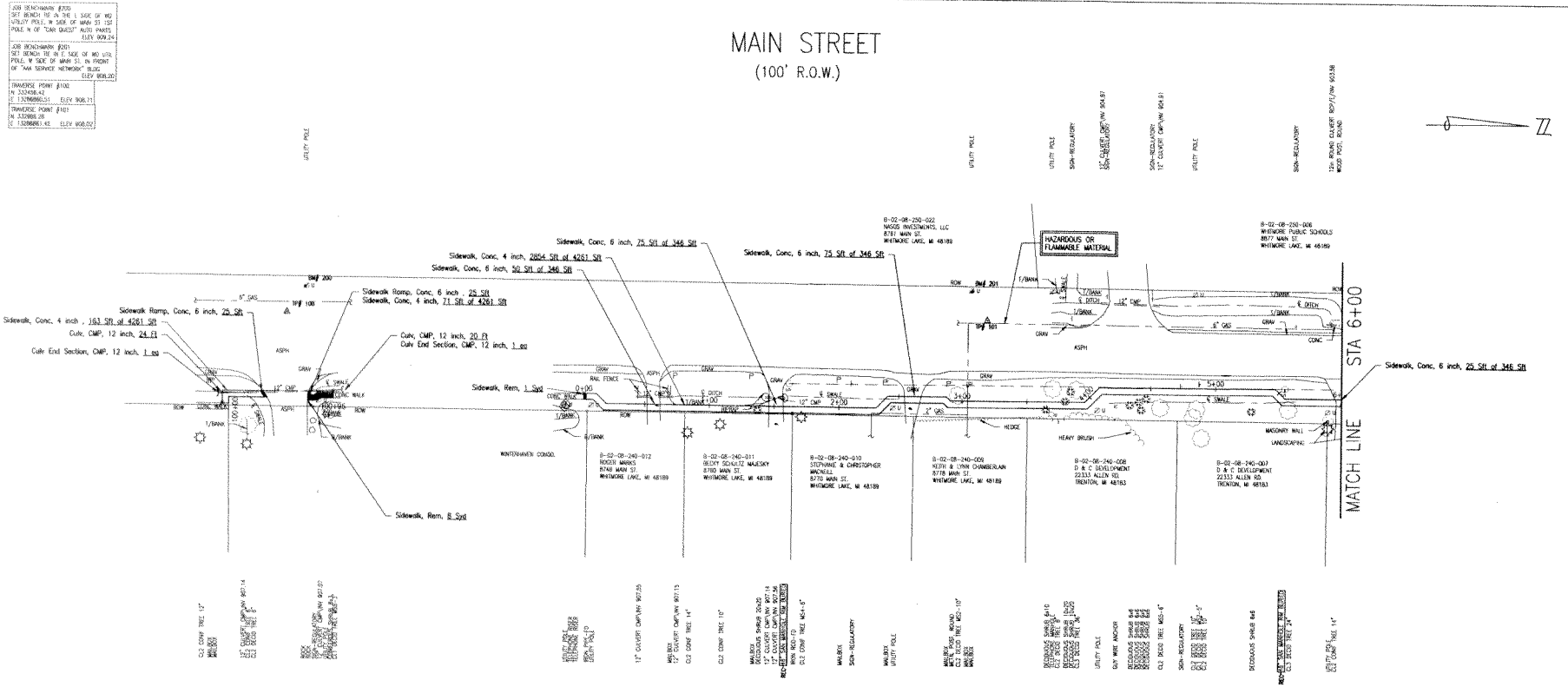

EXISTING STRUCTURE ADJUST / RECONSTRUCT SCHEDULE					
STA	OFFSET	STRUCTURE TYPE	CASTING ELEVATION		ADJUST OR RECONSTRUCT
			EXISTING	PROPOSED	
1+59	18' L	SAN - MH	BURIED	908.47	RECONSTRUCT
5+49	5' L	SAN - MH	BURIED	907.27	RECONSTRUCT

QUANTITIES THIS SHEET

TOTAL	UNIT	DESCRIPTION
5.7	Sta	Street Grading
8	Syd	Pvmt, Rem
9	Syd	Sidewalk, Rem
44	Ft	Culv, CMP, 12 inch
2	Ea	Culv End Sect, CMP, 12 inch
2	Ea	Reconstruct Sanitary Structure
135	Ton	Bond Base Crse, CL II
1681	Sft	Sidewalk, Conc, 4 inch
96	Sft	Sidewalk Ramp, Conc, 6 inch
229	Sft	Sidewalk, Conc, 6 inch

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COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
CONSTRUCTION PLAN

SHEET 4 OF 9

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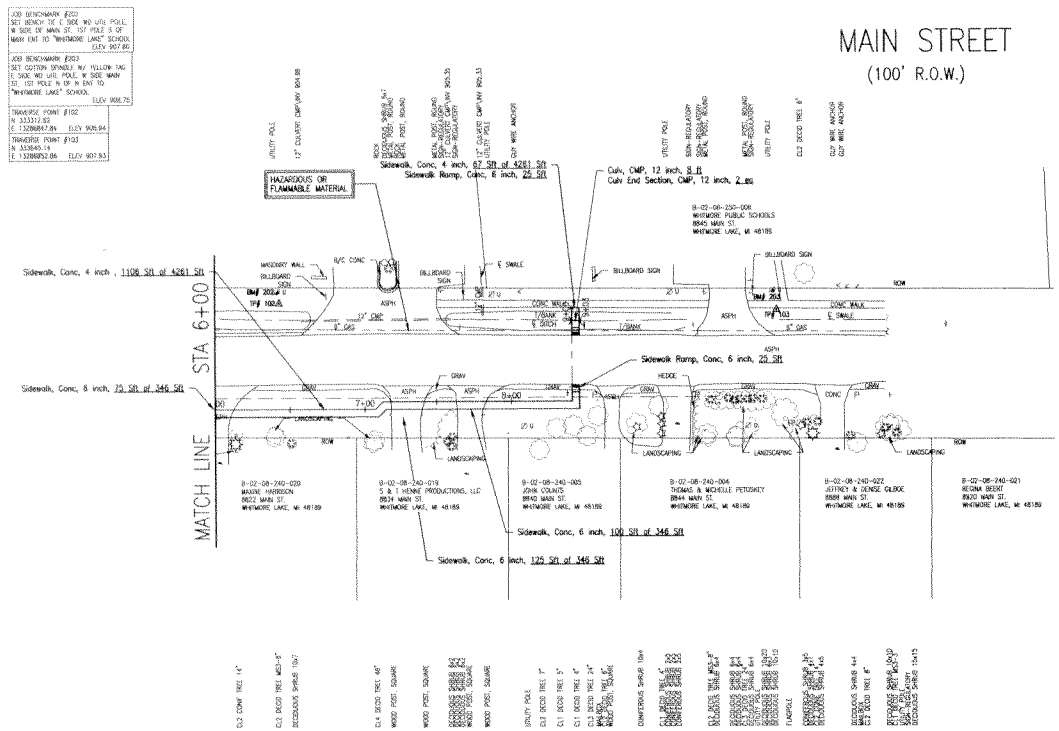

QUANTITIES THIS SHEET

TOTAL	UNIT	DESCRIPTION
2.7	Sw	Shelter Shoring
1h	Syst	Maint. Item
K	Ft	Culv, CMP, 12 inch
2	Ea	Culv End Sect, CMP, 12 inch
47	Ton	Base Buildup, CL II
1171	SY	Sidewalk, Conc, 4 inch
50	SY	Sidewalk Ramp, Conc, 6 inch
3CD	Ea	Sidewalk, Conc, 6 inch

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COUNTY OF WASHTENAW
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CONSTRUCTION PLAN

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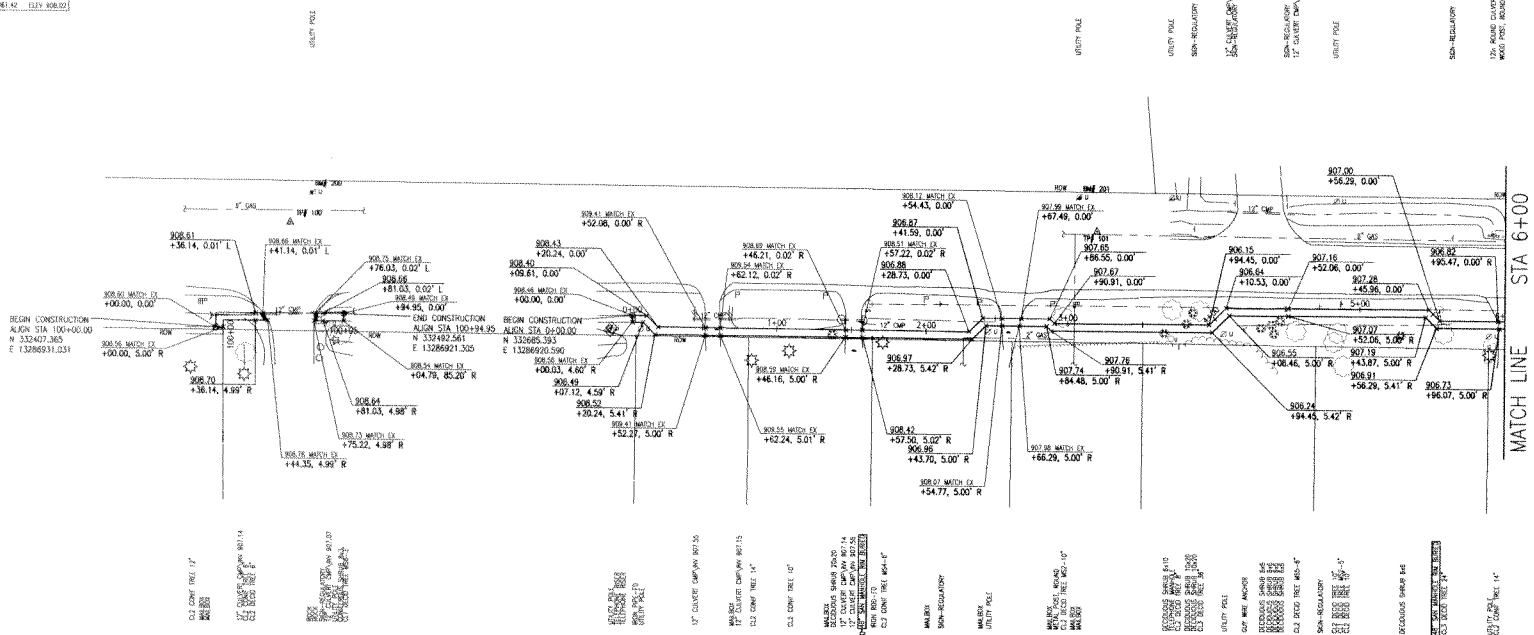
MAIN STREET
(100' R.O.W.)



JOB BENCHMARK #202
SET BENCH TIE IN THE E SIDE OF WD UTILITY POLE, W SIDE OF MAIN ST 1ST POLE N OF "CAR QUEST" AUTO PARTS
ELEV 909.24

JOB BENCHMARK #201
SET BENCH TIE IN E SIDE OF WD UTIL POLE, W SIDE OF MAIN ST IN FRONT OF "AAA SERVICE NETWORK" BLDG
ELEV 908.20

TRAVERSE POINT #100
N 332455.42
E 1328886.51 ELEV 908.11

TRAVERSE POINT #101
N 332998.28
E 1328681.42 ELEV 908.02

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COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
GRADING PLAN

SHEET 6 OF 9

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DRAWINGS DATA: P:\PROJECTS\15505\civil\Grading\Cover\15505Cover.dwg Jul 13, 2016 - 12:39pm

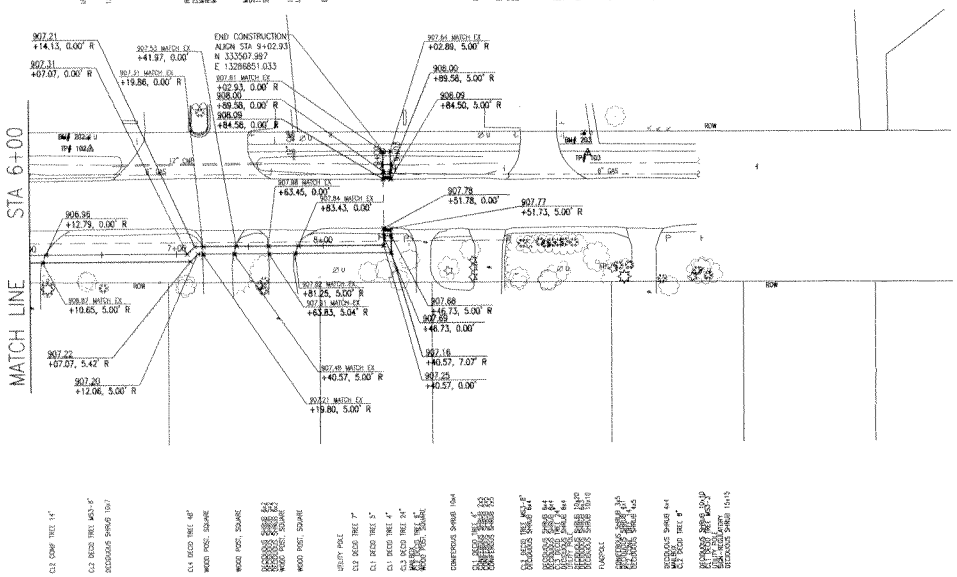
JOB BENCHMARK #202
SET BENCH TIE S SIDE MID UTIL POLE, W SIDE OF MAIN ST, 1ST POLE S OF MAIN ENT TO "WHITMORE LAKE SCHOOL"
ELEV 907.80

JOB BENCHMARK #203
SET COTTON SPINDLE W/ YELLOW TAG E SIDE MID UTIL POLE, W SIDE MAIN ST, 1ST POLE N OF N ENT TO "WHITMORE LAKE SCHOOL"
ELEV 908.75

TRAVERSE POINT #102
N 333112.82
E 13286847.84 ELEV 905.94

TRAVERSE POINT #103
N 333945.14
E 13286852.66 ELEV 907.93

MAIN STREET
(100' R.O.W.)



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COUNTY OF WASHTENAW
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GRADING PLAN

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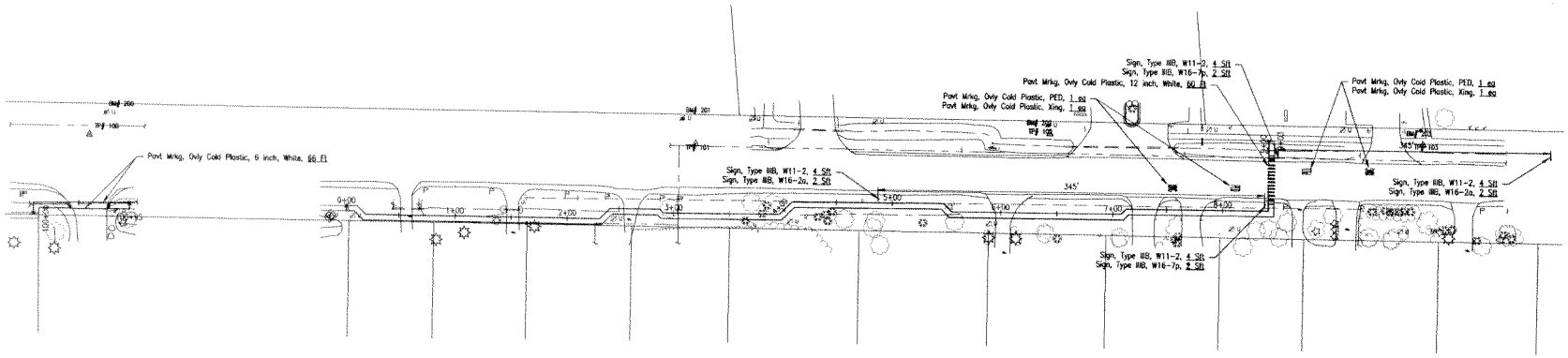
JOB BENCHMARK #202
SET BENCH TIE E SIDE MID UTIL POLE, W SIDE OF MAIN ST, 1ST POLE S OF MAIN ENT TO "WHITMORE LAKE" SCHOOL ELEV 907.80
JOB BENCHMARK #203
SET COTTON SPINDLE W/ YELLOW TAG E SIDE MID UTIL POLE, W SIDE MAIN ST, 1ST POLE N OF N ENT TO "WHITMORE LAKE" SCHOOL ELEV 908.75
TRAVERSE POINT #102
N 333312.82
E 1298847.94 ELEV 908.94
TRAVERSE POINT #103
N 333645.14
E 1298852.66 ELEV 907.83

MAIN STREET
(100' R.O.W.)



SIGNING PLAN				
SIGN TYPE	DESCRIPTION	SIZE (SFT)	QUANTITY	TOTAL SFT
W11-2	PEDESTRIAN WARNING	4	4	16
W16-2a	345 FT PLAQUE	2	2	4
W16-7p	DIAGONAL ARROW PLAQUE	2	2	4

QUANTITIES THIS SHEET

TOTAL	UNIT	DESCRIPTION
32	FT	Post, Steel, 3 lb
16	SFT	Sign, Type IIB
60	FT	Pavt Mrkg, Ovly Cold Plastic, 6 inch, White
60	FT	Pavt Mrkg, Ovly Cold Plastic, 12 inch, White
2	Ea	Pavt Mrkg, Ovly Cold Plastic, Ped
2	Ea	Pavt Mrkg, Ovly Cold Plastic, Xing

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COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK

PAVEMENT MARKINGS

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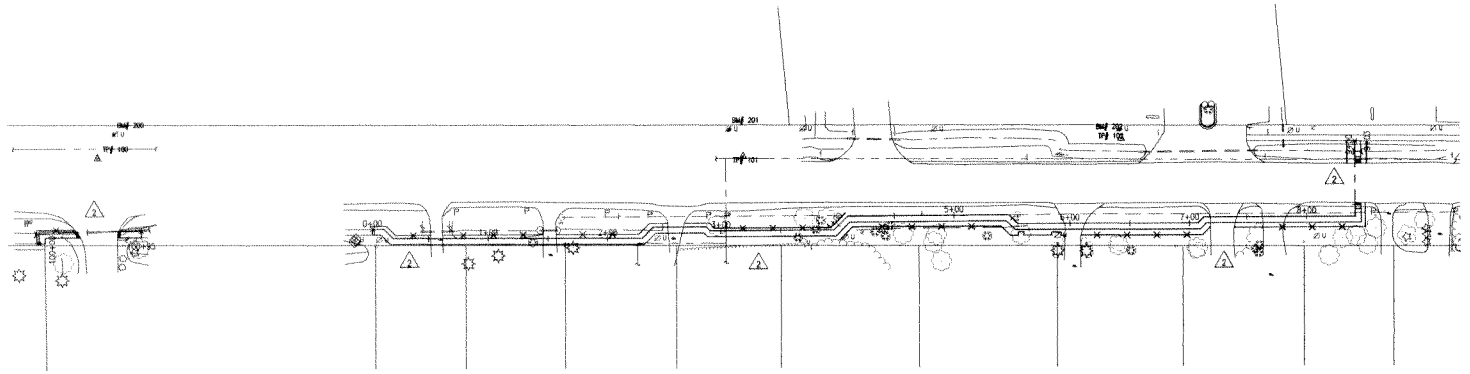
JOB BENCHMARK #202
SET BENCH TIE E. SIDE WD UTIL POLE, W SIDE OF MAIN ST, 1ST POLE S OF MAIN ENT TO "WHITMORE LAKE" SCHOOL
ELEV 907.60

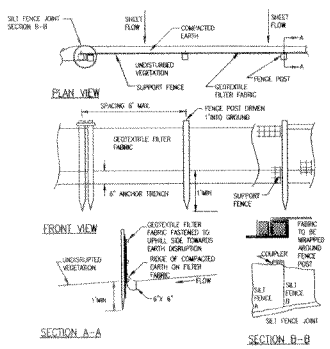
JOB BENCHMARK #203
SET COTTON SPINDLE W/ YELLOW TAG E SIDE WD UTIL POLE, N SIDE MAIN ST, 1ST POLE N OF N ENT TO "WHITMORE LAKE" SCHOOL
ELEV 908.75

TRAVERSE POINT #102
N 333312.82
E 1328867.26 ELEV 908.94

TRAVERSE POINT #103
N 333645.14
E 1328850.86 ELEV 907.83

MAIN STREET
(100' R.O.W.)





SILT FENCE (SP-2)
N.T.S.

QUANTITIES THIS SHEET

TOTAL	UNIT	DESCRIPTION
1374	FT	Temporary Construction Silt Fence

CONSTRUCTION SEQUENCE

1. REMOVE TREES AND BRUSH.
2. INSTALL SOIL EROSION CONTROL MEASURES.
3. REMOVE EXISTING PAVEMENT.
4. ROUGH GRADE AREA.
5. INSTALL PROPOSED SIDEWALK.
6. FINAL GRADING.
7. STABILIZE GROUND W/ VEGETATION AS NEEDED WITHIN FIVE DAYS OF COMPLETION OF FINAL GRADING.

NOTES

CONTRACTOR SHALL COMPLY WITH REQUIREMENTS OF THE SOIL EROSION AND SEDIMENTATION CONTROL ACT OF THE STATE OF MICHIGAN, PART 91 OF ACT 451, OF THE PUBLIC ACTS OF 1994; WASHTENAW COUNTY WATER RESOURCES COMMISSIONER.

1. THE CONTRACTOR SHALL CONDUCT OPERATIONS IN A MANNER THAT WILL REDUCE ACCELERATED EROSION TO THE PRACTICAL MINIMUM AND PREVENT DAMAGING SILTATION TO EXISTING SEWERS AND WATER COURSES LEAVING FROM THE WORK SITE.
2. THE CONTRACTOR SHALL CONDUCT WORK IN SUCH A MANNER AS TO PREVENT THE ENTRY OF FUELS, OILS, BITUMINOUS MATERIALS, CHEMICALS, SEWERAGE OR OTHER HARMFUL MATERIALS INTO NEARBY LAKES AND STREAMS.
3. WASTE DISPOSAL AREAS SHALL BE SELECTED BY THE CONTRACTOR WITH FULL CONSIDERATION OF EROSION AND SEDIMENT CONTROL. SELECTION OF DISPOSAL SITE, AND CONTROL OF OPERATIONS, AND THE RESTORATION OF SAID AREAS SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
4. EXCAVATION FROM THE RIGHT-OF-WAY, CHANNELS, OR OTHER MATERIAL SHALL NOT BE DEPOSITED IN OR NEAR RIVERS, STREAMS OR PONDS WHERE IT MAY ENTER THE WATERWAY.
5. AT THE COMPLETION OF EACH DAYS CONSTRUCTION, CARE SHALL BE TAKEN TO ENSURE THAT MINIMAL EROSION WILL OCCUR IN TRENCHES AND TO STOCKPILED MATERIALS UNTIL RESUMPTION OF WORK.
6. CONTRACTOR SHALL CONFINE OPERATIONS TO THE MINIMUM AMOUNT OF WORKING SPACE PRACTICAL TO MINIMIZE SOIL EROSION.
7. THE PROJECT WILL BE CONTINUALLY INSPECTED BY THE ENGINEER FOR EROSION CONTROL COMPLIANCE. DEFICIENCIES WILL BE CORRECTED BY THE CONTRACTOR IMMEDIATELY UPON NOTICE OF SUCH DEFICIENCIES. FAILURE TO CORRECT THE DEFICIENCIES MAY RESULT IN THE ISSUANCE OF A STOP WORK ORDER AND THERE WILL BE NO CONTRACT TIME EXTENSION FOR THIS ISSUED STOPPAGE.
8. TEMPORARY SOIL EROSION CONTROL MEASURES CONSISTING OF SILT FENCE, MULCHING, AND INLET FILTER TRAPS SHALL BE IMPLEMENTED THROUGHOUT THE ENTIRE CONSTRUCTION PHASE OF THE PROJECT, AND SHALL BE REMOVED BY THE CONTRACTOR AFTER THE PERMANENT SOIL EROSION MEASURES HAVE BEEN COMPLETED.
9. MULCH BLANKET OR HIGH VELOCITY MULCH BLANKET WITH NETTING TIE DOWN OR OTHER APPROVED MULCH SYSTEM SHALL BE PLACED ON DISTURBED SLOPES WHERE DIRECTED BY THE ENGINEER WHEN THE WORK IS PERFORMED DURING THE PERIOD FROM OCTOBER 1ST THROUGH APRIL 15TH. ALL SLOPES GREATER THAN 1V:6H (16%) SHALL BE STABILIZED WITH MULCH BLANKET.
10. PERMANENT SOIL EROSION MEASURES CONSISTING OF THM MIXTURE SEED AND MULCH BLANKET SHALL BE COMPLETED WITHIN 15 CALENDAR DAYS OF FINAL GRADING. IN THE EVENT IT IS NOT POSSIBLE TO PERMANENTLY STABILIZE THE AREA DUE TO SEASONAL LIMITATIONS, THE TEMPORARY MEASURES SHALL REMAIN IN FORCE AND SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL SUCH TIME AS IT IS PRACTICAL TO COMPLETE THE PERMANENT CONTROL MEASURES.
11. THE ENGINEER SHALL HAVE FULL AUTHORITY TO TEMPORARILY SUSPEND WORK IN THE EVENT THAT ANY OF THE ABOVE REQUIREMENTS ARE NOT BEING MET BY THE CONTRACTOR, OR IF CONDITIONS INDICATE THAT ADDITIONAL TEMPORARY CONTROL MEASURES ARE WARRANTED.
12. THE CONTRACTOR SHALL CLEAN OUT SEDIMENT TRAPS, INLET FILTERS, AND CHECK DAMS ON A BI-WEEKLY BASIS OR AS REQUIRED AFTER RAIN EVENTS.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STREET SWEEPING AND DUST CONTROL.

LEGEND
- MDOT SOIL EROSION SPEC.
- INLET FILTER
- GEOTEXTILE SILT FENCE

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DATE	DESCRIPTION	BY	CHK'D	APP'D
MAY 13, 2015	ADDENDUM #1	KSP		

DATE	PROJ NUMBER	DRN	CHK'D	SCALE
05/13/2015	0049-13-0370	JS	BM	N.T.S.

COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
SOIL EROSION AND SEDIMENTATION CONTROL

SHEET 9 OF 9

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OPINION OF PROBABLE CONSTRUCTION COST

ORCHARD, HILTZ & McCLIMENT, INC.
34000 Plymouth Road, Livonia, Michigan, 48150
Telephone: (734) 522-6711 FAX: (734) 466-4557

PROJECT: Main Street CDBG Sidewalk
LOCATION: Northfield Township
WORK: Sidewalk

DATE: July 8, 2015
PROJECT #: 0161-15-0020
ESTIMATOR: BJS
CHECKED BY: JR
CURRENT ENR: JR

ITEM CODE	DESCRIPTION	UNIT	TOTAL	UNIT PRICE	COST
1047150	Mobilization, Max 10%	Ea	1	$ 7,500.00	$ 7,500.00
8507151	Digital Video Recorded Survey	LS	1	$ 1,000.00	$ 1,000.00
2040050	Pavt, Rem	Syd	24	$ 45.00	$ 1,080.00
2040055	Sidewalk, Rem	Syd	9	$ 30.00	$ 270.00
2037102	Station Grading	Sta	9.4	$ 2,000.00	$ 18,800.00
2080036	Erosion Control, Silt Fence	Ft	929	$ 4.00	$ 3,716.00
4017101	Culv, CMP, 12 inch	Ft	35	$ 100.00	$ 3,500.00
4017150	Culv End Sect, CMP, 12 inch	Ea	4	$ 45.00	$ 180.00
5017131	Sand Subbase, CL II	Ton	156	$ 30.00	$ 4,680.00
8037310	Sidewalk Ramp, Conc, 6 inch	Sft	100	$ 15.00	$ 1,500.00
8037210	Sidewalk, Conc, 4 inch	Sft	4132	$ 6.00	$ 24,792.00
8037410	Sidewalk, Conc, 6 inch	Sft	525	$ 8.00	$ 4,200.00
8087150	Remove and Reset Irrigation Head	Ea	10	$ 50.00	$ 500.00
8087101	Irrigation Line	Ft	100	$ 3.00	$ 300.00
1047251	Traffic Control	LS	1	$ 5,000.00	$ 5,000.00
8110025	Pavt Mrkg, Ovly Cold Plastic, 6 inch, White	Ft	66	$ 4.00	$ 264.00
8110042	Pavt Mrkg, Ovly Cold Plastic, 12 inch, White	Ft	60	$ 7.00	$ 420.00
8110046	Pavt Mrkg, Ovly Cold Plastic, Ped	Ea	2	$ 200.00	$ 400.00
8110047	Pavt Mrkg, Ovly Cold Plastic,ing	Ea	2	$ 200.00	$ 400.00
8100405	Sign, Type IIIB	Sft	16	$ 70.00	$ 1,120.00
8100371	Post, Steel, 3 lb	Ft	32	$ 35.00	$ 1,120.00
4037150	Reconstruct Sanitary Structure	Ea	2	$ 3,000.00	$ 6,000.00
8167151	Turf Establishment	LS	1	$ 5,000.00	$ 5,000.00
					$ 91,742.00
	TOTAL OPINION OF PROBABLE CONSTRUCTION COST =				**$ 91,742.00**

Howard Fink

From: Rushlow, Jacob [jacob.rushlow@ohm-advisors.com]
Sent: Thursday, August 20, 2015 2:10 PM
To: Howard Fink
Subject: Main Street Sidewalk Update

Howard,

The Main Street sidewalk project 90% design has been completed and is currently in the Environmental Assessment phase with the County. This process is being performed by County staff and takes 90 days to complete. We anticipate the project will be bid publicly in January 2016 with construction starting in early spring 2016.

Our opinion of construction cost at the 90% plan stage is $91,742.00. We also discussed the option of including rapid flashing beacons for added safety and warning to motorists at the mid-block crossing to the middle school. This is estimated to add another $10,000 to the opinion of construction costs if the Township chooses to include this feature.

I am not sure of the exact CDBG funding amount but the County has stated that any amount above that budget would need to be covered by the Township. It may be possible to allocate future CDBG funds to cover those costs but I would suggest verifying with the County on how that would work.

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Ok that sounds good. We can have this added and updated plans provided to you by the end of this week.

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Subject: RE: Main Street 90% Plan Review Meeting
Attachments: Main St CDBG SW 90 pct Plans Rev 2015-08-28.pdf; Main St CDBG SW 90 pct Costs Rev 2015-08-28.pdf

Nathan,

Attached is our updated 90% design plans and opinion of construction costs for this project. The plan changes include updates to the MDOT plan reference table on the cover sheet to include the rectangular rapid flashing beacon (RRFB) detail and updating the callouts and quantities on the Sheet 8 Pavement Markings and Signing plan. Most of the details for the RRFB item will be included into the construction specifications as an appendix.

The costs were updated to add the RRFB assembly, which includes space for a couple of the pedestrians signs needed so there was also a reduction in the quantity of signs and posts needed. The costs were also adjusted to increase mobilization, which is set at a maximum of 10% of the construction costs. I mention these notes about the costs because you may notice that the addition of the RRFB increased the estimate by slightly more than $10,000 ($10,660 to be exact) and I wanted to provide some clarification.

Please let me know if you have any questions.

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Howard,

I would like to setup a meeting with our team to go over the 90% review comments with you and Nathan. I coordinated with Nathan and here are a few dates/times that work well for our schedules next week. Let me know what is best for you and we will get it scheduled. Thanks!

Wednesday 7/22 afternoon between 2:30 and 5:00
Thursday 7/23 morning at 8:30 or afternoon between 2:30 and 4:00

JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

T 734.522.6711
F 734.522.6427
D 734.466.4517

C 734.812.7154

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TOWNSHIP OF NORTHFIELD

IN COOPERATION WITH

WASHTENAW COUNTY

OFFICE OF COMMUNITY AND ECONOMIC DEVELOPMENT

MAIN STREET CDBG SIDEWALK

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	COVER
2	GENERAL NOTES
3	LEGEND
4-5	CONSTRUCTION PLAN
6-7	GRADING PLAN
8	PAVEMENT MARKINGS
9	SOIL EROSION AND SEDIMENTATION CONTROL

M.D.O.T. STANDARD PLANS	
TITLE	PLAN NO.
SIDEWALK RAMP DETAILS	R-28-I
SOIL EROSION AND SEDIMENTATION CONTROL	R-96-E
TEMPORARY TRAFFIC CONTROL DEVICES	WZD-125-E

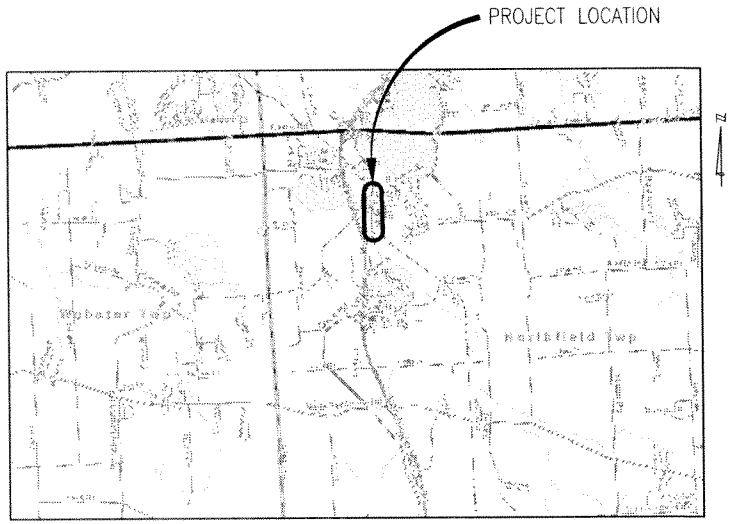
M.D.O.T. SPECIAL DETAILS	
TITLE	PLAN NO.
RECTANGULAR RAPID FLASHING BEACON	SIG-027-B

GENERAL PROVISIONS

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE PROPOSAL AND ACCOMPANYING SPECIFICATIONS FOR THIS PROJECT INCLUDING THE 2012 MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, AASHTO'S 2011 A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS.

THE LOCATION OF ALL PUBLIC UTILITIES SHOWN ON THESE PLANS IS TAKEN FROM THE BEST AVAILABLE DATA. THE WASHTENAW COUNTY ROAD COMMISSION AND NORTHFIELD TOWNSHIP WILL NOT BE RESPONSIBLE FOR ANY OMISSION OR VARIATION FROM THE LOCATIONS SHOWN. PURSUANT TO ACT 53 OF THE P.A. OF 1974, AS A CONDITION OF THIS CONTRACT, NOTICE SHALL BE GIVEN TO MISS DIG PRIOR TO UNDERGROUND WORK TO BE PERFORMED IN ACCORDANCE WITH THIS CONTRACT, PHONE (800) 482-7171 OR 811. UTILITY SERVICE CONNECTIONS ARE NOT SHOWN ON THE PLANS AND ARE NOT THE RESPONSIBILITY OF THE ROAD COMMISSION.

THE ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON NAVD 1988 VERTICAL DATUM.



LOCATION MAP

N.T.S.

APPLICATION DATE	PERMITS	APPROVAL DATE
	WCWRC SOIL EROSION PERMIT	
	WCRC R.O.W. PERMIT	

BOARD MEMBERS

MARILYN ENGSTROM
• SUPERVISOR •

ANGELA WESTOVER
• CITY CLERK •

KATHY BRAUN
• TREASURER •

WAYNE DOCKETT
JACKI OTTO
TRACY THOMAS
JANET CHICK
• TRUSTEES •

HOWARD FINK
MANAGER •

DRAFT NOT FOR CONSTRUCTION

CONTRACT FOR: APPROXIMATELY 950 FEET OF 5 FOOT WIDE CONCRETE SIDEWALK ALONG THE EAST SIDE OF MAIN STREET LINKING THE EXISTING SIDEWALK AT THE WESTBROOK APARTMENT COMPLEX TO THE WHITMORE LAKE MIDDLE SCHOOL.

OHM
Advancing Communities
34000 Plymouth Road | Livonia, MI 48150
p (734) 522-6711 | f (734) 522-6427

PREPARED UNDER THE SUPERVISION OF:

53603
Registration No.

JACOB RUSHLOW — Date

REVISIONS

PROJECT NO.	SHEET NO.
0161-15-0020	1 OF 9

GENERAL PROVISIONS

THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND THE NORTHFIELD TOWNSHIP DESIGN STANDARDS EXCEPT AS NOTED HEREIN AND IN THE PROPOSAL BOOK.

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN SUCH A MANNER TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL CODES FOR NOISE LEVELS, VIBRATIONS, OR ANY OTHER RESTRICTIONS WHILE REMOVING PAVEMENT OR FOR ANY OTHER CONSTRUCTION OPERATIONS WITHIN THIS CONTRACT TO BE INCLUDED IN THE RESPECTIVE ITEM OF WORK.

THE CONTRACTOR SHALL NOT ENTER UPON PRIVATE PROPERTY FOR ANY PURPOSE WITHOUT OBTAINING WRITTEN PERMISSION, AND HE/SHE SHALL BE RESPONSIBLE FOR PRESERVATION OF ALL PUBLIC PROPERTY, TREES, MONUMENTS, ETC. ALONG AND ADJACENT TO THE STREET AND/OR RIGHT OF WAY, AND SHALL USE EVERY PRECAUTION NECESSARY TO PREVENT DAMAGE OR INJURY THERETO. HE/SHE SHALL USE SUITABLE PRECAUTIONS TO PREVENT DAMAGE TO PIPES, CONDUITS, AND OTHER UNDERGROUND STRUCTURES AND SHALL PROTECT CAREFULLY FROM DISTURBANCE OR DAMAGE ALL MONUMENTS AND PROPERTY MARKERS UNTIL THE ENGINEER OR AUTHORIZED AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION AND SHALL NOT REMOVE THEM UNTIL DIRECTED.

THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE LOCAL FIRE AND POLICE DEPARTMENTS 24 HOURS IN ADVANCE OF CONSTRUCTION PHASING REQUIRED FOR WORK SUCH AS FOR SEWER, CULVERT CROSSINGS AND ROADWAY EXCAVATION.

UTILITIES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, THE CONTRACTOR SHALL DIAL 1-800-482-7171, OR 811, A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM. UTILITY LOCATIONS SHOWN ON THE PLANS ARE ONLY APPROXIMATE AND SHOULD BE LOCATED IN THE FIELD BEFORE EXCAVATING IN THE AREA.

TELEPHONE

AT&T
54 N. MILL ST/BOX 35
PONTIAC, MI 48342
PHONE: (248) 456-9751
EMAIL: gl2966@att.com

CABLE

CHARTER COMMUNICATIONS
ATTN: DAN BIELACZYC
1382 TRADE CENTER DRIVE
TRAVERSE CITY, MI 49686
PHONE: (231) 941-3815
EMAIL: dan.bielaczyc@charter.com

ELECTRIC TRANSMISSION

DTE, ELECTRIC
8001 HAGGERTY ROAD
BELLEVILLE, MI 48111
PHONE: (734) 397-4321
EMAIL: swpdtd@dteenergy.com

SEWER

NORTHFIELD TOWNSHIP WWTP
ATTN: TIM HARDESTY
1150 LEMEN ROAD
WHITMORE LAKE, MI 48189
PHONE: (734) 449-4156
EMAIL: hardestyt@twp.northfield.mi.us

GAS

CONSUMER'S ENERGY
ATTN: MARTHA DIBLASE
530 WILLOW STREET
LANSING, MI 48909
PHONE: (517) 373-6100
EMAIL: martha.diblase@cmsenergy.com

SOIL BORINGS AND/OR PAVEMENT CORES

THE SOIL BORING LOCATION ON THE CONSTRUCTION SHEETS REPRESENTS POINT INFORMATION. PRESENTATION OF THIS INFORMATION IN NO WAY INFERS THAT SUBSURFACE CONDITIONS ARE THE SAME AT LOCATIONS OTHER THAN THE EXACT LOCATION OF THE BORING. SOIL BORING LOGS CAN BE FOUND ON APPENDIX A OF THE CONTRACT BOOK.

DUST CONTROL

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON THIS PROJECT. KEEPING DUST TO A MINIMUM IS HIGH PRIORITY AND WILL BE EXPECTED TO BE MAINTAINED ON A REGULAR BASIS. DUST CONTROL WILL BE CONSIDERED INCIDENTAL TO THE PROJECT.

SAWCUTS

THE CONTRACTOR SHALL SAWCUT THE EXISTING CONCRETE AND/OR HMA PAVEMENT AND DRIVEWAYS TO THE LIMITS OF PROPOSED CONSTRUCTION, TO MAKE A NEAT AND SMOOTH CONNECTION TO THE EXISTING PAVEMENT OR DRIVEWAY AS REQUIRED AND DIRECTED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE BID FOR OTHER REMOVAL ITEMS.

FLAGGING OPERATIONS

THE CONTRACTOR AND ANY SUBCONTRACTORS WHO WILL BE USING A FLAGGING OPERATION FOR THIS PROJECT SHALL BE REQUIRED TO PROVIDE SATISFACTORY DOCUMENTATION PROVING THAT THEY HAVE MET THE MINIMUM REQUIREMENTS SET FORTH IN SECTION 812 OF THE 2012 MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION. FAILURE TO PROVIDE DOCUMENTATION WILL RESULT IN THE ROAD AUTHORITY WITHHOLDING PAYMENT FOR FLAGGING OPERATIONS.

ALL FLAGGING, SIGNAGE AND TYPE III BARRICADES SHALL BE PLACED DURING CONSTRUCTION AND SHALL BE PAID FOR AS "Traffic Control".

TREE REMOVAL

CONTRACTOR SHALL MEET ENGINEER IN FIELD TO DETERMINE AND FINALIZE ALL TREE REMOVALS AND CLEARING LIMITS PRIOR TO COMMENCING WORK.

MISCELLANEOUS

SANITARY SEWER AND MANHOLES SHOWN ON THE PLANS ARE FROM RECORD PLAN INFORMATION. IT IS BELIEVED THAT THE SANITARY MANHOLES ARE BURIED AND THESE MANHOLES WILL NEED TO BE ADJUSTED OR RECONSTRUCTED TO MATCH THE PROPOSED FINISHED GRADES.

ANY SEWER AND/OR CURB STOP BOXES LOCATED IN SIDEWALK OR DRIVEWAYS SHALL BE ADJUSTED TO MEET PROPOSED ELEVATIONS.

LAWN SPRINKLER SYSTEMS AND LANDSCAPING

IT IS NOT ANTICIPATED THAT THERE IS EXISTING IRRIGATION, HOWEVER, OWNERS OF EXISTING LAWN SPRINKLER SYSTEMS AND/OR LANDSCAPING SHALL BE NOTIFIED (IN WRITING WITH A COPY SENT TO THE ENGINEER) BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF ANY WORK TO BE DONE THAT WILL AFFECT THOSE SYSTEMS AND/OR LANDSCAPING. IF THE PROPERTY OWNER FAILS TO RELOCATE THE LAWN SPRINKLER SYSTEM PRIOR TO THE CONTRACTOR BEGINNING WORK, AND IF THE CONTRACTOR CUTS THE SYSTEM DURING CONSTRUCTION, THE CONTRACTOR SHALL CAP THE SYSTEM PIPE AND WITNESS THE LOCATION OF THE CAP WITH A WOODEN STAKE FOR THE PROPERTY OWNERS USE. THE CONTRACTOR SHALL PLACE THE SALVAGED SPRINKLER HEADS ON THE PROPERTY OWNERS PROPERTY. IF THE PROPERTY OWNER FAILS TO RELOCATE THE LANDSCAPING PRIOR TO THE CONTRACTOR BEGINNING WORK, THE CONTRACTOR SHALL CAREFULLY SALVAGE THE LANDSCAPING ITEMS AND STOCKPILE THEM ON THE PROPERTY OWNERS PROPERTY FOR THE PROPERTY OWNER. ANY OTHER MODIFICATION TO THE LAWN SPRINKLER SYSTEMS AND/OR LANDSCAPING, IS THE RESPONSIBILITY OF THE OWNER AND IS NOT PART OF THIS CONTRACT. THIS WORK AND ALL REQUIRED COMMUNICATION AND COORDINATION WITH THE OWNER IS INCLUDED IN THE MACHINE GRADING PAY ITEM.

EARTHWORK & GRADING

THE CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIAL AT A SITE OUTSIDE OF THE PROJECT LIMITS, OR AS APPROVED BY THE ENGINEER. NO SEPARATE PAYMENT WILL BE MADE FOR LOADING, HAULING, OR DISPOSING OF THE EXCAVATED UNSUITABLE MATERIALS, BUT SHALL BE INCLUDED IN THE COST OF STATION GRADING.

ALL NATURAL SOIL LEFT IN PLACE, IN CUT SECTIONS, SHALL BE COMPACTED TO NOT LESS THAN 95 PERCENT OF MODIFIED PROCTOR TO A MINIMUM DEPTH OF 12 INCHES.

THROUGHOUT THE PROJECT, NO UNDERCUTS OR TRENCHES WILL BE LEFT OPEN AND UNBACKFILLED DURING EACH NIGHT OR NON-WORKING HOURS.

SAWING FOR PAVEMENT REMOVAL SHALL BE INCLUDED IN THE ITEM OF PAVEMENT AND SIDEWALK REMOVAL.

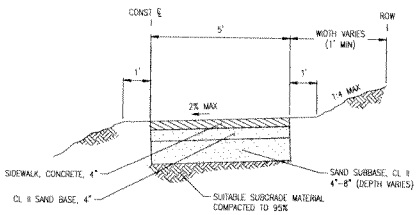
ALL SLOPES SHALL BE FINISHED AS CLASS A SLOPES. BACKFILL BEHIND ALL PROPOSED CURB WITH SOUND EARTH FILL AS SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER IS INCLUDED IN THE PLAN QUANTITY FOR STATION GRADING.

HOURS OF OPERATION

WORK MAY BE PERFORMED DURING THE HOURS OF 7:00 AM TO 7:00 PM, MONDAY THROUGH SATURDAY ONLY. WORK AT OTHER TIMES MAY BE PERFORMED ONLY BY WRITTEN PERMISSION OF THE OWNER.

QUANTITIES THIS SHEET

TOTAL	UNIT	DESCRIPTION
1	EA	Mobilization, Max 10%
1	LS	Traffic Control
102	FT	Irrigation Line
20	EA	Remove and Reset Irrigation Head
1	LS	Tree Grate Enhancement
1	LS	Angled Visitor Restaurant Seating



TYPICAL CONCRETE SIDEWALK CROSS-SECTION

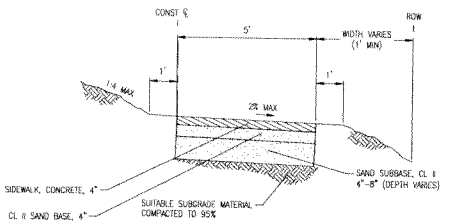
NTS

APPLIES: STA 100+00 TO STA 100+44

STA 0+00 TO STA 2+29
STA 2+29 TO STA 2+44 TRANS 2% RUNOUT

STA 2+87 TO STA 3+95
STA 3+95 TO STA 4+10 TRANS 2% RUNOUT

STA 8+85 TO STA 9+03



TYPICAL CONCRETE SIDEWALK CROSS-SECTION

NTS

APPLIES: STA 100+75 TO STA 100+95

STA 2+44 TO STA 2+72
STA 2+72 TO STA 2+87 TRANS 2% RUNOUT

STA 4+10 TO STA 8+83

NOTES:
CONCRETE THICKNESS SHALL BE INCREASED TO 6" IN DRIVEWAY CROSSINGS AND RAMPS.
SUBBASE DEPTH VARIES, SEE LETTER OF GEOTECHNICAL INVESTIGATION BY G2 CONSULTING GROUP, DATED 7/1/2015.

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SHEET	DATE	PROJ NUMBER	DES	PROJ MGR	CADD	BOOK	APPROVED BY	APPROVED BY
		0067-15-0082	JR	JR	DN			

COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
GENERAL NOTES

2 OF 8

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WATER & SEWER UTILITY SYMBOLS

EXISTING

- ST — STORM MANHOLE
- SCB — SQUARE CATCH BASIN
- RCB — ROUND CATCH BASIN
- CULVERT
- CULVERT W/O END SECTION
- CULVERT W/END SECTION
- SS — SANITARY MANHOLE
- CO — CLEAN OUT
- GV — GATE VALVE & WELL
- GATE VALVE & BOX
- W — WATER STOP BOX
- FIRE HYDRANT
- MP — METER PIT
- WATER METER
- SHS — SPRINKLER HEAD
- IRRIGATION VALVE

PROPOSED

- STORM MANHOLE
- INLET/CATCH BASIN
- CULVERT END SECTION
- SANITARY MANHOLE
- GV&W — GATE VALVE & WELL
- GV&B — GATE VALVE & BOX
- TSV&W — TAPPING SLEEVE VALVE & WELL
- TSV&B — TAPPING SLEEVE VALVE & BOX
- FIRE HYDRANT

REAL ESTATE SYMBOLS

- CONTIGUOUS PROPERTY SYMBOL
- XXXX — PARCEL NUMBER BOX
- XXXX — NO ROW IMPACTS

MISCELLANEOUS UTILITY SYMBOLS

EXISTING

- GUY WIRE
- GP — GUY POLE
- UP — UTILITY POLE
- UP W/LIGHT
- LIGHT/DECOR LAMP POLE
- FLOOD LIGHT
- GV — GAS VALVE
- GAS VENT
- G — GAS METER
- GAS RISER
- TRAFFIC SIGNAL
- PEDESTRIAN RISER
- T — TRANSFORMER PAD
- U — PRIVATE UTILITY MANHOLE
- RAILROAD CROSSING
- E — ELECTRIC METER
- PB — PHONE BOOTH
- TS — TRAFFIC SIGNAL CONTROLLER
- HAND HOLE
- E — ELECTRIC RISER
- T — TELEPHONE RISER
- C — CABLE TV RISER
- W — MONITORING WELL
- UNDERGROUND MARKER

MISCELLANEOUS SYMBOLS

EXISTING

- RIPRAP
- SIGN
- FLOW DIRECTION
- STUMP
- WETLAND
- CONIFEROUS TREE — CL 1: 1" TO 5", CL 2: 6" TO 17", CL 3: 18" TO 35", CL 4: 36" AND UP
- DECIDUOUS TREE — CL 1: 1" TO 5", CL 2: 6" TO 17", CL 3: 18" TO 35", CL 4: 36" AND UP
- CONIFEROUS SHRUB
- DECIDUOUS SHRUB
- SB# — SOIL BORING
- SECTION CORNER
- MON — MONUMENT
- IRON ROD/PIPE
- PK — PK NAIL
- BM# — BENCHMARK
- TP# — TRAVERSE POINT
- MAIL/NEWSPAPER BOX
- FP — FLAG POLE
- POST
- HAZARDOUS OR FLAMMABLE MATERIAL — USED WITH UNDERGROUND GAS & ELECTRICAL LINES
- CAUTION – CRITICAL UNDERGROUND UTILITY — USED WITH TELEPHONE & FIBER OPTIC LINES

PROPOSED

- RIPRAP
- SIGN
- FLOW DIRECTION
- STRUCTURE NUMBER — WM SAN STM
- ADA SIDEWALK RAMP

UTILITY PATTERN

EXISTING

- ELEC — ELECTRICAL *
- E (COMPANY) GAS — GAS\OIL
- (COMPANY) CABLE/TEL — CABLE/TELEPHONE *
- FIBER OPTIC — FIBER OPTIC *
- 12" WM — WATER
- 12" SAN — SANITARY
- 12" STM — STORM

PROPOSED

- 12" — STORM/SANITARY/WATER
- 12" — PRIMARY UTILITY WILL HAVE A CONTINUOUS LINESTYLE, WITH THE SECONDARY UTILITY MATCHING ITS RESPECTIVE EXISTING UTILITY LINESTYLE

*OH = OVERHEAD , UG = UNDERGROUND

ROW PATTERN

EXISTING

- ROW — ROW
- SECTION
- PROPERTY/PARCEL

PROPOSED

- ROW — ROW

TOPO PATTERN

EXISTING

- HEDGE/TREE
- FENCE
- GUARDRAIL
- CENTERLINE OF DITCH
- RAILROAD
- WETLAND/EDGE OF WATER

PROPOSED

- GRADING LIMIT (SLOPE STAKE)
- CENTERLINE OF DITCH
- GUARDRAIL
- FENCE

REMOVAL LEGEND

- SIDEWALK REMOVAL
- HMA SURFACE REMOVAL
- PAVEMENT REMOVAL
- COLD MILLING HMA SURFACE
- HMA BASE CRUSHING AND SHAPING
- EXCAVATION, EARTH, MODIFIED
- CURB AND GUTTER, REM
- TREE, REM
- S-XXXXXX — SALVAGE
- B-XXXXXX — BULKHEAD
- A-XXXXXX — ABANDON
- R-XXXXXX — REMOVE
- ADJ-XXXXXX — ADJUST
- REL-XXXXXX — RELOCATE
- REC-XXXXXX — RECONSTRUCT
- R B/O-XXXXXX — REMOVE BY OTHERS
- ADJ B/O-XXXXXX — ADJUST BY OTHERS
- REL B/O-XXXXXX — RELOCATE BY OTHERS

IF NECESSARY FOR CLARITY

- (S) — SALVAGE
- (B) — BULKHEAD
- (A) — ABANDON
- (C) — CLEARING
- (R) — REMOVE
- (REL) — RELOCATE
- (REC) — RECONSTRUCT
- (REL B/O) — RELOCATE BY OTHERS
- (ADJ B/O) — ADJUST BY OTHERS

SPECIAL LEGEND

- (L) — LANDING
- (R) — RAMP

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REVISIONS

DRAFT NOT FOR CONSTRUCTION

DATE	DESCRIPTION	INITIALS

DESIGNED: ENG | DRAWN: JP | CHECKED: JM | APPROVED: BM | SCALE: N.T.S. | PROJECT MANAGER: DETROIT LAKES TOWNSHIP | COUNTY: WASHTENAW | LOCATION: MICHIGAN | PROJECT NUMBER: 0151-14-0012

COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK

LEGEND

SHEET 3 OF 9

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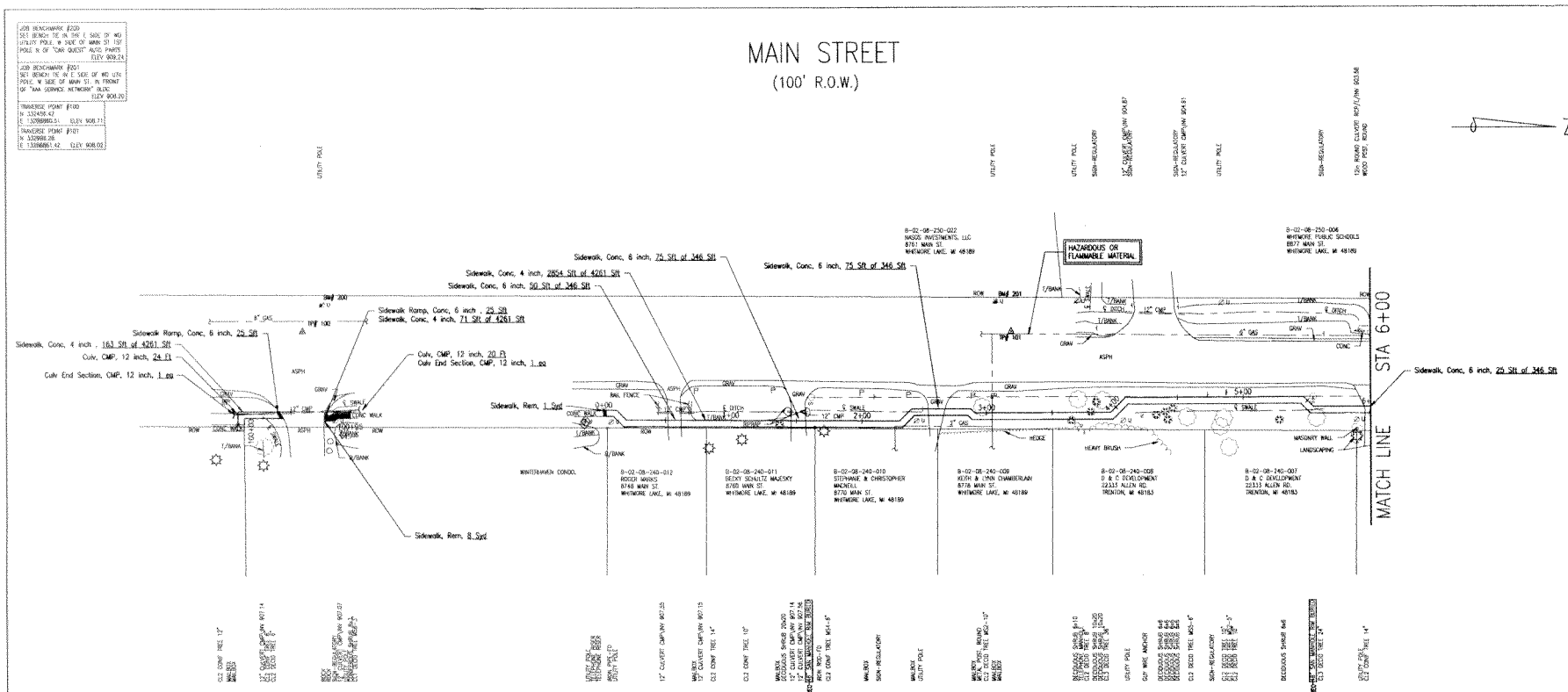

JOB BENCHMARK #220
SET BENCH TIE IN THE E SIDE OF WO UTILITY POLE, W SIDE OF MAIN ST 1ST POLE N OF "CAR QUEST" AUTO PARTS
ELEV 909.24

JOB BENCHMARK #221
SET BENCH TIE IN E SIDE OF WO UTILITY POLE, W SIDE OF MAIN ST. IN FRONT OF "AAA SERVICE NETWORK" BLDG.
ELEV 908.26

TRAVERSE POINT #100
N 332456.42
E 13268880.51 ELEV 908.71

TRAVERSE POINT #101
N 332988.28
E 13268881.42 ELEV 908.02

EXISTING STRUCTURE ADJUST / RECONSTRUCT SCHEDULE

STA	OFFSET	STRUCTURE TYPE	CASTING ELEVATION		ADJUST OR RECONSTRUCT
			EXISTING	PROPOSED	
Y+59	18' L	SAN - MH	BURIED	908.47	RECONSTRUCT
5+49	5' L	SAN - MH	BURIED	907.27	RECONSTRUCT

QUANTITIES THIS SHEET

TOTAL	UNIT	DESCRIPTION
[illegible]	Mst	Street Grading
6	Syd	Pvmt, Rem
[illegible]	Syd	Sidewalk, Rem
[illegible]	Ft	Culv, CMP, 12 inch
2	Ea	Culv End Sect, CMP, 12 inch
2	Ea	Reconstruct Sanitary Structure
159	Ton	Bit of Base, CL III
5981	Sft	Sidewalk, Conc, 4 inch
56	Sft	Sidewalk Ramp, Conc, 6 inch
225	Sft	Sidewalk, Conc, 6 inch

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Livonia, MI 48150
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COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
CONSTRUCTION PLAN

Know what's below. Call before you dig.

SHEET 4 OF 9

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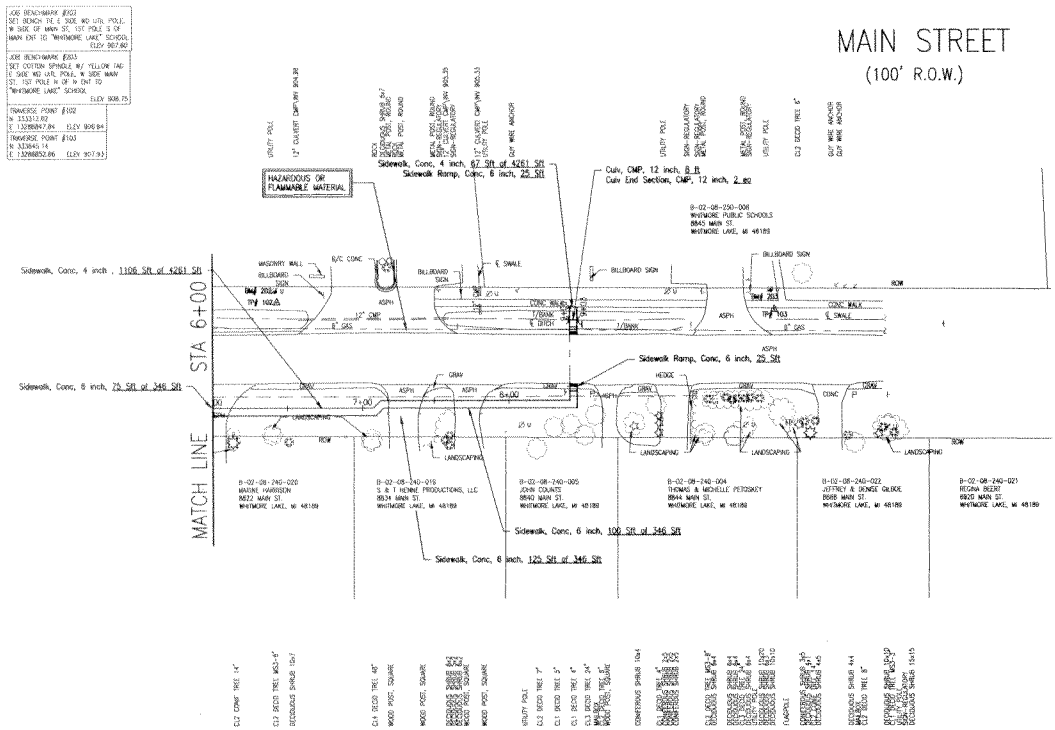

JOB BENCHMARK #101
SET BENCH TIE E SIDE WD UTL POLE, W SIDE OF MAIN ST, 1ST POLE S OF MAIN INT TO "WHITMORE LAKE" SCHOOL
ELEV 967.82

JOB BENCHMARK #103
SET COTTON SPINDLE W/ YELLOW TAG E SIDE WD UTL POLE, W SIDE MAIN ST, 1ST POLE N OF & ENT TO "WHITMORE LAKE" SCHOOL
ELEV 936.75

TRAVERSE POINT #102
N 13331.02
E 13288047.84 ELEV 969.84

TRAVERSE POINT #103
N 13364.14
E 13288052.86 ELEV 967.93

QUANTITIES THIS SHEET

TOTAL	UNIT	DESCRIPTION
2.7	Ac	Station Grading
1	Sgnt	Mast. Item
8	FF	Culv, CMP, 12 inch
2	EA	Culv End Sect CMP, 12 inch
47	Ton	Base Subbase, CL II
1071	SH	Sidewalk, Conc, 4 inch
50	SH	Sidewalk Ramp, Conc, 6 inch
300	SH	Sidewalk, Conc, 6 inch

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COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
CONSTRUCTION PLAN

SHEET 5 OF 9

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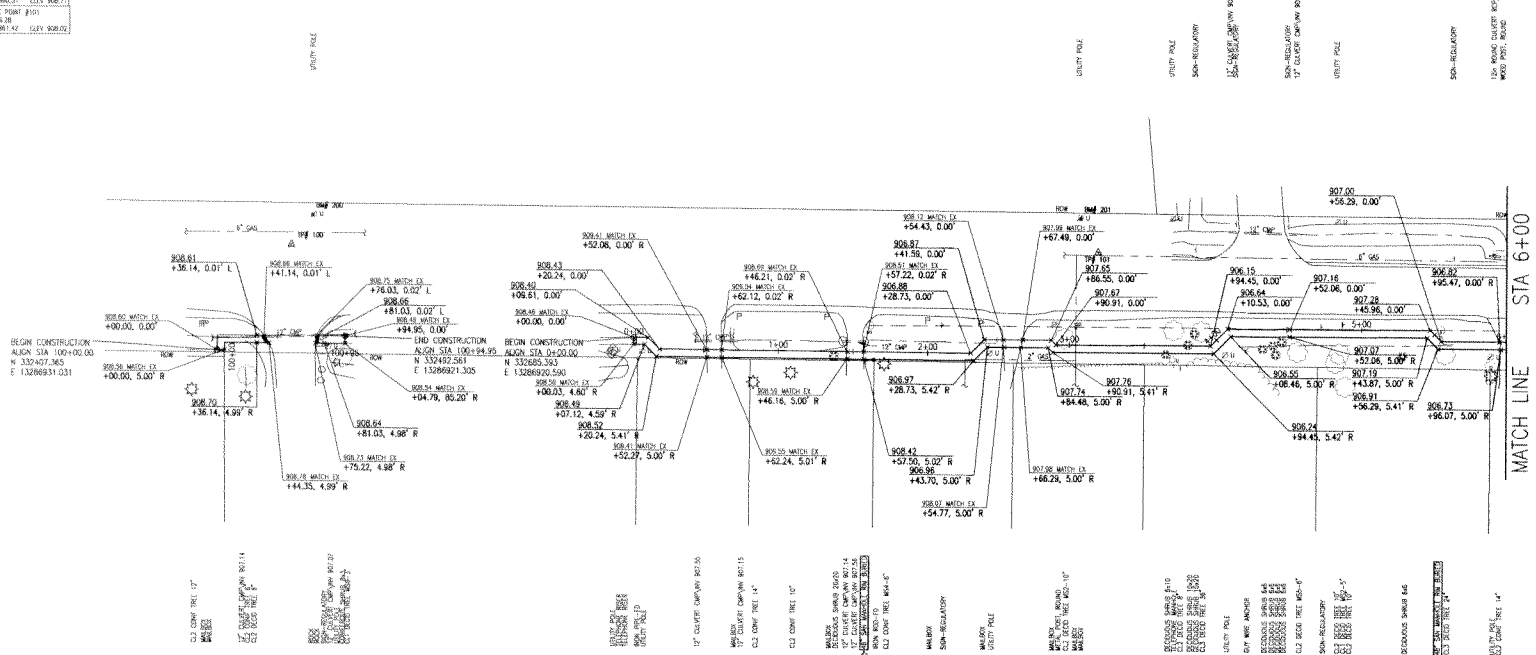
JOB BENCHMARK #200
SET BENCH TIE IN THE L SIDE OF WD UTILITY POLE, W SIDE OF MAIN ST 150' POLE N OF "DAR QUEST" AUTO PARTS
ELEV. 909.24

JOB BENCHMARK #201
SET BENCH TIE IN E SIDE OF WD UTIL POLE, W SIDE OF MAIN ST IN FRONT OF "AAA SERVICE NETWORK" BLDG
ELEV. 909.20

TRAVERSE POINT #100
N 332458.42
E 13286980.51 ELEV. 908.71

TRAVERSE POINT #101
N 332806.28
E 13286891.42 ELEV. 908.02

MAIN STREET
(100' R.O.W.)



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COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK

GRADING PLAN

SHEET 6 OF 9

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DRAWING PATH: P:\CAD_PROJECTS\2015\0158\0158D-Road_MI_Bike_Sidewalk\Drawings\CivilPlans_Sheet\GRADING.dwg Aug 28, 2015 - 11:19am

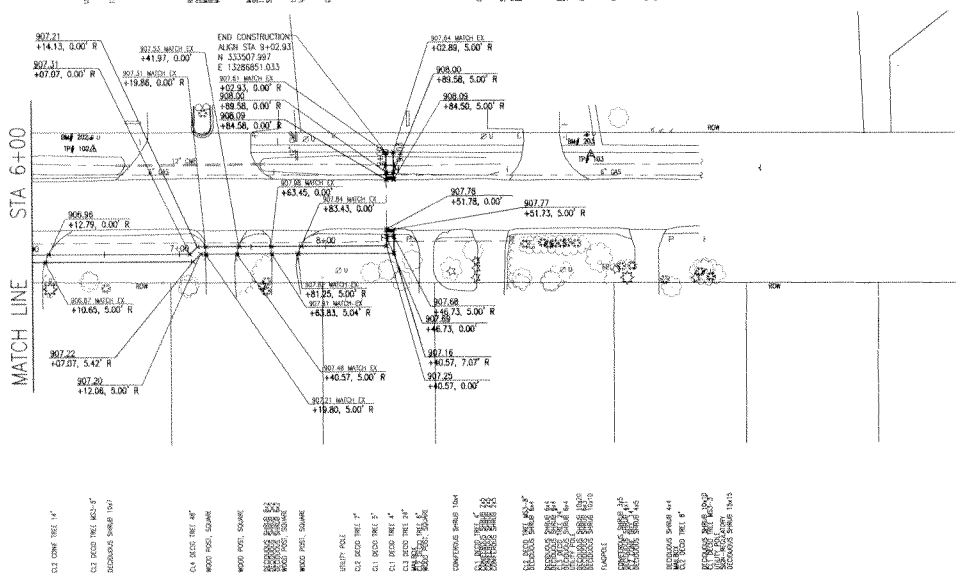
JOB BENCHMARK #202
SET BENCH TIE E SIDE WD UTIL POLE, W SIDE OF MAIN ST, 1ST POLE S OF MAIN ENT TO "WHITMORE LAKE" SCHOOL
ELEV 907.60

JOB BENCHMARK #203
SET CUTTON SPINDLE W/ YELLOW TAG E SIDE WD UTIL POLE, W SIDE MAIN ST, 1ST POLE N OF N ENT TO "WHITMORE LAKE" SCHOOL
ELEV 908.75

TRAVERSE POINT #102
N 333312.87
E 13286847.84 ELEV 906.94

TRAVERSE POINT #103
N 333645.14
E 13286852.86 ELEV 907.93

MAIN STREET
(100' R.O.W.)



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COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
GRADING PLAN

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DRAWING PATH: P:\726_R\5951\1153020_main st cdbg_plan\all Drawings\Civil\Plans_Cover\5953CC01.dwg Aug 28, 2015 - 10:18am

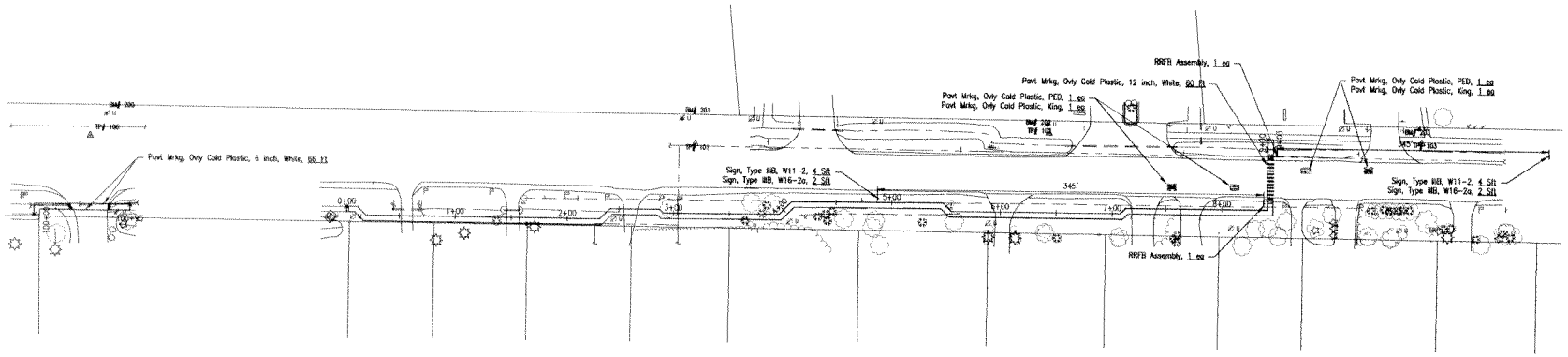
JOB BENCHMARK #202
SET BENCH TOP E SIDE WD UTL POLE, W SIDE OF MAIN ST, 1ST POLE S OF MAIN ENT TO "WHITMORE LAKE" SCHOOL
ELEV 907.60

JOB BENCHMARK #203
SET COTTON SPINDLE W/ YELLOW TAG E SIDE WD UTL POLE, W SIDE MAIN ST, 1ST POLE S OF N ENT TO "WHITMORE LAKE" SCHOOL
ELEV 908.75

TRAVERSE POINT #102
N 333312.82
E 1286847.84
ELEV 908.94

TRAVERSE POINT #103
N 333845.14
E 1286852.88
ELEV 907.93

MAIN STREET
(100' R.O.W.)



SIGNING PLAN				
SIGN TYPE	DESCRIPTION	SIZE (SFT)	QUANTITY	TOTAL SFT
W11-2	PEDESTRIAN WARNING	4	4	16
W16-2a	345 FT PLAQUE	2	2	4
W16-7p	DIAGONAL ARROW PLAQUE	2	2	4

QUANTITIES THIS SHEET

TOTAL	UNIT	DESCRIPTION
32	Ft	Post, Steel, 3 lb
12	Sft	Sign, Type IIB
2	Ea	RRFB Assembly
66	Ft	Pvmt Mrkg, Ovly Cold Plastic, 6 inch, White
60	Ft	Pvmt Mrkg, Ovly Cold Plastic, 12 inch, White
2	Ea	Pvmt Mrkg, Ovly Cold Plastic, PED
2	Ea	Pvmt Mrkg, Ovly Cold Plastic, Xing

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COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
PAVEMENT MARKINGS

SHEET 8 OF 9

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DRAWING PATH: P:\2015\15015000\cad_rpts\13_Sidewalk\Drawings\Civil\Plans_Const\15000CON.dwg, Aug 28, 2015 - 10:13am

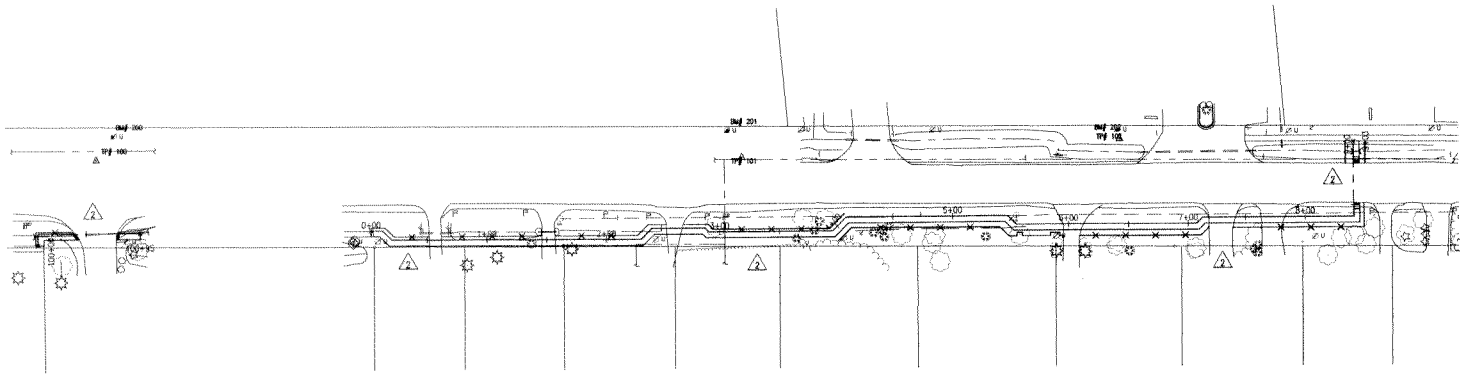
JOB BENCHMARK #202
SET BENCH TIE E. SIDE NO UTIL POLE, W SIDE OF MAIN ST. 1ST POLE S. OF MAIN ENT TO "WHITMORE LAKE" SCHOOL
ELEV 907.60

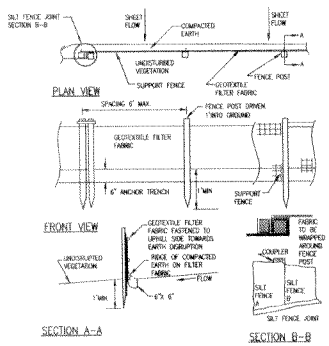
JOB BENCHMARK #203
SET COTTON SPINDLE W/ YELLOW TAG E SIDE NO UTIL POLE, W SIDE MAIN ST. 1ST POLE N OF N ENT TO "WHITMORE LAKE" SCHOOL
ELEV 908.73

TRAVERSE POINT #102
N 533312.82
E 1328684.84 ELEV 908.94

TRAVERSE POINT #103
N 533645.14
E 1328882.88 ELEV 907.93

MAIN STREET
(100' R.O.W.)





SILT FENCE (SP-2)
N.T.S.

QUANTITIES THIS SHEET

TOTAL	UNIT	DESCRIPTION
1,574	FT	Temporary Geotextile Silt Fence

CONSTRUCTION SEQUENCE

1. REMOVE TREES AND BRUSH.
2. INSTALL SOIL EROSION CONTROL MEASURES.
3. REMOVE EXISTING PAVEMENT.
4. ROUGH GRADE AREA.
5. INSTALL PROPOSED SIDEWALK.
6. FINAL GRADING.
7. STABILIZE GROUND W/ VEGETATION AS NEEDED WITHIN FIVE DAYS OF COMPLETION OF FINAL GRADING.

NOTES

CONTRACTOR SHALL COMPLY WITH REQUIREMENTS OF THE SOIL EROSION AND SEDIMENTATION CONTROL ACT OF THE STATE OF MICHIGAN, PART 91 OF ACT 451, OF THE PUBLIC ACTS OF 1994; WASHTENAW COUNTY WATER RESOURCES COMMISSIONER.

1. THE CONTRACTOR SHALL CONDUCT OPERATIONS IN A MANNER THAT WILL REDUCE ACCELERATED EROSION TO THE PRACTICAL MINIMUM AND PREVENT DAMAGING SILTATION TO EXISTING SEWERS AND WATER COURSES LEAVING FROM THE WORK SITE.
2. THE CONTRACTOR SHALL CONDUCT WORK IN SUCH A MANNER AS TO PREVENT THE ENTRY OF FUELS, OILS, BITUMINOUS MATERIALS, CHEMICALS, SEWERAGE OR OTHER HARMFUL MATERIALS INTO NEARBY LAKES AND STREAMS.
3. WASTE DISPOSAL AREAS SHALL BE SELECTED BY THE CONTRACTOR WITH FULL CONSIDERATION OF EROSION AND SEDIMENT CONTROL. SELECTION OF DISPOSAL SITE, AND CONTROL OF OPERATIONS, AND THE RESTORATION OF SAID AREAS SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
4. EXCAVATION FROM THE RIGHT-OF-WAY, CHANNELS, OR OTHER MATERIAL SHALL NOT BE DEPOSITED IN OR NEAR RIVERS, STREAMS OR PONDS WHERE IT MAY ENTER THE WATERWAY.
5. AT THE COMPLETION OF EACH DAYS CONSTRUCTION, CARE SHALL BE TAKEN TO ENSURE THAT MINIMAL EROSION WILL OCCUR IN TRENCHES AND TO STOCKPILED MATERIALS UNTIL RESUMPTION OF WORK.
6. CONTRACTOR SHALL CONFINE OPERATIONS TO THE MINIMUM AMOUNT OF WORKING SPACE PRACTICAL TO MINIMIZE SOIL EROSION.
7. THE PROJECT WILL BE CONTINUALLY INSPECTED BY THE ENGINEER FOR EROSION CONTROL COMPLIANCE. DEFICIENCIES WILL BE CORRECTED BY THE CONTRACTOR IMMEDIATELY UPON NOTICE OF SUCH DEFICIENCIES. FAILURE TO CORRECT THE DEFICIENCIES MAY RESULT IN THE ISSUANCE OF A STOP WORK ORDER AND THERE WILL BE NO CONTRACT TIME EXTENSION FOR THIS ISSUED STOPPAGE.
8. TEMPORARY SOIL EROSION CONTROL MEASURES CONSISTING OF SILT FENCE, MULCHING, AND INLET FILTER TRAPS SHALL BE IMPLEMENTED THROUGHOUT THE ENTIRE CONSTRUCTION PHASE OF THE PROJECT, AND SHALL BE REMOVED BY THE CONTRACTOR AFTER THE PERMANENT SOIL EROSION MEASURES HAVE BEEN COMPLETED.
9. MULCH BLANKET OR HIGH VELOCITY MULCH BLANKET WITH NETTING TIE DOWN OR OTHER APPROVED MULCH SYSTEM SHALL BE PLACED ON DISTURBED SLOPES WHERE DIRECTED BY THE ENGINEER WHEN THE WORK IS PERFORMED DURING THE PERIOD FROM OCTOBER 1ST THROUGH APRIL 15TH. ALL SLOPES GREATER THAN 1V:6H (16%) SHALL BE STABILIZED WITH MULCH BLANKET.
10. PERMANENT SOIL EROSION MEASURES CONSISTING OF THM MIXTURE SEED AND MULCH BLANKET SHALL BE COMPLETED WITHIN 15 CALENDAR DAYS OF FINAL GRADING. IN THE EVENT IT IS NOT POSSIBLE TO PERMANENTLY STABILIZE THE AREA DUE TO SEASONAL LIMITATIONS, THE TEMPORARY MEASURES SHALL REMAIN IN FORCE AND SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL SUCH TIME AS IT IS PRACTICAL TO COMPLETE THE PERMANENT CONTROL MEASURES.
11. THE ENGINEER SHALL HAVE FULL AUTHORITY TO TEMPORARILY SUSPEND WORK IN THE EVENT THAT ANY OF THE ABOVE REQUIREMENTS ARE NOT BEING MET BY THE CONTRACTOR, OR IF CONDITIONS INDICATE THAT ADDITIONAL TEMPORARY CONTROL MEASURES ARE WARRANTED.
12. THE CONTRACTOR SHALL CLEAN OUT SEDIMENT TRAPS, INLET FILTERS, AND CHECK DAMS ON A BI-WEEKLY BASIS OR AS REQUIRED AFTER RAIN EVENTS.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STREET SWEEPING AND DUST CONTROL.

LEGEND
- MDOT SOIL EROSION SPEC.
- INLET FILTER
- GEOTEXTILE SILT FENCE

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COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
SOIL EROSION AND SEDIMENTATION CONTROL

DATE	PROJ NUMBER	DWG	CADD	COUNTY	SHEET
08/28/2015	0061-140055	2	SW	WASHTENAW	9 OF 9

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OPINION OF PROBABLE CONSTRUCTION COST

ORCHARD, HILTZ & McCLIMENT, INC.
34000 Plymouth Road, Livonia, Michigan, 48150
Telephone: (734) 522-6711 FAX: (734) 466-4557

PROJECT: Main Street CDBG Sidewalk
LOCATION: Northfield Township
WORK: Sidewalk

DATE: August 28, 2015
PROJECT #: 0161-15-0020
ESTIMATOR: BJS
CHECKED BY: JR
CURRENT ENR: JR

ITEM CODE	DESCRIPTION	UNIT	TOTAL	UNIT PRICE	COST
1047150	Mobilization, Max 10%	Ea	1	$ 9,000.00	$ 9,000.00
1047251	Traffic Control	LS	1	$ 5,000.00	$ 5,000.00
2037102	Station Grading	Sta	9.4	$ 2,000.00	$ 18,800.00
2040050	Pavt, Rem	Syd	24	$ 45.00	$ 1,080.00
2040055	Sidewalk, Rem	Syd	9	$ 30.00	$ 270.00
2080036	Erosion Control, Silt Fence	Ft	929	$ 4.00	$ 3,716.00
4017101	Culv, CMP, 12 inch	Ft	35	$ 100.00	$ 3,500.00
4017150	Culv End Sect, CMP, 12 inch	Ea	4	$ 45.00	$ 180.00
4037150	Reconstruct Sanitary Structure	Ea	2	$ 3,000.00	$ 6,000.00
5017131	Sand Subbase, CL II	Ton	156	$ 30.00	$ 4,680.00
8037210	Sidewalk, Conc, 4 inch	Sft	4132	$ 6.00	$ 24,792.00
8037310	Sidewalk Ramp, Conc, 6 inch	Sft	100	$ 15.00	$ 1,500.00
8037410	Sidewalk, Conc, 6 inch	Sft	525	$ 8.00	$ 4,200.00
8087101	Irrigation Line	Ft	100	$ 3.00	$ 300.00
8087150	Remove and Reset Irrigation Head	Ea	10	$ 50.00	$ 500.00
8100371	Post, Steel, 3 lb	Ft	16	$ 35.00	$ 560.00
8100405	Sign, Type IIIB	Sft	12	$ 70.00	$ 840.00
8107150	RRFB Assembly	Ea	2	$ 5,000.00	$ 10,000.00
8110025	Pavt Mrkg, Ovly Cold Plastic, 6 inch, White	Ft	66	$ 4.00	$ 264.00
8110042	Pavt Mrkg, Ovly Cold Plastic, 12 inch, White	Ft	60	$ 7.00	$ 420.00
8110046	Pavt Mrkg, Ovly Cold Plastic, Ped	Ea	2	$ 200.00	$ 400.00
8110047	Pavt Mrkg, Ovly Cold Plastic,ing	Ea	2	$ 200.00	$ 400.00
8167151	Turf Establishment	LS	1	$ 5,000.00	$ 5,000.00
8507151	Digital Video Recorded Survey	LS	1	$ 1,000.00	$ 1,000.00
					$ 102,402.00
	TOTAL OPINION OF PROBABLE CONSTRUCTION COST =				**$ 102,402.00**

Howard Fink

From: Rushlow, Jacob [jacob.rushlow@ohm-advisors.com]
Sent: Thursday, October 08, 2015 9:30 AM
To: Jennifer Carlisle; Howard Fink
Subject: RE: Road Crossing Estimate
Attachments: 9963 Sidewalk Crossing Opinion of Cost.pdf

At your request we prepared a conceptual opinion of project cost for a pedestrian crossing at 9963 Main Street. We considered both WCRC requirements and ADA compliance and included a 5'x5' concrete sidewalk ramp and one flag of 5'x5' concrete sidewalk as a level landing. The pavement markings included are high-intensity for better visibility and the signs included are advanced warning signs to alert motorists to the approaching cross walk. For budgeting purposes and because of the very conceptual nature of this opinion of cost we added a contingency of 40%. Please let me know if you have any questions regarding this information. Thank you.

JACOB Rushlow, PE
PROJECT MANAGER

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D 734.466.4517
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From: Jennifer Carlisle [mailto:Carlislej@twp.northfield.mi.us]
Sent: Wednesday, October 07, 2015 3:35 PM
To: Rushlow, Jacob
Subject: RE: Road Crossing Estimate

That's just another lot that's under discussion

From: Rushlow, Jacob [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Wednesday, October 07, 2015 3:29 PM
To: Jennifer Carlisle; 'Howard Fink'
Subject: RE: Road Crossing Estimate

Ok thanks Jennifer. What is the odd shaped parcel outlined on the map that is close to the MDOT interchange?

From: Jennifer Carlisle [mailto:Carlislej@twp.northfield.mi.us]
Sent: Wednesday, October 07, 2015 3:27 PM
To: Rushlow, Jacob; 'Howard Fink'
Subject: RE: Road Crossing Estimate

Sorry, that is on me. See attached. Just to help you understand where this is, the Building in the Center is Dirt Squirt car wash, where 8 Mile and Main St. come together. We would (hypothetically) like a crosswalk from 9963 Main St. to the

vacant lot on the water. The trapezoid-ish shape that is outlined is the 2 parcels together, and Main St. runs between them. The parcels are B-02-05-223-009 & B-02-05-222-003.

From: Rushlow, Jacob [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Wednesday, October 07, 2015 2:56 PM
To: Howard Fink; Jennifer Carlisle
Subject: Road Crossing Estimate

Howard, I am still looking for the map of the potential property purchase to help with our analysis of a mid-block crossing and cost estimate. I know you requested our estimate by tomorrow morning so you could include this information for discussion at the next Board meeting and time is running short. Please forward that map when you are able. Thanks.

JACOB Rushlow, PE
PROJECT MANAGER

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10/8/2015

CONCEPTUAL OPINION OF PROJECT COST
for
SIDEWALK CROSSING AT 9963 MAIN ST.
Northfield Township, Washtenaw County, Michigan

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Earthwork, Grading	1	LS	$ 500.00	**$ 500.00**
2	Soil Erosion and Sedimentation Control	1	LS	$ 500.00	**$ 500.00**
3	Sidewalk Ramp, Conc, ADA, 6"	50	SFT	$ 15.00	**$ 750.00**
4	Sidewalk, Conc, 6"	50	SFT	$ 8.00	**$ 400.00**
5	Pavement Markings, Overlay Cold Plastic, 6 inch white	70	FT	$ 4.00	**$ 280.00**
6	Pavement Markings, Overlay Cold Plastic, 12 inch white	60	FT	$ 7.00	**$ 420.00**
7	Pavement Markings, Overlay Cold Plastic, PED X ING	2	EA	$ 400.00	**$ 800.00**
8	Sign, Type IIIB	4	EA	$ 70.00	**$ 280.00**
9	Post, Steel, 3 lb	32	FT	$ 35.00	**$ 1,120.00**
10	Traffic Control	1	LS	$ 700.00	**$ 700.00**
11	Surface Restoration	1	LS	$ 200.00	**$ 200.00**

SUBTOTAL	**$ 5,948.00**
Contingencies, Permits, Engineering, Inspection (40%)	**$ 2,380.00**
TOTAL CONCEPTUAL OPINION OF PROJECT COST	**$ 8,328.00**

Howard Fink

From: Nathan Voght [voghtn@ewashtenaw.org]
Sent: Friday, December 18, 2015 10:49 AM
To: Howard Fink; 'Rushlow, Jacob'
Subject: RE: Northfield Township sidewalk

Jacob,

Is there any ROW or sidewalk easement acquisition needed at all for this sidewalk project?

Thx,

Nathan Voght, AICP
Brownfield Redevelopment Coordinator
ReImagine Washtenaw Project Manager

Washtenaw County Office of Community & Economic Development
415 W. Michigan Avenue, Suite 2200
Ypsilanti, Michigan 48197
http://www.ewashtenaw.org/

734-544-3055 (direct office)
734-660-1061 (cell)

Howard Fink

From: Rushlow, Jacob [jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, December 08, 2015 1:31 PM
To: Nathan Voght
Cc: Howard Fink
Subject: RE: Main Street Sidewalk Project Update

Thanks for the update. Yes, that tentative schedule of bidding in February sounds appropriate, pending your counsel and purchasing manager opinions. Just let me know what you hear and we can meet when ready to start pulling the final contract documents together for bidding.

Jacob

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Tuesday, December 08, 2015 11:34 AM
To: Rushlow, Jacob <jacob.rushlow@ohm-advisors.com>
Cc: Howard Fink <finkh@twp.northfield.mi.us>
Subject: RE: Main Street Sidewalk Project Update

Jacob,

I just talked to staff here conducting the EA, and it will be done mid-March. Our staff here has been conducting multiple EAs, and therefore this caused some delay to complete this project's EA. We have since split up EAs between one additional staff to speed this process up in the future, however, it has not benefitted this project.

While we cannot bid until we get official EA "Clearance," we COULD send this out for bid with language that states the project is contingent on EA Clearance and will not be actually awarded until we receive that clearance. I will have to talk to my attorney and Purchasing manager to ensure that will work.

I recommend we compile the bid documents with the assumption we can send this out in early February or so. We can then be prepared to award about 6 weeks later. Does that timing sound appropriate?

I'll contact my Purchasing Department to get all necessary templates and begin to develop the County bid template.

Thanks,

Nathan Voght, AICP
Brownfield Redevelopment Coordinator
ReImagine Washtenaw Project Manager

Washtenaw County Office of Community & Economic Development
415 W. Michigan Avenue, Suite 2200
Ypsilanti, Michigan 48197
http://www.ewashtenaw.org/

734-544-3055 (direct office)
734-660-1061 (cell)

From: Rushlow, Jacob [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, December 08, 2015 9:46 AM
To: Nathan Voght
Cc: Howard Fink
Subject: RE: Main Street Sidewalk Project Update

Nathan,

I hope you're doing well and had a fine Thanksgiving. I am doing some workload scheduling here for my design staff and wanted to touch base with you on this project. I recognize we are beyond 90 days from the date we submitted the 90% design plans and I recall that it would take about 90 days for the EA to be completed by your office. Can you provide an update on the EA status? I'd like to prepare an updated schedule for completion of the project design and bidding. I also recall you mentioned that this contract would be bid through the County and not the Township. I would like to have that confirmed before we make any changes to the contract documents.

Feel free to message back or call to discuss any details. Thanks!

JACOB Rushlow, PE
PROJECT MANAGER

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From: Rushlow, Jacob
Sent: Friday, August 28, 2015 1:56 PM
To: Nathan Voght <voghtn@ewashtenaw.org>; Howard Fink <finkh@twp.northfield.mi.us>
Cc: Jennifer Carlisle <carlislej@twp.northfield.mi.us>; Smith, Bryan <Bryan.Smith@ohm-advisors.com>
Subject: RE: Main Street 90% Plan Review Meeting

Nathan,

Attached is our updated 90% design plans and opinion of construction costs for this project. The plan changes include updates to the MDOT plan reference table on the cover sheet to include the rectangular rapid flashing beacon (RRFB) detail and updating the callouts and quantities on the Sheet 8 Pavement Markings and Signing plan. Most of the details for the RRFB item will be included into the construction specifications as an appendix.

The costs were updated to add the RRFB assembly, which includes space for a couple of the pedestrians signs needed so there was also a reduction in the quantity of signs and posts needed. The costs were also adjusted to increase mobilization, which is set at a maximum of 10% of the construction costs. I mention these notes about the costs because you may notice that the addition of the RRFB increased the estimate by slightly more than $10,000 ($10,660 to be exact) and I wanted to provide some clarification.

Please let me know if you have any questions.

Jacob

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Tuesday, August 25, 2015 9:54 AM
To: Rushlow, Jacob; Howard Fink
Cc: Jennifer Carlisle; Smith, Bryan
Subject: RE: Main Street 90% Plan Review Meeting

Jacob,

I don't need them by a particular date, but the staff person in my office (Terry) doing the EA says he needs that on the plans, so it could put a minor delay on the review. Can you have the updated plans within a week?

Nathan

From: Rushlow, Jacob [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, August 25, 2015 9:45 AM
To: Nathan Voght; Howard Fink
Cc: Jennifer Carlisle; Smith, Bryan
Subject: RE: Main Street 90% Plan Review Meeting

Hi Nathan. I was off all last week and am still trying to catch up on e-mails. To answer your question, yes we can add the RFB to the plans at the mid-block crossing. By when do you need the revised plans?

Jacob

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Friday, August 21, 2015 10:13 AM
To: Rushlow, Jacob; Howard Fink; Smith, Bryan
Cc: Jennifer Carlisle
Subject: RE: Main Street 90% Plan Review Meeting

Jacob,

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Sent: Tuesday, December 08, 2015 12:01 PM
To: Howard Fink
Subject: RE: Main Street Sidewalk Project Update

Ok, we're verifying with our HUD rep, but we're pretty sure we can do that. We'll start on the bid docs and get this ready. I'll coordinate with Jacob on this.

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As you know, Terry Brinkman in our office is currently conducting the EA for the sidewalk. Howard and I talked yesterday on the phone, and it's my understanding the Township is electing to add the flashing beacons to the mid-block crossing. Can those details be added to the construction drawings, so that our EA is conducted with that additional item included?

Thx,

Nathan

From: Rushlow, Jacob [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, July 28, 2015 1:06 PM
To: Nathan Voght; Howard Fink; Smith, Bryan
Cc: Jennifer Carlisle
Subject: RE: Main Street 90% Plan Review Meeting

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From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Friday, July 24, 2015 10:23 AM
To: Rushlow, Jacob; Howard Fink; Smith, Bryan
Cc: Jennifer Carlisle
Subject: RE: Main Street 90% Plan Review Meeting

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Sent: Monday, July 20, 2015 10:33 AM
To: Rushlow, Jacob; Howard Fink; Smith, Bryan
Cc: Jennifer Carlisle
Subject: RE: Main Street 90% Plan Review Meeting

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I'm no longer available Thurs. morning at 8:30, but could meet 10:30 to noon. I'm also now only available Wed. morning, or afternoon before 2:30 p.m.

Thx,

Nathan Voght, AICP
Brownfield Redevelopment Coordinator
ReImagine Washtenaw Project Manager

Office of Community & Economic Development
415 W. Michigan Avenue, Suite 2200
Ypsilanti, Michigan 48197
http://www.ewashtenaw.org/

734-544-3055 (direct office)
734-660-1061 (cell)

From: Rushlow, Jacob [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Wednesday, July 15, 2015 2:24 PM
To: Howard Fink; Nathan Voght; Smith, Bryan
Cc: Jennifer Carlisle
Subject: Main Street 90% Plan Review Meeting

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Wednesday 7/22 afternoon between 2:30 and 5:00
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JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

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F 734.522.6427
D 734.466.4517
C 734.812.7154

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Howard Fink

From: Rushlow, Jacob [jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, December 08, 2015 9:46 AM
To: Nathan Voght
Cc: Howard Fink
Subject: RE: Main Street Sidewalk Project Update

Nathan,

I hope you're doing well and had a fine Thanksgiving. I am doing some workload scheduling here for my design staff and wanted to touch base with you on this project. I recognize we are beyond 90 days from the date we submitted the 90% design plans and I recall that it would take about 90 days for the EA to be completed by your office. Can you provide an update on the EA status? I'd like to prepare an updated schedule for completion of the project design and bidding. I also recall you mentioned that this contract would be bid through the County and not the Township. I would like to have that confirmed before we make any changes to the contract documents.

Feel free to message back or call to discuss any details. Thanks!

JACOB Rushlow, PE
PROJECT MANAGER

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From: Rushlow, Jacob
Sent: Friday, August 28, 2015 1:56 PM
To: Nathan Voght <voghtn@ewashtenaw.org>; Howard Fink <finkh@twp.northfield.mi.us>
Cc: Jennifer Carlisle <carlislej@twp.northfield.mi.us>; Smith, Bryan <Bryan.Smith@ohm-advisors.com>
Subject: RE: Main Street 90% Plan Review Meeting

Nathan,

Attached is our updated 90% design plans and opinion of construction costs for this project. The plan changes include updates to the MDOT plan reference table on the cover sheet to include the rectangular rapid flashing beacon (RRFB) detail and updating the callouts and quantities on the Sheet 8 Pavement Markings and Signing plan. Most of the details for the RRFB item will be included into the construction specifications as an appendix.

The costs were updated to add the RRFB assembly, which includes space for a couple of the pedestrians signs needed so there was also a reduction in the quantity of signs and posts needed. The costs were also adjusted to increase mobilization, which is set at a maximum of 10% of the construction costs. I mention these notes about the costs

because you may notice that the addition of the RRFB increased the estimate by slightly more than $10,000 ($10,660 to be exact) and I wanted to provide some clarification.

Please let me know if you have any questions.

Jacob

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Tuesday, August 25, 2015 9:54 AM
To: Rushlow, Jacob; Howard Fink
Cc: Jennifer Carlisle; Smith, Bryan
Subject: RE: Main Street 90% Plan Review Meeting

Jacob,

I don't need them by a particular date, but the staff person in my office (Terry) doing the EA says he needs that on the plans, so it could put a minor delay on the review. Can you have the updated plans within a week?

Nathan

From: Rushlow, Jacob [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, August 25, 2015 9:45 AM
To: Nathan Voght; Howard Fink
Cc: Jennifer Carlisle; Smith, Bryan
Subject: RE: Main Street 90% Plan Review Meeting

Hi Nathan. I was off all last week and am still trying to catch up on e-mails. To answer your question, yes we can add the RFB to the plans at the mid-block crossing. By when do you need the revised plans?

Jacob

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Friday, August 21, 2015 10:13 AM
To: Rushlow, Jacob; Howard Fink; Smith, Bryan
Cc: Jennifer Carlisle
Subject: RE: Main Street 90% Plan Review Meeting

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Howard Fink

From: Terry Brinkman [brinkmat@ewashtenaw.org]
Sent: Friday, February 05, 2016 10:18 AM
To: Angela Westover
Cc: Howard Fink; Lindsay L. Wallace
Subject: Public Notice for Main Street Sidewalk Project (CDBG) in Northfield Township
Attachments: FONSI-NOIRROF for Main Street Northfield Twp Sidewalk Project.pdf

Hi Karen,

Could you post the attached public notice at Northfield Township Hall and other media where you post public notices?

The posting is for a public comment period related to an environmental review record for the Main Street Sidewalk Project in Northfield Township funded with Community Development Block Grant funding from the Washtenaw Urban County.

If you have any questions, please contact me.

Thanks,

Terry

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COMBINED NOTICE
NOTICE TO PUBLIC OF FINDING OF NO SIGNIFICANT IMPACT ON THE ENVIRONMENT
AND NOTICE TO PUBLIC OF REQUEST FOR RELEASE OF FUNDS

February 7, 2016

Washtenaw County
415 W. Michigan Ave., Suite 2200, P.O. Box 915
Ypsilanti, MI 48197
(734) 544-6747

REQUEST FOR RELEASE OF FUNDS

On or about **February 24, 2016**, Washtenaw County will submit a request to the U.S. Department of Housing and Urban Development (HUD) for the release of 2010-, 2011-, 2013-, 2014- and 2015 Community Development Block Grant (CDBG) Funds under Title I of the Housing and Community Development Act of 1974 as amended, to undertake a project known as the Main Street Sidewalk Project located on the east side of Main Street from Westbrook Apartments to Anna Drive and then from the Winterhaven Condos/8748 Main Street property line to 8840 Main St. and then crosses Main St. to the Whitmore Lake School located at 8845/8877 Main St. near the school sign in Northfield Township, as well as the construction and installation of a Rectangular Rapid Flashing Beacon-signaled crosswalk between 8840 Main Street and the Whitmore Lake School property located at 8845/887 Main Street in Northfield Township in the amount of $25,000 from 2010 CDBG funding, $10,000 from 2011 CDBG funding, $11,687 from 2013 CDBG funding, $9,383 from 2014 CDBG funding and $46,332 from 2015 CDBG funding.

The project will provide new sidewalks in the project corridor in the gaps between existing sidewalks as well as crosswalks of intersecting streets in the project corridor, including one Rectangular Rapid Flashing Beacon-signaled crosswalk, which is located across Main Street between 8840 Main Street and the Whitmore Lake School property located at 8845/887 Main Street. The project will provide a 5-foot wide new sidewalk that is approximately 955 linear feet in length along the Main Street Corridor. The total square footage of the new sidewalk pavement is approximately 4,700 square feet. The project includes the construction of ADA-compliant sidewalk ramps. The sidewalk will be comprised of concrete 4 inches thick, with approximately 8 to 12 inches of sand underneath the concrete. The project includes the construction of 52 feet of culverts.

This project will allow for greater pedestrian access from the residents that live along this corridor to the Whitmore Lake School site located at 8845/8877 Main Street as well as the other residences, businesses and services located along the corridor. This project will connect to the existing sidewalk segments along Main Street, connecting to the sidewalks that exists to the north of the project corridor along Main Street on the west side (via the Rectangular Rapid Flashing Beacon-signaled crosswalk) and the sidewalk that exists to the south of the project corridor that is adjacent to the Westbrook Apartments and the Northfield Township Hall located to the south. The project will further connect and integrate the Northfield Township sidewalk system. The sidewalk will improve safety for pedestrians that travel along the Main Street corridor. The total estimated development costs for the project are $102,402.

This publication is for the combined notice to the public of a Finding of No Significant Impact on the Environment and notice to the Public of a Request for Release of Funds (combined FONSI/NOI-RROF)

FINDING OF NO SIGNIFICANT IMPACT

Washtenaw County has prepared an Environmental Review Record (ERR) for the aforementioned project and has determined and gives notice that the project and the request for release of funds will have no significant impact on the human environment and accordingly, Washtenaw County has decided not to prepare an Environmental Impact Statement under the National Environmental Policy Act of 1969 (PL 91-190). The reasons for such decision not to prepare such Statement are as follows:

The project and activities proposed are not of sufficient size, scale, or mass and do not exceed the threshold criteria established for the preparation of a statement; the adverse impacts on the physical or natural environment are negligible and other impacts are beneficial; the projects will make no significant increased demand on public services and will create no pollution impacts; the extent of any

environmental impact of the activities and projects, whether beneficial or adverse are such that there will be no significant effect on the environment. An Environmental Review Record of the described activities has been made by Washtenaw County, which documents the environmental review of the activities and project and more fully sets forth the reasons why such Statement is not required. The project is identified as environmentally assessed and an Environmental Assessment was prepared. The Environmental Review Record is on file in the Washtenaw County Office of Community and Economic Development, 415 W. Michigan Ave., Suite 2200, Ypsilanti, MI, and is available for public examination and copying, upon request during the weekday hours of 8:30 AM to 5 PM. No further environmental review of activities is proposed to be conducted, prior to the release of Federal funds.

PUBLIC COMMENTS

Any individual, group, or agency may submit written comments on the ERR for consideration by Washtenaw County Office of Community and Economic Development. Such written comments should be received at the address listed above on or before **February 22, 2016**. All such comments so received will be considered and the County will not request the release of Federal funds or take any administrative action on the described activities prior to the date specified in the preceding sentence.

RELEASE OF FUNDS

Washtenaw County is certifying to HUD that the Washtenaw County and Verna J. McDaniel in her official capacity as County Administrator; consent to accept the jurisdiction of the Federal courts if an action is brought to enforce responsibilities in relation to environmental reviews, decision-making, and action; and that these responsibilities have been satisfied. The legal effect of the certification is that upon its approval, Washtenaw County may use the funds, and HUD will have satisfied its responsibilities under the National Environmental Policy Act of 1969.

OBJECTIONS TO THE RELEASE OF FUNDS:

HUD will accept objections to its approval of the release of funds and acceptance of the certification only if it is on one of the following bases: a) That the certification was not in fact executed by the chief executive officer or other officer of applicant approved by HUD; or b) that Washtenaw County's environmental review records for the project indicates omission of a required decision, finding, or step applicable to the project in the environmental review process; or c) the grant recipient has committed funds or incurred costs not authorized by 24 CFR Part 58 before approval of a release of funds by HUD; or d) another federal agency acting pursuant to 40 CFR Part 1504 has submitted a written finding that the project is unsatisfactory from the standpoint of environmental quality. Objections must be prepared and submitted in accordance with the required procedures (24 CFR Part 58, Sec. 58.76), and may be addressed to HUD at its Area Office, 15th Floor, Patrick V. McNamara Building, 477 Michigan Avenue, Detroit, Michigan 48226. No objection received after **March 10, 2016** will be considered by HUD.

Verna J. McDaniel, County Administrator
220 N. Main
P.O. Box 8645
Ann Arbor, MI 48107

Howard Fink

From: Terry Brinkman [brinkmat@ewashtenaw.org]
Sent: Friday, February 05, 2016 10:20 AM
To: Angela Westover
Cc: Howard Fink; Lindsay L. Wallace
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Attachments: FONSI-NOIRROF for Main Street Northfield Twp Sidewalk Project.pdf

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Howard Fink

From: Howard Fink [finkh@twp.northfield.mi.us]
Sent: Friday, February 05, 2016 10:28 AM
To: 'Terry Brinkman'; 'Angela Westover'
Cc: 'Lindsay L. Wallace'; Jennifer Carlisle
Subject: RE: Public Notice for Main Street Sidewalk Project (CDBG) in Northfield Township

Hi Terry,
The posting will occur.
Thanks,
Howard

Howard Fink
Northfield Township Manager
8350 Main St., Ste. A
Whitmore Lake, MI 48189
Phone: (734) 449-2880 x 12
Fax: (734) 449-0123

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Cc: Lindsay L. Wallace; Jennifer Carlisle
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Howard Fink

From: Jacob Rushlow [jacob.rushlow@ohm-advisors.com]
Sent: Thursday, March 24, 2016 10:08 AM
To: Nathan Voght
Cc: Howard Fink
Subject: RE: Main Street Sidewalk Project Update

Follow Up Flag: Follow up
Flag Status: Flagged

Thanks Nathan. Hope the kid is doing better now. Yes I did receive a call from Lindsay yesterday afternoon. Here are the main points we discussed and a few items on my mind:

- Washtenaw County received authorization to use the grant funds.
- Lindsay is working on the bid proposal (RFP) contract documents and she anticipates sending that to me on or before next Wednesday 3/30.
- OHM will take those contract documents and include our technical specifications to create a complete bid package. I anticipate needing 2 weeks for this work. If we have questions with the RFP documents should we contact you or Lindsay?
- Once the combined bid package is sent back to Washtenaw County the bid release will occur, likely in mid-April.

- I assume Washtenaw County will manage the bidding process. Will you provide Northfield Township and OHM with the bid results and bid tabulation so we can review and provide recommendation for award of the contract?
- Once the contractor is known, OHM will need to provide a proposal to Washtenaw County for construction services (CA, CE, inspection).

Let me know your thoughts on those questions above and we will work together to get this out for bids. Thanks.

JACOB Rushlow, PE
PROJECT MANAGER

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Cc: Howard Fink <finkh@twp.northfield.mi.us>
Subject: RE: Main Street Sidewalk Project Update

Jacob,

I'm just now back this week from having a sick kid. I believe Lindsay Wallace was going to update you on timing. Let me know if you don't hear from her.

Thx,

Nathan

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Nathan, thought I would follow up with you regarding my message last week. Feel free to send me an e-mail with a quick update on where this sits or call me with any questions. Thanks!

Jacob

From: Jacob Rushlow
Sent: Tuesday, March 15, 2016 4:41 PM
To: 'Nathan Voght' <voghtn@ewashtenaw.org>
Cc: 'Howard Fink' <finkh@twp.northfield.mi.us>
Subject: RE: Main Street Sidewalk Project Update

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Howard Fink

From: Nathan Voght [voghtn@ewashtenaw.org]
Sent: Thursday, March 24, 2016 9:55 AM
To: 'Jacob Rushlow'
Cc: Howard Fink
Subject: RE: Main Street Sidewalk Project Update

Jacob,

I'm just now back this week from having a sick kid. I believe Lindsay Wallace was going to update you on timing. Let me know if you don't hear from her.

Thx,

Nathan

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Nathan Voght, AICP
Brownfield Redevelopment Coordinator
ReImagine Washtenaw Project Manager

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Ypsilanti, Michigan 48197
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Wednesday 7/22 afternoon between 2:30 and 5:00
Thursday 7/23 morning at 8:30 or afternoon between 2:30 and 4:00

JACOB A. Rushlow, PE
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Howard Fink

From: Jacob Rushlow [jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, March 15, 2016 4:42 PM
To: 'Nathan Voght'
Cc: 'Howard Fink'
Subject: RE: Main Street Sidewalk Project Update

Hi Nathan. I understand that the EA for this project received a FONSI. Is the project clear to proceed with final contract documents and bidding? I'd like to discuss the schedule with you so we have an understanding of what is needed and when so I can plan accordingly. I also recall you wanted to have this project bid through the County (instead of the Township) and were working on getting the standard contract documents for our use. Are those documents available? Feel free to call me with any questions. Thanks.

JACOB Rushlow, PE
PROJECT MANAGER

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From: Rushlow, Jacob
Sent: Tuesday, December 8, 2015 1:30 PM
To: Nathan Voght <voghtn@ewashtenaw.org>
Cc: Howard Fink <finkh@twp.northfield.mi.us>
Subject: RE: Main Street Sidewalk Project Update

Thanks for the update. Yes, that tentative schedule of bidding in February sounds appropriate, pending your counsel and purchasing manager opinions. Just let me know what you hear and we can meet when ready to start pulling the final contract documents together for bidding.

Jacob

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Tuesday, December 08, 2015 11:34 AM
To: Rushlow, Jacob <jacob.rushlow@ohm-advisors.com>
Cc: Howard Fink <finkh@twp.northfield.mi.us>
Subject: RE: Main Street Sidewalk Project Update

Jacob,

I just talked to staff here conducting the EA, and it will be done mid-March. Our staff here has been conducting multiple

EAs, and therefore this caused some delay to complete this project's EA. We have since split up EAs between one additional staff to speed this process up in the future, however, it has not benefitted this project.

While we cannot bid until we get official EA "Clearance," we COULD send this out for bid with language that states the project is contingent on EA Clearance and will not be actually awarded until we receive that clearance. I will have to talk to my attorney and Purchasing manager to ensure that will work.

I recommend we compile the bid documents with the assumption we can send this out in early February or so. We can then be prepared to award about 6 weeks later. Does that timing sound appropriate?

I'll contact my Purchasing Department to get all necessary templates and begin to develop the County bid template.

Thanks,

Nathan Voght, AICP
Brownfield Redevelopment Coordinator
ReImagine Washtenaw Project Manager

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415 W. Michigan Avenue, Suite 2200
Ypsilanti, Michigan 48197
http://www.ewashtenaw.org/

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From: Rushlow, Jacob [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, December 08, 2015 9:46 AM
To: Nathan Voght
Cc: Howard Fink
Subject: RE: Main Street Sidewalk Project Update

Nathan,

I hope you're doing well and had a fine Thanksgiving. I am doing some workload scheduling here for my design staff and wanted to touch base with you on this project. I recognize we are beyond 90 days from the date we submitted the 90% design plans and I recall that it would take about 90 days for the EA to be completed by your office. Can you provide an update on the EA status? I'd like to prepare an updated schedule for completion of the project design and bidding. I also recall you mentioned that this contract would be bid through the County and not the Township. I would like to have that confirmed before we make any changes to the contract documents.

Feel free to message back or call to discuss any details. Thanks!

JACOB Rushlow, PE
PROJECT MANAGER

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Sent: Friday, August 28, 2015 1:56 PM
To: Nathan Voght <voghtn@ewashtenaw.org>; Howard Fink <finkh@twp.northfield.mi.us>
Cc: Jennifer Carlisle <carlislej@twp.northfield.mi.us>; Smith, Bryan <Bryan.Smith@ohm-advisors.com>
Subject: RE: Main Street 90% Plan Review Meeting

Nathan,

Attached is our updated 90% design plans and opinion of construction costs for this project. The plan changes include updates to the MDOT plan reference table on the cover sheet to include the rectangular rapid flashing beacon (RRFB) detail and updating the callouts and quantities on the Sheet 8 Pavement Markings and Signing plan. Most of the details for the RRFB item will be included into the construction specifications as an appendix.

The costs were updated to add the RRFB assembly, which includes space for a couple of the pedestrians signs needed so there was also a reduction in the quantity of signs and posts needed. The costs were also adjusted to increase mobilization, which is set at a maximum of 10% of the construction costs. I mention these notes about the costs because you may notice that the addition of the RRFB increased the estimate by slightly more than $10,000 ($10,660 to be exact) and I wanted to provide some clarification.

Please let me know if you have any questions.

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Howard Fink

From: Lindsay L. Wallace [wallacel@ewashtenaw.org]
Sent: Monday, April 04, 2016 3:45 PM
To: 'jacob.rushlow@ohm-advisors.com'
Cc: Nathan Voght; Howard Fink
Subject: Northfield Township RFP #6881
Attachments: RE: Northfield Sidewalk RFP Price Sheet Request; RFP - Northfield Sidewalk RFP 6881.doc

Hi Jacob:

Attached you will find a draft copy of the RFP #6881 for the Main Street Sidewalk Project. Please note the following:

1) The dates in the RFP are tentative and subject to change. I would like to see if these dates work for both the Township and our Purchasing department. Please let me know if you require changes.
2) The walk-through; does the Township wish to participate in this? I believe we discussed this on the phone but wasn't certain. As of right now, I put the location of the walk through at the Township Office, please let me know if you would like a different location put down in the RFP.
3) Scope of work – can you please modify this to meet your specs/requirements? This can be found in section V. of the RFP.
4) Price Sheet – can you please give me a list of activities/tasks that need to be performed so that I can create a price sheet that's standard for all vendors to use? Please see Email from 3/29 attached.

If you have any questions, concerns or comments on this, please let me know.

Thanks so much and best,

Lindsay Wallace

Office of Community & Economic Development
PO Box 915, 415 W. Michigan Ave., Suite 2200
Ypsilanti, MI 48197
tel: 734-544-3056 fax: 734-544-6749
web:www.ewashtenaw.org/oced

OFFICE OF COMMUNITY & ECONOMIC DEVELOPMENT
Collaborative solutions for a promising future

REQUEST FOR PROPOSAL

#6881

Main Street Sidewalk Improvements

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Northfield Township

FOR

Washtenaw County
Office of Community & Economic Development

Issued By:

Washtenaw County Purchasing
Administration Building
220 N. Main Street
Ann Arbor, MI 48104

Angela O. Perry
Purchasing Manager
(734) 222-6768

Proposal Submitted by:

_____

Please type Bidder's Company Name & **include as proposal cover**

WASHTENAW COUNTY
Finance Department

Purchasing Division

220 N. Main, Ann Arbor, MI 48104
Phone (734) 222-6760, Fax (734) 222-6764
www.purchasing.ewashtenaw.org

RFP #6881

Month, Date, Year (bid solicitation date)

Washtenaw County Purchasing Division on behalf of Washtenaw County Office of Community and Economic Development (OCED) (Washtenaw County Department) is issuing a sealed RFP #6881for construction of new ADA compliant concrete sidewalks between existing sidewalks, new ADA compliant crosswalks of intersecting streets in the project corridor, new ADA compliant sidewalk ramps, including one Rectangular Rapid Flashing Beacon-signaled crosswalk. Effective July 1, 2015, the County has a new Local Vendor Preference (LVP) policy. Federal funded programs, whether they are receiving the funds directly or as a State pass through are exempt from the LVP policy as mandated by the Federal Register 2 CFR Chapter I, Chapter II Part 200 section 200.319 Competition 7(b) effective December 26, 2014. The project described in this RFP is federally funded and, therefore, exempt from the LVP policy. This project is being supported by Community Development Block Grant (CDBG) funds.

Sealed Proposals: Vendor will deliver one (1) **unbound original** and three (3) **bound copies each with the pricing page flagged** to the County location specified below. In addition, vendor will also deliver an electronic copy on a USB drive, CD-RW, or DVD in pdf format to the location specified below:

Washtenaw County
Administration Building
Purchasing Division
220 N. Main St. Basement
Ann Arbor, MI 48104

By MAY 11, 2016 at 3:00pm EST

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A **Mandatory Pre Bid meeting** will be held at the Northfield Township Office, 8350 Main Street, #A, Whitmore Lake, MI 48189 on Friday April 22, 2016 at 10:00AM

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Proposals received after the above cited time will be considered a late bid and are not acceptable unless waived by the Purchasing Manager.

- Your proposal submission envelope(s) must be clearly marked *including FedEx & UPS package labels* **"SEALED RFP#6881"**
- Please direct purchasing and procedural questions regarding this RFP to Angela O. Perry **via e-mail only** to perrya@ewashtenaw.org**.**
- Please direct technical questions regarding this RFP to Dept contact **via e-mail only** at **Lindsay Wallace, Management Analyst, at wallacel@ewashtenaw.org.**

Thank you for your interest.

BID #6881 Main Street Sidewalk Improvements – Northfield Township

PROPOSAL INFORMATION

I. PROPOSAL DEFINITIONS

Definitions

"Bidder"	An individual or business submitting a bid to Washtenaw County
"Contractor/Vendor"	One who contracts to perform services in accordance with a contract
"County"	Washtenaw County in Michigan
"Department"	Office of Community & Economic Development

II. TERMS

A. Washtenaw County reserves the right to reject any and all proposals received as a result of this RFP. If a proposal is selected, it will be the most advantageous regarding price, quality of service, the CONTRACTORS qualifications and capabilities to provide the specified service, and other factors that the County may consider. The County does not intend to award a contract fully on the basis of any response made to the proposal; the County reserves the right to consider proposals for modifications at any time before a contract would be awarded and negotiations would be undertaken with that CONTRACTOR whose proposal is deemed to best meet the County's specifications and needs.

B. The County reserves the right to reject any or all bids, to waive or not waive informalities or irregularities in bids or bidding procedures, and to accept or further negotiate cost, terms, or conditions of any bid determined by the County to be in the best interests of the County even though not the lowest bid.

C. Proposals must be signed by an official authorized to bind the CONTRACTOR to its provisions for at least a period of 90 days. Failure of the successful bidder to accept the obligation of the contract may result in the cancellation of any award.

D. In the event it becomes necessary to revise any part of the RFP, addenda will be provided. Deadlines for submission of RFP's may be adjusted to allow for revisions. To be considered, **one (1) unbound original and three (_3__) copies** and an electronic version in pdf format, submitted on CD-RW, DVD or USB drive must be at the County as indicated on or before the date specified.

E. Proposals should be prepared simply and economically providing a straight-forward, concise description of the CONTRACTOR'S ability to meet the requirements of the RFP. Proposals must be typed. No erasures are permitted. Mistakes may be crossed out and corrected and must be initialed in ink by the person signing the proposal. *CONTRACTOR shall ensure that proposals are submitted using both sides of recycled paper whenever practicable.*

F. The initial award of this contract shall be for a period of 1 year(s), with an option to renew an additional six months(s), pending agreement by both parties.

G. CONFLICT OF INTEREST. Contractor warrants that to the best of contractor's knowledge, there exists no actual or potential conflict between contractor and the County, and its Services under this request, and in the event of change in either contractor's private interests or Services under this request, contractor will inform the County regarding possible conflict of interest which may arise as a result of the change. Contractor also affirms that, to the best of contractor's knowledge, there exists no actual or potential conflict between a County employee and Contractor.

H. The bidder shall be responsible for all costs incurred in the development and submission of this response. Washtenaw County assumes no contractual obligation as a result of the issuance of this RFP, the preparation or submission of a response by a bidder, the evaluation of an accepted response, or the selection of finalists. All proposals, including attachments, supplementary materials, addenda, etc. shall become the property of Washtenaw County and will not be returned to the bidder.

I. Any responses, materials, correspondence, or documents provided to Washtenaw County under this solicitation are subject to the State of Michigan Freedom of Information Act and may be released to third parties in compliance with that Act.

J. Local Vendor Preference – A policy adopted by the Washtenaw County Board of Commissioners (BOC) that shall govern the procurement of goods, services and food from local vendors located in Washtenaw County and the State of Michigan. The intent of the BOC is to encourage and promote economic growth and regional job development. The policy shall be applied to Washtenaw County operated programs as allowed, except those that are federally funded directly or indirectly. All other Procurement Policies and Procedures remain in full effect.

K. Vendor Appeal Process – Unsuccessful bidders may appeal an award of contract, lease or purchase order to the County Administrator. All appeals shall be made in writing to the County Administrator within five (5) business days of the Notice to Award. The County Administrator shall take necessary actions to review the appeals and respond to the individual submitting an appeal within five (5) business days. This response shall be documented in writing in the bid file.

BID #6881 Main Street Sidewalk Improvements – Northfield Township

III. VENDOR SPECIFICATIONS

The proposal shall include **all** of the following information. Failure to include all of the required information may result in disqualification of a Bidder.

A. State the bidder's qualifications to provide the services required by Washtenaw County. Include years in business under your present company name, staff profile and experience.

(Attach as Addendum A)

B. List three (3) references from previous corporate or government customers purchasing similar services. Include business name, contact name and phone number.

(Attach as Addendum B)

C. Review contract provisions and insurance requirements. Note any limitations on any of the articles or providing insurance requirements as outlined in the contract provisions contained in Sample Contract.

(Attach as Addendum C)

IV. AWARD

Award will be made to the lowest responsive, responsible bidder, with the most relevant experience and best qualifications. However, the award may not be based solely on low bid alone.

V. SCOPE OF WORK

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++++++++++++++Type your specifications here++++++++++++++

VI. SAMPLE STANDARD PROVISIONS FOR CONTRACTS

If a contract is awarded, the selected contractor will be required to adhere to a set of general contract provisions which will become a part of any formal agreement. These provisions are general principles which apply to all contractors of service to Washtenaw County such as the following:

SERVICE CONTRACT - FEDERAL FUNDED **CR_____**

AGREEMENT is made this ----------_day of ---------- , 2016, by the COUNTY OF WASHTENAW, a municipal corporation, with offices located in the County Administration

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

Building, 220 North Main Street, Ann Arbor, Michigan 48107("County") and ***(NAME OF CONTRACTOR)*** located at ***(CONTRACTOR'S ADDRESS)*** ("Contractor").

Federal Awarding Agency	
Federal / State Contract Number	
Federal Program Title	
CFDA Number	
Federal Funding %	

In consideration of the promises below, the parties mutually agree as follows:

ARTICLE I - SCOPE OF SERVICES

The Contractor will ***(SPELL OUT SCOPE OF SERVICE)***

ARTICLE II - COMPENSATION

Upon completion of the above services and submission of invoices the County will pay the Contractor an amount not to exceed ***(SPELL OUT DOLLAR AMOUNT)*** in accordance with specifications described in RFP # _____.

ARTICLE III - REPORTING OF CONTRACTOR

Section 1 - The Contractor is to report to ***(DEPARTMENT HEAD TITLE)*** and will cooperate and confer with him/her as necessary to insure satisfactory work progress.

Section 2 - All reports, estimates, memoranda and documents submitted by the Contractor must be dated and bear the Contractor's name.

Section 3 - All reports made in connection with these services are subject to review and final approval by the County Administrator.

Section 4 - The County may review and inspect the Contractor's activities during the term of this contract.

Section 5 - When applicable, the Contractor will submit a final, written report to the County Administrator.

Section 6 - After reasonable notice to the Contractor, the County may review any of the Contractor's internal records, reports, or insurance policies.

ARTICLE IV - TERM

This contract begins on ***(MONTH, DAY, YEAR)*** and ends on ***(MONTH, DAY, YEAR)***, *with an option to extend an additional _____ year(s).*

ARTICLE V - PERSONNEL

DRAFT

Section 1 - The contractor will provide the required services and will not subcontract or assign the services without the County's written approval.

Section 2 - The Contractor will not hire any County employee for any of the required services without the County's written approval.

Section 3 - The parties agree that all work done under this contract shall be completed in the United States and that none of the work will be partially or fully completed by either an offshore subcontractor or offshore business interest either owned or affiliated with the contractor. For purposes of this contract, the term, "offshore" refers to any area outside the contiguous United States, Alaska or Hawaii.

ARTICLE VI - INDEPENDENT CONTRACTOR

Contractor and the County shall, at all times, be deemed to be independent contractors and nothing herein shall be construed to create or imply that there exists between the parties a partnership, joint venture or other business organization. Contractor shall hold no authority, express or implied, to commit, obligate or make representations on behalf of the County and shall make no representation to others to the contrary.

Nothing herein is intended nor shall be construed for any purpose as creating the relationship of employer and employee or agent and principal between the parties. Except as otherwise specified in this contract, Contractor retains the sole right and obligation to direct, control or supervise the details and means by which the services under this contract are provided.

Contractor shall not be eligible for, or participate in, any insurance, pension, workers' compensation insurance, profit sharing or other plans established for the benefit of the County's employees. Contractor shall be solely responsible for payment of all taxes arising out of the Contractor's activities in connection with this Agreement, including, without limitation, federal and state income taxes, social security taxes, unemployment insurance taxes and any other tax or business license fees as required. The County shall not be responsible for withholding any income or employment taxes whatsoever on behalf of the Contractor.

ARTICLE VII - INDEMNIFICATION AGREEMENT

The contractor will protect, defend and indemnify Washtenaw County, its officers, agents, servants, volunteers and employees from any and all liabilities, claims, liens, fines, demands and costs, including legal fees, of whatsoever kind and nature which may result in injury or death to any persons, including the Contractor's own employees, and for loss or damage to any property, including property owned or in the care, custody or control of Washtenaw County in connection with or in any way incident to or arising out of the occupancy, use, service, operations, performance or non-performance of work in connection with this contract resulting in whole or in part from negligent acts or omissions of contractor, any sub-contractor, or any employee, agent or representative of the contractor or any sub-contractor.

ARTICLE VIII - INSURANCE REQUIREMENTS

The Contractor will maintain at its own expense during the term of this Contract, the following insurance:

1. Workers' Compensation Insurance with Michigan statutory limits and Employers Liability Insurance with a minimum limit of $100,000 each accident for any employee.

2. Commercial General Liability Insurance with a combined single limit of $1,000,000 each occurrence for bodily injury and property damage. The County shall be added as "additional insured" on general liability policy with respect to the services provided under this contract.

3. Automobile Liability Insurance covering all owned, hired and nonowned vehicles with Personal Protection Insurance and Property Protection Insurance to comply with the provisions of the Michigan No Fault Insurance Law, including residual liability insurance with a minimum combined single limit of $1,000,000 each accident for bodily injury and property damage. For transportation services contracts, the County shall be added as additional insured on automobile liability policy with respect to the services provided under this contract.

Insurance companies, named insureds and policy forms may be subject to the approval of the Washtenaw County Administrator, if requested by the County Administrator. Such approval shall not be unreasonably withheld. Insurance policies shall not contain endorsements or policy conditions which reduce coverage provided to Washtenaw County. Contractor shall be responsible to Washtenaw County or insurance companies insuring Washtenaw County for all costs resulting from both financially unsound insurance companies selected by Contractor and their inadequate insurance coverage. Contractor shall furnish the Washtenaw County Administrator with satisfactory certificates of insurance or a certified copy of the policy, if requested by the County Administrator.

No payments will be made to the Contractor until the current certificates of insurance have been received and approved by the Administrator. If the insurance as evidenced by the certificates furnished by the Contractor expires or is canceled during the term of the contract, services and related payments will be suspended. Contractor shall furnish certification of insurance evidencing such coverage and endorsements at least ten (10) working days prior to commencement of services under this contract. Certificates shall be addressed to the Washtenaw County c/o: ***INSERT DEPARTMENT, ADDRESS, CITY, STATE & ZIP CODE AND CR#_____***, and shall provide for written notice to the Certificate holder of cancellation of coverage.

ARTICLE IX - COMPLIANCE WITH LAWS AND REGULATIONS

The Contractor will comply with all federal, state and local regulations, including but not limited to all applicable OSHA/MIOSHA requirements and the Americans with Disabilities Act.

ARTICLE X - INTEREST OF CONTRACTOR AND COUNTY

The Contractor promises that it has no interest which would conflict with the performance of services required by this contract. The Contractor also promises that, in the performance of this contract, no officer, agent, employee of the County of Washtenaw, or member of its governing bodies, may participate in any decision relating to this contract which affects his/her personal interest or the interest of any corporation, partnership or association in which he/she is directly or indirectly interested or has any personal or pecuniary interest. However, this paragraph does not apply if there has been compliance with the provisions of Section 3 of Act No. 317 of the Public Acts of 1968 and/or Section 30 of Act No. 156 of Public Acts of 1851, as amended by Act No. 51 of the Public Acts of 1978, whichever is applicable.

ARTICLE XI - CONTINGENT FEES

The Contractor promises that it has not employed or retained any company or person, other than bona fide employees working solely for the Contractor, to solicit or secure this contract, and that it has not paid or agreed to pay any company or person, other than bona fide employees working solely for the Contractor, any fee, commission, percentage, brokerage fee, gifts or any other consideration contingent upon or resulting from the award or making of this contract. For breach of this promise, the County may cancel this contract without liability or, at its discretion, deduct the full amount of the fee, commission, percentage, brokerage fee, gift or contingent fee from the compensation due the Contractor.

ARTICLE XII – DEBARMENT AND SUSPENSION

By signing this Contract, Contractor assures the County that it will comply with Federal Regulation 45 CFR Part 76 and certifies that to the best of its knowledge and belief the Contractor and any subcontractors retained by Contractor:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any federal department or contractor;

2. Have not within a three-year period preceding this Contract been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property;

3. Are not presently indicted or otherwise criminally or civilly charged by a government entity (federal, state or local) with commission of any of the offenses enumerated in section 2, and ;

4. Have not within a three-year period preceding this Contract had one or more public transactions (federal, state or local) terminated for cause or default.

ARTICLE XIII – LOBBYING

By signing this contract, Contractor assures the County that it will comply with Section 1352, Title 31 of the U.S. Code (pertaining to not using federal monies to influence federal contracting and financial transactions). The Contractor assures the County that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the Contractor, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the making of any Federal grant, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal grant or cooperative agreement;

2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal grant or cooperative agreement, the

Contractor shall complete and submit Standard Form - LLL, Disclosure of Lobbying Activities," in accordance with its instructions;

3. This language shall be included in the award documents for all subawards at all tiers (including subgrants, contracts under grants and cooperative agreements, and subcontracts) and that all sub-recipients shall certify and disclose accordingly.

ARTICLE XIV - DRUG-FREE WORKPLACE

Grantees Other Than Individuals

A. As required by the Drug-Free Workplace Act of 1988, the Contractor assures the County that it will or will continue to provide a drug-free workplace by:
   a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
   b) Establishing an on-going drug-free awareness program to inform employees about—
      1) The dangers of drug abuse in the workplace;
      2) The grantee's policy of maintaining a drug-free workplace;
      3) Any available drug counseling, rehabilitation, *and* employee assistance programs; and
      4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
   c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);
   d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will—
      1) Abide by the terms of the statement; and
      2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;
   e) Notifying the County, in writing, within 10 calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to the County;
   f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted—
      1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
      2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;
   g) Making a good faith effort to continue to maintain a drug- free workplace through implementation of paragraphs (a), (b), (c), (d), (e), and (f).

Grantees Who Are Individuals

As required by the Drug-Free Workplace Act of 1988:

A. As a condition of the grant, the Contractor assures the County that it will not engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in conducting any activity with the grant; and

B. If convicted of a criminal drug offense resulting from a violation occurring during the conduct of any grant activity, the Contractor agrees to report the conviction, in writing, within 10 calendar days of the conviction, to the County.

ARTICLE XV - FEDERAL PROCUREMENT STANDARDS

The Contractor assures the County that it will follow federal procurement standards as described in the Code of Federal Regulations Part 215 Subpart C – Post-Award Requirements, Procurement Standards, Sections 215.40-48 when procuring goods or services with federal funds to insure that procurement decisions are made ethically and with free and open competition among those providing the goods or services.

ARTICLE XVI - EQUAL EMPLOYMENT OPPORTUNITY

The Contractor will not discriminate against any employee or applicant for employment because of race, creed, color, sex, sexual orientation, national origin, physical handicap, age, height, weight, marital status, veteran status, religion and political belief (except as it relates to a bona fide occupational qualification reasonably necessary to the normal operation of the business).

The Contractor will take affirmative action to eliminate discrimination based on sex, race, or a handicap in the hiring of applicant and the treatment of employees. Affirmative action will include, but not be limited to: Employment; upgrading, demotion or transfer; recruitment advertisement; layoff or termination; rates of pay or other forms of compensation; selection for training, including apprenticeship.

The Contractor agrees to post notices containing this policy against discrimination in conspicuous places available to applicants for employment and employees. All solicitations or advertisements for employees, placed by or on the behalf of the Contractor, will state that all qualified applicants will receive consideration for employment without regard to race, creed, color, sex, sexual orientation, national origin, physical handicap, age, height, weight, marital status, veteran status, religion and political belief.

ARTICLE XVII - LIVING WAGE

The parties understand that the County has enacted a Living Wage Ordinance that requires covered vendors who execute a service or professional service contract with the County to pay their employees under that contract, a minimum of either $12.00 per hour with benefits or $14.07 per hour without benefits. Contractor agrees to comply with this Ordinance in paying its employees. Contractor understands and agrees that an adjustment of the living wage amounts, based upon the Health and Human Services poverty guidelines, will be made on or before April 30, 2016 and annually thereafter which amount shall be automatically incorporated into this contract. County agrees to give Contractor thirty (30) days written notice of such change. Contractor agrees to post a notice containing the County's Living Wage requirements at a location at its place of business accessed by its employees.

ARTICLE XVIII - EQUAL ACCESS

The Contractor shall provide the services set forth in Article I without discrimination on the basis of race, color, religion, national origin, sex, sexual orientation, marital status, physical handicap, or age.

ARTICLE XIX - OWNERSHIP OF DOCUMENTS AND PUBLICATION

All documents developed as a result of this contract will be freely available to the public. None may be copyrighted by the Contractor. During the performance of the services, the Contractor will be responsible for any loss of or damage to the documents while they are in its possession and must restore the loss or damage at its expense. Any use of the information and results of this contract by the Contractor must reference the project sponsorship by the County. Any publication of the information or results must be co-authored by the County.

ARTICLE XX - ASSIGNS AND SUCCESSORS

This contract is binding on the County and the Contractor, their successors and assigns. Neither the County nor the Contractor will assign or transfer its interest in this contract without the written consent of the other.

ARTICLE XXI - TERMINATION OF CONTRACT

Section 1 - Termination without cause. Either party may terminate the contract by giving thirty (30) days written notice to the other party.

Section 2 - In the event of any breach or default by the County or the Contractor of the terms and conditions of this Agreement, the party not in default will give written notice to the party in default specifying the acts and/or omissions constituting the alleged default or breach; if within fifteen (15) working days after issuance of such notice, the party in default has failed to cure such default, then in that event, the party not in default may terminate this Agreement and exercise such other rights as are provided herein and by law for breach of contract; provided, however, that if the alleged default can be cured by the performance of work or repairs or by some act, the performance of which requires a period of time, such default will be determined to have been cured if, within the above-referenced fifteen (15) working days, the party allegedly in default has begun to cure the default and continues until such default is cured within a reasonable time.

ARTICLE XXII - PAYROLL TAXES

The Contractor is responsible for all applicable state and federal social security benefits and unemployment taxes and agrees to indemnify and protect the County against such liability.

ARTICLE XXIII- PRACTICE AND ETHICS

The parties will conform to the code of ethics of their respective national professional associations.

ARTICLE XXIV- CHANGES IN SCOPE OR SCHEDULE OF SERVICES

Changes mutually agreed upon by the County and the Contractor, will be incorporated into this contract by written amendments signed by both parties.

ARTICLE XXV - CHOICE OF LAW AND FORUM

This contract is to be interpreted by the laws of Michigan. The parties agree that the proper forum for litigation arising out of this contract is in Washtenaw County, Michigan.

ARTICLE XXVI-FEDERALLY REQUIRED PROVISIONS

BID #6881 Main Street Sidewalk Improvements – Northfield Township

When applicable, the following provisions shall apply to contracts funded in whole, or in part, by federal award monies:

For "federally assisted construction contracts" as defined by 41 CFR Part 60-1.3, Contractor must comply with the equal opportunity clause provided under 41 CFR 60—1.4(b), in accordance with Executive Order 11246, "Equal Employment Opportunity (30 FR 12319, 12935, 3 CFR Part, 1964—1965 Comp., p. 339), as amended by Executive Order 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and implementing regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor."

For all prime construction contracts exceeding $2,000.00 awarded by non-Federal entities, Contractor shall comply with the Davis-Bacon Act (40 U.S.C. 3141—3144, and 3146—3148), as supplemented by Department of Labor regulations (29 CFR Part 5, "Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction"). Contractor must pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, Contractor must be paid wages not less than once a week. The parties agree that the County will report all suspected or reported violations of this provision to the Federal awarding agency.

In addition, Contractor must also comply with the Copeland "Anti-Kickback Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Bidding or Public Work Financed in Whole or in Part by Loans or Grants from the United States") which prohibits Contractor or Subrecipient from inducing, by any means, any person employed in the construction, completion or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. County shall report all suspected or reported violations to the Federal awarding agency.

If this contract exceeds $100,000.00 and involves the employment of mechanics or laborers, Contractor shall comply with U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). To that extent, Contractor must compute the wages of each mechanic and laborer on the basis of a standard forty (40) hour work week with hours exceeding this standard to be paid at one and one half the standard hourly rate. In addition, Contractor agrees that no mechanic or laborer shall be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous.

If the Federal award funding this Agreement meets the definition of "funding agreement" under 37 CFR, Sec. 401.2(a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental or research work under that funding agreement, the recipient or subrecipient must comply with 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency.

If this Agreement and/or subgrant exceeds $150,000.00, Contractor shall comply with all applicable standards, orders and/or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). The parties agree that the County shall report all violations of these Acts to the Federal awarding agency and the Regional Office of the Environmental Protection Agency ("EPA").

Contractor agrees to comply with all mandatory standards and policies relating to energy efficiency which are contained in the State of Michigan's energy conservation plan issued in compliance with the Energy Policy and Conservation Act. (42 U.S.C. 6201).

Contractor agrees to comply with the provisions of the Byrd Anti-Lobbying Amendment (31 U.S.C. Section 1352), which prohibits the use of federal funds by the Contractor or subcontractor of a Federal contract, grant, loan or cooperative agreement to pay any person to influence or attempt to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress or an employee of a member of Congress in connection with the federal funds awarded under this Agreement.

The parties agree that County and Contractor shall comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include, for those items where the purchase price exceeds $10,000.00 or the value of the quantity acquired by the preceding fiscal year exceeded $10,000.00, procuring only items designated in guidelines of the EPA at 40 CFR, Part 247, that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program to procuring recovered materials identified in the EPA guidelines.

ARTICLE XXVII - EXTENT OF CONTRACT

This contract represents the entire agreement between the parties and supersedes all prior representations, negotiations or agreements whether written or oral.

ATTESTED TO:

By:----------
Lawrence Kestenbaum (DATE)
County Clerk/Register

WASHTENAW COUNTY

Gregory Dill (DATE)
County Administrator

APPROVED AS TO CONTENT:

By: ----------
(DEPARTMENT HEAD) (DATE)

CONTRACTOR

(CONTRACTOR'S NAME) (DATE)

APPROVED AS TO FORM:

By: ----------
Curtis N. Hedger (DATE)
Office of Corporation Counsel

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

PRICE SHEET

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

Wage Determination

General Decision Number: MI160001 02/26/2016 MI1

Superseded General Decision Number: MI20150001

State: Michigan

Construction Types: Highway (Highway, Airport & Bridge xxxxx and Sewer/Incid. to Hwy.)

Counties: Michigan Statewide.

Note: Under Executive Order (EO) 13658, an hourly minimum wage of $10.15 for calendar year 2016 applies to all contracts subject to the Davis-Bacon Act for which the solicitation was issued on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least $10.15 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2016. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/08/2016
1	01/15/2016
2	02/26/2016

CARP0004-004 06/01/2013

REMAINDER OF STATE

	Rates	Fringes
CARPENTER (Piledriver).....	$ 25.34	17.37

CARP0004-005 06/01/2013

LIVINGSTON (Townships of Brighton, Deerfield, Genoa, Hartland, Oceola & Tyrone), MACOMB, MONROE, OAKLAND, SANILAC, ST. CLAIR AND WAYNE COUNTIES

	Rates	Fringes

BID #6881 Main Street Sidewalk Improvements – Northfield Township

CARPENTER (Piledriver).....$ 28.09 24.31

ELEC0017-005 06/01/2015

STATEWIDE

	Rates	Fringes
Line Construction		
Groundman/Driver	$ 27.24	12.70
Journeyman Signal Tech, Communications Tech, Tower Tech & Fiber Optic Splicers	$ 36.97	15.37
Journeyman Specialist	$ 42.52	16.89
Operator A	$ 31.32	13.82
Operator B	$ 29.27	13.26

Classifications

Journeyman Specialist: Refers to a crew of only one person working alone.
Operator A: Shall be proficient in operating all power equipment including: Backhoe, Excavator, Directional Bore and Boom/Digger truck.
Operator B: Shall be proficient in operating any 2 of the above mentioned pieces of equipment listed under Operator A.

ENGI0324-003 06/01/2015

ALCONA, ALPENA, ARENAC, BAY, CHEBOYGAN, CLARE, CLINTON, CRAWFORD, GENESEE, GLADWIN, GRATIOT, HURON, INGHAM, IOSCO, ISABELLA, JACKSON, LAPEER, LENAWEE, LIVINGSTON, MACOMB, MIDLAND, MONROE, MONTMORENCY, OAKLAND, OGEMAW, OSCODA, OTSEGO, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLAIR, SANILAC, SHIAWASSEE, TUSCOLA, WASHTENAW AND WAYNE COUNTIES:

	Rates	Fringes
OPERATOR: Power Equipment (Steel Erection)		
GROUP 1	$ 43.82	22.05
GROUP 2	$ 44.82	22.05
GROUP 3	$ 42.32	22.05
GROUP 4	$ 43.32	22.05
GROUP 5	$ 40.82	22.05
GROUP 6	$ 41.82	22.05
GROUP 7	$ 40.55	22.05
GROUP 8	$ 41.55	22.05

BID #6881 Main Street Sidewalk Improvements – Northfield Township

GROUP 9	$ 40.10	22.05
GROUP 10	$ 41.10	22.05
GROUP 11	$ 39.37	22.05
GROUP 12	$ 40.37	22.05
GROUP 13	$ 39.01	22.05
GROUP 14	$ 40.01	22.05
GROUP 15	$ 38.37	22.05
GROUP 16	$ 36.67	22.05
GROUP 17	$ 31.56	22.05
GROUP 18	$ 30.15	22.05

FOOTNOTE:

Paid Holidays: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Engineer when operating combination of boom and jib 400' or longer

GROUP 2: Engineer when operating combination of boom and jib 400' or longer on a crane that requires an oiler

GROUP 3: Engineer when operating combination of boom and jib 300' or longer

GROUP 4: Engineer when operating combination of boom and jib 300' or longer on a crane that requires an oiler

GROUP 5: Engineer when operating combination of boom and jib 220' or longer

GROUP 6: Engineer when operating combination of boom and jib 220' or longer on a crane that requires an oiler

GROUP 7: Engineer when operating combination of boom and jib 140' or longer

GROUP 8: Engineer when operating combination of boom and jib 140' or longer on a crane that requires an oiler

GROUP 9: Tower crane & derrick operator (where operator's work station is 50 ft. or more above first sub-level)

GROUP 10: Tower crane & derrick operator (where operator's work station is 50 ft. or more above first sub-level) on a crane that requires an oiler

GROUP 11: Engineer when operating combination of boom and jib 120' or longer

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

GROUP 12: Engineer when operating combination of boom and jib 120' or longer on a crane that requires an oiler

GROUP 13: Crane operator; job mechanic and 3 drum hoist and excavator

GROUP 14: Crane operator on a crane that requires an oiler

GROUP 15: Hoisting operator; 2 drum hoist and rubber tired backhoe

GROUP 16: Forklift and 1 drum hoist

GROUP 17: Compressor or welder operator

GROUP 18: Oiler

ENGI0324-004 06/01/2014

AREA 1: ALLEGAN, BARRY, BERRIEN, BRANCH, CALHOUN, CASS, EATON, HILLSDALE, IONIA, KALAMAZOO, KENT, LAKE, MANISTEE, MASON, MECOSTA, MONTCALM, MUSKEGON, NEWAYGO, OCEANA, OSCEOLA, OTTAWA, ST. JOSEPH, VAN BUREN

AREA 2: ANTRIM, BENZIE, CHARLEVOIX, EMMET, GRAND TRAVERSE, KALKASKA, LEELANAU, MISSAUKEE AND WEXFORD COUNTIES:

	Rates	Fringes
OPERATOR: Power Equipment (Steel Erection)		
AREA 1		
GROUP 1	$ 29.44	21.70
GROUP 2	$ 29.19	21.70
GROUP 3	$ 28.69	21.70
GROUP 4	$ 23.59	21.70
GROUP 5	$ 21.94	21.70
GROUP 6	$ 19.34	21.70
AREA 2		
GROUP 1	$ 29.44	21.70
GROUP 2	$ 29.19	21.70
GROUP 3	$ 28.19	21.70
GROUP 4	$ 23.29	21.70
GROUP 5	$ 21.64	21.70
GROUP 6	$ 18.84	21.70

FOOTNOTES:

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

Crane operator with main boom and jib 300' or longer: $1.50 additional to the group 1 rate. Crane operator with main boom and jib 400' or longer: $3.00 additional to the group 1 rate.
PAID HOLIDAYS: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS:

GROUP 1: Crane Operator with main boom & jib 400', 300', or 220' or longer.

GROUP 2: Crane Operator with main boom & jib 140' or longer, Tower Crane; Gantry Crane; Whirley Derrick.

GROUP 3: Regular Equipment Operator, Crane, Dozer, Loader, Hoist, Straddle Wagon, Mechanic, Grader and Hydro Excavator.

GROUP 4: Air Tugger (single drum), Material Hoist Pump 6" or over, Elevators, Brokk Concrete Breaker.

GROUP 5: Air Compressor, Welder, Generators, Conveyors

GROUP 6: Oiler and fire tender

ENGI0324-005 09/01/2015

AREA 1: GENESEE, LAPEER, LIVINGSTON, MACOMB, MONROE, OAKLAND, ST. CLAIR, WASHTENAW AND WAYNE COUNTIES

AREA 2: ALCONA, ALLEGAN, ALGER, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KWEENAW, LAKE, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, SANILAC, SCHOOLCRAFT, SHIAWASSEE, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

	Rates	Fringes
OPERATOR: Power Equipment (Underground construction (including sewer)) AREA 1:		

BID #6881 Main Street Sidewalk Improvements – Northfield Township

GROUP 1	$ 31.43	21.85
GROUP 2	$ 26.45	21.85
GROUP 3	$ 25.72	21.85
GROUP 4	$ 25.15	21.85
AREA 2:		
GROUP 1	$ 29.47	21.85
GROUP 2	$ 24.58	21.85
GROUP 3	$ 24.08	21.85
GROUP 4	$ 23.80	21.85

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Backfiller tamper; Backhoe; Batch plant operator (concrete); Clamshell; Concrete paver (2 drums or larger); Conveyor loader (Euclid type); Crane (crawler, truck type or pile driving); Dozer; Dragline; Elevating grader; Endloader; Gradall (and similar type machine); Grader; Mechanic; Power shovel; Roller (asphalt); Scraper (self-propelled or tractor drawn); Side boom tractor (type D-4 or equivalent and larger); Slip form paver; Slope paver; Trencher (over 8 ft. digging capacity); Well drilling rig; Concrete pump with boom operator; Hydro Excavator

GROUP 2: Boom truck (power swing type boom); Crusher; Hoist; Pump (1 or more - 6-in. discharge or larger - gas or diesel- powered or powered by generator of 300 amperes or more - inclusive of generator); Side boom tractor (smaller than type D-4 or equivalent); Tractor (pneu-tired, other than backhoe or front end loader); Trencher (8-ft. digging capacity and smaller);Vac Truck

GROUP 3: Air compressors (600 cfm or larger); Air compressors (2 or more-less than 600 cfm); Boom truck (non-swinging, non- powered type boom); Concrete breaker (self-propelled or truck mounted - includes compressor); Concrete paver (1 drum-l/2 yd. or larger); Elevator (other than passenger); Maintenance person; Pump (2 or more-4-in. up to 6-in. discharge-gas or diesel powered - excluding submersible pumps); Pumpcrete machine (and similar equipment); Wagon drill (multiple); Welding machine or generator (2 or more-300 amp. or larger - gas or diesel powered)

GROUP 4: Boiler; Concrete saw (40 hp or over); Curing machine (self-propelled); Farm tractor (with attachment); Finishing machine (concrete); Fire person; Hydraulic pipe pushing machine; Mulching equipment; Oiler; Pumps (2 or more up to 4-in. discharge, if used 3 hours or more a day, gas or diesel powered - excluding submersible pumps); Roller (other than asphalt); Stump remover; Trencher (service); Vibrating compaction equipment, self-propelled (6 ft. wide

or over); End dump operator; Sweeper (Wayne type); Water wagon and Extend-a boom forklift

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ENGI0324-006 06/01/2015

AREA 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES
AREA 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

	Rates	Fringes
Power equipment operators: (AIRPORT, BRIDGE & HIGHWAY CONSTRUCTION)		
AREA 1		
GROUP 1	$ 31.16	22.35
GROUP 2	$ 24.43	22.35
GROUP 3	$ 25.73	22.35
GROUP 4	$ 23.87	22.35
GROUP 5	$ 23.70	22.35
AREA 2		
GROUP 1	$ 31.16	22.35
GROUP 2	$ 24.28	22.35
GROUP 3	$ 25.58	22.35
GROUP 4	$ 23.72	22.35
GROUP 5	$ 23.40	22.35

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Asphalt plant operator; Crane operator (does not include work on bridge construction projects when the crane operator is erecting structural components); Dragline operator; Shovel operator; Locomotive operator; Paver operator (5 bags or more); Elevating grader operator; Pile driving operator; Roller operator (asphalt); Blade grader operator; Trenching machine operator (ladder or wheel type); Auto-grader; Slip form paver; Self-propelled or tractor-drawn scraper; Conveyor loader operator (Euclid

type); Endloader operator (1 yd. capacity and over); Bulldozer; Hoisting engineer; Tractor operator; Finishing machine operator (asphalt); Mechanic; Pump operator (6-in. discharge or over, gas, diesel powered or generator of 300 amp. or larger); Shouldering or gravel distributing machine operator (self- propelled); Backhoe (with over 3/8 yd. bucket); Side boom tractor (type D-4 or equivalent or larger); Tube finisher (slip form paving); Gradall (and similar type machine); Asphalt paver (self- propelled); Asphalt planer (self-propelled); Batch plant (concrete-central mix); Slurry machine (asphalt); Concrete pump (3 in. and over); Roto-mill; Swinging boom truck (over 12 ton capacity); Hydro demolisher (water blaster); Farm-type tractor with attached pan

GROUP 2: Screening plant operator; Washing plant operator; Crusher operator; Backhoe (with 3/8 yd. bucket or less); Side boom tractor (smaller than D-4 type or equivalent); Sweeper (Wayne type and similar equipment); Vacuum truck operator; Batch plant (concrete dry batch)

GROUP 3: Grease Truck

GROUP 4: Air compressor operator (600 cu. ft. per min or more); Air compressor operator (two or more, less than 600 cfm); Wagon drill operator; Concrete breaker; Tractor operator (farm type with attachment)

GROUP 5: Boiler fire tender; Oiler; Fire tender; Trencher (service); Flexplane operator; Cleftplane operator; Grader operator (self-propelled fine-grade or form (concrete)); Finishing machine operator (concrete); Boom or winch hoist truck operator; Endloader operator (under 1 yd. capacity); Roller operator (other than asphalt); Curing equipment operator (self-propelled); Concrete saw operator (40 h.p. or over); Power bin operator; Plant drier operator (asphalt); Vibratory compaction equipment operator (6 ft. wide or over); Guard post driver operator (power driven); All mulching equipment; Stump remover; Concrete pump (under 3-in.); Mesh installer (self- propelled); Tractor operator (farm type); End dump; Skid steer

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ENGI0324-007 05/01/2015

ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES:

	Rates	Fringes

BID #6881 Main Street Sidewalk Improvements – Northfield Township

OPERATOR: Power Equipment (Steel Erection)		
Compressor, welder and forklift	$ 25.21	22.05
Crane operator, main boom & jib 120' or longer	$ 29.96	22.05
Crane operator, main boom & jib 140' or longer	$ 29.21	22.05
Crane operator, main boom & jib 220' or longer	$ 29.46	22.05
Mechanic with truck and tools	$ 29.96	22.05
Oiler and fireman	$ 23.91	22.05
Regular operator	$ 28.46	22.05

ENGI0324-008 10/01/2015

ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MACOMB, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MONROE, MUSKEGON, NEWAYGO, OAKLAND, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN, WASHTENAW, WAYNE AND WEXFORD COUNTIES

	Rates	Fringes
OPERATOR: Power Equipment (Sewer Relining)		
GROUP 1	$ 30.70	12.93
GROUP 2	$ 29.17	12.93

SEWER RELINING CLASSIFICATIONS

GROUP 1: Operation of audio-visual closed circuit TV system, including remote in-ground cutter and other equipment used in connection with the CCTV system

GROUP 2: Operation of hot water heaters and circulation systems, water jetters and vacuum and mechanical debris removal systems

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BID #6881 Main Street Sidewalk Improvements – Northfield Township

ENGI0325-012 05/01/2015

AREA 1: MACOMB, MONROE, OAKLAND, ST. CLAIR, WASHTENAW AND WAYNE COUNTIES

AREA 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

	Rates	Fringes
Power equipment operators - gas distribution and duct installation work:		
AREA 1		
GROUP 1	$ 28.73	22.30
GROUP 2	$ 28.60	22.30
GROUP 3	$ 27.48	22.30
GROUP 4	$ 26.90	22.30
AREA 2		
GROUP 1	$ 27.82	22.30
GROUP 2-A	$ 27.72	22.30
GROUP 2-B	$ 27.50	22.30
GROUP 3	$ 26.72	22.30
GROUP 4	$ 26.22	22.30

SCOPE OF WORK: The construction, installation, treating and reconditioning of pipelines transporting gas vapors within cities, towns, subdivisions, suburban areas, or within private property boundaries, up to and including private meter settings of private industrial, governmental or other premises, more commonly referred to as "distribution work," starting from the first metering station, connection, similar or related facility, of the main or cross country pipeline and including duct installation.

AREA 1:

GROUP 1: Backhoe, crane, grader, mechanic, dozer (D-6 equivalent or larger), side boom (D-4 equivalent or

BID #6881 Main Street Sidewalk Improvements – Northfield Township

larger), trencher(except service), endloader (2 yd. capacity or greater).
GROUP 2: Dozer (less than D-6 equivalent), endloader (under 2 yd. capacity), side boom (under D-4 capacity), backfiller, pumps (1 or 2 of 6-inch discharge or greater), boom truck (with powered boom), tractor (wheel type other than backhoe or front endloader).

GROUP 3: Tamper (self-propelled), boom truck (with non-powered boom), concrete saw (20 hp or larger), pumps (2 to 4 under 6-inch discharge), compressor (2 or more or when one is used continuously into the second day) and trencher(service).

GROUP 4: Oiler, hydraulic pipe pushing machine, grease person and hydrostatic testing operator.

AREA 2:

GROUP 1: Mechanic, crane (over 1/2 yd. capacity), backhoe (over 1/2 yd. capacity), grader (Caterpillar 12 equivalent or larger)

GROUP 2-A: Trencher(except service), backhoe (1/2 yd. capacity or less)

GROUP 2-B: Crane (1/2 yd. capacity or less), compressor (2 or more), dozer (D-4 equivalent or larger), endloader (1 yd. capacity or larger), pump (1 or 2 six-inch or larger), side boom (D-4 equivalent or larger)

GROUP 3: Backfiller, boom truck (powered), concrete saw (20 hp or larger), dozer (less than D-4 equivalent), endloader (under 1 yd. capacity), farm tractor (with attachments), pump (2 - 4 under six-inch capacity), side boom tractor(less than D-4 equivalent), tamper (self-propelled), trencher service and grader maintenance

GROUP 4: Oiler, grease person and hydrostatic testing operator

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IRON0008-007 05/01/2015

ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES:

	Rates	Fringes
Ironworker - pre-engineered		

BID #6881 Main Street Sidewalk Improvements – Northfield Township

metal building erector	$ 23.70	6.95
IRONWORKER		
General contracts		
$10,000,000 or greater	$ 26.52	24.35
General contracts less		
than $10,000,000	$ 23.11	24.35

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

IRON0025-002 06/01/2015

ALCONA, ALPENA, ARENAC, BAY, CHEBOYGAN, CLARE, CLINTON, CRAWFORD, GENESEE, GLADWIN, GRATIOT, HURON, INGHAM, IOSCO, ISABELLA, JACKSON, LAPEER, LIVINGSTON, MACOMB, MIDLAND, MONTMORENCY, OAKLAND, OGEMAW, OSCODA, OTSEGO, PRESQUE ISLE, ROSCOMMON, SAGINAW, SANILAC, SHIAWASSEE, ST. CLAIR, TUSCOLA, WASHTENAW AND WAYNE COUNTIES:

	Rates	Fringes
Ironworker - pre-engineered metal building erector Alcona, Alpena, Arenac, Cheboygan, Clare, Clinton, Crawford, Gladwin, Gratiot, Huron, Ingham, Iosco, Isabella, Jackson, Lapeer, Livingston (west of Burkhardt Road), Montmorency, Ogemaw, Oscoda, Otsego, Presque Isle, Roscommon, Sanilac, Shiawassee, Tuscola & Washtenaw (west of U.S. 23)	$ 22.17	20.13
Bay, Genesee, Lapeer, Livingston (east of Burkhardt Road), Macomb, Midland, Oakland, Saginaw, St. Clair, The University of Michigan, Washtenaw (east of U.S. 23) & Wayne	$ 23.39	21.13
IRONWORKER		
Ornamental and Structural	$ 33.78	27.84
Reinforcing	$ 28.30	24.60

IRON0055-005 07/01/2013

LENAWEE AND MONROE COUNTIES:

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

	Rates	Fringes
IRONWORKER		
Pre-engineered metal buildings	$ 23.59	19.35
All other work	$ 28.32	19.35

IRON0292-003 06/01/2015

BERRIEN AND CASS COUNTIES:

	Rates	Fringes
IRONWORKER (Including pre-engineered metal building erector)	$ 28.31	20.00

IRON0340-001 06/01/2015

ALLEGAN, ANTRIM, BARRY, BENZIE, BRANCH, CALHOUN, CHARLEVOIX, EATON, EMMET, GRAND TRAVERSE, HILLSDALE, IONIA, KALAMAZOO, KALKASKA, KENT, LAKE, LEELANAU, MANISTEE, MASON, MECOSTA, MISSAUKEE, MONTCALM, MUSKEGON, NEWAYGO, OCEANA, OSCEOLA, OTTAWA, ST. JOSEPH, VAN BUREN AND WEXFORD COUNTIES:

	Rates	Fringes
IRONWORKER (Including pre-engineered metal building erector)	$ 21.68	24.37

LABO0005-006 10/01/2014

	Rates	Fringes
Laborers - hazardous waste abatement: (ALCONA, ALPENA, ANTRIM, BENZIE, CHARLEVOIX, CHEBOYGAN, CRAWFORD, EMMET, GRAND TRAVERSE, IOSCO, KALKASKA, LEELANAU, MISSAUKEE, MONTMORENCY, OSCODA, OTSEGO, PRESQUE ISLE AND WEXFORD COUNTIES - Zone 10)		
Levels A, B or C	$ 17.45	12.75
Work performed in conjunction with site preparation not requiring		

SAMPLE

the use of personal protective equipment;
Also, Level D.....$ 16.45 12.75

Laborers - hazardous waste abatement: (ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC, MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES - Zone 11)
Levels A, B or C.....$ 20.91 12.78

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 19.91 12.78

Laborers - hazardous waste abatement: (ALLEGAN, BARRY, BERRIEN, BRANCH, CALHOUN, CASS, IONIA COUNTY (except the city of Portland); KALAMAZOO, KENT, LAKE, MANISTEE, MASON, MECOSTA, MONTCALM, MUSKEGON, NEWAYGO, OCEANA, OSCEOLA, OTTAWA, ST. JOSEPH AND VAN BUREN COUNTIES - Zone 9)
Levels A, B or C.....$ 19.99 12.75

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 18.99 12.75

Laborers - hazardous waste abatement: (ARENAC, BAY, CLARE, GLADWIN, GRATIOT, HURON, ISABELLA, MIDLAND, OGEMAW, ROSCOMMON, SAGINAW AND TUSCOLA COUNTIES - Zone 8)
Levels A, B or C.....$ 20.02 12.75

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 19.02 12.75

Laborers - hazardous waste abatement: (CLINTON, EATON

SAMPLE

AND INGHAM COUNTIES; IONIA COUNTY (City of Portland); LIVINGSTON COUNTY (west of Oak Grove Rd., including the City of Howell) - Zone 6)

Levels A, B or C.....$ 23.29 12.75

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;

Also, Level D.....$ 22.29 12.75

Laborers - hazardous waste abatement: (GENESEE, LAPEER AND SHIAWASSEE COUNTIES - Zone 7)

Levels A, B or C.....$ 23.40 12.79

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;

Also, Level D.....$ 22.40 12.79

Laborers - hazardous waste abatement: (HILLSDALE, JACKSON AND LENAWEE COUNTIES - Zone 4)

Levels A, B or C.....$ 30.00 14.09

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;

Also, Level D.....$ 29.00 14.09

Laborers - hazardous waste abatement: (LIVINGSTON COUNTY (east of Oak Grove Rd. and south of M-59, excluding the city of Howell); AND WASHTENAW COUNTY - Zone 3)

Levels A, B or C.....$ 29.32 13.85

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;

Also, Level D.....$ 28.32 13.85

Laborers - hazardous waste abatement: (MACOMB AND WAYNE COUNTIES - Zone 1)

Levels A, B or C.....$ 27.94 16.55

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 26.94 16.55
Laborers - hazardous waste abatement: (MONROE COUNTY - Zone 4)
Levels A, B or C.....$ 30.00 14.09
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 29.00 14.09
Laborers - hazardous waste abatement: (OAKLAND COUNTY and the Northeast portion of LIVINGSTON COUNTY bordered by Oak Grove Road on the West and M-59 on the South - Zone 2)
Level A, B, C.....$ 27.94 16.55
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 26.94 16.55
Laborers - hazardous waste abatement: (SANILAC AND ST. CLAIR COUNTIES - Zone 5)
Levels A, B or C.....$ 24.97 15.19
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 23.97 15.19

LABO0259-001 09/01/2015

AREA 1: MACOMB, OAKLAND AND WAYNE COUNTIES
AREA 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE,

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONROE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN, WASHTENAW AND WEXFORD COUNTIES

	Rates	Fringes
Laborers - tunnel, shaft and caisson:		
AREA 1		
GROUP 1	$ 21.57	16.68
GROUP 2	$ 21.68	16.68
GROUP 3	$ 21.74	16.68
GROUP 4	$ 21.92	16.68
GROUP 5	$ 22.17	16.68
GROUP 6	$ 22.50	16.68
GROUP 7	$ 15.78	16.68
AREA 2		
GROUP 1	$ 23.10	12.75
GROUP 2	$ 23.19	12.75
GROUP 3	$ 23.29	12.75
GROUP 4	$ 23.45	12.75
GROUP 5	$ 23.71	12.75
GROUP 6	$ 24.02	12.75
GROUP 7	$ 16.29	12.75

SCOPE OF WORK: Tunnel, shaft and caisson work of every type and description and all operations incidental thereto, including, but not limited to, shafts and tunnels for sewers, water, subways, transportation, diversion, sewerage, caverns, shelters, aquafers, reservoirs, missile silos and steel sheeting for underground construction.

TUNNEL LABORER CLASSIFICATIONS

GROUP 1: Tunnel, shaft and caisson laborer, dump, shanty, hog house tender, testing (on gas) and watchman

GROUP 2: Manhole, headwall, catch basin builder, bricklayer tender, mortar machine and material mixer

GROUP 3: Air tool operator (jackhammer, bush hammer and grinder), first bottom, second bottom, cage tender, car pusher, carrier, concrete, concrete form, concrete repair, cement invert laborer, cement finisher, concrete shoveler, conveyor, floor, gasoline and electric tool operator, gunite, grout operator, welder, heading dinky person, inside lock tender, pea gravel operator, pump, outside lock

SAMPLE

tender, scaffold, top signal person, switch person, track, tugger, utility person, vibrator, winch operator, pipe jacking, wagon drill and air track operator and concrete saw operator (under 40 h.p.)

GROUP 4: Tunnel, shaft and caisson mucker, bracer, liner plate, long haul dinky driver and well point

GROUP 5: Tunnel, shaft and caisson miner, drill runner, key board operator, power knife operator, reinforced steel or mesh (e.g. wire mesh, steel mats, dowel bars, etc.)

GROUP 6: Dynamite and powder

GROUP 7: Restoration laborer, seeding, sodding, planting, cutting, mulching and top soil grading; and the restoration of property such as replacing mailboxes, wood chips, planter boxes, flagstones, etc.

LABO0334-001 09/01/2015

	Rates	Fringes
Laborers - open cut:		
ZONE 1 - MACOMB, OAKLAND AND WAYNE COUNTIES:		
GROUP 1	$ 21.42	16.68
GROUP 2	$ 21.53	16.68
GROUP 3	$ 21.58	16.68
GROUP 4	$ 21.66	16.68
GROUP 5	$ 21.72	16.68
GROUP 6	$ 19.17	16.68
GROUP 7	$ 15.79	16.68
ZONE 2 - LIVINGSTON COUNTY (east of M-151 (Oak Grove Rd.)); MONROE AND WASHTENAW COUNTIES:		
GROUP 1	$ 22.75	12.75
GROUP 2	$ 22.86	12.75
GROUP 3	$ 22.98	12.75
GROUP 4	$ 23.05	12.75
GROUP 5	$ 23.20	12.75
GROUP 6	$ 20.50	12.75
GROUP 7	$ 17.14	12.75
ZONE 3 - CLINTON, EATON, GENESEE, HILLSDALE AND INGHAM COUNTIES; IONIA COUNTY (City of Portland); JACKSON, LAPEER AND LENAWEE COUNTIES;		

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

LIVINGSTON COUNTY (west of M-151 Oak Grove Rd.); SANILAC, ST. CLAIR AND SHIAWASSEE COUNTIES:

GROUP 1	$ 20.94	12.75
GROUP 2	$ 21.08	12.75
GROUP 3	$ 21.20	12.75
GROUP 4	$ 21.25	12.75
GROUP 5	$ 21.39	12.75
GROUP 6	$ 18.69	12.75
GROUP 7	$ 15.84	12.75

ZONE 4 - ALCONA, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CLARE, CRAWFORD, EMMET, GLADWIN, GRAND TRAVERSE, GRATIOT AND HURON COUNTIES; IONIA COUNTY (EXCEPT THE CITY OF PORTLAND); IOSCO, ISABELLA, KALAMAZOO, KALKASKA, KENT, LAKE,LEELANAU, MANISTEE, MASON, MECOSTA, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES:

GROUP 1	$ 19.95	12.75
GROUP 2	$ 20.08	12.75
GROUP 3	$ 20.19	12.75
GROUP 4	$ 20.26	12.75
GROUP 5	$ 20.38	12.75
GROUP 6	$ 17.60	12.75
GROUP 7	$ 15.94	12.75

ZONE 5 - ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC, MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES:

GROUP 1	$ 20.26	12.75

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

GROUP 2	$ 20.40	12.75
GROUP 3	$ 20.53	12.75
GROUP 4	$ 20.58	12.75
GROUP 5	$ 20.63	12.75
GROUP 6	$ 18.01	12.75
GROUP 7	$ 16.12	12.75

SCOPE OF WORK:

Open cut construction work shall be construed to mean work which requires the excavation of earth including industrial, commercial and residential building site excavation and preparation, land balancing, demolition and removal of concrete and underground appurtenances, grading, paving, sewers, utilities and improvements; retention, oxidation, flocculation and irrigation facilities, and also including but not limited to underground piping, conduits, steel sheeting for underground construction, and all work incidental thereto, and general excavation. For all areas except the Upper Peninsula, open cut construction work shall also be construed to mean waterfront work, piers, docks, seawalls, breakwalls, marinas and all incidental work. Open cut construction work shall not include any structural modifications, alterations, additions and repairs to buildings, or highway work, including roads, streets, bridge construction and parking lots or steel erection work and excavation for the building itself and back filling inside of and within 5 ft. of the building and foundations, footings and piers for the building. Open cut construction work shall not include any work covered under Tunnel, Shaft and Caisson work.

OPEN CUT LABORER CLASSIFICATIONS

GROUP 1: Construction laborer

GROUP 2: Mortar and material mixer, concrete form person, signal person, well point person, manhole, headwall and catch basin builder, headwall, seawall, breakwall and dock builder

GROUP 3: Air, gasoline and electric tool operator, vibrator operator, driller, pump person, tar kettle operator, bracer, rodder, reinforced steel or mesh person (e.g., wire mesh, steel mats, dowel bars, etc.), welder, pipe jacking and boring person, wagon drill and air track operator and concrete saw operator (under 40 h.p.), windlass and tugger person and directional boring person

GROUP 4: Trench or excavating grade person

BID #6881 Main Street Sidewalk Improvements – Northfield Township

GROUP 5: Pipe layer (including crock, metal pipe, multi-plate or other conduits)

GROUP 6: Grouting man, audio-visual television operations and all other operations in connection with closed circuit television inspection, pipe cleaning and pipe relining work and the installation and repair of water service pipe and appurtenances

GROUP 7: Restoration laborer, seeding, sodding, planting, cutting, mulching and top soil grading; and the restoration of property such as replacing mailboxes, wood chips, planter boxes, flagstones, etc.

LABO0465-001 06/01/2015

LABORER: Highway, Bridge and Airport Construction

AREA 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES

AREA 2: ALLEGAN, BARRY, BAY, BERRIEN, BRANCH, CALHOUN, CASS, CLINTON, EATON, GRATIOT, HILLSDALE, HURON, INGHAM, JACKSON, KALAMAZOO, LAPEER, LENAWEE, LIVINGSTON, MIDLAND, MUSKEGON, SAGINAW, SANILAC, SHIAWASSEE, ST. CLAIR, ST. JOSEPH, TUSCOLA AND VAN BUREN COUNTIES

AREA 3: ALCONA, ALPENA, ANTRIM, ARENAC, BENZIE, CHARLEVOIX, CHEBOYGAN, CLARE, CRAWFORD, EMMET, GLADWIN, GRAND TRAVERSE, IONIA, IOSCO, ISABELLA, KALKASKA, KENT, LAKE, LEELANAU, MANISTEE, MASON, MECOSTA, MISSAUKEE, MONTCALM, MONTMORENCY, NEWAYGO, OCEANA, OGEMAW, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON AND WEXFORD COUNTIES

AREA 4: ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC, MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES

	Rates	Fringes
LABORER (AREA 1)		
GROUP 1	$ 25.06	13.00
GROUP 2	$ 25.19	13.00
GROUP 3	$ 25.37	13.00
GROUP 4	$ 25.45	13.00
GROUP 5	$ 25.66	13.00
GROUP 6	$ 25.96	13.00
LABORER (AREA 2)		
GROUP 1	$ 23.06	12.95

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GROUP 2	$ 23.26	12.95
GROUP 3	$ 23.50	12.95
GROUP 4	$ 23.85	12.95
GROUP 5	$ 23.72	12.95
GROUP 6	$ 24.06	12.95
LABORER (AREA 3)		
GROUP 1	$ 22.31	12.95
GROUP 2	$ 22.52	12.95
GROUP 3	$ 22.81	12.95
GROUP 4	$ 23.25	12.95
GROUP 5	$ 22.87	12.95
GROUP 6	$ 23.30	12.95
LABORER (AREA 4)		
GROUP 1	$ 22.31	12.95
GROUP 2	$ 22.52	12.95
GROUP 3	$ 22.81	12.95
GROUP 4	$ 23.25	12.95
GROUP 5	$ 22.87	12.95
GROUP 6	$ 23.30	12.95

LABORER CLASSIFICATIONS

GROUP 1: Asphalt shoveler or loader; asphalt plant misc.; burlap person; yard person; dumper (wagon, truck, etc.); joint filling laborer; miscellaneous laborer; unskilled laborer; sprinkler laborer; form setting laborer; form stripper; pavement reinforcing; handling and placing (e.g., wire mesh, steel mats, dowel bars); mason's tender or bricklayer's tender on manholes; manhole builder; headwalls, etc.; waterproofing,(other than buildings) seal coating and slurry mix, shoring, underpinning; pressure grouting; bridge pin and hanger removal; material recycling laborer; horizontal paver laborer (brick, concrete, clay, stone and asphalt); ground stabilization and modification laborer; grouting; waterblasting; top person; railroad track and trestle laborer; carpenters' tender; guard rail builders' tender; earth retention barrier and wall and M.S.E. wall installer's tender; highway and median installer's tender(including sound, retaining, and crash barriers); fence erector's tender; asphalt raker tender; sign installer; remote control operated equipment.

GROUP 2: Mixer operator (less than 5 sacks); air or electric tool operator (jackhammer, etc.); spreader; boxperson (asphalt, stone, gravel); concrete paddler; power chain saw operator; paving batch truck dumper; tunnel mucker (highway work only); concrete saw (under 40 h.p.) and dry pack machine; roto-mill grounds person.

GROUP 3: Tunnel miner (highway work only); finishers tenders; guard rail builders; highway and median barrier installer;

earth retention barrier and wall and M.S.E. wall installer's (including sound, retaining and crash barriers); fence erector; bottom person; powder person; wagon drill and air track operator; diamond and core drills; grade checker; certified welders; curb and side rail setter's tender.

GROUP 4: Asphalt raker

GROUP 5: Pipe layers, oxy-gun

GROUP 6: Line-form setter for curb or pavement; asphalt screed checker/screw man on asphalt paving machines.

LABO1076-005 04/01/2015

MICHIGAN STATEWIDE

	Rates	Fringes
LABORER (DISTRIBUTION WORK)		
Zone 1	$ 19.77	12.75
Zone 2	$ 18.15	12.75
Zone 3	$ 16.38	12.75
Zone 4	$ 15.75	12.75
Zone 5	$ 15.75	12.75

DISTRIBUTION WORK - The construction, installation, treating and reconditioning of distribution pipelines transporting coal, oil, gas or other similar materials, vapors or liquids, including pipelines within private property boundaries, up to and including the meter settings on residential, commercial, industrial, institutional, private and public structures. All work covering pumping stations and tank farms not covered by the Building Trades Agreement. Other distribution lines with the exception of sewer, water and cable television are included.

Underground Duct Layer Pay: $.40 per hour above the base pay rate.

Zone 1 - Macomb, Oakland and Wayne
Zone 2 - Monroe and Washtenaw
Zone 3 - Bay, Genesee, Lapeer, Midland, Saginaw, Sanilac, Shiawassee and St. Clair
Zone 4 - Alger, Baraga, Chippewa, Delta, Dickinson, Gogebic, Houghton, Iron, Keweenaw, Luce, Mackinac, Marquette, Menominee, Ontonagon and Schoolcraft
Zone 5 - Remaining Counties in Michigan

SAMPLE

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PAIN0022-002 07/01/2008

HILLSDALE, JACKSON AND LENAWEE COUNTIES; LIVINGSTON COUNTY (east of the eastern city limits of Howell, not including the city of Howell, north to the Genesee County line and south to the Washtenaw County line); MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES:

	Rates	Fringes
PAINTER	$ 25.06	14.75

FOOTNOTES: For all spray work and journeyman rigging for spray work, also blowing off, $0.80 per hour additional (applies only to workers doing rigging for spray work on off the floor work. Does not include setting up or moving rigging on floor surfaces, nor does it apply to workers engaged in covering up or tending spray equipment. For all sandblasting and spray work performed on highway bridges, overpasses, tanks or steel, $0.80 per hour additional. For all brushing, cleaning and other preparatory work (other than spraying or steeplejack work) at scaffold heights of fifty (50) feet from the ground or higher, $0.50 per hour additional. For all preparatorial work and painting performed on open steel under forty (40) feet when no scaffolding is involved, $0.50 per hour additional. For all swing stage work-window jacks and window belts-exterior and interior, $0.50 per hour additional. For all spray work and sandblaster work to a scaffold height of forty (40) feet above the floor level, $0.80 per hour additional. For all preparatorial work and painting on all highway bridges or overpasses up to forty (40) feet in height, $0.50 per hour additional. For all steeplejack work performed where the elevation is forty (40) feet or more, $1.25 per hour additional.

PAIN0312-001 06/12/2014

EXCLUDES: ALLEGAN COUNTY (Townships of Dorr, Fillmore, Heath, Hopkins, Laketown, Leighton, Manlius, Monterey, Overisel, Salem, Saugatuck and Wayland); INCLUDES: Barry, Berrien, Branch, Calhoun, Cass, Hillsdale, Kalamazoo, St. Joseph, Van Buren

	Rates	Fringes
PAINTER		

BID #6881 Main Street Sidewalk Improvements – Northfield Township

Brush and roller.....$ 21.75 11.94
Spray, Sandblast, Sign
Painting.....$ 22.75 11.94

PAIN0845-003 05/21/2014

CLINTON COUNTY; EATON COUNTY (does not include the townships of Bellevue and Olivet); INGHAM COUNTY; IONIA COUNTY (east of Hwy. M 66); LIVINGSTON COUNTY (west of the eastern city limits of Howell, including the city of Howell, north to the Genesee County line and south to the Washtenaw County line); AND SHIAWASSEE COUNTY (Townships of Bennington, Laingsbury and Perry):

	Rates	Fringes
PAINTER	$ 21.89	11.85

PAIN0845-015 05/21/2014

MUSKEGON COUNTY; NEWAYGO COUNTY (except the Townships of Barton, Big Prairie, Brooks, Croton, Ensley, Everett, Goodwell, Grant, Home, Monroe, Norwich and Wilcox); OCEANA COUNTY; OTTAWA COUNTY (except the townships of Allendale, Blendone, Chester, Georgetown, Holland, Jamestown, Olive, Park, Polkton, Port Sheldon, Tallmadge, Wright and Zeeland):

	Rates	Fringes
PAINTER	$ 21.89	11.85

PAIN0845-018 05/21/2014

ALLEGAN COUNTY (Townships of Dorr, Fillmore, Heath, Hopkins, Laketown, Leighton, Manlius, Monterey, Overisel, Salem, Saugatuck and Wayland); IONIA COUNTY (west of Hwy. M-66); KENT, MECOSTA AND MONTCALM COUNTIES; NEWAYGO COUNTY (Townships of Barton, Big Prairie, Brooks, Croton, Ensley, Everett, Goodwell, Grant, Home, Monroe, Norwich and Wilcox); OSCEOLA COUNTY (south of Hwy. #10); OTTAWA COUNTY (Townships of Allendale, Blendone, Chester, Georgetown, Holland, Jamestown, Olive, Park, Polkton, Port Sheldon, Tallmadge, Wright and Zeeland):

	Rates	Fringes
PAINTER	$ 21.89	11.85

FOOTNOTES: Lead abatement work: $1.00 per hour additional.

CANCEL

BID #6881 Main Street Sidewalk Improvements – Northfield Township

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PAIN1011-003 06/05/2014

ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC, MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES:

	Rates	Fringes
PAINTER	$ 24.15	10.52

FOOTNOTES: High pay (bridges, overpasses, watertower): 30 to 80 ft.: $.65 per hour additional. 80 ft. and over: $1.30 per hour additional.

PAIN1474-002 06/01/2010

HURON COUNTY; LAPEER COUNTY (east of Hwy. M-53); ST. CLAIR, SANILAC AND TUSCOLA COUNTIES:

	Rates	Fringes
PAINTER	$ 23.79	12.02

FOOTNOTES: Lead abatement work: $1.00 per hour additional. Work with any hazardous material: $1.00 per hour additional. Sandblasting, steam cleaning and acid cleaning: $1.00 per hour additional. Ladder work at or above 40 ft., scaffold work at or above 40 ft., swing stage, boatswain chair, window jacks and all work performed over a falling height of 40 ft.: $1.00 per hour additional. Spray gun work, pick pullers and those handling needles, blowing off by air pressure, and any person rigging (setting up and moving off the ground): $1.00 per hour additional. Steeplejack, tanks, gas holders, stacks, flag poles, radio towers and beacons, power line towers, bridges, etc.: $1.00 per hour additional, paid from the ground up.

PAIN1803-003 12/01/2015

ALCONA, ALPENA, ANTRIM, ARENAC, BAY, BENZIE, CHARLEVOIX, CHEBOYGAN, CLARE, CRAWFORD, EMMET, GLADWIN, GRAND TRAVERSE, GRATIOT, IOSCO, ISABELLA, KALKASKA, LAKE, LEELANAU, MANISTEE, MASON, MIDLAND, MISSAUKEE, MONTMORENCY AND OGEMAW COUNTIES; OSCEOLA COUNTY (north of Hwy. #10); OSCODA, OTSEGO, PRESQUE ISLE, ROSCOMMON, SAGINAW AND WEXFORD COUNTIES:

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

	Rates	Fringes
PAINTER		
Work performed on water, bridges over water or moving traffic, radio and powerline towers, elevated tanks, steeples, smoke stacks over 40 ft. of falling heights, recovery of lead-based paints and any work associated with industrial plants, except maintenance of industrial		
plants	$ 24.50	13.25
All other work, including maintenance of industrial		
plant	$ 23.08	13.25

FOOTNOTES: Spray painting, sandblasting, blowdown associated with spraying and blasting, water blasting and work involving a swing stage, boatswain chair or spider: $1.00 per hour additional. All work performed inside tanks, vessels, tank trailers, railroad cars, sewers, smoke stacks, boilers or other spaces having limited egress not including buildings, opentop tanks, pits, etc.: $1.25 per hour additional.

PLAS0514-001 06/01/2014

ZONE 1: GENESEE, LIVINGSTON, MACOMB, MONROE, OAKLAND, SAGINAW, WASHTENAW AND WAYNE COUNTIES

ZONE 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SANILAC, SCHOOLCRAFT, SHIAWASSEE, ST. CLAIR, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

	Rates	Fringes

BID #6881 Main Street Sidewalk Improvements – Northfield Township

CEMENT MASON/CONCRETE FINISHER

ZONE 1	$ 29.59	12.59
ZONE 2	$ 28.29	12.59

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* PLUM0190-003 05/01/2015

ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MACOMB, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MONROE, MUSKEGON, NEWAYGO, OAKLAND, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN, WASHTENAW, WAYNE AND WEXFORD COUNTIES

	Rates	Fringes
Plumber/Pipefitter - gas distribution pipeline: Welding in conjunction with gas distribution pipeline work	$ 33.03	20.19
All other work:	$ 24.19	12.28

TEAM0007-004 06/01/2015

AREA 1: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, SANILAC, SCHOOLCRAFT, SHIAWASSEE, ST. CLAIR, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

AREA 2: GENESEE, LIVINGSTON, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES

	Rates	Fringes

BID #6881 Main Street Sidewalk Improvements – Northfield Township

TRUCK DRIVER
AREA 1
Euclids, double bottoms
and lowboys.....$ 25.05 .50 + a+b
Trucks under 8 cu. yds.....$ 24.80 .50 + a+b
Trucks, 8 cu. yds. and
over.....$ 24.90 .50 + a+b
AREA 2
Euclids, double bottomms
and lowboys.....$ 24.895 .50 + a+b
Euclids, double bottoms
and lowboys.....$ 25.15 .50 + a+b
Trucks under 8 cu. yds.....$ 24.90 .50 + a+b
Trucks, 8 cu. yds. and
over.....$ 25.00 .50 + a+b

Footnote:
a. $419.45 per week
b. $59.50 daily

TEAM0247-004 06/01/2004

AREA 1: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SANILAC, SCHOOLCRAFT, SHIAWASSEE, SAGINAW, ST. CLAIR, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

AREA 2: GENESEE, LIVINGSTON, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES

	Rates	Fringes
Sign Installer		
AREA 1		
GROUP 1	$ 20.18	.15 + a
GROUP 2	$ 19.93	.15 + a
AREA 2		
GROUP 1	$ 21.73	.15 + a
GROUP 2	$ 21.48	.15 + a

FOOTNOTE:

a. $132.70 per week, plus $17.80 per day.

SIGN INSTALLER CLASSIFICATIONS:

GROUP 1: performs all necessary labor and uses all tools required to construct and set concrete forms required in the installation of highway and street signs

GROUP 2: performs all miscellaneous labor, uses all hand and power tools, and operates all other equipment, mobile or otherwise, required for the installation of highway and street signs

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TEAM0247-010 04/01/2015

AREA 1: LAPEER AND SHIAWASSEE COUNTIES

AREA 2: GENESEE, MACOMB, MONROE, OAKLAND, ST. CLAIR, WASHTENAW AND WAYNE COUNTIES

	Rates	Fringes
TRUCK DRIVER (Underground construction)		
AREA 1		
GROUP 1	$ 22.37	405.90/wk+59.50/day
GROUP 2	$ 22.46	405.90/wk+59.50/day
GROUP 3	$ 22.67	405.90/wk+59.50/day
AREA 2		
GROUP 1	$ 22.67	405.90/wk+59.50/day
GROUP 2	$ 22.81	405.90/wk+59.50/day
GROUP 3	$ 23.00	405.90/wk+59.50/day

PAID HOLIDAYS: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

SCOPE OF WORK: Excavation, site preparation, land balancing, grading, sewers, utilities and improvements; also including but not limited to, tunnels, underground piping, retention, oxidation, flocculation facilities, conduits, general excavation and steel sheeting for underground construction. Underground construction work shall not include any structural modifications, alterations, additions and repairs to buildings or highway work, including roads, streets, bridge construction and parking lots or steel erection.

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TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Truck driver on all trucks (EXCEPT dump trucks of 8 cubic yards capacity or over, pole trailers, semis, low boys, Euclid, double bottom and fuel trucks)

GROUP 2: Truck driver on dump trucks of 8 cubic yards capacity or over, pole trailers, semis and fuel trucks

GROUP 3: Truck driver on low boy, Euclid and double bottom

SUMI2002-001 05/01/2002

	Rates	Fringes
Flag Person	$ 10.10	0.00
LINE PROTECTOR (ZONE 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE)	$ 18.98	12.17
LINE PROTECTOR (ZONE 2: STATEWIDE (EXCLUDING GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE)	$ 17.14	12.17
Pavement Marking Machine (ZONE 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES) Group 1	$ 24.89	12.17
Pavement Marking Machine (ZONE 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE) Group 2	$ 22.40	12.17
Pavement Marking Machine (ZONE 2: STATEWIDE (EXCLUDING GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES) Group 1	$ 22.89	12.17
Pavement Marking Machine (ZONE 2: STATEWIDE (EXCLUDING GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE) Group 2	$ 20.60	12.17

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

WORK CLASSIFICATIONS:

PAVEMENT MARKER GROUP 1: Drives or operates a truck mounted striper, grinder, blaster, groover, or thermoplastic melter for the placement or removal of temporary or permanent pavement markings or markers.

PAVEMENT MARKER GROUP 2: Performs all functions involved for the placement or removal of temporary or permanent pavement markings or markers not covered by the classification of Pavement Marker Group 1 or Line Protector.

LINE PROTECTOR: Performs all operations for the protection or removal of temporary or permanent pavement markings or markers in a moving convoy operation not performed by the classification of Pavement Marker Group 1. A moving convoy operation is comprised of only Pavement Markers Group 1 and Line Protectors.

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were

SAMPLE

prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

BID #6881 Main Street Sidewalk Improvements – Northfield Township

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WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative

Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

==========

END OF GENERAL DECISION

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

Formatted: Indent: Left: 2", Space After: 0 pt, Line spacing: single

SIGNATURE PAGE

Signature	Company Name
Print Name	Company Address
Title	City, County, St. Zip
Office Telephone #	Cell Phone #
Federal Tax ID #	Email Address for Purchase Orders

The above individual is authorized to sign on behalf of company submitting proposal.

Proposals must be signed by an official authorized to bind the provider to its provisions for at least a period of 90 days. Signature page must be signed, boxes checked below, and returned as part of vendor proposal.

☐ By signing this bid submission, I certify that I and/or my corporation, company, limited liability company, business association, partnership, society, trust or any other non-governmental entity, organization or group is not an "Iran linked business" as defined by P.A. 517 of 2012 (MCLA 129.311 et seq)("Act").

I understand that under the Act, an "Iran linked business means an individual or one of the above-listed groups who engages in investment activities in the energy sector of Iran, including, but not limited to, providing oil or liquefied natural gas tankers or products used to construct or maintain pipelines used to transport oil or liquefied gas for Iran's energy sector or a financial institution extending credit to another person to engage in investment activities in Iran's energy sector.

I further understand that "investment activity" is defined by the Act as an individual or one of the above listed groups that invests $20,000,000.00 or more in Iran's energy sector or a financial institution that extends credit to another person, if that person uses the credit to engage in "investment activity" in Iran's energy sector.

SAMPLE

Howard Fink

From: Lindsay L. Wallace [wallacel@ewashtenaw.org]
Sent: Tuesday, March 29, 2016 11:44 AM
To: 'jacob.rushlow@ohm-advisors.com'
Cc: Nathan Voght
Subject: RE: Northfield Sidewalk RFP Price Sheet Request

Hi Jacob:

The RFP is in process of being finalized and I have a question – I would like to include a Price Sheet in the RFP that will list the prices required for each task. Can you give me a breakdown of these tasks? In addition, how many pages do you anticipate for the Scope of Work?

Thanks so much,

Lindsay Wallace

Office of Community & Economic Development
PO Box 915, 415 W. Michigan Ave., Suite 2200
Ypsilanti, MI 48197
tel: 734-544-3056 fax: 734-544-6749
web:www.ewashtenaw.org/oced

OFFICE OF COMMUNITY & ECONOMIC DEVELOPMENT
Collaborative solutions for a promising future

Howard Fink

From: Jacob Rushlow [jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, April 05, 2016 10:39 AM
To: Lindsay L. Wallace
Cc: Nathan Voght; Howard Fink
Subject: RE: Northfield Township RFP #6881
Attachments: image001.png

Hi Lindsay. Thank you for the draft copy. I am back in the office today after being off all last week and will take a look. I'll get back to you with any specific questions.

Jacob

From: Lindsay L. Wallace [mailto:wallacel@ewashtenaw.org]
Sent: Monday, April 4, 2016 3:45 PM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com>
Cc: Nathan Voght <voghtn@ewashtenaw.org>; Howard Fink <finkh@twp.northfield.mi.us>
Subject: Northfield Township RFP #6881

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If you have any questions, concerns or comments on this, please let me know.

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Lindsay Wallace

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web:www.ewashtenaw.org/oced

Howard Fink

From: Lindsay L. Wallace [wallacel@ewashtenaw.org]
Sent: Wednesday, April 20, 2016 1:37 PM
To: 'Jacob Rushlow'
Cc: Nathan Voght; Howard Fink
Subject: RE: Northfield Township RFP #6881

Hi Jacob:

I hope you're doing well. I wanted to follow up with you on this – have you had a chance to review the draft and include the requested information?

Please let me know if you have any questions.

Thanks,
Lindsay

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Howard Fink

From: Jacob Rushlow [jacob.rushlow@ohm-advisors.com]
Sent: Thursday, April 21, 2016 11:41 AM
To: Lindsay L. Wallace
Cc: Nathan Voght; Howard Fink
Subject: RE: Northfield Township RFP #6881
Attachments: image001.png

Hi Lindsay. Thanks for checking in with us. I was out of the office in meetings all day yesterday but checked in with my team here this morning. They have been working to combine our bid form (price sheet) and technical specs with the County contract documents. I anticipate we will have this in a final draft form by the end of the week and will send a copy to the County and Township for review. Between your office and ours we can adjust any comments as needed to finalize the bid documents.

Jacob

From: Lindsay L. Wallace [mailto:wallacel@ewashtenaw.org]
Sent: Wednesday, April 20, 2016 1:37 PM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com>
Cc: Nathan Voght <voghtn@ewashtenaw.org>; Howard Fink <finkh@twp.northfield.mi.us>
Subject: RE: Northfield Township RFP #6881

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Please let me know if you have any questions.

Thanks,
Lindsay

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Sent: Tuesday, April 05, 2016 10:39 AM
To: Lindsay L. Wallace
Cc: Nathan Voght; Howard Fink
Subject: RE: Northfield Township RFP #6881

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Sent: Monday, April 4, 2016 3:45 PM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com<mailto:jacob.rushlow@ohm-advisors.com>>
Cc: Nathan Voght <voghtn@ewashtenaw.org<mailto:voghtn@ewashtenaw.org>>; Howard Fink <finkh@twp.northfield.mi.us<mailto:finkh@twp.northfield.mi.us>>
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If you have any questions, concerns or comments on this, please let me know.

Thanks so much and best,

Lindsay Wallace

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Ypsilanti, MI 48197
tel: 734-544-3056 fax: 734-544-6749
web:www.ewashtenaw.org/oced

[cid:image001.png@01CCF6DF.8C1D1D80]

Howard Fink

From: Jacob Rushlow [jacob.rushlow@ohm-advisors.com]
Sent: Thursday, April 28, 2016 3:48 PM
To: Lindsay L. Wallace
Cc: Nathan Voght; Howard Fink
Subject: RE: Northfield Township RFP #6881
Attachments: image001.png; RFP - Northfield Sidewalk RFP 6881 OHM 2016-4-28.doc; SIB - Northfield Sidewalk.doc; General Specifications.pdf; SS - Northfield Sidewalk.doc; Appendix A - Geotech Report.pdf; Appendix B - mdot R028J.PDF; Appendix B - mdot R029I.PDF; Appendix B - mdot R096e.pdf; Appendix B - mdot wzd125e.pdf; Appendix C - MDOT Special Provision for Rectangular Rapid Flashing Beaco....pdf; Tech Spec - MOP - Northfield Sidewalk.doc; Tech Spec - Northfield Sidewalk.pdf

Hi Lindsey,

As we discussed in our phone conversation this afternoon, I am submitting to you draft specifications and supporting documents to be included with the WCCED RFP. In the RFP we inserted a paragraph about the general scope of work and replaced the price sheet with our itemized bid form. I also included a few comments/questions as tracked changes in the RFP document.

For preparing the RFP using our construction specifications I prepared the following recommendation for organizing these pieces into one bid document:

WCCED RFP
Supplemental Instructions to Bidders
General Specifications
Supplemental Specifications
Technical Specifications
Appendix (A & B)

We are also still working with the Road Commission for their approval and a permit to do work within the Main Street ROW and may need to make some minor plan/spec changes based on their comments.

Please call or e-mail me with any questions. Thanks.

JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

T 734.522.6711
F 734.522.6427
D 734.466.4517
C 734.812.7154

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Twitter<http://twitter.com/ohmadvisors> | LinkedIn<http://www.linkedin.com/company/420876>

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all copies. You should not copy, forward and/or disclose this message, in whole or in part, without permission of the sender.

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SUPPLEMENTAL INSTRUCTIONS TO BIDDERS

These Supplemental Instructions to Bidders (SIB) amend or supplement the Instructions to Bidders. All provisions that are not so amended or supplemented remain in full force and effect.

A. Time of Completion & Construction Schedule

Prior to the execution of the Contract, the CONTRACTOR shall submit an outline of his proposed order of work and indicate dates for completing the major items of work. Major items shall be considered to be station grading, sidewalk placement, and surface restoration. This schedule, when approved by the OWNER, shall become part of the Contract.

A pre-construction meeting shall be arranged prior to the start of work. The CONTRACTOR shall bring a tentative schedule to the pre-construction meeting. At this time, all Contract requirements shall be reviewed.

It is anticipated that construction will begin on Begin. The CONTRACTOR shall complete the proposed work, including final tests thereof, in order to have the new sidewalk finished as of the substantial completion date. Final cleanup and restoration shall be finished by the project completion date, unless otherwise directed in writing by the OWNER or its ENGINEER.

Summary of anticipated dates:

Contract Award..... Award

Notice to Proceed..... Proceed

Construction Start Date..... StartDate

Substantial Completion Date ..... Date

Project Completion ..... ProjCompletion

All requests for extensions of time shall be submitted in writing in accordance with Section 15 of the General Conditions. Such requests shall:

1. Detail the reason for the request.
2. Provide a realistic revised completion date.
3. Indicate any other areas that may be impacted by such an extension.

The CONTRACTOR shall request a deadline extension as soon as it has become apparent the completion date is unreasonable. In no case will a request be considered if it is submitted after the originally required completion date has passed.

B. Geotechnical Data

A geotechnical investigation report and soil boring information has been prepared and is provided in the Appendix section.

C. MINIMUM WAGE REQUIREMENTS

The OWNER has specific minimum wage requirements that are as follows:

Davis-Bacon Act, July 2, 1964 (Title 40, USC, 276A)

Anti-Kickback Act (Title 18, USC 874)

U.S. Department of Labor Regulations and Standards (Title 29, 1, 3 and 5)

Equal Employment Opportunity Act, September 18, 1965 (Executive Order No. 11246)

Federal Occupational Safety and Health Act of 1970

Housing and Urban Development Act of 1968, Section 3, as amended, 12 USC, 1701u.

D. Hours of Work

Work hours are Monday through Saturday from 7:00 a.m. to 7:00 p.m are permitted. Night and additional weekend work is allowed, with prior approval from the Owner.

E. Permits

The following permits will be required for project construction. The CONTRACTOR is required to comply with all terms and conditions of the permit as incidental to the unit prices bid and no extra compensation will be allowed.

a. Permitting Agency: Washtenaw County Road Commission

Contact at Agency: Gary Streight

Phone number: (734) 761-1500

Permit Fee: Fee

Bond Amount (if applicable): Bond

Date of Application: Date

Person Responsible for Acquiring the Permit: Contractor

Date Permit issued if already in hand: _____

Application has been made by the Engineer for the permits identified above. Unless otherwise indicated, the CONTRACTOR must secure the permits prior to the start of construction and shall be responsible for all associated fees, deposits, bonds, proof of insurance, etc. The Contractor shall also be responsible for arranging for inspection by the governing agencies.

F. Pre-bid Meeting

A mandatory pre-bid meeting will be held at the Northfield Township office, 8350 Main Street, Whitmore Lake, MI 48189 on Friday April 22, 2016 at 10:00 AM.

SUPPLEMENTAL SPECIFICATIONS

1. General 2
2. Location of Project 2
3. Scope of Project 2
4. Construction Standards 2
5. Progress Meetings 2
6. Incidental Contract Items 2
7. Minimum Wage Requirements 2
8. Federal Requirements 2
9. Fair Employment Practices Act 3
10. Observation of Construction 3
11. Hours of Work 3
12. Testing & Sampling 3
13. Limited Work Space and Stockpiling Materials 4
14. Staking 4
15. Station Grading 4
16. Concrete Curb and Gutter 5
17. Granular and aggregate bases 5
18. Traffic Maintenance & Control 6
19. Load Restrictions on Local Streets 7
20. Utilities 7
21. Emergency Repair 8
22. Concrete Pavement Construction 10
23. Mail/Newspaper Boxes 10
24. Digital video recording 10

1. GENERAL

These Supplemental Specifications are supplements to the General Conditions and General Specifications. Where conflicts exist between the aforementioned Contract Documents, the conditions in the Supplemental Specifications shall govern.

2. LOCATION OF PROJECT

The project site is located at Main Street in Whitmore Lake, MI.

3. SCOPE OF PROJECT

The work to be done under this Contract includes the furnishing of all materials, equipment, and labor necessary to construct the proposed sidewalk and pedestrian crossings as well as all necessary earthwork, cleaning and restoration in accordance with the plans and specifications.

4. CONSTRUCTION STANDARDS

It is the intention of these specifications to construct all work in accordance with applicable requirements of the Northfield Township, the Washtenaw County Road Commission, these specifications, and the plans referenced herein. Where there is a conflict between any of the aforementioned specifications and the permit requirements of the agency controlling the respective utility or rights-of-way, the more restrictive shall govern.

5. PROGRESS MEETINGS

During the life of the project bi-weekly progress meetings may be held to discuss the project status, potential construction problems, the schedule, and other items that may impact the progress of the work. This meeting shall be attended by the CONTRACTOR, any subcontractors whose work is in progress or will be started in the two weeks following the progress meeting, the ENGINEER and the OWNER. The date, place, and time of the first progress meeting will be set at the preconstruction meeting and subsequent meetings will follow every 2 weeks.

6. INCIDENTAL CONTRACT ITEMS

All items of work noted on the plans or in the specifications that are not specifically noted in the Bid Form as a pay item shall be considered included in the pay items provided for the construction of the project and shall be constructed at no extra cost to the OWNER.

7. MINIMUM WAGE REQUIREMENTS

The OWNER has specific minimum wage requirements that are shown as follows:

Washtenaw County Living Wage Ordinance requires a minimum of either $12.00 per hour with benefits or $14.07 per hour without benefits.

8. FEDERAL REQUIREMENTS

This project is being funded in part by the Federal Government. Therefore, it is mandatory that the CONTRACTOR be in compliance with the following Federal Requirements:

A. Davis-Bacon Act, July 2, 1964 (Title 40, USC, 276A)

B. Anti-Kickback Act (Title 18, USC 874)

C. U.S. Department of Labor Regulations and Standards (Title 29, 1, 3 and 5)

D. Equal Employment Opportunity Act, September 18, 1965 (Executive Order No. 11246)

E. Federal Occupational Safety and Health Act of 1970

F. Housing and Urban Development Act of 1968, Section 3, as amended, 12 USC, 1701u.

9. FAIR EMPLOYMENT PRACTICES ACT

The CONTRACTOR agrees that neither he nor his subcontractors will discriminate against any employee or applicant for employment. The CONTRACTOR shall not discriminate with respect to his hire, tenure, terms, conditions or privileges of employment, or any matter directly or indirectly related to employment, because of race, color, religion, national origin or ancestry, nor shall age or sex be a condition of employment except where based upon an occupational qualification. Breach of these covenants may be regarded as a material breach of this Contract.

10. OBSERVATION OF CONSTRUCTION

All construction operations will require full time observation by the OWNER's representative. The CONTRACTOR must notify the ENGINEER at least three (3) working days (72 hours) prior to construction and no work shall be performed without the ENGINEER's presence or awareness. Contact the Construction Staffing Coordinator at (734) 522-6711 to schedule observation.

11. HOURS OF WORK

Work may be performed during the hours of 7:00 a.m. to 7:00 p.m., Monday through Saturday only. Work at other times may be performed only by written permission of the OWNER.

12. TESTING & SAMPLING

The CONTRACTOR shall furnish all samples of materials necessary for tests as determined by the ENGINEER or the Construction Observer. All samples taken for analysis and tests shall be taken in such a manner as to be truly representative of the entire lot under test. The CONTRACTOR shall furnish such assistance and facilities as the ENGINEER may require for collecting, storing or curing samples. Where materials tests are to be performed by the manufacturer, the certificates of approval shall be submitted to the ENGINEER. The cost of all such testing by manufacturers shall be incidental to the project. Additional required tests on materials in place shall be made at the expense of the OWNER, unless otherwise stipulated.

The OWNER's Agent shall arrange for and furnish testing services as provided by an acceptable independent laboratory as part of this Contract. These services shall be as follows, in addition to the testing requirements noted in the General Conditions:

All concrete shall be slump and air tested, with cylinders taken (as noted above) in compliance with the current MDOT Standard Specifications for Construction.

There may be areas with uncompacted fill material or organic materials; as a result, all areas within the influence of proposed pavement shall be proof rolled as a minimum, to the satisfaction of the ENGINEER. Some testing may be required.

All aggregate base and pavement shall be tested for compaction. A reputable firm, approved by the ENGINEER shall extensively test all such areas with a nuclear densimeter. In addition, all utility crossings and the areas immediately adjacent to any structures in the pavement shall be specifically tested. Areas which fail shall be compacted further and retested. Failure to pass a second test shall be reason to undercut and refill the area, as directed by the ENGINEER, with careful attention to compaction.

13. LIMITED WORK SPACE AND STOCKPILING MATERIALS

The CONTRACTOR shall receive no additional payment or contract extension for hardship or loss of productivity as a result of the limited work space vertically or horizontally. All stockpile locations must be approved by the ENGINEER prior to placement of materials, but the ENGINEER may request relocation of stockpiled or stored materials if they appear to create a plausible public safety hazard or any type of long-standing problem. If the CONTRACTOR wishes to stockpile material on nearby vacant property, it will be his responsibility to contract the property owner for permission. The Township or County will not become involved with any such agreements and will not be held responsible for any damages which the CONTRACTOR may cause to private property. The CONTRACTOR shall not be compensated for restoration of stockpiling areas unless said areas were within the original project grading limits. All surplus materials which cannot be incorporated into the work shall become the property of the CONTRACTOR and shall be removed from the project areas by the CONTRACTOR prior to final payment.

14. STAKING

The ENGINEER will provide construction staking. The staking shall consist of horizontal and/or vertical control staking for sidewalk construction at 50 foot intervals. The CONTRACTOR is responsible for providing a written request for staking to the ENGINEER at least seventy-two (72) hours in advance of starting work and notifies the lead ENGNEER. Staking requests should be emailed to both Luke Heath at luke.heath@ohm-advisors.com and Gary Smolinski at gary.smolinski@ohm-advisors.com. The CONTRACTOR shall carefully preserve all stakes set by the ENGINEER. In the case of willful or careless destruction, the ENGINEER shall provide the restaking and the CONTRACTOR shall be charged with the resulting expense and shall be responsible for delays and errors caused by unnecessary loss or disturbance of the stakes. The expense for restaking will be entered as a deduct on pay estimates and the resulting amount retained by the OWNER for payment of restaking.

15. STATION GRADING

A pay item for Station Grading is included on the Bid Form for this project.

This work shall be done in accordance with methods of roadway earthwork as described in Section 205 of the 2012 Michigan Department of Transportation Standard Specifications for Construction except as herein provided.

The work of Station Grading shall consist of all earthwork required to construct the sidewalk and pedestrian crossings shown on the plans and typical cross sections. The work shall include the salvaging and stockpiling of selected materials, disposing of surplus or unsuitable material, furnishing, placing and compacting embankment materials, trimming the earth grade, compacting the subgrade, and maintaining the work in a finished condition until acceptance by the ENGINEER.

All suitable excavated material from the project, including undercut, shall be used as directed by the ENGINEER to construct embankments, backfill muckholes, or flatten slopes as incidental.

All surplus excavated and unsuitable or waste material not incorporated into the project shall become the property of and shall be disposed of by the CONTRACTOR as incidental. The CONTRACTOR shall follow federal, state and local regulations in the disposal of surplus materials.

After the earth grade has been constructed to the required grade, all stones and rocks more than three (3) inches in diameter, appearing on the surface, shall be removed.

The grading shall be so conducted as to avoid removing or loosening any material outside of the required slopes, and any such material which may be removed or loosened shall be replaced and thoroughly compacted to the required cross section.

In addition to the items as specified in the 2012 MDOT Standard Specifications for Construction, the following items are included:

A. Strip topsoil within the grading limits (six (6) inch maximum depth).

B. Clearing of brush and shrubs and the removal of trees less than six (6) inches in diameter.

C. Backfilling behind the curb, and adjacent to drive approaches and drives.

D. Removal or relocation of all signs within the grading limits for which no other Contract item applies.

E. Removal of all other items which are identified as incidental and/or for which no other Contract item applies.

F. Constructing new swales and ditches as directed in the field.

G. Reconstruction/regrading/cleanout of existing drainage courses and ditches.

The CONTRACTOR is advised that he should perform his own earthwork calculations for the road construction work when preparing his bid price.

16. CONCRETE CURB AND GUTTER

Concrete curb and gutter shall be constructed to match the existing curb and gutter type and dimensions, and be in accordance with Section 802 of the MDOT Standard Specifications for Construction.

17. GRANULAR AND AGGREGATE BASES

Base material for the proposed sidewalk shall meet the requirements for MDOT Class II Granular material and for the proposed pathway shall meet the requirements for MDOT 21AA Limestone. Natural aggregate shall be used as determined by the Engineer to condition the existing aggregate base at commercial drive approaches that require HMA patching. This aggregate material shall meet the requirements of MDOT 21AA limestone when necessary, which cost shall be incidental to Hand Patching, HMA.

18. TRAFFIC MAINTENANCE & CONTROL

A. General

During the course of construction, provisions must be made to maintain access for emergency vehicles at all times. Where possible and when directed by the ENGINEER, all streets must be left open to traffic at the end of each working day. Traffic maintenance and control as defined in this section shall be considered as included in the unit bid prices or lump sum bid prices that are given in the Bid Form.

All work for maintaining traffic and control shall be in accordance with Section 812 of the 2012 MDOT Standard Specifications for Construction and the current edition of the Michigan Manual of Uniform Traffic Control Devices, (MMUTCD). The Contractor shall also comply with work zone sign requirements as described in Public Act 315 of 2003.

The CONTRACTOR shall conduct his operations and use of equipment in such a manner that traffic will be maintained throughout the entire length of the project. When conditions are such as to warrant variations from this requirement, the procedure to be followed shall be approved by the ENGINEER prior to such procedure being put into effect.

The CONTRACTOR shall furnish, erect and maintain all barricades, signs and lights as required according to the current edition of the MMUTCD. Flagmen shall also be provided by the CONTRACTOR as necessary to protect the vehicular and pedestrian traffic and the work within the work zone areas. CONTRACTOR shall be responsible for notifying concerned parties such as Police, Fire, and school officials if a road closure and/or detour will be in effect. The CONTRACTOR shall notify the same parties when the road has been reopened.

Once work on a particular utility is begun, the CONTRACTOR must continue his work to completion. The OWNER will not permit random movements of work operations among the project area that tend to confuse traffic patterns.

B. Provision for Local Traffic

During the progress of the work, the CONTRACTOR shall accommodate both local vehicular and pedestrian traffic along the roads.

Access to all residences and businesses shall be maintained except as noted on the plans or as directed by the ENGINEER.

The CONTRACTOR's truck and equipment operations on public streets shall be governed by all local traffic ordinances and regulations of the Fire and Police Departments, the OWNER, and Michigan Department of Transportation.

C. Existing Warning and Regulatory Signs

Wherever possible, all existing signs on this project are to be preserved and maintained as incidental to the project.

Where it is not possible to preserve existing traffic control signs and street name signs, they shall be removed, temporarily reset and maintained by the CONTRACTOR. Upon completion of the project, the CONTRACTOR will reset traffic control signs and street name signs in the proper position.

In cases where new signs are called for, they shall be placed in accordance with the requirements outlined elsewhere in the Contract Documents.

Any new or existing signs damaged by the CONTRACTOR shall be replaced in kind by him at no additional cost to the OWNER.

D. Lane Closures and Detours

Any temporary closures or temporary access drives shall be approved by the OWNER, and shall meet their specifications and standards as well as those of the MMUTCD. Where there are conflicts, the more restrictive requirement shall apply. If any type of closure is to occur during twilight or darkness, proper lighting will be required.

E. Construction Signs and Barricades

Warning signs and barricade configurations shall meet the requirements of the MMUTCD, the OWNER, and the Michigan Department of Transportation.

The CONTRACTOR shall not begin any operation on the project until all required signs and barricades have been set.

All signs to be used during twilight or darkness shall be reflectorized, in good condition, with two continuous flashing lights.

The construction site shall at all times be maintained and left in a clean, neat, and safe condition, including any construction signing.

After working hours, signs that are not appropriate shall be covered and/or removed so that motorists will not be confused. The CONTRACTOR shall also remove and replace or cover (where practical) existing traffic signs that may conflict with the proposed construction.

19. LOAD RESTRICTIONS ON LOCAL STREETS

The CONTRACTOR shall not operate heavy trucks or equipment on any side street within the project area without permission from ENGINEER, the OWNER or appropriate governing agency.

20. UTILITIES

The location of public or private utilities shown on the plans is in accordance with mapping provided by the utility owners. No guarantee is given that the locations are absolutely accurate or that utilities other than those shown are not present.

For protection of underground utilities, the CONTRACTOR shall contact "Miss Dig" at 1-800-482-7171 a minimum of three (3) working days prior to excavating. This does not relieve the CONTRACTOR of the responsibility of notifying utility owners who may not be part of the "Miss Dig" alert system.

During the course of the construction, the CONTRACTOR will encounter both overhead and underground utilities. The names and phone numbers of the utility company representatives are shown as follows:

UTILITY	OWNER	NAME & PHONE NUMBER
Electric	Detroit Edison	Steven Facine (313) 235-9379
Fiber Optic	Charter Communications	Dan Bielaczyc (231) 941-3819
Fiber Optic	Windstream Communications	Joel Schroeder (310) 790-1514
Fiber Optic	Level 3	Judy Henry (720) 888-2061
Gas	Consumers Energy	Kurt Golding (999) 999-9999
Telephone	AT&T	Elizabeth Gaujanian (734) 996-5385
Water & Sanitary Sewer	Northfield Township WWTP	Tim Hardesty (734) 449-4159

Utility relocation work is not expected to be necessary for this project.

The electric, gas and telephone public utilities have been notified of existing underground utilities and utility poles that are within the construction limits. Those utilities in conflict with the proposed construction will be relocated by the utility OWNER. The CONTRACTOR shall cooperate with utility company forces to minimize project delays.

In the event that utilities are encountered which require relocation, it shall be the CONTRACTOR's responsibility to arrange for and schedule the relocation of the affected utilities with the owners.

No additional compensation will be paid for delays due to the encountering of existing utilities that are or are not shown on the plans.

21. EMERGENCY REPAIR

When the CONTRACTOR is not actively performing work on a particular construction site, situations of an emergency nature may arise as a result of uncompleted work. Such situations may affect, directly or indirectly, public and/or private property, and may ultimately affect the health, safety, and welfare of individuals or the general public. The intent of this article is to provide a procedure to eliminate these problems as they occur. While these problem

situations can and do readily develop as emergencies, the ENGINEER shall direct field-related operations and require immediate efforts by the CONTRACTOR to remedy the deficiency in a method of his choosing because of his expertise in the field, time being of the essence. The correction of the "emergency" which may arise when no activity exists on the construction site shall be handled in the following manner:

A. The ENGINEER shall observe the site, take any necessary photographs and/or prepare any necessary sketches of conditions at the site to determine that the situation constitutes an emergency.

B. The ENGINEER then has three alternative sources of manpower and equipment to be selected to remedy the emergency situation in the following order:

    1. The CONTRACTOR under Contract with the OWNER to perform all work on the site location in question;

    2. The OWNER's Building Department

    3. An independent CONTRACTOR designated by the OWNER.

Since the nature and extent of most unfinished work on a particular construction site is well known by both the ENGINEER's authorized agent and the CONTRACTOR at the time of declaring such an "emergency situation" as set forth herein before; the CONTRACTOR under Contract to the OWNER for the particular project would be the first party notified and would be expected to respond immediately with necessary manpower and equipment to remedy the problem.

If a reasonable time to respond to the emergency notification is not evident, in the best judgment of the ENGINEER, then the CONTRACTOR shall be judged to have waived his rights to physically correct the problem, but not his obligations to pay for such a physical correction or damages resulting there from. The ENGINEER shall then contact the OWNER's Building Department for their assistance in correcting the "emergency situation". Where existing commitments by the Building Department prohibit their immediate response to the request by the ENGINEER, the ENGINEER shall finally direct that corrective measures be performed by the independent contractor previously contacted by the OWNER to perform such emergency work when so directed.

Since the cost for all remedial work undertaken by the CONTRACTOR on this project shall be borne by the CONTRACTOR and it is necessary to engage the services of the Building Department or an independent contractor, then all costs incurred would be deducted from monies due and payable to the CONTRACTOR on the particular project as set forth on any ensuing regular job estimates.

Typical costs which will be deducted from Contract monies due would be:

A. Payroll wages

B. Material bills

C. Equipment rental (Detroit area rates) and moving costs

D. 15% profit and overhead for independent contractor

E. 10% administrative costs

F. Observation costs

22. CONCRETE PAVEMENT CONSTRUCTION

Concrete pavement shall be constructed in accordance with the 2012 MDOT Standard Specifications for Construction unless otherwise indicated in the Supplemental Specifications, Appendix, plan notes, or plan details.

23. MAIL/NEWSPAPER BOXES

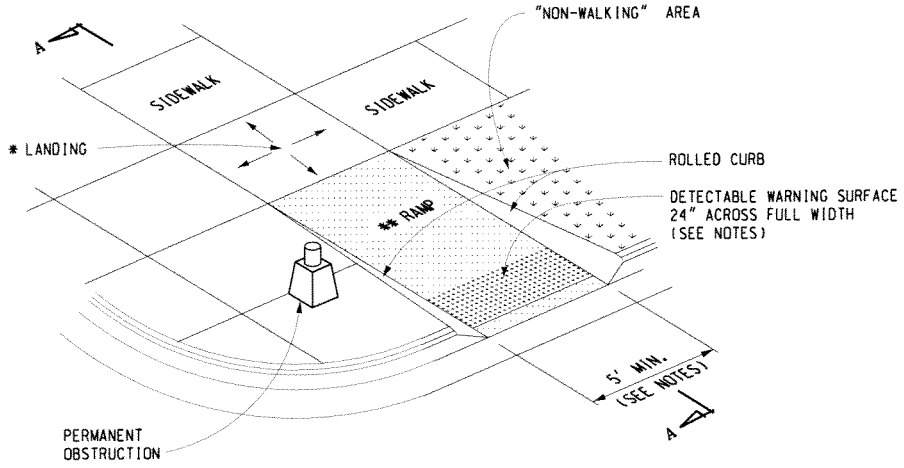
The CONTRACTOR shall remove mailboxes that may conflict with the new construction and replace to their original location in accordance with requirements of the U.S. Post Office. Any mailbox or post not indicated on the plans for removal or replacement that is damaged by the CONTRACTOR's operations shall be replaced in kind by the CONTRACTOR at no additional charge to the OWNER. If temporary street closures or construction activities occur which prohibit delivery of mail by the postal department, then alternate provisions for mail delivery shall be provided by the CONTRACTOR and approved by the OWNER, also at no additional charge to the OWNER.

24. DIGITAL VIDEO RECORDING

Prior to the start of construction, the entire right-of-way including the temporary construction easements along the east side of Main Street shall be recorded. Limits along the project include a minimum of 15 feet past right-of-way and/or easement limits along the east side of Main Street from the point of beginning of construction to the point of ending. The digital video recording shall extend 25 feet past the start and end limits of the project.

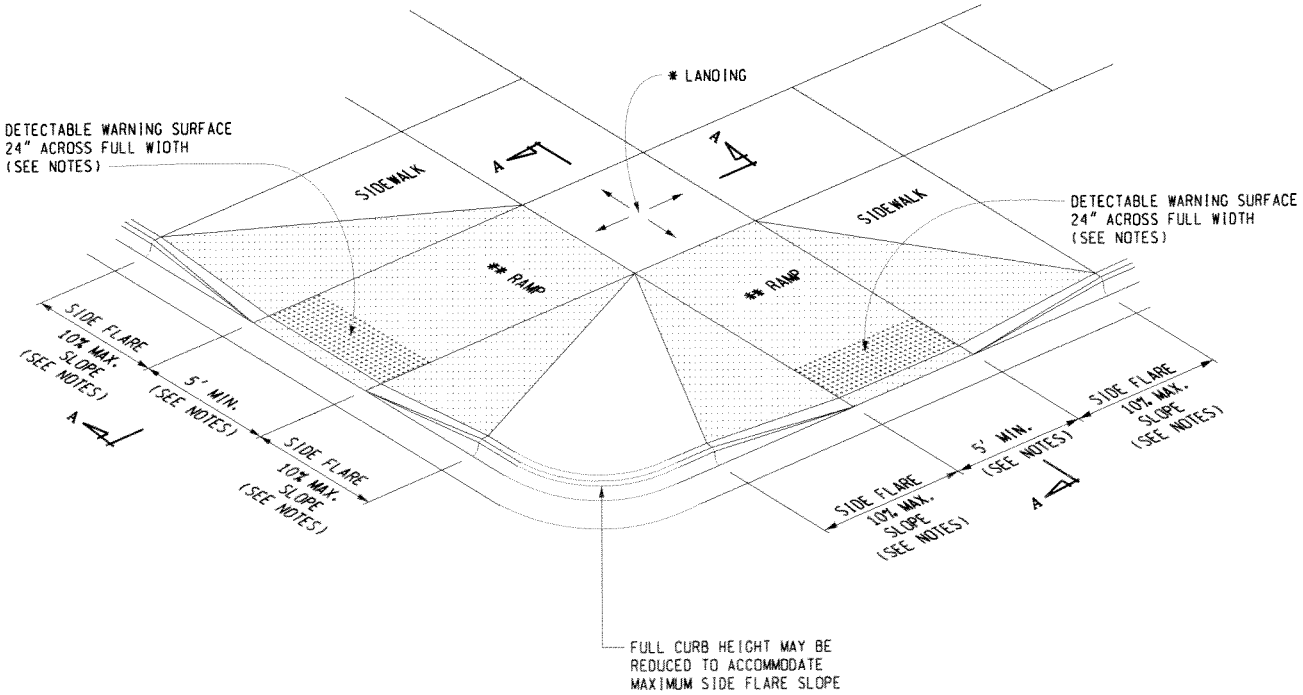
* MAXIMUM LANDING SLOPE IS 2.0% IN EACH DIRECTION OF TRAVEL. MINIMUM DIMENSIONS 5' x 5'. SEE NOTES.

** MAXIMUM RAMP CROSS SLOPE IS 2.0%. RUNNING SLOPE 5% - 7% (8.3% MAXIMUM). SEE NOTES.



SIDEWALK RAMP TYPE R

(ROLLED SIDES)



SIDEWALK RAMP TYPE F

(FLARED SIDES, TWO RAMPS SHOWN)

MDOT Michigan Department of Transportation

PREPARED BY DESIGN DIVISION

DRAWN BY: B.L.T.

CHECKED BY: W.K.P.

DEPARTMENT DIRECTOR
Kirk T. Steudle

APPROVED BY: _____
DIRECTOR, BUREAU OF FIELD SERVICES

APPROVED BY: _____
DIRECTOR, BUREAU OF DEVELOPMENT

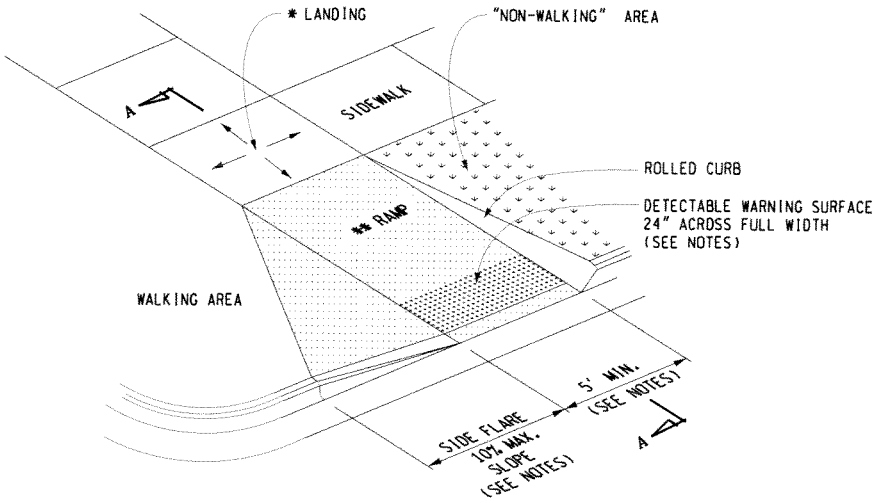
MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF DEVELOPMENT STANDARD PLAN FOR

SIDEWALK RAMP AND DETECTABLE WARNING DETAILS

F.H.W.A. APPROVAL	3-15-2016 PLAN DATE	R-28-J	SHEET 1 OF 7

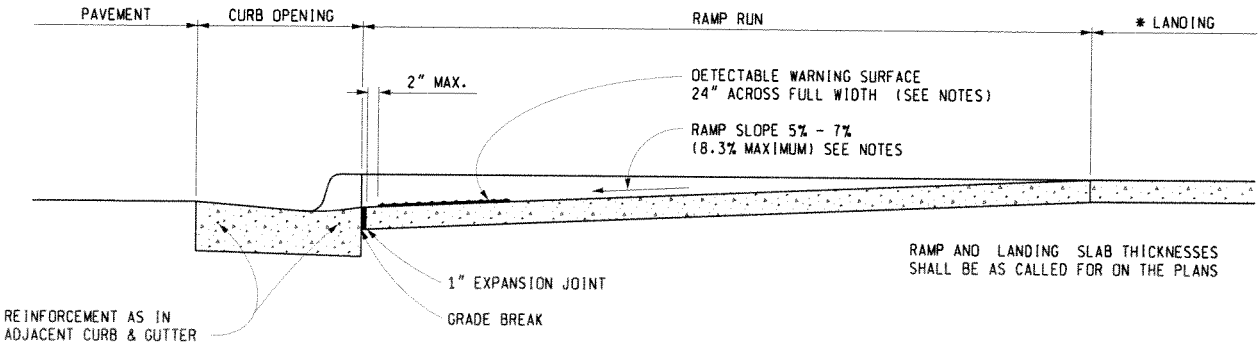
* MAXIMUM LANDING SLOPE IS 2.0% IN EACH DIRECTION OF TRAVEL. MINIMUM DIMENSIONS 5' x 5'. SEE NOTES.

** MAXIMUM RAMP CROSS SLOPE IS 2.0%. RUNNING SLOPE 5% - 7% (8.3% MAXIMUM). SEE NOTES.



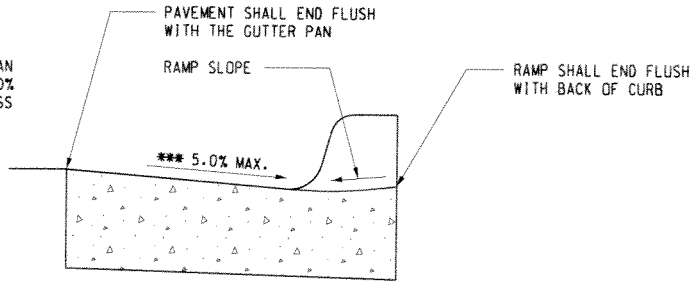
SIDEWALK RAMP TYPE RF

(ROLLED / FLARED SIDES)



SECTION A-A

*** TRANSITION ADJACENT GUTTER PAN CROSS SECTION TO PROVIDE 5.0% MAXIMUM COUNTER SLOPE ACROSS THE RAMP OPENING.



SECTION THROUGH CURB OPENING

(TYPICAL ALL RAMP TYPES)

MICHIGAN DEPARTMENT OF TRANSPORTATION

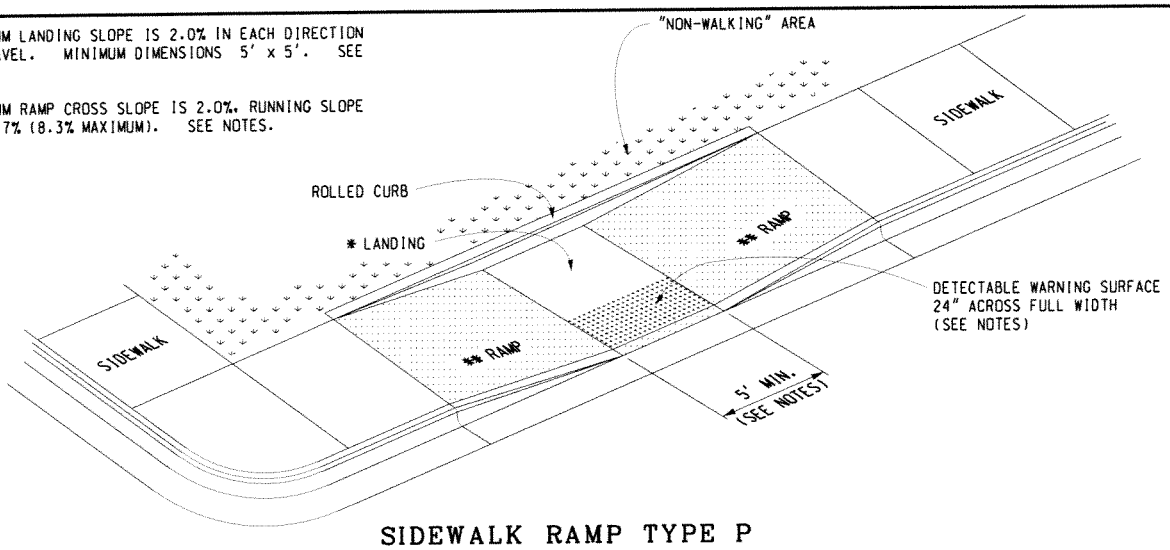
BUREAU OF DEVELOPMENT STANDARD PLAN FOR

SIDEWALK RAMP AND DETECTABLE WARNING DETAILS

F.H.W.A. APPROVAL	3-15-2016 PLAN DATE	R-28-J	SHEET 2 OF 7

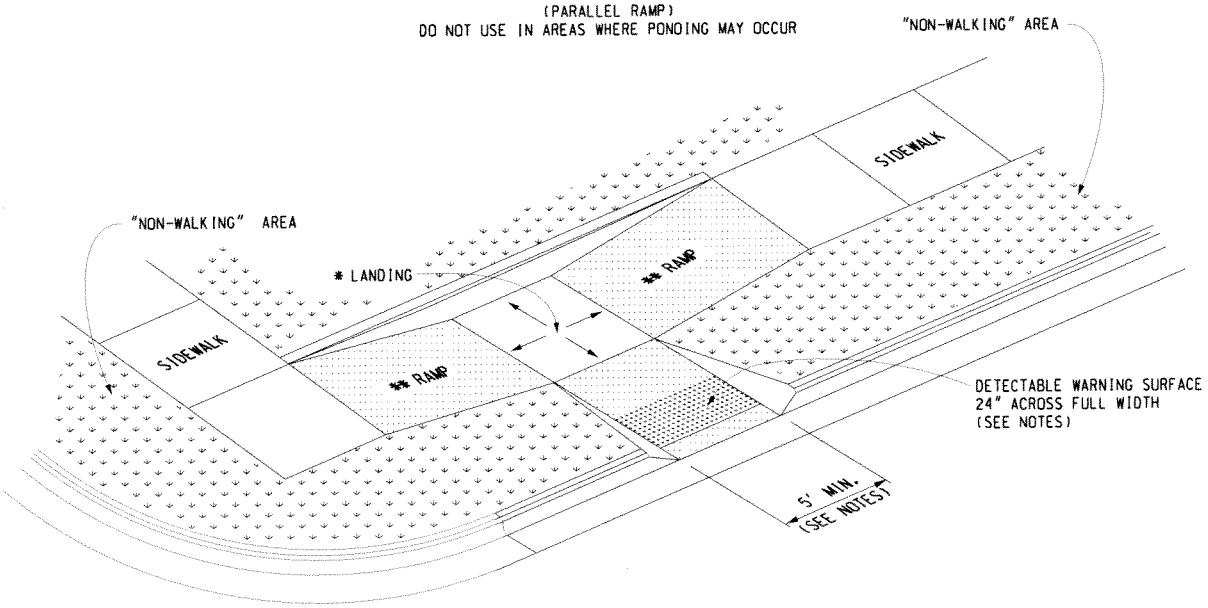
* MAXIMUM LANDING SLOPE IS 2.0% IN EACH DIRECTION OF TRAVEL. MINIMUM DIMENSIONS 5' x 5'. SEE NOTES.

** MAXIMUM RAMP CROSS SLOPE IS 2.0%. RUNNING SLOPE 5% - 7% (8.3% MAXIMUM). SEE NOTES.



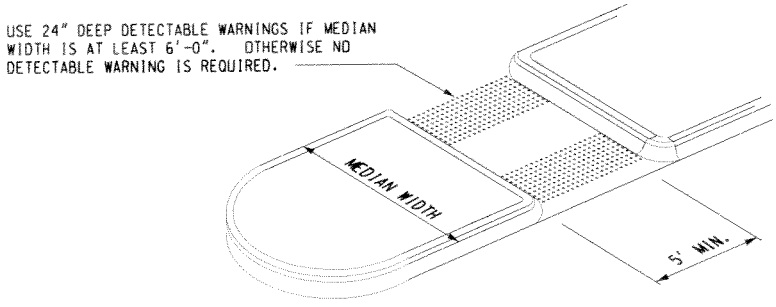
SIDEWALK RAMP TYPE P

(PARALLEL RAMP)
DO NOT USE IN AREAS WHERE PONDING MAY OCCUR



SIDEWALK RAMP TYPE C

(COMBINATION RAMP)



SIDEWALK RAMP TYPE M

(MEDIAN ISLAND)

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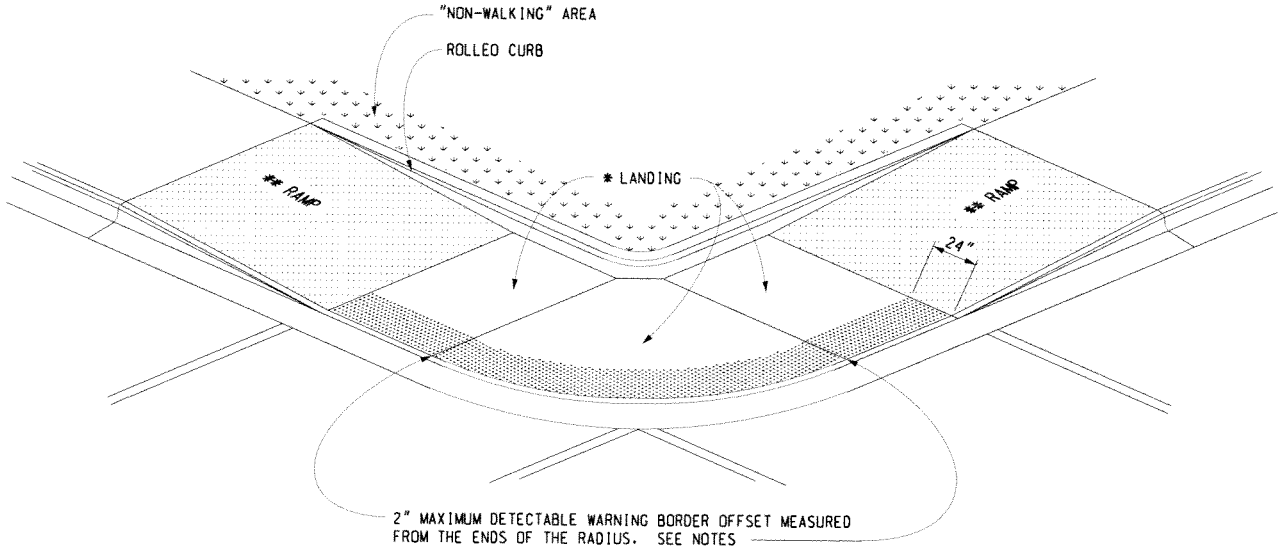
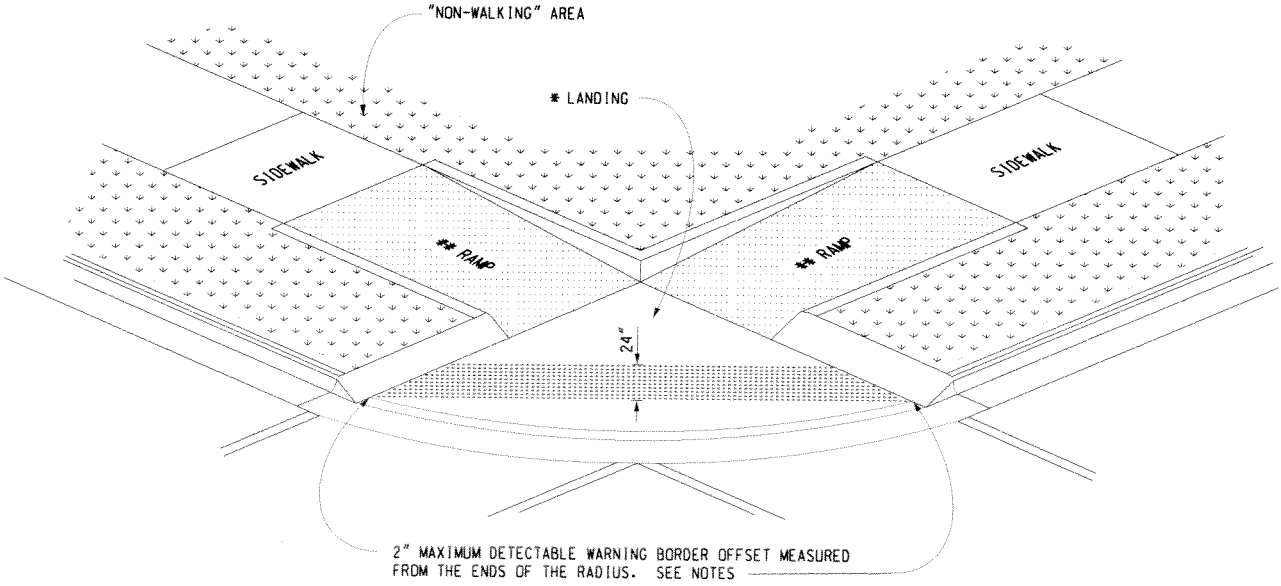
F.H.W.A. APPROVAL	3-15-2016 PLAN DATE	R-28-J	SHEET 3 OF 7

* MAXIMUM LANDING SLOPE IS 2.0% IN EACH DIRECTION OF TRAVEL. MINIMUM DIMENSIONS 5' x 5'. SEE NOTES.

** MAXIMUM RAMP CROSS SLOPE IS 2.0%. RUNNING SLOPE 5% - 7% (8.3% MAXIMUM). SEE NOTES.



(RADIAL DETECTABLE WARNING SHOWN)



(TANGENT DETECTABLE WARNING SHOWN)

SIDEWALK RAMP TYPE D

(DEPRESSED CORNER)

USE ONLY WHEN INDEPENDENT DIRECTIONAL RAMPS CAN NOT BE CONSTRUCTED FOR EACH CROSSING DIRECTION

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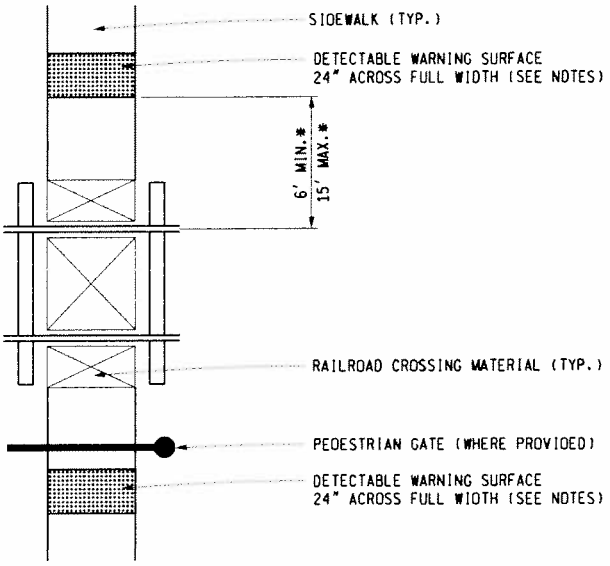
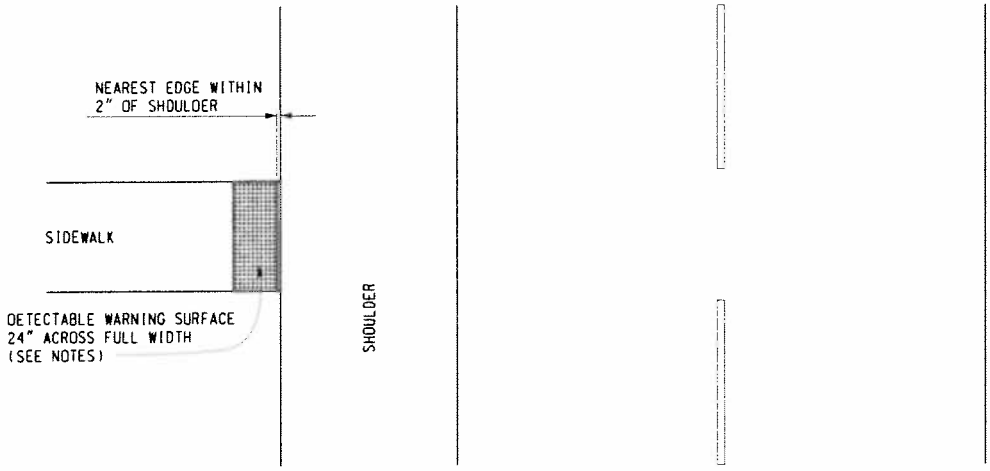
* THE DETECTABLE WARNING SURFACE SHALL BE LOCATED SO THAT THE EDGE NEAREST THE RAIL CROSSING IS 6' MINIMUM AND 15' MAXIMUM FROM THE CENTERLINE OF THE NEAREST RAIL. DO NOT PLACE DETECTABLE WARNING ON RAILROAD CROSSING MATERIAL.



DETECTABLE WARNING AT RAILROAD CROSSING



DETECTABLE WARNING AT FLUSH SHOULDER OR ROADWAY

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BUREAU OF DEVELOPMENT STANDARD PLAN FOR

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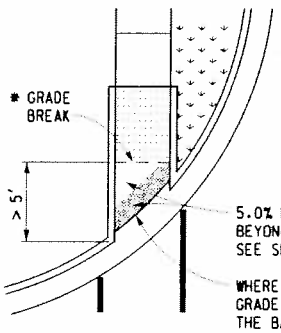
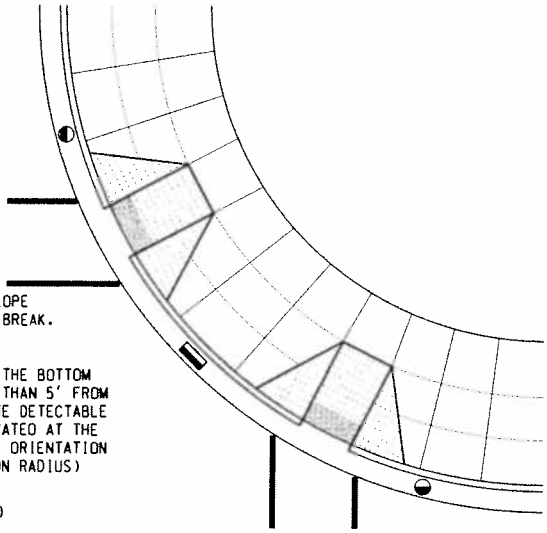


5.0% MAX. RUNNING SLOPE BEYOND BOTTOM GRADE BREAK. SEE SECTION B-B

WHERE EITHER END OF THE BOTTOM GRADE BREAK IS MORE THAN 5' FROM THE BACK OF CURB, THE DETECTABLE WARNING SHALL BE LOCATED AT THE BACK OF CURB. (DOME ORIENTATION IS NOT SIGNIFICANT ON RADIUS)

SIDEWALK RAMP LOCATED IN RADIUS (TYPE R SHOWN)
(GRADE BREAK GREATER THAN 5')

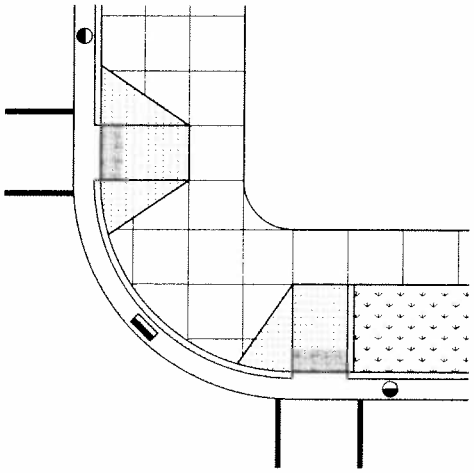


SIDEWALK RAMP PERPENDICULAR TO RADIAL CURB (TYPE F SHOWN)

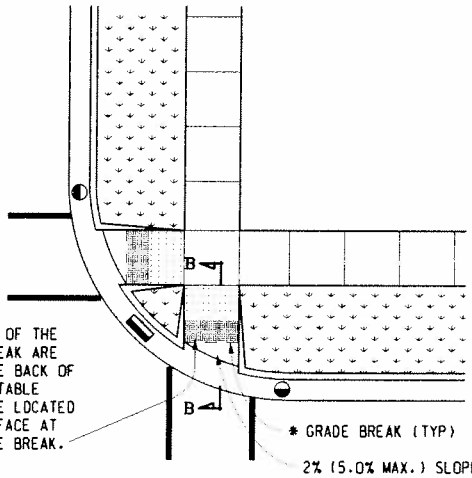
(USE WITH RADIAL CURB WHEN THE CROSSWALK AND SIDEWALK RAMP ARE NOT ALIGNED)

LEGEND

- SLOPED SURFACE
- DETECTABLE WARNING
- "NON-WALKING" AREA
- CROSSWALK MARKING
- PREFERRED LOCATION OF DRAINAGE INLET (TYP.)
- ALTERNATE LOCATION OF DRAINAGE INLET (TYP.)



SIDEWALK RAMP PERPENDICULAR TO TANGENT CURB
(TYPE F AND TYPE RF SHOWN)

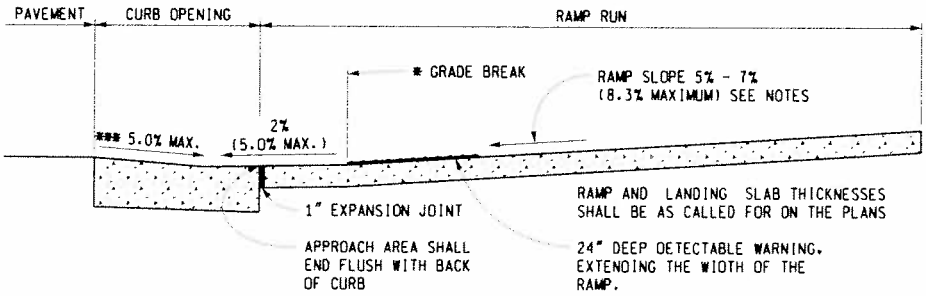


WHERE BOTH ENDS OF THE BOTTOM GRADE BREAK ARE WITHIN 5' OF THE BACK OF CURB, THE DETECTABLE WARNING SHALL BE LOCATED ON THE RAMP SURFACE AT THE BOTTOM GRADE BREAK.

* GRADE BREAK (TYP)

2% (5.0% MAX.) SLOPE BEYOND BOTTOM GRADE BREAK

SIDEWALK RAMP LOCATED IN RADIUS (TYPE R SHOWN)
(GRADE BREAK LESS THAN 5')



* GRADE BREAKS AT THE TOP AND BOTTOM OF CURB RAMPS SHALL BE PERPENDICULAR TO THE DIRECTION OF TRAVEL.

*** TRANSITION ADJACENT GUTTER PAN CROSS SECTION TO PROVIDE 5.0% MAXIMUM COUNTER SLOPE ACROSS THE RAMP OPENING.

SECTION B-B

SIDEWALK RAMP ORIENTATION

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SIDEWALK RAMP AND DETECTABLE WARNING DETAILS

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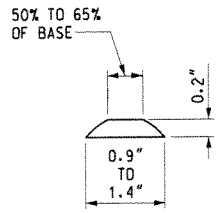
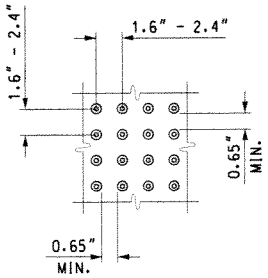
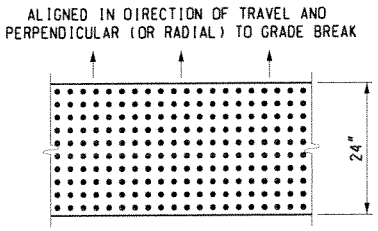


DOME SECTION



DOME SPACING



DOME ALIGNMENT

DETECTABLE WARNING DETAILS

NOTES:

DETAILS SPECIFIED ON THIS PLAN APPLY TO ALL CONSTRUCTION, RECONSTRUCTION, OR ALTERATION OF STREETS, CURBS, OR SIDEWALKS IN THE PUBLIC RIGHT OF WAY.

SIDEWALK RAMPS ARE TO BE LOCATED AS SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

RAMPS SHALL BE PROVIDED AT ALL CORNERS OF AN INTERSECTION WHERE THERE IS EXISTING OR PROPOSED SIDEWALK AND CURB. RAMPS SHALL ALSO BE PROVIDED AT MARKED AND/OR SIGNALIZED MID-BLOCK CROSSINGS.

SURFACE TEXTURE OF THE RAMP SHALL BE THAT OBTAINED BY A COARSE BROOMING, TRANSVERSE TO THE RUNNING SLOPE.

SIDEWALK SHALL BE RAMPED WHERE THE DRIVEWAY CURB IS EXTENDED ACROSS THE WALK.

CARE SHALL BE TAKEN TO ASSURE A UNIFORM GRADE ON THE RAMP. WHERE CONDITIONS PERMIT, IT IS DESIRABLE THAT THE SLOPE OF THE RAMP BE IN ONLY ONE DIRECTION, PARALLEL TO THE DIRECTION OF TRAVEL.

RAMP WIDTH SHALL BE INCREASED, IF NECESSARY, TO ACCOMMODATE SIDEWALK SNOW REMOVAL EQUIPMENT NORMALLY USED BY THE MUNICIPALITY.

WHEN 5' MINIMUM WIDTHS ARE NOT FEASIBLE, RAMP WIDTH MAY BE REDUCED TO NOT LESS THAN 4' AND LANDINGS TO NOT LESS THAN 4' x 4'.

DETECTABLE WARNING SURFACE COVERAGE IS 24" MINIMUM IN THE DIRECTION OF RAMP/PATH TRAVEL AND THE FULL WIDTH OF THE RAMP/PATH OPENING EXCLUDING CURBED OR FLARED CURB TRANSITION AREAS. A BORDER OFFSET NOT GREATER THAN 2" MEASURED ALONG THE EDGES OF THE DETECTABLE WARNING IS ALLOWABLE. FOR RADIAL CURB THE OFFSET IS MEASURED FROM THE ENDS OF THE RADIUS.

FOR NEW ROADWAY CONSTRUCTION, THE RAMP CROSS SLOPE MAY NOT EXCEED 2.0%. FOR ALTERATIONS TO EXISTING ROADWAYS, THE CROSS SLOPE MAY BE TRANSITIONED TO MEET AN EXISTING ROADWAY GRADE. THE CROSS SLOPE TRANSITION SHALL BE APPLIED UNIFORMLY OVER THE FULL LENGTH OF THE RAMP.

THE MAXIMUM RUNNING SLOPE OF 8.3% IS RELATIVE TO A FLAT (0%) REFERENCE. HOWEVER, IT SHALL NOT REQUIRE ANY RAMP OR SERIES OF RAMPS TO EXCEED 15 FEET IN LENGTH.

DRAINAGE STRUCTURES SHOULD NOT BE PLACED IN LINE WITH RAMPS. THE LOCATION OF THE RAMP SHOULD TAKE PRECEDENCE OVER THE LOCATION OF THE DRAINAGE STRUCTURE. WHERE EXISTING DRAINAGE STRUCTURES ARE LOCATED IN THE RAMP PATH OF TRAVEL, USE A MANUFACTURER'S ADA COMPLIANT GRATE. OPENINGS SHALL NOT BE GREATER THAN $\frac{1}{2}$". ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.

TRANSITION THE GUTTER PAN CROSS SECTION SUCH THAT THE COUNTER SLOPE IN THE DIRECTION OF RAMP TRAVEL IS NOT GREATER THAN 5.0%. MAINTAIN THE NORMAL GUTTER PAN CROSS SECTION ACROSS DRAINAGE STRUCTURES.

THE TOP OF THE JOINT FILLER FOR ALL RAMP TYPES SHALL BE FLUSH WITH THE ADJACENT CONCRETE.

CROSSWALK AND STOP LINE MARKINGS, IF USED, SHALL BE SO LOCATED AS TO STOP TRAFFIC SHORT OF RAMP CROSSINGS. SPECIFIC DETAILS FOR MARKING APPLICATIONS ARE GIVEN IN THE "MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES".

FLARED SIDES WITH A SLOPE OF 10% MAXIMUM, MEASURED ALONG THE ROADSIDE CURB LINE, SHALL BE PROVIDED WHERE AN UNOBSTRUCTED CIRCULATION PATH LATERALLY CROSSES THE SIDEWALK RAMP. FLARED SIDES ARE NOT REQUIRED WHERE THE RAMP IS BORDERED BY LANDSCAPING, UNPAVED SURFACE OR PERMANENT FIXED OBJECTS. WHERE THEY ARE NOT REQUIRED, FLARED SIDES CAN BE CONSIDERED IN ORDER TO AVOID SHARP CURB RETURNS AT RAMP OPENINGS.

DETECTABLE WARNING PLATES MUST BE INSTALLED USING FABRICATED OR FIELD CUT UNITS CAST AND/OR ANCHORED IN THE PAVEMENT TO RESIST SHIFTING OR HEAVING.

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF DEVELOPMENT STANDARD PLAN FOR

SIDEWALK RAMP AND DETECTABLE WARNING DETAILS

F.H.W.A. APPROVAL	3-15-2016 PLAN DATE	R-28-J	SHEET 7 OF 7

APPLICABLE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES

(COMPREHENSIVE DETAILS ARE LOCATED IN SECTION 6 OF THE SOIL EROSION & SEDIMENTATION CONTROL MANUAL)

A = SLOPES

B = STREAMS AND WATERWAYS

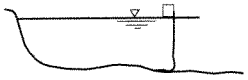
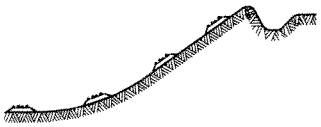
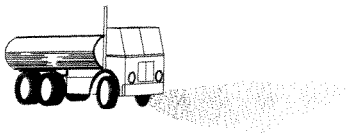
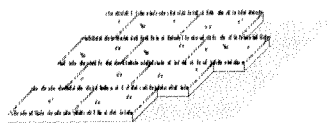
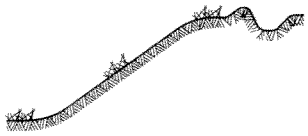
C = SURFACE DRAINAGEWAYS

D = ENCLOSED DRAINAGE (INLET & OUTFALL CONTROL)

E = LARGE FLAT SURFACE AREAS

F = BORROW AND STOCKPILE AREAS

G = DNRE PERMIT MAY BE REQUIRED

KEY	DETAIL	CHARACTERISTICS	A	B	C	D	E	F	G
1	 TURBIDITY CURTAIN	A Turbidity Curtain is used when slack water area is necessary to isolate construction activities from the watercourse. The still water area contains the sediments within the construction limits.		•					
2	 GRUBBING OMITTED	Retains existing root mat which assists in stabilizing slopes. Assists in the revegetation process by providing sprout growth. Reduces sheet flow velocities preventing rilling and gullying. Discourages off-road vehicle use.	•				•		
3	PERMANENT/TEMPORARY SEEDING	Inexpensive but effective erosion control measure to stabilize flat areas and mild slopes. Permits runoff to infiltrate soil, reducing runoff volumes. Proper preparation of the seed bed, fertilizing, mulching and watering is critical to its success.	•		•		•	•	
4	 DUST CONTROL	Dust control can be accomplished by watering, and/or applying calcium chloride. The disturbed areas should be kept to a minimum. PERMANENT/TEMPORARY SEEDING (KEY 3) should be applied as soon as possible.	•				•	•	
5	 SODDING	Provides immediate vegetative cover such as at spillways and ditch bottoms. Proper preparation of the topsoil, placement of the sod, and watering is critical to its success.	•				•	•	
6	 VEGETATED BUFFER STRIPS	Reduces sheet flow velocities preventing rilling and gullying. Assists in the collection of sediments by filtering runoff. Assists in the establishment of a permanent vegetative cover.	•				•		

MDOT Michigan Department of Transportation

PREPARED BY DESIGN DIVISION

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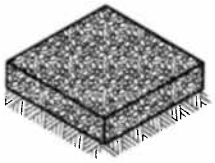
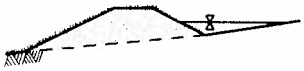
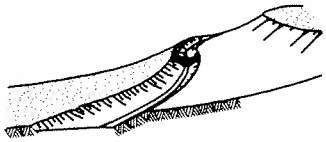
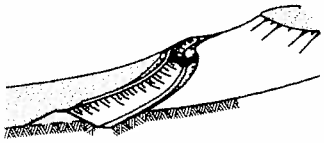
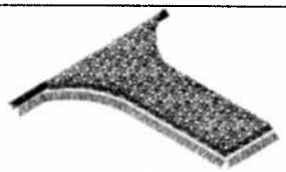
MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

SOIL EROSION & SEDIMENTATION CONTROL MEASURES

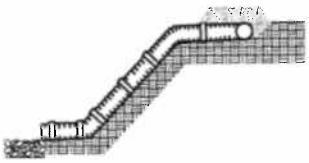
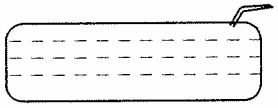
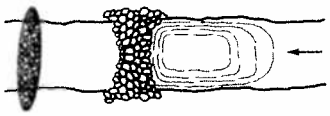
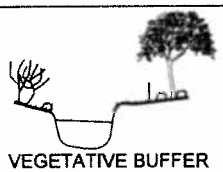
9-10-2010	6-3-2010	R-96-E	SHEET 1 OF 6
F.H.W.A. APPROVAL	PLAN DATE		

KEY	DETAIL	CHARACTERISTICS	A	B	C	D	E	F	G
7	RIPRAP	Used where vegetation cannot be established. Very effective in protecting against high velocity flows. Should be placed over a geotextile liner.	•	•	•	•			•
8	 AGGREGATE COVER	Can be used in any area where a stable condition is needed for construction operations, equipment storage or in heavy traffic areas. Reduces potential soil erosion and fugitive dust by stabilizing raw areas.	•				•	•	
9	BENCHES	Reduces sheet flow velocities preventing rilling and gullying. Assists in the collection and filtering of sediments. Provides access for stabilizing slopes.	•					•	
10	 DIVERSION DIKE	Assists in the diversion of runoff to a stable outlet or sediment control device. Reduces sheet flow velocities preventing rilling and gullying. Collects and diverts runoff to properly stabilized drainage ways. Works well with INTERCEPTING DITCH (KEY 11)	•				•	•	
11	 INTERCEPTING DITCH	Assists in the diversion of runoff to a stable outlet or sediment control device. Reduces sheet flow velocities preventing rilling and gullying. Works well with DIVERSION DIKE (KEY 10)	•				•	•	
12	 INTERCEPTING DITCH AND DIVERSION DIKE	Assists in the diversion of runoff to a stable outlet or sediment control device. Reduces sheet flow velocities preventing rilling and gullying.	•				•	•	
13	GRAVEL FILTER BERM	Useful in filtering flow prior to its reentry into a lake, stream or wetland. Works well with SEDIMENT TRAP (KEY 20) and TEMPORARY BYPASS CHANNEL (KEY 35). Not to be used in lieu of a CHECK DAM (KEY 37) in a ditch.	•		•			•	
14	 GRAVEL ACCESS APPROACH	Provides a stable access to roadways minimizing fugitive dust and tracking of materials onto public streets and highways.					•	•	

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

SOIL EROSION & SEDIMENTATION CONTROL MEASURES

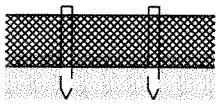
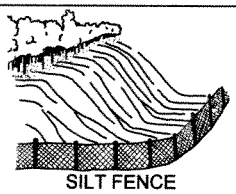
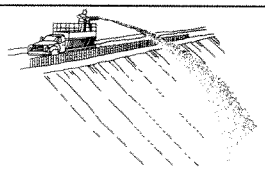
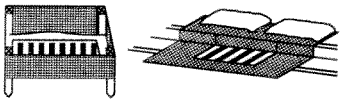
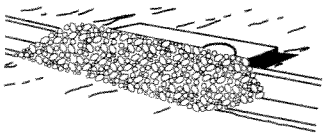
9-10-2010 F.H.W.A. APPROVAL	6-3-2010 PLAN DATE	R-96-E	SHEET 2 OF 6

KEY	DETAIL	CHARACTERISTICS	A	B	C	D	E	F	G
15	 SLOPE DRAIN SURFACE	Excellent device for carrying water down slopes without creating an erosive condition. Generally used in conjunction with DIVERSION DIKE (KEY 10), INTERCEPTING DITCH (KEY 11) and INTERCEPTING DITCH AND DIVERSION DIKE (KEY 12) to direct flow to a stable discharge area or SEDIMENT TRAP (KEY 20).	●		●				
16	TREES, SHRUBS AND PERENNIALS	Trees, shrubs and perennials can provide low maintenance long term erosion protection. These plants may be particularly useful where site aesthetics are important along the roadside slopes.	●				●		
17	PIPE DROP	Effective way to allow water to drop in elevation very rapidly without causing an erosive condition. Also works as a sediment collector device. May be left in place as a permanent erosion control device.	●		●				
18	 DEWATERING WITH FILTER BAG	It may be necessary to dewater from behind a cofferdam or construction dam to create a dry work site. Discharged water must be pumped to a filter bag. A GRAVEL FILTER BERM (KEY 13) may be placed downslope of the filter bag to provide additional filtration prior to entering any stream or wetland.		●					●
19	ENERGY DISSIPATORS	A device to prevent the erosive force of water from eroding soils. Used at outlets of culverts, drainage pipes or other conduits to reduce the velocity of the water. Prevents structure scouring and undermining.	●	●	●	●			
20	SEDIMENT TRAP	Used to intercept concentrated flows and prevent sediments from being transported off site or into a watercourse or wetland. The size of a Sediment Trap is 5 cubic yards or less. Works well when used with CHECK DAM (KEY 37).	●		●	●			
21	 SEDIMENT BASIN	A Sediment Basin is used to trap sediments from an upstream construction site. Requires periodic inspections, repairs, and maintenance. Where practical, sediments should be contained on site. A Sediment Basin should be the last choice of sediment control. The size of a Sediment Basin is greater than 5 cubic yards.		●					●
22	 VEGETATIVE BUFFER AT WATERCOURSE	This practice is used to maintain a vegetative buffer adjacent to a watercourse. When utilized with SILT FENCE (KEY 26) it will, under normal circumstances, prevent sediment from leaving the construction site.	●	●	●		●	●	

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

SOIL EROSION & SEDIMENTATION CONTROL MEASURES

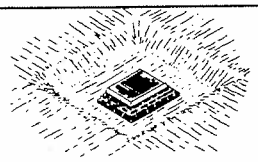
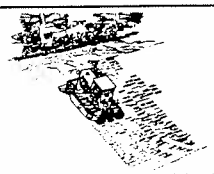
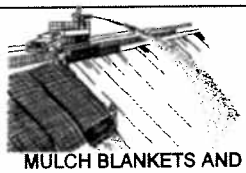
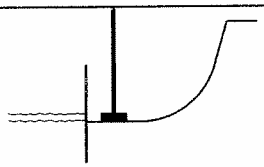
9-10-2010 F.H.W.A. APPROVAL	6-3-2010 PLAN DATE	R-96-E	SHEET 3 OF 6

KEY	DETAIL	CHARACTERISTICS	A	B	C	D	E	F	G
23	STREAM RELOCATION	A detail depicting the proper procedures for stream relocation. Maintains same width, depth, and flow velocity as the natural stream. Revegetate banks with PERMANENT/TEMPORARY SEEDING (KEY 3), MULCHING AND MULCH ANCHORING (KEY 28), MULCH BLANKETS AND HIGH VELOCITY MULCH BLANKETS (KEY 33) and woody plants to shade the stream.		•					•
24	SAND AND STONE BAGS	Sand and stone bags are a useful tool in the prevention of erosion. Can be used to divert water around a construction site by creating a DIVERSION DIKE (KEY 10). Works well for creating a CONSTRUCTION DAM (KEY 36) and temporary culvert end fill.	•	•	•	•	•	•	•
25	 SAND FENCE AND DUNE STABILIZATION	A Sand Fence traps blowing sand by reducing wind velocities. Can be used to prevent sand from blowing onto roads. Must be maintained until sand source is stabilized.	•				•	•	
26	 SILT FENCE	A permeable barrier erected below disturbed areas to capture sediments from sheet flow. Can be used to divert small volumes of water to stable outlets. Ineffective as a filter and should never be placed across streams or ditches where flow is concentrated.	•				•	•	
27	PLASTIC SHEETS OR GEOTEXTILE COVER	Plastic Sheets can be used to create a liner in temporary channels. Can also be used to create a temporary cover to prevent erosion of stockpiled materials.	•	•	•			•	
28	 MULCHING AND MULCH ANCHORING	Anchored mulch provides erosion protection against rain and wind. Mulch must be used on seeded areas to promote water retention and growth. Should be inspected after every rainstorm and repaired as necessary until vegetation is well established.	•		•		•	•	
29	 INLET PROTECTION FABRIC DROP	Provides settling and filtering of silt laden water prior to its entry into the drainage system. Can be used in median and side ditches where vegetation will be disturbed. Allows for early use of drainage systems prior to project completion.			•		•		
30	 INLET PROTECTION GEOTEXTILE AND STONE	Provides settling and filtering of silt laden water prior to its entry into the drainage system. Should be used in paved areas where drainage structures are existing or proposed. Allows for early use of drainage systems prior to project completion.			•		•		

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

SOIL EROSION & SEDIMENTATION CONTROL MEASURES

9-10-2010 F.H.W.A. APPROVAL	6-3-2010 PLAN DATE	R-96-E	SHEET 4 OF 6

KEY	DETAIL	CHARACTERISTICS	A	B	C	D	E	F	G
31	 INLET PROTECTION SEDIMENT TRAP	An Inlet Protection Sediment Trap is a temporary device that can be used in areas where medium flows are anticipated. Effective in trapping small quantities of sediments prior to water entering the drainage system. Can be used in areas such as median and side ditches.			•		•		
32	 SLOPE ROUGHENING AND SCARIFICATION	A simple and economical way to reduce soil erosion by wind and water. Can be accomplished by harrowing with a disk, back blading, or tracking with a dozer perpendicular to the slope.	•				•	•	
33	 MULCH BLANKETS AND HIGH VELOCITY MULCH BLANKETS	Mulch blankets provide an immediate and effective cover over raw erodible slopes affording excellent protection against rain and wind erosion. High velocity mulch blankets work well for stabilizing the bottom of ditches in waterways.	•		•		•	•	
34	 COFFERDAM	Used to create a dry construction area and protect the stream from raw erodible areas. Must be pumped dry or dewatered according to DEWATERING WITH FILTER BAG (KEY 18).		•					•
35	TEMPORARY BYPASS CHANNEL	Utilized when a dry construction area is needed. Isolates stream flows from raw erodible areas minimizing erosion and subsequent siltation. Can incorporate SEDIMENT BASIN (KEY 21), CHECK DAM (KEY 37), and GRAVEL FILTER BERM (KEY 13) to remove sediments from water. Construction sequence of events may be necessary.		•					•
36	CONSTRUCTION DAM	Used to create a dry or slack water area for construction. Isolates the stream from raw erodible areas. Can be created out of any non-erodible materials such as SAND AND STONE BAGS (KEY 24), a gravel dike with clay core or plastic liner, steel plates or plywood.		•					•
37	CHECK DAM	Can be constructed across ditches or any area of concentrated flow. Protects vegetation in early stages of growth. A Check Dam is intended to reduce water velocities and capture sediment. A Check Dam is not a filtering device.	•		•			•	

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

SOIL EROSION & SEDIMENTATION CONTROL MEASURES

9-10-2010 F.H.W.A. APPROVAL	6-3-2010 PLAN DATE	R-96-E	SHEET 5 OF 6

NOTES:

THIS STANDARD PLAN WILL SERVE AS A KEY IN THE SELECTION OF THE APPROPRIATE SOIL EROSION AND SEDIMENTATION CONTROL DETAILS. THIS PLAN ALSO PROVIDES THE KEY TO THE NUMBERED EROSION CONTROL ITEMS SPECIFIED ON THE CONSTRUCTION PLANS. REFER TO THE MDOT SOIL EROSION & SEDIMENTATION CONTROL MANUAL, SECTION 6 FOR SPECIFIC DETAILS, CONTRACT ITEMS (PAY ITEMS), AND PAY UNITS.

COLLECTED SILT AND SEDIMENT SHALL BE REMOVED PERIODICALLY TO MAINTAIN THE EFFECTIVENESS OF THE SEDIMENT TRAP, SEDIMENT BASIN, AND SILT FENCE. AGGREGATES PLACED IN STREAMS SHOULD CONTAIN A MINIMUM OF FINES.

TEMPORARY EROSION AND SEDIMENTATION CONTROL PROVISIONS SHALL BE COORDINATED WITH THE PERMANENT CONTROL MEASURES TO ASSURE EFFECTIVE CONTROL OF SEDIMENTS DURING CONSTRUCTION OF THE PROJECT.

ALL TEMPORARY EROSION CONTROL DEVICES SHALL BE REMOVED AFTER VEGETATION ESTABLISHMENT OR AT THE DISCRETION OF THE ENGINEER. CARE SHALL BE TAKEN DURING REMOVAL TO MINIMIZE SILTATION IN NEARBY DRAINAGE COURSES.

MICHIGAN DEPARTMENT OF TRANSPORTATION

BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

SOIL EROSION & SEDIMENTATION CONTROL MEASURES

9-10-2010 F.H.W.A. APPROVAL	6-3-2010 PLAN DATE	R-96-E	SHEET 6 OF 6

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
RECTANGULAR RAPID FLASHING BEACON ASSEMBLY

a. Description. This work consists of completing one or more of the following work types at the locations shown on the plans:

1. Furnishing and installing a solar-powered, Rectangular, Rapid Flashing Beacon (RRFB) (one way or two way as indicated on plans).

2. Furnishing and installing a permanently powered, RRFB (one way or two way as indicated on plans).

As applicable, this work includes installation of the RRFB with housing, solar panel(s), radio, antenna, battery(s), control box, mounting hardware, and all associated material required to complete the work.

b. Materials. Provide materials in accordance with sections 918 and 921 of the Standard Specifications for Construction and the following requirements of this special provision:

1. Beacon. Provide an RRFB meeting the following requirements:

A. A one-way RRFB consisting of two rectangular shaped amber indications, each with a high-intensity, light emitting diode (LED)-array pulsing class 1 light source in accordance with *Society of Automotive Engineers (SAE) standard J595.*

B. Each amber indication must have minimum dimensions of 3 inches high by 7 inches wide, with the 7 inch dimension oriented horizontally and the 3 inch dimension oriented vertically.

C. Ensure a minimum of 7 inches measured horizontally between the inside edges of the amber indications.

D. Ensure a maximum of 36 inches measured horizontally between the outside edges of the amber indications.

E. Place the RRFB indications in a powder-coated (black or Federal yellow) aluminum housing.

F. A two-way RRFB consisting of four rectangular shaped amber indications (two facing in one direction, and two facing the opposite direction), each with a high-intensity amber LED-array pulsing class 1 light source in accordance with *SAE standard J595*, in addition to subsections b.1.B thru b.1.E above.

G. Use an RRFB that has an additional LED indication facing in the direction of pedestrian travel to provide notice to the pedestrian when the RRFB is operating.

2. Beacon Flashing Requirements. Provide a beacon meeting the following flashing requirements:

A. When activated, flash the two amber indications (facing the same direction in each RRFB) in a rapidly alternating "wig-wag" flashing sequence (indication #1 on, then indication #2 on).

B. For the two amber indications facing the same direction, provide 70 to 80 periods per minute. Each period consists of two rapid pulses of light emitted by amber indicator #1 (while amber indication #2 is dark), followed by three rapid pulses of light emitted from amber indication #2 (while amber indication #1 is dark). This is a specific exception to the 2011 *MUTCD* Section 4L.01 requirements for the flash rate of flashing beacons.

C. To avoid frequencies that might cause seizures, do not use flash rates between 5 and 30 hertz (flashes per second) for each amber indication.

3. Beacon operation. Provide beacon operation meeting the following requirements:

A. The RRFB is dark until pedestrian actuation.

B. Initiate operation upon pedestrian actuation and cease operation at a predetermined time after actuation. Set this predetermined duration of operation as indicated on the plans or as determined by the Engineer.

C. Simultaneously begin (upon actuation) and end (after the predetermined duration) the operation of all RRFB's associated with a given crosswalk.

D. Ability to synchronize all RRFBs associated with a given crosswalk using one of the following methods as indicated on the plans:

(1) 900 MHz radios that turn on within 120 millisecond and remain synchronized throughout the duration of the flashing cycle; or

(2) Hardwire interconnect.

E. Capability of automatically dim during nighttime operation.

4. Solar/Battery System. When providing solar power, meet the following requirements:

A. UL approved solar panel (55 watts output minimum), solar engine, and battery system. Solar panel and battery system sized for use north of the 40th parallel, including the state of Michigan.

B. A *NEMA 4* rated fiberglass housing for the solar panel.

C. The solar panel conforms to the design qualification and type approval of photovoltaic modules in accordance with International Electrotechnical Commission *(IEC) 61215.* This specification includes radiation testing, thermal testing, and

mechanical testing for such environmental conditions as UV-exposure and thermal cycling, as well as degradation of maximum power output.

D. Solar panel connectors conform to Ingress Protection (IP)-67 rating, dust proof and protected from temporary immersion in water up to 3 feet deep for 30 minutes.

E. Operate on 12 volts direct current (VDC).

F. Fasteners are *AISI 300* series stainless steel and vandal resistant.

G. Seal all Nickel Metal Hydride (NiMH) type batteries in a plastic film to provide moisture and corrosion resistance.

H. Battery system that operates the RRFBs for a minimum of 2 hours a day for 10 days without recharging the battery(s).

I. Batteries that operate between the temperatures of -4 degrees F to +140 degrees F with a minimum 3-year life span.

J. Battery connectors conform to IP-67 rating, and are dust proof and protected from temporary immersion in water up to 3 feet deep for 30 minutes.

5. Control Box. Provide a control box meeting the following requirements:

A. *NEMA 4X* enclosure IP-67-rated with locking clasps that include an 8-position terminal block and the control circuit.

B. If solar powered, the control box also houses the battery system.

6. Control Circuit. Provide a control circuit meeting the following requirements:

A. Independently flashes up to 2 separate LED light outputs.

B. Programmable light outputs and flash patterns.

C. Flash output of 70 to 80 periods of flashing per minute with a 100 millisecond duration on time.

D. Circuit connectors conform to IP-67 rating, dust proof and protected from temporary immersion in water up to 3 feet deep for 30 minutes.

7. Radios. When RRFBs are not interconnected with hard wire, provide radios meeting the following requirements:

A. Communications integrated with the RRFB control circuit to activate the system from a pushbutton input.

B. Radios synchronize all of the RRFBs at a crosswalk.

C. Radios capable of initiating operation of RRFBs within 120 millisecond and maintaining synchronized operation throughout the duration of the flashing cycle.

D. Operates on a 900 MHz frequency hopping spread spectrum network from 3.6 to 15 VDC.

8. Permanent Power System. When providing permanent power, meet the following requirements:

A. Operate on 120 volts alternating current (VAC), 60 hertz (Hz) single phase electrical system.

9. Warranty. Provide a manufacturer's warranty, transferable to MDOT, that the supplied materials are free from all defects in material and workmanship. Furnish the warranty, other applicable documents from the manufacturer, and a copy of the invoice showing date of shipment to the Engineer prior to acceptance.

c. Construction. Complete this work in accordance with sections 819, 820, and 919 of the Standard Specifications for Construction, per the plans, and this special provision.

A. Set the predetermined duration of operation of the RRFBs as indicated on the plans or as determined by the Engineer.

B. Mount the RRFB to the support as indicated on the plans using *AISI 300* series stainless steel U-bolts and associated hardware.

C. Terminate wiring connections in the RRFB and in the control box.

D. Provide and install solar panels in a *NEMA 4* rated fiberglass housing.

E. Mount the solar panel (using an aluminum plate and bracket and any other hardware required) at a 45 to 60 degree angle (from horizontal) and facing south.

F. Mechanically secure the battery(s) into the housing. Enclose the battery with the battery bracket in a manner to restrict the thermal expansion of the battery.

G. Obtain shop drawing approval from the Engineer prior to installation of units.

DIGITAL RECORDED VIDEO SURVEY

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GENERAL

1. SCOPE

Prior to commencing work, the CONTRACTOR shall have a continuous color audio-video digital recording taken along the designated length of the project to serve as a record of existing conditions. All DVD and written records shall become the property of the OWNER.

2. FIRM BACKGROUND

The CONTRACTOR shall engage the services of a professional digital recording firm that is actively engaged in color audio-video recordings for various municipalities. The firm shall have a minimum of two years experience in audio-video digital recording of construction projects.

The OWNER may make such investigation as he deems necessary to determine the ability of the digital recording firm to perform the work. The CONTRACTOR shall furnish the OWNER all such information and data for this purpose as the OWNER may request. The OWNER reserves the right to reject any digital recording firm if the investigation fails to satisfy the OWNER that such firm is properly qualified to carry out the work specified herein. Upon rejection of a digital recording firm, the CONTRACTOR shall engage the services of another firm that shall undergo the review and approval process as previously discussed.

3. SCHEDULE

All digital recording shall be done during times of good visibility. No recording shall be done during periods of visible precipitation or when more than ten (10) percent of the ground is covered with snow or standing water unless otherwise authorized by the ENGINEER.

Digital recording shall be done prior to placement of materials or equipment in the construction area. DVDs shall be furnished to the OWNER at least one week prior to the preconstruction meeting.

No construction shall begin prior to review and approval of the digital video by the OWNER.

The OWNER shall have authority to reject all or any portion of the digital recording that does not conform to the specifications. Any coverage that is not acceptable to the OWNER shall be rerecorded at no additional charge. The CONTRACTOR shall reschedule unacceptable coverage within five (5) days after being notified.

MATERIALS

4. EQUIPMENT

All equipment, accessories, and materials necessary to perform this service shall be furnished by the CONTRACTOR and the digital recording firm, except for the plans of the proposed area to be digitally recorded which are to be furnished by the OWNER. The CONTRACTOR shall be responsible

for providing any temporary warning signs or barricades if required during the digital recording operations. Digital recordings shall be on high-quality DVDs for lossless picture quality, suitable for playback on standard home DVD player as well as a DVD ROM drive.

In some instances, digitally recorded coverage may not be suitable for recording necessary details. In such instances, the ENGINEER may specify digital still photographs to provide coverage. Digital photography must be used and the firm shall provide a CD of all images. A suitable labeling system and description of the location of the photograph shall accompany the photographs in PDF form on the CD with the digital photographs.

5. DIGITAL RECORDING

Each DVD shall begin with the current date, project name, and municipality as well as the general location or station, name of the street, viewing side, and direction of progress. Houses and buildings shall be identified by address.

When conventional wheeled vehicles are used, the distance from camera lens to the ground shall not be less than ten (10) feet to insure proper perspective.

In some instances, digitally recorded coverage will be required in areas that are not accessible by conventional wheeled vehicles. Such coverage shall be obtained by walking or special conveyance approved by the ENGINEER.

The engineering stationing numbers shall be continuous and accurate and shall correspond to the project stationing within the field of view. Standard engineering symbols (for example, 14 + 84) shall appear in the upper left of the viewing screen.

Beneath the engineering stationing, periodic transparent alphanumeric information consisting of the project name, location, direction of travel, viewing side, etc., shall appear.

Global Positioning System Satellites may be used in place of or in addition to engineering stationing numbers where available. The global positioning system shall provide updates at one (1) per second and have an accuracy of five (5) meters or less spherical accuracy. The GPS coordinate display will be at one (1) meter longitude and l meter latitude. (example: 3000N423 9456W294)

To preclude the possibility of tampering or editing in any manner, all digital recordings shall, by electronic means, display continuously and simultaneously generated transparent digital information to include the date and time of recording, as well as corresponding GPS coordinates and/or engineering stationing numbers. The date information will contain the month, day and year (for example, 10/5/06) and be placed directly below the time information. The time information shall consist of hours, minutes and seconds separated by colons (for example 10:35:18). This transparent information shall appear on the extreme upper left-hand of the screen.

6. DIGITAL VIDEO TRACKS

Digital recordings shall consist of one (1) video and two (2) audio tracks, all of which must be recorded simultaneously. All tracks shall consist of original live recordings and thus shall not be copies of other audio or digital video recordings. Audio track one (1) shall contain the narrative commentary of the camera technician and shall be recorded simultaneously with his fixed elevation video record of the area of construction. Audio track two (2) shall contain the narrative commentary and evaluations of the ground level remote technician whose function shall be to provide a complete circumspection of any features that are not adequately visible to the camera technician. In order to maintain viewer orientation, transition from a fixed camera overview to a remote camera picture shall be

accomplished by means of an electronic dissolve.

7. LIGHTING REQUIREMENTS

In order to produce proper detail and perspective, adequate lighting will be required to fill in the shadow areas caused by trees, utility poles, road signs and other such objects.

For interior and exterior surfaces of existing buildings, video lighting must be a minimum of twenty-five thousand (25,000) watts of shadowless light to enable all objects to be distinctive and clearly video taped with correct detail in order to obtain proper perspective. The CONTRACTOR shall provide all power required for lighting.

8. DIGITAL VIDEO COVERAGE

a. Construction Zone

Digital video coverage shall include all surface features located within the zone of influence of construction and shall be supported by appropriate audio description. Such coverage shall include, but not be limited to, public right-of-way, easement areas, adjacent private property, all existing driveways, sidewalks, curbs, ditches, roadways, landscaping, trees, shrubs, fences, culverts, headwalls, retaining walls, and buildings located within such zone of influence. Of particular concern shall be the existence of any faults, fractures, or defects.

Houses and buildings shall be identified visually by house number when visible. Manholes or other utility structures shall also be identified.

The rate of travel used during digital recording shall not exceed forty-eight (48) feet per minute. Panning rates and zoom-in/zoom-out rates shall be controlled sufficiently such that stop action during playback will produce clarity of the object viewed.

The ENGINEER shall have the authority to designate areas for which coverage may be added or omitted.

b. Interior and Exterior Surfaces

Building exterior coverage shall include, but not be limited to, all the masonry features of the building such as walls, foundations, chimneys or porches. Building interiors shall include, but not be limited to, all outside basement walls and flooring.

All property being digitally recorded for interior record must have a permanent exterior front view recorded on video displayed in upper right-hand corner of the viewing screen for positive identification of property. This view will be no larger than twenty percent (20%) of the picture area and must begin by showing the address. The camera technician shall pan and zoom in and out as necessary to control the clarity of objects being viewed.

All digital recording shall be done during regular business hours unless otherwise authorized by the OWNER or agreed to by an affected property owner.

9. DIGITAL RECORDING FIRM RESPONSIBILITIES

The digital recording firm may televise and record areas within public rights-of-way, along municipal-owned easements, through municipal-owned parks, and municipal buildings. When digital recording is to be done on private property, the digital recording firm shall give the OWNER sufficient prior notice so that the property owners may be contacted and their permission obtained for the work.

Three (3) attempts must be logged by the camera technician to complete the video project at each location, and a log sheet describing the day, time, and disposition of the contact must be kept.

At no time will the digital recording firm be allowed to use any electrical circuits located inside or outside buildings on private property. The digital recording firm must enter and leave property in a professional and orderly manner.

10. VIDEO INDENTIFICATION AND SUBMITTAL

All DVD (discs and cases) shall be properly identified by DVD number, location, project name, and municipality in a manner that is acceptable to the OWNER.

A record of the contents of each DVD shall be supplied by a log sheet that identifies each segment in the digital recording by location, roll number, street or road viewing, DVD counter number, viewing side, starting point, traveling direction, and ending point.

A minimum of three complete sets of DVDs shall be provided upon final approval and acceptance of the videos by the OWNER and ENGINEER (one set each for the OWNER, ENGINEER, and CONTRACTOR). Additional sets shall be furnished if requested by the OWNER.

End of Section

EARTHWORK

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GENERAL

1. SCOPE OF WORK

This work shall be subject to the General Conditions and the General Specifications. The work shall include furnishing of labor, materials, tools, equipment, accessories and services necessary for completing the excavation and backfilling for the items as shown on the contract drawings and/or as herein required. This also includes trenching, trench or subgrade undercutting, roadway earthwork, complete and continual drainage of excavation, sheeting, bracing and shoring of sides of the excavation, backfilling around structures and over pipelines, and the disposal of excess excavated material.

2. MDOT

References to Michigan Department of Transportation (MDOT) Specifications shall pertain to the 2012 Standard Specifications for Construction.

MATERIALS

3. BEDDING

A. Sand shall be a sharp, clean sand free of lumps of clay or debris with 100 percent passing a 3/8-inch sieve and less than 10 percent loss by wash.

B. Granular material shall meet the requirements of Section 902.07 of the MDOT Standard Specifications for Construction for Granular Material Class II and Class III.

C. Pea gravel shall be unwashed and shall be from ¼-inch to 5/8-inch in size.

D. Bedding material shall be provided from offsite unless the trench passes through a well-defined strata of sand or gravel. Bedding material shall be subject to the approval of the ENGINEER.

E. Stone material shall meet the requirements of Section 902.03 of the MDOT Standard Specifications for

Construction for 6A crushed Coarse Aggregate or approved equal.

4. BACKFILL

A. Job Excavated Backfill

Job excavated backfill shall be defined as material excavated from the site that is free from frozen earth, boulders, rocks, stones larger than 3-inch in size, debris, blue and gray clay, and organic material.

B. Granular Backfill

Granular backfill shall be defined as sharp sand, gravel, or crushed stone that is free from lumps of clay and soft or flaky material and shall conform to the latest MDOT Specification for Granular Material Class II or III. Granular backfill shall be used for fill work located under or within the influence of roadway surfaces. The Owner's standard details shall dictate which type of granular material (class II or III) is required for the project.

Material excavated from the trench may be used as granular backfill when, in the opinion of the ENGINEER, it meets the granular backfill grading requirements.

5. STONE REFILL

Stone refill shall consist of natural gravel, slag, or crushed gravel that is equivalent in gradation to MDOT 6A unless otherwise called for in the plan details.

6. EMBANKMENT

Embankment material shall consist of sound earth as described in Section 205.03H of the MDOT Standard Specifications for Construction.

CONSTRUCTION

7. CLEARING

Prior to the start of construction, the CONTRACTOR shall verify the limits of trees and other items that are to be saved. The CONTRACTOR shall then clear the site or trench excavation area of all remaining trees, brush, and other miscellaneous items that are not to be saved.

8. TREE REMOVAL

Where called for on the plans, the CONTRACTOR shall remove trees, including stump and main roots, and dispose of all associated foliage and debris offsite. Trees less than six (6) inch diameter shall be removed where required by the Work as incidental to the Contract. The CONTRACTOR shall abide by any easement agreements regarding the tree removal work and wood ownership.

9. STUMP REMOVAL

Where called for on the plans, the CONTRACTOR shall remove existing stumps, including main roots (two (2) inch diameter and larger), dispose of all associated debris offsite, and backfill the void with suitable material.

10. PAVEMENT CUTS

Where a trench must be cut through pavement, driveway, or sidewalk, particular care shall be taken to avoid unnecessary damage to adjoining areas of the pavement, driveway or sidewalk. All cuts through existing surfaces shall be made full-depth with a concrete saw. Cuts in concrete pavement shall be made parallel with longitudinal and transverse construction or contraction joints.

Saw cuts in concrete pavement shall not be nearer than five feet (5'-0") to a transverse joint, to the centerline of pavement, or to the edge of pavement or curb, i.e., no existing or replacement pavement shall be less than five feet (5'-0") in width. If the damaged pavement or surfacing is nearer than five feet (5'-0") to a joint or centerline of

pavement, or to edge of pavement, surfacing or curb, removal and replacement shall be extended to said joint, centerline, edge of pavement, surfacing, or curb. These same requirements shall apply to the saw cutting and replacement of concrete driveways.

If a square or block of sidewalk is cut, broken, or cracked, the entire square or block shall be removed and replaced.

11. CLASSIFICATION OF EXCAVATION

Earth, as a name for excavated material, shall include all glacial deposits whether cemented or not, except solid boulders one-half cubic yard or more in volume. It shall also include all alluvial deposits and material of every kind that can be excavated with equal facility by the equipment and means typically used for earth excavation.

Peat, as a name for excavated material, shall include all unstable organic soils such as peat, muck, marl, and underlying very soft clay.

Rock, as a name for excavated material, shall include pre-glacial solid ledge rock that can be removed most practically by blasting, barring or wedging, or by some other standard method of quarrying solid rock. It shall also include solid boulders of one-half cubic yard or more in volume as well as existing concrete, masonry with mortar joints, or other existing structural work that can be excavated practically only by methods of quarrying solid rock. It shall not include fragile, friable, or disintegrated materials of any kind that can be excavated by equipment and means used for earth excavation.

12. ROADWAY EARTHWORK

Roadway earthwork shall be performed in accordance with the construction methods that are described in Section 205 of the MDOT Standard Specifications for Construction unless otherwise called for in the plan notes, details, or supplemental specifications.

13. METHODS OF EXCAVATION IN EARTH

All excavation shall be by open cut from the surface, except in special cases where boring/jacking under pavement or structures may be required, or where boring/jacking under the root system will be required for tree root protection. All excavation shall be made in such a manner and to such depth, length, and width as will give ample room for building the structures, bracing, sheeting and supporting the sides of the excavation, pumping and drainage of ground water and sewage which may be encountered, and removal of all materials excavated. Special care shall be taken so that the soil below the bottom of structures to be built shall be left undisturbed so that a firm bed will be provided for construction. Any voids shall be backfilled with suitable granular material and shall be properly compacted.

14. TRENCH EXCAVATION

A. General

Excavation shall be of sufficient width and depth to provide adequate room for construction and installation of the work to the lines, grades and dimensions called for on the plans. Unless otherwise called for on the OWNER's standard details, the width of a trench from the invert to a height twelve (12) inches above the top of the pipe barrel shall be indicated as follows:

Pipe Size	Maximum Trench Width
4" through 12"	30"
Larger than 12"	O.D. + 24"

If the maximum trench width as specified above is exceeded, unless otherwise shown on the drawings, the CONTRACTOR shall install, at his own expense, such concrete

cradling or other bedding as is approved by the ENGINEER, to support the added load of the backfill.

Where trench excavation is in granular material, the last six (6) inches of trench depth shall be carefully excavated and trimmed by hand to the exact elevation and contour of pipe. Where trench excavation is in rock or clay soil, the trench bottom shall be undercut a minimum of four (4) inches below the final elevation of pipe. The bedding material as hereinafter specified shall be placed and compacted to the underside of the pipe.

Excavation for structures shall be made to the outside lines and surfaces of such structures wherever it is practicable to build directly against the sides and bottoms of excavations. In such cases, care shall be taken not to disturb the original foundation or backing. Final trimming shall be done by hand just before construction of the structure. If excess excavation is made, or the material becomes disturbed so as to require removal beyond the prescribed limits, the resulting space shall be refilled with bedding, as specified hereinafter, and solidly machine tamped into place to 95 percent of maximum unit weight before the construction work proceeds.

Excavation for structures shall be extended sufficiently beyond the limits of the structure to provide ample room for form construction and other construction methods to be followed, wherever necessary.

B. Bedding

Where the subgrade below the bottom of the pipe is disturbed during the construction, the space shall be refilled with sand or pea gravel bedding material solidly tamped to form a firm foundation for the pipe. Sand or pea gravel bedding material shall be extended to one (1) foot above the pipe, except that the bedding shall be exclusively pea gravel to the springline for pipe 36-inch and greater in diameter.

C. Amount of Trench Opening

Not more than 50 feet of trench shall be open at one time in advance of the pipe unless permitted by the ENGINEER. The length of street that may be occupied by the construction work at any one time shall be subject to the direction of the ENGINEER and will be based on requirements of the use of the street by the public. No more than 600 consecutive feet of street length shall be occupied at one time, and vehicle traffic through the street shall not be entirely stopped without permission of the ENGINEER.

After placement of the utility line, the Contractor shall backfill the trench promptly in order to minimize the length of open trench and avoid any unsafe conditions.

15. TRANSPORT OF NATIVE MATERIALS OFFSITE

If the Contractor encounters good materials (sand, gravel, topsoil, etc.) during the course of construction, he shall not be allowed to transport these materials offsite without the written approval of the Engineer. Wherever possible, suitable native sands and gravels shall be used as backfill rather than transporting them offsite and replacing them with non-native materials of a lesser quality.

16. STONE REFILL FOR TRENCH UNDERCUT

In locations where soil at the bottom of trench is unstable, the CONTRACTOR shall excavate (undercut) below the trench bottom and place stone refill as called for in the Materials Section of this specification.

17. EXCAVATION & TRENCH DEWATERING

The CONTRACTOR shall maintain any excavation or trench free of water during construction of any structures and/or pipelines. Water accumulated due to rainfall or runoff and minor groundwater inflow that

can be controlled through the use of portable trash, submersible or positive displacement pumps shall be considered normally expected and anticipated conditions associated with underground construction. This effort will be considered incidental to the cost of construction and will not be reimbursable at the unit price bid for dewatering in the proposal.

The required use of deep wells and/or well points to lower and maintain a reduction in the groundwater elevation below the trench bottom shall be subject to approval of the ENGINEER and shall constitute a reimbursable expense for trench or excavation dewatering. If a pay item for dewatering is included in the Bid Form, then the CONTRACTOR would receive payment for this work based upon the unit bid price. If there are no provisions in the contract for payment for dewatering (i.e. bid item or incidental to other pay items), then the CONTRACTOR shall submit a detailed estimate of the additional cost. Upon acceptance of the CONTRACTOR's estimate, the ENGINEER shall issue a change order. The CONTRACTOR must demonstrate that a continuous effort is required to control hydrostatic pressure in the construction area in order to claim compensation for dewatering.

The CONTRACTOR shall take adequate precautions to control the discharge of dewatering pumps so as to prevent soil erosion or sedimentation of drainage ditches, structures, storm sewers, culverts, natural drainage courses, ponds, lakes or wetlands.

The CONTRACTOR shall insure that discharge from any dewatering operations has a suitable outlet and that it will not cause any damage to adjacent dwellings or property. Water and discharge hoses shall be placed and/or controlled so as to prevent a hazard to pedestrians or motor vehicles passing in the vicinity of the construction site.

Electric pumps shall have suitable power supply appurtenances meeting NEC requirements and properly fused and grounded to prevent electrical shock hazards to on-site personnel.

Internal combustion engine driven pumps, if operated 24 hours per day, shall have adequate exhaust silencers in good repair to muffle engine noise to an acceptable level for the area where located.

18. DIVERTING EXISTING SEWERS

Where existing sewers or drains are encountered in the Work, adequate provision shall be made for diverting flow in the existing sewers so that the excavation will be kept dry during the progress of the construction work. Upon completion of the construction work, the existing sewers shall be restored or otherwise provided with an adequate outlet as directed by the ENGINEER.

19. SHEETING, BRACING & SHORING

Where required to properly support the surfaces of excavations to protect the construction work, adjacent work or workers, sheeting, bracing and shoring shall be provided. If the ENGINEER is of the opinion that at any point sufficient or proper supports have not been provided, he may order such additional supports at the expense of the CONTRACTOR, but neither the placing of such additional supports by the order of the ENGINEER nor failure of the ENGINEER to order such additional supports placed shall release the CONTRACTOR from his responsibility for the sufficiency of such supports and the integrity of the Work. In removing the sheeting and bracing after the construction has been completed, special care shall be taken to prevent any caving of the sides of the excavation and injury to the completed work or to the adjacent property.

20. SHEETING LEFT IN PLACE

Sheeting, bracing and shoring shall not be left in place after completion of the work except as required by the ENGINEER. Where sheeting, bracing, and shoring must be left in place in order to protect the work, adjacent structures, or property, it shall be cut off or left not less than two (2) feet below the established surface grade. If sheeting, shoring or bracing must be left in place, then it shall be paid for at the contract unit bid price that is shown on the Bid Form. If a pay item was not included on the Bid Form, then a work order shall be negotiated.

21. CROSSING EXISTING STRUCTURES/PIPES

During construction, it may be necessary to cross under certain sewers, drains, culverts, water lines, gas lines, electric conduits and other underground structures. Every effort shall be made to prevent damage to such structures. Wherever such structures are disturbed or broken, they shall be restored to good condition. Specified granular backfill shall be placed as described in Section 23, Backfilling. MDOT Grade S3 concrete shall be utilized where directed by the ENGINEER at no additional cost to the project. Either granular backfill or concrete shall be brought to the spring line of the higher utility.

22. TUNNELING TREES

Trees eight (8) inches in diameter or less will require a minimum tunnel length of eight (8) feet. Trees over eight (8) inches in diameter, measured four (4) feet above the ground surface, will require a minimum tunnel length equal to one foot for each inch of tree diameter.

Trees shall be tunneled whenever any portion of an excavation approaches within a distance equal to one-half the required tunnel length except as otherwise noted on the plans.

Tunneling under trees may be accomplished by one of the following methods:

a. Boring and jacking casing pipe along with placement of a carrier pipe.

b. Boring and jacking sewer pipe or water main without a casing pipe.

c. Jacking sewer pipe or water main without boring and without a casing pipe.

Plan notes or existing field conditions shall indicate which method may be used for the tree tunneling work.

23. BACKFILLING

A. General

Backfilling shall include all work required as hereinafter specified. The placement of various pipe, including bedding and building of structures, shall be completed prior to backfilling.

Where called for on the plans, the CONTRACTOR shall backfill trenches and/or other excavations with suitable excavated material (not including gray or blue clay) replaced into the trench or excavation and compacted to not less than 95 percent of maximum unit weight as determined at existing moisture content during backfilling. Compaction shall be provided by means of suitable mechanical compaction equipment.

If the moisture content of cohesive backfill material exceeds the optimum moisture content for maximum density by more than three percent (3%), the CONTRACTOR shall dry the material to meet the foregoing moisture content limitation or provide, at his own expense, MDOT Granular Material Class III. No sloppy or wet backfill will be allowed.

Maximum unit weight will be determined by current methods of Test for Compaction and Density of Soil, AASHTO Designation T-180 or by the Cone Density Method

developed by MDOT, as the material may require.

The ENGINEER shall make compaction tests at all locations requiring granular backfill.

Any depression resulting from settlement of any backfill prior to the date of final payment for all work under this contract shall be brought to the proper grade and surface and made to match the adjacent surface.

B. Materials

Bedding, excavated backfill, and granular backfill shall conform to the requirements that were previously described in Parts 3 and 4 of this specification.

C. Compaction

Backfill material shall be placed in layers not to exceed 12 inches in thickness unless the contractor can demonstrate to the satisfaction of the Engineer that he can consistently attain the specified density on thicker lifts.

Specified compaction shall be obtained with the use of a bulldozer, sheepsfoot roller, mechanical tamper or other similar and effective equipment. Specified compaction means not less than 95 percent (not average 95 percent) of maximum unit weight when tested in accordance with current MDOT Specifications.

If excavated material is not suitable to obtain 95 percent minimum compaction, the CONTRACTOR shall, at his expense, remove unsuitable materials or add granular materials, or both, to obtain ninety-five percent (95%) minimum compaction as specified.

Compaction tests will be made by a representative of the OWNER and paid for by the OWNER, unless otherwise specified in the Contract Documents.

D. Backfilling Trenches

Bedding

The type of bedding required is shown on the detail drawings.

Bedding shall be worked under the haunches of the pipe to provide firm continuous support.

Bedding placed on the sides of and above the pipe shall be compacted by machine tamping to not less than ninety-five percent (95%) of maximum unit weight in layers not exceeding 12 inches in depth.

Trench or Excavated Area

All trenches in paved streets, shoulders, traveled roadways, parking areas and driveways shall be backfilled with suitable excavated backfill or granular backfill, as shown on the drawings from one (1) foot above top of pipe up to the required subgrade elevation which will allow for placement of the required gravel base and/or pavement surface. The approved excavated backfill or granular backfill shall be placed and thoroughly and uniformly compacted by machine tamping to the specified compaction. With the approval of the ENGINEER, water jetting may be accepted in lieu of tamping for granular backfill only.

Specified compaction shall be required of the entire trench when the edge of trench is within three (3) feet of edge of pavement. On road crossings, specified compaction shall extend ten (10) feet beyond the edge of pavement for paved roadways with gravel shoulders or shall extend three (3) feet beyond the back of curb for roadways with curb.

Trenches under concrete sidewalks and bike paths shall be backfilled from one foot above top of pipe to a level four (4) inches below finished grade of the sidewalk with approved suitable excavated backfill or

granular backfill and compacted to ninety-five percent (95%) maximum density.

Trenches not in paved streets, shoulders, traveled roadways, parking areas, driveways or under sidewalks, shall be backfilled from one (1) foot above the top of the pipe up to the ground surface (except as noted under the Restoration Specification) with suitable excavated backfill and shall require compaction equal to adjacent undisturbed earth.

Wherever gas mains, water mains, sewers, or other utilities are located in the trench area, granular backfill shall be used for backfill from bottom of the trench up to the springline of the pipes. Granular backfill shall be placed across the full trench width and extend far enough either side of the existing pipe to allow specified compaction so as to thoroughly support the pipe within the trench area.

E. Backfilling Around Structures

As soon as practicable after concrete structures have set, forms and debris shall be removed and the surface of the concrete pointed. After the structure has been checked and approved, the excavated area around the structure shall be backfilled up to specified subgrade with granular material or suitable excavated material as called for on the drawings for the adjacent trench. The fill shall be thoroughly compacted by machine tamping. No large boulders or masonry shall be placed in backfill. No backfill will be placed against manhole walls within 48 hours after the plaster coat has been applied to the outside of the walls nor shall backfill be placed about concrete structures until concrete has attained at least 75 percent of its design strength and approval of the ENGINEER has been obtained.

24. PLACING AND COMPACTING EMBANKMENT

Embankment material for fill work shall be placed and compacted in accordance with Section 2.05.03H of the MDOT Standard Specification for Construction.

25. DISPOSAL OF EXCAVATED MATERIAL

After all suitable excavated material has been used on site, the CONTRACTOR shall be responsible for properly removing and disposing of the excess.

The CONTRACTOR shall also be responsible for disposing of all other excavated materials that are unsuitable for use as fill or backfill. Unsuitable materials may include, but are not limited to, broken concrete, asphalt, rock, stone, and other related debris. The CONTRACTOR shall be required to obtain his own disposal areas and permits and shall receive no additional compensation for this disposal work.

Surplus or unsuitable material shall not be disposed of either temporarily or permanently beyond the plan grading limit line or across any wetland or flood plain unless the plans provide for such placement.

Any agreements that the CONTRACTOR makes with local residents concerning the placement of fill on private property shall be the sole responsibility of the CONTRACTOR. The OWNER will not become involved with any such agreements and will not be liable for damages that the CONTRACTOR may cause to private property.

Placement of fill on private property may require that the resident or CONTRACTOR obtain a grading permit or fill permit from the OWNER.

26. FINAL CLEANUP & GRADING

Upon completion of the construction, and before final payment is made, the CONTRACTOR shall restore his working area to as clean a condition as existed before his operations were started. He shall go over the entire line and refill any place that may

have settled. He shall then re-grade and put in shape all backfilled trenches, all fills he may have made from excess excavated materials, and all other areas that may have been disturbed through all operations.

27. CONTRACTOR SAFETY REQUIREMENTS

The excavation and trenching operations shall be conducted by the CONTRACTOR in a manner that will provide safe working conditions for all persons on the site who may be affected by the Work. The CONTRACTOR shall also conduct his operations in a manner that will protect adjacent property from damage.

Trench sides shall be either cut back to the slope as necessitated by soil and ground water conditions which will provide stable sides, or supporting systems shall be installed that are capable of restraining the earth sides from movement. A qualified employee of the CONTRACTOR shall design the trench supporting systems.

The CONTRACTOR shall employ, at all times at the site of the work, a qualified person who will be responsible for the safety of both the work and workmen, and who will make all the decisions relevant to the stability of trenches, the adequacy of any and all protective devices, proper operation of equipment, and all other matters related to safety.

The CONTRACTOR shall not store, along and adjacent to the trench, excavated material, heavy equipment, backfill materials, sewer pipe, or other construction materials which may impose too great a load on the earth and cause displacement or caving of the earth. The CONTRACTOR shall, at all times, provide a safe means of emergency exit from all trench excavations.

End of Section

RESTORATION

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GENERAL

1. SCOPE OF WORK

This work shall be subject to conditions of the General Conditions, General Specifications and include the furnishing of labor, materials, tools, accessories, equipment and services necessary for restoration of the surfaces shown on the Contract drawings and/or as herein required.

This work shall include replacement of all permanent type roadway surfaces, concrete sidewalks, curb and gutters, driveways, trees, culverts, fences, ditches, and miscellaneous items damaged or removed due to construction. Disposal of excess or unsuitable materials shall be considered as part of the restoration work. All such work shall be in accordance with the best modern practice, the OWNER's standards, and as specified herein.

Prior to performing work under this section, the CONTRACTOR shall submit to the ENGINEER for approval his construction methods and design mixes, sieve analysis and/or certification of compliance with the 2012 Michigan Department of Transportation (MDOT) Standard Specifications for Construction except where otherwise noted. No permanent surface restoration shall be performed until all underground work has been approved.

In the event that these specifications conflict with those of the OWNER or the controlling agency, the more stringent requirements shall govern.

2. SHOP DRAWINGS

When required by the ENGINEER, shop drawings shall be furnished as prescribed under the General Conditions.

Before the CONTRACTOR orders any restoration materials that he is proposing to use as substitutes for specified items, he shall submit details of the substitutes to the ENGINEER for consideration and approval.

3. MDOT STANDARDS

References to the Michigan Department of Transportation (MDOT) Specifications shall pertain to the 2012 Standard Specifications for Construction.

MATERIALS

4. AGGREGATE

a. Gravel Approaches and Roads

Natural aggregate shall be used for gravel appproach (driveways) and road restoration and shall meet the requirements of MDOT 21AA or 22A as shown in Table 902-1 of the MDOT Standard Specifications for Construction.

b. Shoulders

Natural aggregate shall be used for shoulders and shall meet the requirements of MDOT 21AA, 22A, or 23A as shown in Table 902-1 of the MDOT Standard Specifications for Construction.

c. Base Course

Natural aggregate shall be used for base course construction and shall meet the requirements of MDOT 21A, 21AA, or 22A as shown in Tables 902-1 and 902-2 of the MDOT Standard Specifications for Construction.

5. HOT MIX ASPHALT SURFACE, LEVELING, & BASE COURSES

Hot mix asphalt materials used for pavement construction shall meet the requirements of section 501.02 of the MDOT Standard Specifications for Construction or the requirements of the controlling agency as called for on the construction plans.

6. CONCRETE PAVEMENT, SIDEWALKS, CURB & GUTTER

Concrete used for pavement, sidewalk, and curb and gutter construction shall meet the requirements of MDOT grade P1 concrete or the requirements of the controlling agency as called for on the construction plans. MDOT grade P-NC may also be used where circumstances require the use of a high-early strength concrete. Refer to Table 601-2 of the MDOT Standard Specifications for Construction.

7. TOPSOIL

Topsoil shall be screened and shall consist of loose black-colored soil that is suitable for the growth of grass seed or sod. The topsoil shall be obtained from the upper layer of an existing fertile soil and be free of limbs, twigs, rocks, stones, muck, roots and debris, etc. and containing organic matter rich in nutrients with negligible clay content.

Topsoil shall meet the following requirements:

a. The pH range shall be from 6.0 to 7.5. Topsoil outside of this range shall be amended by the addition of pH adjusters as approved by the Engineer.

b. The organic matter content shall range between 2% and 6% (by dry sample weight).

c. The soil texture shall be a sandy loam, silt loam, or loam where the sand, silt, and clay contents (by dry sample weight) fall within the following ranges:

Sand.....40% to 65%
Silt.....25% to 60%
Clay.....5% to 15%

d. The gradation shall be as follows:

Sieve Designation	% Passing
1 inch screen	100
0.25 inch screen	97 - 100
No. 10 U.S.S. mesh sieve	95 - 100
No. 140 U.S.S. mesh sieve	15 - 35

e. The soil salinity as measured by the electrical conductivity of a saturated soil

sample shall not exceed 2dS/m (decisiemens/meter).

f. Topsoil samples may be taken from stockpiles by the ENGINEER for submission to a testing laboratory. Topsoil that does not meet the required specifications shall be removed from the project site by the CONTRACTOR and shall be replaced with suitable topsoil that meets the testing requirements.

8. SEED & FERTILIZER

Seed and fertilizer shall meet the following requirements:

Table R-1

Location	Seeding* Requirement	Fertilizer Requirement
Maintained Lawn Areas	MDOT Type THM Mix (20% Perennial Rye, 30% Kentucky Blue, 50% Red Fescue) applied at 220 lbs./acre	MDOT Class A, 228 lbs./acre
Fields, Slopes & Ditch Banks, Etc.	MDOT Type THV Mix (30% Perennial Rye, 15% Kentucky Blue, 45% Red Fescue, 10% Fults Salt) applied at 220 lbs./acre	MDOT Class B, 120 lbs./acre

* percent mixture proportions by weight

All grass seeding shall meet the requirements for purity and germination as called for in the MDOT Standard Specifications for Construction Table 917-1 for Seed Mixtures. Seed shall be delivered in durable containers which show the manufacturer's name, lot number, weight, contents, purity, and germination. Although Table R-1 lists only two typical seeding mixtures, other seeding mixtures shown in MDOT Tables 816-1 and 917-1 may be used where approved by the Engineer.

9. MULCH & MULCH BLANKETS

Mulch and mulch blankets shall meet the following requirements:

a. Loose Mulch. Mulching material shall consist of any straw or marsh hay in an air-dry condition. Hay in an air-dried condition will be permitted only when straw mulch or marsh hay is unavailable. Mulch materials shall be undamaged, rot free, clean, substantially free of weed seed and other objectionable foreign matter.

b. Mulch Blankets (for moderate runoff condition). Mulch Blankets shall be one of the following or an approved equal:

S1 Erosion Control Blanket – BonTerra America

Contech ERO-MAT - Contech Construction Products

Erosion Control Blanket DS-75 – North American Green

c. High Velocity Mulch Blankets (for medium to heavy runoff condition). High velocity mulch blankets shall be one of the following or an approved equal:

S2 Erosion Control Blanket – BonTerra America

Contech High Velocity ERO-MAT – Contech Construction Products

ECS High Impact Excelsior Blanket – Erosion Control Systems, Inc.

ECS Hich Velocity Straw Mat –
Erosion Control Systems, Inc.

Erosion Control Blanket DS-150 –
North American Green

10. SOD

Sod shall meet the requirements of Section 917.13 of MDOT Standard Specifications for Construction. The Contractor shall keep the sod watered until a vigorous growth is established.

Sod must be an upland mineral soil sod. Sod must be grown on loam soils. Sod grown on peat is not acceptable for use.

11. FENCING

Chain link and woven wire fence materials shall meet the requirements of Section 907 of MDOT Standard Specifications for Construction. Chain link fabric shall be as called for on the construction drawings (aluminum-coated, zinc-coated, or vinyl-coated). Fences made of other materials (wood board, split rail, iron, etc.) shall be replaced in kind or as called for on the construction drawings. In this case, fence materials and construction methods shall meet the applicable standards of ASTM.

12. TREES & SHRUBS

Trees and shrubs shall be quality, nursery-grown stock with adequate root growth (balled and burlapped). Nursery stock shall meet the standards of the current edition of the American Standard for Nursery Stock as published by the American Association of Nurserymen, as well as the standards of Section 917 of the MDOT Standard Specifications for Construction.

13. TIMBER POSTS

Timber used for fence, guide, guard and mailbox posts shall meet the requirements of Section 912.08 of the MDOT Standard Specifications for Construction.

14. TRAFFIC SIGNS & POSTS

Traffic and street signs that are removed or damaged shall be replaced in kind. The materials used for such sign and post replacements shall meet the applicable standards of Section 919 of the MDOT Standard Specifications for Construction.

15. PAVEMENT STRIPING

Pavement striping materials shall meet the requirements shown in Section 920 of the MDOT Standard Specifications for Construction.

CONSTRUCTION

16. PAVEMENT RESTORATION

The aggregate and pavement thicknesses shown in the following sections are intended to be a guideline for minimum thicknesses. Thicker sections may be required depending upon the requirements of the OWNER or the controlling agency. All pavements shall be restored to the elevation and section that existed prior to construction.

a. Gravel Shoulders and Approaches

Gravel shoulders and approaches shall be constructed as described in Section 307.03 of the MDOT Standard Specifications for Construction.

Gravel shoulder restoration shall consist of placement and compaction of MDOT 21AA limestone or MDOT 22A gravel on a suitable subgrade to form a minimum six (6) inch thick section. The 21AA limestone or 22A gravel shall be compacted to a minimum density of ninety-eight (98) percent of the maximum unit weight. The restored shoulder width shall match the existing width.

Restoration of gravel approaches shall consist of placement and compaction of MDOT 21AA limestone or MDOT 22A gravel on a suitable subgrade as called for

on the plans to form a minimum six (6) inch thick section. The 21AA limestone or 22A gravel shall be compacted to a minimum density of ninety-eight (98) percent unit of the maximum unit weight. The restored approach width shall match the existing width.

b. Gravel Roads

Restoration of gravel roads shall consist of placement and compaction of MDOT 21AA limestone, MDOT 22A gravel, or MDOT 23A gravel as called for in the plan details to form a minimum eight (8) inch thick section. The restored road width shall match the existing road width. Gravel roads shall be constructed as described in Section 306.03 of the MDOT Standard Specifications for Construction.

c. Aggregate Base Courses

Aggregate base courses shall be placed and compacted to the thickness and width as called for on the plan details and as described in Section 302.03 of the MDOT Standard Specifications for Construction. Unless otherwise indicated in the Suppplemental Specifications, aggregate base courses shall be compacted to a minimum density of ninety-eight (98) percent of the maximum unit weight.

d. Sawcutting

All pavement, curb and gutter, and sidewalk removals shall be accomplished by sawcutting with a power-driven concrete saw. Sawcutting shall be full depth for all pavements (concrete, bituminous, concrete with bituminous overlay).

In bituminous pavement, sawcut lines shall be parallel with or perpendicular to the direction of vehicle travel.

In concrete pavement, sawcut lines shall be cut parallel with pavement joints. Sawcuts shall not be nearer than five (5) feet to a transverse joint, to the center of pavement, or to the edge of pavement such that no existing or replacement pavement section shall be less than five (5) feet in width. If the proposed sawcut is nearer than five (5) feet to a joint or centerline of a pavement, then removal and replacement shall be extended to said joint or centerline.

If an integral concrete curb is to be removed, then the minimum removal width shall be eighteen (18) inches.

e. Hot Mix Asphalt (HMA) Pavement

Hot mix asphalt pavements shall be constructed in accordance with the plan details and Section 501 of the MDOT Standard Specifications for Construction. Where new asphalt pavement is to adjoin existing asphalt pavement, a two (2) foot wide butt joint shall be constructed. A bond coat shall be applied to the existing pavement surface. Unless otherwise called for in the plan details, the following sections shall apply as a minimum:

Bike paths:	3" HMA over 4" 21AA aggregate base (with soil sterilant application)
Residential driveways:	3" HMA over 6" 21AA aggregate base
Commercial driveways:	4" HMA over 8"21AA aggregate base; or 8" asphalt
Residential streets:	4" HMA over 8" 21AA aggregate base; or 8" asphalt
Collector road:	9" HMA over 6" 21AA aggregate base

The laboratory density of HMA pavement shall be determined by the Marshall Procedure ASTM D-1559 using 50 blows on each of the specimens as the compactive effort. One set of three (3) specimens shall be made on the first day of placement and on subsequent days as determined by the Engineer.

The measurement of field-compacted density shall be done with a nuclear gage. The percent of compaction obtained shall be determined by dividing the field-compacted density by the laboratory density and multiplying the result by 100. Unless otherwise indicated in the plan details or Supplemental Specifications, all HMA pavements shall be compacted to a minimum calculated density of 97%.

Density tests shall be taken on the completed pavement at a frequency of one test every 500 linear feet of paving lane, except for the last unit which will be 500 linear feet, plus any fractional unit less than 250 feet in length, or will be a fractional unit of 250 feet or more in length. Miscellaneous areas such as intersections, crossovers and widening lanes less that 250 feet long will be tested as directed by the Engineer.

f. Concrete Pavement

Concrete pavements shall be constructed in accordance with the plan details as well as Sections 602 and 801 of the MDOT Standard Specifications for Construction. Where new concrete pavement is to be anchored to old pavement, dowel bars and lane ties shall be installed in accordance with MDOT Standard Plans. Joints shall be installed in the new concrete pavement to match existing joint types and locations. Reinforcing steel shall be similar to that in the existing pavement and shall provide the same cross sectional area of reinforcement per foot as the existing pavement. Unless otherwise called for in the plan details, the following sections shall apply as a minimum:

Residential driveways:	6" non-reinforced concrete over 4" sand base
Commercial driveways:	8" non-reinforced concrete over 4" sand base
Residential streets:	8" non-reinforced concrete over 6" sand base
Collector road:	9" non-reinforced concrete over 6" sand base

g. Concrete Sidewalk and Ramps

Concrete sidewalks and ramps shall be constructed in accordance with the plan details and Section 803 of the MDOT Standard Specifications for Construction. Unless otherwise called for in the plan details, the following sections shall apply as a minimum:

Sidewalks:	4" concrete over 4" sand base
Sidewalks (at residential drive crossing):	6" concrete over 4" sand base
Sidewalks (at commercial drive crossing):	8" concrete over 4" sand base
Sidewalk ramps:	4" concrete over 4" sand base

h. Concrete Curb and Gutter

Concrete curb and gutter shall be constructed in accordance with plan details and Section 802 of the MDOT Standard Specifications for Construction.

17. TURF ESTABLISHMENT

The CONTRACTOR shall furnish and place topsoil, seed, or sod, and fertilizer for all areas that were disturbed during construction. Seed and sod shall be installed in accordance with the seasonal limitations that are described in section 816.03 of the MDOT Standard Specificiations for Construction unless directed otherwise by the Engineer.

a. Topsoil

Unless otherwise called for on the plans, a minimum of three (3) inches of topsoil shall be placed for areas that are to be restored with seeding or sodding. Topsoil shall be placed on a prepared earth bed in accordance with Section 816.03A of the MDOT Standard Specifications for Construction.

The existing earth bed shall be graded such that the placement of topsoil and sod will meet the final plan grades.

b. Seed

Seeding shall be sown in accordance with Section 816.03C of the MDOT Standard Specifications for Construction. The application rate for the seeding shall be as shown in the table in part 8 of the Materials Section.

c. Mulch and Mulch Blankets

Mulch and mulch blankets shall be placed over seeded areas as called for in Section 816.03E through H of the MDOT Standard Specifications for Construction. If mulch blankets must be secured to a slope, then biodegradable netting and biodegradable earth staples shall be used.

Mulch anchoring shall be considered as incidental to mulch placement unless a pay item for mulch anchoring has been included in the Bid Form.

d. Sod

Sod shall be placed in accordance with Section 816.03D of the MDOT Standard Specifications for Construction.

A sod cutter shall be used to establish a smooth vertical edge when new sod is to abut existing sod.

e. Fertilizer

Fertilizer shall be placed in accordance with Section 816.03B of the MDOT Standard Specifications for Construction. The application rate for the fertilizer shall be as shown in table in Part 8 of the Materials Section.

f. Watering and Maintenance

It is the responsibility of the CONTRACTOR to regularly water new seed and sod in order to establish a dense lawn of permanent grasses that is free from mounds and depressions. Any portion of a sodded area that "browns-out" or does not firmly knit to the soil base, or any portion of a seeded area that fails to show a uniform germination, shall be resodded or reseeded. Such resodding or reseeding shall be at the CONTRACTOR's expense and shall continue until a dense lawn in established.

Watering seed and sod shall be considered as incidental to the turf establishment work unless a pay item for water has been included in the Bid Form.

18. FENCING

Prior to the start of any fence restoration work, the CONTRACTOR shall verify that the line and grade are correct.

a. Removing and Replacing Existing Fences

Fences shall be removed and replaced or shall be removed as indicated on the Plans or as directed by the ENGINEER. If any of the existing material is damaged or destroyed, the CONTRACTOR shall replace the material at his expense. Replacement fence material shall be of a condition comparable to that which existed prior to construction.

After the fence removal or relocation operations are complete, all surplus material shall be removed and disposed of by the CONTRACTOR at his expense unless otherwise called for on the Contract Documents.

Any holes or voids resulting from the fence post removal operation shall be backfilled

with a suitable material, as approved by the ENGINEER.

b. Placing New Fence

Woven wire and chain link fencing shall be installed in accordance with Sections 808.03A and D of the MDOT Standard Specifications for Construction. If called for on the plans, a top rail shall be used in place of tension wire for the chain link fence construction. Other fence types (timber, boulders, decorative rock, etc.) shall be constructed in accordance with plan details.

19. GUARDRAIL

Guardrail shall be placed in accordance with Section 807 of the MDOT Standard Specifications for Construction. Guardrail design shall be approved by the ENGINEER and shall conform to the current applicable standards of the agency that has jurisdiction of the right-of-way.

Any holes or voids resulting from the guardrail post removal operation shall be backfilled with a suitable material, approved by the ENGINEER.

20. TREE & SHRUB PLANTING

Trees and shrubs shall be planted in accordance with Section 815 of the MDOT Standard Specifications for Construction. Nursery stock shall conform to the standards shown in the American Standard for Nursery Stock (ANSI Z60.1-1996).

Watering and cultivating trees and shrubs during the establishment period shall be considered as incidental to the tree and shrub planting work unless a pay item for watering and cultivating has been included in the Bid Form.

21. MAILBOXES

Where mailbox post replacement is called for on the plans, new mailbox posts shall be furnished and installed in accordance with Section 807 of the MDOT Standard Specifications for Construction and the plan details.

22. TRAFFIC SIGNS & POSTS

Placement of traffic signs and posts shall be done in accordance with the applicable Sections in 810 of the MDOT Standard Specification for Construction, the current edition of the Michigan Manual of Uniform Traffic Control Devices, and the plan details.

23. PERMANENT PAVEMENT STRIPING

Permanent pavement striping shall be placed in accordance with the plan details and Section 811 of the MDOT Standard Specifications for Construction.

24. DRAINAGE STRUCTURES, CULVERTS, & DITCHES

As part of restoration, the CONTRACTOR shall be responsible for cleaning out all drainage structures, culverts, and ditches that are located within the area of construction. All ditches shall be restored such that drainage will flow freely. The cost of this work shall be considered as incidental to the project.

25. PROGRESS OF FINAL RESTORATION

If in the judgement of the OWNER, adequate site restoration efforts are not being expended, including but not limited to, roadway, driveway and drainage maintenance, removal of surplus materials, restoration of all signs, mail boxes and like items, then the OWNER will take the necessary steps to perform such restoration and shall charge the CONTRACTOR for all of the costs until proper order is restored.

End of Section

STORM SEWER CONSTRUCTION

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GENERAL

1. SCOPE OF WORK

This work shall be subject to the requirements of the General Conditions and General Specifications and shall include the furnishing of all labor, materials, tools, equipment, accessories and services necessary for providing and installing the items as shown on the Contract Documents or as herein required.

In the event these Specifications conflict with those of the OWNER's standards, the permit agency, or agency controlling the right-of-way where the sewer is being installed, the more stringent requirements will govern.

2. SHOP DRAWINGS

When required by the ENGINEER, shop drawings shall be furnished as prescribed under the General Conditions.

Before the CONTRACTOR orders any pipe or other appurtenances that he is proposing to use as substitutes for specified items, he shall submit design details of the substitutes to the ENGINEER for consideration and approval.

3. CERTIFICATION & CHECKING

All pipe and precast structures delivered to the job shall be accompanied by certification papers showing they have been tested in accordance with applicable specifications and that they meet the specifications for the project. All pipes and precast structures will be checked upon delivery to the job site. Any cracked, damaged or broken pieces or sections will be immediately removed from the site at the CONTRACTOR's expense.

4. MDOT STANDARDS

References to the Michigan Department of Transportation (MDOT) Specifications shall pertain to the 2012 Standard Specifications for Construction.

MATERIALS

5. SEWER PIPE

Sewer pipe shall be of the type and class designated for the specific locations or intended use shown or noted on the project plans. Any deviation from the type or class of pipe shown on the plans will not be permitted except upon receipt of written approval of the ENGINEER.

Any of the types of storm sewer pipe or joints listed below may be substituted upon approval of the ENGINEER provided that the flow capability and pipe strength (external load supporting) is equal to or exceeds that of the pipe specified on the plans.

Table ST-1
Storm Sewer Pipe Specifications

The intent of this table is to show the standards required for particular types of pipe and joints. The OWNER may not accept all of these types. The CONTRACTOR must refer to the project plans OWNER's standard details and bid forms to determine the type of pipe required for a particular project.

	Type of Pipe	Pipe Specification*	Allowable Type of Joint	Joint Specification *
a.	Extra strength non-reinforced concrete	ASTM C14	Modified grooved tongue with rubber gasket	ASTM C443
b.	Reinforced round concrete (size 12" & larger)	ASTM C76	Modified grooved tongue with rubber gasket	ASTM C443
c.	Reinforced elliptical concrete	ASTM C507	Tongue & grooved bituminous sealed joint with inside cement pointing on 42" equivalent size and larger External Seal (can be added to tongue and grooved bituminous sealed joint)	ASTM C443 ASTM C877
d.	Corrugated and smooth round metal pipe & pipe arch (galvanized steel)	AASHTO M36 ASTM A760	Metal coupling bands	AASHTO M36
e.	Corrugated and smooth round metal pipe & pipe arch (aluminized steel type 2)	AASHTO M36 ASTM A760	Metal coupling bands	AASHTO M36
f.	PVC (corrugated pipe with smooth interior; size 36" & smaller)	ASTM F949	Push on type	ASTM D3212 ASTM F477

	Type of Pipe	Pipe Specification*	Allowable Type of Joint	Joint Specification *
g.	HDPE	AASHTO M294 ASTM F2306	Push on type	ASTM D3212 ASTM F477
h.	PVC underdrain – smooth wall (4" & 6")	AASHTO M278	Push on type	* *
i.	ABS underdrain – smooth wall (4" & 6")	ASTM D2751, SDR 35 (AASHTO M270 for perforations)	Push on type	* *
j.	Polyethylene underdrain – corrugated (4" & 6")	AASHTO M252	Coupling band	AASHTO M252
k.	PVC underdrain – corrugated (4" & 6")	ASTM F949 (AASHTO M252 for perforations)	Coupling band	ASTM F949

* The latest revision of ASTM or AASHTO Specifications shall apply.

* * Joint tightness requirements shall not apply.

ASTM stands for American Society of Testing and Materials
AASHTO stands for American Association of State Highway Transportation Officials

6. CEMENT MORTAR POINTING:

Non-shrink cement mortar shall conform to MDOT Standard Specifications for Construction Type R-2 Mortar.

7. STORM DRAINAGE STRUCTURES

Manholes, catch basins, inlets, and special structures shall be constructed at locations shown on the plans and shall be of the size and type called for on the plans. They shall be constructed of precast reinforced concrete, concrete manhole block, poured-in-place concrete, or combinations of above. Structures shall be constructed to conform to these specifications and in accordance with the plan details. Where references are made to ASTM or AASHTO Specifications, the latest revision shall apply.

a. Precast reinforced concrete manhole sections shall conform to ASTM C478. The minimum wall thickness for four (4) foot diameter manholes shall be five (5) inches.

b. Precast manhole tees for 48-inch and larger storm sewer pipes shall be the same class pipe as that specified on the plans, but shall be a minimum ASTM C76 Class IV. The manhole riser shall meet the requirements of ASTM C478.

c. Joints on precast reinforced concrete risers, cones, and base sections may be either cold applied bituminous mastic or modified grooved tongue with rubber gasket conforming to ASTM C443.

d. Base slab for structures shall be precast reinforced concrete, ASTM C478. When approved by the ENGINEER, poured in place concrete may be used. Base riser section with integral floor design shall be approved by the ENGINEER prior to manufacture.

e. Manhole steps shall be reinforced polypropylene plastic No. PS2-PFS as manufactured by M.A. Industries, Inc., cast iron No. 8500 as manufactured by East Jordan Iron Works, approved equal, or as specified on the drawings.

f. Concrete manhole block shall conform to ASTM C139 and additional requirements of MDOT Specification 913.05.

g. Brick for use in drainage structures shall conform to MDOT Specifications 913.03 A and C (concrete bricks).

h. Grade rings shall conform to ASTM C478 and shall have minimum thickness of three (3) inches.

i. Mortar for use in drainage structures shall conform to MDOT Specification 702, Type R-2.

j. Concrete for poured-in-place construction shall conform to plan details, approved shop drawings, and to the requirements of grade S3 concrete as shown in the MDOT Specifications Table 701-1A Concrete Structure Mixtures by Slump and Table 701-1B Concrete Structure Mixtures by Strength of Concrete.

k. Gray iron castings shall be of the type, size, and weight as specified on the plans. The castings shall conform to MDOT Specification 908.05.

l. The entire outside surface of all brick or concrete block portions of drainage structures shall be plaster coated with one-half (1/2) inch thick mortar.

m. All manholes on storm sewers eighteen (18) inches in diameter and smaller shall have two foot deep sumps unless otherwise called for on the plans

CONSTRUCTION

8. GENERAL

Excavation, bedding, and backfill for sewers and related structures shall be accomplished in accordance with requirements in the Earthwork Section.

Excavations shall be of sufficient widths and depths to provide adequate room for the construction and installation of the work to the lines, grades, and dimensions called for on the plans.

If the maximum trench width specified in the Earthwork Section is exceeded (unless otherwise shown on the plans), the CONTRACTOR shall install, at his own expense, such concrete cradling or other bedding as approved by the ENGINEER to support the added load of the backfill.

Install pipe, fittings, and appurtenances in strict accordance with the manufacturer's recommendations and these Specifications.

9. LAYING PIPE

a. Handling Pipe & Fittings

All pipes and castings shall be unloaded and distributed along the line of work in such manner and with such care as will effectually avoid damage to any pipe or fitting. Dropping pipe or fittings directly from the truck will not be permitted. Care must also be taken to prevent abrasion of the pipe.

b. Placement of Pipe

Each pipe shall be checked for defects prior to being lowered into the trench. The inside of the pipe and the outside of the spigot shall be cleaned of any dirt or foreign matter.

Construction shall begin at the outlet end and proceed upgrade with spigot ends pointing in the direction of flow. Pipes shall be laid on a minimum four (4) inch sand bedding. A six (6) inch sand bedding shall be provided if called for on the plan details. If the subgrade has been disturbed so that refilling is necessary to bring the pipe to grade, such refilling shall be done with sand or gravel thoroughly tamped in place. Bell holes shall be excavated so that the full length of the pipe barrel will bear uniformly on the sand bedding.

Pipes shall be centered in bells or grooves and pushed tight together to form a smooth and continuous invert. After laying pipe, care shall be taken so as not to disturb its line and grade. Any pipe found off grade or out of line shall be re-laid properly by the CONTRACTOR.

c. Line and Grade

All pipe shall be laid to line and grade called for on the plans. Each pipe, as laid, shall be checked by the CONTRACTOR with line and grade pole or other device to insure this result is obtained. The finished work shall be straight and shall be sighted through the pipe between manholes.

d. Excavation to 18 inches Below Bottom of Pipe

As a result of the CONTRACTOR's construction procedure or where excavation has not uncovered a stable foundation subgrade at a depth of six (6) inches below the bottom of pipe, the CONTRACTOR shall continue to excavate downward to a maximum distance of eighteen (18) inches below the bottom of pipe to reach stable foundation soil. The space resulting from such excavation and the pipe bedding shall be filled and constructed in the same manner and using the same materials specified in the Earthwork Specifications Section. All costs for such construction shall be borne by the CONTRACTOR.

e. Excavation Below Limits Specified in above Paragraph "d"

Where excavation has not uncovered a stable, foundation subgrade at depths eighteen (18) inches below the bottom of pipe, then the CONTRACTOR shall stop further excavation and immediately notify the ENGINEER of the condition and of his intent to make a claim for additional cost. The ENGINEER shall investigate the soil conditions and may direct the CONTRACTOR to continue excavating if it appears that a stable subgrade can be obtained. In this case, the additional excavation beyond eighteen (18) below the bottom of pipe would be measured and paid for as trench undercut and refill. Material for refill of the undercut area shall be as described in the Earthwork Section. In the event that soil conditions are extremely severe, then the ENGINEER and soils consultant shall investigate the site conditions and shall prescribe the appropriate pipe support system to be used. Within ten (10) days after the ENGINEER determines the appropriate pipe support system to be used, the CONTRACTOR shall submit a detailed estimate for additional cost, excluding the costs to be borne by the CONTRACTOR in the above paragraph "d". The estimate shall include only those additional costs necessary to construct the pipe support system as directed by the ENGINEER. It shall not include

construction costs prior to the stoppage of work. Upon acceptance of the CONTRACTOR's estimate, the ENGINEER shall issue a change order.Laying and Bedding of PVC and HDPE Pipe

Bedding of PVC and HDPE Pipe shall be in accordance with current ASTM specifications.

Potential damage can occur to exterior walls of PVC and HDPE Pipe, particularly under cold weather conditions if rocks, frozen material, or large objects strike the pipe. The CONTRACTOR shall carefully avoid dumping any materials other than approved bedding sand or stone on the pipe until a 12-inch cover is placed on it. Pipe walls and joints shall also be protected from abrasion and damage during handling and shall be fully checked just prior to placing in the trench.

Care shall be taken during bedding compaction to avoid distorting the shape of the pipe or damaging its exterior wall.

Cutting of pipe, where required, shall be performed by the use of tools or equipment that will provide a neat, perpendicular cut without damage to the pipe material.

Bowing or warping of pipe can occur with temperature fluctuations. The CONTRACTOR shall store and protect the pipe to minimize bowing. Nominal 12'-6" pipe lengths that have deviations from straight greater than one (1) inch shall not be used.

f. Concrete Cradle for Pipe

Where called for on the drawings, or otherwise required, pipe shall be installed with a concrete cradle of MDOT Grade S3 concrete.

Each pipe shall rest on a 6-inch minimum thickness bed of dry mix concrete that is shaped to fit the bottom of the pipe. The dry mix concrete shall be MDOT Grade S3 or ENGINEER-approved equal.

After setting the pipe, the space between the outside of the pipe and the undisturbed trench bank shall be filled to a level equal to a point 1/3 of the diameter above the pipe invert with MDOT Grade S3. The concrete shall have a five (5) inch slump and be mechanically vibrated to insure complete filling of the annular space between the excavated face of the original ground and the outside face of the pipe.

g. Jointing

Where pipe is laid in wet trenches, trenches with running sand, or in trench conditions where manual means will not allow pushing the pipe home, the CONTRACTOR shall provide and use mechanical means for pulling the pipe home and holding the pipe joints tight until completion of the line. Mechanical means shall consist of a cable placed inside the pipe with a suitable winch, jack, or come-along for pulling the pipe home and holding the pipe in position.

All joints on elliptical concrete pipe (42-inch equivalent diameter and larger) shall be cement mortar pointed on the inside. On bituminous mastic joints the compound shall be removed to a depth of three-quarters (3/4) of an inch from the inside of the joint before pointing.

h. Backfill

Backfill shall be placed in accordance with the Earthwork Specifications.

10. STORM DRAINAGE STRUCTURES

Construction methods for drainage structures shall conform to MDOT Specification 403.03 except as herein provided.

All precast sections shall bear the stamp of an approved laboratory as having been tested and delivered from tested stock of the

manufacturer, at the expense of the CONTRACTOR.

Precast sections shall be constructed so that no more than fifty (50) percent of the circumference, measured on the inside face, is deleted on any horizontal plane for sewer pipe openings. There shall be no less than twelve (12) inches of residual concrete measured on any horizontal plane between pipe openings.

Excavation shall be carried to the depth required to permit the construction of the base in accordance with the requirements of the Standard Details. The excavation shall be sufficiently wide to allow for shoring, bracing, or formwork, should any or all be necessary. Also, the excavation shall allow for accessibility in plastering the exterior of all brick masonry. The bottom of the excavation shall be trimmed to a uniform horizontal bed to receive the concrete base. The excavated section shall be completely dewatered before any concrete is placed therein.

With the exception of drainage structures having sumps, the bottom of the structures shall be channeled to provide for smooth flow through the manhole. Channels shall be formed using MDOT Grade S3 concrete.

Connections to manholes shall be properly supported and braced where not resting on original ground so that any settlement will not disturb the connection.

11. FINAL GRADE ADJUSTMENTS

a. Final Grade – Existing Structures

Adjustment of drainage structures shall apply to all final vertical changes made on existing structures where the elevation of the cover is not changed by more than six inches. Vertical changes in excess of six (6) inches will be treated as structure reconstruction.

b. Final Grade – New Structures

Final grade adjustment of new structures shall be considered as incidental to the structure construction.

Final grade adjustments may be made using either brick and mortar construction or precast concrete adjustment rings at the option of the CONTRACTOR.

The maximum allowable grade adjustment using grade rings shall be fifteen (15) inches. Final grade adjustment for manholes located in pavements and sidewalks shall be made with brick and mortar. A minimum of three (3) or maximum of six (6) courses of brick shall be placed on top of the precast cone section.

12. STUBS, CONNECTIONS, AND BULKHEADS

The CONTRACTOR shall furnish all material and labor and shall install and/or construct stubs, connections, bulkheads, and related items of work as called for in the Contract Documents.

Existing sewers shall be connected where called for on the plans. Bulkheads shall be placed or removed where called for on the plans.

Unless otherwise noted on the plans, stubs twelve (12) inches or larger in diameter shall consist of one full length of concrete storm sewer pipe, minimum length eight (8) feet, with watertight brick and mortar bulkhead. Unless otherwise noted on the plans, stubs four inches (4-inch) to ten inches (10-inch) in diameter shall consist of one full length of plastic storm sewer pipe, minimum length of eight (8) feet, with an expandable plug or removable cap.

13. CLEANING

All sewers shall be thoroughly cleaned before final acceptance.

14. TESTING

a. General

The CONTRACTOR shall provide all necessary equipment and labor for making the tests and cost of same shall be incidental to the unit price bid for sewer.

b. Deflection Test for Plastic Pipe

The allowable maximum deflection shall be five (5) percent of internal pipe diameter. A Deflection Test Gauge (Go, No-Go) as manufactured by Hurco Technologies, Cherne Industries, or approved equal shall be used to verify that the maximum allowable deflection standard is met. The test gauge must have a minimum of 9 points. Proving rings must be provided to verify the gauge diameter. The gauge must be pulled through manually. Force will not be allowed. Pipe with deflections greater than five (5) percent will be considered unacceptable and shall be replaced by the CONTRACTOR at his own cost.

c. Videotaping

As a means of insuring that pipe laying was properly done and that all joints are in a "home" position, the CONTRACTOR shall provide for videotaping of ten (10) percent of the pipe footage laid (pipe 36" diameter and smaller), with no less than one manhole run being televised on each project. The ENGINEER shall indicate which pipe runs are to be videotaped. The videotaping shall be done no sooner than thirty (30) days after sewer installation is complete. The CONTRACTOR shall provide twenty-four (24) hours notice to both the OWNER and ENGINEER prior to videotaping so that a representative may be present. A satisfactory review of the videotape by the ENGINEER shall be a condition for sewer acceptance by the OWNER. Typical items to be reviewed on the videotape will include pipe deflection, pipe settlement, connections, joints and pipe cleanliness. If the videotape review reveals unsatisfactory conditions, the CONTRACTOR shall correct the conditions at his own cost and shall re-videotape the affected pipe sections for review by the ENGINEER.

End of Section

REQUEST FOR PROPOSAL

#6881

Main Street Sidewalk Improvements

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Northfield Township

FOR

Washtenaw County
Office of Community & Economic Development

Issued By:

Washtenaw County Purchasing
Administration Building
220 N. Main Street
Ann Arbor, MI 48104

Angela O. Perry
Purchasing Manager
(734) 222-6768

Proposal Submitted by:

_____

Please type Bidder's Company Name & **include as proposal cover**

WASHTENAW COUNTY
Finance Department

Purchasing Division

220 N. Main, Ann Arbor, MI 48104
Phone (734) 222-6760, Fax (734) 222-6764
www.purchasing.ewashtenaw.org

RFP #6881

Month, Date, Year (bid solicitation date)

Washtenaw County Purchasing Division on behalf of Washtenaw County Office of Community and Economic Development (OCED) (Washtenaw County Department) is issuing a sealed RFP #6881for construction of new ADA compliant concrete sidewalks between existing sidewalks, new ADA compliant crosswalks of intersecting streets in the project corridor, new ADA compliant sidewalk ramps, including one Rectangular Rapid Flashing Beacon-signaled crosswalk. Effective July 1, 2015, the County has a new Local Vendor Preference (LVP) policy. Federal funded programs, whether they are receiving the funds directly or as a State pass through are exempt from the LVP policy as mandated by the Federal Register 2 CFR Chapter I, Chapter II Part 200 section 200.319 Competition 7(b) effective December 26, 2014. The project described in this RFP is federally funded and, therefore, exempt from the LVP policy. This project is being supported by Community Development Block Grant (CDBG) funds.

Sealed Proposals: Vendor will deliver one (1) **unbound original** and three (3) **bound copies each with the pricing page flagged** to the County location specified below. In addition, vendor will also deliver an electronic copy on a USB drive, CD-RW, or DVD in pdf format to the location specified below:

Washtenaw County
Administration Building
Purchasing Division
220 N. Main St. Basement
Ann Arbor, MI 48104

By MAY 11, 2016 at 3:00pm EST

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A **Mandatory Pre Bid meeting** will be held at the Northfield Township Office, 8350 Main Street, #A, Whitmore Lake, MI 48189 on Friday April 22, 2016 at 10:00AM.

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Proposals received after the above cited time will be considered a late bid and are not acceptable unless waived by the Purchasing Manager.

- Your proposal submission envelope(s) must be clearly marked *including FedEx & UPS package labels* **"SEALED RFP#6881"**
- Please direct purchasing and procedural questions regarding this RFP to Angela O. Perry **via e-mail only** to perrya@ewashtenaw.org.
- Please direct technical questions regarding this RFP to Dept contact **via e-mail only** at **Lindsay Wallace, Management Analyst, at wallacel@ewashtenaw.org.**

Thank you for your interest.

BID #6881 Main Street Sidewalk Improvements – Northfield Township

PROPOSAL INFORMATION

I. PROPOSAL DEFINITIONS

Definitions

"Bidder"	An individual or business submitting a bid to Washtenaw County
"Contractor/Vendor"	One who contracts to perform services in accordance with a contract
"County"	Washtenaw County in Michigan
"Department"	Office of Community & Economic Development

II. TERMS

A. Washtenaw County reserves the right to reject any and all proposals received as a result of this RFP. If a proposal is selected, it will be the most advantageous regarding price, quality of service, the CONTRACTORS qualifications and capabilities to provide the specified service, and other factors that the County may consider. The County does not intend to award a contract fully on the basis of any response made to the proposal; the County reserves the right to consider proposals for modifications at any time before a contract would be awarded and negotiations would be undertaken with that CONTRACTOR whose proposal is deemed to best meet the County's specifications and needs.

B. The County reserves the right to reject any or all bids, to waive or not waive informalities or irregularities in bids or bidding procedures, and to accept or further negotiate cost, terms, or conditions of any bid determined by the County to be in the best interests of the County even though not the lowest bid.

C. Proposals must be signed by an official authorized to bind the CONTRACTOR to its provisions for at least a period of 90 days. Failure of the successful bidder to accept the obligation of the contract may result in the cancellation of any award.

D. In the event it becomes necessary to revise any part of the RFP, addenda will be provided. Deadlines for submission of RFP's may be adjusted to allow for revisions. To be considered, **one (1) unbound original and three (3) copies** and an electronic version in pdf format, submitted on CD-RW, DVD or USB drive must be at the County as indicated on or before the date specified.

E. Proposals should be prepared simply and economically providing a straight-forward, concise description of the CONTRACTOR'S ability to meet the requirements of the RFP. Proposals must be typed. No erasures are permitted. Mistakes may be crossed out and corrected and must be initialed in ink by the person signing the proposal. *CONTRACTOR shall ensure that proposals are submitted using both sides of recycled paper whenever practicable.*

F. The initial award of this contract shall be for a period of 1 year(s), with an option to renew an additional six months(s), pending agreement by both parties.

G. CONFLICT OF INTEREST. Contractor warrants that to the best of contractor's knowledge, there exists no actual or potential conflict between contractor and the County, and its Services under this request, and in the event of change in either contractor's private interests or Services under this request, contractor will inform the County regarding possible conflict of interest which may arise as a result of the change. Contractor also affirms that, to the best of contractor's knowledge, there exists no actual or potential conflict between a County employee and Contractor.

H. The bidder shall be responsible for all costs incurred in the development and submission of this response. Washtenaw County assumes no contractual obligation as a result of the issuance of this RFP, the preparation or submission of a response by a bidder, the evaluation of an accepted response, or the selection of finalists. All proposals, including attachments, supplementary materials, addenda, etc. shall become the property of Washtenaw County and will not be returned to the bidder.

I. Any responses, materials, correspondence, or documents provided to Washtenaw County under this solicitation are subject to the State of Michigan Freedom of Information Act and may be released to third parties in compliance with that Act.

J. Local Vendor Preference – A policy adopted by the Washtenaw County Board of Commissioners (BOC) that shall govern the procurement of goods, services and food from local vendors located in Washtenaw County and the State of Michigan. The intent of the BOC is to encourage and promote economic growth and regional job development. The policy shall be applied to Washtenaw County operated programs as allowed, except those that are federally funded directly or indirectly. All other Procurement Policies and Procedures remain in full effect.

K. Vendor Appeal Process – Unsuccessful bidders may appeal an award of contract, lease or purchase order to the County Administrator. All appeals shall be made in writing to the County Administrator within five (5) business days of the Notice to Award. The County Administrator shall take necessary actions to review the appeals and respond to the individual submitting an appeal within five (5) business days. This response shall be documented in writing in the bid file.

BID #6881 Main Street Sidewalk Improvements – Northfield Township

III. VENDOR SPECIFICATIONS

The proposal shall include **all** of the following information. Failure to include all of the required information may result in disqualification of a Bidder.

Comment [JR1]: Is a bid bond and/or bid guarantee required to be submitted with each bid?

A. State the bidder's qualifications to provide the services required by Washtenaw County. Include years in business under your present company name, staff profile and experience.

(Attach as Addendum A)

B. List three (3) references from previous corporate or government customers purchasing similar services. Include business name, contact name and phone number.

(Attach as Addendum B)

C. Review contract provisions and insurance requirements. Note any limitations on any of the articles or providing insurance requirements as outlined in the contract provisions contained in Sample Contract.

(Attach as Addendum C)

IV. AWARD

Award will be made to the lowest responsive, responsible bidder, with the most relevant experience and best qualifications. However, the award may not be based solely on low bid alone.

V. SCOPE OF WORK

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The work to be done under this Contract includes the furnishing of all materials, equipment, and labor necessary to construct the proposed sidewalk and pedestrian crossings as well as all necessary earthwork, cleaning and restoration in accordance with the plans and specifications.

++++++++++++++Type your specifications here++++++++++++++

VI. SAMPLE STANDARD PROVISIONS FOR CONTRACTS

If a contract is awarded, the selected contractor will be required to adhere to a set of general contract provisions which will become a part of any formal agreement. These provisions are general principles which apply to all contractors of service to Washtenaw County such as the following:

SERVICE CONTRACT - FEDERAL FUNDED CR_____

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

AGREEMENT is made this ----------_day of ---------- , 2016, by the COUNTY OF WASHTENAW, a municipal corporation, with offices located in the County Administration Building, 220 North Main Street, Ann Arbor, Michigan 48107("County") and ***(NAME OF CONTRACTOR)*** located at ***(CONTRACTOR'S ADDRESS)*** ("Contractor").

Federal Awarding Agency	
Federal / State Contract Number	
Federal Program Title	
CFDA Number	
Federal Funding %	

In consideration of the promises below, the parties mutually agree as follows:

ARTICLE I - SCOPE OF SERVICES

The Contractor will ~~***(SPELL OUT SCOPE OF SERVICE)***~~ The work to be done under this Contract includes the furnishing of all materials, equipment, and labor necessary to construct the proposed sidewalk and pedestrian crossings as well as all necessary earthwork, cleaning and restoration in accordance with the plans and specifications.

ARTICLE II - COMPENSATION

Upon completion of the above services and submission of invoices the County will pay the Contractor an amount not to exceed ***(SPELL OUT DOLLAR AMOUNT)*** in accordance with specifications described in RFP # _____.

Comment [JR2]: We have the project setup as a unit price bid where the contractor is paid for each item of work described in the bid form and quantities are tracked by the engineer. This language under article II appears to be a lump sum payment basis.

Comment [JR3]: General contract questions regarding items I did not see in the RFP:

Is there a performance bond and payment bond required? We would typically require this from a contractor.

Is there a maintenance and guarantee (warranty) bond required? We would typically include this with construction projects.

Is there a contractor's affidavit, declaration, and/or sworn statement required for payments to the contractor and any sub-contractors?

ARTICLE III - REPORTING OF CONTRACTOR

Section 1 - The Contractor is to report to ***(DEPARTMENT HEAD TITLE)*** and will cooperate and confer with him/her as necessary to insure satisfactory work progress.

Section 2 - All reports, estimates, memoranda and documents submitted by the Contractor must be dated and bear the Contractor's name.

Section 3 - All reports made in connection with these services are subject to review and final approval by the County Administrator.

Section 4 - The County may review and inspect the Contractor's activities during the term of this contract.

Section 5 - When applicable, the Contractor will submit a final, written report to the County Administrator.

Section 6 - After reasonable notice to the Contractor, the County may review any of the Contractor's internal records, reports, or insurance policies.

ARTICLE IV - TERM

BID #6881 Main Street Sidewalk Improvements – Northfield Township

This contract begins on ***(MONTH, DAY, YEAR)*** and ends on ***(MONTH, DAY, YEAR)***, *with an option to extend an additional _____ year(s).*

Comment [JR4]: We include specific dates for construction start, substantial completion, and final completion. See my supplemental instructions to bidders document.

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ARTICLE V - PERSONNEL

Section 1 - The contractor will provide the required services and will not subcontract or assign the services without the County's written approval.

Section 2 - The Contractor will not hire any County employee for any of the required services without the County's written approval.

Section 3 - The parties agree that all work done under this contract shall be completed in the United States and that none of the work will be partially or fully completed by either an offshore subcontractor or offshore business interest either owned or affiliated with the contractor. For purposes of this contract, the term, "offshore" refers to any area outside the contiguous United States, Alaska or Hawaii.

ARTICLE VI - INDEPENDENT CONTRACTOR

Contractor and the County shall, at all times, be deemed to be independent contractors and nothing herein shall be construed to create or imply that there exists between the parties a partnership, joint venture or other business organization. Contractor shall hold no authority, express or implied, to commit, obligate or make representations on behalf of the County and shall make no representation to others to the contrary.

Nothing herein is intended nor shall be construed for any purpose as creating the relationship of employer and employee or agent and principal between the parties. Except as otherwise specified in this contract, Contractor retains the sole right and obligation to direct, control or supervise the details and means by which the services under this contract are provided.

Contractor shall not be eligible for, or participate in, any insurance, pension, workers' compensation insurance, profit sharing or other plans established for the benefit of the County's employees. Contractor shall be solely responsible for payment of all taxes arising out of the Contractor's activities in connection with this Agreement, including, without limitation, federal and state income taxes, social security taxes, unemployment insurance taxes and any other tax or business license fees as required. The County shall not be responsible for withholding any income or employment taxes whatsoever on behalf of the Contractor.

ARTICLE VII - INDEMNIFICATION AGREEMENT

The contractor will protect, defend and indemnify Washtenaw County, its officers, agents, servants, volunteers and employees from any and all liabilities, claims, liens, fines, demands and costs, including legal fees, of whatsoever kind and nature which may result in injury or death to any persons, including the Contractor's own employees, and for loss or damage to any property, including property owned or in the care, custody or control of Washtenaw County in connection with or in any way incident to or arising out of the occupancy, use, service, operations, performance or non-performance of work in connection with this contract resulting in whole or in part from negligent acts or omissions of contractor, any sub-contractor, or any employee, agent or representative of the contractor or any sub-contractor.

ARTICLE VIII - INSURANCE REQUIREMENTS

The Contractor will maintain at its own expense during the term of this Contract, the following insurance:

1. Workers' Compensation Insurance with Michigan statutory limits and Employers Liability Insurance with a minimum limit of $100,000 each accident for any employee.

2. Commercial General Liability Insurance with a combined single limit of $1,000,000 each occurrence for bodily injury and property damage. The County shall be added as "additional insured" on general liability policy with respect to the services provided under this contract.

3. Automobile Liability Insurance covering all owned, hired and nonowned vehicles with Personal Protection Insurance and Property Protection Insurance to comply with the provisions of the Michigan No Fault Insurance Law, including residual liability insurance with a minimum combined single limit of $1,000,000 each accident for bodily injury and property damage. For transportation services contracts, the County shall be added as additional insured on automobile liability policy with respect to the services provided under this contract.

Insurance companies, named insureds and policy forms may be subject to the approval of the Washtenaw County Administrator, if requested by the County Administrator. Such approval shall not be unreasonably withheld. Insurance policies shall not contain endorsements or policy conditions which reduce coverage provided to Washtenaw County. Contractor shall be responsible to Washtenaw County or insurance companies insuring Washtenaw County for all costs resulting from both financially unsound insurance companies selected by Contractor and their inadequate insurance coverage. Contractor shall furnish the Washtenaw County Administrator with satisfactory certificates of insurance or a certified copy of the policy, if requested by the County Administrator.

No payments will be made to the Contractor until the current certificates of insurance have been received and approved by the Administrator. If the insurance as evidenced by the certificates furnished by the Contractor expires or is canceled during the term of the contract, services and related payments will be suspended. Contractor shall furnish certification of insurance evidencing such coverage and endorsements at least ten (10) working days prior to commencement of services under this contract. Certificates shall be addressed to the Washtenaw County c/o: ***INSERT DEPARTMENT, ADDRESS, CITY, STATE & ZIP CODE AND CR#_____***, and shall provide for written notice to the Certificate holder of cancellation of coverage.

ARTICLE IX - COMPLIANCE WITH LAWS AND REGULATIONS

The Contractor will comply with all federal, state and local regulations, including but not limited to all applicable OSHA/MIOSHA requirements and the Americans with Disabilities Act.

ARTICLE X - INTEREST OF CONTRACTOR AND COUNTY

The Contractor promises that it has no interest which would conflict with the performance of services required by this contract. The Contractor also promises that, in the performance of this contract, no officer, agent, employee of the County of Washtenaw, or member of its governing bodies, may participate in any decision relating to this contract which

affects his/her personal interest or the interest of any corporation, partnership or association in which he/she is directly or indirectly interested or has any personal or pecuniary interest. However, this paragraph does not apply if there has been compliance with the provisions of Section 3 of Act No. 317 of the Public Acts of 1968 and/or Section 30 of Act No. 156 of Public Acts of 1851, as amended by Act No. 51 of the Public Acts of 1978, whichever is applicable.

ARTICLE XI - CONTINGENT FEES

The Contractor promises that it has not employed or retained any company or person, other than bona fide employees working solely for the Contractor, to solicit or secure this contract, and that it has not paid or agreed to pay any company or person, other than bona fide employees working solely for the Contractor, any fee, commission, percentage, brokerage fee, gifts or any other consideration contingent upon or resulting from the award or making of this contract. For breach of this promise, the County may cancel this contract without liability or, at its discretion, deduct the full amount of the fee, commission, percentage, brokerage fee, gift or contingent fee from the compensation due the Contractor.

ARTICLE XII – DEBARMENT AND SUSPENSION

By signing this Contract, Contractor assures the County that it will comply with Federal Regulation 45 CFR Part 76 and certifies that to the best of its knowledge and belief the Contractor and any subcontractors retained by Contractor:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any federal department or contractor;

2. Have not within a three-year period preceding this Contract been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property;

3. Are not presently indicted or otherwise criminally or civilly charged by a government entity (federal, state or local) with commission of any of the offenses enumerated in section 2, and ;

4. Have not within a three-year period preceding this Contract had one or more public transactions (federal, state or local) terminated for cause or default.

ARTICLE XIII – LOBBYING

By signing this contract, Contractor assures the County that it will comply with Section 1352, Title 31 of the U.S. Code (pertaining to not using federal monies to influence federal contracting and financial transactions). The Contractor assures the County that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the Contractor, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the making of any Federal grant, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal grant or cooperative agreement;

2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal grant or cooperative agreement, the Contractor shall complete and submit Standard Form - LLL, Disclosure of Lobbying Activities," in accordance with its instructions;

3. This language shall be included in the award documents for all subawards at all tiers (including subgrants, contracts under grants and cooperative agreements, and subcontracts) and that all sub-recipients shall certify and disclose accordingly.

ARTICLE XIV - DRUG-FREE WORKPLACE

Grantees Other Than Individuals

A. As required by the Drug-Free Workplace Act of 1988, the Contractor assures the County that it will or will continue to provide a drug-free workplace by:
   a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
   b) Establishing an on-going drug-free awareness program to inform employees about—
      1) The dangers of drug abuse in the workplace;
      2) The grantee's policy of maintaining a drug-free workplace;
      3) Any available drug counseling, rehabilitation, *and* employee assistance programs; and
      4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
   c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);
   d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will—
      1) Abide by the terms of the statement; and
      2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;
   e) Notifying the County, in writing, within 10 calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to the County;
   f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted—
      1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
      2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;
   g) Making a good faith effort to continue to maintain a drug- free workplace through implementation of paragraphs (a), (b), (c), (d), (e), and (f).

Grantees Who Are Individuals

As required by the Drug-Free Workplace Act of 1988:

A. As a condition of the grant, the Contractor assures the County that it will not engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in conducting any activity with the grant; and

B. If convicted of a criminal drug offense resulting from a violation occurring during the conduct of any grant activity, the Contractor agrees to report the conviction, in writing, within 10 calendar days of the conviction, to the County.

ARTICLE XV - FEDERAL PROCUREMENT STANDARDS

The Contractor assures the County that it will follow federal procurement standards as described in the Code of Federal Regulations Part 215 Subpart C – Post-Award Requirements, Procurement Standards, Sections 215.40-48 when procuring goods or services with federal funds to insure that procurement decisions are made ethically and with free and open competition among those providing the goods or services.

ARTICLE XVI - EQUAL EMPLOYMENT OPPORTUNITY

The Contractor will not discriminate against any employee or applicant for employment because of race, creed, color, sex, sexual orientation, national origin, physical handicap, age, height, weight, marital status, veteran status, religion and political belief (except as it relates to a bona fide occupational qualification reasonably necessary to the normal operation of the business).

The Contractor will take affirmative action to eliminate discrimination based on sex, race, or a handicap in the hiring of applicant and the treatment of employees. Affirmative action will include, but not be limited to: Employment; upgrading, demotion or transfer; recruitment advertisement; layoff or termination; rates of pay or other forms of compensation; selection for training, including apprenticeship.

The Contractor agrees to post notices containing this policy against discrimination in conspicuous places available to applicants for employment and employees. All solicitations or advertisements for employees, placed by or on the behalf of the Contractor, will state that all qualified applicants will receive consideration for employment without regard to race, creed, color, sex, sexual orientation, national origin, physical handicap, age, height, weight, marital status, veteran status, religion and political belief.

ARTICLE XVII - LIVING WAGE

The parties understand that the County has enacted a Living Wage Ordinance that requires covered vendors who execute a service or professional service contract with the County to pay their employees under that contract, a minimum of either $12.00 per hour with benefits or $14.07 per hour without benefits. Contractor agrees to comply with this Ordinance in paying its employees. Contractor understands and agrees that an adjustment of the living wage amounts, based upon the Health and Human Services poverty guidelines, will be made on or before April 30, 2016 and annually thereafter which amount shall be automatically incorporated into this contract. County agrees to give Contractor thirty (30) days written notice of such change. Contractor agrees to post a notice containing the County's Living Wage requirements at a location at its place of business accessed by its employees.

ARTICLE XVIII - EQUAL ACCESS

The Contractor shall provide the services set forth in Article I without discrimination on the basis of race, color, religion, national origin, sex, sexual orientation, marital status, physical handicap, or age.

ARTICLE XIX - OWNERSHIP OF DOCUMENTS AND PUBLICATION

All documents developed as a result of this contract will be freely available to the public. None may be copyrighted by the Contractor. During the performance of the services, the Contractor will be responsible for any loss of or damage to the documents while they are in its possession and must restore the loss or damage at its expense. Any use of the information and results of this contract by the Contractor must reference the project sponsorship by the County. Any publication of the information or results must be co-authored by the County.

ARTICLE XX - ASSIGNS AND SUCCESSORS

This contract is binding on the County and the Contractor, their successors and assigns. Neither the County nor the Contractor will assign or transfer its interest in this contract without the written consent of the other.

ARTICLE XXI - TERMINATION OF CONTRACT

Section 1 - Termination without cause. Either party may terminate the contract by giving thirty (30) days written notice to the other party.

Section 2 - In the event of any breach or default by the County or the Contractor of the terms and conditions of this Agreement, the party not in default will give written notice to the party in default specifying the acts and/or omissions constituting the alleged default or breach; if within fifteen (15) working days after issuance of such notice, the party in default has failed to cure such default, then in that event, the party not in default may terminate this Agreement and exercise such other rights as are provided herein and by law for breach of contract; provided, however, that if the alleged default can be cured by the performance of work or repairs or by some act, the performance of which requires a period of time, such default will be determined to have been cured if, within the above-referenced fifteen (15) working days, the party allegedly in default has begun to cure the default and continues until such default is cured within a reasonable time.

ARTICLE XXII - PAYROLL TAXES

The Contractor is responsible for all applicable state and federal social security benefits and unemployment taxes and agrees to indemnify and protect the County against such liability.

ARTICLE XXIII- PRACTICE AND ETHICS

The parties will conform to the code of ethics of their respective national professional associations.

ARTICLE XXIV- CHANGES IN SCOPE OR SCHEDULE OF SERVICES

Changes mutually agreed upon by the County and the Contractor, will be incorporated into this contract by written amendments signed by both parties.

ARTICLE XXV - CHOICE OF LAW AND FORUM

This contract is to be interpreted by the laws of Michigan. The parties agree that the proper forum for litigation arising out of this contract is in Washtenaw County, Michigan.

ARTICLE XXVI-FEDERALLY REQUIRED PROVISIONS

When applicable, the following provisions shall apply to contracts funded in whole, or in part, by federal award monies:

For "federally assisted construction contracts" as defined by 41 CFR Part 60-1.3, Contractor must comply with the equal opportunity clause provided under 41 CFR 60—1.4(b), in accordance with Executive Order 11246, "Equal Employment Opportunity (30 FR 12319, 12935, 3 CFR Part, 1964—1965 Comp., p. 339), as amended by Executive Order 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and implementing regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor."

For all prime construction contracts exceeding $2,000.00 awarded by non-Federal entities, Contractor shall comply with the Davis-Bacon Act (40 U.S.C. 3141—3144, and 3146—3148), as supplemented by Department of Labor regulations (29 CFR Part 5, "Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction"). Contractor must pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, Contractor must be paid wages not less than once a week. The parties agree that the County will report all suspected or reported violations of this provision to the Federal awarding agency.

In addition, Contractor must also comply with the Copeland "Anti-Kickback Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Bidding or Public Work Financed in Whole or in Part by Loans or Grants from the United States") which prohibits Contractor or Subrecipient from inducing, by any means, any person employed in the construction, completion or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. County shall report all suspected or reported violations to the Federal awarding agency.

If this contract exceeds $100,000.00 and involves the employment of mechanics or laborers, Contractor shall comply with U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). To that extent, Contractor must compute the wages of each mechanic and laborer on the basis of a standard forty (40) hour work week with hours exceeding this standard to be paid at one and one half the standard hourly rate. In addition, Contractor agrees that no mechanic or laborer shall be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous.

If the Federal award funding this Agreement meets the definition of "funding agreement" under 37 CFR, Sec. 401.2(a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental or research work under that funding agreement, the recipient or subrecipient must comply with 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency.

If this Agreement and/or subgrant exceeds $150,000.00, Contractor shall comply with all applicable standards, orders and/or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387).

The parties agree that the County shall report all violations of these Acts to the Federal awarding agency and the Regional Office of the Environmental Protection Agency ("EPA").

Contractor agrees to comply with all mandatory standards and policies relating to energy efficiency which are contained in the State of Michigan's energy conservation plan issued in compliance with the Energy Policy and Conservation Act. (42 U.S.C. 6201).

Contractor agrees to comply with the provisions of the Byrd Anti-Lobbying Amendment (31 U.S.C. Section 1352), which prohibits the use of federal funds by the Contractor or subcontractor of a Federal contract, grant, loan or cooperative agreement to pay any person to influence or attempt to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress or an employee of a member of Congress in connection with the federal funds awarded under this Agreement.

The parties agree that County and Contractor shall comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include, for those items where the purchase price exceeds $10,000.00 or the value of the quantity acquired by the preceding fiscal year exceeded $10,000.00, procuring only items designated in guidelines of the EPA at 40 CFR, Part 247, that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program to procuring recovered materials identified in the EPA guidelines.

ARTICLE XXVII - EXTENT OF CONTRACT

This contract represents the entire agreement between the parties and supersedes all prior representations, negotiations or agreements whether written or oral.

ATTESTED TO:

By:----------
Lawrence Kestenbaum (DATE)
County Clerk/Register

WASHTENAW COUNTY

Gregory Dill (DATE)
County Administrator

APPROVED AS TO CONTENT:

By: ----------
(DEPARTMENT HEAD) (DATE)

CONTRACTOR

(CONTRACTOR'S NAME) (DATE)

APPROVED AS TO FORM:

By: ----------
Curtis N. Hedger (DATE)
Office of Corporation Counsel

BID #6881 Main Street Sidewalk Improvements – Northfield Township

~~PRICE SHEET~~Bid Form

Item	Description	Estimated Quantity		Unit Price	Amount
1	Mobilization, Max 10%	1	Ea	$	$
2	Traffic Control	1	LS	$	$
3	Station Grading	9.4	Sta	$	$
4	Pavt, Rem	24	Syd	$	$
5	Sidewalk, Rem	9	Syd	$	$
6	Erosion Control, Silt Fence	929	Ft	$	$
7	Culv, CMP, 12 inch	35	Ft	$	$
8	Culv End Sect, CMP, 12 inch	4	Ea	$	$
9	Reconstruct Sanitary Structure	2	Ea	$	$
10	Sand Subbase, CL II	156	Ton	$	$
11	Sidewalk, Conc, 4 inch	4132	Sft	$	$
12	Sidewalk Ramp, Conc, 6 inch	100	Sft	$	$
13	Sidewalk, Conc, 6 inch	525	Sft	$	$
14	Irrigation Line	100	Ft	$	$
15	Remove and Reset Irrigation Head	10	Ea	$	$
16	Post, Steel, 3 lb	16	Ft	$	$
17	Sign, Type IIIB	12	Sft	$	$
18	RRFB Assembly	2	Ea	$	$
19	Pavt Mrkg, Ovly Cold Plastic, 6 inch, White	66	Ft	$	$
20	Pavt Mrkg, Ovly Cold Plastic, 12 inch, White	60	Ft	$	$
21	Pavt Mrkg, Ovly Cold Plastic, Ped	2	Ea	$	$
22	Pavt Mrkg, Ovly Cold Plastic, Xing	2	Ea	$	$
23	Turf Establishment	1	LS	$	$
24	Digital Video Recorded Survey	1	LS	$	$

DRAFT

BID #6881 Main Street Sidewalk Improvements – Northfield Township

Total Bid Amount (ITEM 1-24 incl.): $

SAMPLE

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Wage Determination

BID #6881 Main Street Sidewalk Improvements – Northfield Township

General Decision Number: MI160001 02/26/2016 MI1

Superseded General Decision Number: MI20150001

State: Michigan

Construction Types: Highway (Highway, Airport & Bridge xxxxx and Sewer/Incid. to Hwy.)

Counties: Michigan Statewide.

Note: Under Executive Order (EO) 13658, an hourly minimum wage of $10.15 for calendar year 2016 applies to all contracts subject to the Davis-Bacon Act for which the solicitation was issued on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least $10.15 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2016. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/08/2016
1	01/15/2016
2	02/26/2016

CARP0004-004 06/01/2013

REMAINDER OF STATE

	Rates	Fringes
CARPENTER (Piledriver).....	$ 25.34	17.37

CARP0004-005 06/01/2013

LIVINGSTON (Townships of Brighton, Deerfield, Genoa, Hartland, Oceola & Tyrone), MACOMB, MONROE, OAKLAND, SANILAC, ST. CLAIR AND WAYNE COUNTIES

	Rates	Fringes
CARPENTER (Piledriver).....	$ 28.09	24.31

BID #6881 Main Street Sidewalk Improvements – Northfield Township

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ELEC0017-005 06/01/2015

STATEWIDE

	Rates	Fringes
Line Construction		
Groundman/Driver	$ 27.24	12.70
Journeyman Signal Tech, Communications Tech, Tower Tech & Fiber Optic Splicers	$ 36.97	15.37
Journeyman Specialist	$ 42.52	16.89
Operator A	$ 31.32	13.82
Operator B	$ 29.27	13.26

Classifications

Journeyman Specialist: Refers to a crew of only one person working alone.
Operator A: Shall be proficient in operating all power equipment including: Backhoe, Excavator, Directional Bore and Boom/Digger truck.
Operator B: Shall be proficient in operating any 2 of the above mentioned pieces of equipment listed under Operator A.

ENGI0324-003 06/01/2015

ALCONA, ALPENA, ARENAC, BAY, CHEBOYGAN, CLARE, CLINTON, CRAWFORD, GENESEE, GLADWIN, GRATIOT, HURON, INGHAM, IOSCO, ISABELLA, JACKSON, LAPEER, LENAWEE, LIVINGSTON, MACOMB, MIDLAND, MONROE, MONTMORENCY, OAKLAND, OGEMAW, OSCODA, OTSEGO, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLAIR, SANILAC, SHIAWASSEE, TUSCOLA, WASHTENAW AND WAYNE COUNTIES:

	Rates	Fringes
OPERATOR: Power Equipment (Steel Erection)		
GROUP 1	$ 43.82	22.05
GROUP 2	$ 44.82	22.05
GROUP 3	$ 42.32	22.05
GROUP 4	$ 43.32	22.05
GROUP 5	$ 40.82	22.05
GROUP 6	$ 41.82	22.05
GROUP 7	$ 40.55	22.05
GROUP 8	$ 41.55	22.05
GROUP 9	$ 40.10	22.05

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

GROUP 10	$ 41.10	22.05
GROUP 11	$ 39.37	22.05
GROUP 12	$ 40.37	22.05
GROUP 13	$ 39.01	22.05
GROUP 14	$ 40.01	22.05
GROUP 15	$ 38.37	22.05
GROUP 16	$ 36.67	22.05
GROUP 17	$ 31.56	22.05
GROUP 18	$ 30.15	22.05

FOOTNOTE:

Paid Holidays: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Engineer when operating combination of boom and jib 400' or longer

GROUP 2: Engineer when operating combination of boom and jib 400' or longer on a crane that requires an oiler

GROUP 3: Engineer when operating combination of boom and jib 300' or longer

GROUP 4: Engineer when operating combination of boom and jib 300' or longer on a crane that requires an oiler

GROUP 5: Engineer when operating combination of boom and jib 220' or longer

GROUP 6: Engineer when operating combination of boom and jib 220' or longer on a crane that requires an oiler

GROUP 7: Engineer when operating combination of boom and jib 140' or longer

GROUP 8: Engineer when operating combination of boom and jib 140' or longer on a crane that requires an oiler

GROUP 9: Tower crane & derrick operator (where operator's work station is 50 ft. or more above first sub-level)

GROUP 10: Tower crane & derrick operator (where operator's work station is 50 ft. or more above first sub-level) on a crane that requires an oiler

GROUP 11: Engineer when operating combination of boom and jib 120' or longer

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

GROUP 12: Engineer when operating combination of boom and jib 120' or longer on a crane that requires an oiler

GROUP 13: Crane operator; job mechanic and 3 drum hoist and excavator

GROUP 14: Crane operator on a crane that requires an oiler

GROUP 15: Hoisting operator; 2 drum hoist and rubber tired backhoe

GROUP 16: Forklift and 1 drum hoist

GROUP 17: Compressor or welder operator

GROUP 18: Oiler

ENGI0324-004 06/01/2014

AREA 1: ALLEGAN, BARRY, BERRIEN, BRANCH, CALHOUN, CASS, EATON, HILLSDALE, IONIA, KALAMAZOO, KENT, LAKE, MANISTEE, MASON, MECOSTA, MONTCALM, MUSKEGON, NEWAYGO, OCEANA, OSCEOLA, OTTAWA, ST. JOSEPH, VAN BUREN

AREA 2: ANTRIM, BENZIE, CHARLEVOIX, EMMET, GRAND TRAVERSE, KALKASKA, LEELANAU, MISSAUKEE AND WEXFORD COUNTIES:

	Rates	Fringes
OPERATOR: Power Equipment (Steel Erection)		
AREA 1		
GROUP 1	$ 29.44	21.70
GROUP 2	$ 29.19	21.70
GROUP 3	$ 28.69	21.70
GROUP 4	$ 23.59	21.70
GROUP 5	$ 21.94	21.70
GROUP 6	$ 19.34	21.70
AREA 2		
GROUP 1	$ 29.44	21.70
GROUP 2	$ 29.19	21.70
GROUP 3	$ 28.19	21.70
GROUP 4	$ 23.29	21.70
GROUP 5	$ 21.64	21.70
GROUP 6	$ 18.84	21.70

FOOTNOTES:

Crane operator with main boom and jib 300' or longer: $1.50

SAMPLE

additional to the group 1 rate. Crane operator with main boom and jib 400' or longer: $3.00 additional to the group 1 rate.
PAID HOLIDAYS: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS:

GROUP 1: Crane Operator with main boom & jib 400', 300', or 220' or longer.

GROUP 2: Crane Operator with main boom & jib 140' or longer, Tower Crane; Gantry Crane; Whirley Derrick.

GROUP 3: Regular Equipment Operator, Crane, Dozer, Loader, Hoist, Straddle Wagon, Mechanic, Grader and Hydro Excavator.

GROUP 4: Air Tugger (single drum), Material Hoist Pump 6" or over, Elevators, Brokk Concrete Breaker.

GROUP 5: Air Compressor, Welder, Generators, Conveyors

GROUP 6: Oiler and fire tender

ENGI0324-005 09/01/2015

AREA 1: GENESEE, LAPEER, LIVINGSTON, MACOMB, MONROE, OAKLAND, ST. CLAIR, WASHTENAW AND WAYNE COUNTIES

AREA 2: ALCONA, ALLEGAN, ALGER, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KWEENAW, LAKE, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, SANILAC, SCHOOLCRAFT, SHIAWASSEE, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

	Rates	Fringes
OPERATOR: Power Equipment (Underground construction (including sewer))		
AREA 1:		
GROUP 1.....	$ 31.43	21.85

BID #6881 Main Street Sidewalk Improvements – Northfield Township

GROUP 2	$ 26.45	21.85
GROUP 3	$ 25.72	21.85
GROUP 4	$ 25.15	21.85
AREA 2:		
GROUP 1	$ 29.47	21.85
GROUP 2	$ 24.58	21.85
GROUP 3	$ 24.08	21.85
GROUP 4	$ 23.80	21.85

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Backfiller tamper; Backhoe; Batch plant operator (concrete); Clamshell; Concrete paver (2 drums or larger); Conveyor loader (Euclid type); Crane (crawler, truck type or pile driving); Dozer; Dragline; Elevating grader; Endloader; Gradall (and similar type machine); Grader; Mechanic; Power shovel; Roller (asphalt); Scraper (self-propelled or tractor drawn); Side boom tractor (type D-4 or equivalent and larger); Slip form paver; Slope paver; Trencher (over 8 ft. digging capacity); Well drilling rig; Concrete pump with boom operator; Hydro Excavator

GROUP 2: Boom truck (power swing type boom); Crusher; Hoist; Pump (1 or more - 6-in. discharge or larger - gas or diesel- powered or powered by generator of 300 amperes or more - inclusive of generator); Side boom tractor (smaller than type D-4 or equivalent); Tractor (pneu-tired, other than backhoe or front end loader); Trencher (8-ft. digging capacity and smaller);Vac Truck

GROUP 3: Air compressors (600 cfm or larger); Air compressors (2 or more-less than 600 cfm); Boom truck (non-swinging, non- powered type boom); Concrete breaker (self-propelled or truck mounted - includes compressor); Concrete paver (1 drum-l/2 yd. or larger); Elevator (other than passenger); Maintenance person; Pump (2 or more-4-in. up to 6-in. discharge-gas or diesel powered - excluding submersible pumps); Pumpcrete machine (and similar equipment); Wagon drill (multiple); Welding machine or generator (2 or more-300 amp. or larger - gas or diesel powered)

GROUP 4: Boiler; Concrete saw (40 hp or over); Curing machine (self-propelled); Farm tractor (with attachment); Finishing machine (concrete); Fire person; Hydraulic pipe pushing machine; Mulching equipment; Oiler; Pumps (2 or more up to 4-in. discharge, if used 3 hours or more a day, gas or diesel powered - excluding submersible pumps); Roller (other than asphalt); Stump remover; Trencher (service); Vibrating compaction equipment, self-propelled (6 ft. wide or over); End dump operator; Sweeper (Wayne type); Water

BID #6881 Main Street Sidewalk Improvements – Northfield Township

wagon and Extend-a boom forklift

ENGI0324-006 06/01/2015

AREA 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES
AREA 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

	Rates	Fringes
Power equipment operators: (AIRPORT, BRIDGE & HIGHWAY CONSTRUCTION)		
AREA 1		
GROUP 1	$ 31.16	22.35
GROUP 2	$ 24.43	22.35
GROUP 3	$ 25.73	22.35
GROUP 4	$ 23.87	22.35
GROUP 5	$ 23.70	22.35
AREA 2		
GROUP 1	$ 31.16	22.35
GROUP 2	$ 24.28	22.35
GROUP 3	$ 25.58	22.35
GROUP 4	$ 23.72	22.35
GROUP 5	$ 23.40	22.35

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Asphalt plant operator; Crane operator (does not include work on bridge construction projects when the crane operator is erecting structural components); Dragline operator; Shovel operator; Locomotive operator; Paver operator (5 bags or more); Elevating grader operator; Pile driving operator; Roller operator (asphalt); Blade grader operator; Trenching machine operator (ladder or wheel type); Auto-grader; Slip form paver; Self-propelled or tractor-drawn scraper; Conveyor loader operator (Euclid type); Endloader operator (1 yd. capacity and over);

Bulldozer; Hoisting engineer; Tractor operator; Finishing machine operator (asphalt); Mechanic; Pump operator (6-in. discharge or over, gas, diesel powered or generator of 300 amp. or larger); Shouldering or gravel distributing machine operator (self- propelled); Backhoe (with over 3/8 yd. bucket); Side boom tractor (type D-4 or equivalent or larger); Tube finisher (slip form paving); Gradall (and similar type machine); Asphalt paver (self- propelled); Asphalt planer (self-propelled); Batch plant (concrete-central mix); Slurry machine (asphalt); Concrete pump (3 in. and over); Roto-mill; Swinging boom truck (over 12 ton capacity); Hydro demolisher (water blaster); Farm-type tractor with attached pan

GROUP 2: Screening plant operator; Washing plant operator; Crusher operator; Backhoe (with 3/8 yd. bucket or less); Side boom tractor (smaller than D-4 type or equivalent); Sweeper (Wayne type and similar equipment); Vacuum truck operator; Batch plant (concrete dry batch)

GROUP 3: Grease Truck

GROUP 4: Air compressor operator (600 cu. ft. per min or more); Air compressor operator (two or more, less than 600 cfm); Wagon drill operator; Concrete breaker; Tractor operator (farm type with attachment)

GROUP 5: Boiler fire tender; Oiler; Fire tender; Trencher (service); Flexplane operator; Cleftplane operator; Grader operator (self-propelled fine-grade or form (concrete)); Finishing machine operator (concrete); Boom or winch hoist truck operator; Endloader operator (under 1 yd. capacity); Roller operator (other than asphalt); Curing equipment operator (self-propelled); Concrete saw operator (40 h.p. or over); Power bin operator; Plant drier operator (asphalt); Vibratory compaction equipment operator (6 ft. wide or over); Guard post driver operator (power driven); All mulching equipment; Stump remover; Concrete pump (under 3-in.); Mesh installer (self- propelled); Tractor operator (farm type); End dump; Skid steer

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ENGI0324-007 05/01/2015

ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES:

	Rates	Fringes

BID #6881 Main Street Sidewalk Improvements – Northfield Township

OPERATOR: Power Equipment
(Steel Erection)
Compressor, welder and
forklift.....$ 25.21 22.05
Crane operator, main boom
& jib 120' or longer.....$ 29.96 22.05
Crane operator, main boom
& jib 140' or longer.....$ 29.21 22.05
Crane operator, main boom
& jib 220' or longer.....$ 29.46 22.05
Mechanic with truck and
tools.....$ 29.96 22.05
Oiler and fireman.....$ 23.91 22.05
Regular operator.....$ 28.46 22.05

ENGI0324-008 10/01/2015

ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MACOMB, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MONROE, MUSKEGON, NEWAYGO, OAKLAND, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN, WASHTENAW, WAYNE AND WEXFORD COUNTIES

Rates Fringes

OPERATOR: Power Equipment
(Sewer Relining)
GROUP 1.....$ 30.70 12.93
GROUP 2.....$ 29.17 12.93

SEWER RELINING CLASSIFICATIONS

GROUP 1: Operation of audio-visual closed circuit TV system, including remote in-ground cutter and other equipment used in connection with the CCTV system

GROUP 2: Operation of hot water heaters and circulation systems, water jetters and vacuum and mechanical debris removal systems

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ENGI0325-012 05/01/2015

BID #6881 Main Street Sidewalk Improvements – Northfield Township

AREA 1: MACOMB, MONROE, OAKLAND, ST. CLAIR, WASHTENAW AND WAYNE COUNTIES

AREA 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

	Rates	Fringes
Power equipment operators - gas distribution and duct installation work:		
AREA 1		
GROUP 1	$ 28.73	22.30
GROUP 2	$ 28.60	22.30
GROUP 3	$ 27.48	22.30
GROUP 4	$ 26.90	22.30
AREA 2		
GROUP 1	$ 27.82	22.30
GROUP 2-A	$ 27.72	22.30
GROUP 2-B	$ 27.50	22.30
GROUP 3	$ 26.72	22.30
GROUP 4	$ 26.22	22.30

SCOPE OF WORK: The construction, installation, treating and reconditioning of pipelines transporting gas vapors within cities, towns, subdivisions, suburban areas, or within private property boundaries, up to and including private meter settings of private industrial, governmental or other premises, more commonly referred to as "distribution work," starting from the first metering station, connection, similar or related facility, of the main or cross country pipeline and including duct installation.

AREA 1:

GROUP 1: Backhoe, crane, grader, mechanic, dozer (D-6 equivalent or larger), side boom (D-4 equivalent or larger), trencher(except service), endloader (2 yd.

capacity or greater).
GROUP 2: Dozer (less than D-6 equivalent), endloader (under 2 yd. capacity), side boom (under D-4 capacity), backfiller, pumps (1 or 2 of 6-inch discharge or greater), boom truck (with powered boom), tractor (wheel type other than backhoe or front endloader).

GROUP 3: Tamper (self-propelled), boom truck (with non-powered boom), concrete saw (20 hp or larger), pumps (2 to 4 under 6-inch discharge), compressor (2 or more or when one is used continuously into the second day) and trencher(service).

GROUP 4: Oiler, hydraulic pipe pushing machine, grease person and hydrostatic testing operator.

AREA 2:

GROUP 1: Mechanic, crane (over 1/2 yd. capacity), backhoe (over 1/2 yd. capacity), grader (Caterpillar 12 equivalent or larger)

GROUP 2-A: Trencher(except service), backhoe (1/2 yd. capacity or less)

GROUP 2-B: Crane (1/2 yd. capacity or less), compressor (2 or more), dozer (D-4 equivalent or larger), endloader (1 yd. capacity or larger), pump (1 or 2 six-inch or larger), side boom (D-4 equivalent or larger)

GROUP 3: Backfiller, boom truck (powered), concrete saw (20 hp or larger), dozer (less than D-4 equivalent), endloader (under 1 yd. capacity), farm tractor (with attachments), pump (2 - 4 under six-inch capacity), side boom tractor(less than D-4 equivalent), tamper (self-propelled), trencher service and grader maintenance

GROUP 4: Oiler, grease person and hydrostatic testing operator

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IRON0008-007 05/01/2015

ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES:

	Rates	Fringes
Ironworker - pre-engineered metal building erector.....	$ 23.70	6.95

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

IRONWORKER
General contracts
$10,000,000 or greater.....$ 26.52 24.35
General contracts less
than $10,000,000.....$ 23.11 24.35

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

IRON0025-002 06/01/2015

ALCONA, ALPENA, ARENAC, BAY, CHEBOYGAN, CLARE, CLINTON, CRAWFORD, GENESEE, GLADWIN, GRATIOT, HURON, INGHAM, IOSCO, ISABELLA, JACKSON, LAPEER, LIVINGSTON, MACOMB, MIDLAND, MONTMORENCY, OAKLAND, OGEMAW, OSCODA, OTSEGO, PRESQUE ISLE, ROSCOMMON, SAGINAW, SANILAC, SHIAWASSEE, ST. CLAIR, TUSCOLA, WASHTENAW AND WAYNE COUNTIES:

	Rates	Fringes
Ironworker - pre-engineered metal building erector Alcona, Alpena, Arenac, Cheboygan, Clare, Clinton, Crawford, Gladwin, Gratiot, Huron, Ingham, Iosco, Isabella, Jackson, Lapeer, Livingston (west of Burkhardt Road), Montmorency, Ogemaw, Oscoda, Otsego, Presque Isle, Roscommon, Sanilac, Shiawassee, Tuscola & Washtenaw (west of U.S. 23)	$ 22.17	20.13
Bay, Genesee, Lapeer, Livingston (east of Burkhardt Road), Macomb, Midland, Oakland, Saginaw, St. Clair, The University of Michigan, Washtenaw (east of U.S. 23) & Wayne	$ 23.39	21.13
IRONWORKER		
Ornamental and Structural	$ 33.78	27.84
Reinforcing	$ 28.30	24.60

IRON0055-005 07/01/2013

LENAWEE AND MONROE COUNTIES:

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

	Rates	Fringes
IRONWORKER		
Pre-engineered metal buildings	$ 23.59	19.35
All other work	$ 28.32	19.35

IRON0292-003 06/01/2015

BERRIEN AND CASS COUNTIES:

	Rates	Fringes
IRONWORKER (Including pre-engineered metal building erector)	$ 28.31	20.00

IRON0340-001 06/01/2015

ALLEGAN, ANTRIM, BARRY, BENZIE, BRANCH, CALHOUN, CHARLEVOIX, EATON, EMMET, GRAND TRAVERSE, HILLSDALE, IONIA, KALAMAZOO, KALKASKA, KENT, LAKE, LEELANAU, MANISTEE, MASON, MECOSTA, MISSAUKEE, MONTCALM, MUSKEGON, NEWAYGO, OCEANA, OSCEOLA, OTTAWA, ST. JOSEPH, VAN BUREN AND WEXFORD COUNTIES:

	Rates	Fringes
IRONWORKER (Including pre-engineered metal building erector)	$ 21.68	24.37

LABO0005-006 10/01/2014

	Rates	Fringes
Laborers - hazardous waste abatement: (ALCONA, ALPENA, ANTRIM, BENZIE, CHARLEVOIX, CHEBOYGAN, CRAWFORD, EMMET, GRAND TRAVERSE, IOSCO, KALKASKA, LEELANAU, MISSAUKEE, MONTMORENCY, OSCODA, OTSEGO, PRESQUE ISLE AND WEXFORD COUNTIES - Zone 10)		
Levels A, B or C	$ 17.45	12.75
Work performed in conjunction with site preparation not requiring the use of personal		

SAMPLE

protective equipment;
Also, Level D.....$ 16.45 12.75
Laborers - hazardous waste abatement: (ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC, MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES - Zone 11)
Levels A, B or C.....$ 20.91 12.78
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 19.91 12.78
Laborers - hazardous waste abatement: (ALLEGAN, BARRY, BERRIEN, BRANCH, CALHOUN, CASS, IONIA COUNTY (except the city of Portland); KALAMAZOO, KENT, LAKE, MANISTEE, MASON, MECOSTA, MONTCALM, MUSKEGON, NEWAYGO, OCEANA, OSCEOLA, OTTAWA, ST. JOSEPH AND VAN BUREN COUNTIES - Zone 9)
Levels A, B or C.....$ 19.99 12.75
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 18.99 12.75
Laborers - hazardous waste abatement: (ARENAC, BAY, CLARE, GLADWIN, GRATIOT, HURON, ISABELLA, MIDLAND, OGEMAW, ROSCOMMON, SAGINAW AND TUSCOLA COUNTIES - Zone 8)
Levels A, B or C.....$ 20.02 12.75
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 19.02 12.75
Laborers - hazardous waste abatement: (CLINTON, EATON AND INGHAM COUNTIES; IONIA

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

COUNTY (City of Portland);
LIVINGSTON COUNTY (west of Oak Grove Rd., including the City of Howell) - Zone 6)
Levels A, B or C.....$ 23.29 12.75
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 22.29 12.75
Laborers - hazardous waste abatement: (GENESEE, LAPEER AND SHIAWASSEE COUNTIES - Zone 7)
Levels A, B or C.....$ 23.40 12.79
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 22.40 12.79
Laborers - hazardous waste abatement: (HILLSDALE, JACKSON AND LENAWEE COUNTIES - Zone 4)
Levels A, B or C.....$ 30.00 14.09
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 29.00 14.09
Laborers - hazardous waste abatement: (LIVINGSTON COUNTY (east of Oak Grove Rd. and south of M-59, excluding the city of Howell); AND WASHTENAW COUNTY - Zone 3)
Levels A, B or C.....$ 29.32 13.85
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 28.32 13.85
Laborers - hazardous waste abatement: (MACOMB AND WAYNE COUNTIES - Zone 1)
Levels A, B or C.....$ 27.94 16.55
Work performed in

SAMPLE

conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 26.94 16.55

Laborers - hazardous waste abatement: (MONROE COUNTY - Zone 4)
Levels A, B or C.....$ 30.00 14.09

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 29.00 14.09

Laborers - hazardous waste abatement: (OAKLAND COUNTY and the Northeast portion of LIVINGSTON COUNTY bordered by Oak Grove Road on the West and M-59 on the South - Zone 2)
Level A, B, C.....$ 27.94 16.55

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 26.94 16.55

Laborers - hazardous waste abatement: (SANILAC AND ST. CLAIR COUNTIES - Zone 5)
Levels A, B or C.....$ 24.97 15.19

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 23.97 15.19

LABO0259-001 09/01/2015

AREA 1: MACOMB, OAKLAND AND WAYNE COUNTIES
AREA 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE,

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

MIDLAND, MISSAUKEE, MONROE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN, WASHTENAW AND WEXFORD COUNTIES

	Rates	Fringes
Laborers - tunnel, shaft and caisson:		
AREA 1		
GROUP 1	$ 21.57	16.68
GROUP 2	$ 21.68	16.68
GROUP 3	$ 21.74	16.68
GROUP 4	$ 21.92	16.68
GROUP 5	$ 22.17	16.68
GROUP 6	$ 22.50	16.68
GROUP 7	$ 15.78	16.68
AREA 2		
GROUP 1	$ 23.10	12.75
GROUP 2	$ 23.19	12.75
GROUP 3	$ 23.29	12.75
GROUP 4	$ 23.45	12.75
GROUP 5	$ 23.71	12.75
GROUP 6	$ 24.02	12.75
GROUP 7	$ 16.29	12.75

SCOPE OF WORK: Tunnel, shaft and caisson work of every type and description and all operations incidental thereto, including, but not limited to, shafts and tunnels for sewers, water, subways, transportation, diversion, sewerage, caverns, shelters, aquafers, reservoirs, missile silos and steel sheeting for underground construction.

TUNNEL LABORER CLASSIFICATIONS

GROUP 1: Tunnel, shaft and caisson laborer, dump, shanty, hog house tender, testing (on gas) and watchman

GROUP 2: Manhole, headwall, catch basin builder, bricklayer tender, mortar machine and material mixer

GROUP 3: Air tool operator (jackhammer, bush hammer and grinder), first bottom, second bottom, cage tender, car pusher, carrier, concrete, concrete form, concrete repair, cement invert laborer, cement finisher, concrete shoveler, conveyor, floor, gasoline and electric tool operator, gunite, grout operator, welder, heading dinky person, inside lock tender, pea gravel operator, pump, outside lock tender, scaffold, top signal person, switch person, track,

SAMPLE

tugger, utility person, vibrator, winch operator, pipe jacking, wagon drill and air track operator and concrete saw operator (under 40 h.p.)

GROUP 4: Tunnel, shaft and caisson mucker, bracer, liner plate, long haul dinky driver and well point

GROUP 5: Tunnel, shaft and caisson miner, drill runner, key board operator, power knife operator, reinforced steel or mesh (e.g. wire mesh, steel mats, dowel bars, etc.)

GROUP 6: Dynamite and powder

GROUP 7: Restoration laborer, seeding, sodding, planting, cutting, mulching and top soil grading; and the restoration of property such as replacing mailboxes, wood chips, planter boxes, flagstones, etc.

LABO0334-001 09/01/2015

	Rates	Fringes
Laborers - open cut:		
ZONE 1 - MACOMB, OAKLAND AND WAYNE COUNTIES:		
GROUP 1	$ 21.42	16.68
GROUP 2	$ 21.53	16.68
GROUP 3	$ 21.58	16.68
GROUP 4	$ 21.66	16.68
GROUP 5	$ 21.72	16.68
GROUP 6	$ 19.17	16.68
GROUP 7	$ 15.79	16.68
ZONE 2 - LIVINGSTON COUNTY (east of M-151 (Oak Grove Rd.)); MONROE AND WASHTENAW COUNTIES:		
GROUP 1	$ 22.75	12.75
GROUP 2	$ 22.86	12.75
GROUP 3	$ 22.98	12.75
GROUP 4	$ 23.05	12.75
GROUP 5	$ 23.20	12.75
GROUP 6	$ 20.50	12.75
GROUP 7	$ 17.14	12.75
ZONE 3 - CLINTON, EATON, GENESEE, HILLSDALE AND INGHAM COUNTIES; IONIA COUNTY (City of Portland); JACKSON, LAPEER AND LENAWEE COUNTIES; LIVINGSTON COUNTY (west of		

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

M-151 Oak Grove Rd.);
SANILAC, ST. CLAIR AND
SHIAWASSEE COUNTIES:

GROUP 1	$ 20.94	12.75
GROUP 2	$ 21.08	12.75
GROUP 3	$ 21.20	12.75
GROUP 4	$ 21.25	12.75
GROUP 5	$ 21.39	12.75
GROUP 6	$ 18.69	12.75
GROUP 7	$ 15.84	12.75

ZONE 4 - ALCONA, ALLEGAN,
ALPENA, ANTRIM, ARENAC,
BARRY, BAY, BENZIE,
BERRIEN, BRANCH,
CALHOUN, CASS, CHARLEVOIX,
CHEBOYGAN, CLARE,
CRAWFORD, EMMET,
GLADWIN, GRAND TRAVERSE,
GRATIOT AND HURON
COUNTIES; IONIA COUNTY
(EXCEPT THE CITY OF
PORTLAND); IOSCO,
ISABELLA, KALAMAZOO,
KALKASKA, KENT,
LAKE,LEELANAU, MANISTEE,
MASON, MECOSTA, MIDLAND,
MISSAUKEE, MONTCALM,
MONTMORENCY, MUSKEGON,
NEWAYGO, OCEANA, OGEMAW,
OSCEOLA, OSCODA, OTSEGO,
OTTAWA, PRESQUE ISLE,
ROSCOMMON, SAGINAW, ST.
JOSEPH, TUSCOLA, VAN BUREN
AND WEXFORD COUNTIES:

GROUP 1	$ 19.95	12.75
GROUP 2	$ 20.08	12.75
GROUP 3	$ 20.19	12.75
GROUP 4	$ 20.26	12.75
GROUP 5	$ 20.38	12.75
GROUP 6	$ 17.60	12.75
GROUP 7	$ 15.94	12.75

ZONE 5 - ALGER, BARAGA,
CHIPPEWA, DELTA,
DICKINSON, GOGEBIC,
HOUGHTON, IRON,
KEWEENAW, LUCE, MACKINAC,
MARQUETTE, MENOMINEE,
ONTONAGON AND SCHOOLCRAFT
COUNTIES:

GROUP 1	$ 20.26	12.75
GROUP 2	$ 20.40	12.75

SAMPLE

GROUP 3	$ 20.53	12.75
GROUP 4	$ 20.58	12.75
GROUP 5	$ 20.63	12.75
GROUP 6	$ 18.01	12.75
GROUP 7	$ 16.12	12.75

SCOPE OF WORK:

Open cut construction work shall be construed to mean work which requires the excavation of earth including industrial, commercial and residential building site excavation and preparation, land balancing, demolition and removal of concrete and underground appurtenances, grading, paving, sewers, utilities and improvements; retention, oxidation, flocculation and irrigation facilities, and also including but not limited to underground piping, conduits, steel sheeting for underground construction, and all work incidental thereto, and general excavation. For all areas except the Upper Peninsula, open cut construction work shall also be construed to mean waterfront work, piers, docks, seawalls, breakwalls, marinas and all incidental work. Open cut construction work shall not include any structural modifications, alterations, additions and repairs to buildings, or highway work, including roads, streets, bridge construction and parking lots or steel erection work and excavation for the building itself and back filling inside of and within 5 ft. of the building and foundations, footings and piers for the building. Open cut construction work shall not include any work covered under Tunnel, Shaft and Caisson work.

OPEN CUT LABORER CLASSIFICATIONS

GROUP 1: Construction laborer

GROUP 2: Mortar and material mixer, concrete form person, signal person, well point person, manhole, headwall and catch basin builder, headwall, seawall, breakwall and dock builder

GROUP 3: Air, gasoline and electric tool operator, vibrator operator, driller, pump person, tar kettle operator, bracer, rodder, reinforced steel or mesh person (e.g., wire mesh, steel mats, dowel bars, etc.), welder, pipe jacking and boring person, wagon drill and air track operator and concrete saw operator (under 40 h.p.), windlass and tugger person and directional boring person

GROUP 4: Trench or excavating grade person

GROUP 5: Pipe layer (including crock, metal pipe, multi-plate

or other conduits)

GROUP 6: Grouting man, audio-visual television operations and all other operations in connection with closed circuit television inspection, pipe cleaning and pipe relining work and the installation and repair of water service pipe and appurtenances

GROUP 7: Restoration laborer, seeding, sodding, planting, cutting, mulching and top soil grading; and the restoration of property such as replacing mailboxes, wood chips, planter boxes, flagstones, etc.

LABO0465-001 06/01/2015

LABORER: Highway, Bridge and Airport Construction

AREA 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES

AREA 2: ALLEGAN, BARRY, BAY, BERRIEN, BRANCH, CALHOUN, CASS, CLINTON, EATON, GRATIOT, HILLSDALE, HURON, INGHAM, JACKSON, KALAMAZOO, LAPEER, LENAWEE, LIVINGSTON, MIDLAND, MUSKEGON, SAGINAW, SANILAC, SHIAWASSEE, ST. CLAIR, ST. JOSEPH, TUSCOLA AND VAN BUREN COUNTIES

AREA 3: ALCONA, ALPENA, ANTRIM, ARENAC, BENZIE, CHARLEVOIX, CHEBOYGAN, CLARE, CRAWFORD, EMMET, GLADWIN, GRAND TRAVERSE, IONIA, IOSCO, ISABELLA, KALKASKA, KENT, LAKE, LEELANAU, MANISTEE, MASON, MECOSTA, MISSAUKEE, MONTCALM, MONTMORENCY, NEWAYGO, OCEANA, OGEMAW, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON AND WEXFORD COUNTIES

AREA 4: ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC, MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES

	Rates	Fringes
LABORER (AREA 1)		
GROUP 1	$ 25.06	13.00
GROUP 2	$ 25.19	13.00
GROUP 3	$ 25.37	13.00
GROUP 4	$ 25.45	13.00
GROUP 5	$ 25.66	13.00
GROUP 6	$ 25.96	13.00
LABORER (AREA 2)		
GROUP 1	$ 23.06	12.95
GROUP 2	$ 23.26	12.95

GROUP 3	$ 23.50	12.95
GROUP 4	$ 23.85	12.95
GROUP 5	$ 23.72	12.95
GROUP 6	$ 24.06	12.95
LABORER (AREA 3)		
GROUP 1	$ 22.31	12.95
GROUP 2	$ 22.52	12.95
GROUP 3	$ 22.81	12.95
GROUP 4	$ 23.25	12.95
GROUP 5	$ 22.87	12.95
GROUP 6	$ 23.30	12.95
LABORER (AREA 4)		
GROUP 1	$ 22.31	12.95
GROUP 2	$ 22.52	12.95
GROUP 3	$ 22.81	12.95
GROUP 4	$ 23.25	12.95
GROUP 5	$ 22.87	12.95
GROUP 6	$ 23.30	12.95

LABORER CLASSIFICATIONS

GROUP 1: Asphalt shoveler or loader; asphalt plant misc.; burlap person; yard person; dumper (wagon, truck, etc.); joint filling laborer; miscellaneous laborer; unskilled laborer; sprinkler laborer; form setting laborer; form stripper; pavement reinforcing; handling and placing (e.g., wire mesh, steel mats, dowel bars); mason's tender or bricklayer's tender on manholes; manhole builder; headwalls, etc.; waterproofing,(other than buildings) seal coating and slurry mix, shoring, underpinning; pressure grouting; bridge pin and hanger removal; material recycling laborer; horizontal paver laborer (brick, concrete, clay, stone and asphalt); ground stabilization and modification laborer; grouting; waterblasting; top person; railroad track and trestle laborer; carpenters' tender; guard rail builders' tender; earth retention barrier and wall and M.S.E. wall installer's tender; highway and median installer's tender(including sound, retaining, and crash barriers); fence erector's tender; asphalt raker tender; sign installer; remote control operated equipment.

GROUP 2: Mixer operator (less than 5 sacks); air or electric tool operator (jackhammer, etc.); spreader; boxperson (asphalt, stone, gravel); concrete paddler; power chain saw operator; paving batch truck dumper; tunnel mucker (highway work only); concrete saw (under 40 h.p.) and dry pack machine; roto-mill grounds person.

GROUP 3: Tunnel miner (highway work only); finishers tenders; guard rail builders; highway and median barrier installer; earth retention barrier and wall and M.S.E. wall

installer's (including sound, retaining and crash barriers); fence erector; bottom person; powder person; wagon drill and air track operator; diamond and core drills; grade checker; certified welders; curb and side rail setter's tender.

GROUP 4: Asphalt raker

GROUP 5: Pipe layers, oxy-gun

GROUP 6: Line-form setter for curb or pavement; asphalt screed checker/screw man on asphalt paving machines.

LABO1076-005 04/01/2015

MICHIGAN STATEWIDE

	Rates	Fringes
LABORER (DISTRIBUTION WORK)		
Zone 1	$ 19.77	12.75
Zone 2	$ 18.15	12.75
Zone 3	$ 16.38	12.75
Zone 4	$ 15.75	12.75
Zone 5	$ 15.75	12.75

DISTRIBUTION WORK - The construction, installation, treating and reconditioning of distribution pipelines transporting coal, oil, gas or other similar materials, vapors or liquids, including pipelines within private property boundaries, up to and including the meter settings on residential, commercial, industrial, institutional, private and public structures. All work covering pumping stations and tank farms not covered by the Building Trades Agreement. Other distribution lines with the exception of sewer, water and cable television are included.

Underground Duct Layer Pay: $.40 per hour above the base pay rate.

Zone 1 - Macomb, Oakland and Wayne
Zone 2 - Monroe and Washtenaw
Zone 3 - Bay, Genesee, Lapeer, Midland, Saginaw, Sanilac, Shiawassee and St. Clair
Zone 4 - Alger, Baraga, Chippewa, Delta, Dickinson, Gogebic, Houghton, Iron, Keweenaw, Luce, Mackinac, Marquette, Menominee, Ontonagon and Schoolcraft
Zone 5 - Remaining Counties in Michigan

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

PAIN0022-002 07/01/2008

HILLSDALE, JACKSON AND LENAWEE COUNTIES; LIVINGSTON COUNTY (east of the eastern city limits of Howell, not including the city of Howell, north to the Genesee County line and south to the Washtenaw County line); MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES:

	Rates	Fringes
PAINTER	$ 25.06	14.75

FOOTNOTES: For all spray work and journeyman rigging for spray work, also blowing off, $0.80 per hour additional (applies only to workers doing rigging for spray work on off the floor work. Does not include setting up or moving rigging on floor surfaces, nor does it apply to workers engaged in covering up or tending spray equipment. For all sandblasting and spray work performed on highway bridges, overpasses, tanks or steel, $0.80 per hour additional. For all brushing, cleaning and other preparatory work (other than spraying or steeplejack work) at scaffold heights of fifty (50) feet from the ground or higher, $0.50 per hour additional. For all preparatorial work and painting performed on open steel under forty (40) feet when no scaffolding is involved, $0.50 per hour additional. For all swing stage work-window jacks and window belts-exterior and interior, $0.50 per hour additional. For all spray work and sandblaster work to a scaffold height of forty (40) feet above the floor level, $0.80 per hour additional. For all preparatorial work and painting on all highway bridges or overpasses up to forty (40) feet in height, $0.50 per hour additional. For all steeplejack work performed where the elevation is forty (40) feet or more, $1.25 per hour additional.

PAIN0312-001 06/12/2014

EXCLUDES: ALLEGAN COUNTY (Townships of Dorr, Fillmore, Heath, Hopkins, Laketown, Leighton, Manlius, Monterey, Overisel, Salem, Saugatuck and Wayland); INCLUDES: Barry, Berrien, Branch, Calhoun, Cass, Hillsdale, Kalamazoo, St. Joseph, Van Buren

	Rates	Fringes
PAINTER		
Brush and roller	$ 21.75	11.94

BID #6881 Main Street Sidewalk Improvements – Northfield Township

		Spray, Sandblast, Sign Painting
	Rates	Fringes
PAINTER	$ 22.75	11.94

PAIN0845-003 05/21/2014

CLINTON COUNTY; EATON COUNTY (does not include the townships of Bellevue and Olivet); INGHAM COUNTY; IONIA COUNTY (east of Hwy. M 66); LIVINGSTON COUNTY (west of the eastern city limits of Howell, including the city of Howell, north to the Genesee County line and south to the Washtenaw County line); AND SHIAWASSEE COUNTY (Townships of Bennington, Laingsbury and Perry):

	Rates	Fringes
PAINTER	$ 21.89	11.85

PAIN0845-015 05/21/2014

MUSKEGON COUNTY; NEWAYGO COUNTY (except the Townships of Barton, Big Prairie, Brooks, Croton, Ensley, Everett, Goodwell, Grant, Home, Monroe, Norwich and Wilcox); OCEANA COUNTY; OTTAWA COUNTY (except the townships of Allendale, Blendone, Chester, Georgetown, Holland, Jamestown, Olive, Park, Polkton, Port Sheldon, Tallmadge, Wright and Zeeland):

	Rates	Fringes
PAINTER	$ 21.89	11.85

PAIN0845-018 05/21/2014

ALLEGAN COUNTY (Townships of Dorr, Fillmore, Heath, Hopkins, Laketown, Leighton, Manlius, Monterey, Overisel, Salem, Saugatuck and Wayland); IONIA COUNTY (west of Hwy. M-66); KENT, MECOSTA AND MONTCALM COUNTIES; NEWAYGO COUNTY (Townships of Barton, Big Prairie, Brooks, Croton, Ensley, Everett, Goodwell, Grant, Home, Monroe, Norwich and Wilcox); OSCEOLA COUNTY (south of Hwy. #10); OTTAWA COUNTY (Townships of Allendale, Blendone, Chester, Georgetown, Holland, Jamestown, Olive, Park, Polkton, Port Sheldon, Tallmadge, Wright and Zeeland):

	Rates	Fringes
PAINTER	$ 21.89	11.85

FOOTNOTES: Lead abatement work: $1.00 per hour additional.

BID #6881 Main Street Sidewalk Improvements – Northfield Township

PAIN1011-003 06/05/2014

ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC, MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES:

	Rates	Fringes
PAINTER	$ 24.15	10.52

FOOTNOTES: High pay (bridges, overpasses, watertower): 30 to 80 ft.: $.65 per hour additional. 80 ft. and over: $1.30 per hour additional.

PAIN1474-002 06/01/2010

HURON COUNTY; LAPEER COUNTY (east of Hwy. M-53); ST. CLAIR, SANILAC AND TUSCOLA COUNTIES:

	Rates	Fringes
PAINTER	$ 23.79	12.02

FOOTNOTES: Lead abatement work: $1.00 per hour additional. Work with any hazardous material: $1.00 per hour additional. Sandblasting, steam cleaning and acid cleaning: $1.00 per hour additional. Ladder work at or above 40 ft., scaffold work at or above 40 ft., swing stage, boatswain chair, window jacks and all work performed over a falling height of 40 ft.: $1.00 per hour additional. Spray gun work, pick pullers and those handling needles, blowing off by air pressure, and any person rigging (setting up and moving off the ground): $1.00 per hour additional. Steeplejack, tanks, gas holders, stacks, flag poles, radio towers and beacons, power line towers, bridges, etc.: $1.00 per hour additional, paid from the ground up.

PAIN1803-003 12/01/2015

ALCONA, ALPENA, ANTRIM, ARENAC, BAY, BENZIE, CHARLEVOIX, CHEBOYGAN, CLARE, CRAWFORD, EMMET, GLADWIN, GRAND TRAVERSE, GRATIOT, IOSCO, ISABELLA, KALKASKA, LAKE, LEELANAU, MANISTEE, MASON, MIDLAND, MISSAUKEE, MONTMORENCY AND OGEMAW COUNTIES; OSCEOLA COUNTY (north of Hwy. #10); OSCODA, OTSEGO, PRESQUE ISLE, ROSCOMMON, SAGINAW AND WEXFORD COUNTIES:

Draft

BID #6881 Main Street Sidewalk Improvements – Northfield Township

	Rates	Fringes
PAINTER		
Work performed on water, bridges over water or moving traffic, radio and powerline towers, elevated tanks, steeples, smoke stacks over 40 ft. of falling heights, recovery of lead-based paints and any work associated with industrial plants, except maintenance of industrial		
plants	$ 24.50	13.25
All other work, including maintenance of industrial		
plant	$ 23.08	13.25

FOOTNOTES: Spray painting, sandblasting, blowdown associated with spraying and blasting, water blasting and work involving a swing stage, boatswain chair or spider: $1.00 per hour additional. All work performed inside tanks, vessels, tank trailers, railroad cars, sewers, smoke stacks, boilers or other spaces having limited egress not including buildings, opentop tanks, pits, etc.: $1.25 per hour additional.

PLAS0514-001 06/01/2014

ZONE 1: GENESEE, LIVINGSTON, MACOMB, MONROE, OAKLAND, SAGINAW, WASHTENAW AND WAYNE COUNTIES

ZONE 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SANILAC, SCHOOLCRAFT, SHIAWASSEE, ST. CLAIR, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

	Rates	Fringes

BID #6881 Main Street Sidewalk Improvements – Northfield Township

CEMENT MASON/CONCRETE FINISHER
ZONE 1.....$ 29.59 12.59
ZONE 2.....$ 28.29 12.59

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* PLUM0190-003 05/01/2015

ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MACOMB, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MONROE, MUSKEGON, NEWAYGO, OAKLAND, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN, WASHTENAW, WAYNE AND WEXFORD COUNTIES

	Rates	Fringes
Plumber/Pipefitter - gas distribution pipeline: Welding in conjunction with gas distribution pipeline work	$ 33.03	20.19
All other work:	$ 24.19	12.28

TEAM0007-004 06/01/2015

AREA 1: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, SANILAC, SCHOOLCRAFT, SHIAWASSEE, ST. CLAIR, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

AREA 2: GENESEE, LIVINGSTON, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES

	Rates	Fringes

BID #6881 Main Street Sidewalk Improvements – Northfield Township

TRUCK DRIVER
AREA 1
Euclids, double bottoms
and lowboys.....$ 25.05 .50 + a+b
Trucks under 8 cu. yds.....$ 24.80 .50 + a+b
Trucks, 8 cu. yds. and
over.....$ 24.90 .50 + a+b
AREA 2
Euclids, double bottomms
and lowboys.....$ 24.895 .50 + a+b
Euclids, double bottoms
and lowboys.....$ 25.15 .50 + a+b
Trucks under 8 cu. yds.....$ 24.90 .50 + a+b
Trucks, 8 cu. yds. and
over.....$ 25.00 .50 + a+b

Footnote:
a. $419.45 per week
b. $59.50 daily

TEAM0247-004 06/01/2004

AREA 1: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SANILAC, SCHOOLCRAFT, SHIAWASSEE, SAGINAW, ST. CLAIR, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

AREA 2: GENESEE, LIVINGSTON, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES

	Rates	Fringes
Sign Installer		
AREA 1		
GROUP 1	$ 20.18	.15 + a
GROUP 2	$ 19.93	.15 + a
AREA 2		
GROUP 1	$ 21.73	.15 + a
GROUP 2	$ 21.48	.15 + a

FOOTNOTE:

a. $132.70 per week, plus $17.80 per day.

SIGN INSTALLER CLASSIFICATIONS:

GROUP 1: performs all necessary labor and uses all tools required to construct and set concrete forms required in the installation of highway and street signs

GROUP 2: performs all miscellaneous labor, uses all hand and power tools, and operates all other equipment, mobile or otherwise, required for the installation of highway and street signs

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TEAM0247-010 04/01/2015

AREA 1: LAPEER AND SHIAWASSEE COUNTIES

AREA 2: GENESEE, MACOMB, MONROE, OAKLAND, ST. CLAIR, WASHTENAW AND WAYNE COUNTIES

	Rates	Fringes
TRUCK DRIVER (Underground construction)		
AREA 1		
GROUP 1	$ 22.37	405.90/wk+59.50/day
GROUP 2	$ 22.46	405.90/wk+59.50/day
GROUP 3	$ 22.67	405.90/wk+59.50/day
AREA 2		
GROUP 1	$ 22.67	405.90/wk+59.50/day
GROUP 2	$ 22.81	405.90/wk+59.50/day
GROUP 3	$ 23.00	405.90/wk+59.50/day

PAID HOLIDAYS: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

SCOPE OF WORK: Excavation, site preparation, land balancing, grading, sewers, utilities and improvements; also including but not limited to, tunnels, underground piping, retention, oxidation, flocculation facilities, conduits, general excavation and steel sheeting for underground construction. Underground construction work shall not include any structural modifications, alterations, additions and repairs to buildings or highway work, including roads, streets, bridge construction and parking lots or steel erection.

TRUCK DRIVER CLASSIFICATIONS

BID #6881 Main Street Sidewalk Improvements – Northfield Township

GROUP 1: Truck driver on all trucks (EXCEPT dump trucks of 8 cubic yards capacity or over, pole trailers, semis, low boys, Euclid, double bottom and fuel trucks)

GROUP 2: Truck driver on dump trucks of 8 cubic yards capacity or over, pole trailers, semis and fuel trucks

GROUP 3: Truck driver on low boy, Euclid and double bottom

SUMI2002-001 05/01/2002

	Rates	Fringes
Flag Person	$ 10.10	0.00
LINE PROTECTOR (ZONE 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE)	$ 18.98	12.17
LINE PROTECTOR (ZONE 2: STATEWIDE (EXCLUDING GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE)	$ 17.14	12.17
Pavement Marking Machine (ZONE 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES) Group 1	$ 24.89	12.17
Pavement Marking Machine (ZONE 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE) Group 2	$ 22.40	12.17
Pavement Marking Machine (ZONE 2: STATEWIDE (EXCLUDING GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES) Group 1	$ 22.89	12.17
Pavement Marking Machine (ZONE 2: STATEWIDE (EXCLUDING GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE) Group 2	$ 20.60	12.17

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

WORK CLASSIFICATIONS:

PAVEMENT MARKER GROUP 1: Drives or operates a truck mounted striper, grinder, blaster, groover, or thermoplastic melter for the placement or removal of temporary or permanent pavement markings or markers.

PAVEMENT MARKER GROUP 2: Performs all functions involved for the placement or removal of temporary or permanent pavement markings or markers not covered by the classification of Pavement Marker Group 1 or Line Protector.

LINE PROTECTOR: Performs all operations for the protection or removal of temporary or permanent pavement markings or markers in a moving convoy operation not performed by the classification of Pavement Marker Group 1. A moving convoy operation is comprised of only Pavement Markers Group 1 and Line Protectors.

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example:

CANCELLED

BID #6881 Main Street Sidewalk Improvements – Northfield Township

PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

BID #6881 Main Street Sidewalk Improvements – Northfield Township

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WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

BID #6881 Main Street Sidewalk Improvements – Northfield Township

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

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SIGNATURE PAGE

Signature	Company Name
Print Name	Company Address
Title	City, County, St. Zip
Office Telephone #	Cell Phone #
Federal Tax ID #	Email Address for Purchase Orders

The above individual is authorized to sign on behalf of company submitting proposal.

Proposals must be signed by an official authorized to bind the provider to its provisions for at least a period of 90 days. Signature page must be signed, boxes checked below, and returned as part of vendor proposal.

☐ By signing this bid submission, I certify that I and/or my corporation, company, limited liability company, business association, partnership, society, trust or any other non-governmental entity, organization or group is not an "Iran linked business" as defined by P.A. 517 of 2012 (MCLA 129.311 et seq)("Act").

I understand that under the Act, an "Iran linked business means an individual or one of the above-listed groups who engages in investment activities in the energy sector of Iran, including, but not limited to, providing oil or liquefied natural gas tankers or products used to construct or maintain pipelines used to transport oil or liquefied gas for Iran's energy sector or a financial institution extending credit to another person to engage in investment activities in Iran's energy sector.

I further understand that "investment activity" is defined by the Act as an individual or one of the above listed groups that invests $20,000,000.00 or more in Iran's energy sector or a financial institution that extends credit to another person, if that person uses the credit to engage in "investment activity" in Iran's energy sector.

SAMPLE

GENERAL SPECIFICATIONS

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1. EXISTING UNDERGROUND STRUCTURES & UTILITIES

The location of public or private utilities shown on the plans is in accordance with the best information available. No guarantee is given that the locations are absolutely accurate or that utilities other than those shown are not present.

For protection of underground utilities, the CONTRACTOR shall contact "MISS DIG" at 1-800-482-7171 a minimum of three (3) working days prior to excavating. This does not relieve the CONTRACTOR of the responsibility of notifying utility OWNERs who may not be part of the "MISS DIG" alert system.

2. SOIL CONDITIONS

If soil borings have been taken for this project, then they are included in an appendix.

Where the OWNER has caused soil borings to be made to aid the ENGINEER in design of the work, these boring logs are provided herein for the prospective bidder to examine. This information is given to bidders as an aid in determining the character of the soil and groundwater conditions. The OWNER does not guarantee that the ground encountered during construction will conform to the borings. Bidders should secure such other information as they consider necessary to check and supplement the above data.

The CONTRACTOR shall complete the work in whatever materials, and under whatever conditions he may encounter or create.

3. SOIL EROSION AND SEDIMENTATION CONTROL

The CONTRACTOR shall comply with the requirements of the Soil Erosion and Sedimentation Control Act of the State of Michigan, Part 91 of ACT 451 of PA of 1994 and with all the requirements, rules and standards of the official enforcing agent for the project location.

If a soil erosion control permit is required on this project, the CONTRACTOR shall adhere to the specific conditions of the project permit. Where the permit is issued in the name of the CONTRACTOR and requires that a bond be posted, the

CONTRACTOR shall include in his bid the permit fee and bond expense.

The ENGINEER shall have full authority to require compliance with the soil erosion control requirements and may order suspension of the work if measures are not adequate or a problem develops requiring additional soil erosion control measures. Any ordered suspension of the work shall not be grounds for CONTRACTOR's claims for "down time" or "lost time".

4. PRESERVATION, PROTECTION & USE OF SURVEY CONTROLS, MONUMENT POINTS & GRADE STAKES

During the progress of the work, the CONTRACTOR may encounter section line, fractional section line, and property controlling corner monuments. Insofar as is known, such public land survey corners and property monuments have been indicated on the plans.

The CONTRACTOR shall be responsible for complying with the requirements of Michigan Public Act 34. Specifically, he shall be responsible for notifying the county surveyor before removing a public land survey corner monument for construction activities. In addition, if construction time constraints will result in the public land survey corner monument being removed for more than one year, then the CONTRACTOR shall arrange to have a temporary corner monument set until the permanent one can be re-established. The costs of removing and replacing public land survey corner monuments as well as setting temporary corner monuments shall be the responsibility of the CONTRACTOR unless pay items are provided in the bid form for these tasks. The CONTRACTOR shall not remove any such monument until the ENGINEER has witness points as reference for resetting of such monuments. After referencing has been done and suitable permanent sketches prepared, the ENGINEER will give permission to the CONTRACTOR for removal of the monument. Monuments and monument boxes shall be reset only after all backfilling has fully settled.

The CONTRACTOR shall protect and preserve all monument points, property corners, grade stakes, line and reference points. Where stakes and markers are disturbed or removed due to operations under this Contract, the CONTRACTOR shall be charged at invoice cost by the ENGINEER for replacing the points. Care shall be exercised by the CONTRACTOR when operating near the markers, as any carelessness in operations will also cause a time delay to the schedule due to additional stakeout time required to replace reference points, lines, etc.

The CONTRACTOR shall accurately locate the work from reference points established by the ENGINEER along the surface of the ground and line of work.

5. PROTECTION OF PUBLIC & PRIVATE UTILITIES

Where any utility, water, sewer, gas, telephone or any other public or private utilities are encountered, the CONTRACTOR must provide adequate protection for them, and he will be held responsible for any damages to such utilities arising from his operations.

When it is apparent that construction operations may endanger the foundation of any utility, conduit, or support of any structure, the CONTRACTOR shall notify the utility OWNER of this possibility, and he shall take such steps as may be required to provide temporary bracing or support of conduits or structures.

In all cases where permits or inspection fees are required by utilities in connection with changes to or temporary support of their conduits, the CONTRACTOR shall secure permits and pay all inspection fees.

When it is necessary in order to carry out the work that a pole, telephone or electric, be moved to a new location or moved and replaced after construction, the CONTRACTOR shall arrange for moving such pole or poles and the lines thereof, and shall pay any charges.

Where it is the policy of any utility owner to make his own repairs to damaged conduit or other structures, the CONTRACTOR shall cooperate to the fullest extent with the utility OWNER and shall see that his operations interfere as little as possible with the utility OWNER's operations.

6. MISCELLANEOUS DAMAGES

The CONTRACTOR shall be responsible for repairing all damages to existing lawns, sidewalk, parking lots, streets or other areas outside the limits of the Contract. Private utilities, private ornamental gas or electric lights, sprinkler systems, fences, shrubs, trees, existing sidewalk, or any other surface or subsurface items of value damaged by the CONTRACTOR shall be repaired, replaced or removed and replaced to at least equal condition at the CONTRACTOR's expense unless otherwise specified on the plans.

7. SUMP PUMP DISCHARGE PIPE & LOCAL SERVICES

Any discharge pipe from sump pumps or yard drains encountered on this project, whether or not shown on the plans, which discharges to existing ditches and/or storm sewers or cross public or private easements, shall be maintained, replaced, or reconnected as necessary. Bulkheads shall be placed only as approved by the Engineer. Sump pump connections shall be made to the storm drain pipe by a coring method as approved by the ENGINEER. The CONTRACTOR shall use adequate measures to prevent soil erosion, sedimentation, and/or ponding when connecting discharge pipes to existing or proposed ditches. This work shall be considered as incidental to the cost of the project.

8. EXISTING SEWER FACILITIES

Existing sewers or drains may be encountered along the line of work. In all such cases, the CONTRACTOR shall perform his operation in such a manner that sewer service will not be interrupted. He shall, at his own expense, make all temporary provisions to maintain sewer service.

Unless otherwise indicated on the plans, the CONTRACTOR shall replace, at his own expense, any disturbed sewer or drain, or relay same at a new grade to be established by the ENGINEER such that sufficient clearance for the sewer will be provided.

9. EXISTING WATER FACILITIES

Where existing water mains and/or water services are encountered in the work, they shall be maintained in operation. They shall be relayed if necessary using the class of pipe and fittings standard to the OWNER of the main.

10. EXISTING GAS FACILITIES

Where existing gas mains are encountered, the CONTRACTOR shall immediately notify the ENGINEER and the gas company. The CONTRACTOR shall then arrange with the gas company for any necessary relocation. The CONTRACTOR will receive no extra compensation on account of delays incurred in conjunction with such relocations.

11. EXISTING ELECTRIC, CABLE, AND TELECOMMUNICATIONS

Where existing electric, cable, or telecommunications facilities are encountered, the CONTRACTOR shall immediately notify the ENGINEER and the affected utility company(ies). The CONTRACTOR shall then arrange with the

utility company for any necessary relocation. The CONTRACTOR will receive no extra compensation on account of delays incurred in conjunction with such relocations.

12. PRESERVATION OF TREES & SHRUBBERY

No trees or shrubbery of any kind shall be removed or destroyed by the CONTRACTOR without written permission of the ENGINEER. The CONTRACTOR will be held fully responsible for any damages caused by his work to adjoining trees and shrubs. Ample precautions shall be taken by the CONTRACTOR to protect such trees and shrubs that are to remain in place by surrounding them with fences or other protection before construction begins. Shrubbery that must be removed shall be preserved and replaced in a manner acceptable to the OWNER.

The CONTRACTOR shall protect and/or replace all shrubbery damaged or destroyed by operations under this Contract. The CONTRACTOR shall receive no extra compensation for preservation of trees and shrubbery.

13. TRIMMING TREES & SHRUBS

Where necessary in the field, the CONTRACTOR shall trim trees and shrubs by a method approved by the ENGINEER. All cut surfaces over one inch in diameter shall be painted with grafting wax. All branches which have been damaged by construction shall be pruned correctly to branch collars, to help promote the health of the tree. Also, any abrasions or gouges afflicted on the tree trunks during construction should be bark traced and lightly coated with tree paint. This work shall be incidental to the project.

14. MAINTENANCE OF SERVICE

Drainage through existing sewers, ditches and drains shall be maintained at all times during construction, and all nearby gutters shall be kept open for drainage. Where existing sewers are encountered in the line of work that interfere with construction, the flow in the sewers, including both dry weather flow and storm flow, shall be maintained.

During the progress of the work, the CONTRACTOR shall accommodate both vehicular and foot traffic and shall provide free access to fire hydrants, water and gas valves. Except as otherwise specified herein or as noted on the plans, street intersections may be blocked but one-half at a time, and Contractor shall lay and maintain temporary driveways, bridges and crossings such as are necessary, in the opinion of the ENGINEER, to reasonably accommodate the public.

In the event detours, traffic control devices or safety equipment are needed, they shall be placed and maintained in accordance with the Michigan Manual of Uniform Traffic Control Devices (MMUTCD).

Maintenance of service as described above shall be considered as incidental to the project cost unless pay items have been included in the proposal for this work.

15. CLEANLINESS OF THE WORK SITE & STREETS

The CONTRACTOR shall keep the work site and all property occupied by him in a neat and orderly condition at all times. Waste material, rubbish and debris shall not be allowed to accumulate. The CONTRACTOR's equipment, temporary buildings and excess materials shall be promptly removed from the work site when no longer needed. At completion of the work, the premises shall be left clean.

The CONTRACTOR shall keep the streets clean. Trucks hauling excavated material, cement, sand, stone or other loose materials from or to the site shall be tight so that no spillage will occur on adjacent streets. Before trucks start away from the site, their

loads shall be trimmed and covered. If, in the judgment of the OWNER, adequate cleanup efforts are not being expended, including but not limited to, roadway, driveway and drainage maintenance, and removal of surplus materials, further construction shall be halted and work forces directed to the cleanup activity until proper order is restored. Should the CONTRACTOR continue to be negligent of his duties in maintaining proper street cleanliness, the OWNER will take necessary steps to perform such cleaning and shall charge the CONTRACTOR for all the costs.

16. DUST CONTROL

All haul roads, detour roads, temporary access roads, other public or private roads, driveways and parking lots used by the CONTRACTOR must be maintained in a dust free condition for the duration of the Contract. The control of the dust shall be accomplished by application of dust control materials and methods of application as approved and as directed by the ENGINEER. Such dust control materials shall be applied as often as is necessary to control dust. Neglect of dust control will not be tolerated.

Should the CONTRACTOR be negligent of his duties in providing dust control, the OWNER may, with or without notice cause the same to be done and deduct the cost of such work from any monies due or to become due the CONTRACTOR under the Contract. Cost of providing dust control shall be considered incidental to the project.

17. WORKING SPACE & USE OF STREETS OR PRIVATE PROPERTY

The CONTRACTOR's operations in public streets or alleys shall be confined to as small a space as practicable, so as not to cause undue inconvenience to the public or abutting properties, and shall be subject to the approval of the ENGINEER.

Where the CONTRACTOR wishes to work on or stockpile materials on nearby properties, it will be his responsibility to contact the property owner for permission. Upon request, the CONTRACTOR shall provide a copy of written permission from any affected property owner. The OWNER will not become involved with any such agreements and will not be held responsible for any damages that the CONTRACTOR may cause to private property. The CONTRACTOR shall not be compensated for restoration of private properties and stockpile areas unless said areas were within the original project limits.

18. EASEMENTS

Prior to the start of construction, the CONTRACTOR shall verify with the OWNER that any required easements have been obtained.

The CONTRACTOR shall keep his work operations within these easements and shall be responsible for complying with any easement conditions that are shown on the plans or stated in the Contract documents.

19. POWER & LIGHT

The CONTRACTOR shall furnish, at his own expense, all the electric power and lighting necessary during the life of this Contract or until such time as the OWNER takes over the work. The CONTRACTOR shall be responsible for complying with any applicable ordinances or regulations concerning power and light.

20. WATER

Unless otherwise allowed by the OWNER, the CONTRACTOR shall furnish, at his own expense, all the water necessary during the life of this Contract or until such time as the OWNER takes over the work.

The CONTRACTOR shall not make a connection to any public water main or fire

hydrant without first obtaining the necessary permit and/or meter from the OWNER.

Existing public water systems shall be operated and controlled by the OWNER. All valves shall be operated exclusively by the OWNER's personnel.

The CONTRACTOR shall not make any connection to or obtain water from a private water source without obtaining written permission from the owner of the water source. The CONTRACTOR shall provide a copy of the written permission to the OWNER upon request.

21. WEATHER PROTECTION & HEATING

The CONTRACTOR shall provide and maintain weather protection and heating at his own expense to properly protect the work under construction from damage if weather conditions require. This work shall include all windbreaks, insulating cover, and other necessary measures required to provide protection from freezing.

The CONTRACTOR shall continue to provide weather protection and heating as necessary until such time as the OWNER takes over the work.

22. RAILROAD CROSSING

Where the work crosses a railroad right-of way, the CONTRACTOR shall secure Railroad Company approval of his methods and schedule of operation. The CONTRACTOR shall carry out his work in strict accordance with the standards of the Railroad Company. The CONTRACTOR shall pay any inspection, signal or flagman costs.

23. OWNERSHIP OF SALVAGED MATERIALS

All salvageable materials such as castings, hydrants, valves, culverts and similar items removed during construction shall remain the property of the OWNER. The CONTRACTOR shall deliver these salvaged materials to the OWNER's public works facility. If the OWNER indicates that he does not want the salvaged items, then the CONTRACTOR shall be responsible for disposal of the items.

End of Section

CONSULTING
GROUP

July 1, 2015

Mr. Jacob Rushlow
Project Manager
OHM Advisors
34000 Plymouth Road
Livonia, Michigan 48150

RE: Letter of Geotechnical Investigation
Main Street Sidewalk Project
Northfield Township, Michigan
G2 Project No. 153128

Dear Mr. Rushlow:

In accordance with your request, we have completed the geotechnical investigation for the proposed sidewalk to be constructed on Main Street in Northfield Township, Michigan. We understand the proposed project includes the construction of two non-contiguous sections of pavement extending northward from an existing sidewalk for approximately 800 linear feet on the east side of Main Street. The proposed sidewalk will generally support pedestrian traffic.

The purpose of our investigation is to determine and evaluate the subsurface conditions along the proposed sidewalk alignment and to develop recommendations for the support of the proposed sidewalk and to recommend a pavement design cross section.

FIELD OPERATIONS

G2 Consulting Group, LLC (G2) in conjunction with OHM Advisors, selected the number, depth, and location of the hand augered soil borings. Soil boring locations were determined in the field by a G2 representative by use of GPS assisted mobile technology. The approximate soil boring locations are shown on the Soil Boring Location Plan, Plate No. 1 in the appendix. Ground surface elevations at the soil boring locations were approximated from information accessible within Google Earth Pro.

Soil borings were excavated by use of a 3-inch inside diameter hand auger. Within each soil boring, soil samples were taken at regular 2 foot intervals or where a transition in the subsurface soil conditions were noted. The soil samples were placed in sealed containers and brought to our laboratory for classification and testing. A Dynamic Cone Penetrometer (DCP) test was performed within each soil boring at depths of 2 and 4 feet below existing grades to evaluate the consistency of the subsurface soil. DCP testing involved driving a 1-1/2 inch diameter cone with a 45° convex angle into the ground using a 15-pound weight dropped 20 inches after the cone has been seated into the bottom of the soil boring. The DCP is driven in successive 1-3/4 inch increments. The blow counts for each 1-3/4 inch increment are presented on the individual hand-auger soil boring logs.

During the excavation operations, a G2 representative maintained logs of the encountered subsurface soil conditions, including changes in stratigraphy and observed groundwater levels. The final soil boring logs are based on the field logs and laboratory classification and testing. After completion of the excavation operations, soil borings were backfilled with excavated soils.

LABORATORY TESTING

Representative soil samples were subjected to laboratory testing to determine soil parameters pertinent to pavement design and site preparation. An experienced geotechnical engineer classified the soil samples in general accordance with the Unified Soil Classification System (USCS).

Laboratory testing included natural moisture content and unconfined compressive strength determinations. Unconfined compressive strengths were determined by use of a hand penetrometer or a hand-held Torvane shear device. The hand penetrometer estimates the unconfined compressive strength to a maximum of 4-1/2 tons per square foot (tsf) by measuring the resistance of the soil sample to the penetration of a calibrated spring loaded cylinder. The hand held Torvane shear device estimates the shear strength of a cohesive soil to a maximum of 1 tsf by measuring the resistance of the soil sample to the applied torque of a vane seated in the soil sample. The shear strength determined by the Torvane shear device is multiplied by a factor of two to approximate the unconfined compressive strength and is presented on the soil boring log as an equivalent unconfined compressive strength.

The results of the moisture content and unconfined compressive strength determinations are indicated on the soil boring logs, Figure Nos. 1 through 4, at the depths samples were obtained. We will hold the soil samples for 60 days from the date of this report after which they will be discarded. If you would like the samples, please let us know.

SOIL AND GROUNDWATER CONDITIONS

Silty sand topsoil is present at the ground surface of the soil boring locations ranging in thickness from 12 to 16 inches. Native silty sand is present beneath the topsoil within the borings extending to depths ranging from approximately 2 to 3-1/2 feet below existing grades. Silty clay underlies the silty sand within soil borings HA-01 and HA-02 extending to the explored depths. Sandy clay is present beneath the silty sand within soil boring HA-04 extending to a depth of 3-1/2 feet. Sand is present beneath the silty sand within soil boring HA-03 and the sandy clay within HA-04 extending to the explored depth of 5 feet.

In general, the native granular soils are loose to medium compact with DCP blow counts ranging from 6 to 28 blows per 1-3/4 inch, however, are compact within HA-04 extending from 3-1/2 feet to 5 feet below existing grade with a DCP blow count of 34 blows per 1-3/4 inch. The native cohesive soils are medium to stiff in consistency with natural moisture contents ranging from 15 to 26 percent and unconfined compressive strengths ranging from 1,200 to 2,500 pounds per square foot.

Groundwater observations were made during and upon completion of excavation operations. Groundwater was observed at depths ranging from 3 feet to 3 feet 10 inches below existing grades during and upon completion of drilling operations. It should be noted that groundwater observations made during excavation operations in predominantly cohesive soils are not necessarily indicative of the static ground water levels. This is due to the low permeability of such soils and the tendency of augering operations to seal off the natural paths of groundwater flow. Additionally, fluctuations in perched and long term groundwater levels should be anticipated due to seasonal variations and following period of prolonged precipitation.

SITE CONDITIONS

The proposed pathway alignment extends northward from the terminus of the existing pathway extending northward approximately 800 linear feet. Several ADA compliant ramps will be constructed on the west and east limits of the proposed pathway. A street crossing is proposed extending from Sta. 8+00 to 8+50. An existing swale and underground utilities are present immediately to the east of the proposed alignment.

An existing topographical map was not available at the time this report was written; however, based on information accessible within Google Earth Pro, site grades appear to be within 1 foot of EL 907.5 feet along the proposed pathway alignment.

The proposed pathway alignment is bounded by Main Street to the west and residential properties to the east. Several commercial properties are present near the southern leg of the alignment and Whitmore Lake Public Schools are present near the northern leg of the alignment.

PAVEMENT RECOMMENDATIONS

General

According to the Northfield Township Code of Ordinances, Sec. 14-119.(c), sidewalks shall be concrete, four inches thick, with a six inch thickness under driveways. Based on our observations and testing of the subgrade soils within the proposed pathway alignment, the required minimum pavement cross section required by Northfield Township appears to provide adequate support for the anticipated pedestrian traffic loading. We anticipate that little site work will be done to adjust grades for the proposed pathway alignment; however, due to the presence of topsoil extending to depths of up to 16 inches, we anticipate that some grade cuts and subsequent backfilling excavations will be required.

Site Preparation

At the start of earthwork operations, the existing topsoil, vegetation, and root masses should be removed in their entirety within the proposed alignment. The exposed subgrade, anticipated to consist of silty sand throughout the alignment, should be thoroughly evaluated for stability prior to the placement of engineered fill by proof compaction with a vibratory roller. The roller should make 10 passes in each direction. Unsuitable areas exhibiting excessive instability such as rutting under construction traffic should be removed by undercutting or improved with additional compaction.

Any engineered fill placed should be an approved, environmentally clean material. We recommend that any engineered fill used for the development of the pavement subgrade be comprised of MDOT Class II sand and be placed in loose lifts not to exceed 6 inches in loose thickness. The engineered fill should be compacted to achieve a density of 95 percent of the maximum dry density as determined in the field by use of the Michigan 1-point cone or by the Modified Proctor Compaction Test (ASTM D1557). All engineered fill should be placed and compacted at the approximate optimum moisture content. Frozen materials should not be used as fill, nor should fill be placed on a frozen subgrade.

Pavement Design

We understand the proposed sidewalk will be subject to pedestrian traffic. Additionally, we anticipate that the proposed sidewalk will be subject to passenger vehicle loading in areas where the sidewalk alignment crosses existing residential driveways. Per the Northfield Township Code of Ordinances, we anticipate that the proposed pavement design cross section should provide sufficient support for the anticipate traffic conditions. The following table provides the requirements for pavement design set forth by Northfield Township:

	Minimum Cross Section Thickness (inches)	
Material	Pedestrian Walks	Pedestrian Walks Under Driveways
MDOT P1 Portland Cement Concrete	4	6
MDOT Class II Sand	4	4

Pavement Drainage and Maintenance

The pavement and subbase should be properly sloped to promote effective surface and subsurface drainage as well as prevent surface water from ponding. We also recommend pavement subbase materials consist of non-frost susceptible aggregates. Regular timely maintenance should be performed on the pavement to reduce the potential for deterioration associated with moisture infiltration through surface cracks and pavement joints. The owner should be prepared to seal the cracks with a hot-applied elastic crack-filler as soon as reasonably possible after cracking developed and as often as necessary to block the transmission of water to the subgrade soils. We recommend that crack sealing be performed on a yearly basis for pavements that are in good and fair condition to extend the serviceable life of the pavement.

GENERAL COMMENTS

If changes occur in the design, location, or concept of the project, conclusions and recommendations contained in this report are not valid unless G2 Consulting Group, LLC reviews the changes. G2 Consulting Group, LLC will then confirm any assumptions regarding the project scope presented herein or make changes in writing.

The scope of the present investigation was limited to evaluation of subsurface conditions for the proposed pedestrian sidewalk and other related aspects of the development. No chemical or environmental testing or analyses were included in the scope of this investigation.

We base the analyses and recommendations submitted in this report upon the data from the soil borings performed at the approximate locations shown on the Soil Boring Location Plan, Plate No. 1. This report does not reflect variations that may occur between the actual soil boring locations and the sidewalk alignment. The nature and extent of any such variations may not become clear until the time of construction. We recommend G2 Consulting Group, LLC observe all geotechnical related work, including subgrade preparation and engineered fill placement.

We appreciate the opportunity to be of service to you on this project and look forward to discussing the results presented. In the meantime, if you have any questions regarding this report or any other matter pertaining to the project, please call us.

Respectfully,

G2 Consulting Group, LLC

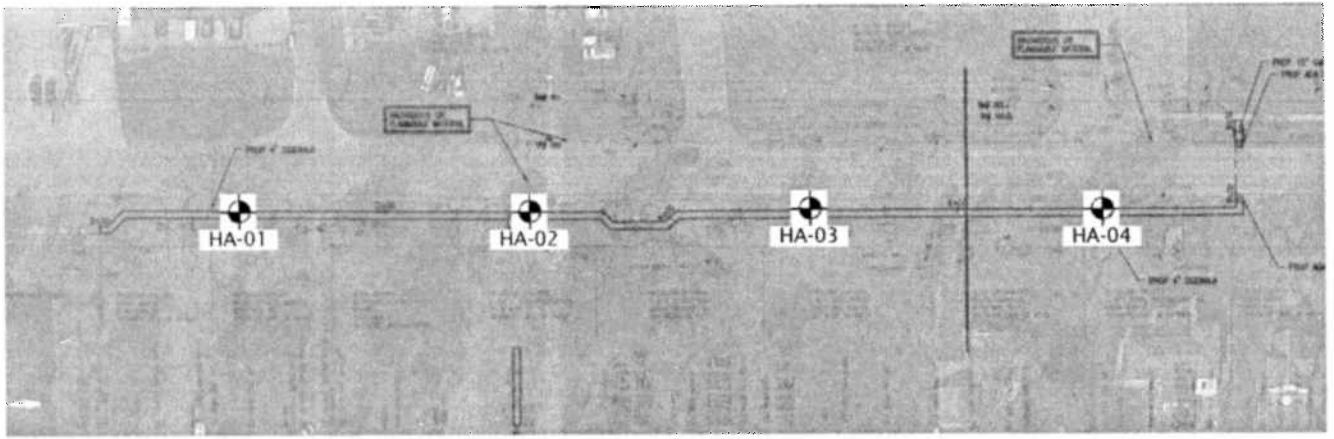
Michael G. Dagher, E.I.T.
Staff Engineer

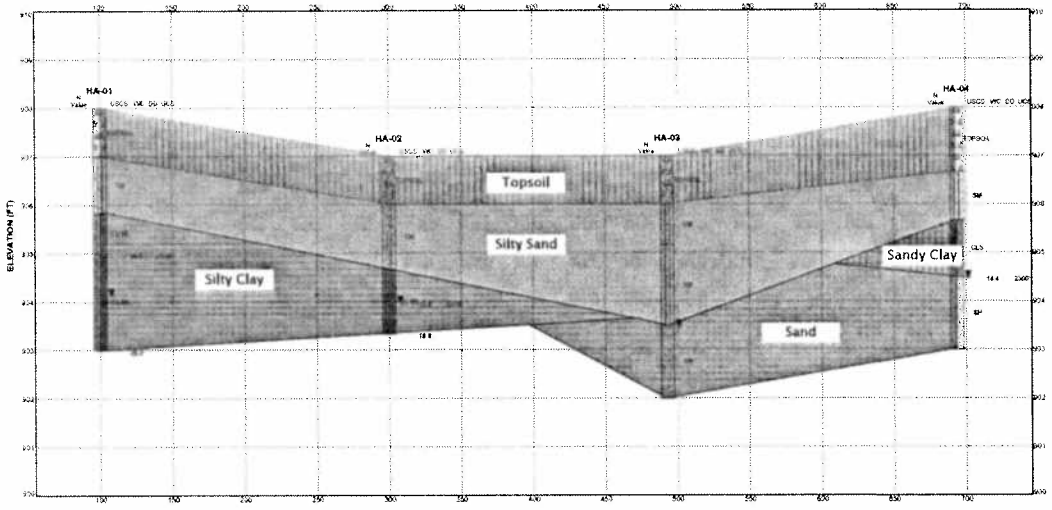
Jason B. Stoops, P.E.
Office Manager / Project Manager

MGS/JBS/cjh

Encl:

Soil Boring Location Plan	Plate No. 1
Soil Boring Logs	Figure Nos. 1 through 4
General Notes Terminology	Figure No. 5





Legend

Hand Augers Excavated by G2 Consulting Group, LLC on June 24th, 2015.

Soil Boring Location Plan

Main Street Sidewalks
Main Street
Northfield Township, Michigan

G2 CONSULTING GROUP	Project No. 153128
	Drawn by: MGD
	Date: 6/18/15
	Scale: NTS
	Plate No. 1

Project Name: Main Street Sidewalks

Project Location: Main Street
Northfield Township, Michigan

G2 Project No. 153128

Latitude: N/A Longitude: N/A

Soil Boring No. HA-01

CONSULTING GROUP

SUBSURFACE PROFILE				SOIL SAMPLE DATA					
ELEV. (ft)	PRO-FILE	GROUND SURFACE ELEVATION: 908.0 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
		Topsoil: Dark Grayish Brown Silty Sand with trace gravel (12 inches) 1.0							
		Loose Grayish Brown Silty Sand with trace gravel 2.2		BS-01					
		Stiff Grayish Brown Silty Clay with trace sand and gravel 3.0		BS-02			14.9		2000*
903.0		Medium Brown Silty Clay with trace sand and gravel 5.0	5	BS-03			26.2		1200**
		End of Boring @ 5 ft							
898.0			10						

Total Depth: 5 ft
Drilling Date: June 24, 2015
Inspector: F. Buniewicz
Contractor: G2 Consulting Group, LLC
Driller: G2 Consulting Group, LLC

Drilling Method:
3-inch inside diameter hand auger

Water Level Observation:
3-3/4 feet during and upon completion of excavation operations

Notes:
* Calibrated Hand Penetrometer
** Torvane

Excavation Backfilling Procedure:
Borehole backfilled with excavated soil

Figure No. 1

SOIL / PAVEMENT BORING 153128.GPJ 20140820 G2 CONSULTING DATA TEMPLATE.GDT 7/1/15

Project Name: Main Street Sidewalks

Project Location: Main Street
Northfield Township, Michigan

G2 Project No. 153128

Latitude: N/A Longitude: N/A

Soil Boring No. HA-02

CONSULTING GROUP

SUBSURFACE PROFILE

SOIL SAMPLE DATA

ELEV. (ft)	PRO-FILE	GROUND SURFACE ELEVATION: 907.0 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
		Topsoil: Dark Grayish Brown Silty Sand with trace gravel (12 inches)							
		1.0							
		Loose Grayish Brown Silty Sand with trace gravel		BS-01					
		2.3							
		Stiff Grayish Brown Silty Clay with trace sand gravel		BS-02			15.8		2000*
				BS-03			18.8		
		3.7							
		End of Boring @ 3.7 ft							
902.0			5						
897.0			10						

Total Depth: 3.7 ft
Drilling Date: June 24, 2015
Inspector: F. Buniewicz
Contractor: G2 Consulting Group, LLC
Driller: G2 Consulting Group, LLC

Drilling Method:
3-inch inside diameter hand auger

Water Level Observation:
3-2/3 feet during and upon completion of excavation operations

Notes:
* Calibrated Hand Penetrometer

Excavation Backfilling Procedure:
Borehole backfilled with excavated soil

Figure No. 2

SOIL / PAVEMENT BORING 153128.GPJ 20140820 G2 CONSULTING DATA TEMPLATE.GDT 7/1/15

Project Name: Main Street Sidewalks

Project Location: Main Street
Northfield Township, Michigan

G2 Project No. 153128

Latitude: N/A Longitude: N/A

Soil Boring No. HA-03

CONSULTING GROUP

SUBSURFACE PROFILE				SOIL SAMPLE DATA					
ELEV. (ft)	PRO-FILE	GROUND SURFACE ELEVATION: 907.0 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
		Topsoil: Dark Grayish Brown Silty Sand with trace gravel (12 inches) 1.0							
		Grayish Brown Silty Sand with trace gravel and clay 1.8		BS-01					
		Loose Brown Silty Sand with trace gravel 3.5		BS-02					
902.0		Medium Compact Brown Sand with trace silt and gravel 5.0	5	BS-03					
897.0		End of Boring @ 5 ft	10						

Total Depth: 5 ft
Drilling Date: June 24, 2015
Inspector: F. Buniewicz
Contractor: G2 Consulting Group, LLC
Driller: G2 Consulting Group, LLC

Water Level Observation:
3-1/2 feet during and upon completion of excavation operations

Excavation Backfilling Procedure:
Borehole backfilled with excavated soil

Drilling Method:
3-inch inside diameter hand auger

Figure No. 3

SOIL / PAVEMENT BORING 153128.GPJ 20140820 G2 CONSULTING DATA TEMPLATE.GDT 7/1/15

Project Name: Main Street Sidewalks

Project Location: Main Street
Northfield Township, Michigan

G2 Project No. 153128

Latitude: N/A Longitude: N/A

Soil Boring No. HA-04

CONSULTING GROUP

SUBSURFACE PROFILE				SOIL SAMPLE DATA					
ELEV. (ft)	PRO-FILE	GROUND SURFACE ELEVATION: 908.0 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
		Topsoil: Dark Grayish Brown Silty Sand with trace gravel (16 inches) 1.3							
		Loose Brown Silty Sand with trace gravel 2.3		BS-01					
		Stiff Brown Sandy Clay with trace gravel 3.5		BS-02			16.4		2500*
903.0		Compact Brown Sand with trace silt and gravel 5.0	5	BS-03					
898.0		End of Boring @ 5 ft	10						

Total Depth: 5 ft
Drilling Date: June 24, 2015
Inspector: F. Buniewicz
Contractor: G2 Consulting Group, LLC
Driller: G2 Consulting Group, LLC

Drilling Method:
3-inch inside diameter hand auger

Water Level Observation:
3-1/2 feet during and upon completion of excavation operations

Notes:
* Calibrated Hand Penetrometer

Excavation Backfilling Procedure:
Borehole backfilled with excavated soil

Figure No. 4

SOIL / PAVEMENT BORING 153128.GPJ 20140820 G2 CONSULTING DATA TEMPLATE.GDT 7/1/15

CONSULTING GROUP

GENERAL NOTES TERMINOLOGY

Unless otherwise noted, all terms herein refer to the Standard Definitions presented in ASTM 653.

PARTICLE SIZE

Boulders		- greater than 12 inches
Cobbles		- 3 inches to 12 inches
Gravel	- Coarse	- 3/4 inches to 3 inches
	- Fine	- No. 4 to 3/4 inches
Sand	- Coarse	- No. 10 to No. 4
	- Medium	- No. 40 to No. 10
	- Fine	- No. 200 to No. 40
Silt		- 0.005mm to 0.074mm
Clay		- Less than 0.005mm

CLASSIFICATION

The major soil constituent is the principal noun, i.e. clay, silt, sand, gravel. The second major soil constituent and other minor constituents are reported as follows:

Second Major Constituent (percent by weight)	Minor Constituent (percent by weight)
Trace - 1 to 12%	Trace - 1 to 12%
Adjective - 12 to 35%	Little - 12 to 23%
And - over 35%	Some - 23 to 33%

COHESIVE SOILS

If clay content is sufficient so that clay dominates soil properties, clay becomes the principal noun with the other major soil constituent as modifier, i.e. sandy clay. Other minor soil constituents may be included in accordance with the classification breakdown for cohesionless soils, i.e. silty clay, trace sand, little gravel.

Consistency	Unconfined Compressive Strength (psf)	Approximate Range of (N)
Very Soft	Below 500	0 - 2
Soft	500 - 1,000	3 - 4
Medium	1,000 - 2,000	5 - 8
Stiff	2,000 - 4,000	9 - 15
Very Stiff	4,000 - 8,000	16 - 30
Hard	8,000 - 16,000	31 - 50
Very Hard	Over 16,000	Over 50

Consistency of cohesive soils is based upon an evaluation of the observed resistance to deformation under load and not upon the Standard Penetration Resistance (N).

COHESIONLESS SOILS

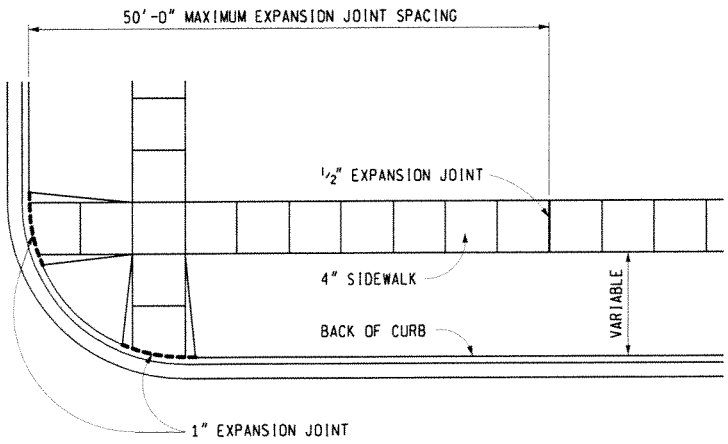
Density Classification	Relative Density %	Approximate Range of (N)
Very Loose	0 - 15	0 - 4
Loose	16 - 35	5 - 10
Medium Compact	36 - 65	11 - 30
Compact	66 - 85	31 - 50
Very Compact	86 - 100	Over 50

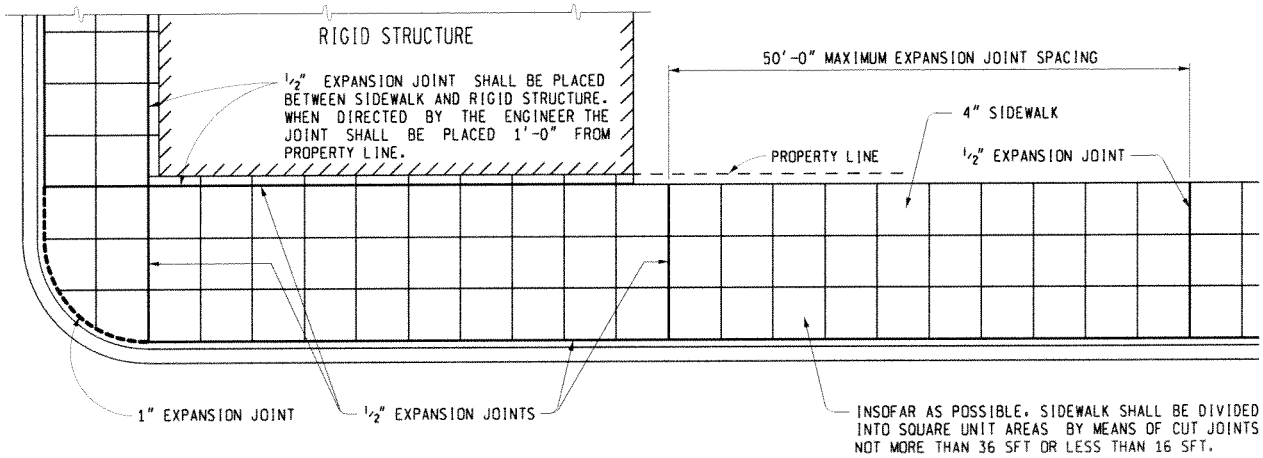
Relative Density of cohesionless soils is based upon the evaluation of the Standard Penetration Resistance (N), modified as required for depth effects, sampling effects, etc.

SAMPLE DESIGNATIONS

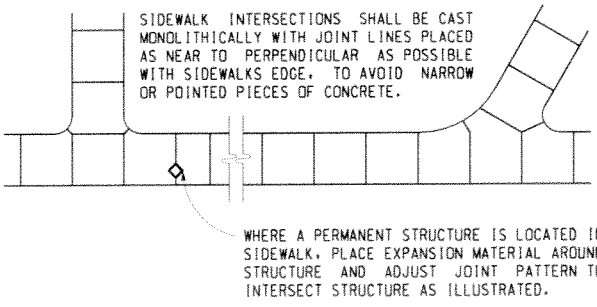
AS - Auger Sample – Cuttings directly from auger flight
BS - Bottle or Bag Samples
S - Split Spoon Sample - ASTM D 1586
LS - Liner Sample with liner insert 3 inches in length
ST - Shelby Tube sample - 3 inch diameter unless otherwise noted
PS - Piston Sample - 3 inch diameter unless otherwise noted
RC - Rock Core - NX core unless otherwise noted

STANDARD PENETRATION TEST (ASTM D 1586) - A 2.0 inch outside-diameter, 1-3/8 inch inside-diameter split barrel sampler is driven into undisturbed soil by means of a 140-pound weight falling freely through a vertical distance of 30 inches. The sampler is normally driven three successive 6-inch increments. The total number of blows required for the final 12 inches of penetration is the Standard Penetration Resistance (N).

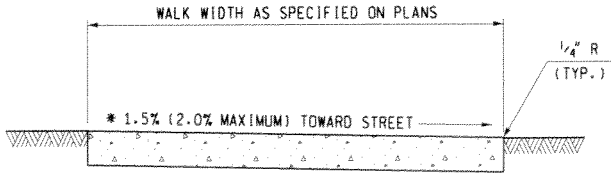




LOCATION OF JOINTS IN CONCRETE SIDEWALK



TYPICAL SIDEWALK JOINT LAYOUTS



* SEE NOTES

4" CONCRETE SIDEWALK

MDOT Michigan Department of Transportation

PREPARED BY DESIGN DIVISION

DRAWN BY: B.L.T.

CHECKED BY: W.K.P.

DEPARTMENT DIRECTOR
Kirk T. Steudle

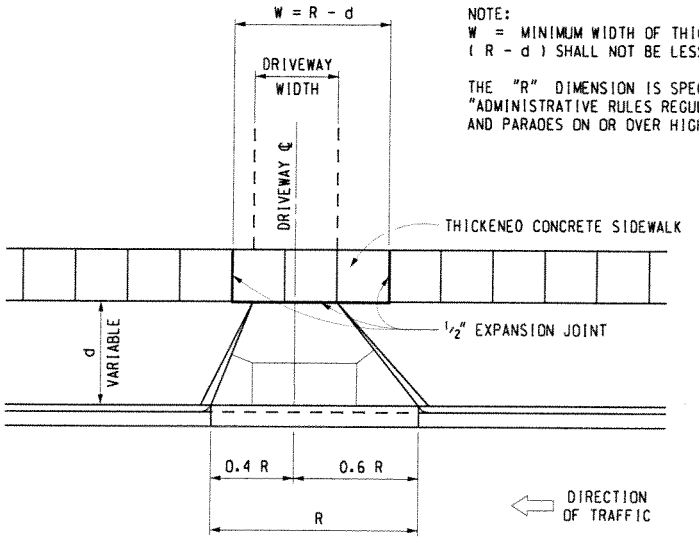
APPROVED BY: _____
DIRECTOR, BUREAU OF FIELD SERVICES

APPROVED BY: _____
DIRECTOR, BUREAU OF HIGHWAY DEVELOPMENT

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

DRIVEWAY OPENINGS & APPROACHES, AND CONCRETE SIDEWALK

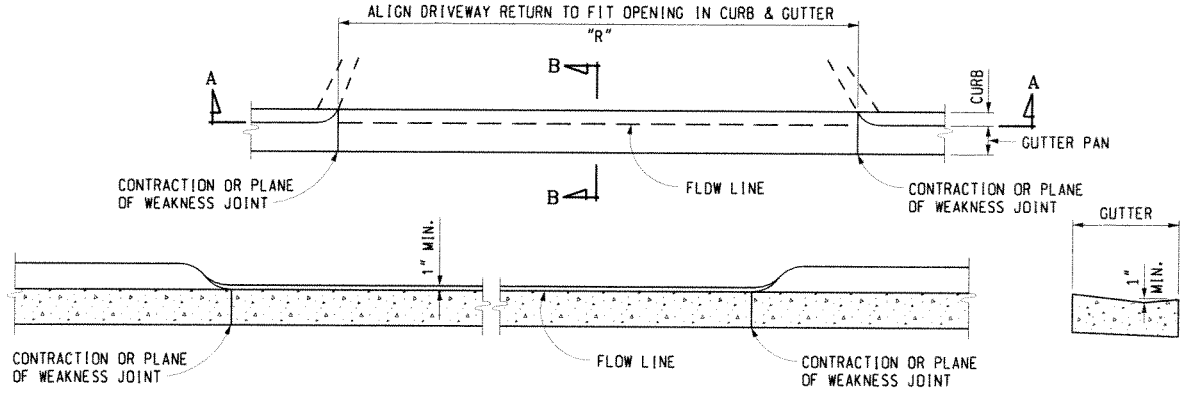
9-30-2014	7-1-2014	R-29-I	SHEET 1 OF 4
F.H.W.A. APPROVAL	PLAN DATE		



NOTE:
W = MINIMUM WIDTH OF THICKENED CONCRETE SIDEWALK.
(R - d) SHALL NOT BE LESS THAN DRIVEWAY WIDTH.

THE "R" DIMENSION IS SPECIFIED IN THE PUBLICATION "ADMINISTRATIVE RULES REGULATING DRIVEWAYS, BANNERS AND PARADES ON OR OVER HIGHWAYS".

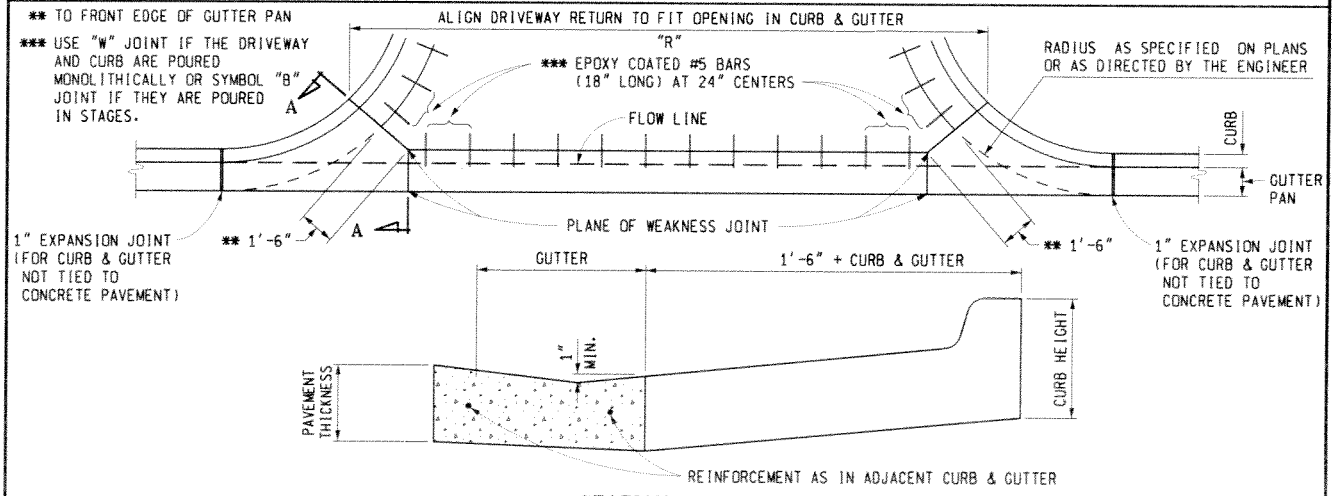
CONCRETE DRIVEWAY OPENING LAYOUT



SECTION A - A

SECTION B - B

CONCRETE DRIVEWAY OPENING, DETAIL L



SECTION A - A

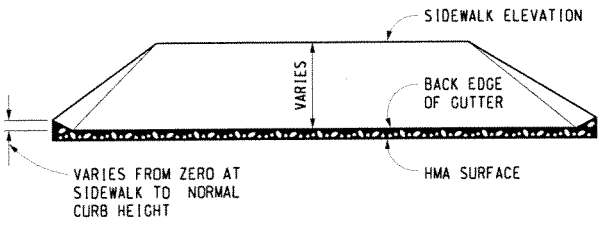
CONCRETE DRIVEWAY OPENING, DETAIL M

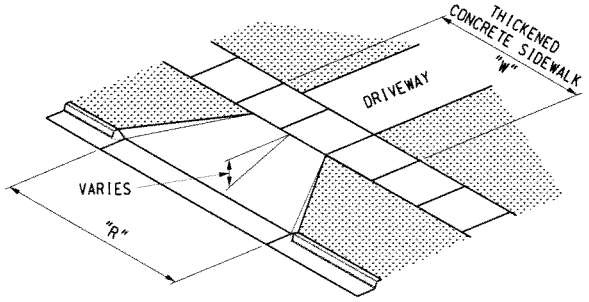
NOTE:
FOR ROADWAYS WITH CONCRETE PAVEMENTS, LONGITUDINAL LANE TIES WILL BE CONTINUOUS THROUGH THE DRIVEWAY OPENING AND THE SPACING OF THE #5 BARS IN CONCRETE DRIVEWAYS SHALL BE ADJUSTED TO AVOID CONFLICT WITH THE LONGITUDINAL LANE TIES.

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

DRIVEWAY OPENINGS & APPROACHES, AND CONCRETE SIDEWALK

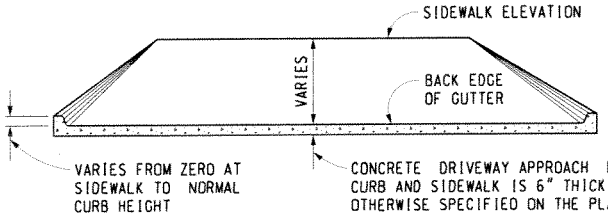
9-30-2014 F.H.W.A. APPROVAL	7-1-2014 PLAN DATE	R-29-I	SHEET 2 OF 4

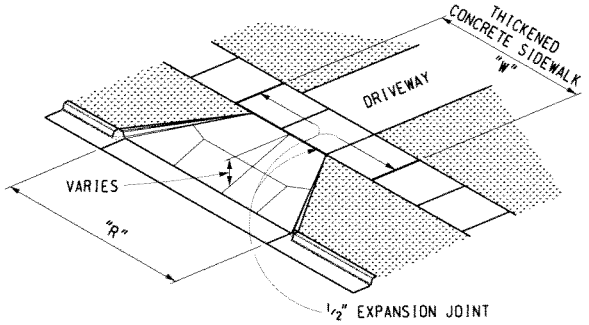




HMA DRIVEWAY APPROACH

(TO BE USED WITH DETAIL L)





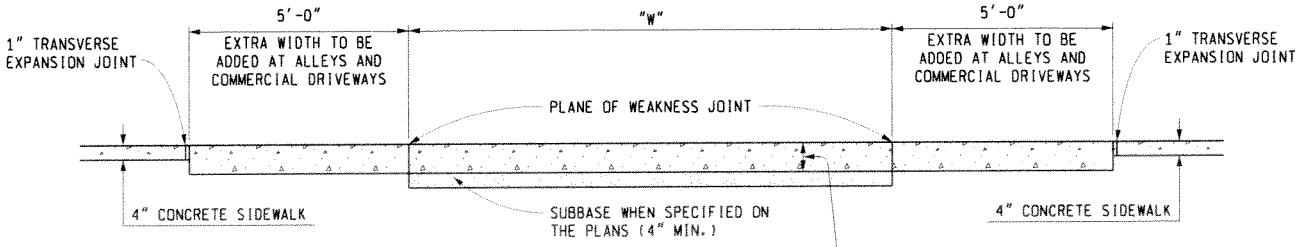
NOTES:

MONOLITHIC CURB IS INCLUDED IN THE CONCRETE DRIVEWAY APPROACH QUANTITY.

REINFORCEMENT IS NOT REQUIRED UNLESS SPECIFIED ON THE PLANS. WHEN REINFORCEMENT IS SPECIFIED, SEE CHART ON THIS SHEET.

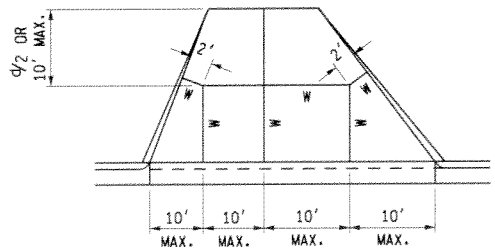
CONCRETE DRIVEWAY APPROACH

(TO BE USED WITH DETAIL L OR M)



WHEN CONCRETE DRIVEWAY APPROACH IS SPECIFIED, THE THICKENED CONCRETE SIDEWALK THICKNESS IS EQUAL TO THE THICKNESS OF THE CONCRETE DRIVEWAY APPROACH. WHEN HMA DRIVEWAY APPROACH IS SPECIFIED, THE THICKENED CONCRETE SIDEWALK THICKNESS IS 6" MIN.

THICKENED CONCRETE SIDEWALK



ADJUST DRIVEWAY JOINTS AS NEEDED TO ALIGN WITH ANY COINCIDING TRANSVERSE PAVEMENT JOINTS.

JOINT LAYOUT IS AS INDICATED OR AS DIRECTED BY THE ENGINEER.

INTERMEDIATE DRIVEWAY JOINT DETAILS

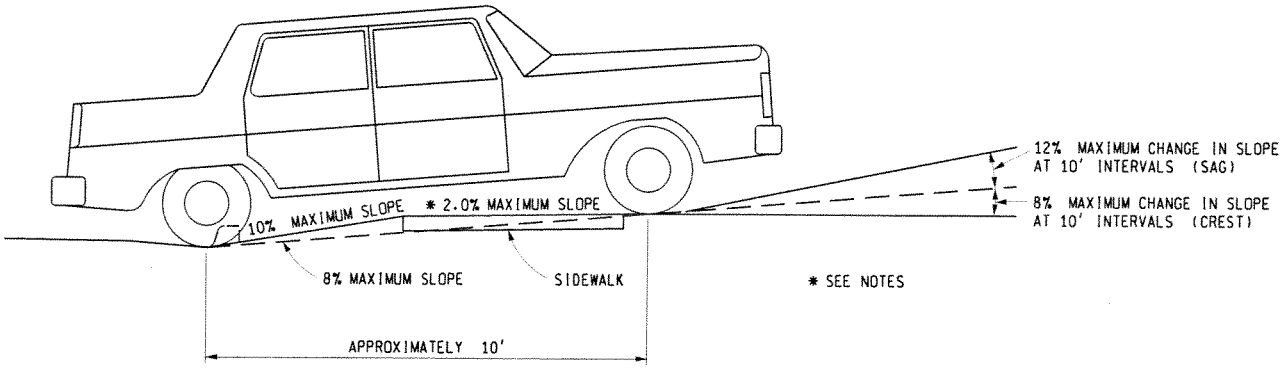
REINFORCEMENT FOR CONCRETE DRIVEWAYS		
CONCRETE DRIVEWAY THICKNESS	WIRE SIZE (6" x 6" MESH)	AVERAGE WEIGHT (LBS/100 SFT)
LESS THAN 8"	W1.4	21
	W2.9	42
8" OR GREATER	USE WIRE FABRIC REINFORCEMENT SPECIFIED ON STANDARD PLAN R-37-SERIES	

MICHIGAN DEPARTMENT OF TRANSPORTATION

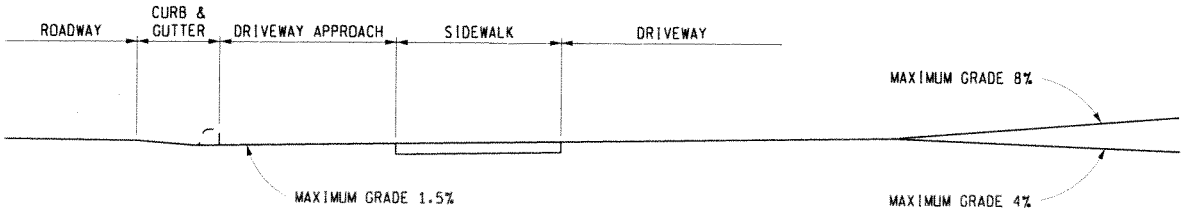
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

DRIVEWAY OPENINGS & APPROACHES, AND CONCRETE SIDEWALK

9-30-2014	7-1-2014	R-29-I	SHEET 3 OF 4
F.H.W.A. APPROVAL	PLAN DATE		



LOW VOLUME COMMERCIAL OR RESIDENTIAL DRIVEWAY SLOPES



COMMERCIAL DRIVEWAY PROFILE FOR MAJOR TRAFFIC GENERATORS

NOTES:

FOR DRIVEWAY DESIGN REFER ALSO TO "ADMINISTRATIVE RULES REGULATING DRIVEWAYS, BANNERS, AND PARADES ON OR OVER HIGHWAYS" AND GEOMETRIC DESIGN G-680-SERIES, COMMERCIAL DRIVEWAYS.

FOR CURB AND GUTTER DETAILS, SEE STANDARD PLAN R-30-SERIES.

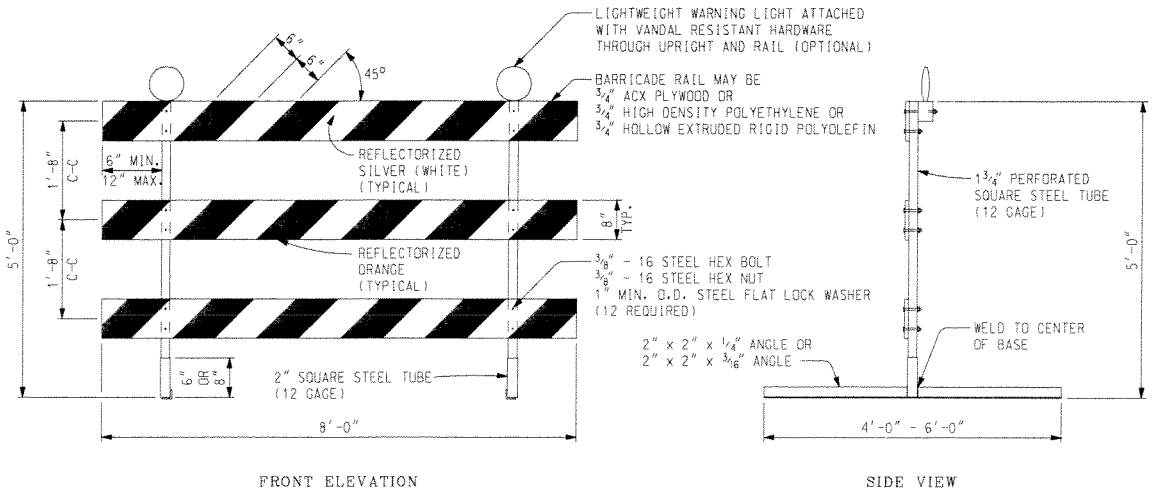
TRANSVERSE SIDEWALK SLOPES ARE TYPICALLY 1.5% (2.0% MAXIMUM). IN ORDER TO MEET SITE CONDITIONS, IF THE TRANSVERSE SLOPE IS REQUIRED TO BE LESS THAN 1.5%, LONGITUDINAL DRAINAGE MUST BE PROVIDED.

WHEN SETTING GRADES FOR COMMERCIAL DRIVES, THE TYPES OF VEHICLES USING THE DRIVE SHOULD BE CONSIDERED.

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

DRIVEWAY OPENINGS & APPROACHES, AND CONCRETE SIDEWALK

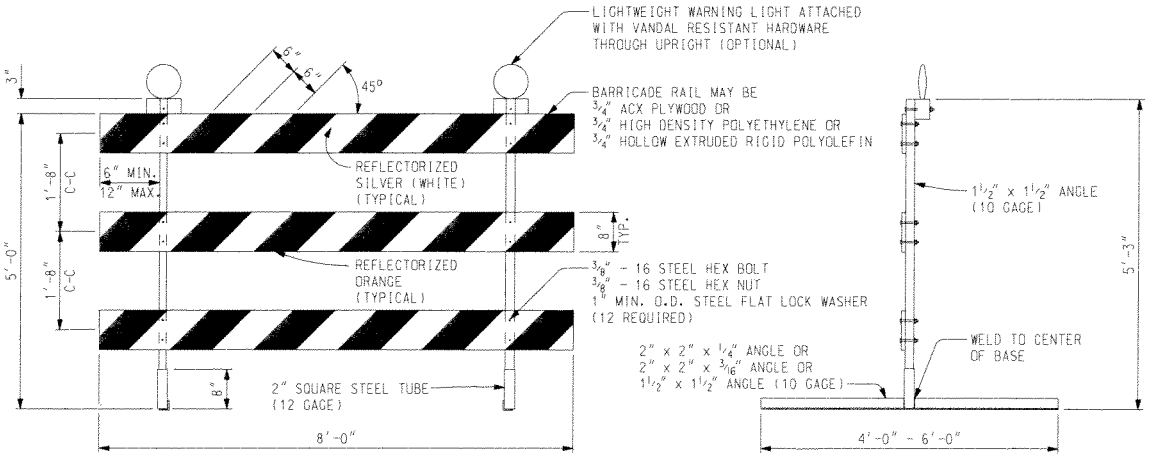
9-30-2014 F.H.W.A. APPROVAL	7-1-2014 PLAN DATE	R-29-I	SHEET 4 OF 4



FRONT ELEVATION

SIDE VIEW

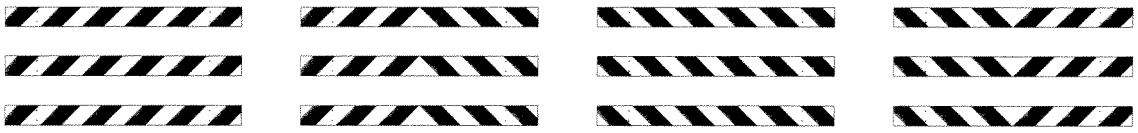
PERFORATED SQUARE STEEL TUBE OPTION



FRONT ELEVATION

SIDE VIEW

ANGLE IRON OPTION



LEFT DIRECTIONAL

BI-DIRECTIONAL

RIGHT DIRECTIONAL

CLOSURES

BARRICADE RAIL SHEETING OPTIONS
TYPE III BARRICADES

Other Type III Barricades meeting current NCHRP crash worthy criteria can be found on the FHWA Safety website at http://safety.fhwa.dot.gov/roadway_dept/road_hardware/wzd.htm

NOT TO SCALE

File: T&S/Typ/Signs/WorkZones/wzd 125 d Rev. 09/22/09 PJ

MDOT Michigan Department of Transportation

PREPARED BY TRAFFIC AND SAFETY

DRAWN BY: ECH

CHECKED BY: MWB

ENGINEER OF DELIVERY

ENGINEER OF DEVELOPMENT

(SPECIAL DETAIL)

FHWA APPROVAL DATE

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS DELIVERY STANDARD PLAN FOR

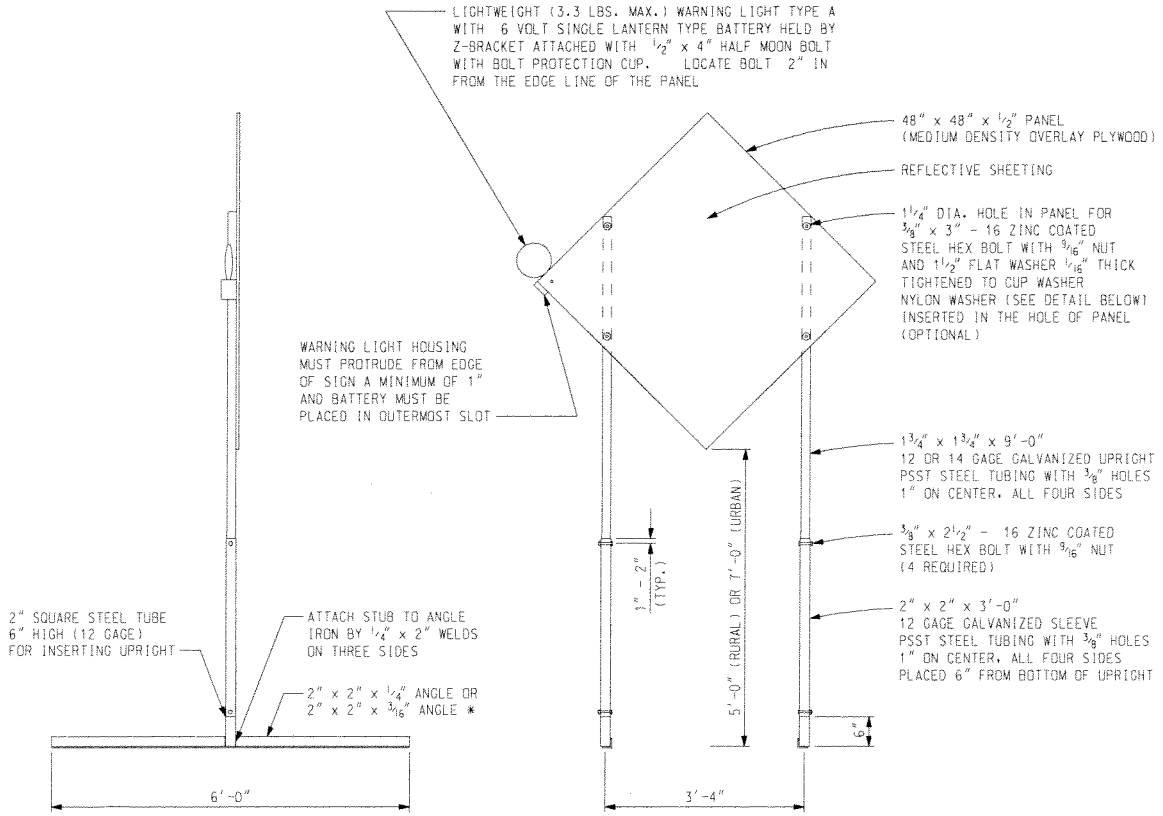
Temporary Traffic Control Devices

9/22/09 PLAN DATE

WZD-125-E

SHEET 1 of 3

NOTE: THE ORIGINAL SIGNED COPY IS KEPT ON FILE AT THE MICHIGAN DEPARTMENT OF TRANSPORTATION.



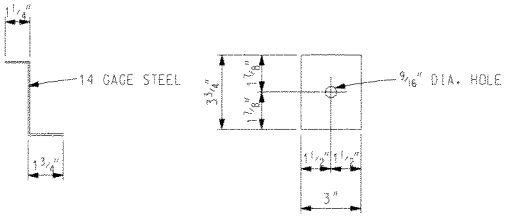
SIDE VIEW FRONT ELEVATION

TEMPORARY SIGN SUPPORT

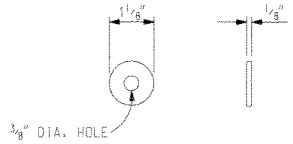
(WARNING LIGHT PLACED ON SIDE CLOSEST TO TRAFFIC)

* SIGN STAND IS BALLASTED WITH FOUR OR MORE 35 LB SANDBAGS. A MINIMUM OF ONE ON EACH END.

UPRIGHTS SHALL NOT EXTEND ABOVE THE SIGN PANEL.



Z-BRACKET DETAIL



OPTIONAL NYLON WASHER

Other temporary sign supports meeting current NCHRP crash worthy criteria can be found on the FHWA Safety website at http://safety.fhwa.dot.gov/roadway_dept/road_hardware/wzd.htm

NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAYS DELIVERY STANDARD PLAN	(SPECIAL DETAIL) FHWA APPROVAL DATE	9/22/09 PLAN DATE	WZD-125-E	SHEET 2 of 3
File: T&S/Typ/Signs/WorkZones/wzd 125 d	Rev. 09/22/09 PJ			

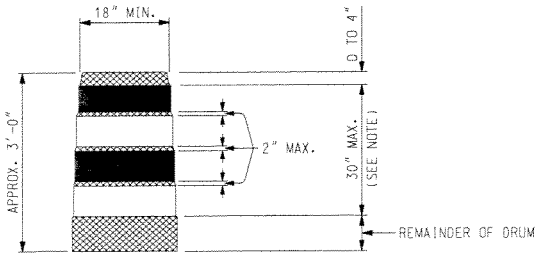
NOTE: THE ORIGINAL SIGNED COPY IS KEPT ON FILE AT THE MICHIGAN DEPARTMENT OF TRANSPORTATION.

● PLASTIC DRUM

▲ ▲ ▲ PROPOSED TYPE III BARRICADE

△ △ △ EXISTING TYPE III BARRICADE

SYMBOLS TO BE USED ON PLANS



REFLECTORIZED ORANGE

REFLECTORIZED WHITE

NON REFLECTORIZED ORANGE

NOTE:
DRUMS SHALL HAVE AT LEAST 4 HORIZONTAL REFLECTORIZED STRIPES (2 ORANGE AND 2 WHITE) OF 6" UNIFORM WIDTH, ALTERNATING IN COLOR WITH THE TOPMOST REFLECTORIZED STRIPE BEING ORANGE. NON REFLECTORIZED SPACES BETWEEN THE HORIZONTAL REFLECTORIZED ORANGE AND WHITE STRIPES SHALL BE ORANGE IN COLOR AND EQUAL IN WIDTH.

PLASTIC DRUM

NOTES:

2" PERFORATED SQUARE STEEL TUBES MAY BE USED TO FABRICATE THE HORIZONTAL BASE OF THE TYPE III BARICADE.

WARNING LIGHTS SHALL BE PLACED ACCORDING TO THE CURRENT STANDARD SPECIFICATIONS FOR CONSTRUCTION AND ALL OTHER PROVISIONS IN THE CONTRACT WHEN THEY ARE USED ON TYPE III BARRICADES.

SEE ROAD STANDARD PLANS R-113-SERIES FOR TEMPORARY CROSSOVERS FOR DIVIDED ROADWAY, AND R-126-SERIES FOR TYPICAL LOCATION AND SPACING OF PLASTIC DRUMS FOR PLACEMENT OF TEMORARY CONCRETE BARRIER.

SIGNS, BARRICADES, AND PLASTIC DRUMS SHALL BE FACED WITH PRESSURE-SENSITIVE REFLECTIVE SHEETING ACCORDING TO THE CURRENT STANDARD SPECIFICATIONS FOR CONSTRUCTION.

SANDBAGS SHALL BE USED WHEN SUPPLEMENTAL WEIGHTS ARE REQUIRED TO ACHIEVE STABILITY OF THE BARRICADE. THE SANDBAGS SHALL BE PLACED SO THEY WILL NOT COVER OR OBSTRUCT ANY REFLECTIVE PORTION OF THE TRAFFIC CONTROL DEVICE.

NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAYS DELIVERY STANDARD PLAN	(SPECIAL DETAIL) FHWA APPROVAL DATE	9/22/09 PLAN DATE	WZD-125-E	SHEET 3 of 3
File: T&S/Typ/Signs/WorkZones/wzd 125 d	Rev. 09/22/09 PJ			

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METHOD OF PAYMENT

GENERAL **2**
Mobilization 3
Traffic Control 3
Station Grading 4
Pavement, Remove 4
Sidewalk, Remove 5
Erosion Control, Silt Fence 5
Culverts 5
Culvert End Sections 6
Reconstruct Sanitary Structure 6
Subbase Course 7
Concrete Sidewalk 7
Concrete Sidewalk Ramp, ADA 7
Underground Irrigation Line 8
Remove and Reset Irrigation Head 8
Post, Steel 9
Permanent Traffic Signs 9
Rectangular Rapid Flashing Beacon Assembly 9
Pavement markings 10
Turf Establishment 10
Digital video recorded Survey 11
Clean Out Storm Structures 11
Miscellaneous Restoration Items 11
Final Clean Up 11
Relocate or Brace Utility Poles and Guy Wires 11
Cleanouts & Water Valve Box Adjustment 12
Private Utility Adjustment 12
Easement Conditions 12
Construction Observer Days 12

GENERAL

A. PRICES AND MEASUREMENT:

Payment for work under this contract will be based on a unit price or lump sum for work actually completed. Final measurements of the work will be taken by the Engineer to determine the amount of work done and thereby determine the total cost. The method of applying the unit prices to measured quantities will be as herein specified. Payment will include the cost of all labor, tools, materials, and equipment necessary to do the work.

Several items may have been included in the bid form but may not be called for on the plans. These items have been included in order to establish a unit price in the event that the item of work is necessary. The Contractor should be aware that these items may increase, decrease, or be zero based on field conditions, or Owner direction.

B. INCIDENTAL ITEMS:

Any items of work indicated as incidental or included shall be considered as part of the project work and shall be completed at no additional expense to the Owner. Incidental or included items shall include labor, materials, and equipment that may not be specifically listed in the Bid Form or in the drawings or specifications, but which are necessary to complete the work.

C. PERMITS:

A number of permits have been applied for by the Owner of this project. The permits must be acquired from the appropriate agency by the Contractor when they are approved. Any permit fees, bonds, and/or permit agency inspection costs will be the responsibility of the Contractor and shall not result in additional cost to the Owner. A list of permits required for this project is shown in the Supplemental Instructions to Bidders section.

MOBILIZATION
(Bid Item No. 1)

The completed work as measured for MOBILIZATION will be paid for at the contract unit price for the following contract item (pay item):

Pay Item	Pay Unit
Mobilization, Max. 10%	lump sum

The lump sum price shall be payment in full for all preparatory work and operations which may include, but is not limited to, the following items:

1. The movement of personnel, equipment, supplies, and incidentals to the project site.
2. The establishment of the Contractor's offices, buildings, and other facilities to work on the project.
3. Other work and operations that must be performed.
4. Expenses incurred, prior to beginning work on the various contract items on the project site.
5. Pre-construction costs, exclusive of bidding costs, which are necessary direct costs to the project rather than directly attributable to other pay items under the contract.
6. Permits, bonds, etc.

The pay item will state the maximum amount that can be bid. When the percentage of the original contract amount earned is less than 10 percent, the costs of project specific bonding, insurances, and permits will be reimbursed when a paid invoice is received by the Engineer. The costs of these will then be made in accordance with the Partial Payment Schedule shown below. The original contract amount is the total value of all contract items including the mobilization item. The percentage earned is exclusive of the mobilization item. The total sum of all payments for this item shall not exceed the original contract amount bid for mobilization, regardless of the fact that the Contractor may have, for any reason, shut down his work on the project, moved equipment away from the project and then back again, or for additional quantities or items of work added to the contract.

Partial Payment Schedule

Percentage of Original Contract Amount Earned	**Percentage of Bid Price for Mobilization Allowed**
5	50
10	75
25	100

When a pay item for mobilization is not included in the proposal, payment for any such work is considered to have been included in payments made for other items of work.

TRAFFIC CONTROL
(Bid Item No. 2)

The completed work as measured for TRAFFIC CONTROL will be paid for at the contract unit price for the following contract items (pay items):

Pay Item	Pay Unit
Traffic Control	lump sum

Minor traffic devices and flag control shall be paid for by the lump sum. Temporary signs shall be measured by the sign face area in square feet. Barricades shall be paid for on a per each basis. Temporary pavement markings R (removable) and NR (non-removable) shall be paid for by the linear foot of actual pavement marking.

The contract unit price shall be payment in full for all labor, material, and equipment necessary to furnish, install, and maintain traffic control devices in accordance with the Michigan Manual of Uniform Traffic Control Devices and section 812 of the 2003 MDOT Standard Specifications for Construction. Removal of temporary traffic control items upon completion of the project shall be considered as incidental to the respective pay items.

STATION GRADING
(Bid Item No. 3)

The completed work as measured for STATION GRADING will be paid for at the contract unit price for the following contract item (pay item):

Pay Item	Pay Unit
Station Grading	station

Station grading for sidewalk construction shall be measured along the centerline of sidewalk from end of walk to end of walk. One station equals one hundred feet.

The contract unit price shall be payment in full for all labor, materials, and equipment necessary to perform all earthwork for construction of the sidewalk. The contract unit price shall include items such as removing topsoil and vegetation up to 18 inches of depth, excavating, grading, and compacting earth along the pathway route, stockpiling, sterilizing the subgrade, and finish grading. Furnishing, grading, and compacting suitable embankment material as well as removing excess or unsuitable material shall also be considered as part of the Station Grading work. In addition, root trimming, clearing, brushing, and removal of trees under 6 inches in diameter shall be considered as part of the work unless separate pay items have been included in the bid form.

PAVEMENT, REMOVE
(Bid Item No. 4)

The completed work as measured for PAVEMENT, REMOVE will be paid for at the contract unit price for the following contract item (pay item):

Pay Item	Pay Unit
Pavt, Rem	square yard

Pavement removal shall be measured in place by area in square yards. The removal area shall be based upon the average length and width measurements as determined in the field by the Engineer.

The contract unit price shall be payment in full for all labor, material and equipment required to sawcut, remove, and properly dispose of the pavement off site. The contract unit price shall apply to pavement of any thickness (both bituminous and concrete), and gravel as called out on the plans.

SIDEWALK, REMOVE
(Bid Item No. 5)

The completed work as measured for SIDEWALK, REMOVE will be paid for at the contract unit price for the following contract item (pay item):

Pay Item	Pay Unit
Sidewalk, Rem	square yard

Concrete sidewalk removal shall be measured in place by area in square yards. The removal area shall be based upon the average length and width measurements as determined in the field by the Engineer.

The contract unit price shall be payment in full for all labor, material and equipment required to sawcut, remove, and properly dispose of the sidewalk off site. The contract unit price shall apply to sidewalk and pathway of any thickness.

EROSION CONTROL, SILT FENCE
(Bid Item No. 6)

The completed work as measured for EROSION CONTROL, SILT FENCE will be paid for at the contract unit price for the following contract item (pay item):

Pay Item	Pay Unit
Erosion Control, Silt Fence	foot

Silt fence shall be measured in place horizontally by linear feet. The length shall be measured along the top of fence from end of fence to end of fence.

The contract unit price shall be payment in full for all labor, materials, and equipment necessary to furnish, install, and maintain the silt fence in accordance with the plan notes and details. Removal and disposal of the silt fence and accumulated sediment upon final completion of the project shall be considered as included in the work. Placement and maintenance of stone outlet filters at low points along the silt fence line shall also be considered as included in the silt fence work. Maintenance work will include removal and replacement of silt fence and outlet filters as directed by the Engineer. Restoration of disrupted areas shall be paid for separately under the appropriate surface restoration pay items.

CULVERTS
(Bid Item No. 7)

The completed work as measured for CULVERTS will be paid for at the contract unit price for the following contract item (pay item):

Pay Item	Pay Unit
Culv, CMP, 12 inch	foot

Culverts shall be measured in place horizontally by linear feet. The length shall be measured along the centerline of the pipe from end of pipe to end of pipe or to center of structure. The measurement shall not include the length of end sections, which shall be paid for separately.

The contract unit price shall be payment in full for all labor, materials, and equipment necessary to construct the culverts. The payment for culverts shall include the following (except such items for which separate prices are received on the Bid Form): clearing; excavating; trenching; disposal of items from clearing; disposal of unsuitable or excess excavated materials; temporary sheeting, bracing and shoring of excavations; support, relocation, replacement, connection or reconnection of existing pipe lines, building leads and utilities; furnishing and placing of pipe, jointing materials, fittings, bulkheads, plugs, adaptors; furnishing and placing of required bedding, backfill, and fill materials; complete cleanup and surface restoration.

Payment for culverts shall also include up to 18 inches of trench undercut and refill with compacted MDOT 6A crushed gravel or 6A crushed concrete unless otherwise shown in the plan details. If additional undercut is required beyond 18 inches, then it shall be paid for separately as Trench Undercut and Refill.

The contract unit price shall also include payment in full for dewatering of the excavation as described in the Earthwork section. The contract unit price does not include dewatering by means of deep wells or well points. In the event that dewatering by means of deep wells or well points is required, as determined by the Engineer, then this work shall be paid for separately.

CULVERT END SECTIONS
(Bid Item No. 8)

The completed work as measured for CULVERT END SECTIONS will be paid for at the contract unit price for the following contract items (pay items):

Pay Item	Pay Unit
Culv End Sect, CMP, 12 inch	each

The contract price shall be payment in full for all labor, material, and equipment necessary to furnish and install the end sections in accordance with the plan details. Excavation, trenching, bedding, backfill, and disposal of excess or unsuitable materials shall be included in the contract unit price for culvert end sections. If called for on the plans, concrete footings and bar screens shall be included as part of the end sections and shall not be paid for separately.

RECONSTRUCT SANITARY STRUCTURE
(Bid Item No. 9)

The completed work as measured for RECONSTRUCT SANITARY STRUCTURE will be paid for at the contract unit price for the following contract items (pay items):

Pay Item	Pay Unit
Reconstruct Sanitary Structure	each

The work of reconstructing structures shall be paid for on a per structure basis and shall apply when the total amount of vertical change of the casting (up or down) is six inches or more. Vertical change less than six inches shall be paid for as Adjust Sanitary Structure. The pay item for reconstructing sanitary structures shall apply only to existing sanitary manholes. The reconstruct structure pay item shall not apply to new structures since final adjustment in this case is included in the contract unit price of the new structure.

The contract unit price shall be payment in full for all labor, material, and equipment necessary to reconstruct structures in accordance with the plan details so that the castings will match the new finished pavement or landscape surface grades. Excavation, backfill, cleaning the existing casting and disposal of excess or unsuitable materials shall all be considered as included as part of the reconstruction work.

SUBBASE COURSE
(Bid Item No. 10)

The completed work as measured for SUBBASE COURSE will be paid for at the contract unit price for the following contract items (pay items):

Pay Item	Pay Unit
Sand Subbase, CL II	ton

Subbase course shall be measured in tons based upon certified weight delivery tickets.

The contract unit price shall be payment in full for all labor, materials, and equipment necessary to place, grade, and compact the aggregate base course materials. Any earth excavation, subgrade preparation, or material disposal that is required for the aggregate base course placement shall be considered as incidental to the work unless separate pay items have been included in the bid form for earthwork.

CONCRETE SIDEWALK
(Bid Item Nos. 11 and 13)

The completed work as measured for CONCRETE SIDEWALK will be paid for at the contract unit prices for the following contract items (pay items):

Pay Item	Pay Unit
Sidewalk, Conc, 4 inch	square foot
Sidewalk, Conc, 6 inch	square foot

Concrete sidewalk shall be measured in place and shall be paid for based upon the length and width measurements of the sidewalk area as determined by the Engineer.

The contract unit price shall be payment in full for all labor, materials, and equipment necessary to construct sidewalk of the required thickness in accordance with the plan details. Furnishing, placing, and compacting a 4-inch thick sand base shall be considered as incidental to the sidewalk placement. Any necessary excavation, backfill, and disposal of excess materials shall also be considered as incidental to the sidewalk construction.

CONCRETE SIDEWALK RAMP, ADA
(Bid Item No. 12)

The completed work as measured for CONCRETE SIDEWALK RAMP, ADA will be paid for at the contract unit price for the following contract item (pay item):

Pay Item	Pay Unit
Sidewalk Ramp, Conc, 6 inch	square foot

Concrete sidewalk ramps shall be measured in place and shall be paid for based upon the length and width measurements of the sidewalk ramp area as determined by the Engineer.

The contract unit price shall be payment in full for all labor, materials, and equipment necessary to construct sidewalk of the required thickness in accordance with the plan details. Furnishing, placing, and compacting a 4-inch thick sand base shall be considered as incidental to the sidewalk placement. Any necessary excavation, backfill, and disposal of excess materials shall also be considered as incidental to the sidewalk ramp construction.

The contract unit price shall also include all labor, materials, and equipment necessary to construct the 24" detectable warning strips as shown on the construction sheet.

All sidewalk ramps and detectable warnings shall be constructed to current ADA requirements (MDOT detail R-28-I).

UNDERGROUND IRRIGATION LINE
(Bid Item No. 14)

The completed work as measured for UNDERGROUND IRRIGATION LINE will be paid for at the contract unit price for the following contract item (pay item):

Pay Item	Pay Unit
Irrigation Line	feet

Underground irrigation line shall be measured in place horizontally by linear feet. The length shall be measured along the centerline of the irrigation line from the center of irrigation head to center of irrigation head or to end of line.

The contract unit price shall be payment in full for all labor, materials, and equipment necessary to install the new lines, connect irrigation heads, connect to the existing system, provide fittings as necessary, testing, system start-up, and sketch of as-built line locations.

REMOVE AND RESET IRRIGATION HEAD
(Bid Item No. 15)

The completed work as measured for REMOVE AND RESET IRRIGATION HEAD will be paid for at the contract unit price for the following contract item (pay item):

Pay Item	Pay Unit
Remove and Reset Irrigation Head	each

The contract unit price shall be payment in full for all labor, materials, and equipment necessary to remove and salvage existing irrigation heads and to reset them in the same location or a new location as called for on the plans. Removing, salvaging, and relaying existing irrigation lines shall be considered as included in the irrigation head work unless a separate pay item is included in the Bid Form for new irrigation lines. Any sprinkler heads or lines that are damaged by the contractor shall be replaced in kind with new materials at no additional cost to the Owner.

POST, STEEL
(Bid Item No. 16)

The completed work as measured for POST, STEEL will be paid for at the contract unit price for the following contract item (pay item):

Pay Item	Pay Unit
Post, Steel, 3 lb	foot

Posts shall be measured in linear feet. Before the post is installed in the ground, a measurement shall be made along the length of the post from end to end.

The contract unit price shall include all labor, materials, and equipment necessary to furnish and install the post in accordance with plan details and the current edition of the Michigan Manual of Uniform Traffic Control Devices.

PERMANENT TRAFFIC SIGNS
(Bid Item No. 17)

The completed work as measured for PERMANENT TRAFFIC SIGNS will be paid for at the contract unit price for the following contract item (pay item):

Pay Item	Pay Unit
Sign, Type IIIB	square foot

Signs shall be measured in place by square feet and shall be based upon the length and width measurements of the sign area as determined by the Construction Observer.

The contract unit price shall be payment in full for all labor, materials, and equipment necessary to furnish and install the signs in accordance with the plan details and the current edition of the Michigan Manual of Uniform Traffic Control Devices. Any hardware that is required to attach the sign to the post shall be considered as included in the payment for the sign. Furnishing and installing new steel posts, 3 lb., shall also be considered as included in the sign payment unless a separate pay item has been included in the Bid Form for this.

RECTANGULAR RAPID FLASHING BEACON ASSEMBLY
(Bid Item No. 18)

The completed work as measured for RECTANGULAR RAPID FLASHING BEACON ASSEMBLY will be paid for at the contract unit price for the following contract item (pay item):

Pay Item	Pay Unit
RRFB Assembly	each

The contract unit price shall be payment in full for all labor, materials, and equipment necessary to assemble and install Rectangular Rapid Flashing Beacons at the locations designated on the plans. A special provision is attached for the RRFB assembly.

PAVEMENT MARKINGS
(Bid Item Nos. 19, 20, 21, and 22)

The completed work as measured for PAVEMENT MARKINGS will be paid for at the contract unit prices for the following contract items (pay items):

Pay Item	Pay Unit
Pavt Mrkg, Ovly Cold Plastic, 6 inch, White	foot
Pavt Mrkg, Ovly Cold Plastic, 12 inch, White	foot
Pavt Mrkg, Ovly Cold Plastic, Ped	ea
Pavt Mrkg, Ovly Cold Plastic, Xing	ea

Pavement marking shall be measured in place horizontally by linear feet. The length shall be measured along the segment from end to end.

The contract unit price shall be payment in full for all labor, materials, and equipment necessary to furnish and install the pavement markings in accordance with the plan details and the manufacturer's instructions. All sweeping and preparatory work as well as traffic control and temporary protection of newly placed markings shall be considered as incidental to the pavement marking work. Removal of any temporary pavement markings shall also be considered as incidental unless the Bid Form already includes pay items for removing temporary markings.

TURF ESTABLISHMENT
(Bid Item No. 23)

The completed work as measured for TURF ESTABLISHMENT will be paid for at the contract unit price for the following contract items (pay items):

Pay Item	Pay Unit
Turf Establishment	lump sum

Turf Establishment with seed or sod shall be measured in place using the sidewalk alignment stationing. All materials, labor and equipment required or selected by the Contractor to install, maintain, inspect, repair and meet the acceptance parameters for turf establishment specified in this special provision, including preparation, updating and submittal of the Contractor's Daily Reports, are included in the contract unit price bid for "Turf Establishment".

Repairs made to damaged turf establishment areas as a result of a documented storm by local meteorological data resulting in rainfall amounts of more than 3 inches in a 24-hour period will be paid for as an increase to original quantities in accordance with subsection 109.05 of the Standard specifications for Construction. The following schedule of payment applies to work performed according to this special provision. Upon completion of topsoil surfacing stage, 50 percent of the authorized amount for Turf Establishment will be paid to the Contractor. The remaining 50 percent of the authorized amount will be paid upon completion of all other work necessary to comply with this special provision and to meet all final acceptance parameters for Turf Establishment or at such time as the supplemental performance bond is accepted by the Department.

The supplemental performance bond and all costs associated with turf establishment work performed during the duration of the performance bond, will not be paid for separately. These costs which may

include, but are not limited to, mobilization, traffic control devices, and the required permit insurance are included in the unit price bid for "Turf Establishment".

Application of mulch anchoring shall be considered as incidental to the placement of the mulch unless a separate pay item for the mulch anchoring has been included in the Bid Form.

DIGITAL VIDEO RECORDED SURVEY
(Bid Item No. 24)

The completed work as measured for DIGITAL VIDEO RECORDED SURVEY will be paid for at the contract lump sum price for the following contract item (pay item):

Pay Item	Pay Unit
Digital Video Recorded Survey	lump sum

The lump sum price shall be payment in full for all labor, materials, and equipment necessary to prepare the audio video route survey in accordance with the specifications. Video recording limits are discussed in the Supplemental Specifications section.

Payment shall include the provision of two sets of DVDs containing the complete recordings to the Engineer.

CLEAN OUT STORM STRUCTURES

Upon completion of the restoration work, the contractor shall clean out all storm structures, which are located within the project area. This work shall be considered as incidental to the project cost.

MISCELLANEOUS RESTORATION ITEMS

Restoration of miscellaneous items such as, but not limited to, street signs, traffic signs, shrubbery and other ornamental landscape items which are damaged, removed, or destroyed by the Contractor in the course of the work shall be repaired or replaced by the Contractor with new materials of equal quality as existed prior to the start of work. All such items for which specific bid items are not listed in the proposal shall be considered as incidental work and shall be replaced or repaired at the expense of the Contractor.

FINAL CLEAN UP

Final clean up of the job shall be considered as incidental. Items in this category include removal of debris and litter from the site, removal of surplus materials, sweeping, repair of any damages, and clean out of drainage structures located within the work area.

Surface Restoration shall commence immediately upon completion of final grading or as MDOT seasonal limitations dictate.

RELOCATE OR BRACE UTILITY POLES AND GUY WIRES

The cost of relocating or bracing utility poles and guy wires, including all labor, materials, machinery and equipment, shall be considered incidental to the project and no extra payment shall be made for such work.

CLEANOUTS & WATER VALVE BOX ADJUSTMENT

Adjustment of cleanouts and water valve boxes, if required, shall be considered as incidental to the project cost. The Contractor shall furnish all labor, materials, tools and equipment required to adjust boxes from the existing elevation to the finished elevations.

PRIVATE UTILITY ADJUSTMENT

Adjustment and/or relocation of private utility structures such as gas valves, structure covers, riser boxes, etc. shall be considered as incidental to the project. The Contractor shall furnish all labor, materials, tools, and equipment required to adjust private utility structures to the finished elevations. If private utility structures are to be adjusted and/or relocated by their respective owners, then the Contractor shall be responsible for coordinating this work with the private utility owner as incidental to the project.

EASEMENT CONDITIONS

The Contractor shall be required to review and comply with easement conditions that are shown on the plans or contract documents. Compliance with easement conditions shall be considered as incidental to the overall project cost.

CONSTRUCTION OBSERVER DAYS

Construction Observer Days will be paid for as discussed in the Supplemental Specifications (Crew Days).

Howard Fink

From: Lindsay L. Wallace [wallacel@ewashtenaw.org]
Sent: Tuesday, May 10, 2016 3:50 PM
To: 'Jacob Rushlow'
Cc: Brett Lenart; Nathan Voght; Howard Fink
Subject: RFP - Northfield Sidewalk RFP 6881 OHM 2016_LLW_5-4-16 (3).doc
Attachments: RFP - Northfield Sidewalk RFP 6881 OHM 2016_LLW_5-4-16 (3).doc

Hi Jacob:

Please find a copy of the revised RFP for your use and review. Please note, the attachments you sent will be included once we finalize the RFP, this will create an easier merge with a pdf document.

Once you have a chance to review this document, I would like to set up some time to discuss dates with you and Nathan.

Please let me know if you have any questions or concerns.

Thanks so much,
Lindsay L. Wallace

Office of Community & Economic Development
PO Box 915, 415 W. Michigan Ave., Suite 2200
Ypsilanti, MI 48197
tel: 734-544-3056 fax: 734-544-6749
web:www.ewashtenaw.org/oced

OFFICE OF COMMUNITY & ECONOMIC DEVELOPMENT
Collaborative solutions for a promising future

REQUEST FOR PROPOSAL

#6881

Main Street Sidewalk Improvements

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Northfield Township

FOR

Washtenaw County
Office of Community & Economic Development

Issued By:

Washtenaw County Purchasing
Administration Building
220 N. Main Street
Ann Arbor, MI 48104

Angela O. Perry
Purchasing Manager
(734) 222-6768

Proposal Submitted by:

_____

Please type Bidder's Company Name & **include as proposal cover**

WASHTENAW COUNTY
Finance Department

Purchasing Division

220 N. Main, Ann Arbor, MI 48104
Phone (734) 222-6760, Fax (734) 222-6764
www.purchasing.ewashtenaw.org

RFP #6881

Month, Date, Year (bid solicitation date)

Washtenaw County Purchasing Division on behalf of Washtenaw County Office of Community and Economic Development (OCED) (Washtenaw County Department) is issuing a sealed RFP #6881for construction of new ADA compliant concrete sidewalks between existing sidewalks, new ADA compliant crosswalks of intersecting streets in the project corridor, new ADA compliant sidewalk ramps, including one Rectangular Rapid Flashing Beacon-signaled crosswalk. Effective July 1, 2015, the County has a new Local Vendor Preference (LVP) policy. Federal funded programs, whether they are receiving the funds directly or as a State pass through are exempt from the LVP policy as mandated by the Federal Register 2 CFR Chapter I, Chapter II Part 200 section 200.319 Competition 7(b) effective December 26, 2014. The project described in this RFP is federally funded and, therefore, exempt from the LVP policy. This project is being supported by Community Development Block Grant (CDBG) funds.

Sealed Proposals: Vendor will deliver one (1) **unbound original** and three (3) **bound copies each with the pricing page flagged** to the County location specified below. In addition, vendor will also deliver an electronic copy on a USB drive, CD-RW, or DVD in pdf format to the location specified below:

Washtenaw County
Administration Building
Purchasing Division
220 N. Main St. Basement
Ann Arbor, MI 48104

By MAY 11, 2016 at 3:00pm EST

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A **Mandatory Pre Bid meeting** will be held at the Northfield Township Office, 8350 Main Street, #A, Whitmore Lake, MI 48189 on Friday April 22, 2016 at 10:00AM

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Proposals received after the above cited time will be considered a late bid and are not acceptable unless waived by the Purchasing Manager.

- Your proposal submission envelope(s) must be clearly marked *including FedEx & UPS package labels* **"SEALED RFP#6881"**
- Please direct purchasing and procedural questions regarding this RFP to Angela O. Perry **via e-mail only** to perrya@ewashtenaw.org.
- Please direct technical questions regarding this RFP to Dept contact **via e-mail only** at **Lindsay Wallace, Management Analyst, at wallacel@ewashtenaw.org.**

Thank you for your interest.

BID #6881 Main Street Sidewalk Improvements – Northfield Township

PROPOSAL INFORMATION

I. PROPOSAL DEFINITIONS

Definitions

"Bidder"	An individual or business submitting a bid to Washtenaw County
"Contractor/Vendor"	One who contracts to perform services in accordance with a contract
"County"	Washtenaw County in Michigan
"Department"	Office of Community & Economic Development

II. TERMS

A. Washtenaw County reserves the right to reject any and all proposals received as a result of this RFP. If a proposal is selected, it will be the most advantageous regarding price, quality of service, the CONTRACTORS qualifications and capabilities to provide the specified service, and other factors that the County may consider. The County does not intend to award a contract fully on the basis of any response made to the proposal; the County reserves the right to consider proposals for modifications at any time before a contract would be awarded and negotiations would be undertaken with that CONTRACTOR whose proposal is deemed to best meet the County's specifications and needs.

B. The County reserves the right to reject any or all bids, to waive or not waive informalities or irregularities in bids or bidding procedures, and to accept or further negotiate cost, terms, or conditions of any bid determined by the County to be in the best interests of the County even though not the lowest bid.

C. Proposals must be signed by an official authorized to bind the CONTRACTOR to its provisions for at least a period of 90 days. Failure of the successful bidder to accept the obligation of the contract may result in the cancellation of any award.

D. In the event it becomes necessary to revise any part of the RFP, addenda will be provided. Deadlines for submission of RFP's may be adjusted to allow for revisions. To be considered, **one (1) unbound original and three (3) copies** and an electronic version in pdf format, submitted on CD-RW, DVD or USB drive must be at the County as indicated on or before the date specified.

E. Proposals should be prepared simply and economically providing a straightforward, concise description of the CONTRACTOR'S ability to meet the requirements of the RFP. Proposals must be typed. No erasures are permitted. Mistakes may be crossed out and corrected and must be initialed in ink by the person signing the proposal. *CONTRACTOR shall ensure that proposals are submitted using both sides of recycled paper whenever practicable.*

F. The initial award of this contract shall be for a period of 1 year(s), with an option to renew an additional six months(s), pending agreement by both parties.

G. CONFLICT OF INTEREST. Contractor warrants that to the best of contractor's knowledge, there exists no actual or potential conflict between contractor and the County, and its Services under this request, and in the event of change in either contractor's private interests or Services under this request, contractor will inform the County regarding possible conflict of interest which may arise as a result of the change. Contractor also affirms that, to the best of contractor's knowledge, there exists no actual or potential conflict between a County employee and Contractor.

H. The bidder shall be responsible for all costs incurred in the development and submission of this response. Washtenaw County assumes no contractual obligation as a result of the issuance of this RFP, the preparation or submission of a response by a bidder, the evaluation of an accepted response, or the selection of finalists. All proposals, including attachments, supplementary materials, addenda, etc. shall become the property of Washtenaw County and will not be returned to the bidder.

I. Any responses, materials, correspondence, or documents provided to Washtenaw County under this solicitation are subject to the State of Michigan Freedom of Information Act and may be released to third parties in compliance with that Act.

J. Local Vendor Preference – A policy adopted by the Washtenaw County Board of Commissioners (BOC) that shall govern the procurement of goods, services and food from local vendors located in Washtenaw County and the State of Michigan. The intent of the BOC is to encourage and promote economic growth and regional job development. The policy shall be applied to Washtenaw County operated programs as allowed, except those that are federally funded directly or indirectly. All other Procurement Policies and Procedures remain in full effect.

K. Vendor Appeal Process – Unsuccessful bidders may appeal an award of contract, lease or purchase order to the County Administrator. All appeals shall be made in writing to the County Administrator within five (5) business days of the Notice to Award. The County Administrator shall take necessary actions to review the appeals and respond to the individual submitting an appeal within five (5) business days. This response shall be documented in writing in the bid file.

BID #6881 Main Street Sidewalk Improvements – Northfield Township

III. VENDOR SPECIFICATIONS

The proposal shall include **all** of the following information. Failure to include all of the required information may result in disqualification of a Bidder.

Comment [JR1]: Is a bid bond and/or bid guarantee required to be submitted with each bid?

A. State the bidder's qualifications to provide the services required by Washtenaw County. Include years in business under your present company name, staff profile and experience.

(Attach as Addendum A)

B. List three (3) references from previous corporate or government customers purchasing similar services. Include business name, contact name and phone number.

(Attach as Addendum B)

C. Review contract provisions and insurance requirements. Note any limitations on any of the articles or providing insurance requirements as outlined in the contract provisions contained in Sample Contract.

(Attach as Addendum C)

D. Each Proposal shall be accompanied by a cashier's check, certified check, money order or bid bond, payable to Washtenaw County, Office of Community and Economic Development, in an amount not less than five percent (5%) of the amount of the Proposal, as a bid guarantee. The Bid Guarantee of the Bidders under consideration will be returned after approval of the Contract by the Owner. All others will be returned after the Proposal opening.

(Attach as Addendum D)

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E. The successful Bidder will be required to furnish a satisfactory Performance Bond and Labor and Material Bond, each in the amount of One Hundred Percent (100%) of the Contract.

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IV. AWARD

Award will be made to the lowest responsive, responsible bidder, with the most relevant experience and best qualifications. However, the award may not be based solely on low bid alone.

V. SCOPE OF WORK

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The work to be done under this Contract includes the furnishing of all materials, equipment, and labor necessary to construct the proposed sidewalk and pedestrian crossings as well as all necessary earthwork, cleaning and restoration in accordance with the plans and specifications.

~~++++++++++++++Type your specifications here++++++++++++++~~

DRAFT

VI. SAMPLE STANDARD PROVISIONS FOR CONTRACTS

If a contract is awarded, the selected contractor will be required to adhere to a set of general contract provisions which will become a part of any formal agreement. These provisions are general principles which apply to all contractors of service to Washtenaw County such as the following:

SERVICE CONTRACT - FEDERAL FUNDED CR_____

AGREEMENT is made this ----------_day of ---------- , 2016, by the COUNTY OF WASHTENAW, a municipal corporation, with offices located in the County Administration Building, 220 North Main Street, Ann Arbor, Michigan 48107("County") and ***(NAME OF CONTRACTOR)*** located at ***(CONTRACTOR'S ADDRESS)*** ("Contractor").

Federal Awarding Agency	
Federal / State Contract Number	
Federal Program Title	
CFDA Number	
Federal Funding %	

In consideration of the promises below, the parties mutually agree as follows:

ARTICLE I - SCOPE OF SERVICES

The Contractor will perform the scope of services described in Attachment A (bid specifications) of this project. ~~***(SPELL OUT SCOPE OF SERVICE)***~~ TThe work to be done under this Contract includes the furnishing of all materials, equipment, and labor necessary to construct the proposed sidewalk and pedestrian crossings as well as all necessary earthwork, cleaning and restoration in accordance with the plans and specifications.

ARTICLE II - COMPENSATION

Upon completion of the above services and submission of invoices the County will pay the Contractor an amount not to exceed ***(SPELL OUT DOLLAR AMOUNT)*** in accordance with specifications described in RFP # ~~_____~~6881 and services described in Attachment A (bid specifications) of this project.

Comment [JR2]: We have the project setup as a unit price bid where the contractor is paid for each item of work described in the bid form and quantities are tracked by the engineer. This language under article II appears to be a lump sum payment basis.

The contractor will comply with established COUNTY disbursement schedules and procedures. CDBG funds will be disbursed to the contractor upon submission of invoices for work completed and inspected. The contractor will provide the OCED with proof of interim & final inspections, final project budget, original Davis-Bacon and Section 3 paperwork, sworn statements from the contractor and sub-contractors, and waivers of lien with the final request for reimbursement of CDBG eligible costs. All checks, invoices, contractors, vouchers, and other accounting

documents pertaining in whole or part to this Agreement shall be clearly identified and readily accessible.

ARTICLE III - REPORTING OF CONTRACTOR

Section 1 - The Contractor is to report to ***(DEPARTMENT HEAD TITLE)*** and will cooperate and confer with him/her as necessary to insure satisfactory work progress.

Section 2 - All reports, estimates, memoranda and documents submitted by the Contractor must be dated and bear the Contractor's name.

Section 3 - All reports made in connection with these services are subject to review and final approval by the County Administrator.

Section 4 - The County may review and inspect the Contractor's activities during the term of this contract.

Section 5 - When applicable, the Contractor will submit a final, written report to the County Administrator.

Section 6 - After reasonable notice to the Contractor, the County may review any of the Contractor's internal records, reports, or insurance policies.

ARTICLE IV - TERM

This contract begins on ***(MONTH, DAY, YEAR)*** and ends on ***(MONTH, DAY, YEAR)***, *with an option to extend an additional _____ year(s).*

ARTICLE V - PERSONNEL

Section 1 - The contractor will provide the required services and will not subcontract or assign the services without the County's written approval.

Section 2 - The Contractor will not hire any County employee for any of the required services without the County's written approval.

Section 3 - The parties agree that all work done under this contract shall be completed in the United States and that none of the work will be partially or fully completed by either an offshore subcontractor or offshore business interest either owned or affiliated with the contractor. For purposes of this contract, the term, "offshore" refers to any area outside the contiguous United States, Alaska or Hawaii.

ARTICLE VI - INDEPENDENT CONTRACTOR

Contractor and the County shall, at all times, be deemed to be independent contractors and nothing herein shall be construed to create or imply that there exists between the parties a partnership, joint venture or other business organization. Contractor shall hold no authority, express or implied, to commit, obligate or make representations on behalf of the County and shall make no representation to others to the contrary.

Nothing herein is intended nor shall be construed for any purpose as creating the relationship of employer and employee or agent and principal between the parties. Except as

Comment [JR3]: General contract questions regarding items I did not see in the RFP:

Is there a performance bond and payment bond required? We would typically require this from a contractor.

Is there a maintenance and guarantee (warranty) bond required? We would typically include this with construction projects.

Is there a contractor's affidavit, declaration, and/or sworn statement required for payments to the contractor and any sub-contractors?

Comment [LLW4]: Yes, HUD funding requires a bid guarantee, performance bond and materials bond. I included this in the RFP language. I also included language in the SAMPLE contract to reflect affidavits needed, sworn statements, etc..

Comment [LLW5]: We will include the supplemental instructions to bidders in the RFP. Once the bidder is identified, we can draft the contract and include the dates in the contract.

Comment [JR6]: We include specific dates for construction start, substantial completion, and final completion. See my supplemental instructions to bidders document.

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otherwise specified in this contract, Contractor retains the sole right and obligation to direct, control or supervise the details and means by which the services under this contract are provided.

Contractor shall not be eligible for, or participate in, any insurance, pension, workers' compensation insurance, profit sharing or other plans established for the benefit of the County's employees. Contractor shall be solely responsible for payment of all taxes arising out of the Contractor's activities in connection with this Agreement, including, without limitation, federal and state income taxes, social security taxes, unemployment insurance taxes and any other tax or business license fees as required. The County shall not be responsible for withholding any income or employment taxes whatsoever on behalf of the Contractor.

ARTICLE VII - INDEMNIFICATION AGREEMENT

The contractor will protect, defend and indemnify Washtenaw County, its officers, agents, servants, volunteers and employees from any and all liabilities, claims, liens, fines, demands and costs, including legal fees, of whatsoever kind and nature which may result in injury or death to any persons, including the Contractor's own employees, and for loss or damage to any property, including property owned or in the care, custody or control of Washtenaw County in connection with or in any way incident to or arising out of the occupancy, use, service, operations, performance or non-performance of work in connection with this contract resulting in whole or in part from negligent acts or omissions of contractor, any sub-contractor, or any employee, agent or representative of the contractor or any sub-contractor.

ARTICLE VIII - INSURANCE REQUIREMENTS

The Contractor will maintain at its own expense during the term of this Contract, the following insurance:

1. Workers' Compensation Insurance with Michigan statutory limits and Employers Liability Insurance with a minimum limit of $100,000 each accident for any employee.

2. Commercial General Liability Insurance with a combined single limit of $1,000,000 each occurrence for bodily injury and property damage. The County shall be added as "additional insured" on general liability policy with respect to the services provided under this contract.

3. Automobile Liability Insurance covering all owned, hired and nonowned vehicles with Personal Protection Insurance and Property Protection Insurance to comply with the provisions of the Michigan No Fault Insurance Law, including residual liability insurance with a minimum combined single limit of $1,000,000 each accident for bodily injury and property damage. For transportation services contracts, the County shall be added as additional insured on automobile liability policy with respect to the services provided under this contract.

Insurance companies, named insureds and policy forms may be subject to the approval of the Washtenaw County Administrator, if requested by the County Administrator. Such approval shall not be unreasonably withheld. Insurance policies shall not contain endorsements or policy conditions which reduce coverage provided to Washtenaw County. Contractor shall be responsible to Washtenaw County or insurance companies insuring Washtenaw County for all costs resulting from both financially unsound insurance companies selected by Contractor and

their inadequate insurance coverage. Contractor shall furnish the Washtenaw County Administrator with satisfactory certificates of insurance or a certified copy of the policy, if requested by the County Administrator.

No payments will be made to the Contractor until the current certificates of insurance have been received and approved by the Administrator. If the insurance as evidenced by the certificates furnished by the Contractor expires or is canceled during the term of the contract, services and related payments will be suspended. Contractor shall furnish certification of insurance evidencing such coverage and endorsements at least ten (10) working days prior to commencement of services under this contract. Certificates shall be addressed to the Washtenaw County c/o: ~~***INSERT DEPARTMENT***~~***415 W. Michigan Ave., Ypsilanti, MI 48197,*** ~~***ADDRESS, CITY, STATE & ZIP CODE AND CR#***~~_____, and shall provide for written notice to the Certificate holder of cancellation of coverage.

ARTICLE IX - COMPLIANCE WITH LAWS AND REGULATIONS

The Contractor will comply with all federal, state and local regulations, including but not limited to all applicable OSHA/MIOSHA requirements and the Americans with Disabilities Act.

ARTICLE X - INTEREST OF CONTRACTOR AND COUNTY

The Contractor promises that it has no interest which would conflict with the performance of services required by this contract. The Contractor also promises that, in the performance of this contract, no officer, agent, employee of the County of Washtenaw, or member of its governing bodies, may participate in any decision relating to this contract which affects his/her personal interest or the interest of any corporation, partnership or association in which he/she is directly or indirectly interested or has any personal or pecuniary interest. However, this paragraph does not apply if there has been compliance with the provisions of Section 3 of Act No. 317 of the Public Acts of 1968 and/or Section 30 of Act No. 156 of Public Acts of 1851, as amended by Act No. 51 of the Public Acts of 1978, whichever is applicable.

ARTICLE XI - CONTINGENT FEES

The Contractor promises that it has not employed or retained any company or person, other than bona fide employees working solely for the Contractor, to solicit or secure this contract, and that it has not paid or agreed to pay any company or person, other than bona fide employees working solely for the Contractor, any fee, commission, percentage, brokerage fee, gifts or any other consideration contingent upon or resulting from the award or making of this contract. For breach of this promise, the County may cancel this contract without liability or, at its discretion, deduct the full amount of the fee, commission, percentage, brokerage fee, gift or contingent fee from the compensation due the Contractor.

ARTICLE XII – DEBARMENT AND SUSPENSION

By signing this Contract, Contractor assures the County that it will comply with Federal Regulation 45 CFR Part 76 and certifies that to the best of its knowledge and belief the Contractor and any subcontractors retained by Contractor:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any federal department or contractor;

2. Have not within a three-year period preceding this Contract been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state or

local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property;

3. Are not presently indicted or otherwise criminally or civilly charged by a government entity (federal, state or local) with commission of any of the offenses enumerated in section 2, and ;

4. Have not within a three-year period preceding this Contract had one or more public transactions (federal, state or local) terminated for cause or default.

ARTICLE XIII – LOBBYING

By signing this contract, Contractor assures the County that it will comply with Section 1352, Title 31 of the U.S. Code (pertaining to not using federal monies to influence federal contracting and financial transactions). The Contractor assures the County that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the Contractor, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the making of any Federal grant, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal grant or cooperative agreement;

2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal grant or cooperative agreement, the Contractor shall complete and submit Standard Form - LLL, Disclosure of Lobbying Activities," in accordance with its instructions;

3. This language shall be included in the award documents for all subawards at all tiers (including subgrants, contracts under grants and cooperative agreements, and subcontracts) and that all sub-recipients shall certify and disclose accordingly.

ARTICLE XIV - DRUG-FREE WORKPLACE

Grantees Other Than Individuals

A. As required by the Drug-Free Workplace Act of 1988, the Contractor assures the County that it will or will continue to provide a drug-free workplace by:
   a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
   b) Establishing an on-going drug-free awareness program to inform employees about—
      1) The dangers of drug abuse in the workplace;
      2) The grantee's policy of maintaining a drug-free workplace;
      3) Any available drug counseling, rehabilitation, *and* employee assistance programs; and
      4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;

c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);
d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will—
   1) Abide by the terms of the statement; and
   2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;
e) Notifying the County, in writing, within 10 calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to the County;
f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted—
   1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
   2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;
g) Making a good faith effort to continue to maintain a drug- free workplace through implementation of paragraphs (a), (b), (c), (d), (e), and (f).

Grantees Who Are Individuals

As required by the Drug-Free Workplace Act of 1988:

A. As a condition of the grant, the Contractor assures the County that it will not engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in conducting any activity with the grant; and
B. If convicted of a criminal drug offense resulting from a violation occurring during the conduct of any grant activity, the Contractor agrees to report the conviction, in writing, within 10 calendar days of the conviction, to the County.

ARTICLE XV - FEDERAL PROCUREMENT STANDARDS

The Contractor assures the County that it will follow federal procurement standards as described in the Code of Federal Regulations Part 215 Subpart C – Post-Award Requirements, Procurement Standards, Sections 215.40-48 when procuring goods or services with federal funds to insure that procurement decisions are made ethically and with free and open competition among those providing the goods or services.

ARTICLE XVI - EQUAL EMPLOYMENT OPPORTUNITY

The Contractor will not discriminate against any employee or applicant for employment because of race, creed, color, sex, sexual orientation, national origin, physical handicap, age, height, weight, marital status, veteran status, religion and political belief (except as it relates to a bona fide occupational qualification reasonably necessary to the normal operation of the business).

The Contractor will take affirmative action to eliminate discrimination based on sex, race, or a handicap in the hiring of applicant and the treatment of employees. Affirmative action will include, but not be limited to: Employment; upgrading, demotion or transfer; recruitment

advertisement; layoff or termination; rates of pay or other forms of compensation; selection for training, including apprenticeship.

The Contractor agrees to post notices containing this policy against discrimination in conspicuous places available to applicants for employment and employees. All solicitations or advertisements for employees, placed by or on the behalf of the Contractor, will state that all qualified applicants will receive consideration for employment without regard to race, creed, color, sex, sexual orientation, national origin, physical handicap, age, height, weight, marital status, veteran status, religion and political belief.

ARTICLE XVII - LIVING WAGE

The parties understand that the County has enacted a Living Wage Ordinance that requires covered vendors who execute a service or professional service contract with the County to pay their employees under that contract, a minimum of either $12.00 per hour with benefits or $14.07 per hour without benefits. Contractor agrees to comply with this Ordinance in paying its employees. Contractor understands and agrees that an adjustment of the living wage amounts, based upon the Health and Human Services poverty guidelines, will be made on or before April 30, 2016 and annually thereafter which amount shall be automatically incorporated into this contract. County agrees to give Contractor thirty (30) days written notice of such change. Contractor agrees to post a notice containing the County's Living Wage requirements at a location at its place of business accessed by its employees.

ARTICLE XVIII - EQUAL ACCESS

The Contractor shall provide the services set forth in Article I without discrimination on the basis of race, color, religion, national origin, sex, sexual orientation, marital status, physical handicap, or age.

ARTICLE XIX - OWNERSHIP OF DOCUMENTS AND PUBLICATION

All documents developed as a result of this contract will be freely available to the public. None may be copyrighted by the Contractor. During the performance of the services, the Contractor will be responsible for any loss of or damage to the documents while they are in its possession and must restore the loss or damage at its expense. Any use of the information and results of this contract by the Contractor must reference the project sponsorship by the County. Any publication of the information or results must be co-authored by the County.

ARTICLE XX - ASSIGNS AND SUCCESSORS

This contract is binding on the County and the Contractor, their successors and assigns. Neither the County nor the Contractor will assign or transfer its interest in this contract without the written consent of the other.

ARTICLE XXI - TERMINATION OF CONTRACT

Section 1 - Termination without cause. Either party may terminate the contract by giving thirty (30) days written notice to the other party.

Section 2 - In the event of any breach or default by the County or the Contractor of the terms and conditions of this Agreement, the party not in default will give written notice to the party in default specifying the acts and/or omissions constituting the alleged default or breach; if

within fifteen (15) working days after issuance of such notice, the party in default has failed to cure such default, then in that event, the party not in default may terminate this Agreement and exercise such other rights as are provided herein and by law for breach of contract; provided, however, that if the alleged default can be cured by the performance of work or repairs or by some act, the performance of which requires a period of time, such default will be determined to have been cured if, within the above-referenced fifteen (15) working days, the party allegedly in default has begun to cure the default and continues until such default is cured within a reasonable time.

ARTICLE XXII - PAYROLL TAXES

The Contractor is responsible for all applicable state and federal social security benefits and unemployment taxes and agrees to indemnify and protect the County against such liability.

ARTICLE XXIII- PRACTICE AND ETHICS

The parties will conform to the code of ethics of their respective national professional associations.

ARTICLE XXIV- CHANGES IN SCOPE OR SCHEDULE OF SERVICES

Changes mutually agreed upon by the County and the Contractor, will be incorporated into this contract by written amendments signed by both parties.

ARTICLE XXV - CHOICE OF LAW AND FORUM

This contract is to be interpreted by the laws of Michigan. The parties agree that the proper forum for litigation arising out of this contract is in Washtenaw County, Michigan.

ARTICLE XXVI-FEDERALLY REQUIRED PROVISIONS

When applicable, the following provisions shall apply to contracts funded in whole, or in part, by federal award monies:

For "federally assisted construction contracts" as defined by 41 CFR Part 60-1.3, Contractor must comply with the equal opportunity clause provided under 41 CFR 60—1.4(b), in accordance with Executive Order 11246, "Equal Employment Opportunity (30 FR 12319, 12935, 3 CFR Part, 1964—1965 Comp., p. 339), as amended by Executive Order 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and implementing regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor."

For all prime construction contracts exceeding $2,000.00 awarded by non-Federal entities, Contractor shall comply with the Davis-Bacon Act (40 U.S.C. 3141—3144, and 3146—3148), as supplemented by Department of Labor regulations (29 CFR Part 5, "Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction"). Contractor must pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, Contractor must be paid wages not less than once a week. The parties agree that the County will report all suspected or reported violations of this provision to the Federal awarding agency.

In addition, Contractor must also comply with the Copeland "Anti-Kickback Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Bidding or Public Work Financed in Whole or in Part by Loans or

Grants from the United States") which prohibits Contractor or Subrecipient from inducing, by any means, any person employed in the construction, completion or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. County shall report all suspected or reported violations to the Federal awarding agency.

If this contract exceeds $100,000.00 and involves the employment of mechanics or laborers, Contractor shall comply with U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). To that extent, Contractor must compute the wages of each mechanic and laborer on the basis of a standard forty (40) hour work week with hours exceeding this standard to be paid at one and one half the standard hourly rate. In addition, Contractor agrees that no mechanic or laborer shall be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous.

If the Federal award funding this Agreement meets the definition of "funding agreement" under 37 CFR, Sec. 401.2(a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental or research work under that funding agreement, the recipient or subrecipient must comply with 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency.

If this Agreement and/or subgrant exceeds $150,000.00, Contractor shall comply with all applicable standards, orders and/or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). The parties agree that the County shall report all violations of these Acts to the Federal awarding agency and the Regional Office of the Environmental Protection Agency ("EPA").

Contractor agrees to comply with all mandatory standards and policies relating to energy efficiency which are contained in the State of Michigan's energy conservation plan issued in compliance with the Energy Policy and Conservation Act. (42 U.S.C. 6201).

Contractor agrees to comply with the provisions of the Byrd Anti-Lobbying Amendment (31 U.S.C. Section 1352), which prohibits the use of federal funds by the Contractor or subcontractor of a Federal contract, grant, loan or cooperative agreement to pay any person to influence or attempt to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress or an employee of a member of Congress in connection with the federal funds awarded under this Agreement.

The parties agree that County and Contractor shall comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include, for those items where the purchase price exceeds $10,000.00 or the value of the quantity acquired by the preceding fiscal year exceeded $10,000.00, procuring only items designated in guidelines of the EPA at 40 CFR, Part 247, that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program to procuring recovered materials identified in the EPA guidelines.

ARTICLE XXVII - EXTENT OF CONTRACT

This contract represents the entire agreement between the parties and supersedes all prior representations, negotiations or agreements whether written or oral.

BID #6881 Main Street Sidewalk Improvements – Northfield Township

ATTESTED TO:

By:----------
Lawrence Kestenbaum (DATE)
County Clerk/Register

WASHTENAW COUNTY

Gregory Dill (DATE)
County Administrator

APPROVED AS TO CONTENT:

By: ----------
(DEPARTMENT HEAD) (DATE)

CONTRACTOR

(CONTRACTOR'S NAME) (DATE)

APPROVED AS TO FORM:

By: ----------
Curtis N. Hedger (DATE)
Office of Corporation Counsel

SAMPLE

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BID #6881 Main Street Sidewalk Improvements – Northfield Township

Attachment A – Specifications, Scope of Service and Timeline

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NARRATIVE DESCRIPTION/ SCOPE OF WORK:

WASHTENAW COUNTY will contract with the **CONTRACTOR** for the furnishing of all materials, equipment, and labor necessary to construct the proposed sidewalk and pedestrian crossings as well as all necessary earthwork, cleaning and restoration in accordance with the plans and specifications attached.

SPECIAL CONDITIONS:

The **CONTRACTOR** shall also coordinate with the Office of Community Development to assure that the following requirements for the public facility improvement project are met:

1. CONTRACTOR(s) must follow the requirements of the Davis-Bacon Act and Wage Determination, and the Section 3 regulations, as provided by the Office of Community Development.
2. CONTRACTOR(s) shall submit a project timeline and attend a preconstruction conference with the Office of Community Development.
3. CONTRACTOR(s) agrees that all craftsmen, mechanics and laborers it employs to work on this project shall, at a minimum, receive the prevailing wages and fringe benefits of the Building Trade Department for corresponding classes of craftsmen, mechanics and laborers for the Washtenaw County area, as determined and published by the Davis-Bacon Division of the United States Department of Labor. Contractor agrees that all subcontracts entered into by the Contractor shall contain a similar provision covering any sub-contractor's employees who perform work on this project.
4. CONTRACTOR(s) agree to maintain performance & payment bonds, as indicated in the 2016-17 RFP documents issued by Office of Community and Economic Development.

PROJECT TIMELINE:

Activity	Deadline
Contract Award	
Notice to Proceed	
Construction Start Date	
Substantial Completion Date	
Project Completion	
Project Completion Date:	

BID #6881 Main Street Sidewalk Improvements – Northfield Township

~~PRICE SHEET~~Bid Form

Item	Description	Estimated Quantity		Unit Price	Amount
1	Mobilization, Max 10%	1	Ea	$	$
2	Traffic Control	1	LS	$	$
3	Station Grading	9.4	Sta	$	$
4	Pavt, Rem	24	Syd	$	$
5	Sidewalk, Rem	9	Syd	$	$
6	Erosion Control, Silt Fence	929	Ft	$	$
7	Culv, CMP, 12 inch	35	Ft	$	$
8	Culv End Sect, CMP, 12 inch	4	Ea	$	$
9	Reconstruct Sanitary Structure	2	Ea	$	$
10	Sand Subbase, CL II	156	Ton	$	$
11	Sidewalk, Conc, 4 inch	4132	Sft	$	$
12	Sidewalk Ramp, Conc, 6 inch	100	Sft	$	$
13	Sidewalk, Conc, 6 inch	525	Sft	$	$
14	Irrigation Line	100	Ft	$	$
15	Remove and Reset Irrigation Head	10	Ea	$	$
16	Post, Steel, 3 lb	16	Ft	$	$
17	Sign, Type IIIB	12	Sft	$	$
18	RRFB Assembly	2	Ea	$	$
19	Pavt Mrkg, Ovly Cold Plastic, 6 inch, White	66	Ft	$	$
20	Pavt Mrkg, Ovly Cold Plastic, 12 inch, White	60	Ft	$	$
21	Pavt Mrkg, Ovly Cold Plastic, Ped	2	Ea	$	$
22	Pavt Mrkg, Ovly Cold Plastic, Xing	2	Ea	$	$
23	Turf Establishment	1	LS	$	$
24	Digital Video Recorded Survey	1	LS	$	$
	Total Bid Amount (ITEM 1-24 incl.):				$

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BID #6881 Main Street Sidewalk Improvements – Northfield Township

SAMPLE

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BID #6881 Main Street Sidewalk Improvements – Northfield Township

Wage Determination

General Decision Number: MI160001 02/26/2016 MI1

Superseded General Decision Number: MI20150001

State: Michigan

Construction Types: Highway (Highway, Airport & Bridge xxxxx and Sewer/Incid. to Hwy.)

Counties: Michigan Statewide.

Note: Under Executive Order (EO) 13658, an hourly minimum wage of $10.15 for calendar year 2016 applies to all contracts subject to the Davis-Bacon Act for which the solicitation was issued on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least $10.15 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2016. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/08/2016
1	01/15/2016
2	02/26/2016

CARP0004-004 06/01/2013

REMAINDER OF STATE

	Rates	Fringes
CARPENTER (Piledriver).....	$ 25.34	17.37

CARP0004-005 06/01/2013

LIVINGSTON (Townships of Brighton, Deerfield, Genoa, Hartland, Oceola & Tyrone), MACOMB, MONROE, OAKLAND, SANILAC, ST. CLAIR AND WAYNE COUNTIES

	Rates	Fringes

BID #6881 Main Street Sidewalk Improvements – Northfield Township

CARPENTER (Piledriver).....$ 28.09 24.31

ELEC0017-005 06/01/2015

STATEWIDE

	Rates	Fringes
Line Construction		
Groundman/Driver	$ 27.24	12.70
Journeyman Signal Tech, Communications Tech, Tower Tech & Fiber Optic Splicers	$ 36.97	15.37
Journeyman Specialist	$ 42.52	16.89
Operator A	$ 31.32	13.82
Operator B	$ 29.27	13.26

Classifications

Journeyman Specialist: Refers to a crew of only one person working alone.
Operator A: Shall be proficient in operating all power equipment including: Backhoe, Excavator, Directional Bore and Boom/Digger truck.
Operator B: Shall be proficient in operating any 2 of the above mentioned pieces of equipment listed under Operator A.

ENGI0324-003 06/01/2015

ALCONA, ALPENA, ARENAC, BAY, CHEBOYGAN, CLARE, CLINTON, CRAWFORD, GENESEE, GLADWIN, GRATIOT, HURON, INGHAM, IOSCO, ISABELLA, JACKSON, LAPEER, LENAWEE, LIVINGSTON, MACOMB, MIDLAND, MONROE, MONTMORENCY, OAKLAND, OGEMAW, OSCODA, OTSEGO, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLAIR, SANILAC, SHIAWASSEE, TUSCOLA, WASHTENAW AND WAYNE COUNTIES:

	Rates	Fringes
OPERATOR: Power Equipment (Steel Erection)		
GROUP 1	$ 43.82	22.05
GROUP 2	$ 44.82	22.05
GROUP 3	$ 42.32	22.05
GROUP 4	$ 43.32	22.05
GROUP 5	$ 40.82	22.05
GROUP 6	$ 41.82	22.05
GROUP 7	$ 40.55	22.05
GROUP 8	$ 41.55	22.05

BID #6881 Main Street Sidewalk Improvements – Northfield Township

GROUP 9	$ 40.10	22.05
GROUP 10	$ 41.10	22.05
GROUP 11	$ 39.37	22.05
GROUP 12	$ 40.37	22.05
GROUP 13	$ 39.01	22.05
GROUP 14	$ 40.01	22.05
GROUP 15	$ 38.37	22.05
GROUP 16	$ 36.67	22.05
GROUP 17	$ 31.56	22.05
GROUP 18	$ 30.15	22.05

FOOTNOTE:

Paid Holidays: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Engineer when operating combination of boom and jib 400' or longer

GROUP 2: Engineer when operating combination of boom and jib 400' or longer on a crane that requires an oiler

GROUP 3: Engineer when operating combination of boom and jib 300' or longer

GROUP 4: Engineer when operating combination of boom and jib 300' or longer on a crane that requires an oiler

GROUP 5: Engineer when operating combination of boom and jib 220' or longer

GROUP 6: Engineer when operating combination of boom and jib 220' or longer on a crane that requires an oiler

GROUP 7: Engineer when operating combination of boom and jib 140' or longer

GROUP 8: Engineer when operating combination of boom and jib 140' or longer on a crane that requires an oiler

GROUP 9: Tower crane & derrick operator (where operator's work station is 50 ft. or more above first sub-level)

GROUP 10: Tower crane & derrick operator (where operator's work station is 50 ft. or more above first sub-level) on a crane that requires an oiler

GROUP 11: Engineer when operating combination of boom and jib 120' or longer

BID #6881 Main Street Sidewalk Improvements – Northfield Township

GROUP 12: Engineer when operating combination of boom and jib 120' or longer on a crane that requires an oiler

GROUP 13: Crane operator; job mechanic and 3 drum hoist and excavator

GROUP 14: Crane operator on a crane that requires an oiler

GROUP 15: Hoisting operator; 2 drum hoist and rubber tired backhoe

GROUP 16: Forklift and 1 drum hoist

GROUP 17: Compressor or welder operator

GROUP 18: Oiler

ENGI0324-004 06/01/2014

AREA 1: ALLEGAN, BARRY, BERRIEN, BRANCH, CALHOUN, CASS, EATON, HILLSDALE, IONIA, KALAMAZOO, KENT, LAKE, MANISTEE, MASON, MECOSTA, MONTCALM, MUSKEGON, NEWAYGO, OCEANA, OSCEOLA, OTTAWA, ST. JOSEPH, VAN BUREN

AREA 2: ANTRIM, BENZIE, CHARLEVOIX, EMMET, GRAND TRAVERSE, KALKASKA, LEELANAU, MISSAUKEE AND WEXFORD COUNTIES:

	Rates	Fringes
OPERATOR: Power Equipment (Steel Erection)		
AREA 1		
GROUP 1	$ 29.44	21.70
GROUP 2	$ 29.19	21.70
GROUP 3	$ 28.69	21.70
GROUP 4	$ 23.59	21.70
GROUP 5	$ 21.94	21.70
GROUP 6	$ 19.34	21.70
AREA 2		
GROUP 1	$ 29.44	21.70
GROUP 2	$ 29.19	21.70
GROUP 3	$ 28.19	21.70
GROUP 4	$ 23.29	21.70
GROUP 5	$ 21.64	21.70
GROUP 6	$ 18.84	21.70

FOOTNOTES:

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

Crane operator with main boom and jib 300' or longer: $1.50 additional to the group 1 rate. Crane operator with main boom and jib 400' or longer: $3.00 additional to the group 1 rate.
PAID HOLIDAYS: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS:

GROUP 1: Crane Operator with main boom & jib 400', 300', or 220' or longer.

GROUP 2: Crane Operator with main boom & jib 140' or longer, Tower Crane; Gantry Crane; Whirley Derrick.

GROUP 3: Regular Equipment Operator, Crane, Dozer, Loader, Hoist, Straddle Wagon, Mechanic, Grader and Hydro Excavator.

GROUP 4: Air Tugger (single drum), Material Hoist Pump 6" or over, Elevators, Brokk Concrete Breaker.

GROUP 5: Air Compressor, Welder, Generators, Conveyors

GROUP 6: Oiler and fire tender

ENGI0324-005 09/01/2015

AREA 1: GENESEE, LAPEER, LIVINGSTON, MACOMB, MONROE, OAKLAND, ST. CLAIR, WASHTENAW AND WAYNE COUNTIES

AREA 2: ALCONA, ALLEGAN, ALGER, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KWEENAW, LAKE, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, SANILAC, SCHOOLCRAFT, SHIAWASSEE, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

	Rates	Fringes
OPERATOR: Power Equipment (Underground construction (including sewer)) AREA 1:		

BID #6881 Main Street Sidewalk Improvements – Northfield Township

GROUP 1	$ 31.43	21.85
GROUP 2	$ 26.45	21.85
GROUP 3	$ 25.72	21.85
GROUP 4	$ 25.15	21.85
AREA 2:		
GROUP 1	$ 29.47	21.85
GROUP 2	$ 24.58	21.85
GROUP 3	$ 24.08	21.85
GROUP 4	$ 23.80	21.85

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Backfiller tamper; Backhoe; Batch plant operator (concrete); Clamshell; Concrete paver (2 drums or larger); Conveyor loader (Euclid type); Crane (crawler, truck type or pile driving); Dozer; Dragline; Elevating grader; Endloader; Gradall (and similar type machine); Grader; Mechanic; Power shovel; Roller (asphalt); Scraper (self-propelled or tractor drawn); Side boom tractor (type D-4 or equivalent and larger); Slip form paver; Slope paver; Trencher (over 8 ft. digging capacity); Well drilling rig; Concrete pump with boom operator; Hydro Excavator

GROUP 2: Boom truck (power swing type boom); Crusher; Hoist; Pump (1 or more - 6-in. discharge or larger - gas or diesel- powered or powered by generator of 300 amperes or more - inclusive of generator); Side boom tractor (smaller than type D-4 or equivalent); Tractor (pneu-tired, other than backhoe or front end loader); Trencher (8-ft. digging capacity and smaller);Vac Truck

GROUP 3: Air compressors (600 cfm or larger); Air compressors (2 or more-less than 600 cfm); Boom truck (non-swinging, non- powered type boom); Concrete breaker (self-propelled or truck mounted - includes compressor); Concrete paver (1 drum-l/2 yd. or larger); Elevator (other than passenger); Maintenance person; Pump (2 or more-4-in. up to 6-in. discharge-gas or diesel powered - excluding submersible pumps); Pumpcrete machine (and similar equipment); Wagon drill (multiple); Welding machine or generator (2 or more-300 amp. or larger - gas or diesel powered)

GROUP 4: Boiler; Concrete saw (40 hp or over); Curing machine (self-propelled); Farm tractor (with attachment); Finishing machine (concrete); Fire person; Hydraulic pipe pushing machine; Mulching equipment; Oiler; Pumps (2 or more up to 4-in. discharge, if used 3 hours or more a day, gas or diesel powered - excluding submersible pumps); Roller (other than asphalt); Stump remover; Trencher (service); Vibrating compaction equipment, self-propelled (6 ft. wide

or over); End dump operator; Sweeper (Wayne type); Water wagon and Extend-a boom forklift

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ENGI0324-006 06/01/2015

AREA 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES
AREA 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

	Rates	Fringes
Power equipment operators: (AIRPORT, BRIDGE & HIGHWAY CONSTRUCTION)		
AREA 1		
GROUP 1	$ 31.16	22.35
GROUP 2	$ 24.43	22.35
GROUP 3	$ 25.73	22.35
GROUP 4	$ 23.87	22.35
GROUP 5	$ 23.70	22.35
AREA 2		
GROUP 1	$ 31.16	22.35
GROUP 2	$ 24.28	22.35
GROUP 3	$ 25.58	22.35
GROUP 4	$ 23.72	22.35
GROUP 5	$ 23.40	22.35

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Asphalt plant operator; Crane operator (does not include work on bridge construction projects when the crane operator is erecting structural components); Dragline operator; Shovel operator; Locomotive operator; Paver operator (5 bags or more); Elevating grader operator; Pile driving operator; Roller operator (asphalt); Blade grader operator; Trenching machine operator (ladder or wheel type); Auto-grader; Slip form paver; Self-propelled or tractor-drawn scraper; Conveyor loader operator (Euclid

type); Endloader operator (1 yd. capacity and over); Bulldozer; Hoisting engineer; Tractor operator; Finishing machine operator (asphalt); Mechanic; Pump operator (6-in. discharge or over, gas, diesel powered or generator of 300 amp. or larger); Shouldering or gravel distributing machine operator (self- propelled); Backhoe (with over 3/8 yd. bucket); Side boom tractor (type D-4 or equivalent or larger); Tube finisher (slip form paving); Gradall (and similar type machine); Asphalt paver (self- propelled); Asphalt planer (self-propelled); Batch plant (concrete-central mix); Slurry machine (asphalt); Concrete pump (3 in. and over); Roto-mill; Swinging boom truck (over 12 ton capacity); Hydro demolisher (water blaster); Farm-type tractor with attached pan

GROUP 2: Screening plant operator; Washing plant operator; Crusher operator; Backhoe (with 3/8 yd. bucket or less); Side boom tractor (smaller than D-4 type or equivalent); Sweeper (Wayne type and similar equipment); Vacuum truck operator; Batch plant (concrete dry batch)

GROUP 3: Grease Truck

GROUP 4: Air compressor operator (600 cu. ft. per min or more); Air compressor operator (two or more, less than 600 cfm); Wagon drill operator; Concrete breaker; Tractor operator (farm type with attachment)

GROUP 5: Boiler fire tender; Oiler; Fire tender; Trencher (service); Flexplane operator; Cleftplane operator; Grader operator (self-propelled fine-grade or form (concrete)); Finishing machine operator (concrete); Boom or winch hoist truck operator; Endloader operator (under 1 yd. capacity); Roller operator (other than asphalt); Curing equipment operator (self-propelled); Concrete saw operator (40 h.p. or over); Power bin operator; Plant drier operator (asphalt); Vibratory compaction equipment operator (6 ft. wide or over); Guard post driver operator (power driven); All mulching equipment; Stump remover; Concrete pump (under 3-in.); Mesh installer (self- propelled); Tractor operator (farm type); End dump; Skid steer

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ENGI0324-007 05/01/2015

ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES:

	Rates	Fringes

BID #6881 Main Street Sidewalk Improvements – Northfield Township

OPERATOR: Power Equipment (Steel Erection)		
Compressor, welder and forklift	$ 25.21	22.05
Crane operator, main boom & jib 120' or longer	$ 29.96	22.05
Crane operator, main boom & jib 140' or longer	$ 29.21	22.05
Crane operator, main boom & jib 220' or longer	$ 29.46	22.05
Mechanic with truck and tools	$ 29.96	22.05
Oiler and fireman	$ 23.91	22.05
Regular operator	$ 28.46	22.05

ENGI0324-008 10/01/2015

ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MACOMB, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MONROE, MUSKEGON, NEWAYGO, OAKLAND, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN, WASHTENAW, WAYNE AND WEXFORD COUNTIES

	Rates	Fringes
OPERATOR: Power Equipment (Sewer Relining)		
GROUP 1	$ 30.70	12.93
GROUP 2	$ 29.17	12.93

SEWER RELINING CLASSIFICATIONS

GROUP 1: Operation of audio-visual closed circuit TV system, including remote in-ground cutter and other equipment used in connection with the CCTV system

GROUP 2: Operation of hot water heaters and circulation systems, water jetters and vacuum and mechanical debris removal systems

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BID #6881 Main Street Sidewalk Improvements – Northfield Township

ENGI0325-012 05/01/2015

AREA 1: MACOMB, MONROE, OAKLAND, ST. CLAIR, WASHTENAW AND WAYNE COUNTIES

AREA 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

	Rates	Fringes
Power equipment operators - gas distribution and duct installation work:		
AREA 1		
GROUP 1	$ 28.73	22.30
GROUP 2	$ 28.60	22.30
GROUP 3	$ 27.48	22.30
GROUP 4	$ 26.90	22.30
AREA 2		
GROUP 1	$ 27.82	22.30
GROUP 2-A	$ 27.72	22.30
GROUP 2-B	$ 27.50	22.30
GROUP 3	$ 26.72	22.30
GROUP 4	$ 26.22	22.30

SCOPE OF WORK: The construction, installation, treating and reconditioning of pipelines transporting gas vapors within cities, towns, subdivisions, suburban areas, or within private property boundaries, up to and including private meter settings of private industrial, governmental or other premises, more commonly referred to as "distribution work," starting from the first metering station, connection, similar or related facility, of the main or cross country pipeline and including duct installation.

AREA 1:

GROUP 1: Backhoe, crane, grader, mechanic, dozer (D-6 equivalent or larger), side boom (D-4 equivalent or

larger), trencher(except service), endloader (2 yd. capacity or greater).
GROUP 2: Dozer (less than D-6 equivalent), endloader (under 2 yd. capacity), side boom (under D-4 capacity), backfiller, pumps (1 or 2 of 6-inch discharge or greater), boom truck (with powered boom), tractor (wheel type other than backhoe or front endloader).

GROUP 3: Tamper (self-propelled), boom truck (with non-powered boom), concrete saw (20 hp or larger), pumps (2 to 4 under 6-inch discharge), compressor (2 or more or when one is used continuously into the second day) and trencher(service).

GROUP 4: Oiler, hydraulic pipe pushing machine, grease person and hydrostatic testing operator.

AREA 2:

GROUP 1: Mechanic, crane (over 1/2 yd. capacity), backhoe (over 1/2 yd. capacity), grader (Caterpillar 12 equivalent or larger)

GROUP 2-A: Trencher(except service), backhoe (1/2 yd. capacity or less)

GROUP 2-B: Crane (1/2 yd. capacity or less), compressor (2 or more), dozer (D-4 equivalent or larger), endloader (1 yd. capacity or larger), pump (1 or 2 six-inch or larger), side boom (D-4 equivalent or larger)

GROUP 3: Backfiller, boom truck (powered), concrete saw (20 hp or larger), dozer (less than D-4 equivalent), endloader (under 1 yd. capacity), farm tractor (with attachments), pump (2 - 4 under six-inch capacity), side boom tractor(less than D-4 equivalent), tamper (self-propelled), trencher service and grader maintenance

GROUP 4: Oiler, grease person and hydrostatic testing operator

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IRON0008-007 05/01/2015

ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES:

	Rates	Fringes
Ironworker - pre-engineered		

Sample

metal building erector	$ 23.70	6.95
IRONWORKER		
General contracts		
$10,000,000 or greater	$ 26.52	24.35
General contracts less		
than $10,000,000	$ 23.11	24.35

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

IRON0025-002 06/01/2015

ALCONA, ALPENA, ARENAC, BAY, CHEBOYGAN, CLARE, CLINTON, CRAWFORD, GENESEE, GLADWIN, GRATIOT, HURON, INGHAM, IOSCO, ISABELLA, JACKSON, LAPEER, LIVINGSTON, MACOMB, MIDLAND, MONTMORENCY, OAKLAND, OGEMAW, OSCODA, OTSEGO, PRESQUE ISLE, ROSCOMMON, SAGINAW, SANILAC, SHIAWASSEE, ST. CLAIR, TUSCOLA, WASHTENAW AND WAYNE COUNTIES:

	Rates	Fringes
Ironworker - pre-engineered metal building erector Alcona, Alpena, Arenac, Cheboygan, Clare, Clinton, Crawford, Gladwin, Gratiot, Huron, Ingham, Iosco, Isabella, Jackson, Lapeer, Livingston (west of Burkhardt Road), Montmorency, Ogemaw, Oscoda, Otsego, Presque Isle, Roscommon, Sanilac, Shiawassee, Tuscola & Washtenaw (west of U.S. 23)	$ 22.17	20.13
Bay, Genesee, Lapeer, Livingston (east of Burkhardt Road), Macomb, Midland, Oakland, Saginaw, St. Clair, The University of Michigan, Washtenaw (east of U.S. 23) & Wayne	$ 23.39	21.13
IRONWORKER		
Ornamental and Structural	$ 33.78	27.84
Reinforcing	$ 28.30	24.60

IRON0055-005 07/01/2013

LENAWEE AND MONROE COUNTIES:

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

	Rates	Fringes
IRONWORKER		
Pre-engineered metal buildings	$ 23.59	19.35
All other work	$ 28.32	19.35

IRON0292-003 06/01/2015

BERRIEN AND CASS COUNTIES:

	Rates	Fringes
IRONWORKER (Including pre-engineered metal building erector)	$ 28.31	20.00

IRON0340-001 06/01/2015

ALLEGAN, ANTRIM, BARRY, BENZIE, BRANCH, CALHOUN, CHARLEVOIX, EATON, EMMET, GRAND TRAVERSE, HILLSDALE, IONIA, KALAMAZOO, KALKASKA, KENT, LAKE, LEELANAU, MANISTEE, MASON, MECOSTA, MISSAUKEE, MONTCALM, MUSKEGON, NEWAYGO, OCEANA, OSCEOLA, OTTAWA, ST. JOSEPH, VAN BUREN AND WEXFORD COUNTIES:

	Rates	Fringes
IRONWORKER (Including pre-engineered metal building erector)	$ 21.68	24.37

LABO0005-006 10/01/2014

	Rates	Fringes
Laborers - hazardous waste abatement: (ALCONA, ALPENA, ANTRIM, BENZIE, CHARLEVOIX, CHEBOYGAN, CRAWFORD, EMMET, GRAND TRAVERSE, IOSCO, KALKASKA, LEELANAU, MISSAUKEE, MONTMORENCY, OSCODA, OTSEGO, PRESQUE ISLE AND WEXFORD COUNTIES - Zone 10)		
Levels A, B or C	$ 17.45	12.75
Work performed in conjunction with site preparation not requiring		

SAMPLE

the use of personal protective equipment;
Also, Level D.....$ 16.45 12.75
Laborers - hazardous waste abatement: (ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC, MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES - Zone 11)
Levels A, B or C.....$ 20.91 12.78
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 19.91 12.78
Laborers - hazardous waste abatement: (ALLEGAN, BARRY, BERRIEN, BRANCH, CALHOUN, CASS, IONIA COUNTY (except the city of Portland); KALAMAZOO, KENT, LAKE, MANISTEE, MASON, MECOSTA, MONTCALM, MUSKEGON, NEWAYGO, OCEANA, OSCEOLA, OTTAWA, ST. JOSEPH AND VAN BUREN COUNTIES - Zone 9)
Levels A, B or C.....$ 19.99 12.75
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 18.99 12.75
Laborers - hazardous waste abatement: (ARENAC, BAY, CLARE, GLADWIN, GRATIOT, HURON, ISABELLA, MIDLAND, OGEMAW, ROSCOMMON, SAGINAW AND TUSCOLA COUNTIES - Zone 8)
Levels A, B or C.....$ 20.02 12.75
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 19.02 12.75
Laborers - hazardous waste abatement: (CLINTON, EATON

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

AND INGHAM COUNTIES; IONIA COUNTY (City of Portland); LIVINGSTON COUNTY (west of Oak Grove Rd., including the City of Howell) - Zone 6)

Levels A, B or C.....$ 23.29 12.75

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;

Also, Level D.....$ 22.29 12.75

Laborers - hazardous waste abatement: (GENESEE, LAPEER AND SHIAWASSEE COUNTIES - Zone 7)

Levels A, B or C.....$ 23.40 12.79

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;

Also, Level D.....$ 22.40 12.79

Laborers - hazardous waste abatement: (HILLSDALE, JACKSON AND LENAWEE COUNTIES - Zone 4)

Levels A, B or C.....$ 30.00 14.09

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;

Also, Level D.....$ 29.00 14.09

Laborers - hazardous waste abatement: (LIVINGSTON COUNTY (east of Oak Grove Rd. and south of M-59, excluding the city of Howell); AND WASHTENAW COUNTY - Zone 3)

Levels A, B or C.....$ 29.32 13.85

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;

Also, Level D.....$ 28.32 13.85

Laborers - hazardous waste abatement: (MACOMB AND WAYNE COUNTIES - Zone 1)

Levels A, B or C.....$ 27.94 16.55

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 26.94 16.55
Laborers - hazardous waste abatement: (MONROE COUNTY - Zone 4)
Levels A, B or C.....$ 30.00 14.09
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 29.00 14.09
Laborers - hazardous waste abatement: (OAKLAND COUNTY and the Northeast portion of LIVINGSTON COUNTY bordered by Oak Grove Road on the West and M-59 on the South - Zone 2)
Level A, B, C.....$ 27.94 16.55
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 26.94 16.55
Laborers - hazardous waste abatement: (SANILAC AND ST. CLAIR COUNTIES - Zone 5)
Levels A, B or C.....$ 24.97 15.19
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 23.97 15.19

LABO0259-001 09/01/2015

AREA 1: MACOMB, OAKLAND AND WAYNE COUNTIES
AREA 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE,

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONROE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN, WASHTENAW AND WEXFORD COUNTIES

	Rates	Fringes
Laborers - tunnel, shaft and caisson:		
AREA 1		
GROUP 1	$ 21.57	16.68
GROUP 2	$ 21.68	16.68
GROUP 3	$ 21.74	16.68
GROUP 4	$ 21.92	16.68
GROUP 5	$ 22.17	16.68
GROUP 6	$ 22.50	16.68
GROUP 7	$ 15.78	16.68
AREA 2		
GROUP 1	$ 23.10	12.75
GROUP 2	$ 23.19	12.75
GROUP 3	$ 23.29	12.75
GROUP 4	$ 23.45	12.75
GROUP 5	$ 23.71	12.75
GROUP 6	$ 24.02	12.75
GROUP 7	$ 16.29	12.75

SCOPE OF WORK: Tunnel, shaft and caisson work of every type and description and all operations incidental thereto, including, but not limited to, shafts and tunnels for sewers, water, subways, transportation, diversion, sewerage, caverns, shelters, aquafers, reservoirs, missile silos and steel sheeting for underground construction.

TUNNEL LABORER CLASSIFICATIONS

GROUP 1: Tunnel, shaft and caisson laborer, dump, shanty, hog house tender, testing (on gas) and watchman

GROUP 2: Manhole, headwall, catch basin builder, bricklayer tender, mortar machine and material mixer

GROUP 3: Air tool operator (jackhammer, bush hammer and grinder), first bottom, second bottom, cage tender, car pusher, carrier, concrete, concrete form, concrete repair, cement invert laborer, cement finisher, concrete shoveler, conveyor, floor, gasoline and electric tool operator, gunite, grout operator, welder, heading dinky person, inside lock tender, pea gravel operator, pump, outside lock

tender, scaffold, top signal person, switch person, track, tugger, utility person, vibrator, winch operator, pipe jacking, wagon drill and air track operator and concrete saw operator (under 40 h.p.)

GROUP 4: Tunnel, shaft and caisson mucker, bracer, liner plate, long haul dinky driver and well point

GROUP 5: Tunnel, shaft and caisson miner, drill runner, key board operator, power knife operator, reinforced steel or mesh (e.g. wire mesh, steel mats, dowel bars, etc.)

GROUP 6: Dynamite and powder

GROUP 7: Restoration laborer, seeding, sodding, planting, cutting, mulching and top soil grading; and the restoration of property such as replacing mailboxes, wood chips, planter boxes, flagstones, etc.

LABO0334-001 09/01/2015

	Rates	Fringes
Laborers - open cut:		
ZONE 1 - MACOMB, OAKLAND AND WAYNE COUNTIES:		
GROUP 1	$ 21.42	16.68
GROUP 2	$ 21.53	16.68
GROUP 3	$ 21.58	16.68
GROUP 4	$ 21.66	16.68
GROUP 5	$ 21.72	16.68
GROUP 6	$ 19.17	16.68
GROUP 7	$ 15.79	16.68
ZONE 2 - LIVINGSTON COUNTY (east of M-151 (Oak Grove Rd.)); MONROE AND WASHTENAW COUNTIES:		
GROUP 1	$ 22.75	12.75
GROUP 2	$ 22.86	12.75
GROUP 3	$ 22.98	12.75
GROUP 4	$ 23.05	12.75
GROUP 5	$ 23.20	12.75
GROUP 6	$ 20.50	12.75
GROUP 7	$ 17.14	12.75
ZONE 3 - CLINTON, EATON, GENESEE, HILLSDALE AND INGHAM COUNTIES; IONIA COUNTY (City of Portland); JACKSON, LAPEER AND LENAWEE COUNTIES;		

BID #6881 Main Street Sidewalk Improvements – Northfield Township

LIVINGSTON COUNTY (west of M-151 Oak Grove Rd.); SANILAC, ST. CLAIR AND SHIAWASSEE COUNTIES:

GROUP 1	$ 20.94	12.75
GROUP 2	$ 21.08	12.75
GROUP 3	$ 21.20	12.75
GROUP 4	$ 21.25	12.75
GROUP 5	$ 21.39	12.75
GROUP 6	$ 18.69	12.75
GROUP 7	$ 15.84	12.75

ZONE 4 - ALCONA, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CLARE, CRAWFORD, EMMET, GLADWIN, GRAND TRAVERSE, GRATIOT AND HURON COUNTIES; IONIA COUNTY (EXCEPT THE CITY OF PORTLAND); IOSCO, ISABELLA, KALAMAZOO, KALKASKA, KENT, LAKE,LEELANAU, MANISTEE, MASON, MECOSTA, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES:

GROUP 1	$ 19.95	12.75
GROUP 2	$ 20.08	12.75
GROUP 3	$ 20.19	12.75
GROUP 4	$ 20.26	12.75
GROUP 5	$ 20.38	12.75
GROUP 6	$ 17.60	12.75
GROUP 7	$ 15.94	12.75

ZONE 5 - ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC, MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES:

GROUP 1	$ 20.26	12.75

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

GROUP 2	$ 20.40	12.75
GROUP 3	$ 20.53	12.75
GROUP 4	$ 20.58	12.75
GROUP 5	$ 20.63	12.75
GROUP 6	$ 18.01	12.75
GROUP 7	$ 16.12	12.75

SCOPE OF WORK:

Open cut construction work shall be construed to mean work which requires the excavation of earth including industrial, commercial and residential building site excavation and preparation, land balancing, demolition and removal of concrete and underground appurtenances, grading, paving, sewers, utilities and improvements; retention, oxidation, flocculation and irrigation facilities, and also including but not limited to underground piping, conduits, steel sheeting for underground construction, and all work incidental thereto, and general excavation. For all areas except the Upper Peninsula, open cut construction work shall also be construed to mean waterfront work, piers, docks, seawalls, breakwalls, marinas and all incidental work. Open cut construction work shall not include any structural modifications, alterations, additions and repairs to buildings, or highway work, including roads, streets, bridge construction and parking lots or steel erection work and excavation for the building itself and back filling inside of and within 5 ft. of the building and foundations, footings and piers for the building. Open cut construction work shall not include any work covered under Tunnel, Shaft and Caisson work.

OPEN CUT LABORER CLASSIFICATIONS

GROUP 1: Construction laborer

GROUP 2: Mortar and material mixer, concrete form person, signal person, well point person, manhole, headwall and catch basin builder, headwall, seawall, breakwall and dock builder

GROUP 3: Air, gasoline and electric tool operator, vibrator operator, driller, pump person, tar kettle operator, bracer, rodder, reinforced steel or mesh person (e.g., wire mesh, steel mats, dowel bars, etc.), welder, pipe jacking and boring person, wagon drill and air track operator and concrete saw operator (under 40 h.p.), windlass and tugger person and directional boring person

GROUP 4: Trench or excavating grade person

BID #6881 Main Street Sidewalk Improvements – Northfield Township

GROUP 5: Pipe layer (including crock, metal pipe, multi-plate or other conduits)

GROUP 6: Grouting man, audio-visual television operations and all other operations in connection with closed circuit television inspection, pipe cleaning and pipe relining work and the installation and repair of water service pipe and appurtenances

GROUP 7: Restoration laborer, seeding, sodding, planting, cutting, mulching and top soil grading; and the restoration of property such as replacing mailboxes, wood chips, planter boxes, flagstones, etc.

LABO0465-001 06/01/2015

LABORER: Highway, Bridge and Airport Construction

AREA 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES

AREA 2: ALLEGAN, BARRY, BAY, BERRIEN, BRANCH, CALHOUN, CASS, CLINTON, EATON, GRATIOT, HILLSDALE, HURON, INGHAM, JACKSON, KALAMAZOO, LAPEER, LENAWEE, LIVINGSTON, MIDLAND, MUSKEGON, SAGINAW, SANILAC, SHIAWASSEE, ST. CLAIR, ST. JOSEPH, TUSCOLA AND VAN BUREN COUNTIES

AREA 3: ALCONA, ALPENA, ANTRIM, ARENAC, BENZIE, CHARLEVOIX, CHEBOYGAN, CLARE, CRAWFORD, EMMET, GLADWIN, GRAND TRAVERSE, IONIA, IOSCO, ISABELLA, KALKASKA, KENT, LAKE, LEELANAU, MANISTEE, MASON, MECOSTA, MISSAUKEE, MONTCALM, MONTMORENCY, NEWAYGO, OCEANA, OGEMAW, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON AND WEXFORD COUNTIES

AREA 4: ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC, MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES

	Rates	Fringes
LABORER (AREA 1)		
GROUP 1	$ 25.06	13.00
GROUP 2	$ 25.19	13.00
GROUP 3	$ 25.37	13.00
GROUP 4	$ 25.45	13.00
GROUP 5	$ 25.66	13.00
GROUP 6	$ 25.96	13.00
LABORER (AREA 2)		
GROUP 1	$ 23.06	12.95

GROUP 2	$ 23.26	12.95
GROUP 3	$ 23.50	12.95
GROUP 4	$ 23.85	12.95
GROUP 5	$ 23.72	12.95
GROUP 6	$ 24.06	12.95
LABORER (AREA 3)		
GROUP 1	$ 22.31	12.95
GROUP 2	$ 22.52	12.95
GROUP 3	$ 22.81	12.95
GROUP 4	$ 23.25	12.95
GROUP 5	$ 22.87	12.95
GROUP 6	$ 23.30	12.95
LABORER (AREA 4)		
GROUP 1	$ 22.31	12.95
GROUP 2	$ 22.52	12.95
GROUP 3	$ 22.81	12.95
GROUP 4	$ 23.25	12.95
GROUP 5	$ 22.87	12.95
GROUP 6	$ 23.30	12.95

LABORER CLASSIFICATIONS

GROUP 1: Asphalt shoveler or loader; asphalt plant misc.; burlap person; yard person; dumper (wagon, truck, etc.); joint filling laborer; miscellaneous laborer; unskilled laborer; sprinkler laborer; form setting laborer; form stripper; pavement reinforcing; handling and placing (e.g., wire mesh, steel mats, dowel bars); mason's tender or bricklayer's tender on manholes; manhole builder; headwalls, etc.; waterproofing,(other than buildings) seal coating and slurry mix, shoring, underpinning; pressure grouting; bridge pin and hanger removal; material recycling laborer; horizontal paver laborer (brick, concrete, clay, stone and asphalt); ground stabilization and modification laborer; grouting; waterblasting; top person; railroad track and trestle laborer; carpenters' tender; guard rail builders' tender; earth retention barrier and wall and M.S.E. wall installer's tender; highway and median installer's tender(including sound, retaining, and crash barriers); fence erector's tender; asphalt raker tender; sign installer; remote control operated equipment.

GROUP 2: Mixer operator (less than 5 sacks); air or electric tool operator (jackhammer, etc.); spreader; boxperson (asphalt, stone, gravel); concrete paddler; power chain saw operator; paving batch truck dumper; tunnel mucker (highway work only); concrete saw (under 40 h.p.) and dry pack machine; roto-mill grounds person.

GROUP 3: Tunnel miner (highway work only); finishers tenders; guard rail builders; highway and median barrier installer;

earth retention barrier and wall and M.S.E. wall installer's (including sound, retaining and crash barriers); fence erector; bottom person; powder person; wagon drill and air track operator; diamond and core drills; grade checker; certified welders; curb and side rail setter's tender.

GROUP 4: Asphalt raker

GROUP 5: Pipe layers, oxy-gun

GROUP 6: Line-form setter for curb or pavement; asphalt screed checker/screw man on asphalt paving machines.

LABO1076-005 04/01/2015

MICHIGAN STATEWIDE

	Rates	Fringes
LABORER (DISTRIBUTION WORK)		
Zone 1	$ 19.77	12.75
Zone 2	$ 18.15	12.75
Zone 3	$ 16.38	12.75
Zone 4	$ 15.75	12.75
Zone 5	$ 15.75	12.75

DISTRIBUTION WORK - The construction, installation, treating and reconditioning of distribution pipelines transporting coal, oil, gas or other similar materials, vapors or liquids, including pipelines within private property boundaries, up to and including the meter settings on residential, commercial, industrial, institutional, private and public structures. All work covering pumping stations and tank farms not covered by the Building Trades Agreement. Other distribution lines with the exception of sewer, water and cable television are included.

Underground Duct Layer Pay: $.40 per hour above the base pay rate.

Zone 1 - Macomb, Oakland and Wayne
Zone 2 - Monroe and Washtenaw
Zone 3 - Bay, Genesee, Lapeer, Midland, Saginaw, Sanilac, Shiawassee and St. Clair
Zone 4 - Alger, Baraga, Chippewa, Delta, Dickinson, Gogebic, Houghton, Iron, Keweenaw, Luce, Mackinac, Marquette, Menominee, Ontonagon and Schoolcraft
Zone 5 - Remaining Counties in Michigan

BID #6881 Main Street Sidewalk Improvements – Northfield Township

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PAIN0022-002 07/01/2008

HILLSDALE, JACKSON AND LENAWEE COUNTIES; LIVINGSTON COUNTY (east of the eastern city limits of Howell, not including the city of Howell, north to the Genesee County line and south to the Washtenaw County line); MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES:

	Rates	Fringes
PAINTER	$ 25.06	14.75

FOOTNOTES: For all spray work and journeyman rigging for spray work, also blowing off, $0.80 per hour additional (applies only to workers doing rigging for spray work on off the floor work. Does not include setting up or moving rigging on floor surfaces, nor does it apply to workers engaged in covering up or tending spray equipment. For all sandblasting and spray work performed on highway bridges, overpasses, tanks or steel, $0.80 per hour additional. For all brushing, cleaning and other preparatory work (other than spraying or steeplejack work) at scaffold heights of fifty (50) feet from the ground or higher, $0.50 per hour additional. For all preparatorial work and painting performed on open steel under forty (40) feet when no scaffolding is involved, $0.50 per hour additional. For all swing stage work-window jacks and window belts-exterior and interior, $0.50 per hour additional. For all spray work and sandblaster work to a scaffold height of forty (40) feet above the floor level, $0.80 per hour additional. For all preparatorial work and painting on all highway bridges or overpasses up to forty (40) feet in height, $0.50 per hour additional. For all steeplejack work performed where the elevation is forty (40) feet or more, $1.25 per hour additional.

PAIN0312-001 06/12/2014

EXCLUDES: ALLEGAN COUNTY (Townships of Dorr, Fillmore, Heath, Hopkins, Laketown, Leighton, Manlius, Monterey, Overisel, Salem, Saugatuck and Wayland); INCLUDES: Barry, Berrien, Branch, Calhoun, Cass, Hillsdale, Kalamazoo, St. Joseph, Van Buren

	Rates	Fringes
PAINTER		

BID #6881 Main Street Sidewalk Improvements – Northfield Township

Brush and roller	$ 21.75	11.94
Spray, Sandblast, Sign Painting	$ 22.75	11.94

PAIN0845-003 05/21/2014

CLINTON COUNTY; EATON COUNTY (does not include the townships of Bellevue and Olivet); INGHAM COUNTY; IONIA COUNTY (east of Hwy. M 66); LIVINGSTON COUNTY (west of the eastern city limits of Howell, including the city of Howell, north to the Genesee County line and south to the Washtenaw County line); AND SHIAWASSEE COUNTY (Townships of Bennington, Laingsbury and Perry):

	Rates	Fringes
PAINTER	$ 21.89	11.85

PAIN0845-015 05/21/2014

MUSKEGON COUNTY; NEWAYGO COUNTY (except the Townships of Barton, Big Prairie, Brooks, Croton, Ensley, Everett, Goodwell, Grant, Home, Monroe, Norwich and Wilcox); OCEANA COUNTY; OTTAWA COUNTY (except the townships of Allendale, Blendone, Chester, Georgetown, Holland, Jamestown, Olive, Park, Polkton, Port Sheldon, Tallmadge, Wright and Zeeland):

	Rates	Fringes
PAINTER	$ 21.89	11.85

PAIN0845-018 05/21/2014

ALLEGAN COUNTY (Townships of Dorr, Fillmore, Heath, Hopkins, Laketown, Leighton, Manlius, Monterey, Overisel, Salem, Saugatuck and Wayland); IONIA COUNTY (west of Hwy. M-66); KENT, MECOSTA AND MONTCALM COUNTIES; NEWAYGO COUNTY (Townships of Barton, Big Prairie, Brooks, Croton, Ensley, Everett, Goodwell, Grant, Home, Monroe, Norwich and Wilcox); OSCEOLA COUNTY (south of Hwy. #10); OTTAWA COUNTY (Townships of Allendale, Blendone, Chester, Georgetown, Holland, Jamestown, Olive, Park, Polkton, Port Sheldon, Tallmadge, Wright and Zeeland):

	Rates	Fringes
PAINTER	$ 21.89	11.85

FOOTNOTES: Lead abatement work: $1.00 per hour additional.

BID #6881 Main Street Sidewalk Improvements – Northfield Township

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PAIN1011-003 06/05/2014

ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC, MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES:

	Rates	Fringes
PAINTER	$ 24.15	10.52

FOOTNOTES: High pay (bridges, overpasses, watertower): 30 to 80 ft.: $.65 per hour additional. 80 ft. and over: $1.30 per hour additional.

PAIN1474-002 06/01/2010

HURON COUNTY; LAPEER COUNTY (east of Hwy. M-53); ST. CLAIR, SANILAC AND TUSCOLA COUNTIES:

	Rates	Fringes
PAINTER	$ 23.79	12.02

FOOTNOTES: Lead abatement work: $1.00 per hour additional. Work with any hazardous material: $1.00 per hour additional. Sandblasting, steam cleaning and acid cleaning: $1.00 per hour additional. Ladder work at or above 40 ft., scaffold work at or above 40 ft., swing stage, boatswain chair, window jacks and all work performed over a falling height of 40 ft.: $1.00 per hour additional. Spray gun work, pick pullers and those handling needles, blowing off by air pressure, and any person rigging (setting up and moving off the ground): $1.00 per hour additional. Steeplejack, tanks, gas holders, stacks, flag poles, radio towers and beacons, power line towers, bridges, etc.: $1.00 per hour additional, paid from the ground up.

PAIN1803-003 12/01/2015

ALCONA, ALPENA, ANTRIM, ARENAC, BAY, BENZIE, CHARLEVOIX, CHEBOYGAN, CLARE, CRAWFORD, EMMET, GLADWIN, GRAND TRAVERSE, GRATIOT, IOSCO, ISABELLA, KALKASKA, LAKE, LEELANAU, MANISTEE, MASON, MIDLAND, MISSAUKEE, MONTMORENCY AND OGEMAW COUNTIES; OSCEOLA COUNTY (north of Hwy. #10); OSCODA, OTSEGO, PRESQUE ISLE, ROSCOMMON, SAGINAW AND WEXFORD COUNTIES:

BID #6881 Main Street Sidewalk Improvements – Northfield Township

	Rates	Fringes
PAINTER		
Work performed on water, bridges over water or moving traffic, radio and powerline towers, elevated tanks, steeples, smoke stacks over 40 ft. of falling heights, recovery of lead-based paints and any work associated with industrial plants, except maintenance of industrial		
plants	$ 24.50	13.25
All other work, including maintenance of industrial		
plant	$ 23.08	13.25

FOOTNOTES: Spray painting, sandblasting, blowdown associated with spraying and blasting, water blasting and work involving a swing stage, boatswain chair or spider: $1.00 per hour additional. All work performed inside tanks, vessels, tank trailers, railroad cars, sewers, smoke stacks, boilers or other spaces having limited egress not including buildings, opentop tanks, pits, etc.: $1.25 per hour additional.

PLAS0514-001 06/01/2014

ZONE 1: GENESEE, LIVINGSTON, MACOMB, MONROE, OAKLAND, SAGINAW, WASHTENAW AND WAYNE COUNTIES

ZONE 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SANILAC, SCHOOLCRAFT, SHIAWASSEE, ST. CLAIR, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

	Rates	Fringes

BID #6881 Main Street Sidewalk Improvements – Northfield Township

CEMENT MASON/CONCRETE FINISHER
ZONE 1.....$ 29.59 12.59
ZONE 2.....$ 28.29 12.59

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* PLUM0190-003 05/01/2015

ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MACOMB, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MONROE, MUSKEGON, NEWAYGO, OAKLAND, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN, WASHTENAW, WAYNE AND WEXFORD COUNTIES

	Rates	Fringes
Plumber/Pipefitter - gas distribution pipeline: Welding in conjunction with gas distribution pipeline work	$ 33.03	20.19
All other work:	$ 24.19	12.28

TEAM0007-004 06/01/2015

AREA 1: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, SANILAC, SCHOOLCRAFT, SHIAWASSEE, ST. CLAIR, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

AREA 2: GENESEE, LIVINGSTON, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES

	Rates	Fringes

BID #6881 Main Street Sidewalk Improvements – Northfield Township

TRUCK DRIVER
AREA 1
Euclids, double bottoms
and lowboys.....$ 25.05 .50 + a+b
Trucks under 8 cu. yds.....$ 24.80 .50 + a+b
Trucks, 8 cu. yds. and
over.....$ 24.90 .50 + a+b
AREA 2
Euclids, double bottomms
and lowboys.....$ 24.895 .50 + a+b
Euclids, double bottoms
and lowboys.....$ 25.15 .50 + a+b
Trucks under 8 cu. yds.....$ 24.90 .50 + a+b
Trucks, 8 cu. yds. and
over.....$ 25.00 .50 + a+b

Footnote:
a. $419.45 per week
b. $59.50 daily

TEAM0247-004 06/01/2004

AREA 1: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SANILAC, SCHOOLCRAFT, SHIAWASSEE, SAGINAW, ST. CLAIR, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

AREA 2: GENESEE, LIVINGSTON, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES

	Rates	Fringes
Sign Installer		
AREA 1		
GROUP 1	$ 20.18	.15 + a
GROUP 2	$ 19.93	.15 + a
AREA 2		
GROUP 1	$ 21.73	.15 + a
GROUP 2	$ 21.48	.15 + a

FOOTNOTE:

SAMPLE

a. $132.70 per week, plus $17.80 per day.

SIGN INSTALLER CLASSIFICATIONS:

GROUP 1: performs all necessary labor and uses all tools required to construct and set concrete forms required in the installation of highway and street signs

GROUP 2: performs all miscellaneous labor, uses all hand and power tools, and operates all other equipment, mobile or otherwise, required for the installation of highway and street signs

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TEAM0247-010 04/01/2015

AREA 1: LAPEER AND SHIAWASSEE COUNTIES

AREA 2: GENESEE, MACOMB, MONROE, OAKLAND, ST. CLAIR, WASHTENAW AND WAYNE COUNTIES

	Rates	Fringes
TRUCK DRIVER (Underground construction)		
AREA 1		
GROUP 1	$ 22.37	405.90/wk+59.50/day
GROUP 2	$ 22.46	405.90/wk+59.50/day
GROUP 3	$ 22.67	405.90/wk+59.50/day
AREA 2		
GROUP 1	$ 22.67	405.90/wk+59.50/day
GROUP 2	$ 22.81	405.90/wk+59.50/day
GROUP 3	$ 23.00	405.90/wk+59.50/day

PAID HOLIDAYS: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

SCOPE OF WORK: Excavation, site preparation, land balancing, grading, sewers, utilities and improvements; also including but not limited to, tunnels, underground piping, retention, oxidation, flocculation facilities, conduits, general excavation and steel sheeting for underground construction. Underground construction work shall not include any structural modifications, alterations, additions and repairs to buildings or highway work, including roads, streets, bridge construction and parking lots or steel erection.

BID #6881 Main Street Sidewalk Improvements – Northfield Township

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Truck driver on all trucks (EXCEPT dump trucks of 8 cubic yards capacity or over, pole trailers, semis, low boys, Euclid, double bottom and fuel trucks)

GROUP 2: Truck driver on dump trucks of 8 cubic yards capacity or over, pole trailers, semis and fuel trucks

GROUP 3: Truck driver on low boy, Euclid and double bottom

SUMI2002-001 05/01/2002

	Rates	Fringes
Flag Person	$ 10.10	0.00
LINE PROTECTOR (ZONE 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE)	$ 18.98	12.17
LINE PROTECTOR (ZONE 2: STATEWIDE (EXCLUDING GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE)	$ 17.14	12.17
Pavement Marking Machine (ZONE 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES) Group 1	$ 24.89	12.17
Pavement Marking Machine (ZONE 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE) Group 2	$ 22.40	12.17
Pavement Marking Machine (ZONE 2: STATEWIDE (EXCLUDING GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES) Group 1	$ 22.89	12.17
Pavement Marking Machine (ZONE 2: STATEWIDE (EXCLUDING GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE) Group 2	$ 20.60	12.17

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

WORK CLASSIFICATIONS:

PAVEMENT MARKER GROUP 1: Drives or operates a truck mounted striper, grinder, blaster, groover, or thermoplastic melter for the placement or removal of temporary or permanent pavement markings or markers.

PAVEMENT MARKER GROUP 2: Performs all functions involved for the placement or removal of temporary or permanent pavement markings or markers not covered by the classification of Pavement Marker Group 1 or Line Protector.

LINE PROTECTOR: Performs all operations for the protection or removal of temporary or permanent pavement markings or markers in a moving convoy operation not performed by the classification of Pavement Marker Group 1. A moving convoy operation is comprised of only Pavement Markers Group 1 and Line Protectors.

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

==========

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were

SAMPLE

prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

BID #6881 Main Street Sidewalk Improvements – Northfield Township

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WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative

Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

==========

END OF GENERAL DECISION

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

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SIGNATURE PAGE

Signature	Company Name
Print Name	Company Address
Title	City, County, St. Zip
Office Telephone #	Cell Phone #
Federal Tax ID #	Email Address for Purchase Orders

The above individual is authorized to sign on behalf of company submitting proposal.

Proposals must be signed by an official authorized to bind the provider to its provisions for at least a period of 90 days. Signature page must be signed, boxes checked below, and returned as part of vendor proposal.

☐ By signing this bid submission, I certify that I and/or my corporation, company, limited liability company, business association, partnership, society, trust or any other non-governmental entity, organization or group is not an "Iran linked business" as defined by P.A. 517 of 2012 (MCLA 129.311 et seq)("Act").

I understand that under the Act, an "Iran linked business means an individual or one of the above-listed groups who engages in investment activities in the energy sector of Iran, including, but not limited to, providing oil or liquefied natural gas tankers or products used to construct or maintain pipelines used to transport oil or liquefied gas for Iran's energy sector or a financial institution extending credit to another person to engage in investment activities in Iran's energy sector.

I further understand that "investment activity" is defined by the Act as an individual or one of the above listed groups that invests $20,000,000.00 or more in Iran's energy sector or a financial institution that extends credit to another person, if that person uses the credit to engage in "investment activity" in Iran's energy sector.

SAMPLE

Howard Fink

From: Jacob Rushlow [jacob.rushlow@ohm-advisors.com]
Sent: Thursday, May 19, 2016 3:19 PM
To: Lindsay L. Wallace
Cc: Brett Lenart; Nathan Voght; Howard Fink
Subject: RE: RFP - Northfield Sidewalk RFP 6881 OHM 2016_LLW_5-4-16 (3).doc
Attachments: image001.png

Hi Lindsay. I have looked through the document and it looks good from my end. I am definitely open to meet and go over bidding dates with you and Nathan (and Howard if he is needed as well). I have limited availability next week Monday after 1:30 PM or Tuesday any time after 9:30 AM. The rest of that week I am out at a conference. Let me know if you guys are available Mon or Tue. Thanks.

Jacob

From: Lindsay L. Wallace [mailto:wallacel@ewashtenaw.org]
Sent: Tuesday, May 10, 2016 3:50 PM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com>
Cc: Brett Lenart <lenartb@ewashtenaw.org>; Nathan Voght <voghtn@ewashtenaw.org>; Howard Fink <finkh@twp.northfield.mi.us>
Subject: RFP - Northfield Sidewalk RFP 6881 OHM 2016_LLW_5-4-16 (3).doc

Hi Jacob:

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Once you have a chance to review this document, I would like to set up some time to discuss dates with you and Nathan.

Please let me know if you have any questions or concerns.

Thanks so much,
Lindsay L. Wallace

Office of Community & Economic Development PO Box 915, 415 W. Michigan Ave., Suite 2200
Ypsilanti, MI 48197
tel: 734-544-3056 fax: 734-544-6749
web:www.ewashtenaw.org/oced

[cid:image001.png@01CCF6DF.8C1D1D80]

Howard Fink

From: Nathan Voght [voghtn@ewashtenaw.org]
Sent: Monday, June 06, 2016 10:05 AM
To: 'Jacob Rushlow'; Lindsay L. Wallace
Cc: Howard Fink
Subject: RE: Northfield Township RFP #6881

Jacob,

Looking back on emails from this project, and trying to keep this moving. Is your email from 4-28 include the final version of the RFP (with the exception of any tweaks due to WCRC or SESC comments?)?. Did you get answers to your questions/comments related to performance and payment bonds, and maintenance and guarantee bonds? Are these questions for our Purchasing Department, or something OHM would advise on?

Thx,

Nathan

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Thursday, April 28, 2016 3:48 PM
To: Lindsay L. Wallace
Cc: Nathan Voght; Howard Fink
Subject: RE: Northfield Township RFP #6881

Hi Lindsey,

As we discussed in our phone conversation this afternoon, I am submitting to you draft specifications and supporting documents to be included with the WCCED RFP. In the RFP we inserted a paragraph about the general scope of work and replaced the price sheet with our itemized bid form. I also included a few comments/questions as tracked changes in the RFP document.

For preparing the RFP using our construction specifications I prepared the following recommendation for organizing these pieces into one bid document:

WCCED RFP
Supplemental Instructions to Bidders
General Specifications
Supplemental Specifications
Technical Specifications
Appendix (A & B)

We are also still working with the Road Commission for their approval and a permit to do work within the Main Street ROW and may need to make some minor plan/spec changes based on their comments.

Please call or e-mail me with any questions. Thanks.

JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

T 734.522.6711

F 734.522.6427
D 734.466.4517
C 734.812.7154

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From: Lindsay L. Wallace [mailto:wallacel@ewashtenaw.org]
Sent: Wednesday, April 20, 2016 1:37 PM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com>
Cc: Nathan Voght <voghtn@ewashtenaw.org>; Howard Fink <finkh@twp.northfield.mi.us>
Subject: RE: Northfield Township RFP #6881

Hi Jacob:

I hope you're doing well. I wanted to follow up with you on this – have you had a chance to review the draft and include the requested information?

Please let me know if you have any questions.

Thanks,
Lindsay

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, April 05, 2016 10:39 AM
To: Lindsay L. Wallace
Cc: Nathan Voght; Howard Fink
Subject: RE: Northfield Township RFP #6881

Hi Lindsay. Thank you for the draft copy. I am back in the office today after being off all last week and will take a look. I'll get back to you with any specific questions.

Jacob

From: Lindsay L. Wallace [mailto:wallacel@ewashtenaw.org]
Sent: Monday, April 4, 2016 3:45 PM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com>
Cc: Nathan Voght <voghtn@ewashtenaw.org>; Howard Fink <finkh@twp.northfield.mi.us>
Subject: Northfield Township RFP #6881

Hi Jacob:

Attached you will find a draft copy of the RFP #6881 for the Main Street Sidewalk Project. Please note the following:

1) The dates in the RFP are tentative and subject to change. I would like to see if these dates work for both the Township and our Purchasing department. Please let me know if you require changes.
2) The walk-through; does the Township wish to participate in this? I believe we discussed this on the phone but wasn't certain. As of right now, I put the location of the walk through at the Township Office, please let me know if you would like a different location put down in the RFP.

3) Scope of work – can you please modify this to meet your specs/requirements? This can be found in section V. of the RFP.
4) Price Sheet – can you please give me a list of activities/tasks that need to be performed so that I can create a price sheet that's standard for all vendors to use? Please see Email from 3/29 attached.

If you have any questions, concerns or comments on this, please let me know.

Thanks so much and best,

Lindsay Wallace

Office of Community & Economic Development
PO Box 915, 415 W. Michigan Ave., Suite 2200
Ypsilanti, MI 48197
tel: 734-544-3056 fax: 734-544-6749
web:www.ewashtenaw.org/oced

OFFICE OF COMMUNITY & ECONOMIC DEVELOPMENT
Collaborative solutions for a promising future

Howard Fink

From: Jacob Rushlow [jacob.rushlow@ohm-advisors.com]
Sent: Monday, June 06, 2016 10:10 AM
To: Nathan Voght; Lindsay L. Wallace
Cc: Brett Lenart; Howard Fink
Subject: RE: RFP - Northfield Sidewalk RFP 6881 OHM 2016_LLW_5-4-16 (3).doc
Attachments: image001.png

Good morning Nathan. I agree that a meeting to review the package and finalize bid dates would be beneficial. My schedule is fairly open this week other than a lunch meeting on Thursday. I also copied Howard Fink on this message in case he or someone else from the Township would like to attend the meeting. Perhaps we could meet at the Northfield Township offices.

Jacob

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Monday, June 6, 2016 9:57 AM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com>; Lindsay L. Wallace <wallacel@ewashtenaw.org>
Cc: Brett Lenart <lenartb@ewashtenaw.org>
Subject: RE: RFP - Northfield Sidewalk RFP 6881 OHM 2016_LLW_5-4-16 (3).doc

Jacob,

I recommend we set up a meeting to go over RFP package and anything else necessary to let this project. In the meantime, I'll get answers on the blanket permit question and WCRC permit. Who needs to be included in this final meeting? I'm assuming OHM, Township and County officials? Where should we meet?

Let me know, and I can get this meeting set up…

Nathan

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, May 24, 2016 1:53 PM
To: Nathan Voght; Lindsay L. Wallace
Cc: Brett Lenart
Subject: RE: RFP - Northfield Sidewalk RFP 6881 OHM 2016_LLW_5-4-16 (3).doc

Thanks Nathan. Our WCRC contact is Gary Straight (or Matt MacDonell) and the WCWRC for SESC contact is Katie Lee.

JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

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Sent: Tuesday, May 24, 2016 1:26 PM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com<mailto:jacob.rushlow@ohm-advisors.com>>;
Lindsay L. Wallace <wallacel@ewashtenaw.org<mailto:wallacel@ewashtenaw.org>>
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Subject: RE: RFP - Northfield Sidewalk RFP 6881 OHM 2016_LLW_5-4-16 (3).doc

Jacob,

Lindsay is on maternity leave, so I'll be taking over management and coordination of this project on behalf of the County.

I will contact the Road Commission and WRC to inquire about blanket permits. Who was our Road Commission contact that worked with us on this project again?

I'll get some answers and then get back to you.

Nathan Voght, AICP
Brownfield Redevelopment Coordinator
ReImagine Washtenaw Project Manager

Washtenaw County Office of Community & Economic Development
415 W. Michigan Avenue, Suite 2200
Ypsilanti, Michigan 48197
http://www.ewashtenaw.org/<https://exchangeweb.ewashtenaw.org/owa/redir.aspx?C=BpkLsdPjz0WsV_nB5i__NCr-Jejqc9EIZV_v0p_2tE2oYyZXZY6iW6b0byDP0W5UwNeQdgT8k7Q.&URL=http%3a%2f%2fwww.ewashtenaw.org%2f>

734-544-3055 (direct office)
734-660-1061 (cell)

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Thursday, May 19, 2016 3:24 PM
To: Lindsay L. Wallace
Cc: Nathan Voght
Subject: RE: RFP - Northfield Sidewalk RFP 6881 OHM 2016_LLW_5-4-16 (3).doc

Lindsay,

Before we get into the bidding process we would typically finalize and submit permit applications to other agencies having jurisdiction, in this case WCRC (for work in ROW) and WCWRC (for soil erosion control). This helps get the contractor moving forward quickly after

the contract is awarded and the contractor is ultimately the responsible party for the permit.

Do you know if your department has a blanket permit from WCRC (or some other agreement) to perform work in the road ROW or will we need to submit a permit application? Not a big deal if we do need to submit, I will just need to get you the plans and application to sign and I can probably bring that with me when we meet to go over dates and finalize the RFP package.

I am pretty certain that the WCWRC permit for soil erosion control will be a letter of waiver because we are disturbing less than 1 acre of land.

Let me know what you think.

JACOB A. Rushlow, PE
PROJECT MANAGER

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Cc: Brett Lenart <lenartb@ewashtenaw.org<mailto:lenartb@ewashtenaw.org>>; Nathan Voght <voghtn@ewashtenaw.org<mailto:voghtn@ewashtenaw.org>>; Howard Fink <finkh@twp.northfield.mi.us<mailto:finkh@twp.northfield.mi.us>>
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Thanks so much,
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[cid:image001.png@01CCF6DF.8C1D1D80]

Howard Fink

From: Nathan Voght [voghtn@ewashtenaw.org]
Sent: Monday, June 06, 2016 10:23 AM
To: 'Jacob Rushlow'
Cc: Brett Lenart; Howard Fink
Subject: RE: RFP - Northfield Sidewalk RFP 6881 OHM 2016_LLW_5-4-16 (3).doc

Jacob and Howard,

Here are some possible times to meet this week to review final plans, RFP and bid documents. I'll come to the Twp Hall.

Tue. June 7th at 11 or 2 p.m.
Thurs. June 9 anytime between 2 and 3:30
Friday June 10th anytime between 8:00 and 10 a.m.

If these don't work, I'll look at next week...

Let me know, thx!

Nathan

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Monday, June 06, 2016 10:10 AM
To: Nathan Voght; Lindsay L. Wallace
Cc: Brett Lenart; Howard Fink
Subject: RE: RFP - Northfield Sidewalk RFP 6881 OHM 2016_LLW_5-4-16 (3).doc

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PROJECT MANAGER

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JACOB A. Rushlow, PE
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OFFICE OF COMMUNITY & ECONOMIC DEVELOPMENT
Collaborative solutions for a promising future

Howard Fink

From: Jacob Rushlow [jacob.rushlow@ohm-advisors.com]
Sent: Monday, June 06, 2016 10:16 AM
To: Nathan Voght; Lindsay L. Wallace
Cc: Howard Fink
Subject: RE: Northfield Township RFP #6881
Attachments: image001.png; RFP - Northfield Sidewalk RFP 6881 OHM 2016_LLW_5-4-16 (3).doc; RE: RFP - Northfield Sidewalk RFP 6881 OHM 2016_LLW_5-4-16 (3).doc

Nathan,

There was a follow up message from Lindsay on 5/10 that addressed my comments/recommendations (see attached) so I think we are good with the base of the RFP document but I believe it still needs to be compiled with other attachment/appendices.

Jacob

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Monday, June 6, 2016 10:05 AM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com>; Lindsay L. Wallace <wallacel@ewashtenaw.org>
Cc: Howard Fink <finkh@twp.northfield.mi.us>
Subject: RE: Northfield Township RFP #6881

Jacob,

Looking back on emails from this project, and trying to keep this moving. Is your email from 4-28 include the final version of the RFP (with the exception of any tweaks due to WCRC or SESC comments?)?. Did you get answers to your questions/comments related to performance and payment bonds, and maintenance and guarantee bonds? Are these questions for our Purchasing Department, or something OHM would advise on?

Thx,

Nathan

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Thursday, April 28, 2016 3:48 PM
To: Lindsay L. Wallace
Cc: Nathan Voght; Howard Fink
Subject: RE: Northfield Township RFP #6881

Hi Lindsey,

As we discussed in our phone conversation this afternoon, I am submitting to you draft specifications and supporting documents to be included with the WCCED RFP. In the RFP we inserted a paragraph about the general scope of work and replaced the price sheet with our itemized bid form. I also included a few comments/questions as tracked changes in the RFP document.

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Please call or e-mail me with any questions. Thanks.

JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

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F 734.522.6427
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Cc: Nathan Voght <voghtn@ewashtenaw.org<mailto:voghtn@ewashtenaw.org>>; Howard Fink <finkh@twp.northfield.mi.us<mailto:finkh@twp.northfield.mi.us>>
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Thanks so much and best,

Lindsay Wallace

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Ypsilanti, MI 48197
tel: 734-544-3056 fax: 734-544-6749
web:www.ewashtenaw.org/oced

[cid:image001.png@01CCF6DF.8C1D1D80]

Howard Fink

From: Nathan Voght [voghtn@ewashtenaw.org]
Sent: Monday, June 06, 2016 10:40 AM
To: 'Jacob Rushlow'
Cc: Howard Fink
Subject: RE: Northfield Township RFP #6881

Ok, great, I'll take a look...

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Lindsay Wallace

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OFFICE OF COMMUNITY & ECONOMIC DEVELOPMENT
Collaborative solutions for a promising future

Howard Fink

From: Jacob Rushlow [jacob.rushlow@ohm-advisors.com]
Sent: Monday, June 06, 2016 10:46 AM
To: Nathan Voght
Cc: Brett Lenart; Howard Fink
Subject: RE: RFP - Northfield Sidewalk RFP 6881 OHM 2016_LLW_5-4-16 (3).doc
Attachments: image001.png

As of right now I am open for any of those days/times. Howard, how about you?

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Monday, June 6, 2016 10:23 AM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com>
Cc: Brett Lenart <lenartb@ewashtenaw.org>; Howard Fink <finkh@twp.northfield.mi.us>
Subject: RE: RFP - Northfield Sidewalk RFP 6881 OHM 2016_LLW_5-4-16 (3).doc

Jacob and Howard,

Here are some possible times to meet this week to review final plans, RFP and bid documents. I'll come to the Twp Hall.

Tue. June 7th at 11 or 2 p.m.
Thurs. June 9 anytime between 2 and 3:30 Friday June 10th anytime between 8:00 and 10 a.m.

If these don't work, I'll look at next week…

Let me know, thx!

Nathan

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Monday, June 06, 2016 10:10 AM
To: Nathan Voght; Lindsay L. Wallace
Cc: Brett Lenart; Howard Fink
Subject: RE: RFP - Northfield Sidewalk RFP 6881 OHM 2016_LLW_5-4-16 (3).doc

Good morning Nathan. I agree that a meeting to review the package and finalize bid dates would be beneficial. My schedule is fairly open this week other than a lunch meeting on Thursday. I also copied Howard Fink on this message in case he or someone else from the Township would like to attend the meeting. Perhaps we could meet at the Northfield Township offices.

Jacob

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Monday, June 6, 2016 9:57 AM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com<mailto:jacob.rushlow@ohm-advisors.com>>; Lindsay L. Wallace <wallacel@ewashtenaw.org<mailto:wallacel@ewashtenaw.org>>
Cc: Brett Lenart <lenartb@ewashtenaw.org<mailto:lenartb@ewashtenaw.org>>
Subject: RE: RFP - Northfield Sidewalk RFP 6881 OHM 2016_LLW_5-4-16 (3).doc

Jacob,

I recommend we set up a meeting to go over RFP package and anything else necessary to let this project. In the meantime, I'll get answers on the blanket permit question and WCRC

permit. Who needs to be included in this final meeting? I'm assuming OHM, Township and County officials? Where should we meet?

Let me know, and I can get this meeting set up…

Nathan

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, May 24, 2016 1:53 PM
To: Nathan Voght; Lindsay L. Wallace
Cc: Brett Lenart
Subject: RE: RFP - Northfield Sidewalk RFP 6881 OHM 2016_LLW_5-4-16 (3).doc

Thanks Nathan. Our WCRC contact is Gary Straight (or Matt MacDonell) and the WCWRC for SESC contact is Katie Lee.

JACOB A. Rushlow, PE
PROJECT MANAGER

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Sent: Tuesday, May 24, 2016 1:26 PM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com<mailto:jacob.rushlow@ohm-advisors.com>>;
Lindsay L. Wallace <wallacel@ewashtenaw.org<mailto:wallacel@ewashtenaw.org>>
Cc: Brett Lenart <lenartb@ewashtenaw.org<mailto:lenartb@ewashtenaw.org>>
Subject: RE: RFP - Northfield Sidewalk RFP 6881 OHM 2016_LLW_5-4-16 (3).doc

Jacob,

Lindsay is on maternity leave, so I'll be taking over management and coordination of this project on behalf of the County.

I will contact the Road Commission and WRC to inquire about blanket permits. Who was our Road Commission contact that worked with us on this project again?

I'll get some answers and then get back to you.

Nathan Voght, AICP
Brownfield Redevelopment Coordinator
ReImagine Washtenaw Project Manager

Washtenaw County Office of Community & Economic Development
415 W. Michigan Avenue, Suite 2200
Ypsilanti, Michigan 48197
http://www.ewashtenaw.org/<https://exchangeweb.ewashtenaw.org/owa/redir.aspx?C=BpkLsdPjz0WsV_nB5i__NCr-Jejqc9EIZV_v0p_2tE2oYyZXZY6iW6b0byDP0W5UwNeQdgT8k7Q.&URL=http%3a%2f%2fwww.ewashtenaw.org%2f>

734-544-3055 (direct office)
734-660-1061 (cell)

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Thursday, May 19, 2016 3:24 PM
To: Lindsay L. Wallace
Cc: Nathan Voght
Subject: RE: RFP - Northfield Sidewalk RFP 6881 OHM 2016_LLW_5-4-16 (3).doc

Lindsay,

Before we get into the bidding process we would typically finalize and submit permit applications to other agencies having jurisdiction, in this case WCRC (for work in ROW) and WCWRC (for soil erosion control). This helps get the contractor moving forward quickly after the contract is awarded and the contractor is ultimately the responsible party for the permit.

Do you know if your department has a blanket permit from WCRC (or some other agreement) to perform work in the road ROW or will we need to submit a permit application? Not a big deal if we do need to submit, I will just need to get you the plans and application to sign and I can probably bring that with me when we meet to go over dates and finalize the RFP package.

I am pretty certain that the WCWRC permit for soil erosion control will be a letter of waiver because we are disturbing less than 1 acre of land.

Let me know what you think.

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Hi Jacob:

Please find a copy of the revised RFP for your use and review. Please note, the attachments you sent will be included once we finalize the RFP, this will create an easier merge with a pdf document.

Once you have a chance to review this document, I would like to set up some time to discuss dates with you and Nathan.

Please let me know if you have any questions or concerns.

Thanks so much,
Lindsay L. Wallace

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Howard Fink

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Sent: Thursday, June 09, 2016 10:25 AM
To: 'Jacob Rushlow'
Cc: Howard Fink
Subject: RE: Northfield Township RFP #6881

See you guys at 2 p.m. today at Northfield Twp. Hall. I'll bring the latest version of the RFP with me.

Nathan

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Attachments: image001.png

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Subject: RE: Northfield Township RFP #6881

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There was a follow up message from Lindsay on 5/10 that addressed my comments/recommendations (see attached) so I think we are good with the base of the RFP document but I believe it still needs to be compiled with other attachment/appendices.

Jacob

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Monday, June 6, 2016 10:05 AM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com<mailto:jacob.rushlow@ohm-advisors.com>>; Lindsay L. Wallace <wallacel@ewashtenaw.org<mailto:wallacel@ewashtenaw.org>>
Cc: Howard Fink <finkh@twp.northfield.mi.us<mailto:finkh@twp.northfield.mi.us>>
Subject: RE: Northfield Township RFP #6881

Jacob,

Looking back on emails from this project, and trying to keep this moving. Is your email from 4-28 include the final version of the RFP (with the exception of any tweaks due to WCRC or SESC comments?)?. Did you get answers to your questions/comments related to performance and payment bonds, and maintenance and guarantee bonds? Are these questions for our Purchasing Department, or something OHM would advise on?

Thx,

Nathan

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Thursday, April 28, 2016 3:48 PM
To: Lindsay L. Wallace
Cc: Nathan Voght; Howard Fink
Subject: RE: Northfield Township RFP #6881

Hi Lindsey,

As we discussed in our phone conversation this afternoon, I am submitting to you draft specifications and supporting documents to be included with the WCCED RFP. In the RFP we inserted a paragraph about the general scope of work and replaced the price sheet with our itemized bid form. I also included a few comments/questions as tracked changes in the RFP document.

For preparing the RFP using our construction specifications I prepared the following recommendation for organizing these pieces into one bid document:

WCCED RFP
Supplemental Instructions to Bidders
General Specifications
Supplemental Specifications
Technical Specifications
Appendix (A & B)

We are also still working with the Road Commission for their approval and a permit to do work within the Main Street ROW and may need to make some minor plan/spec changes based on their comments.

Please call or e-mail me with any questions. Thanks.

JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

T 734.522.6711
F 734.522.6427
D 734.466.4517
C 734.812.7154

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From: Lindsay L. Wallace [mailto:wallacel@ewashtenaw.org]
Sent: Wednesday, April 20, 2016 1:37 PM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com<mailto:jacob.rushlow@ohm-advisors.com>>
Cc: Nathan Voght <voghtn@ewashtenaw.org<mailto:voghtn@ewashtenaw.org>>; Howard Fink <finkh@twp.northfield.mi.us<mailto:finkh@twp.northfield.mi.us>>

Subject: RE: Northfield Township RFP #6881

Hi Jacob:

I hope you're doing well. I wanted to follow up with you on this - have you had a chance to review the draft and include the requested information?

Please let me know if you have any questions.

Thanks,
Lindsay

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, April 05, 2016 10:39 AM
To: Lindsay L. Wallace
Cc: Nathan Voght; Howard Fink
Subject: RE: Northfield Township RFP #6881

Hi Lindsay. Thank you for the draft copy. I am back in the office today after being off all last week and will take a look. I'll get back to you with any specific questions.

Jacob

From: Lindsay L. Wallace [mailto:wallacel@ewashtenaw.org]
Sent: Monday, April 4, 2016 3:45 PM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com<mailto:jacob.rushlow@ohm-advisors.com>>
Cc: Nathan Voght <voghtn@ewashtenaw.org<mailto:voghtn@ewashtenaw.org>>; Howard Fink <finkh@twp.northfield.mi.us<mailto:finkh@twp.northfield.mi.us>>
Subject: Northfield Township RFP #6881

Hi Jacob:

Attached you will find a draft copy of the RFP #6881 for the Main Street Sidewalk Project. Please note the following:

1) The dates in the RFP are tentative and subject to change. I would like to see if these dates work for both the Township and our Purchasing department. Please let me know if you require changes.

2) The walk-through; does the Township wish to participate in this? I believe we discussed this on the phone but wasn't certain. As of right now, I put the location of the walk through at the Township Office, please let me know if you would like a different location put down in the RFP.

3) Scope of work - can you please modify this to meet your specs/requirements? This can be found in section V. of the RFP.

4) Price Sheet - can you please give me a list of activities/tasks that need to be performed so that I can create a price sheet that's standard for all vendors to use? Please see Email from 3/29 attached.

If you have any questions, concerns or comments on this, please let me know.

Thanks so much and best,

Lindsay Wallace

Office of Community & Economic Development PO Box 915, 415 W. Michigan Ave., Suite 2200
Ypsilanti, MI 48197
tel: 734-544-3056 fax: 734-544-6749
web:www.ewashtenaw.org/oced

[cid:image001.png@01CCF6DF.8C1D1D80]

Howard Fink

From: Jacob Rushlow [jacob.rushlow@ohm-advisors.com]
Sent: Thursday, June 09, 2016 5:35 PM
To: Nathan Voght
Cc: Howard Fink
Subject: WCRC Permit Application
Attachments: WCRC_Permit_App.pdf; WCRC_Cover_Letter.pdf

Nathan,

As discussed in our meeting this afternoon I am providing you with a completed permit application for submittal to the Washtenaw County road Commission along with a cover letter. You only need to print off page 3 of the application PDF. There is actually no signature needed on this application (unlike the WCWRC SESC permit). Just print Page 3 and the cover letter and submit those with the set of plans.

When you submit both permits please let me know what each agency says about a permit/bond/inspection fee requirements so we can include that information in out instructions to bidders for the contractor's information.

Let me know if you have any questions with this. Thanks.

JACOB A. Rushlow, PE
PROJECT MANAGER

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INSTRUCTIONS TO APPLY FOR MISCELLANEOUS USE OF RIGHT-OF-WAY PERMIT

1. Fill in the miscellaneous use of right-of-way permit application as completely as possible, including applicant/property owner and contractor information, if known at the time of application (contractor shall be provided prior to permit issuance). This application has "fill-in form" capability to then print for submittal, if you have obtained the application by email or via the website.
2. Provide detailed sketching and location of proposed work along with an itemized estimate of cost for all work in the County road right-of-way shall be submitted along with the permit fee (see excerpt of permit fee schedule below). Additional information may be required based on the scope of the project involved, however, please allow thirty days for review and comment of a plan submittal.
3. Return the completed application, three sets of plans and permit fee to:

Washtenaw County Road Commission
Permit Engineering Section
555 N. Zeeb Road
Ann Arbor, MI 48103
(734) 761-1500 Phone
(734) 761-3737 Fax

4. Pertinent Permit Fees are scheduled as follows:

   - Grading/Drainage Permit Fee- $100.00
   - Soil Borings Permit Fee- $75.00
   - Surveying Permit Fee- $40.00
   - Road Closure/Parade Permit Fee- $40.00
   - Banner/Decorations Permit Fee- No Charge
   - Monitoring Well Permit Fee- $40.00
   - Landscaping Permit Fee- $50.00
   - Tree installation and replacement permits are issued for curbed residential subdivision streets **ONLY.** No evergreen trees will be permitted and only deciduous trees offset at least 5' from back-of-curb will be allowed. Trees must be installed or replaced in a location that preserves an adequate sight distance (Procedures & Regulations for Developing Public Roads, figures 32 & 33).
   - Plan Review & Field Inspection –*Regular work hours* are 7:00 a.m. – 3:30 p.m., Monday – Friday, except holidays observed by the Road Commission. Costs will be billed at the current hourly rate for the employee and equipment involved, plus fringe benefits and overhead. *Overtime* costs will be billed at 1 ½ times the current hourly rate for the employee involved, plus the regular rate for the equipment involved, plus fringe benefits and overhead.
   - The applicant will be liable for any and all permit review and inspection fees, unless otherwise noted on the permit application. Any unexpended fund balance will be refunded following the completion of work. An invoice with an itemized statement will be generated for deficit accounts on a monthly basis. Non-payment of an invoice will result in suspension of the review process or a Stop Work Order during construction.
   - Cash advances, as determined by the Road Commission, will be paid by the applicant prior to permit issuance. Security will be provided by the applicant, as determined by the Road Commission, to ensure proper construction and restoration in the right-of-way. Security for Right-of-Way restoration will be provided in the form of an irrevocable bank letter of credit, cash or cashier's check. Surety bonds, on forms provided by the Road Commission, are acceptable alternatives for utility permits only.

5. A certificate of general liability insurance for the contractor naming the Washtenaw County Road Commission additionally insured and certificate holder shall be placed on file with the Permit Section. Contact our office at 734.761.1500 or via the website at www.wcroads.org for additional insurance requirements.
6. An original signature from the applicant and contractor shall be obtained upon permit issuance.

If you have any questions concerning this process, please contact the Permit Engineering Section at the Washtenaw County Road Commission at 734.761.1500 between the hours of 7:00 a.m. and 3:30 p.m., Monday-Friday.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:	
TO BE PROVIDED BY CONTRACTOR ONCE PROJECT HAS BEEN BID	PHONE (A/C, No, Ext):	FAX (A/C, No):
	E-MAIL ADDRESS:	
INSURED	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A :	
	INSURER B :	
	INSURER C :	
	INSURER D :	
RC02-395	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	GENERAL LIABILITY						EACH OCCURRENCE	$ 1,000,000
	☐ COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
	☐ CLAIMS-MADE ☐ OCCUR	X		Required	Dates Required		MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
							GENERAL AGGREGATE	$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG	$
	☐ POLICY ☐ PRO-JECT ☐ LOC							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	☐ ANY AUTO						BODILY INJURY (Per person)	$
	☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS			** This policy also required for transportation permits	Dates Required		BODILY INJURY (Per accident)	$
	☐ HIRED AUTOS ☐ NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
	☐ UMBRELLA LIAB ☐ OCCUR						EACH OCCURRENCE	$
	☐ EXCESS LIAB ☐ CLAIMS-MADE						AGGREGATE	$
	☐ DED ☐ RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N						☐ WC STATU-TORY LIMITS ☐ OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐ (Mandatory in NH)	N / A					E.L. EACH ACCIDENT	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

The Board of Washtenaw County Road Commissioners, The Washtenaw County Road Commission, and their officers, agents and employees are named as additional insured parties.

CERTIFICATE HOLDER

Washtenaw County Road Commission
555 N. Zeeb Road
Ann Arbor, MI 48103

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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Fax# 734-761-3737 email: lifes@wcroads.org

Washtenaw County Road Commission
Permit Engineering Section
555 N. Zeeb Road
Ann Arbor, MI 48103
(734) 761-1500 Phone
(734) 761-3737 Fax

APPLICATION FOR MISCELLANEOUS USE OF RIGHT-OF-WAY PERMIT

Date of Application June 10, 2016 Application # _____

APPLICANT/ PROPERTY OWNER	CONTRACTOR
Washtenaw County OCED	TBD
Address 415 W. Michigan Ave., Suite 2200	Address _____
City Ypsilanti State MI Zip 48197	City _____ State _____ Zip _____
Contact Person Nathan Vought	Contact Person _____
Telephone 734-544-3055 Fax _____	Telephone _____ Fax _____
Email: voughtn@ewashtenaw.org	Email: _____

Site Location E side of Main St Between 700 Westbrook And 8840 N Main St

Township Northfield Side of Road N S W (E) Tax ID Number ___-___-___-___

Type of Work: Grading/Drainage ☑ Soil Borings ☐ Surveying ☐ Monitoring Well ☐

Road Closure/Parade ☐ Banner/Decorations ☐ Tree within r-o-w INSTALLATION ☐

Tree within r-o-w REMOVAL/REPLACEMENT ☐

Provide a description of the type of proposed work, supplemental to detailed sketching.

Construction of approximately 950 feet of 5' wide concrete sidewalk along the east side of Main St linking the existing sidewalk at the Westbrook apartment complex to the Whitmore Lake Middle School.

ROAD COMMISSION USE

Permit	$	Receipt #	Cash Deposit **OR** LOC **OR** Surety Bond	$	Receipt #
Inspection	$			$	LOC #
Advanced Account #				$	Surety #
Other	$	Receipt #	Other	$	Receipt #

Comments: _____

Inspector Signature _____ Date _____

ARCHITECTS. ENGINEERS. PLANNERS.

OHM Advancing Communities

June 10, 2016

Gary Streight
Washtenaw County Road Commission
Permit Engineering Section
555 N. Zeeb Rd.
Ann Arbor, MI 48103

RE: Washtenaw County OCED/Northfield Township
Main St. CDBG Sidewalk
Right-of-way Permit Application

Dear Mr. Streight:

On behalf of Washtenaw County Office of Community & Economic Development and Northfield Township, enclosed please find one (1) full set of plans and one (1) permit application for the above referenced project for your review. We are requesting review of this project for conformance with permit requirements for work within the Washtenaw County Road Commission (WCRC) Right-of-way. The proposed work consists of approximately 950 feet of 4-inch concrete sidewalk along the East side of Main Street linking the existing sidewalk at the Westbrook apartment complex to the Whitmore Lake Middle School.

We appreciate your review of this project. If you have any questions, please do not hesitate to contact me at 734-466-4517, or at jacob.rushlow@ohm-advisors.com.

Sincerely,
OHM Advisors

Jacob Rushlow, PE
Project Manager

cc: Howard Fink, Northfield Township Manager
Matt MacDonell, Washtenaw County Road Commission
Nathan Vought, Washtenaw County Office of Community & Economic Development
File

OHM Advisors
34000 PLYMOUTH ROAD
LIVONIA, MICHIGAN 48150
T 734.522.6711
F 734.522.6427
OHM-Advisors.com

Howard Fink

From: Nathan Voght [voghtn@ewashtenaw.org]
Sent: Monday, June 13, 2016 9:22 AM
To: 'Jacob Rushlow'
Cc: Howard Fink
Subject: RE: WCRC Permit Application

3 p.m. works fine according to Purchasing, FYI

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Monday, June 13, 2016 9:20 AM
To: Nathan Voght
Cc: Howard Fink
Subject: RE: WCRC Permit Application

Hi Nathan. Yes, someone from the County should attend the pre-bid meeting. I would suggest 10:00 AM for Wed 6/22 pre-bid.

We also need to set a time for the Mon. 7/11 bids due. Does the County have a standard time? The draft RFP had 3:00 PM as a place holder and I am good with that time if everyone else is also good.

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Monday, June 13, 2016 8:48 AM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com>
Cc: Howard Fink <finkh@twp.northfield.mi.us>
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Jacob,

I'm fine with your tweaks to the timeline. We just need to know from Howard what time is good to hold the mandatory pre-bid mtg. at the Township Hall (Howard?). I am out at a conference on Wed. June 22nd, but I can probably get someone from my office to attend. (I'm assuming you need someone from the County?)

So, here is what it would be:

Tues, June 14th at NOON - Get final PDF of RFP to Angela for her final review
Thurs. June 16th – County Purchasing releases RFP on Mitten, Mlive online and in print edition
Wed. June 22nd – Mandatory Pre-Bid Meeting is held in Northfield Twp. Hall TIME?
Thurs. June 30th – Answers to any contractor questions that were not answered at mandatory pre-bid meeting are sent to only attendees of mandatory mtg.
Mon. July 11th – BIDS DUE

Regarding your other questions, let's say the following:

Award Contract - July 18th
Contract Executed – July 27th
Notice to Proceed – Aug. 1st
Construction Start – Aug. 8th
Construction End – Sept. 2nd

Please let me know if the above looks good.

Thx,

Nathan

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Friday, June 10, 2016 10:52 AM
To: Nathan Voght
Cc: Howard Fink
Subject: RE: WCRC Permit Application

Nathan, here is a follow up question to these dates. If the bid opening in on Mon 7/11 when would you anticipate awarding the contract and a notice to proceed? Our supplemental instructions to bidders includes the anticipated award date, notice to proceed, construction start, and construction end.

From: Jacob Rushlow
Sent: Friday, June 10, 2016 10:26 AM
To: 'Nathan Voght' <voghtn@ewashtenaw.org>
Cc: Howard Fink <finkh@twp.northfield.mi.us>
Subject: RE: WCRC Permit Application

Nathan,

I think this schedule looks good with the following slight modifications...

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I've called Gary Streight one more time to confirm our WCRC questions...

Thx

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To: Nathan Voght
Cc: Howard Fink
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Nathan, we are going through our final plan/spec QAQC today and should be wrapped up any needed revisions on Monday. I will have a complete, final set of plans other spec documents to you by Tuesday morning.

Jacob

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What do you think? If you're in agreement, I'll modify the RFP with all those dates.

I've called Gary Streight one more time to confirm our WCRC questions…

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Sent: Thursday, June 09, 2016 5:35 PM
To: Nathan Voght
Cc: Howard Fink
Subject: WCRC Permit Application

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JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

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Sent: Friday, June 10, 2016 10:20 AM
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Cc: Howard Fink
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Howard Fink

From: Jacob Rushlow [jacob.rushlow@ohm-advisors.com]
Sent: Friday, June 10, 2016 10:29 AM
To: Nathan Voght
Cc: Howard Fink
Subject: RE: WCRC Permit Application

I see from your second message that you do use MITN. That's great! Using that service your ad for bids will be e-mailed directly to any contractor that would bid on that type of sidewalk work. All the contractor's I would recommend are already on MITN so they will get the RFP directly.

From: Jacob Rushlow
Sent: Friday, June 10, 2016 10:19 AM
To: 'Nathan Voght' <voghtn@ewashtenaw.org>
Cc: 'Howard Fink' <finkh@Northfieldmi.gov>
Subject: RE: WCRC Permit Application

Hi Nathan. I can provide a few sidewalk contractor names/contacts if needed. Does your office use MITN to publicly advertise for construction services or are the ads provided in another manner? If you do not use MITN I would recommend checking it out. MITN is becoming the industry standard for digital ads for bids in Michigan.

Jacob

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Friday, June 10, 2016 10:14 AM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com>
Cc: 'Howard Fink' <finkh@Northfieldmi.gov>
Subject: RE: WCRC Permit Application

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Howard Fink

From: Nathan Voght [voghtn@ewashtenaw.org]
Sent: Monday, June 13, 2016 10:06 AM
To: 'Jacob Rushlow'; Angela Perry
Cc: Howard Fink
Subject: RE: WCRC Permit Application
Attachments: RFP - Northfield Sidewalk RFP 6881 OHM 2016 Final Draft 6-13-16.doc

Angela and Jacob,

Attached is the final draft of the RFP. I've inserted all dates, as we've discussed. Please review this so we can finalize it. I am trying to get updated "Wage Determinations" t insert.

Jacob, please email me all attached documents that I'll need to attach to the RFP, once you've updated with the contractor info, below.

Here is what you need to include in the contractor's info related to WCRC and SESC:

WCRC Permit Requirements:

A letter from the County stating they will retain at least 10% of contract amount and only make final payment once WCRC has approved the work
An inspection fee of 3% of the work within the ROW, or a minimum of $500
An application fee of $100

SESC Permit Requirements:

$500 permit fee
$2,000 Performance Guarantee in the form of Cash, Check, or Letter of Credit from a bank.

Can you update your contractor info, accordingly?

Nathan

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Monday, June 13, 2016 9:20 AM
To: Nathan Voght
Cc: Howard Fink
Subject: RE: WCRC Permit Application

Hi Nathan. Yes, someone from the County should attend the pre-bid meeting. I would suggest 10:00 AM for Wed 6/22 pre-bid.

We also need to set a time for the Mon. 7/11 bids due. Does the County have a standard time? The draft RFP had 3:00 PM as a place holder and I am good with that time if everyone else is also good.

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Monday, June 13, 2016 8:48 AM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com>

Cc: Howard Fink <finkh@twp.northfield.mi.us>
Subject: RE: WCRC Permit Application

Jacob,

I'm fine with your tweaks to the timeline. We just need to know from Howard what time is good to hold the mandatory pre-bid mtg. at the Township Hall (Howard?). I am out at a conference on Wed. June 22nd, but I can probably get someone from my office to attend. (I'm assuming you need someone from the County?)

So, here is what it would be:

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Regarding your other questions, let's say the following:

Award Contract - July 18th
Contract Executed – July 27th
Notice to Proceed – Aug. 1st
Construction Start – Aug. 8th
Construction End – Sept. 2nd

Please let me know if the above looks good.

Thx,

Nathan

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Friday, June 10, 2016 10:52 AM
To: Nathan Voght
Cc: Howard Fink
Subject: RE: WCRC Permit Application

Nathan, here is a follow up question to these dates. If the bid opening in on Mon 7/11 when would you anticipate awarding the contract and a notice to proceed? Our supplemental instructions to bidders includes the anticipated award date, notice to proceed, construction start, and construction end.

From: Jacob Rushlow
Sent: Friday, June 10, 2016 10:26 AM
To: 'Nathan Voght' <voghtn@ewashtenaw.org>
Cc: Howard Fink <finkh@twp.northfield.mi.us>
Subject: RE: WCRC Permit Application

Nathan,

I think this schedule looks good with the following slight modifications...

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REQUEST FOR PROPOSAL

#6881

Main Street Sidewalk Improvements

Northfield Township

FOR

Washtenaw County
Office of Community & Economic Development

Issued By:

Washtenaw County Purchasing
Administration Building
220 N. Main Street
Ann Arbor, MI 48104

Angela O. Perry
Purchasing Manager
(734) 222-6768

Proposal Submitted by:

_____

Please type Bidder's Company Name & **include as proposal cover**

WASHTENAW COUNTY
Finance Department

Purchasing Division

220 N. Main, Ann Arbor, MI 48104
Phone (734) 222-6760, Fax (734) 222-6764
www.purchasing.ewashtenaw.org

RFP #6881

Month, Date, Year (bid solicitation date)

Washtenaw County Purchasing Division on behalf of Washtenaw County Office of Community and Economic Development (OCED) (Washtenaw County Department) is issuing a sealed RFP #6881for construction of new ADA compliant concrete sidewalks between existing sidewalks, new ADA compliant crosswalks of intersecting streets in the project corridor, new ADA compliant sidewalk ramps, including one Rectangular Rapid Flashing Beacon-signaled crosswalk. Effective July 1, 2015, the County has a new Local Vendor Preference (LVP) policy. Federal funded programs, whether they are receiving the funds directly or as a State pass through are exempt from the LVP policy as mandated by the Federal Register 2 CFR Chapter I, Chapter II Part 200 section 200.319 Competition 7(b) effective December 26, 2014. The project described in this RFP is federally funded and, therefore, exempt from the LVP policy. This project is being supported by Community Development Block Grant (CDBG) funds.

Sealed Proposals: Vendor will deliver one (1) **unbound original** and three (3) **bound copies each with the pricing page flagged** to the County location specified below. In addition, vendor will also deliver an electronic copy on a USB drive, CD-RW, or DVD in pdf format to the location specified below:

Washtenaw County
Administration Building
Purchasing Division
220 N. Main St. Basement
Ann Arbor, MI 48104

By JULY 11, 2016 at 3:00pm EST

A **Mandatory Pre Bid meeting** will be held at the Northfield Township Office, 8350 Main Street, #A, Whitmore Lake, MI 48189 on Wednesday, June 22nd at 10:00AM

Proposals received after the above cited time will be considered a late bid and are not acceptable unless waived by the Purchasing Manager.

- Your proposal submission envelope(s) must be clearly marked *including FedEx & UPS package labels* **"SEALED RFP#6881"**

- Please direct purchasing and procedural questions regarding this RFP to Angela O. Perry **via e-mail only** to perrya@ewashtenaw.org.

- Please direct technical questions regarding this RFP to Departmen contact **via e-mail only** at **Nathan Voght, Economic Development Specialist, at voghtn@ewashtenaw.org.**

Thank you for your interest.

PROPOSAL INFORMATION

I. PROPOSAL DEFINITIONS

Definitions

"Bidder"	An individual or business submitting a bid to Washtenaw County
"Contractor/Vendor"	One who contracts to perform services in accordance with a contract
"County"	Washtenaw County in Michigan
"Department"	Office of Community & Economic Development

II. TERMS

A. Washtenaw County reserves the right to reject any and all proposals received as a result of this RFP. If a proposal is selected, it will be the most advantageous regarding price, quality of service, the CONTRACTORS qualifications and capabilities to provide the specified service, and other factors that the County may consider. The County does not intend to award a contract fully on the basis of any response made to the proposal; the County reserves the right to consider proposals for modifications at any time before a contract would be awarded and negotiations would be undertaken with that CONTRACTOR whose proposal is deemed to best meet the County's specifications and needs.

B. The County reserves the right to reject any or all bids, to waive or not waive informalities or irregularities in bids or bidding procedures, and to accept or further negotiate cost, terms, or conditions of any bid determined by the County to be in the best interests of the County even though not the lowest bid.

C. Proposals must be signed by an official authorized to bind the CONTRACTOR to its provisions for at least a period of 90 days. Failure of the successful bidder to accept the obligation of the contract may result in the cancellation of any award.

D. In the event it becomes necessary to revise any part of the RFP, addenda will be provided. Deadlines for submission of RFP's may be adjusted to allow for revisions. To be considered, **one (1) unbound original and three (3) copies** and an electronic version in pdf format, submitted on CD-RW, DVD or USB drive must be at the County as indicated on or before the date specified.

E. Proposals should be prepared simply and economically providing a straight-forward, concise description of the CONTRACTOR'S ability to meet the requirements of the RFP. Proposals must be typed. No erasures are permitted. Mistakes may be crossed out and corrected and must be initialed in ink by the person signing the proposal. *CONTRACTOR shall ensure that proposals are submitted using both sides of recycled paper whenever practicable.*

F. The initial award of this contract shall be for a period of 1 year(s), with an option to renew an additional six months(s), pending agreement by both parties.

G. CONFLICT OF INTEREST. Contractor warrants that to the best of contractor's knowledge, there exists no actual or potential conflict between contractor and the County, and its Services under this request, and in the event of change in either contractor's private interests or Services under this request, contractor will inform the County regarding possible conflict of interest which may arise as a result of the change. Contractor also affirms that, to the best of contractor's knowledge, there exists no actual or potential conflict between a County employee and Contractor.

H. The bidder shall be responsible for all costs incurred in the development and submission of this response. Washtenaw County assumes no contractual obligation as a result of the issuance of this RFP, the preparation or submission of a response by a bidder, the evaluation of an accepted response, or the selection of finalists. All proposals, including attachments, supplementary materials, addenda, etc. shall become the property of Washtenaw County and will not be returned to the bidder.

I. Any responses, materials, correspondence, or documents provided to Washtenaw County under this solicitation are subject to the State of Michigan Freedom of Information Act and may be released to third parties in compliance with that Act.

J. Local Vendor Preference – A policy adopted by the Washtenaw County Board of Commissioners (BOC) that shall govern the procurement of goods, services and food from local vendors located in Washtenaw County and the State of Michigan. The intent of the BOC is to encourage and promote economic growth and regional job development. The policy shall be applied to Washtenaw County operated programs as allowed, except those that are federally funded directly or indirectly. All other Procurement Policies and Procedures remain in full effect.

K. Vendor Appeal Process – Unsuccessful bidders may appeal an award of contract, lease or purchase order to the County Administrator. All appeals shall be made in writing to the County Administrator within five (5) business days of the Notice to Award. The County Administrator shall take necessary actions to review the appeals and respond to the individual submitting an appeal within five (5) business days. This response shall be documented in writing in the bid file.

III. VENDOR SPECIFICATIONS

The proposal shall include **all** of the following information. Failure to include all of the required information may result in disqualification of a Bidder.

A. State the bidder's qualifications to provide the services required by Washtenaw County. Include years in business under your present company name, staff profile and experience.

(Attach as Addendum A)

B. List three (3) references from previous corporate or government customers purchasing similar services. Include business name, contact name and phone number.

(Attach as Addendum B)

C. Review contract provisions and insurance requirements. Note any limitations on any of the articles or providing insurance requirements as outlined in the contract provisions contained in Sample Contract.

(Attach as Addendum C)

D. Each Proposal shall be accompanied by a cashier's check, certified check, money order or bid bond, payable to Washtenaw County, Office of Community and Economic Development, in an amount not less than five percent (5%) of the amount of the Proposal, as a bid guarantee. The Bid Guarantee of the Bidders under consideration will be returned after approval of the Contract by the Owner. All others will be returned after the Proposal opening.

(Attach as Addendum D)

E. The successful Bidder will be required to furnish a satisfactory Performance Bond and Labor and Material Bond, each in the amount of One Hundred Percent (100%) of the Contract.

IV. AWARD

Award will be made to the lowest responsive, responsible bidder, with the most relevant experience and best qualifications. However, the award may not be based solely on low bid alone.

V. SCOPE OF WORK

The work to be done under this Contract includes the furnishing of all materials, equipment, and labor necessary to construct the proposed sidewalk and pedestrian crossings as well as all necessary earthwork, cleaning and restoration in accordance with the plans and specifications.

VI. SAMPLE STANDARD PROVISIONS FOR CONTRACTS

If a contract is awarded, the selected contractor will be required to adhere to a set of general contract provisions which will become a part of any formal agreement. These provisions are general principles which apply to all contractors of service to Washtenaw County such as the following:

SERVICE CONTRACT - FEDERAL FUNDED **CR_____**

AGREEMENT is made this ----------_day of ---------- , 2016, by the COUNTY OF WASHTENAW, a municipal corporation, with offices located in the County Administration Building, 220 North Main Street, Ann Arbor, Michigan 48107("County") and ***(NAME OF CONTRACTOR)*** located at ***(CONTRACTOR'S ADDRESS)*** ("Contractor").

Federal Awarding Agency	
Federal / State Contract Number	
Federal Program Title	
CFDA Number	
Federal Funding %	

In consideration of the promises below, the parties mutually agree as follows:

ARTICLE I - SCOPE OF SERVICES

The Contractor will perform the scope of services described in Attachment A (bid specifications) of this project. The work to be done under this Contract includes the furnishing of all materials, equipment, and labor necessary to construct the proposed sidewalk and pedestrian crossings as well as all necessary earthwork, cleaning and restoration in accordance with the plans and specifications.

ARTICLE II - COMPENSATION

Upon completion of the above services and submission of invoices the County will pay the Contractor an amount not to exceed ***(SPELL OUT DOLLAR AMOUNT)*** in accordance with specifications described in RFP # 6881 and services described in Attachment A (bid specifications) of this project.

The contractor will comply with established COUNTY disbursement schedules and procedures. CDBG funds will be disbursed to the contractor upon submission of invoices for work completed and inspected. The contractor will provide the OCED with proof of interim & final inspections, final project budget, original Davis-Bacon and Section 3 paperwork, sworn statements from the contractor and sub-contractors, and waivers of lien with the final request for reimbursement of CDBG eligible costs. All checks, invoices, contractors, vouchers, and other accounting documents pertaining in whole or part to this Agreement shall be clearly identified and readily accessible.

ARTICLE III - REPORTING OF CONTRACTOR

Section 1 - The Contractor is to report to ***(DEPARTMENT HEAD TITLE)*** and will cooperate and confer with him/her as necessary to insure satisfactory work progress.

Section 2 - All reports, estimates, memoranda and documents submitted by the Contractor must be dated and bear the Contractor's name.

Section 3 - All reports made in connection with these services are subject to review and final approval by the County Administrator.

Section 4 - The County may review and inspect the Contractor's activities during the term of this contract.

Section 5 - When applicable**,** the Contractor will submit a final, written report to the County Administrator.

Section 6 - After reasonable notice to the Contractor, the County may review any of the Contractor's internal records, reports, or insurance policies.

ARTICLE IV - TERM

This contract begins on ***(MONTH, DAY, YEAR)*** and ends on ***(MONTH, DAY, YEAR)***, *with an option to extend an additional _____ year(s).*

ARTICLE V - PERSONNEL

Section 1 - The contractor will provide the required services and will not subcontract or assign the services without the County's written approval.

Section 2 - The Contractor will not hire any County employee for any of the required services without the County's written approval.

Section 3 - The parties agree that all work done under this contract shall be completed in the United States and that none of the work will be partially or fully completed by either an offshore subcontractor or offshore business interest either owned or affiliated with the contractor. For purposes of this contract, the term, "offshore" refers to any area outside the contiguous United States, Alaska or Hawaii.

ARTICLE VI - INDEPENDENT CONTRACTOR

Contractor and the County shall, at all times, be deemed to be independent contractors and nothing herein shall be construed to create or imply that there exists between the parties a partnership, joint venture or other business organization. Contractor shall hold no authority, express or implied, to commit, obligate or make representations on behalf of the County and shall make no representation to others to the contrary.

Nothing herein is intended nor shall be construed for any purpose as creating the relationship of employer and employee or agent and principal between the parties. Except as otherwise specified in this contract, Contractor retains the sole right and obligation to direct, control or supervise the details and means by which the services under this contract are provided.

Contractor shall not be eligible for, or participate in, any insurance, pension, workers' compensation insurance, profit sharing or other plans established for the benefit of the County's employees. Contractor shall be solely responsible for payment of all taxes arising out of the Contractor's activities in connection with this Agreement, including, without limitation, federal and state income taxes, social security taxes, unemployment insurance taxes and any other tax or business license fees as required. The County shall not be responsible for withholding any income or employment taxes whatsoever on behalf of the Contractor.

ARTICLE VII - INDEMNIFICATION AGREEMENT

The contractor will protect, defend and indemnify Washtenaw County, its officers, agents, servants, volunteers and employees from any and all liabilities, claims, liens, fines, demands and costs, including legal fees, of whatsoever kind and nature which may result in injury or death to any persons, including the Contractor's own employees, and for loss or damage to any property, including property owned or in the care, custody or control of Washtenaw County in connection with or in any way incident to or arising out of the occupancy, use, service, operations, performance or non-performance of work in connection with this contract resulting in whole or in part from negligent acts or omissions of contractor, any sub-contractor, or any employee, agent or representative of the contractor or any sub-contractor.

ARTICLE VIII - INSURANCE REQUIREMENTS

The Contractor will maintain at its own expense during the term of this Contract, the following insurance:

1. Workers' Compensation Insurance with Michigan statutory limits and Employers Liability Insurance with a minimum limit of $100,000 each accident for any employee.

2. Commercial General Liability Insurance with a combined single limit of $1,000,000 each occurrence for bodily injury and property damage. The County shall be added as "additional insured" on general liability policy with respect to the services provided under this contract.

3. Automobile Liability Insurance covering all owned, hired and nonowned vehicles with Personal Protection Insurance and Property Protection Insurance to comply with the provisions of the Michigan No Fault Insurance Law, including residual liability insurance with a minimum combined single limit of $1,000,000 each accident for bodily injury and property damage. For transportation services contracts, the County shall be added as additional insured on automobile liability policy with respect to the services provided under this contract.

Insurance companies, named insureds and policy forms may be subject to the approval of the Washtenaw County Administrator, if requested by the County Administrator. Such approval shall not be unreasonably withheld. Insurance policies shall not contain endorsements or policy conditions which reduce coverage provided to Washtenaw County. Contractor shall be responsible to Washtenaw County or insurance companies insuring Washtenaw County for all costs resulting from both financially unsound insurance companies selected by Contractor and their inadequate insurance coverage. Contractor shall furnish the Washtenaw County Administrator with satisfactory certificates of insurance or a certified copy of the policy, if requested by the County Administrator.

No payments will be made to the Contractor until the current certificates of insurance have been received and approved by the Administrator. If the insurance as evidenced by the certificates furnished by the Contractor expires or is canceled during the term of the contract, services and related payments will be suspended. Contractor shall furnish certification of insurance evidencing such coverage and endorsements at least ten (10) working days prior to commencement of services under this contract. Certificates shall be addressed to the Washtenaw County c/o: ***415 W. Michigan Ave., Ypsilanti, MI 48197, CR#_____,*** and shall provide for written notice to the Certificate holder of cancellation of coverage.

ARTICLE IX - COMPLIANCE WITH LAWS AND REGULATIONS

The Contractor will comply with all federal, state and local regulations, including but not limited to all applicable OSHA/MIOSHA requirements and the Americans with Disabilities Act.

ARTICLE X - INTEREST OF CONTRACTOR AND COUNTY

The Contractor promises that it has no interest which would conflict with the performance of services required by this contract. The Contractor also promises that, in the performance of this contract, no officer, agent, employee of the County of Washtenaw, or member of its governing bodies, may participate in any decision relating to this contract which affects his/her personal interest or the interest of any corporation, partnership or association in which he/she is directly or indirectly interested or has any personal or pecuniary interest. However, this paragraph does not apply if there has been compliance with the provisions of Section 3 of Act No. 317 of the Public Acts of 1968 and/or Section 30 of Act No. 156 of Public Acts of 1851, as amended by Act No. 51 of the Public Acts of 1978, whichever is applicable.

ARTICLE XI - CONTINGENT FEES

The Contractor promises that it has not employed or retained any company or person, other than bona fide employees working solely for the Contractor, to solicit or secure this contract, and that it has not paid or agreed to pay any company or person, other than bona fide employees working solely for the Contractor, any fee, commission, percentage, brokerage fee, gifts or any other consideration contingent upon or resulting from the award or making of this contract. For breach of this promise, the County may cancel this contract without liability or, at its discretion, deduct the full amount of the fee, commission, percentage, brokerage fee, gift or contingent fee from the compensation due the Contractor.

ARTICLE XII – DEBARMENT AND SUSPENSION

By signing this Contract, Contractor assures the County that it will comply with Federal Regulation 45 CFR Part 76 and certifies that to the best of its knowledge and belief the Contractor and any subcontractors retained by Contractor:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any federal department or contractor;

2. Have not within a three-year period preceding this Contract been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property;

3. Are not presently indicted or otherwise criminally or civilly charged by a government entity (federal, state or local) with commission of any of the offenses enumerated in section 2, and ;

4. Have not within a three-year period preceding this Contract had one or more public transactions (federal, state or local) terminated for cause or default.

ARTICLE XIII – LOBBYING

By signing this contract, Contractor assures the County that it will comply with Section 1352, Title 31 of the U.S. Code (pertaining to not using federal monies to influence federal contracting and financial transactions). The Contractor assures the County that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the Contractor, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the making of any Federal grant, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal grant or cooperative agreement;

2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal grant or cooperative agreement, the Contractor shall complete and submit Standard Form - LLL, Disclosure of Lobbying Activities," in accordance with its instructions;

3. This language shall be included in the award documents for all subawards at all tiers (including subgrants, contracts under grants and cooperative agreements, and subcontracts) and that all sub-recipients shall certify and disclose accordingly.

ARTICLE XIV - DRUG-FREE WORKPLACE

Grantees Other Than Individuals

A. As required by the Drug-Free Workplace Act of 1988, the Contractor assures the County that it will or will continue to provide a drug-free workplace by:
   a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
   b) Establishing an on-going drug-free awareness program to inform employees about—
      1) The dangers of drug abuse in the workplace;
      2) The grantee's policy of maintaining a drug-free workplace;
      3) Any available drug counseling, rehabilitation, *and* employee assistance programs; and
      4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
   c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);
   d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will—

1) Abide by the terms of the statement; and
2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;

e) Notifying the County, in writing, within 10 calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to the County;

f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted—
   1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
   2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;

g) Making a good faith effort to continue to maintain a drug- free workplace through implementation of paragraphs (a), (b), (c), (d), (e), and (f).

Grantees Who Are Individuals

As required by the Drug-Free Workplace Act of 1988:

A. As a condition of the grant, the Contractor assures the County that it will not engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in conducting any activity with the grant; and
B. If convicted of a criminal drug offense resulting from a violation occurring during the conduct of any grant activity, the Contractor agrees to report the conviction, in writing, within 10 calendar days of the conviction, to the County.

ARTICLE XV - FEDERAL PROCUREMENT STANDARDS

The Contractor assures the County that it will follow federal procurement standards as described in the Code of Federal Regulations Part 215 Subpart C – Post-Award Requirements, Procurement Standards, Sections 215.40-48 when procuring goods or services with federal funds to insure that procurement decisions are made ethically and with free and open competition among those providing the goods or services.

ARTICLE XVI - EQUAL EMPLOYMENT OPPORTUNITY

The Contractor will not discriminate against any employee or applicant for employment because of race, creed, color, sex, sexual orientation, national origin, physical handicap, age, height, weight, marital status, veteran status, religion and political belief (except as it relates to a bona fide occupational qualification reasonably necessary to the normal operation of the business).

The Contractor will take affirmative action to eliminate discrimination based on sex, race, or a handicap in the hiring of applicant and the treatment of employees. Affirmative action will include, but not be limited to: Employment; upgrading, demotion or transfer; recruitment advertisement; layoff or termination; rates of pay or other forms of compensation; selection for training, including apprenticeship.

The Contractor agrees to post notices containing this policy against discrimination in conspicuous places available to applicants for employment and employees. All solicitations or advertisements for employees, placed by or on the behalf of the Contractor, will state that all

qualified applicants will receive consideration for employment without regard to race, creed, color, sex, sexual orientation, national origin, physical handicap, age, height, weight, marital status, veteran status, religion and political belief.

ARTICLE XVII - LIVING WAGE

The parties understand that the County has enacted a Living Wage Ordinance that requires covered vendors who execute a service or professional service contract with the County to pay their employees under that contract, a minimum of either $12.00 per hour with benefits or $14.07 per hour without benefits. Contractor agrees to comply with this Ordinance in paying its employees. Contractor understands and agrees that an adjustment of the living wage amounts, based upon the Health and Human Services poverty guidelines, will be made on or before April 30, 2016 and annually thereafter which amount shall be automatically incorporated into this contract. County agrees to give Contractor thirty (30) days written notice of such change. Contractor agrees to post a notice containing the County's Living Wage requirements at a location at its place of business accessed by its employees.

ARTICLE XVIII - EQUAL ACCESS

The Contractor shall provide the services set forth in Article I without discrimination on the basis of race, color, religion, national origin, sex, sexual orientation, marital status, physical handicap, or age.

ARTICLE XIX - OWNERSHIP OF DOCUMENTS AND PUBLICATION

All documents developed as a result of this contract will be freely available to the public. None may be copyrighted by the Contractor. During the performance of the services, the Contractor will be responsible for any loss of or damage to the documents while they are in its possession and must restore the loss or damage at its expense. Any use of the information and results of this contract by the Contractor must reference the project sponsorship by the County. Any publication of the information or results must be co-authored by the County.

ARTICLE XX - ASSIGNS AND SUCCESSORS

This contract is binding on the County and the Contractor, their successors and assigns. Neither the County nor the Contractor will assign or transfer its interest in this contract without the written consent of the other.

ARTICLE XXI - TERMINATION OF CONTRACT

Section 1 - Termination without cause. Either party may terminate the contract by giving thirty (30) days written notice to the other party.

Section 2 - In the event of any breach or default by the County or the Contractor of the terms and conditions of this Agreement, the party not in default will give written notice to the party in default specifying the acts and/or omissions constituting the alleged default or breach; if within fifteen (15) working days after issuance of such notice, the party in default has failed to cure such default, then in that event, the party not in default may terminate this Agreement and exercise such other rights as are provided herein and by law for breach of contract; provided, however, that if the alleged default can be cured by the performance of work or repairs or by

some act, the performance of which requires a period of time, such default will be determined to have been cured if, within the above-referenced fifteen (15) working days, the party allegedly in default has begun to cure the default and continues until such default is cured within a reasonable time.

ARTICLE XXII - PAYROLL TAXES

The Contractor is responsible for all applicable state and federal social security benefits and unemployment taxes and agrees to indemnify and protect the County against such liability.

ARTICLE XXIII- PRACTICE AND ETHICS

The parties will conform to the code of ethics of their respective national professional associations.

ARTICLE XXIV- CHANGES IN SCOPE OR SCHEDULE OF SERVICES

Changes mutually agreed upon by the County and the Contractor, will be incorporated into this contract by written amendments signed by both parties.

ARTICLE XXV - CHOICE OF LAW AND FORUM

This contract is to be interpreted by the laws of Michigan. The parties agree that the proper forum for litigation arising out of this contract is in Washtenaw County, Michigan.

ARTICLE XXVI-FEDERALLY REQUIRED PROVISIONS

When applicable, the following provisions shall apply to contracts funded in whole, or in part, by federal award monies:

For "federally assisted construction contracts" as defined by 41 CFR Part 60-1.3, Contractor must comply with the equal opportunity clause provided under 41 CFR 60—1.4(b), in accordance with Executive Order 11246, "Equal Employment Opportunity (30 FR 12319, 12935, 3 CFR Part, 1964—1965 Comp., p. 339), as amended by Executive Order 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and implementing regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor."

For all prime construction contracts exceeding $2,000.00 awarded by non-Federal entities, Contractor shall comply with the Davis-Bacon Act (40 U.S.C. 3141—3144, and 3146—3148), as supplemented by Department of Labor regulations (29 CFR Part 5, "Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction"). Contractor must pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, Contractor must be paid wages not less than once a week. The parties agree that the County will report all suspected or reported violations of this provision to the Federal awarding agency.

In addition, Contractor must also comply with the Copeland "Anti-Kickback Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and

Subcontractors on Public Bidding or Public Work Financed in Whole or in Part by Loans or Grants from the United States") which prohibits Contractor or Subrecipient from inducing, by any means, any person employed in the construction, completion or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. County shall report all suspected or reported violations to the Federal awarding agency.

If this contract exceeds $100,000.00 and involves the employment of mechanics or laborers, Contractor shall comply with U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). To that extent, Contractor must compute the wages of each mechanic and laborer on the basis of a standard forty (40) hour work week with hours exceeding this standard to be paid at one and one half the standard hourly rate. In addition, Contractor agrees that no mechanic or laborer shall be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous.

If the Federal award funding this Agreement meets the definition of "funding agreement" under 37 CFR, Sec. 401.2(a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental or research work under that funding agreement, the recipient or subrecipient must comply with 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency.

If this Agreement and/or subgrant exceeds $150,000.00, Contractor shall comply with all applicable standards, orders and/or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). The parties agree that the County shall report all violations of these Acts to the Federal awarding agency and the Regional Office of the Environmental Protection Agency ("EPA").

Contractor agrees to comply with all mandatory standards and policies relating to energy efficiency which are contained in the State of Michigan's energy conservation plan issued in compliance with the Energy Policy and Conservation Act. (42 U.S.C. 6201).

Contractor agrees to comply with the provisions of the Byrd Anti-Lobbying Amendment (31 U.S.C. Section 1352), which prohibits the use of federal funds by the Contractor or subcontractor of a Federal contract, grant, loan or cooperative agreement to pay any person to influence or attempt to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress or an employee of a member of Congress in connection with the federal funds awarded under this Agreement.

The parties agree that County and Contractor shall comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include, for those items where the purchase price exceeds $10,000.00 or the value of the quantity acquired by the preceding fiscal year exceeded $10,000.00, procuring only items designated in guidelines of the EPA at 40 CFR, Part 247, that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program to procuring recovered materials identified in the EPA guidelines.

ARTICLE XXVII - EXTENT OF CONTRACT

This contract represents the entire agreement between the parties and supersedes all prior representations, negotiations or agreements whether written or oral.

ATTESTED TO:

By:----------
Lawrence Kestenbaum (DATE)
County Clerk/Register

WASHTENAW COUNTY

Gregory Dill (DATE)
County Administrator

APPROVED AS TO CONTENT:

By: ----------
Brett Lenart, Interim Director (DATE)
Washtenaw County Office of Community
And Economic Development

CONTRACTOR

(CONTRACTOR'S NAME) (DATE)

APPROVED AS TO FORM:

By: ----------
Curtis N. Hedger (DATE)
Office of Corporation Counsel

SAMPLE

Attachment A – Specifications, Scope of Service and Timeline

NARRATIVE DESCRIPTION/ SCOPE OF WORK:

WASHTENAW COUNTY will contract with the **CONTRACTOR** for the furnishing of all materials, equipment, and labor necessary to construct the proposed sidewalk and pedestrian crossings as well as all necessary earthwork, cleaning and restoration in accordance with the plans and specifications attached.

SPECIAL CONDITIONS:

The **CONTRACTOR** shall also coordinate with the Office of Community Development to assure that the following requirements for the public facility improvement project are met:

1. CONTRACTOR(s) must follow the requirements of the Davis-Bacon Act and Wage Determination, and the Section 3 regulations, as provided by the Office of Community Development.
2. CONTRACTOR(s) shall submit a project timeline and attend a preconstruction conference with the Office of Community Development.
3. CONTRACTOR(s) agrees that all craftsmen, mechanics and laborers it employs to work on this project shall, at a minimum, receive the prevailing wages and fringe benefits of the Building Trade Department for corresponding classes of craftsmen, mechanics and laborers for the Washtenaw County area, as determined and published by the Davis-Bacon Division of the United States Department of Labor. Contractor agrees that all subcontracts entered into by the Contractor shall contain a similar provision covering any sub-contractor's employees who perform work on this project.
4. CONTRACTOR(s) agree to maintain performance & payment bonds, as indicated in the 2016-17 RFP documents issued by Office of Community and Economic Development.

PROJECT TIMELINE:

Activity	Deadline
Contract Award	July 18th, 2016
Notice to Proceed	August 1st, 2016
Construction Start Date	August 8th, 2016
Substantial Completion Date	August 26th, 2016
Project Completion	September 2, 2016
Project Completion Date:	**September 2, 2016**

BID #6881 Main Street Sidewalk Improvements – Northfield Township

Bid Form

Item	Description	Estimated Quantity		Unit Price	Amount
1	Mobilization, Max 10%	1	Ea	$	$
2	Traffic Control	1	LS	$	$
3	Station Grading	9.4	Sta	$	$
4	Pavt, Rem	24	Syd	$	$
5	Sidewalk, Rem	9	Syd	$	$
6	Erosion Control, Silt Fence	929	Ft	$	$
7	Culv, CMP, 12 inch	35	Ft	$	$
8	Culv End Sect, CMP, 12 inch	4	Ea	$	$
9	Reconstruct Sanitary Structure	2	Ea	$	$
10	Sand Subbase, CL II	156	Ton	$	$
11	Sidewalk, Conc, 4 inch	4132	Sft	$	$
12	Sidewalk Ramp, Conc, 6 inch	100	Sft	$	$
13	Sidewalk, Conc, 6 inch	525	Sft	$	$
14	Irrigation Line	100	Ft	$	$
15	Remove and Reset Irrigation Head	10	Ea	$	$
16	Post, Steel, 3 lb	16	Ft	$	$
17	Sign, Type IIIB	12	Sft	$	$
18	RRFB Assembly	2	Ea	$	$
19	Pavt Mrkg, Ovly Cold Plastic, 6 inch, White	66	Ft	$	$
20	Pavt Mrkg, Ovly Cold Plastic, 12 inch, White	60	Ft	$	$
21	Pavt Mrkg, Ovly Cold Plastic, Ped	2	Ea	$	$
22	Pavt Mrkg, Ovly Cold Plastic, Xing	2	Ea	$	$
23	Turf Establishment	1	LS	$	$
24	Digital Video Recorded Survey	1	LS	$	$
	Total Bid Amount (ITEM 1-24 incl.):				**$**

DRAFT

Wage Determination

General Decision Number: MI160001 02/26/2016 MI1

Superseded General Decision Number: MI20150001

State: Michigan

Construction Types: Highway (Highway, Airport & Bridge xxxxx and Sewer/Incid. to Hwy.)

Counties: Michigan Statewide.

Note: Under Executive Order (EO) 13658, an hourly minimum wage of $10.15 for calendar year 2016 applies to all contracts subject to the Davis-Bacon Act for which the solicitation was issued on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least $10.15 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2016. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/08/2016
1	01/15/2016
2	02/26/2016

CARP0004-004 06/01/2013

REMAINDER OF STATE

	Rates	Fringes
CARPENTER (Piledriver).....	$ 25.34	17.37

CARP0004-005 06/01/2013

LIVINGSTON (Townships of Brighton, Deerfield, Genoa, Hartland, Oceola & Tyrone), MACOMB, MONROE, OAKLAND, SANILAC, ST. CLAIR AND WAYNE COUNTIES

	Rates	Fringes

CARPENTER (Piledriver).....$ 28.09 24.31

ELEC0017-005 06/01/2015

STATEWIDE

	Rates	Fringes
Line Construction		
Groundman/Driver	$ 27.24	12.70
Journeyman Signal Tech, Communications Tech, Tower Tech & Fiber Optic Splicers	$ 36.97	15.37
Journeyman Specialist	$ 42.52	16.89
Operator A	$ 31.32	13.82
Operator B	$ 29.27	13.26

Classifications

Journeyman Specialist: Refers to a crew of only one person working alone.
Operator A: Shall be proficient in operating all power equipment including: Backhoe, Excavator, Directional Bore and Boom/Digger truck.
Operator B: Shall be proficient in operating any 2 of the above mentioned pieces of equipment listed under Operator A.

ENGI0324-003 06/01/2015

ALCONA, ALPENA, ARENAC, BAY, CHEBOYGAN, CLARE, CLINTON, CRAWFORD, GENESEE, GLADWIN, GRATIOT, HURON, INGHAM, IOSCO, ISABELLA, JACKSON, LAPEER, LENAWEE, LIVINGSTON, MACOMB, MIDLAND, MONROE, MONTMORENCY, OAKLAND, OGEMAW, OSCODA, OTSEGO, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLAIR, SANILAC, SHIAWASSEE, TUSCOLA, WASHTENAW AND WAYNE COUNTIES:

	Rates	Fringes
OPERATOR: Power Equipment (Steel Erection)		
GROUP 1	$ 43.82	22.05
GROUP 2	$ 44.82	22.05
GROUP 3	$ 42.32	22.05
GROUP 4	$ 43.32	22.05
GROUP 5	$ 40.82	22.05
GROUP 6	$ 41.82	22.05
GROUP 7	$ 40.55	22.05

GROUP 8	$ 41.55	22.05
GROUP 9	$ 40.10	22.05
GROUP 10	$ 41.10	22.05
GROUP 11	$ 39.37	22.05
GROUP 12	$ 40.37	22.05
GROUP 13	$ 39.01	22.05
GROUP 14	$ 40.01	22.05
GROUP 15	$ 38.37	22.05
GROUP 16	$ 36.67	22.05
GROUP 17	$ 31.56	22.05
GROUP 18	$ 30.15	22.05

FOOTNOTE:

Paid Holidays: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Engineer when operating combination of boom and jib 400' or longer

GROUP 2: Engineer when operating combination of boom and jib 400' or longer on a crane that requires an oiler

GROUP 3: Engineer when operating combination of boom and jib 300' or longer

GROUP 4: Engineer when operating combination of boom and jib 300' or longer on a crane that requires an oiler

GROUP 5: Engineer when operating combination of boom and jib 220' or longer

GROUP 6: Engineer when operating combination of boom and jib 220' or longer on a crane that requires an oiler

GROUP 7: Engineer when operating combination of boom and jib 140' or longer

GROUP 8: Engineer when operating combination of boom and jib 140' or longer on a crane that requires an oiler

GROUP 9: Tower crane & derrick operator (where operator's work station is 50 ft. or more above first sub-level)

GROUP 10: Tower crane & derrick operator (where operator's work station is 50 ft. or more above first sub-level) on a crane that requires an oiler

GROUP 11: Engineer when operating combination of boom and jib

120' or longer

GROUP 12: Engineer when operating combination of boom and jib 120' or longer on a crane that requires an oiler

GROUP 13: Crane operator; job mechanic and 3 drum hoist and excavator

GROUP 14: Crane operator on a crane that requires an oiler

GROUP 15: Hoisting operator; 2 drum hoist and rubber tired backhoe

GROUP 16: Forklift and 1 drum hoist

GROUP 17: Compressor or welder operator

GROUP 18: Oiler

ENGI0324-004 06/01/2014

AREA 1: ALLEGAN, BARRY, BERRIEN, BRANCH, CALHOUN, CASS, EATON, HILLSDALE, IONIA, KALAMAZOO, KENT, LAKE, MANISTEE, MASON, MECOSTA, MONTCALM, MUSKEGON, NEWAYGO, OCEANA, OSCEOLA, OTTAWA, ST. JOSEPH, VAN BUREN

AREA 2: ANTRIM, BENZIE, CHARLEVOIX, EMMET, GRAND TRAVERSE, KALKASKA, LEELANAU, MISSAUKEE AND WEXFORD COUNTIES:

	Rates	Fringes
OPERATOR: Power Equipment (Steel Erection)		
AREA 1		
GROUP 1	$ 29.44	21.70
GROUP 2	$ 29.19	21.70
GROUP 3	$ 28.69	21.70
GROUP 4	$ 23.59	21.70
GROUP 5	$ 21.94	21.70
GROUP 6	$ 19.34	21.70
AREA 2		
GROUP 1	$ 29.44	21.70
GROUP 2	$ 29.19	21.70
GROUP 3	$ 28.19	21.70
GROUP 4	$ 23.29	21.70
GROUP 5	$ 21.64	21.70
GROUP 6	$ 18.84	21.70

FOOTNOTES:

SAMPLE

Crane operator with main boom and jib 300' or longer: $1.50 additional to the group 1 rate. Crane operator with main boom and jib 400' or longer: $3.00 additional to the group 1 rate.
PAID HOLIDAYS: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS:

GROUP 1: Crane Operator with main boom & jib 400', 300', or 220' or longer.

GROUP 2: Crane Operator with main boom & jib 140' or longer, Tower Crane; Gantry Crane; Whirley Derrick.

GROUP 3: Regular Equipment Operator, Crane, Dozer, Loader, Hoist, Straddle Wagon, Mechanic, Grader and Hydro Excavator.

GROUP 4: Air Tugger (single drum), Material Hoist Pump 6" or over, Elevators, Brokk Concrete Breaker.

GROUP 5: Air Compressor, Welder, Generators, Conveyors

GROUP 6: Oiler and fire tender

ENGI0324-005 09/01/2015

AREA 1: GENESEE, LAPEER, LIVINGSTON, MACOMB, MONROE, OAKLAND, ST. CLAIR, WASHTENAW AND WAYNE COUNTIES

AREA 2: ALCONA, ALLEGAN, ALGER, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KWEENAW, LAKE, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, SANILAC, SCHOOLCRAFT, SHIAWASSEE, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

	Rates	Fringes
OPERATOR: Power Equipment (Underground construction (including sewer))		

AREA 1:		
GROUP 1	$ 31.43	21.85
GROUP 2	$ 26.45	21.85
GROUP 3	$ 25.72	21.85
GROUP 4	$ 25.15	21.85
AREA 2:		
GROUP 1	$ 29.47	21.85
GROUP 2	$ 24.58	21.85
GROUP 3	$ 24.08	21.85
GROUP 4	$ 23.80	21.85

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Backfiller tamper; Backhoe; Batch plant operator (concrete); Clamshell; Concrete paver (2 drums or larger); Conveyor loader (Euclid type); Crane (crawler, truck type or pile driving); Dozer; Dragline; Elevating grader; Endloader; Gradall (and similar type machine); Grader; Mechanic; Power shovel; Roller (asphalt); Scraper (self-propelled or tractor drawn); Side boom tractor (type D-4 or equivalent and larger); Slip form paver; Slope paver; Trencher (over 8 ft. digging capacity); Well drilling rig; Concrete pump with boom operator; Hydro Excavator

GROUP 2: Boom truck (power swing type boom); Crusher; Hoist; Pump (1 or more - 6-in. discharge or larger - gas or diesel- powered or powered by generator of 300 amperes or more - inclusive of generator); Side boom tractor (smaller than type D-4 or equivalent); Tractor (pneu-tired, other than backhoe or front end loader); Trencher (8-ft. digging capacity and smaller);Vac Truck

GROUP 3: Air compressors (600 cfm or larger); Air compressors (2 or more-less than 600 cfm); Boom truck (non-swinging, non- powered type boom); Concrete breaker (self-propelled or truck mounted - includes compressor); Concrete paver (1 drum-l/2 yd. or larger); Elevator (other than passenger); Maintenance person; Pump (2 or more-4-in. up to 6-in. discharge-gas or diesel powered - excluding submersible pumps); Pumpcrete machine (and similar equipment); Wagon drill (multiple); Welding machine or generator (2 or more-300 amp. or larger - gas or diesel powered)

GROUP 4: Boiler; Concrete saw (40 hp or over); Curing machine (self-propelled); Farm tractor (with attachment); Finishing machine (concrete); Fire person; Hydraulic pipe pushing machine; Mulching equipment; Oiler; Pumps (2 or more up to 4-in. discharge, if used 3 hours or more a day, gas or diesel powered - excluding submersible pumps); Roller (other than asphalt); Stump remover; Trencher (service);

Vibrating compaction equipment, self-propelled (6 ft. wide or over); End dump operator; Sweeper (Wayne type); Water wagon and Extend-a boom forklift

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ENGI0324-006 06/01/2015

AREA 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES
AREA 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

	Rates	Fringes
Power equipment operators: (AIRPORT, BRIDGE & HIGHWAY CONSTRUCTION)		
AREA 1		
GROUP 1	$ 31.16	22.35
GROUP 2	$ 24.43	22.35
GROUP 3	$ 25.73	22.35
GROUP 4	$ 23.87	22.35
GROUP 5	$ 23.70	22.35
AREA 2		
GROUP 1	$ 31.16	22.35
GROUP 2	$ 24.28	22.35
GROUP 3	$ 25.58	22.35
GROUP 4	$ 23.72	22.35
GROUP 5	$ 23.40	22.35

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Asphalt plant operator; Crane operator (does not include work on bridge construction projects when the crane operator is erecting structural components); Dragline operator; Shovel operator; Locomotive operator; Paver operator (5 bags or more); Elevating grader operator; Pile driving operator; Roller operator (asphalt); Blade grader operator; Trenching machine operator (ladder or wheel type); Auto-grader; Slip form paver; Self-propelled or

tractor-drawn scraper; Conveyor loader operator (Euclid type); Endloader operator (1 yd. capacity and over); Bulldozer; Hoisting engineer; Tractor operator; Finishing machine operator (asphalt); Mechanic; Pump operator (6-in. discharge or over, gas, diesel powered or generator of 300 amp. or larger); Shouldering or gravel distributing machine operator (self- propelled); Backhoe (with over 3/8 yd. bucket); Side boom tractor (type D-4 or equivalent or larger); Tube finisher (slip form paving); Gradall (and similar type machine); Asphalt paver (self- propelled); Asphalt planer (self-propelled); Batch plant (concrete-central mix); Slurry machine (asphalt); Concrete pump (3 in. and over); Roto-mill; Swinging boom truck (over 12 ton capacity); Hydro demolisher (water blaster); Farm-type tractor with attached pan

GROUP 2: Screening plant operator; Washing plant operator; Crusher operator; Backhoe (with 3/8 yd. bucket or less); Side boom tractor (smaller than D-4 type or equivalent); Sweeper (Wayne type and similar equipment); Vacuum truck operator; Batch plant (concrete dry batch)

GROUP 3: Grease Truck

GROUP 4: Air compressor operator (600 cu. ft. per min or more); Air compressor operator (two or more, less than 600 cfm); Wagon drill operator; Concrete breaker; Tractor operator (farm type with attachment)

GROUP 5: Boiler fire tender; Oiler; Fire tender; Trencher (service); Flexplane operator; Cleftplane operator; Grader operator (self-propelled fine-grade or form (concrete)); Finishing machine operator (concrete); Boom or winch hoist truck operator; Endloader operator (under 1 yd. capacity); Roller operator (other than asphalt); Curing equipment operator (self-propelled); Concrete saw operator (40 h.p. or over); Power bin operator; Plant drier operator (asphalt); Vibratory compaction equipment operator (6 ft. wide or over); Guard post driver operator (power driven); All mulching equipment; Stump remover; Concrete pump (under 3-in.); Mesh installer (self- propelled); Tractor operator (farm type); End dump; Skid steer

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ENGI0324-007 05/01/2015

ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES:

BID #6881 Main Street Sidewalk Improvements – Northfield Township

	Rates	Fringes
OPERATOR: Power Equipment (Steel Erection)		
Compressor, welder and forklift	$ 25.21	22.05
Crane operator, main boom & jib 120' or longer	$ 29.96	22.05
Crane operator, main boom & jib 140' or longer	$ 29.21	22.05
Crane operator, main boom & jib 220' or longer	$ 29.46	22.05
Mechanic with truck and tools	$ 29.96	22.05
Oiler and fireman	$ 23.91	22.05
Regular operator	$ 28.46	22.05

ENGI0324-008 10/01/2015

ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MACOMB, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MONROE, MUSKEGON, NEWAYGO, OAKLAND, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN, WASHTENAW, WAYNE AND WEXFORD COUNTIES

	Rates	Fringes
OPERATOR: Power Equipment (Sewer Relining)		
GROUP 1	$ 30.70	12.93
GROUP 2	$ 29.17	12.93

SEWER RELINING CLASSIFICATIONS

GROUP 1: Operation of audio-visual closed circuit TV system, including remote in-ground cutter and other equipment used in connection with the CCTV system

GROUP 2: Operation of hot water heaters and circulation systems, water jetters and vacuum and mechanical debris removal systems

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ENGI0325-012 05/01/2015

AREA 1: MACOMB, MONROE, OAKLAND, ST. CLAIR, WASHTENAW AND WAYNE COUNTIES

AREA 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

	Rates	Fringes
Power equipment operators - gas distribution and duct installation work:		
AREA 1		
GROUP 1	$ 28.73	22.30
GROUP 2	$ 28.60	22.30
GROUP 3	$ 27.48	22.30
GROUP 4	$ 26.90	22.30
AREA 2		
GROUP 1	$ 27.82	22.30
GROUP 2-A	$ 27.72	22.30
GROUP 2-B	$ 27.50	22.30
GROUP 3	$ 26.72	22.30
GROUP 4	$ 26.22	22.30

SCOPE OF WORK: The construction, installation, treating and reconditioning of pipelines transporting gas vapors within cities, towns, subdivisions, suburban areas, or within private property boundaries, up to and including private meter settings of private industrial, governmental or other premises, more commonly referred to as "distribution work," starting from the first metering station, connection, similar or related facility, of the main or cross country pipeline and including duct installation.

AREA 1:

GROUP 1: Backhoe, crane, grader, mechanic, dozer (D-6

equivalent or larger), side boom (D-4 equivalent or larger), trencher(except service), endloader (2 yd. capacity or greater).
GROUP 2: Dozer (less than D-6 equivalent), endloader (under 2 yd. capacity), side boom (under D-4 capacity), backfiller, pumps (1 or 2 of 6-inch discharge or greater), boom truck (with powered boom), tractor (wheel type other than backhoe or front endloader).

GROUP 3: Tamper (self-propelled), boom truck (with non-powered boom), concrete saw (20 hp or larger), pumps (2 to 4 under 6-inch discharge), compressor (2 or more or when one is used continuously into the second day) and trencher(service).

GROUP 4: Oiler, hydraulic pipe pushing machine, grease person and hydrostatic testing operator.

AREA 2:

GROUP 1: Mechanic, crane (over 1/2 yd. capacity), backhoe (over 1/2 yd. capacity), grader (Caterpillar 12 equivalent or larger)

GROUP 2-A: Trencher(except service), backhoe (1/2 yd. capacity or less)

GROUP 2-B: Crane (1/2 yd. capacity or less), compressor (2 or more), dozer (D-4 equivalent or larger), endloader (1 yd. capacity or larger), pump (1 or 2 six-inch or larger), side boom (D-4 equivalent or larger)

GROUP 3: Backfiller, boom truck (powered), concrete saw (20 hp or larger), dozer (less than D-4 equivalent), endloader (under 1 yd. capacity), farm tractor (with attachments), pump (2 - 4 under six-inch capacity), side boom tractor(less than D-4 equivalent), tamper (self-propelled), trencher service and grader maintenance

GROUP 4: Oiler, grease person and hydrostatic testing operator

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IRON0008-007 05/01/2015

ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES:

	Rates	Fringes

Ironworker - pre-engineered metal building erector	$ 23.70	6.95
IRONWORKER		
General contracts $10,000,000 or greater	$ 26.52	24.35
General contracts less than $10,000,000	$ 23.11	24.35

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

IRON0025-002 06/01/2015

ALCONA, ALPENA, ARENAC, BAY, CHEBOYGAN, CLARE, CLINTON, CRAWFORD, GENESEE, GLADWIN, GRATIOT, HURON, INGHAM, IOSCO, ISABELLA, JACKSON, LAPEER, LIVINGSTON, MACOMB, MIDLAND, MONTMORENCY, OAKLAND, OGEMAW, OSCODA, OTSEGO, PRESQUE ISLE, ROSCOMMON, SAGINAW, SANILAC, SHIAWASSEE, ST. CLAIR, TUSCOLA, WASHTENAW AND WAYNE COUNTIES:

	Rates	Fringes
Ironworker - pre-engineered metal building erector Alcona, Alpena, Arenac, Cheboygan, Clare, Clinton, Crawford, Gladwin, Gratiot, Huron, Ingham, Iosco, Isabella, Jackson, Lapeer, Livingston (west of Burkhardt Road), Montmorency, Ogemaw, Oscoda, Otsego, Presque Isle, Roscommon, Sanilac, Shiawassee, Tuscola & Washtenaw (west of U.S. 23)	$ 22.17	20.13
Bay, Genesee, Lapeer, Livingston (east of Burkhardt Road), Macomb, Midland, Oakland, Saginaw, St. Clair, The University of Michigan, Washtenaw (east of U.S. 23) & Wayne	$ 23.39	21.13
IRONWORKER		
Ornamental and Structural	$ 33.78	27.84
Reinforcing	$ 28.30	24.60

IRON0055-005 07/01/2013

SAMPLE

LENAWEE AND MONROE COUNTIES:

	Rates	Fringes
IRONWORKER		
Pre-engineered metal buildings	$ 23.59	19.35
All other work	$ 28.32	19.35

IRON0292-003 06/01/2015

BERRIEN AND CASS COUNTIES:

	Rates	Fringes
IRONWORKER (Including pre-engineered metal building erector)	$ 28.31	20.00

IRON0340-001 06/01/2015

ALLEGAN, ANTRIM, BARRY, BENZIE, BRANCH, CALHOUN, CHARLEVOIX, EATON, EMMET, GRAND TRAVERSE, HILLSDALE, IONIA, KALAMAZOO, KALKASKA, KENT, LAKE, LEELANAU, MANISTEE, MASON, MECOSTA, MISSAUKEE, MONTCALM, MUSKEGON, NEWAYGO, OCEANA, OSCEOLA, OTTAWA, ST. JOSEPH, VAN BUREN AND WEXFORD COUNTIES:

	Rates	Fringes
IRONWORKER (Including pre-engineered metal building erector)	$ 21.68	24.37

LABO0005-006 10/01/2014

	Rates	Fringes
Laborers - hazardous waste abatement: (ALCONA, ALPENA, ANTRIM, BENZIE, CHARLEVOIX, CHEBOYGAN, CRAWFORD, EMMET, GRAND TRAVERSE, IOSCO, KALKASKA, LEELANAU, MISSAUKEE, MONTMORENCY, OSCODA, OTSEGO, PRESQUE ISLE AND WEXFORD COUNTIES - Zone 10)		
Levels A, B or C	$ 17.45	12.75
Work performed in conjunction with site		

SAMPLE

preparation not requiring
the use of personal
protective equipment;
Also, Level D.....$ 16.45 12.75
Laborers - hazardous waste
abatement: (ALGER, BARAGA,
CHIPPEWA, DELTA, DICKINSON,
GOGEBIC, HOUGHTON, IRON,
KEWEENAW, LUCE, MACKINAC,
MARQUETTE, MENOMINEE,
ONTONAGON AND SCHOOLCRAFT
COUNTIES - Zone 11)
Levels A, B or C.....$ 20.91 12.78
Work performed in
conjunction with site
preparation not requiring
the use of personal
protective equipment;
Also, Level D.....$ 19.91 12.78
Laborers - hazardous waste
abatement: (ALLEGAN, BARRY,
BERRIEN, BRANCH, CALHOUN,
CASS, IONIA COUNTY (except
the city of Portland);
KALAMAZOO, KENT, LAKE,
MANISTEE, MASON, MECOSTA,
MONTCALM, MUSKEGON, NEWAYGO,
OCEANA, OSCEOLA, OTTAWA, ST.
JOSEPH AND VAN BUREN COUNTIES
- Zone 9)
Levels A, B or C.....$ 19.99 12.75
Work performed in
conjunction with site
preparation not requiring
the use of personal
protective equipment;
Also, Level D.....$ 18.99 12.75
Laborers - hazardous waste
abatement: (ARENAC, BAY,
CLARE, GLADWIN, GRATIOT,
HURON, ISABELLA, MIDLAND,
OGEMAW, ROSCOMMON, SAGINAW
AND TUSCOLA COUNTIES - Zone 8)
Levels A, B or C.....$ 20.02 12.75
Work performed in
conjunction with site
preparation not requiring
the use of personal
protective equipment;
Also, Level D.....$ 19.02 12.75
Laborers - hazardous waste

SAMPLE

abatement: (CLINTON, EATON AND INGHAM COUNTIES; IONIA COUNTY (City of Portland); LIVINGSTON COUNTY (west of Oak Grove Rd., including the City of Howell) - Zone 6)

Levels A, B or C.....$ 23.29 12.75

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;

Also, Level D.....$ 22.29 12.75

Laborers - hazardous waste abatement: (GENESEE, LAPEER AND SHIAWASSEE COUNTIES - Zone 7)

Levels A, B or C.....$ 23.40 12.79

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;

Also, Level D.....$ 22.40 12.79

Laborers - hazardous waste abatement: (HILLSDALE, JACKSON AND LENAWEE COUNTIES - Zone 4)

Levels A, B or C.....$ 30.00 14.09

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;

Also, Level D.....$ 29.00 14.09

Laborers - hazardous waste abatement: (LIVINGSTON COUNTY (east of Oak Grove Rd. and south of M-59, excluding the city of Howell); AND WASHTENAW COUNTY - Zone 3)

Levels A, B or C.....$ 29.32 13.85

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;

Also, Level D.....$ 28.32 13.85

Laborers - hazardous waste abatement: (MACOMB AND WAYNE COUNTIES - Zone 1)

SAMPLE

Levels A, B or C.....$ 27.94 16.55
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 26.94 16.55
Laborers - hazardous waste abatement: (MONROE COUNTY - Zone 4)
Levels A, B or C.....$ 30.00 14.09
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 29.00 14.09
Laborers - hazardous waste abatement: (OAKLAND COUNTY and the Northeast portion of LIVINGSTON COUNTY bordered by Oak Grove Road on the West and M-59 on the South - Zone 2)
Level A, B, C.....$ 27.94 16.55
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 26.94 16.55
Laborers - hazardous waste abatement: (SANILAC AND ST. CLAIR COUNTIES - Zone 5)
Levels A, B or C.....$ 24.97 15.19
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 23.97 15.19

LABO0259-001 09/01/2015

AREA 1: MACOMB, OAKLAND AND WAYNE COUNTIES
AREA 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT,

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONROE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN, WASHTENAW AND WEXFORD COUNTIES

	Rates	Fringes
Laborers - tunnel, shaft and caisson:		
AREA 1		
GROUP 1	$ 21.57	16.68
GROUP 2	$ 21.68	16.68
GROUP 3	$ 21.74	16.68
GROUP 4	$ 21.92	16.68
GROUP 5	$ 22.17	16.68
GROUP 6	$ 22.50	16.68
GROUP 7	$ 15.78	16.68
AREA 2		
GROUP 1	$ 23.10	12.75
GROUP 2	$ 23.19	12.75
GROUP 3	$ 23.29	12.75
GROUP 4	$ 23.45	12.75
GROUP 5	$ 23.71	12.75
GROUP 6	$ 24.02	12.75
GROUP 7	$ 16.29	12.75

SCOPE OF WORK: Tunnel, shaft and caisson work of every type and description and all operations incidental thereto, including, but not limited to, shafts and tunnels for sewers, water, subways, transportation, diversion, sewerage, caverns, shelters, aquafers, reservoirs, missile silos and steel sheeting for underground construction.

TUNNEL LABORER CLASSIFICATIONS

GROUP 1: Tunnel, shaft and caisson laborer, dump, shanty, hog house tender, testing (on gas) and watchman

GROUP 2: Manhole, headwall, catch basin builder, bricklayer tender, mortar machine and material mixer

GROUP 3: Air tool operator (jackhammer, bush hammer and grinder), first bottom, second bottom, cage tender, car pusher, carrier, concrete, concrete form, concrete repair, cement invert laborer, cement finisher, concrete shoveler, conveyor, floor, gasoline and electric tool operator, gunite, grout operator, welder, heading dinky person,

inside lock tender, pea gravel operator, pump, outside lock tender, scaffold, top signal person, switch person, track, tugger, utility person, vibrator, winch operator, pipe jacking, wagon drill and air track operator and concrete saw operator (under 40 h.p.)

GROUP 4: Tunnel, shaft and caisson mucker, bracer, liner plate, long haul dinky driver and well point

GROUP 5: Tunnel, shaft and caisson miner, drill runner, key board operator, power knife operator, reinforced steel or mesh (e.g. wire mesh, steel mats, dowel bars, etc.)

GROUP 6: Dynamite and powder

GROUP 7: Restoration laborer, seeding, sodding, planting, cutting, mulching and top soil grading; and the restoration of property such as replacing mailboxes, wood chips, planter boxes, flagstones, etc.

LABO0334-001 09/01/2015

	Rates	Fringes
Laborers - open cut:		
ZONE 1 - MACOMB, OAKLAND AND WAYNE COUNTIES:		
GROUP 1	$ 21.42	16.68
GROUP 2	$ 21.53	16.68
GROUP 3	$ 21.58	16.68
GROUP 4	$ 21.66	16.68
GROUP 5	$ 21.72	16.68
GROUP 6	$ 19.17	16.68
GROUP 7	$ 15.79	16.68
ZONE 2 - LIVINGSTON COUNTY (east of M-151 (Oak Grove Rd.)); MONROE AND WASHTENAW COUNTIES:		
GROUP 1	$ 22.75	12.75
GROUP 2	$ 22.86	12.75
GROUP 3	$ 22.98	12.75
GROUP 4	$ 23.05	12.75
GROUP 5	$ 23.20	12.75
GROUP 6	$ 20.50	12.75
GROUP 7	$ 17.14	12.75
ZONE 3 - CLINTON, EATON, GENESEE, HILLSDALE AND INGHAM COUNTIES; IONIA COUNTY (City of Portland); JACKSON, LAPEER AND		

SAMPLE

LENAWEE COUNTIES;
LIVINGSTON COUNTY (west of
M-151 Oak Grove Rd.);
SANILAC, ST. CLAIR AND
SHIAWASSEE COUNTIES:

GROUP 1	$ 20.94	12.75
GROUP 2	$ 21.08	12.75
GROUP 3	$ 21.20	12.75
GROUP 4	$ 21.25	12.75
GROUP 5	$ 21.39	12.75
GROUP 6	$ 18.69	12.75
GROUP 7	$ 15.84	12.75

ZONE 4 - ALCONA, ALLEGAN,
ALPENA, ANTRIM, ARENAC,
BARRY, BAY, BENZIE,
BERRIEN, BRANCH,
CALHOUN, CASS, CHARLEVOIX,
CHEBOYGAN, CLARE,
CRAWFORD, EMMET,
GLADWIN, GRAND TRAVERSE,
GRATIOT AND HURON
COUNTIES; IONIA COUNTY
(EXCEPT THE CITY OF
PORTLAND); IOSCO,
ISABELLA, KALAMAZOO,
KALKASKA, KENT,
LAKE,LEELANAU, MANISTEE,
MASON, MECOSTA, MIDLAND,
MISSAUKEE, MONTCALM,
MONTMORENCY, MUSKEGON,
NEWAYGO, OCEANA, OGEMAW,
OSCEOLA, OSCODA, OTSEGO,
OTTAWA, PRESQUE ISLE,
ROSCOMMON, SAGINAW, ST.
JOSEPH, TUSCOLA, VAN BUREN
AND WEXFORD COUNTIES:

GROUP 1	$ 19.95	12.75
GROUP 2	$ 20.08	12.75
GROUP 3	$ 20.19	12.75
GROUP 4	$ 20.26	12.75
GROUP 5	$ 20.38	12.75
GROUP 6	$ 17.60	12.75
GROUP 7	$ 15.94	12.75

ZONE 5 - ALGER, BARAGA,
CHIPPEWA, DELTA,
DICKINSON, GOGEBIC,
HOUGHTON, IRON,
KEWEENAW, LUCE, MACKINAC,
MARQUETTE, MENOMINEE,
ONTONAGON AND SCHOOLCRAFT
COUNTIES:

SAMPLE

GROUP 1	$ 20.26	12.75
GROUP 2	$ 20.40	12.75
GROUP 3	$ 20.53	12.75
GROUP 4	$ 20.58	12.75
GROUP 5	$ 20.63	12.75
GROUP 6	$ 18.01	12.75
GROUP 7	$ 16.12	12.75

SCOPE OF WORK:

Open cut construction work shall be construed to mean work which requires the excavation of earth including industrial, commercial and residential building site excavation and preparation, land balancing, demolition and removal of concrete and underground appurtenances, grading, paving, sewers, utilities and improvements; retention, oxidation, flocculation and irrigation facilities, and also including but not limited to underground piping, conduits, steel sheeting for underground construction, and all work incidental thereto, and general excavation. For all areas except the Upper Peninsula, open cut construction work shall also be construed to mean waterfront work, piers, docks, seawalls, breakwalls, marinas and all incidental work. Open cut construction work shall not include any structural modifications, alterations, additions and repairs to buildings, or highway work, including roads, streets, bridge construction and parking lots or steel erection work and excavation for the building itself and back filling inside of and within 5 ft. of the building and foundations, footings and piers for the building. Open cut construction work shall not include any work covered under Tunnel, Shaft and Caisson work.

OPEN CUT LABORER CLASSIFICATIONS

GROUP 1: Construction laborer

GROUP 2: Mortar and material mixer, concrete form person, signal person, well point person, manhole, headwall and catch basin builder, headwall, seawall, breakwall and dock builder

GROUP 3: Air, gasoline and electric tool operator, vibrator operator, driller, pump person, tar kettle operator, bracer, rodder, reinforced steel or mesh person (e.g., wire mesh, steel mats, dowel bars, etc.), welder, pipe jacking and boring person, wagon drill and air track operator and concrete saw operator (under 40 h.p.), windlass and tugger person and directional boring person

GROUP 4: Trench or excavating grade person

GROUP 5: Pipe layer (including crock, metal pipe, multi-plate or other conduits)

GROUP 6: Grouting man, audio-visual television operations and all other operations in connection with closed circuit television inspection, pipe cleaning and pipe relining work and the installation and repair of water service pipe and appurtenances

GROUP 7: Restoration laborer, seeding, sodding, planting, cutting, mulching and top soil grading; and the restoration of property such as replacing mailboxes, wood chips, planter boxes, flagstones, etc.

LABO0465-001 06/01/2015

LABORER: Highway, Bridge and Airport Construction

AREA 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES

AREA 2: ALLEGAN, BARRY, BAY, BERRIEN, BRANCH, CALHOUN, CASS, CLINTON, EATON, GRATIOT, HILLSDALE, HURON, INGHAM, JACKSON, KALAMAZOO, LAPEER, LENAWEE, LIVINGSTON, MIDLAND, MUSKEGON, SAGINAW, SANILAC, SHIAWASSEE, ST. CLAIR, ST. JOSEPH, TUSCOLA AND VAN BUREN COUNTIES

AREA 3: ALCONA, ALPENA, ANTRIM, ARENAC, BENZIE, CHARLEVOIX, CHEBOYGAN, CLARE, CRAWFORD, EMMET, GLADWIN, GRAND TRAVERSE, IONIA, IOSCO, ISABELLA, KALKASKA, KENT, LAKE, LEELANAU, MANISTEE, MASON, MECOSTA, MISSAUKEE, MONTCALM, MONTMORENCY, NEWAYGO, OCEANA, OGEMAW, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON AND WEXFORD COUNTIES

AREA 4: ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC, MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES

	Rates	Fringes
LABORER (AREA 1)		
GROUP 1	$ 25.06	13.00
GROUP 2	$ 25.19	13.00
GROUP 3	$ 25.37	13.00
GROUP 4	$ 25.45	13.00
GROUP 5	$ 25.66	13.00
GROUP 6	$ 25.96	13.00
LABORER (AREA 2)		

GROUP 1	$ 23.06	12.95
GROUP 2	$ 23.26	12.95
GROUP 3	$ 23.50	12.95
GROUP 4	$ 23.85	12.95
GROUP 5	$ 23.72	12.95
GROUP 6	$ 24.06	12.95
LABORER (AREA 3)		
GROUP 1	$ 22.31	12.95
GROUP 2	$ 22.52	12.95
GROUP 3	$ 22.81	12.95
GROUP 4	$ 23.25	12.95
GROUP 5	$ 22.87	12.95
GROUP 6	$ 23.30	12.95
LABORER (AREA 4)		
GROUP 1	$ 22.31	12.95
GROUP 2	$ 22.52	12.95
GROUP 3	$ 22.81	12.95
GROUP 4	$ 23.25	12.95
GROUP 5	$ 22.87	12.95
GROUP 6	$ 23.30	12.95

LABORER CLASSIFICATIONS

GROUP 1: Asphalt shoveler or loader; asphalt plant misc.; burlap person; yard person; dumper (wagon, truck, etc.); joint filling laborer; miscellaneous laborer; unskilled laborer; sprinkler laborer; form setting laborer; form stripper; pavement reinforcing; handling and placing (e.g., wire mesh, steel mats, dowel bars); mason's tender or bricklayer's tender on manholes; manhole builder; headwalls, etc.; waterproofing,(other than buildings) seal coating and slurry mix, shoring, underpinning; pressure grouting; bridge pin and hanger removal; material recycling laborer; horizontal paver laborer (brick, concrete, clay, stone and asphalt); ground stabilization and modification laborer; grouting; waterblasting; top person; railroad track and trestle laborer; carpenters' tender; guard rail builders' tender; earth retention barrier and wall and M.S.E. wall installer's tender; highway and median installer's tender(including sound, retaining, and crash barriers); fence erector's tender; asphalt raker tender; sign installer; remote control operated equipment.

GROUP 2: Mixer operator (less than 5 sacks); air or electric tool operator (jackhammer, etc.); spreader; boxperson (asphalt, stone, gravel); concrete paddler; power chain saw operator; paving batch truck dumper; tunnel mucker (highway work only); concrete saw (under 40 h.p.) and dry pack machine; roto-mill grounds person.

GROUP 3: Tunnel miner (highway work only); finishers tenders;

guard rail builders; highway and median barrier installer; earth retention barrier and wall and M.S.E. wall installer's (including sound, retaining and crash barriers); fence erector; bottom person; powder person; wagon drill and air track operator; diamond and core drills; grade checker; certified welders; curb and side rail setter's tender.

GROUP 4: Asphalt raker

GROUP 5: Pipe layers, oxy-gun

GROUP 6: Line-form setter for curb or pavement; asphalt screed checker/screw man on asphalt paving machines.

LABO1076-005 04/01/2015

MICHIGAN STATEWIDE

	Rates	Fringes
LABORER (DISTRIBUTION WORK)		
Zone 1	$ 19.77	12.75
Zone 2	$ 18.15	12.75
Zone 3	$ 16.38	12.75
Zone 4	$ 15.75	12.75
Zone 5	$ 15.75	12.75

DISTRIBUTION WORK - The construction, installation, treating and reconditioning of distribution pipelines transporting coal, oil, gas or other similar materials, vapors or liquids, including pipelines within private property boundaries, up to and including the meter settings on residential, commercial, industrial, institutional, private and public structures. All work covering pumping stations and tank farms not covered by the Building Trades Agreement. Other distribution lines with the exception of sewer, water and cable television are included.

Underground Duct Layer Pay: $.40 per hour above the base pay rate.

Zone 1 - Macomb, Oakland and Wayne
Zone 2 - Monroe and Washtenaw
Zone 3 - Bay, Genesee, Lapeer, Midland, Saginaw, Sanilac, Shiawassee and St. Clair
Zone 4 - Alger, Baraga, Chippewa, Delta, Dickinson, Gogebic, Houghton, Iron, Keweenaw, Luce, Mackinac, Marquette, Menominee, Ontonagon and Schoolcraft
Zone 5 - Remaining Counties in Michigan

PAIN0022-002 07/01/2008

HILLSDALE, JACKSON AND LENAWEE COUNTIES; LIVINGSTON COUNTY (east of the eastern city limits of Howell, not including the city of Howell, north to the Genesee County line and south to the Washtenaw County line); MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES:

	Rates	Fringes
PAINTER	$ 25.06	14.75

FOOTNOTES: For all spray work and journeyman rigging for spray work, also blowing off, $0.80 per hour additional (applies only to workers doing rigging for spray work on off the floor work. Does not include setting up or moving rigging on floor surfaces, nor does it apply to workers engaged in covering up or tending spray equipment. For all sandblasting and spray work performed on highway bridges, overpasses, tanks or steel, $0.80 per hour additional. For all brushing, cleaning and other preparatory work (other than spraying or steeplejack work) at scaffold heights of fifty (50) feet from the ground or higher, $0.50 per hour additional. For all preparatorial work and painting performed on open steel under forty (40) feet when no scaffolding is involved, $0.50 per hour additional. For all swing stage work-window jacks and window belts-exterior and interior, $0.50 per hour additional. For all spray work and sandblaster work to a scaffold height of forty (40) feet above the floor level, $0.80 per hour additional. For all preparatorial work and painting on all highway bridges or overpasses up to forty (40) feet in height, $0.50 per hour additional. For all steeplejack work performed where the elevation is forty (40) feet or more, $1.25 per hour additional.

PAIN0312-001 06/12/2014

EXCLUDES: ALLEGAN COUNTY (Townships of Dorr, Fillmore, Heath, Hopkins, Laketown, Leighton, Manlius, Monterey, Overisel, Salem, Saugatuck and Wayland); INCLUDES: Barry, Berrien, Branch, Calhoun, Cass, Hillsdale, Kalamazoo, St. Joseph, Van Buren

	Rates	Fringes

PAINTER
Brush and roller.....$ 21.75 11.94
Spray, Sandblast, Sign
Painting.....$ 22.75 11.94

PAIN0845-003 05/21/2014

CLINTON COUNTY; EATON COUNTY (does not include the townships of Bellevue and Olivet); INGHAM COUNTY; IONIA COUNTY (east of Hwy. M 66); LIVINGSTON COUNTY (west of the eastern city limits of Howell, including the city of Howell, north to the Genesee County line and south to the Washtenaw County line); AND SHIAWASSEE COUNTY (Townships of Bennington, Laingsbury and Perry):

	Rates	Fringes
PAINTER	$ 21.89	11.85

PAIN0845-015 05/21/2014

MUSKEGON COUNTY; NEWAYGO COUNTY (except the Townships of Barton, Big Prairie, Brooks, Croton, Ensley, Everett, Goodwell, Grant, Home, Monroe, Norwich and Wilcox); OCEANA COUNTY; OTTAWA COUNTY (except the townships of Allendale, Blendone, Chester, Georgetown, Holland, Jamestown, Olive, Park, Polkton, Port Sheldon, Tallmadge, Wright and Zeeland):

	Rates	Fringes
PAINTER	$ 21.89	11.85

PAIN0845-018 05/21/2014

ALLEGAN COUNTY (Townships of Dorr, Fillmore, Heath, Hopkins, Laketown, Leighton, Manlius, Monterey, Overisel, Salem, Saugatuck and Wayland); IONIA COUNTY (west of Hwy. M-66); KENT, MECOSTA AND MONTCALM COUNTIES; NEWAYGO COUNTY (Townships of Barton, Big Prairie, Brooks, Croton, Ensley, Everett, Goodwell, Grant, Home, Monroe, Norwich and Wilcox); OSCEOLA COUNTY (south of Hwy. #10); OTTAWA COUNTY (Townships of Allendale, Blendone, Chester, Georgetown, Holland, Jamestown, Olive, Park, Polkton, Port Sheldon, Tallmadge, Wright and Zeeland):

	Rates	Fringes
PAINTER	$ 21.89	11.85

CANCEL

FOOTNOTES: Lead abatement work: $1.00 per hour additional.

PAIN1011-003 06/05/2014

ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC, MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES:

	Rates	Fringes
PAINTER	$ 24.15	10.52

FOOTNOTES: High pay (bridges, overpasses, watertower): 30 to 80 ft.: $.65 per hour additional. 80 ft. and over: $1.30 per hour additional.

PAIN1474-002 06/01/2010

HURON COUNTY; LAPEER COUNTY (east of Hwy. M-53); ST. CLAIR, SANILAC AND TUSCOLA COUNTIES:

	Rates	Fringes
PAINTER	$ 23.79	12.02

FOOTNOTES: Lead abatement work: $1.00 per hour additional. Work with any hazardous material: $1.00 per hour additional. Sandblasting, steam cleaning and acid cleaning: $1.00 per hour additional. Ladder work at or above 40 ft., scaffold work at or above 40 ft., swing stage, boatswain chair, window jacks and all work performed over a falling height of 40 ft.: $1.00 per hour additional. Spray gun work, pick pullers and those handling needles, blowing off by air pressure, and any person rigging (setting up and moving off the ground): $1.00 per hour additional. Steeplejack, tanks, gas holders, stacks, flag poles, radio towers and beacons, power line towers, bridges, etc.: $1.00 per hour additional, paid from the ground up.

PAIN1803-003 12/01/2015

ALCONA, ALPENA, ANTRIM, ARENAC, BAY, BENZIE, CHARLEVOIX, CHEBOYGAN, CLARE, CRAWFORD, EMMET, GLADWIN, GRAND TRAVERSE, GRATIOT, IOSCO, ISABELLA, KALKASKA, LAKE, LEELANAU, MANISTEE, MASON, MIDLAND, MISSAUKEE, MONTMORENCY AND OGEMAW COUNTIES; OSCEOLA COUNTY (north of Hwy. #10); OSCODA, OTSEGO, PRESQUE ISLE, ROSCOMMON, SAGINAW AND WEXFORD COUNTIES:

	Rates	Fringes
PAINTER		
Work performed on water, bridges over water or moving traffic, radio and powerline towers, elevated tanks, steeples, smoke stacks over 40 ft. of falling heights, recovery of lead-based paints and any work associated with industrial plants, except maintenance of industrial		
plants	$ 24.50	13.25
All other work, including maintenance of industrial		
plant	$ 23.08	13.25

FOOTNOTES: Spray painting, sandblasting, blowdown associated with spraying and blasting, water blasting and work involving a swing stage, boatswain chair or spider: $1.00 per hour additional. All work performed inside tanks, vessels, tank trailers, railroad cars, sewers, smoke stacks, boilers or other spaces having limited egress not including buildings, opentop tanks, pits, etc.: $1.25 per hour additional.

PLAS0514-001 06/01/2014

ZONE 1: GENESEE, LIVINGSTON, MACOMB, MONROE, OAKLAND, SAGINAW, WASHTENAW AND WAYNE COUNTIES

ZONE 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SANILAC, SCHOOLCRAFT, SHIAWASSEE, ST. CLAIR, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
ZONE 1	$ 29.59	12.59
ZONE 2	$ 28.29	12.59

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* PLUM0190-003 05/01/2015

ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MACOMB, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MONROE, MUSKEGON, NEWAYGO, OAKLAND, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN, WASHTENAW, WAYNE AND WEXFORD COUNTIES

	Rates	Fringes
Plumber/Pipefitter - gas distribution pipeline: Welding in conjunction with gas distribution		
pipeline work	$ 33.03	20.19
All other work:	$ 24.19	12.28

TEAM0007-004 06/01/2015

AREA 1: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, SANILAC, SCHOOLCRAFT, SHIAWASSEE, ST. CLAIR, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

AREA 2: GENESEE, LIVINGSTON, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES

	Rates	Fringes
TRUCK DRIVER		
AREA 1		
Euclids, double bottoms and lowboys	$ 25.05	.50 + a+b
Trucks under 8 cu. yds.	$ 24.80	.50 + a+b
Trucks, 8 cu. yds. and over	$ 24.90	.50 + a+b
AREA 2		
Euclids, double bottomms and lowboys	$ 24.895	.50 + a+b
Euclids, double bottoms and lowboys	$ 25.15	.50 + a+b
Trucks under 8 cu. yds.	$ 24.90	.50 + a+b
Trucks, 8 cu. yds. and over	$ 25.00	.50 + a+b

Footnote:
a. $419.45 per week
b. $59.50 daily

TEAM0247-004 06/01/2004

AREA 1: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SANILAC, SCHOOLCRAFT, SHIAWASSEE, SAGINAW, ST. CLAIR, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

AREA 2: GENESEE, LIVINGSTON, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES

	Rates	Fringes
Sign Installer		
AREA 1		
GROUP 1	$ 20.18	.15 + a
GROUP 2	$ 19.93	.15 + a
AREA 2		
GROUP 1	$ 21.73	.15 + a
GROUP 2	$ 21.48	.15 + a

FOOTNOTE:

a. $132.70 per week, plus $17.80 per day.

SIGN INSTALLER CLASSIFICATIONS:

GROUP 1: performs all necessary labor and uses all tools required to construct and set concrete forms required in the installation of highway and street signs

GROUP 2: performs all miscellaneous labor, uses all hand and power tools, and operates all other equipment, mobile or otherwise, required for the installation of highway and street signs

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TEAM0247-010 04/01/2015

AREA 1: LAPEER AND SHIAWASSEE COUNTIES

AREA 2: GENESEE, MACOMB, MONROE, OAKLAND, ST. CLAIR, WASHTENAW AND WAYNE COUNTIES

	Rates	Fringes
TRUCK DRIVER (Underground construction)		
AREA 1		
GROUP 1	$ 22.37	405.90/wk+59.50/day
GROUP 2	$ 22.46	405.90/wk+59.50/day
GROUP 3	$ 22.67	405.90/wk+59.50/day
AREA 2		
GROUP 1	$ 22.67	405.90/wk+59.50/day
GROUP 2	$ 22.81	405.90/wk+59.50/day
GROUP 3	$ 23.00	405.90/wk+59.50/day

PAID HOLIDAYS: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

SCOPE OF WORK: Excavation, site preparation, land balancing, grading, sewers, utilities and improvements; also including but not limited to, tunnels, underground piping, retention, oxidation, flocculation facilities, conduits, general excavation and steel sheeting for underground construction. Underground construction work shall not include any structural modifications, alterations, additions and repairs to buildings or highway work, including roads, streets, bridge construction and parking lots or steel erection.

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Truck driver on all trucks (EXCEPT dump trucks of 8 cubic yards capacity or over, pole trailers, semis, low boys, Euclid, double bottom and fuel trucks)

GROUP 2: Truck driver on dump trucks of 8 cubic yards capacity or over, pole trailers, semis and fuel trucks

GROUP 3: Truck driver on low boy, Euclid and double bottom

SUMI2002-001 05/01/2002

	Rates	Fringes
Flag Person	$ 10.10	0.00
LINE PROTECTOR (ZONE 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE)	$ 18.98	12.17
LINE PROTECTOR (ZONE 2: STATEWIDE (EXCLUDING GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE)	$ 17.14	12.17
Pavement Marking Machine (ZONE 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES) Group 1	$ 24.89	12.17
Pavement Marking Machine (ZONE 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE) Group 2	$ 22.40	12.17
Pavement Marking Machine (ZONE 2: STATEWIDE (EXCLUDING GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES) Group 1	$ 22.89	12.17
Pavement Marking Machine (ZONE 2: STATEWIDE (EXCLUDING GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE)		

SAMPLE

Group 2.....$ 20.60 12.17

WORK CLASSIFICATIONS:

PAVEMENT MARKER GROUP 1: Drives or operates a truck mounted striper, grinder, blaster, groover, or thermoplastic melter for the placement or removal of temporary or permanent pavement markings or markers.

PAVEMENT MARKER GROUP 2: Performs all functions involved for the placement or removal of temporary or permanent pavement markings or markers not covered by the classification of Pavement Marker Group 1 or Line Protector.

LINE PROTECTOR: Performs all operations for the protection or removal of temporary or permanent pavement markings or markers in a moving convoy operation not performed by the classification of Pavement Marker Group 1. A moving convoy operation is comprised of only Pavement Markers Group 1 and Line Protectors.

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or

SAMPLE

"UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is

based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an

interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

==========

END OF GENERAL DECISION

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

SIGNATURE PAGE

Signature	Company Name
Print Name	Company Address
Title	City, County, St. Zip
Office Telephone #	Cell Phone #
Federal Tax ID #	Email Address for Purchase Orders

The above individual is authorized to sign on behalf of company submitting proposal.

Proposals must be signed by an official authorized to bind the provider to its provisions for at least a period of 90 days. Signature page must be signed, boxes checked below, and returned as part of vendor proposal.

☐ By signing this bid submission, I certify that I and/or my corporation, company, limited liability company, business association, partnership, society, trust or any other non-governmental entity, organization or group is not an "Iran linked business" as defined by P.A. 517 of 2012 (MCLA 129.311 et seq)("Act").

I understand that under the Act, an "Iran linked business means an individual or one of the above-listed groups who engages in investment activities in the energy sector of Iran, including, but not limited to, providing oil or liquefied natural gas tankers or products used to construct or maintain pipelines used to transport oil or liquefied gas for Iran's energy sector or a financial institution extending credit to another person to engage in investment activities in Iran's energy sector.

I further understand that "investment activity" is defined by the Act as an individual or one of the above listed groups that invests $20,000,000.00 or more in Iran's energy sector or a financial institution that extends credit to another person, if that person uses the credit to engage in "investment activity" in Iran's energy sector.

SAMPLE

Howard Fink

From: Jacob Rushlow [jacob.rushlow@ohm-advisors.com]
Sent: Monday, June 13, 2016 10:11 AM
To: Nathan Voght; Angela Perry
Cc: Howard Fink
Subject: RE: WCRC Permit Application

Thanks Nathan. Yes, I can update the permit info in our instructions to bidders document. We are going through the final QAQC comments and will have an update for you later today. If the files are too large for e-mail I may upload them to our FTP server and will send you a link to download them.

Jacob

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Monday, June 13, 2016 10:06 AM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com>; Angela Perry <perrya@ewashtenaw.org>
Cc: Howard Fink <finkh@twp.northfield.mi.us>
Subject: RE: WCRC Permit Application

Angela and Jacob,

Attached is the final draft of the RFP. I've inserted all dates, as we've discussed. Please review this so we can finalize it. I am trying to get updated "Wage Determinations" t insert.

Jacob, please email me all attached documents that I'll need to attach to the RFP, once you've updated with the contractor info, below.

Here is what you need to include in the contractor's info related to WCRC and SESC:

WCRC Permit Requirements:

A letter from the County stating they will retain at least 10% of contract amount and only make final payment once WCRC has approved the work An inspection fee of 3% of the work within the ROW, or a minimum of $500 An application fee of $100

SESC Permit Requirements:

$500 permit fee
$2,000 Performance Guarantee in the form of Cash, Check, or Letter of Credit from a bank.

Can you update your contractor info, accordingly?

Nathan

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Monday, June 13, 2016 9:20 AM
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Hi Nathan. Yes, someone from the County should attend the pre-bid meeting. I would suggest 10:00 AM for Wed 6/22 pre-bid.

We also need to set a time for the Mon. 7/11 bids due. Does the County have a standard time? The draft RFP had 3:00 PM as a place holder and I am good with that time if everyone else is also good.

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Thurs. June 30th - Answers to any contractor questions that were not answered at mandatory pre-bid meeting are sent to only attendees of mandatory mtg.
Mon. July 11th - BIDS DUE

Regarding your other questions, let's say the following:

Award Contract - July 18th
Contract Executed - July 27th
Notice to Proceed - Aug. 1st
Construction Start - Aug. 8th
Construction End - Sept. 2nd

Please let me know if the above looks good.

Thx,

Nathan

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To: Nathan Voght
Cc: Howard Fink
Subject: RE: WCRC Permit Application

Nathan, here is a follow up question to these dates. If the bid opening in on Mon 7/11 when would you anticipate awarding the contract and a notice to proceed? Our supplemental instructions to bidders includes the anticipated award date, notice to proceed, construction start, and construction end.

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I've called Gary Streight one more time to confirm our WCRC questions…

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Nathan

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Thursday, June 09, 2016 5:35 PM
To: Nathan Voght
Cc: Howard Fink
Subject: WCRC Permit Application

Nathan,

As discussed in our meeting this afternoon I am providing you with a completed permit application for submittal to the Washtenaw County road Commission along with a cover letter. You only need to print off page 3 of the application PDF. There is actually no signature needed on this application (unlike the WCWRC SESC permit). Just print Page 3 and the cover letter and submit those with the set of plans.

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JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

T 734.522.6711

F 734.522.6427
D 734.466.4517
C 734.812.7154

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This message, including attachments, is confidential and may be privileged. If you are not an intended recipient, please notify the sender then delete and destroy the original message and all copies. You should not copy, forward and/or disclose this message, in whole or in part, without permission of the sender.

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From: Nathan Voght [voghtn@ewashtenaw.org]
Sent: Monday, June 13, 2016 11:45 AM
To: 'Jacob Rushlow'; Angela Perry
Cc: Howard Fink
Subject: RE: WCRC Permit Application
Attachments: RFP - Northfield Sidewalk RFP 6881 OHM 2016 Final Draft 6-13-16.doc

Please see UPDATED final draft of RFP. I inserted UPDATED Wage Determination information.

Disregard the earlier one...

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REQUEST FOR PROPOSAL

#6881

Main Street Sidewalk Improvements

Northfield Township

FOR

Washtenaw County
Office of Community & Economic Development

Issued By:

Washtenaw County Purchasing
Administration Building
220 N. Main Street
Ann Arbor, MI 48104

Angela O. Perry
Purchasing Manager
(734) 222-6768

Proposal Submitted by:

_____

Please type Bidder's Company Name & **include as proposal cover**

WASHTENAW COUNTY
Finance Department

Purchasing Division

220 N. Main, Ann Arbor, MI 48104
Phone (734) 222-6760, Fax (734) 222-6764
www.purchasing.ewashtenaw.org

RFP #6881

Month, Date, Year (bid solicitation date)

Washtenaw County Purchasing Division on behalf of Washtenaw County Office of Community and Economic Development (OCED) (Washtenaw County Department) is issuing a sealed RFP #6881for construction of new ADA compliant concrete sidewalks between existing sidewalks, new ADA compliant crosswalks of intersecting streets in the project corridor, new ADA compliant sidewalk ramps, including one Rectangular Rapid Flashing Beacon-signaled crosswalk. Effective July 1, 2015, the County has a new Local Vendor Preference (LVP) policy. Federal funded programs, whether they are receiving the funds directly or as a State pass through are exempt from the LVP policy as mandated by the Federal Register 2 CFR Chapter I, Chapter II Part 200 section 200.319 Competition 7(b) effective December 26, 2014. The project described in this RFP is federally funded and, therefore, exempt from the LVP policy. This project is being supported by Community Development Block Grant (CDBG) funds.

Sealed Proposals: Vendor will deliver one (1) **unbound original** and three (3) **bound copies <u>each with the pricing page flagged</u>** to the County location specified below. In addition, vendor will also deliver an electronic copy on a USB drive, CD-RW, or DVD in pdf format to the location specified below:

Washtenaw County
Administration Building
Purchasing Division
220 N. Main St. Basement
Ann Arbor, MI 48104

By JULY 11, 2016 at 3:00pm EST

A **Mandatory Pre Bid meeting** will be held at the Northfield Township Office, 8350 Main Street, #A, Whitmore Lake, MI 48189 on Wednesday, June 22nd at 10:00AM

Proposals received after the above cited time will be considered a late bid and are not acceptable unless waived by the Purchasing Manager.

- Your proposal submission envelope(s) must be clearly marked *including FedEx & UPS package labels* **"SEALED RFP#6881"**

- Please direct purchasing and procedural questions regarding this RFP to Angela O. Perry **via e-mail only** to perrya@ewashtenaw.org.

- Please direct technical questions regarding this RFP to Departmen contact **via e-mail only** at **Nathan Voght, Economic Development Specialist, at voghtn@ewashtenaw.org.**

Thank you for your interest.

PROPOSAL INFORMATION

I. PROPOSAL DEFINITIONS

Definitions

"Bidder"	An individual or business submitting a bid to Washtenaw County
"Contractor/Vendor"	One who contracts to perform services in accordance with a contract
"County"	Washtenaw County in Michigan
"Department"	Office of Community & Economic Development

II. TERMS

A. Washtenaw County reserves the right to reject any and all proposals received as a result of this RFP. If a proposal is selected, it will be the most advantageous regarding price, quality of service, the CONTRACTORS qualifications and capabilities to provide the specified service, and other factors that the County may consider. The County does not intend to award a contract fully on the basis of any response made to the proposal; the County reserves the right to consider proposals for modifications at any time before a contract would be awarded and negotiations would be undertaken with that CONTRACTOR whose proposal is deemed to best meet the County's specifications and needs.

B. The County reserves the right to reject any or all bids, to waive or not waive informalities or irregularities in bids or bidding procedures, and to accept or further negotiate cost, terms, or conditions of any bid determined by the County to be in the best interests of the County even though not the lowest bid.

C. Proposals must be signed by an official authorized to bind the CONTRACTOR to its provisions for at least a period of 90 days. Failure of the successful bidder to accept the obligation of the contract may result in the cancellation of any award.

D. In the event it becomes necessary to revise any part of the RFP, addenda will be provided. Deadlines for submission of RFP's may be adjusted to allow for revisions. To be considered, **one (1) unbound original and three (3) copies** and an electronic version in pdf format, submitted on CD-RW, DVD or USB drive must be at the County as indicated on or before the date specified.

E. Proposals should be prepared simply and economically providing a straight-forward, concise description of the CONTRACTOR'S ability to meet the requirements of the RFP. Proposals must be typed. No erasures are permitted. Mistakes may be crossed out and corrected and must be initialed in ink by the person signing the proposal. *CONTRACTOR shall ensure that proposals are submitted using both sides of recycled paper whenever practicable.*

F. The initial award of this contract shall be for a period of 1 year(s), with an option to renew an additional six months(s), pending agreement by both parties.

G. CONFLICT OF INTEREST. Contractor warrants that to the best of contractor's knowledge, there exists no actual or potential conflict between contractor and the County, and its Services under this request, and in the event of change in either contractor's private interests or Services under this request, contractor will inform the County regarding possible conflict of interest which may arise as a result of the change. Contractor also affirms that, to the best of contractor's knowledge, there exists no actual or potential conflict between a County employee and Contractor.

H. The bidder shall be responsible for all costs incurred in the development and submission of this response. Washtenaw County assumes no contractual obligation as a result of the issuance of this RFP, the preparation or submission of a response by a bidder, the evaluation of an accepted response, or the selection of finalists. All proposals, including attachments, supplementary materials, addenda, etc. shall become the property of Washtenaw County and will not be returned to the bidder.

I. Any responses, materials, correspondence, or documents provided to Washtenaw County under this solicitation are subject to the State of Michigan Freedom of Information Act and may be released to third parties in compliance with that Act.

J. Local Vendor Preference – A policy adopted by the Washtenaw County Board of Commissioners (BOC) that shall govern the procurement of goods, services and food from local vendors located in Washtenaw County and the State of Michigan. The intent of the BOC is to encourage and promote economic growth and regional job development. The policy shall be applied to Washtenaw County operated programs as allowed, except those that are federally funded directly or indirectly. All other Procurement Policies and Procedures remain in full effect.

K. Vendor Appeal Process – Unsuccessful bidders may appeal an award of contract, lease or purchase order to the County Administrator. All appeals shall be made in writing to the County Administrator within five (5) business days of the Notice to Award. The County Administrator shall take necessary actions to review the appeals and respond to the individual submitting an appeal within five (5) business days. This response shall be documented in writing in the bid file.

III. VENDOR SPECIFICATIONS

The proposal shall include **all** of the following information. Failure to include all of the required information may result in disqualification of a Bidder.

A. State the bidder's qualifications to provide the services required by Washtenaw County. Include years in business under your present company name, staff profile and experience.

(Attach as Addendum A)

B. List three (3) references from previous corporate or government customers purchasing similar services. Include business name, contact name and phone number.

(Attach as Addendum B)

C. Review contract provisions and insurance requirements. Note any limitations on any of the articles or providing insurance requirements as outlined in the contract provisions contained in Sample Contract.

(Attach as Addendum C)

D. Each Proposal shall be accompanied by a cashier's check, certified check, money order or bid bond, payable to Washtenaw County, Office of Community and Economic Development, in an amount not less than five percent (5%) of the amount of the Proposal, as a bid guarantee. The Bid Guarantee of the Bidders under consideration will be returned after approval of the Contract by the Owner. All others will be returned after the Proposal opening.

(Attach as Addendum D)

E. The successful Bidder will be required to furnish a satisfactory Performance Bond and Labor and Material Bond, each in the amount of One Hundred Percent (100%) of the Contract.

IV. AWARD

Award will be made to the lowest responsive, responsible bidder, with the most relevant experience and best qualifications. However, the award may not be based solely on low bid alone.

V. SCOPE OF WORK

The work to be done under this Contract includes the furnishing of all materials, equipment, and labor necessary to construct the proposed sidewalk and pedestrian crossings as well as all necessary earthwork, cleaning and restoration in accordance with the plans and specifications.

VI. SAMPLE STANDARD PROVISIONS FOR CONTRACTS

If a contract is awarded, the selected contractor will be required to adhere to a set of general contract provisions which will become a part of any formal agreement. These provisions are general principles which apply to all contractors of service to Washtenaw County such as the following:

SERVICE CONTRACT - FEDERAL FUNDED **CR_____**

AGREEMENT is made this ----------_day of ---------- , 2016, by the COUNTY OF WASHTENAW, a municipal corporation, with offices located in the County Administration Building, 220 North Main Street, Ann Arbor, Michigan 48107("County") and ***(NAME OF CONTRACTOR)*** located at ***(CONTRACTOR'S ADDRESS)*** ("Contractor").

Federal Awarding Agency	
Federal / State Contract Number	
Federal Program Title	
CFDA Number	
Federal Funding %	

In consideration of the promises below, the parties mutually agree as follows:

ARTICLE I - SCOPE OF SERVICES

The Contractor will perform the scope of services described in Attachment A (bid specifications) of this project. The work to be done under this Contract includes the furnishing of all materials, equipment, and labor necessary to construct the proposed sidewalk and pedestrian crossings as well as all necessary earthwork, cleaning and restoration in accordance with the plans and specifications.

ARTICLE II - COMPENSATION

Upon completion of the above services and submission of invoices the County will pay the Contractor an amount not to exceed ***(SPELL OUT DOLLAR AMOUNT)*** in accordance with specifications described in RFP # 6881 and services described in Attachment A (bid specifications) of this project.

The contractor will comply with established COUNTY disbursement schedules and procedures. CDBG funds will be disbursed to the contractor upon submission of invoices for work completed and inspected. The contractor will provide the OCED with proof of interim & final inspections, final project budget, original Davis-Bacon and Section 3 paperwork, sworn statements from the contractor and sub-contractors, and waivers of lien with the final request for reimbursement of CDBG eligible costs. All checks, invoices, contractors, vouchers, and other accounting documents pertaining in whole or part to this Agreement shall be clearly identified and readily accessible.

ARTICLE III - REPORTING OF CONTRACTOR

Section 1 - The Contractor is to report to ***(DEPARTMENT HEAD TITLE)*** and will cooperate and confer with him/her as necessary to insure satisfactory work progress.

Section 2 - All reports, estimates, memoranda and documents submitted by the Contractor must be dated and bear the Contractor's name.

Section 3 - All reports made in connection with these services are subject to review and final approval by the County Administrator.

Section 4 - The County may review and inspect the Contractor's activities during the term of this contract.

Section 5 - When applicable, the Contractor will submit a final, written report to the County Administrator.

Section 6 - After reasonable notice to the Contractor, the County may review any of the Contractor's internal records, reports, or insurance policies.

ARTICLE IV - TERM

This contract begins on ***(MONTH, DAY, YEAR)*** and ends on ***(MONTH, DAY, YEAR)***, *with an option to extend an additional _____ year(s).*

ARTICLE V - PERSONNEL

Section 1 - The contractor will provide the required services and will not subcontract or assign the services without the County's written approval.

Section 2 - The Contractor will not hire any County employee for any of the required services without the County's written approval.

Section 3 - The parties agree that all work done under this contract shall be completed in the United States and that none of the work will be partially or fully completed by either an offshore subcontractor or offshore business interest either owned or affiliated with the contractor. For purposes of this contract, the term, "offshore" refers to any area outside the contiguous United States, Alaska or Hawaii.

ARTICLE VI - INDEPENDENT CONTRACTOR

Contractor and the County shall, at all times, be deemed to be independent contractors and nothing herein shall be construed to create or imply that there exists between the parties a partnership, joint venture or other business organization. Contractor shall hold no authority, express or implied, to commit, obligate or make representations on behalf of the County and shall make no representation to others to the contrary.

Nothing herein is intended nor shall be construed for any purpose as creating the relationship of employer and employee or agent and principal between the parties. Except as otherwise specified in this contract, Contractor retains the sole right and obligation to direct, control or supervise the details and means by which the services under this contract are provided.

Contractor shall not be eligible for, or participate in, any insurance, pension, workers' compensation insurance, profit sharing or other plans established for the benefit of the County's employees. Contractor shall be solely responsible for payment of all taxes arising out of the Contractor's activities in connection with this Agreement, including, without limitation, federal and state income taxes, social security taxes, unemployment insurance taxes and any other tax or business license fees as required. The County shall not be responsible for withholding any income or employment taxes whatsoever on behalf of the Contractor.

ARTICLE VII - INDEMNIFICATION AGREEMENT

The contractor will protect, defend and indemnify Washtenaw County, its officers, agents, servants, volunteers and employees from any and all liabilities, claims, liens, fines, demands and costs, including legal fees, of whatsoever kind and nature which may result in injury or death to any persons, including the Contractor's own employees, and for loss or damage to any property, including property owned or in the care, custody or control of Washtenaw County in connection with or in any way incident to or arising out of the occupancy, use, service, operations, performance or non-performance of work in connection with this contract resulting in whole or in part from negligent acts or omissions of contractor, any sub-contractor, or any employee, agent or representative of the contractor or any sub-contractor.

ARTICLE VIII - INSURANCE REQUIREMENTS

The Contractor will maintain at its own expense during the term of this Contract, the following insurance:

1. Workers' Compensation Insurance with Michigan statutory limits and Employers Liability Insurance with a minimum limit of $100,000 each accident for any employee.

2. Commercial General Liability Insurance with a combined single limit of $1,000,000 each occurrence for bodily injury and property damage. The County shall be added as "additional insured" on general liability policy with respect to the services provided under this contract.

3. Automobile Liability Insurance covering all owned, hired and nonowned vehicles with Personal Protection Insurance and Property Protection Insurance to comply with the provisions of the Michigan No Fault Insurance Law, including residual liability insurance with a minimum combined single limit of $1,000,000 each accident for bodily injury and property damage. For transportation services contracts, the County shall be added as additional insured on automobile liability policy with respect to the services provided under this contract.

Insurance companies, named insureds and policy forms may be subject to the approval of the Washtenaw County Administrator, if requested by the County Administrator. Such approval shall not be unreasonably withheld. Insurance policies shall not contain endorsements or policy conditions which reduce coverage provided to Washtenaw County. Contractor shall be responsible to Washtenaw County or insurance companies insuring Washtenaw County for all costs resulting from both financially unsound insurance companies selected by Contractor and their inadequate insurance coverage. Contractor shall furnish the Washtenaw County Administrator with satisfactory certificates of insurance or a certified copy of the policy, if requested by the County Administrator.

No payments will be made to the Contractor until the current certificates of insurance have been received and approved by the Administrator. If the insurance as evidenced by the certificates furnished by the Contractor expires or is canceled during the term of the contract, services and related payments will be suspended. Contractor shall furnish certification of insurance evidencing such coverage and endorsements at least ten (10) working days prior to commencement of services under this contract. Certificates shall be addressed to the Washtenaw County c/o: ***415 W. Michigan Ave., Ypsilanti, MI 48197, CR#_____,*** and shall provide for written notice to the Certificate holder of cancellation of coverage.

ARTICLE IX - COMPLIANCE WITH LAWS AND REGULATIONS

The Contractor will comply with all federal, state and local regulations, including but not limited to all applicable OSHA/MIOSHA requirements and the Americans with Disabilities Act.

ARTICLE X - INTEREST OF CONTRACTOR AND COUNTY

The Contractor promises that it has no interest which would conflict with the performance of services required by this contract. The Contractor also promises that, in the performance of this contract, no officer, agent, employee of the County of Washtenaw, or member of its governing bodies, may participate in any decision relating to this contract which affects his/her personal interest or the interest of any corporation, partnership or association in which he/she is directly or indirectly interested or has any personal or pecuniary interest. However, this paragraph does not apply if there has been compliance with the provisions of Section 3 of Act No. 317 of the Public Acts of 1968 and/or Section 30 of Act No. 156 of Public Acts of 1851, as amended by Act No. 51 of the Public Acts of 1978, whichever is applicable.

ARTICLE XI - CONTINGENT FEES

The Contractor promises that it has not employed or retained any company or person, other than bona fide employees working solely for the Contractor, to solicit or secure this contract, and that it has not paid or agreed to pay any company or person, other than bona fide employees working solely for the Contractor, any fee, commission, percentage, brokerage fee, gifts or any other consideration contingent upon or resulting from the award or making of this contract. For breach of this promise, the County may cancel this contract without liability or, at its discretion, deduct the full amount of the fee, commission, percentage, brokerage fee, gift or contingent fee from the compensation due the Contractor.

ARTICLE XII – DEBARMENT AND SUSPENSION

By signing this Contract, Contractor assures the County that it will comply with Federal Regulation 45 CFR Part 76 and certifies that to the best of its knowledge and belief the Contractor and any subcontractors retained by Contractor:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any federal department or contractor;

2. Have not within a three-year period preceding this Contract been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property;

3. Are not presently indicted or otherwise criminally or civilly charged by a government entity (federal, state or local) with commission of any of the offenses enumerated in section 2, and ;

4. Have not within a three-year period preceding this Contract had one or more public transactions (federal, state or local) terminated for cause or default.

ARTICLE XIII – LOBBYING

By signing this contract, Contractor assures the County that it will comply with Section 1352, Title 31 of the U.S. Code (pertaining to not using federal monies to influence federal contracting and financial transactions). The Contractor assures the County that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the Contractor, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the making of any Federal grant, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal grant or cooperative agreement;

2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal grant or cooperative agreement, the Contractor shall complete and submit Standard Form - LLL, Disclosure of Lobbying Activities," in accordance with its instructions;

3. This language shall be included in the award documents for all subawards at all tiers (including subgrants, contracts under grants and cooperative agreements, and subcontracts) and that all sub-recipients shall certify and disclose accordingly.

ARTICLE XIV - DRUG-FREE WORKPLACE

Grantees Other Than Individuals

A. As required by the Drug-Free Workplace Act of 1988, the Contractor assures the County that it will or will continue to provide a drug-free workplace by:
   a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
   b) Establishing an on-going drug-free awareness program to inform employees about—
      1) The dangers of drug abuse in the workplace;
      2) The grantee's policy of maintaining a drug-free workplace;
      3) Any available drug counseling, rehabilitation, *and* employee assistance programs; and
      4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
   c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);

d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will—
   1) Abide by the terms of the statement; and
   2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;

e) Notifying the County, in writing, within 10 calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to the County;

f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted—
   1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
   2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;

g) Making a good faith effort to continue to maintain a drug- free workplace through implementation of paragraphs (a), (b), (c), (d), (e), and (f).

Grantees Who Are Individuals

As required by the Drug-Free Workplace Act of 1988:

A. As a condition of the grant, the Contractor assures the County that it will not engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in conducting any activity with the grant; and

B. If convicted of a criminal drug offense resulting from a violation occurring during the conduct of any grant activity, the Contractor agrees to report the conviction, in writing, within 10 calendar days of the conviction, to the County.

ARTICLE XV - FEDERAL PROCUREMENT STANDARDS

The Contractor assures the County that it will follow federal procurement standards as described in the Code of Federal Regulations Part 215 Subpart C – Post-Award Requirements, Procurement Standards, Sections 215.40-48 when procuring goods or services with federal funds to insure that procurement decisions are made ethically and with free and open competition among those providing the goods or services.

ARTICLE XVI - EQUAL EMPLOYMENT OPPORTUNITY

The Contractor will not discriminate against any employee or applicant for employment because of race, creed, color, sex, sexual orientation, national origin, physical handicap, age, height, weight, marital status, veteran status, religion and political belief (except as it relates to a bona fide occupational qualification reasonably necessary to the normal operation of the business).

The Contractor will take affirmative action to eliminate discrimination based on sex, race, or a handicap in the hiring of applicant and the treatment of employees. Affirmative action will include, but not be limited to: Employment; upgrading, demotion or transfer; recruitment advertisement; layoff or termination; rates of pay or other forms of compensation; selection for training, including apprenticeship.

The Contractor agrees to post notices containing this policy against discrimination in conspicuous places available to applicants for employment and employees. All solicitations or advertisements for employees, placed by or on the behalf of the Contractor, will state that all qualified applicants will receive consideration for employment without regard to race, creed, color, sex, sexual orientation, national origin, physical handicap, age, height, weight, marital status, veteran status, religion and political belief.

ARTICLE XVII - LIVING WAGE

The parties understand that the County has enacted a Living Wage Ordinance that requires covered vendors who execute a service or professional service contract with the County to pay their employees under that contract, a minimum of either $12.00 per hour with benefits or $14.07 per hour without benefits. Contractor agrees to comply with this Ordinance in paying its employees. Contractor understands and agrees that an adjustment of the living wage amounts, based upon the Health and Human Services poverty guidelines, will be made on or before April 30, 2016 and annually thereafter which amount shall be automatically incorporated into this contract. County agrees to give Contractor thirty (30) days written notice of such change. Contractor agrees to post a notice containing the County's Living Wage requirements at a location at its place of business accessed by its employees.

ARTICLE XVIII - EQUAL ACCESS

The Contractor shall provide the services set forth in Article I without discrimination on the basis of race, color, religion, national origin, sex, sexual orientation, marital status, physical handicap, or age.

ARTICLE XIX - OWNERSHIP OF DOCUMENTS AND PUBLICATION

All documents developed as a result of this contract will be freely available to the public. None may be copyrighted by the Contractor. During the performance of the services, the Contractor will be responsible for any loss of or damage to the documents while they are in its possession and must restore the loss or damage at its expense. Any use of the information and results of this contract by the Contractor must reference the project sponsorship by the County. Any publication of the information or results must be co-authored by the County.

ARTICLE XX - ASSIGNS AND SUCCESSORS

This contract is binding on the County and the Contractor, their successors and assigns. Neither the County nor the Contractor will assign or transfer its interest in this contract without the written consent of the other.

ARTICLE XXI - TERMINATION OF CONTRACT

Section 1 - Termination without cause. Either party may terminate the contract by giving thirty (30) days written notice to the other party.

Section 2 - In the event of any breach or default by the County or the Contractor of the terms and conditions of this Agreement, the party not in default will give written notice to the party in default specifying the acts and/or omissions constituting the alleged default or breach; if

within fifteen (15) working days after issuance of such notice, the party in default has failed to cure such default, then in that event, the party not in default may terminate this Agreement and exercise such other rights as are provided herein and by law for breach of contract; provided, however, that if the alleged default can be cured by the performance of work or repairs or by some act, the performance of which requires a period of time, such default will be determined to have been cured if, within the above-referenced fifteen (15) working days, the party allegedly in default has begun to cure the default and continues until such default is cured within a reasonable time.

ARTICLE XXII - PAYROLL TAXES

The Contractor is responsible for all applicable state and federal social security benefits and unemployment taxes and agrees to indemnify and protect the County against such liability.

ARTICLE XXIII- PRACTICE AND ETHICS

The parties will conform to the code of ethics of their respective national professional associations.

ARTICLE XXIV- CHANGES IN SCOPE OR SCHEDULE OF SERVICES

Changes mutually agreed upon by the County and the Contractor, will be incorporated into this contract by written amendments signed by both parties.

ARTICLE XXV - CHOICE OF LAW AND FORUM

This contract is to be interpreted by the laws of Michigan. The parties agree that the proper forum for litigation arising out of this contract is in Washtenaw County, Michigan.

ARTICLE XXVI-FEDERALLY REQUIRED PROVISIONS

When applicable, the following provisions shall apply to contracts funded in whole, or in part, by federal award monies:

For "federally assisted construction contracts" as defined by 41 CFR Part 60-1.3, Contractor must comply with the equal opportunity clause provided under 41 CFR 60—1.4(b), in accordance with Executive Order 11246, "Equal Employment Opportunity (30 FR 12319, 12935, 3 CFR Part, 1964—1965 Comp., p. 339), as amended by Executive Order 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and implementing regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor."

For all prime construction contracts exceeding $2,000.00 awarded by non-Federal entities, Contractor shall comply with the Davis-Bacon Act (40 U.S.C. 3141—3144, and 3146—3148), as supplemented by Department of Labor regulations (29 CFR Part 5, "Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction"). Contractor must pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition,

Contractor must be paid wages not less than once a week. The parties agree that the County will report all suspected or reported violations of this provision to the Federal awarding agency.

In addition, Contractor must also comply with the Copeland "Anti-Kickback Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Bidding or Public Work Financed in Whole or in Part by Loans or Grants from the United States") which prohibits Contractor or Subrecipient from inducing, by any means, any person employed in the construction, completion or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. County shall report all suspected or reported violations to the Federal awarding agency.

If this contract exceeds $100,000.00 and involves the employment of mechanics or laborers, Contractor shall comply with U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). To that extent, Contractor must compute the wages of each mechanic and laborer on the basis of a standard forty (40) hour work week with hours exceeding this standard to be paid at one and one half the standard hourly rate. In addition, Contractor agrees that no mechanic or laborer shall be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous.

If the Federal award funding this Agreement meets the definition of "funding agreement" under 37 CFR, Sec. 401.2(a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental or research work under that funding agreement, the recipient or subrecipient must comply with 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency.

If this Agreement and/or subgrant exceeds $150,000.00, Contractor shall comply with all applicable standards, orders and/or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). The parties agree that the County shall report all violations of these Acts to the Federal awarding agency and the Regional Office of the Environmental Protection Agency ("EPA").

Contractor agrees to comply with all mandatory standards and policies relating to energy efficiency which are contained in the State of Michigan's energy conservation plan issued in compliance with the Energy Policy and Conservation Act. (42 U.S.C. 6201).

Contractor agrees to comply with the provisions of the Byrd Anti-Lobbying Amendment (31 U.S.C. Section 1352), which prohibits the use of federal funds by the Contractor or subcontractor of a Federal contract, grant, loan or cooperative agreement to pay any person to influence or attempt to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress or an employee of a member of Congress in connection with the federal funds awarded under this Agreement.

The parties agree that County and Contractor shall comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include, for those items where the purchase price exceeds $10,000.00 or the value of the quantity acquired by the preceding fiscal year exceeded $10,000.00, procuring only items designated in guidelines of the EPA at 40 CFR, Part 247, that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program to procuring recovered materials identified in the EPA guidelines.

ARTICLE XXVII - EXTENT OF CONTRACT

This contract represents the entire agreement between the parties and supersedes all prior representations, negotiations or agreements whether written or oral.

ATTESTED TO:

By:----------
Lawrence Kestenbaum (DATE)
County Clerk/Register

WASHTENAW COUNTY

Gregory Dill (DATE)
County Administrator

APPROVED AS TO CONTENT:

By: ----------
Brett Lenart, Interim Director (DATE)
Washtenaw County Office of Community
And Economic Development

CONTRACTOR

(CONTRACTOR'S NAME) (DATE)

APPROVED AS TO FORM:

By: ----------
Curtis N. Hedger (DATE)
Office of Corporation Counsel

Attachment A – Specifications, Scope of Service and Timeline

NARRATIVE DESCRIPTION/ SCOPE OF WORK:

WASHTENAW COUNTY will contract with the **CONTRACTOR** for the furnishing of all materials, equipment, and labor necessary to construct the proposed sidewalk and pedestrian crossings as well as all necessary earthwork, cleaning and restoration in accordance with the plans and specifications attached.

SPECIAL CONDITIONS:

The **CONTRACTOR** shall also coordinate with the Office of Community Development to assure that the following requirements for the public facility improvement project are met:

1. CONTRACTOR(s) must follow the requirements of the Davis-Bacon Act and Wage Determination, and the Section 3 regulations, as provided by the Office of Community Development.
2. CONTRACTOR(s) shall submit a project timeline and attend a preconstruction conference with the Office of Community Development.
3. CONTRACTOR(s) agrees that all craftsmen, mechanics and laborers it employs to work on this project shall, at a minimum, receive the prevailing wages and fringe benefits of the Building Trade Department for corresponding classes of craftsmen, mechanics and laborers for the Washtenaw County area, as determined and published by the Davis-Bacon Division of the United States Department of Labor. Contractor agrees that all subcontracts entered into by the Contractor shall contain a similar provision covering any sub-contractor's employees who perform work on this project.
4. CONTRACTOR(s) agree to maintain performance & payment bonds, as indicated in the 2016-17 RFP documents issued by Office of Community and Economic Development.

PROJECT TIMELINE:

Activity	Deadline
Contract Award	July 18th, 2016
Notice to Proceed	August 1st, 2016
Construction Start Date	August 8th, 2016
Substantial Completion Date	August 26th, 2016
Project Completion	September 2, 2016
Project Completion Date:	**September 2, 2016**

BID #6881 Main Street Sidewalk Improvements – Northfield Township

Bid Form

Item	Description	Estimated Quantity		Unit Price	Amount
1	Mobilization, Max 10%	1	Ea	$	$
2	Traffic Control	1	LS	$	$
3	Station Grading	9.4	Sta	$	$
4	Pavt, Rem	24	Syd	$	$
5	Sidewalk, Rem	9	Syd	$	$
6	Erosion Control, Silt Fence	929	Ft	$	$
7	Culv, CMP, 12 inch	35	Ft	$	$
8	Culv End Sect, CMP, 12 inch	4	Ea	$	$
9	Reconstruct Sanitary Structure	2	Ea	$	$
10	Sand Subbase, CL II	156	Ton	$	$
11	Sidewalk, Conc, 4 inch	4132	Sft	$	$
12	Sidewalk Ramp, Conc, 6 inch	100	Sft	$	$
13	Sidewalk, Conc, 6 inch	525	Sft	$	$
14	Irrigation Line	100	Ft	$	$
15	Remove and Reset Irrigation Head	10	Ea	$	$
16	Post, Steel, 3 lb	16	Ft	$	$
17	Sign, Type IIIB	12	Sft	$	$
18	RRFB Assembly	2	Ea	$	$
19	Pavt Mrkg, Ovly Cold Plastic, 6 inch, White	66	Ft	$	$
20	Pavt Mrkg, Ovly Cold Plastic, 12 inch, White	60	Ft	$	$
21	Pavt Mrkg, Ovly Cold Plastic, Ped	2	Ea	$	$
22	Pavt Mrkg, Ovly Cold Plastic, Xing	2	Ea	$	$
23	Turf Establishment	1	LS	$	$
24	Digital Video Recorded Survey	1	LS	$	$
	Total Bid Amount (ITEM 1-24 incl.):				**$**

Wage Determination

General Decision Number: MI160001 06/10/2016 MI1

Superseded General Decision Number: MI20150001

State: Michigan

Construction Types: Highway (Highway, Airport & Bridge xxxxx and Sewer/Incid. to Hwy.)

Counties: Michigan Statewide.

Note: Under Executive Order (EO) 13658, an hourly minimum wage of $10.15 for calendar year 2016 applies to all contracts subject to the Davis-Bacon Act for which the solicitation was issued on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least $10.15 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2016. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/08/2016
1	01/15/2016
2	02/26/2016
3	06/10/2016

CARP0004-004 06/01/2013

REMAINDER OF STATE

	Rates	Fringes
CARPENTER (Piledriver).....	$ 25.34	17.37

CARP0004-005 06/01/2013

LIVINGSTON (Townships of Brighton, Deerfield, Genoa, Hartland, Oceola & Tyrone), MACOMB, MONROE, OAKLAND, SANILAC, ST. CLAIR AND WAYNE COUNTIES

	Rates	Fringes

CARPENTER (Piledriver).....$ 28.09 24.31

ELEC0017-005 06/01/2015

STATEWIDE

	Rates	Fringes
Line Construction		
Groundman/Driver	$ 27.24	12.70
Journeyman Signal Tech, Communications Tech, Tower Tech & Fiber Optic Splicers	$ 36.97	15.37
Journeyman Specialist	$ 42.52	16.89
Operator A	$ 31.32	13.82
Operator B	$ 29.27	13.26

Classifications

Journeyman Specialist: Refers to a crew of only one person working alone.
Operator A: Shall be proficient in operating all power equipment including: Backhoe, Excavator, Directional Bore and Boom/Digger truck.
Operator B: Shall be proficient in operating any 2 of the above mentioned pieces of equipment listed under Operator A.

ENGI0324-003 06/01/2015

ALCONA, ALPENA, ARENAC, BAY, CHEBOYGAN, CLARE, CLINTON, CRAWFORD, GENESEE, GLADWIN, GRATIOT, HURON, INGHAM, IOSCO, ISABELLA, JACKSON, LAPEER, LENAWEE, LIVINGSTON, MACOMB, MIDLAND, MONROE, MONTMORENCY, OAKLAND, OGEMAW, OSCODA, OTSEGO, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLAIR, SANILAC, SHIAWASSEE, TUSCOLA, WASHTENAW AND WAYNE COUNTIES:

	Rates	Fringes
OPERATOR: Power Equipment (Steel Erection)		
GROUP 1	$ 43.82	22.05
GROUP 2	$ 44.82	22.05
GROUP 3	$ 42.32	22.05
GROUP 4	$ 43.32	22.05
GROUP 5	$ 40.82	22.05
GROUP 6	$ 41.82	22.05
GROUP 7	$ 40.55	22.05

GROUP 8	$ 41.55	22.05
GROUP 9	$ 40.10	22.05
GROUP 10	$ 41.10	22.05
GROUP 11	$ 39.37	22.05
GROUP 12	$ 40.37	22.05
GROUP 13	$ 39.01	22.05
GROUP 14	$ 40.01	22.05
GROUP 15	$ 38.37	22.05
GROUP 16	$ 36.67	22.05
GROUP 17	$ 31.56	22.05
GROUP 18	$ 30.15	22.05

FOOTNOTE:

Paid Holidays: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Engineer when operating combination of boom and jib 400' or longer

GROUP 2: Engineer when operating combination of boom and jib 400' or longer on a crane that requires an oiler

GROUP 3: Engineer when operating combination of boom and jib 300' or longer

GROUP 4: Engineer when operating combination of boom and jib 300' or longer on a crane that requires an oiler

GROUP 5: Engineer when operating combination of boom and jib 220' or longer

GROUP 6: Engineer when operating combination of boom and jib 220' or longer on a crane that requires an oiler

GROUP 7: Engineer when operating combination of boom and jib 140' or longer

GROUP 8: Engineer when operating combination of boom and jib 140' or longer on a crane that requires an oiler

GROUP 9: Tower crane & derrick operator (where operator's work station is 50 ft. or more above first sub-level)

GROUP 10: Tower crane & derrick operator (where operator's work station is 50 ft. or more above first sub-level) on a crane that requires an oiler

GROUP 11: Engineer when operating combination of boom and jib

120' or longer

GROUP 12: Engineer when operating combination of boom and jib 120' or longer on a crane that requires an oiler

GROUP 13: Crane operator; job mechanic and 3 drum hoist and excavator

GROUP 14: Crane operator on a crane that requires an oiler

GROUP 15: Hoisting operator; 2 drum hoist and rubber tired backhoe

GROUP 16: Forklift and 1 drum hoist

GROUP 17: Compressor or welder operator

GROUP 18: Oiler

ENGI0324-004 06/01/2014

AREA 1: ALLEGAN, BARRY, BERRIEN, BRANCH, CALHOUN, CASS, EATON, HILLSDALE, IONIA, KALAMAZOO, KENT, LAKE, MANISTEE, MASON, MECOSTA, MONTCALM, MUSKEGON, NEWAYGO, OCEANA, OSCEOLA, OTTAWA, ST. JOSEPH, VAN BUREN

AREA 2: ANTRIM, BENZIE, CHARLEVOIX, EMMET, GRAND TRAVERSE, KALKASKA, LEELANAU, MISSAUKEE AND WEXFORD COUNTIES:

	Rates	Fringes
OPERATOR: Power Equipment (Steel Erection)		
AREA 1		
GROUP 1	$ 29.44	21.70
GROUP 2	$ 29.19	21.70
GROUP 3	$ 28.69	21.70
GROUP 4	$ 23.59	21.70
GROUP 5	$ 21.94	21.70
GROUP 6	$ 19.34	21.70
AREA 2		
GROUP 1	$ 29.44	21.70
GROUP 2	$ 29.19	21.70
GROUP 3	$ 28.19	21.70
GROUP 4	$ 23.29	21.70
GROUP 5	$ 21.64	21.70
GROUP 6	$ 18.84	21.70

FOOTNOTES:

Crane operator with main boom and jib 300' or longer: $1.50 additional to the group 1 rate. Crane operator with main boom and jib 400' or longer: $3.00 additional to the group 1 rate.
PAID HOLIDAYS: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS:

GROUP 1: Crane Operator with main boom & jib 400', 300', or 220' or longer.

GROUP 2: Crane Operator with main boom & jib 140' or longer, Tower Crane; Gantry Crane; Whirley Derrick.

GROUP 3: Regular Equipment Operator, Crane, Dozer, Loader, Hoist, Straddle Wagon, Mechanic, Grader and Hydro Excavator.

GROUP 4: Air Tugger (single drum), Material Hoist Pump 6" or over, Elevators, Brokk Concrete Breaker.

GROUP 5: Air Compressor, Welder, Generators, Conveyors

GROUP 6: Oiler and fire tender

ENGI0324-005 09/01/2015

AREA 1: GENESEE, LAPEER, LIVINGSTON, MACOMB, MONROE, OAKLAND, ST. CLAIR, WASHTENAW AND WAYNE COUNTIES

AREA 2: ALCONA, ALLEGAN, ALGER, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KWEENAW, LAKE, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, SANILAC, SCHOOLCRAFT, SHIAWASSEE, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

	Rates	Fringes
OPERATOR: Power Equipment (Underground construction (including sewer))		

AREA 1:		
GROUP 1	$ 31.43	21.85
GROUP 2	$ 26.45	21.85
GROUP 3	$ 25.72	21.85
GROUP 4	$ 25.15	21.85
AREA 2:		
GROUP 1	$ 29.47	21.85
GROUP 2	$ 24.58	21.85
GROUP 3	$ 24.08	21.85
GROUP 4	$ 23.80	21.85

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Backfiller tamper; Backhoe; Batch plant operator (concrete); Clamshell; Concrete paver (2 drums or larger); Conveyor loader (Euclid type); Crane (crawler, truck type or pile driving); Dozer; Dragline; Elevating grader; Endloader; Gradall (and similar type machine); Grader; Mechanic; Power shovel; Roller (asphalt); Scraper (self-propelled or tractor drawn); Side boom tractor (type D-4 or equivalent and larger); Slip form paver; Slope paver; Trencher (over 8 ft. digging capacity); Well drilling rig; Concrete pump with boom operator; Hydro Excavator

GROUP 2: Boom truck (power swing type boom); Crusher; Hoist; Pump (1 or more - 6-in. discharge or larger - gas or diesel- powered or powered by generator of 300 amperes or more - inclusive of generator); Side boom tractor (smaller than type D-4 or equivalent); Tractor (pneu-tired, other than backhoe or front end loader); Trencher (8-ft. digging capacity and smaller);Vac Truck

GROUP 3: Air compressors (600 cfm or larger); Air compressors (2 or more-less than 600 cfm); Boom truck (non-swinging, non- powered type boom); Concrete breaker (self-propelled or truck mounted - includes compressor); Concrete paver (1 drum-l/2 yd. or larger); Elevator (other than passenger); Maintenance person; Pump (2 or more-4-in. up to 6-in. discharge-gas or diesel powered - excluding submersible pumps); Pumpcrete machine (and similar equipment); Wagon drill (multiple); Welding machine or generator (2 or more-300 amp. or larger - gas or diesel powered)

GROUP 4: Boiler; Concrete saw (40 hp or over); Curing machine (self-propelled); Farm tractor (with attachment); Finishing machine (concrete); Fire person; Hydraulic pipe pushing machine; Mulching equipment; Oiler; Pumps (2 or more up to 4-in. discharge, if used 3 hours or more a day, gas or diesel powered - excluding submersible pumps); Roller (other than asphalt); Stump remover; Trencher (service);

Vibrating compaction equipment, self-propelled (6 ft. wide or over); End dump operator; Sweeper (Wayne type); Water wagon and Extend-a boom forklift

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ENGI0324-006 06/01/2015

AREA 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES
AREA 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

	Rates	Fringes
Power equipment operators: (AIRPORT, BRIDGE & HIGHWAY CONSTRUCTION)		
AREA 1		
GROUP 1	$ 31.16	22.35
GROUP 2	$ 24.43	22.35
GROUP 3	$ 25.73	22.35
GROUP 4	$ 23.87	22.35
GROUP 5	$ 23.70	22.35
AREA 2		
GROUP 1	$ 31.16	22.35
GROUP 2	$ 24.28	22.35
GROUP 3	$ 25.58	22.35
GROUP 4	$ 23.72	22.35
GROUP 5	$ 23.40	22.35

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Asphalt plant operator; Crane operator (does not include work on bridge construction projects when the crane operator is erecting structural components); Dragline operator; Shovel operator; Locomotive operator; Paver operator (5 bags or more); Elevating grader operator; Pile driving operator; Roller operator (asphalt); Blade grader operator; Trenching machine operator (ladder or wheel type); Auto-grader; Slip form paver; Self-propelled or

tractor-drawn scraper; Conveyor loader operator (Euclid type); Endloader operator (1 yd. capacity and over); Bulldozer; Hoisting engineer; Tractor operator; Finishing machine operator (asphalt); Mechanic; Pump operator (6-in. discharge or over, gas, diesel powered or generator of 300 amp. or larger); Shouldering or gravel distributing machine operator (self- propelled); Backhoe (with over 3/8 yd. bucket); Side boom tractor (type D-4 or equivalent or larger); Tube finisher (slip form paving); Gradall (and similar type machine); Asphalt paver (self- propelled); Asphalt planer (self-propelled); Batch plant (concrete-central mix); Slurry machine (asphalt); Concrete pump (3 in. and over); Roto-mill; Swinging boom truck (over 12 ton capacity); Hydro demolisher (water blaster); Farm-type tractor with attached pan

GROUP 2: Screening plant operator; Washing plant operator; Crusher operator; Backhoe (with 3/8 yd. bucket or less); Side boom tractor (smaller than D-4 type or equivalent); Sweeper (Wayne type and similar equipment); Vacuum truck operator; Batch plant (concrete dry batch)

GROUP 3: Grease Truck

GROUP 4: Air compressor operator (600 cu. ft. per min or more); Air compressor operator (two or more, less than 600 cfm); Wagon drill operator; Concrete breaker; Tractor operator (farm type with attachment)

GROUP 5: Boiler fire tender; Oiler; Fire tender; Trencher (service); Flexplane operator; Cleftplane operator; Grader operator (self-propelled fine-grade or form (concrete)); Finishing machine operator (concrete); Boom or winch hoist truck operator; Endloader operator (under 1 yd. capacity); Roller operator (other than asphalt); Curing equipment operator (self-propelled); Concrete saw operator (40 h.p. or over); Power bin operator; Plant drier operator (asphalt); Vibratory compaction equipment operator (6 ft. wide or over); Guard post driver operator (power driven); All mulching equipment; Stump remover; Concrete pump (under 3-in.); Mesh installer (self- propelled); Tractor operator (farm type); End dump; Skid steer

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ENGI0324-007 05/01/2015

ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES:

BID #6881 Main Street Sidewalk Improvements – Northfield Township

	Rates	Fringes
OPERATOR: Power Equipment (Steel Erection)		
Compressor, welder and forklift	$ 25.21	22.05
Crane operator, main boom & jib 120' or longer	$ 29.96	22.05
Crane operator, main boom & jib 140' or longer	$ 29.21	22.05
Crane operator, main boom & jib 220' or longer	$ 29.46	22.05
Mechanic with truck and tools	$ 29.96	22.05
Oiler and fireman	$ 23.91	22.05
Regular operator	$ 28.46	22.05

ENGI0324-008 10/01/2015

ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MACOMB, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MONROE, MUSKEGON, NEWAYGO, OAKLAND, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN, WASHTENAW, WAYNE AND WEXFORD COUNTIES

	Rates	Fringes
OPERATOR: Power Equipment (Sewer Relining)		
GROUP 1	$ 30.70	12.93
GROUP 2	$ 29.17	12.93

SEWER RELINING CLASSIFICATIONS

GROUP 1: Operation of audio-visual closed circuit TV system, including remote in-ground cutter and other equipment used in connection with the CCTV system

GROUP 2: Operation of hot water heaters and circulation systems, water jetters and vacuum and mechanical debris removal systems

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ENGI0325-012 05/01/2015

AREA 1: MACOMB, MONROE, OAKLAND, ST. CLAIR, WASHTENAW AND WAYNE COUNTIES

AREA 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

	Rates	Fringes
Power equipment operators - gas distribution and duct installation work:		
AREA 1		
GROUP 1	$ 28.73	22.30
GROUP 2	$ 28.60	22.30
GROUP 3	$ 27.48	22.30
GROUP 4	$ 26.90	22.30
AREA 2		
GROUP 1	$ 27.82	22.30
GROUP 2-A	$ 27.72	22.30
GROUP 2-B	$ 27.50	22.30
GROUP 3	$ 26.72	22.30
GROUP 4	$ 26.22	22.30

SCOPE OF WORK: The construction, installation, treating and reconditioning of pipelines transporting gas vapors within cities, towns, subdivisions, suburban areas, or within private property boundaries, up to and including private meter settings of private industrial, governmental or other premises, more commonly referred to as "distribution work," starting from the first metering station, connection, similar or related facility, of the main or cross country pipeline and including duct installation.

AREA 1:

GROUP 1: Backhoe, crane, grader, mechanic, dozer (D-6

equivalent or larger), side boom (D-4 equivalent or larger), trencher(except service), endloader (2 yd. capacity or greater).
GROUP 2: Dozer (less than D-6 equivalent), endloader (under 2 yd. capacity), side boom (under D-4 capacity), backfiller, pumps (1 or 2 of 6-inch discharge or greater), boom truck (with powered boom), tractor (wheel type other than backhoe or front endloader).

GROUP 3: Tamper (self-propelled), boom truck (with non-powered boom), concrete saw (20 hp or larger), pumps (2 to 4 under 6-inch discharge), compressor (2 or more or when one is used continuously into the second day) and trencher(service).

GROUP 4: Oiler, hydraulic pipe pushing machine, grease person and hydrostatic testing operator.

AREA 2:

GROUP 1: Mechanic, crane (over 1/2 yd. capacity), backhoe (over 1/2 yd. capacity), grader (Caterpillar 12 equivalent or larger)

GROUP 2-A: Trencher(except service), backhoe (1/2 yd. capacity or less)

GROUP 2-B: Crane (1/2 yd. capacity or less), compressor (2 or more), dozer (D-4 equivalent or larger), endloader (1 yd. capacity or larger), pump (1 or 2 six-inch or larger), side boom (D-4 equivalent or larger)

GROUP 3: Backfiller, boom truck (powered), concrete saw (20 hp or larger), dozer (less than D-4 equivalent), endloader (under 1 yd. capacity), farm tractor (with attachments), pump (2 - 4 under six-inch capacity), side boom tractor(less than D-4 equivalent), tamper (self-propelled), trencher service and grader maintenance

GROUP 4: Oiler, grease person and hydrostatic testing operator

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IRON0008-007 05/01/2015

ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES:

	Rates	Fringes

Ironworker - pre-engineered metal building erector	$ 23.70	6.95
IRONWORKER General contracts $10,000,000 or greater	$ 26.52	24.35
General contracts less than $10,000,000	$ 23.11	24.35

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

IRON0025-002 06/01/2015

ALCONA, ALPENA, ARENAC, BAY, CHEBOYGAN, CLARE, CLINTON, CRAWFORD, GENESEE, GLADWIN, GRATIOT, HURON, INGHAM, IOSCO, ISABELLA, JACKSON, LAPEER, LIVINGSTON, MACOMB, MIDLAND, MONTMORENCY, OAKLAND, OGEMAW, OSCODA, OTSEGO, PRESQUE ISLE, ROSCOMMON, SAGINAW, SANILAC, SHIAWASSEE, ST. CLAIR, TUSCOLA, WASHTENAW AND WAYNE COUNTIES:

	Rates	Fringes
Ironworker - pre-engineered metal building erector Alcona, Alpena, Arenac, Cheboygan, Clare, Clinton, Crawford, Gladwin, Gratiot, Huron, Ingham, Iosco, Isabella, Jackson, Lapeer, Livingston (west of Burkhardt Road), Montmorency, Ogemaw, Oscoda, Otsego, Presque Isle, Roscommon, Sanilac, Shiawassee, Tuscola & Washtenaw (west of U.S. 23)	$ 22.17	20.13
Bay, Genesee, Lapeer, Livingston (east of Burkhardt Road), Macomb, Midland, Oakland, Saginaw, St. Clair, The University of Michigan, Washtenaw (east of U.S. 23) & Wayne	$ 23.39	21.13
IRONWORKER Ornamental and Structural	$ 33.78	27.84
Reinforcing	$ 28.30	24.60

IRON0055-005 07/01/2013

LENAWEE AND MONROE COUNTIES:

	Rates	Fringes
IRONWORKER		
Pre-engineered metal buildings	$ 23.59	19.35
All other work	$ 28.32	19.35

IRON0292-003 06/01/2015

BERRIEN AND CASS COUNTIES:

	Rates	Fringes
IRONWORKER (Including pre-engineered metal building erector)	$ 28.31	20.00

IRON0340-001 06/01/2015

ALLEGAN, ANTRIM, BARRY, BENZIE, BRANCH, CALHOUN, CHARLEVOIX, EATON, EMMET, GRAND TRAVERSE, HILLSDALE, IONIA, KALAMAZOO, KALKASKA, KENT, LAKE, LEELANAU, MANISTEE, MASON, MECOSTA, MISSAUKEE, MONTCALM, MUSKEGON, NEWAYGO, OCEANA, OSCEOLA, OTTAWA, ST. JOSEPH, VAN BUREN AND WEXFORD COUNTIES:

	Rates	Fringes
IRONWORKER (Including pre-engineered metal building erector)	$ 21.68	24.37

LABO0005-006 10/01/2014

	Rates	Fringes
Laborers - hazardous waste abatement: (ALCONA, ALPENA, ANTRIM, BENZIE, CHARLEVOIX, CHEBOYGAN, CRAWFORD, EMMET, GRAND TRAVERSE, IOSCO, KALKASKA, LEELANAU, MISSAUKEE, MONTMORENCY, OSCODA, OTSEGO, PRESQUE ISLE AND WEXFORD COUNTIES - Zone 10)		
Levels A, B or C	$ 17.45	12.75
Work performed in conjunction with site		

preparation not requiring
the use of personal
protective equipment;
Also, Level D.....$ 16.45 12.75
Laborers - hazardous waste
abatement: (ALGER, BARAGA,
CHIPPEWA, DELTA, DICKINSON,
GOGEBIC, HOUGHTON, IRON,
KEWEENAW, LUCE, MACKINAC,
MARQUETTE, MENOMINEE,
ONTONAGON AND SCHOOLCRAFT
COUNTIES - Zone 11)
Levels A, B or C.....$ 20.91 12.78
Work performed in
conjunction with site
preparation not requiring
the use of personal
protective equipment;
Also, Level D.....$ 19.91 12.78
Laborers - hazardous waste
abatement: (ALLEGAN, BARRY,
BERRIEN, BRANCH, CALHOUN,
CASS, IONIA COUNTY (except
the city of Portland);
KALAMAZOO, KENT, LAKE,
MANISTEE, MASON, MECOSTA,
MONTCALM, MUSKEGON, NEWAYGO,
OCEANA, OSCEOLA, OTTAWA, ST.
JOSEPH AND VAN BUREN COUNTIES
- Zone 9)
Levels A, B or C.....$ 19.99 12.75
Work performed in
conjunction with site
preparation not requiring
the use of personal
protective equipment;
Also, Level D.....$ 18.99 12.75
Laborers - hazardous waste
abatement: (ARENAC, BAY,
CLARE, GLADWIN, GRATIOT,
HURON, ISABELLA, MIDLAND,
OGEMAW, ROSCOMMON, SAGINAW
AND TUSCOLA COUNTIES - Zone 8)
Levels A, B or C.....$ 20.02 12.75
Work performed in
conjunction with site
preparation not requiring
the use of personal
protective equipment;
Also, Level D.....$ 19.02 12.75
Laborers - hazardous waste

abatement: (CLINTON, EATON AND INGHAM COUNTIES; IONIA COUNTY (City of Portland); LIVINGSTON COUNTY (west of Oak Grove Rd., including the City of Howell) - Zone 6)

Levels A, B or C.....$ 23.29 12.75

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;

Also, Level D.....$ 22.29 12.75

Laborers - hazardous waste abatement: (GENESEE, LAPEER AND SHIAWASSEE COUNTIES - Zone 7)

Levels A, B or C.....$ 23.40 12.79

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;

Also, Level D.....$ 22.40 12.79

Laborers - hazardous waste abatement: (HILLSDALE, JACKSON AND LENAWEE COUNTIES - Zone 4)

Levels A, B or C.....$ 30.00 14.09

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;

Also, Level D.....$ 29.00 14.09

Laborers - hazardous waste abatement: (LIVINGSTON COUNTY (east of Oak Grove Rd. and south of M-59, excluding the city of Howell); AND WASHTENAW COUNTY - Zone 3)

Levels A, B or C.....$ 29.32 13.85

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;

Also, Level D.....$ 28.32 13.85

Laborers - hazardous waste abatement: (MACOMB AND WAYNE COUNTIES - Zone 1)

Levels A, B or C.....$ 27.94 16.55
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 26.94 16.55
Laborers - hazardous waste abatement: (MONROE COUNTY - Zone 4)
Levels A, B or C.....$ 30.00 14.09
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 29.00 14.09
Laborers - hazardous waste abatement: (OAKLAND COUNTY and the Northeast portion of LIVINGSTON COUNTY bordered by Oak Grove Road on the West and M-59 on the South - Zone 2)
Level A, B, C.....$ 27.94 16.55
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 26.94 16.55
Laborers - hazardous waste abatement: (SANILAC AND ST. CLAIR COUNTIES - Zone 5)
Levels A, B or C.....$ 24.97 15.19
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 23.97 15.19

LABO0259-001 09/01/2015

AREA 1: MACOMB, OAKLAND AND WAYNE COUNTIES
AREA 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT,

BID #6881 Main Street Sidewalk Improvements – Northfield Township

KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONROE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN, WASHTENAW AND WEXFORD COUNTIES

	Rates	Fringes
Laborers - tunnel, shaft and caisson:		
AREA 1		
GROUP 1	$ 21.57	16.68
GROUP 2	$ 21.68	16.68
GROUP 3	$ 21.74	16.68
GROUP 4	$ 21.92	16.68
GROUP 5	$ 22.17	16.68
GROUP 6	$ 22.50	16.68
GROUP 7	$ 15.78	16.68
AREA 2		
GROUP 1	$ 23.10	12.75
GROUP 2	$ 23.19	12.75
GROUP 3	$ 23.29	12.75
GROUP 4	$ 23.45	12.75
GROUP 5	$ 23.71	12.75
GROUP 6	$ 24.02	12.75
GROUP 7	$ 16.29	12.75

SCOPE OF WORK: Tunnel, shaft and caisson work of every type and description and all operations incidental thereto, including, but not limited to, shafts and tunnels for sewers, water, subways, transportation, diversion, sewerage, caverns, shelters, aquafers, reservoirs, missile silos and steel sheeting for underground construction.

TUNNEL LABORER CLASSIFICATIONS

GROUP 1: Tunnel, shaft and caisson laborer, dump, shanty, hog house tender, testing (on gas) and watchman

GROUP 2: Manhole, headwall, catch basin builder, bricklayer tender, mortar machine and material mixer

GROUP 3: Air tool operator (jackhammer, bush hammer and grinder), first bottom, second bottom, cage tender, car pusher, carrier, concrete, concrete form, concrete repair, cement invert laborer, cement finisher, concrete shoveler, conveyor, floor, gasoline and electric tool operator, gunite, grout operator, welder, heading dinky person,

inside lock tender, pea gravel operator, pump, outside lock tender, scaffold, top signal person, switch person, track, tugger, utility person, vibrator, winch operator, pipe jacking, wagon drill and air track operator and concrete saw operator (under 40 h.p.)

GROUP 4: Tunnel, shaft and caisson mucker, bracer, liner plate, long haul dinky driver and well point

GROUP 5: Tunnel, shaft and caisson miner, drill runner, key board operator, power knife operator, reinforced steel or mesh (e.g. wire mesh, steel mats, dowel bars, etc.)

GROUP 6: Dynamite and powder

GROUP 7: Restoration laborer, seeding, sodding, planting, cutting, mulching and top soil grading; and the restoration of property such as replacing mailboxes, wood chips, planter boxes, flagstones, etc.

LABO0334-001 09/01/2015

	Rates	Fringes
Laborers - open cut:		
ZONE 1 - MACOMB, OAKLAND AND WAYNE COUNTIES:		
GROUP 1	$ 21.42	16.68
GROUP 2	$ 21.53	16.68
GROUP 3	$ 21.58	16.68
GROUP 4	$ 21.66	16.68
GROUP 5	$ 21.72	16.68
GROUP 6	$ 19.17	16.68
GROUP 7	$ 15.79	16.68
ZONE 2 - LIVINGSTON COUNTY (east of M-151 (Oak Grove Rd.)); MONROE AND WASHTENAW COUNTIES:		
GROUP 1	$ 22.75	12.75
GROUP 2	$ 22.86	12.75
GROUP 3	$ 22.98	12.75
GROUP 4	$ 23.05	12.75
GROUP 5	$ 23.20	12.75
GROUP 6	$ 20.50	12.75
GROUP 7	$ 17.14	12.75
ZONE 3 - CLINTON, EATON, GENESEE, HILLSDALE AND INGHAM COUNTIES; IONIA COUNTY (City of Portland); JACKSON, LAPEER AND		

LENAWEE COUNTIES;
LIVINGSTON COUNTY (west of
M-151 Oak Grove Rd.);
SANILAC, ST. CLAIR AND
SHIAWASSEE COUNTIES:

GROUP 1	$ 20.94	12.75
GROUP 2	$ 21.08	12.75
GROUP 3	$ 21.20	12.75
GROUP 4	$ 21.25	12.75
GROUP 5	$ 21.39	12.75
GROUP 6	$ 18.69	12.75
GROUP 7	$ 15.84	12.75

ZONE 4 - ALCONA, ALLEGAN,
ALPENA, ANTRIM, ARENAC,
BARRY, BAY, BENZIE,
BERRIEN, BRANCH,
CALHOUN, CASS, CHARLEVOIX,
CHEBOYGAN, CLARE,
CRAWFORD, EMMET,
GLADWIN, GRAND TRAVERSE,
GRATIOT AND HURON
COUNTIES; IONIA COUNTY
(EXCEPT THE CITY OF
PORTLAND); IOSCO,
ISABELLA, KALAMAZOO,
KALKASKA, KENT,
LAKE,LEELANAU, MANISTEE,
MASON, MECOSTA, MIDLAND,
MISSAUKEE, MONTCALM,
MONTMORENCY, MUSKEGON,
NEWAYGO, OCEANA, OGEMAW,
OSCEOLA, OSCODA, OTSEGO,
OTTAWA, PRESQUE ISLE,
ROSCOMMON, SAGINAW, ST.
JOSEPH, TUSCOLA, VAN BUREN
AND WEXFORD COUNTIES:

GROUP 1	$ 19.95	12.75
GROUP 2	$ 20.08	12.75
GROUP 3	$ 20.19	12.75
GROUP 4	$ 20.26	12.75
GROUP 5	$ 20.38	12.75
GROUP 6	$ 17.60	12.75
GROUP 7	$ 15.94	12.75

ZONE 5 - ALGER, BARAGA,
CHIPPEWA, DELTA,
DICKINSON, GOGEBIC,
HOUGHTON, IRON,
KEWEENAW, LUCE, MACKINAC,
MARQUETTE, MENOMINEE,
ONTONAGON AND SCHOOLCRAFT
COUNTIES:

GROUP 1	$ 20.26	12.75
GROUP 2	$ 20.40	12.75
GROUP 3	$ 20.53	12.75
GROUP 4	$ 20.58	12.75
GROUP 5	$ 20.63	12.75
GROUP 6	$ 18.01	12.75
GROUP 7	$ 16.12	12.75

SCOPE OF WORK:

Open cut construction work shall be construed to mean work which requires the excavation of earth including industrial, commercial and residential building site excavation and preparation, land balancing, demolition and removal of concrete and underground appurtenances, grading, paving, sewers, utilities and improvements; retention, oxidation, flocculation and irrigation facilities, and also including but not limited to underground piping, conduits, steel sheeting for underground construction, and all work incidental thereto, and general excavation. For all areas except the Upper Peninsula, open cut construction work shall also be construed to mean waterfront work, piers, docks, seawalls, breakwalls, marinas and all incidental work. Open cut construction work shall not include any structural modifications, alterations, additions and repairs to buildings, or highway work, including roads, streets, bridge construction and parking lots or steel erection work and excavation for the building itself and back filling inside of and within 5 ft. of the building and foundations, footings and piers for the building. Open cut construction work shall not include any work covered under Tunnel, Shaft and Caisson work.

OPEN CUT LABORER CLASSIFICATIONS

GROUP 1: Construction laborer

GROUP 2: Mortar and material mixer, concrete form person, signal person, well point person, manhole, headwall and catch basin builder, headwall, seawall, breakwall and dock builder

GROUP 3: Air, gasoline and electric tool operator, vibrator operator, driller, pump person, tar kettle operator, bracer, rodder, reinforced steel or mesh person (e.g., wire mesh, steel mats, dowel bars, etc.), welder, pipe jacking and boring person, wagon drill and air track operator and concrete saw operator (under 40 h.p.), windlass and tugger person and directional boring person

GROUP 4: Trench or excavating grade person

GROUP 5: Pipe layer (including crock, metal pipe, multi-plate or other conduits)

GROUP 6: Grouting man, audio-visual television operations and all other operations in connection with closed circuit television inspection, pipe cleaning and pipe relining work and the installation and repair of water service pipe and appurtenances

GROUP 7: Restoration laborer, seeding, sodding, planting, cutting, mulching and top soil grading; and the restoration of property such as replacing mailboxes, wood chips, planter boxes, flagstones, etc.

LABO0465-001 06/01/2015

LABORER: Highway, Bridge and Airport Construction

AREA 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES

AREA 2: ALLEGAN, BARRY, BAY, BERRIEN, BRANCH, CALHOUN, CASS, CLINTON, EATON, GRATIOT, HILLSDALE, HURON, INGHAM, JACKSON, KALAMAZOO, LAPEER, LENAWEE, LIVINGSTON, MIDLAND, MUSKEGON, SAGINAW, SANILAC, SHIAWASSEE, ST. CLAIR, ST. JOSEPH, TUSCOLA AND VAN BUREN COUNTIES

AREA 3: ALCONA, ALPENA, ANTRIM, ARENAC, BENZIE, CHARLEVOIX, CHEBOYGAN, CLARE, CRAWFORD, EMMET, GLADWIN, GRAND TRAVERSE, IONIA, IOSCO, ISABELLA, KALKASKA, KENT, LAKE, LEELANAU, MANISTEE, MASON, MECOSTA, MISSAUKEE, MONTCALM, MONTMORENCY, NEWAYGO, OCEANA, OGEMAW, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON AND WEXFORD COUNTIES

AREA 4: ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC, MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES

	Rates	Fringes
LABORER (AREA 1)		
GROUP 1	$ 25.06	13.00
GROUP 2	$ 25.19	13.00
GROUP 3	$ 25.37	13.00
GROUP 4	$ 25.45	13.00
GROUP 5	$ 25.66	13.00
GROUP 6	$ 25.96	13.00
LABORER (AREA 2)		

GROUP 1	$ 23.06	12.95
GROUP 2	$ 23.26	12.95
GROUP 3	$ 23.50	12.95
GROUP 4	$ 23.85	12.95
GROUP 5	$ 23.72	12.95
GROUP 6	$ 24.06	12.95
LABORER (AREA 3)		
GROUP 1	$ 22.31	12.95
GROUP 2	$ 22.52	12.95
GROUP 3	$ 22.81	12.95
GROUP 4	$ 23.25	12.95
GROUP 5	$ 22.87	12.95
GROUP 6	$ 23.30	12.95
LABORER (AREA 4)		
GROUP 1	$ 22.31	12.95
GROUP 2	$ 22.52	12.95
GROUP 3	$ 22.81	12.95
GROUP 4	$ 23.25	12.95
GROUP 5	$ 22.87	12.95
GROUP 6	$ 23.30	12.95

LABORER CLASSIFICATIONS

GROUP 1: Asphalt shoveler or loader; asphalt plant misc.; burlap person; yard person; dumper (wagon, truck, etc.); joint filling laborer; miscellaneous laborer; unskilled laborer; sprinkler laborer; form setting laborer; form stripper; pavement reinforcing; handling and placing (e.g., wire mesh, steel mats, dowel bars); mason's tender or bricklayer's tender on manholes; manhole builder; headwalls, etc.; waterproofing,(other than buildings) seal coating and slurry mix, shoring, underpinning; pressure grouting; bridge pin and hanger removal; material recycling laborer; horizontal paver laborer (brick, concrete, clay, stone and asphalt); ground stabilization and modification laborer; grouting; waterblasting; top person; railroad track and trestle laborer; carpenters' tender; guard rail builders' tender; earth retention barrier and wall and M.S.E. wall installer's tender; highway and median installer's tender(including sound, retaining, and crash barriers); fence erector's tender; asphalt raker tender; sign installer; remote control operated equipment.

GROUP 2: Mixer operator (less than 5 sacks); air or electric tool operator (jackhammer, etc.); spreader; boxperson (asphalt, stone, gravel); concrete paddler; power chain saw operator; paving batch truck dumper; tunnel mucker (highway work only); concrete saw (under 40 h.p.) and dry pack machine; roto-mill grounds person.

GROUP 3: Tunnel miner (highway work only); finishers tenders;

guard rail builders; highway and median barrier installer; earth retention barrier and wall and M.S.E. wall installer's (including sound, retaining and crash barriers); fence erector; bottom person; powder person; wagon drill and air track operator; diamond and core drills; grade checker; certified welders; curb and side rail setter's tender.

GROUP 4: Asphalt raker

GROUP 5: Pipe layers, oxy-gun

GROUP 6: Line-form setter for curb or pavement; asphalt screed checker/screw man on asphalt paving machines.

LABO1076-005 04/01/2015

MICHIGAN STATEWIDE

	Rates	Fringes
LABORER (DISTRIBUTION WORK)		
Zone 1	$ 19.77	12.75
Zone 2	$ 18.15	12.75
Zone 3	$ 16.38	12.75
Zone 4	$ 15.75	12.75
Zone 5	$ 15.75	12.75

DISTRIBUTION WORK - The construction, installation, treating and reconditioning of distribution pipelines transporting coal, oil, gas or other similar materials, vapors or liquids, including pipelines within private property boundaries, up to and including the meter settings on residential, commercial, industrial, institutional, private and public structures. All work covering pumping stations and tank farms not covered by the Building Trades Agreement. Other distribution lines with the exception of sewer, water and cable television are included.

Underground Duct Layer Pay: $.40 per hour above the base pay rate.

Zone 1 - Macomb, Oakland and Wayne
Zone 2 - Monroe and Washtenaw
Zone 3 - Bay, Genesee, Lapeer, Midland, Saginaw, Sanilac, Shiawassee and St. Clair
Zone 4 - Alger, Baraga, Chippewa, Delta, Dickinson, Gogebic, Houghton, Iron, Keweenaw, Luce, Mackinac, Marquette, Menominee, Ontonagon and Schoolcraft
Zone 5 - Remaining Counties in Michigan

PAIN0022-002 07/01/2008

HILLSDALE, JACKSON AND LENAWEE COUNTIES; LIVINGSTON COUNTY (east of the eastern city limits of Howell, not including the city of Howell, north to the Genesee County line and south to the Washtenaw County line); MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES:

	Rates	Fringes
PAINTER	$ 25.06	14.75

FOOTNOTES: For all spray work and journeyman rigging for spray work, also blowing off, $0.80 per hour additional (applies only to workers doing rigging for spray work on off the floor work. Does not include setting up or moving rigging on floor surfaces, nor does it apply to workers engaged in covering up or tending spray equipment. For all sandblasting and spray work performed on highway bridges, overpasses, tanks or steel, $0.80 per hour additional. For all brushing, cleaning and other preparatory work (other than spraying or steeplejack work) at scaffold heights of fifty (50) feet from the ground or higher, $0.50 per hour additional. For all preparatorial work and painting performed on open steel under forty (40) feet when no scaffolding is involved, $0.50 per hour additional. For all swing stage work-window jacks and window belts-exterior and interior, $0.50 per hour additional. For all spray work and sandblaster work to a scaffold height of forty (40) feet above the floor level, $0.80 per hour additional. For all preparatorial work and painting on all highway bridges or overpasses up to forty (40) feet in height, $0.50 per hour additional. For all steeplejack work performed where the elevation is forty (40) feet or more, $1.25 per hour additional.

PAIN0312-001 06/12/2014

EXCLUDES: ALLEGAN COUNTY (Townships of Dorr, Fillmore, Heath, Hopkins, Laketown, Leighton, Manlius, Monterey, Overisel, Salem, Saugatuck and Wayland); INCLUDES: Barry, Berrien, Branch, Calhoun, Cass, Hillsdale, Kalamazoo, St. Joseph, Van Buren

	Rates	Fringes

PAINTER
Brush and roller.....$ 21.75 11.94
Spray, Sandblast, Sign
Painting.....$ 22.75 11.94

PAIN0845-003 05/21/2014

CLINTON COUNTY; EATON COUNTY (does not include the townships of Bellevue and Olivet); INGHAM COUNTY; IONIA COUNTY (east of Hwy. M 66); LIVINGSTON COUNTY (west of the eastern city limits of Howell, including the city of Howell, north to the Genesee County line and south to the Washtenaw County line); AND SHIAWASSEE COUNTY (Townships of Bennington, Laingsbury and Perry):

	Rates	Fringes
PAINTER	$ 21.89	11.85

PAIN0845-015 05/21/2014

MUSKEGON COUNTY; NEWAYGO COUNTY (except the Townships of Barton, Big Prairie, Brooks, Croton, Ensley, Everett, Goodwell, Grant, Home, Monroe, Norwich and Wilcox); OCEANA COUNTY; OTTAWA COUNTY (except the townships of Allendale, Blendone, Chester, Georgetown, Holland, Jamestown, Olive, Park, Polkton, Port Sheldon, Tallmadge, Wright and Zeeland):

	Rates	Fringes
PAINTER	$ 21.89	11.85

PAIN0845-018 05/21/2014

ALLEGAN COUNTY (Townships of Dorr, Fillmore, Heath, Hopkins, Laketown, Leighton, Manlius, Monterey, Overisel, Salem, Saugatuck and Wayland); IONIA COUNTY (west of Hwy. M-66); KENT, MECOSTA AND MONTCALM COUNTIES; NEWAYGO COUNTY (Townships of Barton, Big Prairie, Brooks, Croton, Ensley, Everett, Goodwell, Grant, Home, Monroe, Norwich and Wilcox); OSCEOLA COUNTY (south of Hwy. #10); OTTAWA COUNTY (Townships of Allendale, Blendone, Chester, Georgetown, Holland, Jamestown, Olive, Park, Polkton, Port Sheldon, Tallmadge, Wright and Zeeland):

	Rates	Fringes
PAINTER	$ 21.89	11.85

FOOTNOTES: Lead abatement work: $1.00 per hour additional.

PAIN1011-003 06/05/2014

ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC, MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES:

	Rates	Fringes
PAINTER	$ 24.15	10.52

FOOTNOTES: High pay (bridges, overpasses, watertower): 30 to 80 ft.: $.65 per hour additional. 80 ft. and over: $1.30 per hour additional.

PAIN1474-002 06/01/2010

HURON COUNTY; LAPEER COUNTY (east of Hwy. M-53); ST. CLAIR, SANILAC AND TUSCOLA COUNTIES:

	Rates	Fringes
PAINTER	$ 23.79	12.02

FOOTNOTES: Lead abatement work: $1.00 per hour additional. Work with any hazardous material: $1.00 per hour additional. Sandblasting, steam cleaning and acid cleaning: $1.00 per hour additional. Ladder work at or above 40 ft., scaffold work at or above 40 ft., swing stage, boatswain chair, window jacks and all work performed over a falling height of 40 ft.: $1.00 per hour additional. Spray gun work, pick pullers and those handling needles, blowing off by air pressure, and any person rigging (setting up and moving off the ground): $1.00 per hour additional. Steeplejack, tanks, gas holders, stacks, flag poles, radio towers and beacons, power line towers, bridges, etc.: $1.00 per hour additional, paid from the ground up.

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* PAIN1803-003 06/01/2016

ALCONA, ALPENA, ANTRIM, ARENAC, BAY, BENZIE, CHARLEVOIX, CHEBOYGAN, CLARE, CRAWFORD, EMMET, GLADWIN, GRAND TRAVERSE, GRATIOT, IOSCO, ISABELLA, KALKASKA, LAKE, LEELANAU, MANISTEE, MASON, MIDLAND, MISSAUKEE, MONTMORENCY AND OGEMAW COUNTIES; OSCEOLA COUNTY (north of Hwy. #10); OSCODA, OTSEGO, PRESQUE ISLE, ROSCOMMON, SAGINAW AND WEXFORD COUNTIES:

	Rates	Fringes
PAINTER		
Work performed on water, bridges over water or moving traffic, radio and powerline towers, elevated tanks, steeples, smoke stacks over 40 ft. of falling heights, recovery of lead-based paints and any work associated with industrial plants, except maintenance of industrial		
plants	$ 25.10	13.15
All other work, including maintenance of industrial		
plant	$ 23.68	13.15

FOOTNOTES: Spray painting, sandblasting, blowdown associated with spraying and blasting, water blasting and work involving a swing stage, boatswain chair or spider: $1.00 per hour additional. All work performed inside tanks, vessels, tank trailers, railroad cars, sewers, smoke stacks, boilers or other spaces having limited egress not including buildings, opentop tanks, pits, etc.: $1.25 per hour additional.

PLAS0514-001 06/01/2014

ZONE 1: GENESEE, LIVINGSTON, MACOMB, MONROE, OAKLAND, SAGINAW, WASHTENAW AND WAYNE COUNTIES

ZONE 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SANILAC, SCHOOLCRAFT, SHIAWASSEE, ST. CLAIR, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

BID #6881 Main Street Sidewalk Improvements – Northfield Township

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
ZONE 1	$ 29.59	12.59
ZONE 2	$ 28.29	12.59

PLUM0190-003 05/01/2015

ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MACOMB, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MONROE, MUSKEGON, NEWAYGO, OAKLAND, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN, WASHTENAW, WAYNE AND WEXFORD COUNTIES

	Rates	Fringes
Plumber/Pipefitter - gas distribution pipeline: Welding in conjunction with gas distribution		
pipeline work	$ 33.03	20.19
All other work:	$ 24.19	12.28

TEAM0007-004 06/01/2015

AREA 1: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, SANILAC, SCHOOLCRAFT, SHIAWASSEE, ST. CLAIR, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

AREA 2: GENESEE, LIVINGSTON, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES

	Rates	Fringes
TRUCK DRIVER		
AREA 1		
Euclids, double bottoms and lowboys	$ 25.05	.50 + a+b
Trucks under 8 cu. yds	$ 24.80	.50 + a+b
Trucks, 8 cu. yds. and over	$ 24.90	.50 + a+b
AREA 2		
Euclids, double bottomms and lowboys	$ 24.895	.50 + a+b
Euclids, double bottoms and lowboys	$ 25.15	.50 + a+b
Trucks under 8 cu. yds	$ 24.90	.50 + a+b
Trucks, 8 cu. yds. and over	$ 25.00	.50 + a+b

Footnote:
a. $419.45 per week
b. $59.50 daily

TEAM0247-004 06/01/2004

AREA 1: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SANILAC, SCHOOLCRAFT, SHIAWASSEE, SAGINAW, ST. CLAIR, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

AREA 2: GENESEE, LIVINGSTON, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES

	Rates	Fringes
Sign Installer		
AREA 1		
GROUP 1	$ 20.18	.15 + a
GROUP 2	$ 19.93	.15 + a
AREA 2		
GROUP 1	$ 21.73	.15 + a
GROUP 2	$ 21.48	.15 + a

FOOTNOTE:

a. $132.70 per week, plus $17.80 per day.

SIGN INSTALLER CLASSIFICATIONS:

GROUP 1: performs all necessary labor and uses all tools required to construct and set concrete forms required in the installation of highway and street signs

GROUP 2: performs all miscellaneous labor, uses all hand and power tools, and operates all other equipment, mobile or otherwise, required for the installation of highway and street signs

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TEAM0247-010 04/01/2015

AREA 1: LAPEER AND SHIAWASSEE COUNTIES

AREA 2: GENESEE, MACOMB, MONROE, OAKLAND, ST. CLAIR, WASHTENAW AND WAYNE COUNTIES

	Rates	Fringes
TRUCK DRIVER (Underground construction)		
AREA 1		
GROUP 1	$ 22.37	405.90/wk+59.50/day
GROUP 2	$ 22.46	405.90/wk+59.50/day
GROUP 3	$ 22.67	405.90/wk+59.50/day
AREA 2		
GROUP 1	$ 22.67	405.90/wk+59.50/day
GROUP 2	$ 22.81	405.90/wk+59.50/day
GROUP 3	$ 23.00	405.90/wk+59.50/day

PAID HOLIDAYS: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

SCOPE OF WORK: Excavation, site preparation, land balancing, grading, sewers, utilities and improvements; also including but not limited to, tunnels, underground piping, retention, oxidation, flocculation facilities, conduits, general excavation and steel sheeting for underground construction. Underground construction work shall not include any structural modifications, alterations, additions and repairs to buildings or highway work, including roads, streets, bridge construction and parking lots or steel erection.

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Truck driver on all trucks (EXCEPT dump trucks of 8 cubic yards capacity or over, pole trailers, semis, low boys, Euclid, double bottom and fuel trucks)

GROUP 2: Truck driver on dump trucks of 8 cubic yards capacity or over, pole trailers, semis and fuel trucks

GROUP 3: Truck driver on low boy, Euclid and double bottom

SUMI2002-001 05/01/2002

	Rates	Fringes
Flag Person	$ 10.10	0.00
LINE PROTECTOR (ZONE 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE)	$ 18.98	12.17
LINE PROTECTOR (ZONE 2: STATEWIDE (EXCLUDING GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE)	$ 17.14	12.17
Pavement Marking Machine (ZONE 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES) Group 1	$ 24.89	12.17
Pavement Marking Machine (ZONE 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE) Group 2	$ 22.40	12.17
Pavement Marking Machine (ZONE 2: STATEWIDE (EXCLUDING GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES) Group 1	$ 22.89	12.17
Pavement Marking Machine (ZONE 2: STATEWIDE (EXCLUDING GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE)		

Group 2.....$ 20.60 12.17

WORK CLASSIFICATIONS:

PAVEMENT MARKER GROUP 1: Drives or operates a truck mounted striper, grinder, blaster, groover, or thermoplastic melter for the placement or removal of temporary or permanent pavement markings or markers.

PAVEMENT MARKER GROUP 2: Performs all functions involved for the placement or removal of temporary or permanent pavement markings or markers not covered by the classification of Pavement Marker Group 1 or Line Protector.

LINE PROTECTOR: Performs all operations for the protection or removal of temporary or permanent pavement markings or markers in a moving convoy operation not performed by the classification of Pavement Marker Group 1. A moving convoy operation is comprised of only Pavement Markers Group 1 and Line Protectors.

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or

"UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is

based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an

interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

==========

END OF GENERAL DECISION

BID #6881 Main Street Sidewalk Improvements – Northfield Township

SIGNATURE PAGE

Signature	Company Name
Print Name	Company Address
Title	City, County, St. Zip
Office Telephone #	Cell Phone #
Federal Tax ID #	Email Address for Purchase Orders

The above individual is authorized to sign on behalf of company submitting proposal.

Proposals must be signed by an official authorized to bind the provider to its provisions for at least a period of 90 days. Signature page must be signed, boxes checked below, and returned as part of vendor proposal.

☐ By signing this bid submission, I certify that I and/or my corporation, company, limited liability company, business association, partnership, society, trust or any other non-governmental entity, organization or group is not an "Iran linked business" as defined by P.A. 517 of 2012 (MCLA 129.311 et seq)("Act").

I understand that under the Act, an "Iran linked business means an individual or one of the above-listed groups who engages in investment activities in the energy sector of Iran, including, but not limited to, providing oil or liquefied natural gas tankers or products used to construct or maintain pipelines used to transport oil or liquefied gas for Iran's energy sector or a financial institution extending credit to another person to engage in investment activities in Iran's energy sector.

I further understand that "investment activity" is defined by the Act as an individual or one of the above listed groups that invests $20,000,000.00 or more in Iran's energy sector or a financial institution that extends credit to another person, if that person uses the credit to engage in "investment activity" in Iran's energy sector.

Howard Fink

From: Jacob Rushlow [jacob.rushlow@ohm-advisors.com]
Sent: Wednesday, June 15, 2016 4:17 PM
To: Nathan Voght; Angela Perry
Cc: Howard Fink
Subject: RE: Northfield Main Street Specs

Looks good to me. Thanks Nathan.

Once this is posted to MITN our next step is to prepare a few items for the pre-bid meeting on 6/22. I will have a set of the bid documents (plans and specs). I will also bring a sign-in sheet and copies of an agenda.

We are also drafting the construction engineering proposal and will have that over to you in the next few days.

Jacob

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Wednesday, June 15, 2016 9:47 AM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com>; Angela Perry <perrya@ewashtenaw.org>
Cc: Howard Fink <finkh@twp.northfield.mi.us>
Subject: RE: Northfield Main Street Specs

Ignore previous link. I needed to add pg. numbers.

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Sent: Wednesday, June 15, 2016 9:39 AM
To: 'Jacob Rushlow'; Angela Perry
Cc: Howard Fink
Subject: RE: Northfield Main Street Specs

Here is the final RFP, with all changes made. (follow link)

I've got a meeting at 10a.m., so hopefully this is it!

Nathan

https://drive.google.com/file/d/0BxcjjJf1zBKRY0tvQ1hoTk5la2c/view?usp=sharing

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Howard Fink

From: Nathan Voght [voghtn@ewashtenaw.org]
Sent: Tuesday, June 14, 2016 3:40 PM
To: Jacob Rushlow; Angela Perry
Cc: Howard Fink
Subject: RE: Northfield Main Street Specs

I can make these edits at 9 or 915 tomorrow morning. I'm out until then.

Sent from my Verizon Wireless 4G LTE smartphone

-------- Original message --------
From: Jacob Rushlow <jacob.rushlow@ohm-advisors.com>
Date: 06/14/2016 2:14 PM (GMT-05:00)
To: Angela Perry <perrya@ewashtenaw.org>, Nathan Voght <voghtn@ewashtenaw.org>
Cc: Howard Fink <finkh@twp.northfield.mi.us>
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JACOB A. Rushlow, PE
PROJECT MANAGER

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F 734.522.6427
D 734.466.4517
C 734.812.7154

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Sent: Tuesday, June 14, 2016 10:48 AM
To: Nathan Voght
Cc: Angela Perry; Howard Fink
Subject: RE: Northfield Main Street Specs

Probably easier just to update the numbers in the document you have. The only change was Item #17 Sign, Type IIB changed from 12 sft to 22 sft. Everything else remains the same as you have it in the final draft I received yesterday.

Jacob

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Tuesday, June 14, 2016 10:42 AM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com>
Cc: Angela Perry <perrya@ewashtenaw.org>; Howard Fink <finkh@twp.northfield.mi.us>
Subject: RE: Northfield Main Street Specs

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Subject: RE: Northfield Main Street Specs

Pls send me just APPENDIX C separately as a file attachement. It wouldn't open from the ZIP file

---

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Sent: Monday, June 13, 2016 4:31 PM
To: Nathan Voght; Angela Perry
Cc: Howard Fink
Subject: RE: WCRC Permit Application

Thanks Nathan. I am pulling together our final draft documents and will send those over to you.

I did have a comment on the RFP:
In Attachment A under Project Timeline I would recommend we set the substantial completion as 9/2 and make a final project completion as 9/30. This will get all construction items complete before school starts and still give the contractor enough construction time to properly cure the concrete. The time between 9/2 and 9/30 will allow us to make sure they have all punch list items addressed and the restored turf has established growth.

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Monday, June 13, 2016 11:45 AM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com>; Angela Perry <perrya@ewashtenaw.org>
Cc: Howard Fink <finkh@twp.northfield.mi.us>
Subject: RE: WCRC Permit Application

Please see UPDATED final draft of RFP. I inserted UPDATED Wage Determination information.

Disregard the earlier one…

Nathan

From: Nathan Voght
Sent: Monday, June 13, 2016 10:06 AM
To: 'Jacob Rushlow'; Angela Perry
Cc: Howard Fink
Subject: RE: WCRC Permit Application

Angela and Jacob,

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Jacob, please email me all attached documents that I'll need to attach to the RFP, once you've updated with the contractor info, below.

Here is what you need to include in the contractor's info related to WCRC and SESC:

WCRC Permit Requirements:

A letter from the County stating they will retain at least 10% of contract amount and only make final payment once WCRC has approved the work An inspection fee of 3% of the work within the ROW, or a minimum of $500 An application fee of $100

SESC Permit Requirements:

$500 permit fee
$2,000 Performance Guarantee in the form of Cash, Check, or Letter of Credit from a bank.

Can you update your contractor info, accordingly?

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Hi Nathan. Yes, someone from the County should attend the pre-bid meeting. I would suggest 10:00 AM for Wed 6/22 pre-bid.

We also need to set a time for the Mon. 7/11 bids due. Does the County have a standard time? The draft RFP had 3:00 PM as a place holder and I am good with that time if everyone else is also good.

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Thurs. June 30th - Answers to any contractor questions that were not answered at mandatory pre-bid meeting are sent to only attendees of mandatory mtg.
Mon. July 11th - BIDS DUE

Regarding your other questions, let's say the following:

Award Contract - July 18th
Contract Executed - July 27th
Notice to Proceed - Aug. 1st
Construction Start - Aug. 8th
Construction End - Sept. 2nd

Please let me know if the above looks good.

Thx,

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What do you think? If you're in agreement, I'll modify the RFP with all those dates.

I've called Gary Streight one more time to confirm our WCRC questions…

Thx

Nathan

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
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To: Nathan Voght
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Sent: Monday, June 13, 2016 10:06 AM
To: 'Jacob Rushlow'; Angela Perry
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Subject: RE: WCRC Permit Application
Attachments: RFP - Northfield Sidewalk RFP 6881 OHM 2016 Final Draft 6-13-16.doc

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REQUEST FOR PROPOSAL

#6881

Main Street Sidewalk Improvements

Northfield Township

FOR

Washtenaw County
Office of Community & Economic Development

Issued By:

Washtenaw County Purchasing
Administration Building
220 N. Main Street
Ann Arbor, MI 48104

Angela O. Perry
Purchasing Manager
(734) 222-6768

Proposal Submitted by:

_____

Please type Bidder's Company Name & **include as proposal cover**

WASHTENAW COUNTY
Finance Department

Purchasing Division

220 N. Main, Ann Arbor, MI 48104
Phone (734) 222-6760, Fax (734) 222-6764
www.purchasing.ewashtenaw.org

RFP #6881

Month, Date, Year (bid solicitation date)

Washtenaw County Purchasing Division on behalf of Washtenaw County Office of Community and Economic Development (OCED) (Washtenaw County Department) is issuing a sealed RFP #6881for construction of new ADA compliant concrete sidewalks between existing sidewalks, new ADA compliant crosswalks of intersecting streets in the project corridor, new ADA compliant sidewalk ramps, including one Rectangular Rapid Flashing Beacon-signaled crosswalk. Effective July 1, 2015, the County has a new Local Vendor Preference (LVP) policy. Federal funded programs, whether they are receiving the funds directly or as a State pass through are exempt from the LVP policy as mandated by the Federal Register 2 CFR Chapter I, Chapter II Part 200 section 200.319 Competition 7(b) effective December 26, 2014. The project described in this RFP is federally funded and, therefore, exempt from the LVP policy. This project is being supported by Community Development Block Grant (CDBG) funds.

Sealed Proposals: Vendor will deliver one (1) **unbound original** and three (3) **bound copies** **each with the pricing page flagged** to the County location specified below. In addition, vendor will also deliver an electronic copy on a USB drive, CD-RW, or DVD in pdf format to the location specified below:

Washtenaw County
Administration Building
Purchasing Division
220 N. Main St. Basement
Ann Arbor, MI 48104

By JULY 11, 2016 at 3:00pm EST

A **Mandatory Pre Bid meeting** will be held at the Northfield Township Office, 8350 Main Street, #A, Whitmore Lake, MI 48189 on Wednesday, June 22nd at 10:00AM

Proposals received after the above cited time will be considered a late bid and are not acceptable unless waived by the Purchasing Manager.

- Your proposal submission envelope(s) must be clearly marked *including FedEx & UPS package labels* **"SEALED RFP#6881"**

- Please direct purchasing and procedural questions regarding this RFP to Angela O. Perry **via e-mail only** to perrya@ewashtenaw.org.

- Please direct technical questions regarding this RFP to Departmen contact **via e-mail only** at **Nathan Voght, Economic Development Specialist, at voghtn@ewashtenaw.org.**

Thank you for your interest.

PROPOSAL INFORMATION

I. PROPOSAL DEFINITIONS

Definitions

"Bidder"	An individual or business submitting a bid to Washtenaw County
"Contractor/Vendor"	One who contracts to perform services in accordance with a contract
"County"	Washtenaw County in Michigan
"Department"	Office of Community & Economic Development

II. TERMS

A. Washtenaw County reserves the right to reject any and all proposals received as a result of this RFP. If a proposal is selected, it will be the most advantageous regarding price, quality of service, the CONTRACTORS qualifications and capabilities to provide the specified service, and other factors that the County may consider. The County does not intend to award a contract fully on the basis of any response made to the proposal; the County reserves the right to consider proposals for modifications at any time before a contract would be awarded and negotiations would be undertaken with that CONTRACTOR whose proposal is deemed to best meet the County's specifications and needs.

B. The County reserves the right to reject any or all bids, to waive or not waive informalities or irregularities in bids or bidding procedures, and to accept or further negotiate cost, terms, or conditions of any bid determined by the County to be in the best interests of the County even though not the lowest bid.

C. Proposals must be signed by an official authorized to bind the CONTRACTOR to its provisions for at least a period of 90 days. Failure of the successful bidder to accept the obligation of the contract may result in the cancellation of any award.

D. In the event it becomes necessary to revise any part of the RFP, addenda will be provided. Deadlines for submission of RFP's may be adjusted to allow for revisions. To be considered, **one (1) unbound original and three (3) copies** and an electronic version in pdf format, submitted on CD-RW, DVD or USB drive must be at the County as indicated on or before the date specified.

E. Proposals should be prepared simply and economically providing a straight-forward, concise description of the CONTRACTOR'S ability to meet the requirements of the RFP. Proposals must be typed. No erasures are permitted. Mistakes may be crossed out and corrected and must be initialed in ink by the person signing the proposal. *CONTRACTOR shall ensure that proposals are submitted using both sides of recycled paper whenever practicable.*

F. The initial award of this contract shall be for a period of 1 year(s), with an option to renew an additional six months(s), pending agreement by both parties.

G. CONFLICT OF INTEREST. Contractor warrants that to the best of contractor's knowledge, there exists no actual or potential conflict between contractor and the County, and its Services under this request, and in the event of change in either contractor's private interests or Services under this request, contractor will inform the County regarding possible conflict of interest which may arise as a result of the change. Contractor also affirms that, to the best of contractor's knowledge, there exists no actual or potential conflict between a County employee and Contractor.

H. The bidder shall be responsible for all costs incurred in the development and submission of this response. Washtenaw County assumes no contractual obligation as a result of the issuance of this RFP, the preparation or submission of a response by a bidder, the evaluation of an accepted response, or the selection of finalists. All proposals, including attachments, supplementary materials, addenda, etc. shall become the property of Washtenaw County and will not be returned to the bidder.

I. Any responses, materials, correspondence, or documents provided to Washtenaw County under this solicitation are subject to the State of Michigan Freedom of Information Act and may be released to third parties in compliance with that Act.

J. Local Vendor Preference – A policy adopted by the Washtenaw County Board of Commissioners (BOC) that shall govern the procurement of goods, services and food from local vendors located in Washtenaw County and the State of Michigan. The intent of the BOC is to encourage and promote economic growth and regional job development. The policy shall be applied to Washtenaw County operated programs as allowed, except those that are federally funded directly or indirectly. All other Procurement Policies and Procedures remain in full effect.

K. Vendor Appeal Process – Unsuccessful bidders may appeal an award of contract, lease or purchase order to the County Administrator. All appeals shall be made in writing to the County Administrator within five (5) business days of the Notice to Award. The County Administrator shall take necessary actions to review the appeals and respond to the individual submitting an appeal within five (5) business days. This response shall be documented in writing in the bid file.

III. VENDOR SPECIFICATIONS

The proposal shall include **all** of the following information. Failure to include all of the required information may result in disqualification of a Bidder.

A. State the bidder's qualifications to provide the services required by Washtenaw County. Include years in business under your present company name, staff profile and experience.

(Attach as Addendum A)

B. List three (3) references from previous corporate or government customers purchasing similar services. Include business name, contact name and phone number.

(Attach as Addendum B)

C. Review contract provisions and insurance requirements. Note any limitations on any of the articles or providing insurance requirements as outlined in the contract provisions contained in Sample Contract.

(Attach as Addendum C)

D. Each Proposal shall be accompanied by a cashier's check, certified check, money order or bid bond, payable to Washtenaw County, Office of Community and Economic Development, in an amount not less than five percent (5%) of the amount of the Proposal, as a bid guarantee. The Bid Guarantee of the Bidders under consideration will be returned after approval of the Contract by the Owner. All others will be returned after the Proposal opening.

(Attach as Addendum D)

E. The successful Bidder will be required to furnish a satisfactory Performance Bond and Labor and Material Bond, each in the amount of One Hundred Percent (100%) of the Contract.

IV. AWARD

Award will be made to the lowest responsive, responsible bidder, with the most relevant experience and best qualifications. However, the award may not be based solely on low bid alone.

V. SCOPE OF WORK

The work to be done under this Contract includes the furnishing of all materials, equipment, and labor necessary to construct the proposed sidewalk and pedestrian crossings as well as all necessary earthwork, cleaning and restoration in accordance with the plans and specifications.

VI. SAMPLE STANDARD PROVISIONS FOR CONTRACTS

If a contract is awarded, the selected contractor will be required to adhere to a set of general contract provisions which will become a part of any formal agreement. These provisions are general principles which apply to all contractors of service to Washtenaw County such as the following:

SERVICE CONTRACT - FEDERAL FUNDED **CR_____**

AGREEMENT is made this ----------_day of ---------- , 2016, by the COUNTY OF WASHTENAW, a municipal corporation, with offices located in the County Administration Building, 220 North Main Street, Ann Arbor, Michigan 48107("County") and ***(NAME OF CONTRACTOR)*** located at ***(CONTRACTOR'S ADDRESS)*** ("Contractor").

Federal Awarding Agency	
Federal / State Contract Number	
Federal Program Title	
CFDA Number	
Federal Funding %	

In consideration of the promises below, the parties mutually agree as follows:

ARTICLE I - SCOPE OF SERVICES

The Contractor will perform the scope of services described in Attachment A (bid specifications) of this project. The work to be done under this Contract includes the furnishing of all materials, equipment, and labor necessary to construct the proposed sidewalk and pedestrian crossings as well as all necessary earthwork, cleaning and restoration in accordance with the plans and specifications.

ARTICLE II - COMPENSATION

Upon completion of the above services and submission of invoices the County will pay the Contractor an amount not to exceed ***(SPELL OUT DOLLAR AMOUNT)*** in accordance with specifications described in RFP # 6881 and services described in Attachment A (bid specifications) of this project.

The contractor will comply with established COUNTY disbursement schedules and procedures. CDBG funds will be disbursed to the contractor upon submission of invoices for work completed and inspected. The contractor will provide the OCED with proof of interim & final inspections, final project budget, original Davis-Bacon and Section 3 paperwork, sworn statements from the contractor and sub-contractors, and waivers of lien with the final request for reimbursement of CDBG eligible costs. All checks, invoices, contractors, vouchers, and other accounting documents pertaining in whole or part to this Agreement shall be clearly identified and readily accessible.

ARTICLE III - REPORTING OF CONTRACTOR

Section 1 - The Contractor is to report to ***(DEPARTMENT HEAD TITLE)*** and will cooperate and confer with him/her as necessary to insure satisfactory work progress.

Section 2 - All reports, estimates, memoranda and documents submitted by the Contractor must be dated and bear the Contractor's name.

Section 3 - All reports made in connection with these services are subject to review and final approval by the County Administrator.

Section 4 - The County may review and inspect the Contractor's activities during the term of this contract.

Section 5 - When applicable, the Contractor will submit a final, written report to the County Administrator.

Section 6 - After reasonable notice to the Contractor, the County may review any of the Contractor's internal records, reports, or insurance policies.

ARTICLE IV - TERM

This contract begins on ***(MONTH, DAY, YEAR)*** and ends on ***(MONTH, DAY, YEAR)***, *with an option to extend an additional _____ year(s).*

ARTICLE V - PERSONNEL

Section 1 - The contractor will provide the required services and will not subcontract or assign the services without the County's written approval.

Section 2 - The Contractor will not hire any County employee for any of the required services without the County's written approval.

Section 3 - The parties agree that all work done under this contract shall be completed in the United States and that none of the work will be partially or fully completed by either an offshore subcontractor or offshore business interest either owned or affiliated with the contractor. For purposes of this contract, the term, "offshore" refers to any area outside the contiguous United States, Alaska or Hawaii.

ARTICLE VI - INDEPENDENT CONTRACTOR

Contractor and the County shall, at all times, be deemed to be independent contractors and nothing herein shall be construed to create or imply that there exists between the parties a partnership, joint venture or other business organization. Contractor shall hold no authority, express or implied, to commit, obligate or make representations on behalf of the County and shall make no representation to others to the contrary.

Nothing herein is intended nor shall be construed for any purpose as creating the relationship of employer and employee or agent and principal between the parties. Except as otherwise specified in this contract, Contractor retains the sole right and obligation to direct, control or supervise the details and means by which the services under this contract are provided.

SAMPLE

Contractor shall not be eligible for, or participate in, any insurance, pension, workers' compensation insurance, profit sharing or other plans established for the benefit of the County's employees. Contractor shall be solely responsible for payment of all taxes arising out of the Contractor's activities in connection with this Agreement, including, without limitation, federal and state income taxes, social security taxes, unemployment insurance taxes and any other tax or business license fees as required. The County shall not be responsible for withholding any income or employment taxes whatsoever on behalf of the Contractor.

ARTICLE VII - INDEMNIFICATION AGREEMENT

The contractor will protect, defend and indemnify Washtenaw County, its officers, agents, servants, volunteers and employees from any and all liabilities, claims, liens, fines, demands and costs, including legal fees, of whatsoever kind and nature which may result in injury or death to any persons, including the Contractor's own employees, and for loss or damage to any property, including property owned or in the care, custody or control of Washtenaw County in connection with or in any way incident to or arising out of the occupancy, use, service, operations, performance or non-performance of work in connection with this contract resulting in whole or in part from negligent acts or omissions of contractor, any sub-contractor, or any employee, agent or representative of the contractor or any sub-contractor.

ARTICLE VIII - INSURANCE REQUIREMENTS

The Contractor will maintain at its own expense during the term of this Contract, the following insurance:

1. Workers' Compensation Insurance with Michigan statutory limits and Employers Liability Insurance with a minimum limit of $100,000 each accident for any employee.

2. Commercial General Liability Insurance with a combined single limit of $1,000,000 each occurrence for bodily injury and property damage. The County shall be added as "additional insured" on general liability policy with respect to the services provided under this contract.

3. Automobile Liability Insurance covering all owned, hired and nonowned vehicles with Personal Protection Insurance and Property Protection Insurance to comply with the provisions of the Michigan No Fault Insurance Law, including residual liability insurance with a minimum combined single limit of $1,000,000 each accident for bodily injury and property damage. For transportation services contracts, the County shall be added as additional insured on automobile liability policy with respect to the services provided under this contract.

Insurance companies, named insureds and policy forms may be subject to the approval of the Washtenaw County Administrator, if requested by the County Administrator. Such approval shall not be unreasonably withheld. Insurance policies shall not contain endorsements or policy conditions which reduce coverage provided to Washtenaw County. Contractor shall be responsible to Washtenaw County or insurance companies insuring Washtenaw County for all costs resulting from both financially unsound insurance companies selected by Contractor and their inadequate insurance coverage. Contractor shall furnish the Washtenaw County Administrator with satisfactory certificates of insurance or a certified copy of the policy, if requested by the County Administrator.

No payments will be made to the Contractor until the current certificates of insurance have been received and approved by the Administrator. If the insurance as evidenced by the certificates furnished by the Contractor expires or is canceled during the term of the contract, services and related payments will be suspended. Contractor shall furnish certification of insurance evidencing such coverage and endorsements at least ten (10) working days prior to commencement of services under this contract. Certificates shall be addressed to the Washtenaw County c/o: ***415 W. Michigan Ave., Ypsilanti, MI 48197, CR#_____,*** and shall provide for written notice to the Certificate holder of cancellation of coverage.

ARTICLE IX - COMPLIANCE WITH LAWS AND REGULATIONS

The Contractor will comply with all federal, state and local regulations, including but not limited to all applicable OSHA/MIOSHA requirements and the Americans with Disabilities Act.

ARTICLE X - INTEREST OF CONTRACTOR AND COUNTY

The Contractor promises that it has no interest which would conflict with the performance of services required by this contract. The Contractor also promises that, in the performance of this contract, no officer, agent, employee of the County of Washtenaw, or member of its governing bodies, may participate in any decision relating to this contract which affects his/her personal interest or the interest of any corporation, partnership or association in which he/she is directly or indirectly interested or has any personal or pecuniary interest. However, this paragraph does not apply if there has been compliance with the provisions of Section 3 of Act No. 317 of the Public Acts of 1968 and/or Section 30 of Act No. 156 of Public Acts of 1851, as amended by Act No. 51 of the Public Acts of 1978, whichever is applicable.

ARTICLE XI - CONTINGENT FEES

The Contractor promises that it has not employed or retained any company or person, other than bona fide employees working solely for the Contractor, to solicit or secure this contract, and that it has not paid or agreed to pay any company or person, other than bona fide employees working solely for the Contractor, any fee, commission, percentage, brokerage fee, gifts or any other consideration contingent upon or resulting from the award or making of this contract. For breach of this promise, the County may cancel this contract without liability or, at its discretion, deduct the full amount of the fee, commission, percentage, brokerage fee, gift or contingent fee from the compensation due the Contractor.

ARTICLE XII – DEBARMENT AND SUSPENSION

By signing this Contract, Contractor assures the County that it will comply with Federal Regulation 45 CFR Part 76 and certifies that to the best of its knowledge and belief the Contractor and any subcontractors retained by Contractor:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any federal department or contractor;

2. Have not within a three-year period preceding this Contract been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property;

3. Are not presently indicted or otherwise criminally or civilly charged by a government entity (federal, state or local) with commission of any of the offenses enumerated in section 2, and ;

4. Have not within a three-year period preceding this Contract had one or more public transactions (federal, state or local) terminated for cause or default.

ARTICLE XIII – LOBBYING

By signing this contract, Contractor assures the County that it will comply with Section 1352, Title 31 of the U.S. Code (pertaining to not using federal monies to influence federal contracting and financial transactions). The Contractor assures the County that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the Contractor, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the making of any Federal grant, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal grant or cooperative agreement;

2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal grant or cooperative agreement, the Contractor shall complete and submit Standard Form - LLL, Disclosure of Lobbying Activities," in accordance with its instructions;

3. This language shall be included in the award documents for all subawards at all tiers (including subgrants, contracts under grants and cooperative agreements, and subcontracts) and that all sub-recipients shall certify and disclose accordingly.

ARTICLE XIV - DRUG-FREE WORKPLACE

Grantees Other Than Individuals

A. As required by the Drug-Free Workplace Act of 1988, the Contractor assures the County that it will or will continue to provide a drug-free workplace by:
   a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
   b) Establishing an on-going drug-free awareness program to inform employees about—
      1) The dangers of drug abuse in the workplace;
      2) The grantee's policy of maintaining a drug-free workplace;
      3) Any available drug counseling, rehabilitation, *and* employee assistance programs; and
      4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
   c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);
   d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will—

1) Abide by the terms of the statement; and
2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;

e) Notifying the County, in writing, within 10 calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to the County;

f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted—
   1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
   2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;

g) Making a good faith effort to continue to maintain a drug- free workplace through implementation of paragraphs (a), (b), (c), (d), (e), and (f).

Grantees Who Are Individuals

As required by the Drug-Free Workplace Act of 1988:

A. As a condition of the grant, the Contractor assures the County that it will not engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in conducting any activity with the grant; and
B. If convicted of a criminal drug offense resulting from a violation occurring during the conduct of any grant activity, the Contractor agrees to report the conviction, in writing, within 10 calendar days of the conviction, to the County.

ARTICLE XV - FEDERAL PROCUREMENT STANDARDS

The Contractor assures the County that it will follow federal procurement standards as described in the Code of Federal Regulations Part 215 Subpart C – Post-Award Requirements, Procurement Standards, Sections 215.40-48 when procuring goods or services with federal funds to insure that procurement decisions are made ethically and with free and open competition among those providing the goods or services.

ARTICLE XVI - EQUAL EMPLOYMENT OPPORTUNITY

The Contractor will not discriminate against any employee or applicant for employment because of race, creed, color, sex, sexual orientation, national origin, physical handicap, age, height, weight, marital status, veteran status, religion and political belief (except as it relates to a bona fide occupational qualification reasonably necessary to the normal operation of the business).

The Contractor will take affirmative action to eliminate discrimination based on sex, race, or a handicap in the hiring of applicant and the treatment of employees. Affirmative action will include, but not be limited to: Employment; upgrading, demotion or transfer; recruitment advertisement; layoff or termination; rates of pay or other forms of compensation; selection for training, including apprenticeship.

The Contractor agrees to post notices containing this policy against discrimination in conspicuous places available to applicants for employment and employees. All solicitations or advertisements for employees, placed by or on the behalf of the Contractor, will state that all

qualified applicants will receive consideration for employment without regard to race, creed, color, sex, sexual orientation, national origin, physical handicap, age, height, weight, marital status, veteran status, religion and political belief.

ARTICLE XVII - LIVING WAGE

The parties understand that the County has enacted a Living Wage Ordinance that requires covered vendors who execute a service or professional service contract with the County to pay their employees under that contract, a minimum of either $12.00 per hour with benefits or $14.07 per hour without benefits. Contractor agrees to comply with this Ordinance in paying its employees. Contractor understands and agrees that an adjustment of the living wage amounts, based upon the Health and Human Services poverty guidelines, will be made on or before April 30, 2016 and annually thereafter which amount shall be automatically incorporated into this contract. County agrees to give Contractor thirty (30) days written notice of such change. Contractor agrees to post a notice containing the County's Living Wage requirements at a location at its place of business accessed by its employees.

ARTICLE XVIII - EQUAL ACCESS

The Contractor shall provide the services set forth in Article I without discrimination on the basis of race, color, religion, national origin, sex, sexual orientation, marital status, physical handicap, or age.

ARTICLE XIX - OWNERSHIP OF DOCUMENTS AND PUBLICATION

All documents developed as a result of this contract will be freely available to the public. None may be copyrighted by the Contractor. During the performance of the services, the Contractor will be responsible for any loss of or damage to the documents while they are in its possession and must restore the loss or damage at its expense. Any use of the information and results of this contract by the Contractor must reference the project sponsorship by the County. Any publication of the information or results must be co-authored by the County.

ARTICLE XX - ASSIGNS AND SUCCESSORS

This contract is binding on the County and the Contractor, their successors and assigns. Neither the County nor the Contractor will assign or transfer its interest in this contract without the written consent of the other.

ARTICLE XXI - TERMINATION OF CONTRACT

Section 1 - Termination without cause. Either party may terminate the contract by giving thirty (30) days written notice to the other party.

Section 2 - In the event of any breach or default by the County or the Contractor of the terms and conditions of this Agreement, the party not in default will give written notice to the party in default specifying the acts and/or omissions constituting the alleged default or breach; if within fifteen (15) working days after issuance of such notice, the party in default has failed to cure such default, then in that event, the party not in default may terminate this Agreement and exercise such other rights as are provided herein and by law for breach of contract; provided, however, that if the alleged default can be cured by the performance of work or repairs or by

some act, the performance of which requires a period of time, such default will be determined to have been cured if, within the above-referenced fifteen (15) working days, the party allegedly in default has begun to cure the default and continues until such default is cured within a reasonable time.

ARTICLE XXII - PAYROLL TAXES

The Contractor is responsible for all applicable state and federal social security benefits and unemployment taxes and agrees to indemnify and protect the County against such liability.

ARTICLE XXIII- PRACTICE AND ETHICS

The parties will conform to the code of ethics of their respective national professional associations.

ARTICLE XXIV- CHANGES IN SCOPE OR SCHEDULE OF SERVICES

Changes mutually agreed upon by the County and the Contractor, will be incorporated into this contract by written amendments signed by both parties.

ARTICLE XXV - CHOICE OF LAW AND FORUM

This contract is to be interpreted by the laws of Michigan. The parties agree that the proper forum for litigation arising out of this contract is in Washtenaw County, Michigan.

ARTICLE XXVI-FEDERALLY REQUIRED PROVISIONS

When applicable, the following provisions shall apply to contracts funded in whole, or in part, by federal award monies:

For "federally assisted construction contracts" as defined by 41 CFR Part 60-1.3, Contractor must comply with the equal opportunity clause provided under 41 CFR 60—1.4(b), in accordance with Executive Order 11246, "Equal Employment Opportunity (30 FR 12319, 12935, 3 CFR Part, 1964—1965 Comp., p. 339), as amended by Executive Order 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and implementing regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor."

For all prime construction contracts exceeding $2,000.00 awarded by non-Federal entities, Contractor shall comply with the Davis-Bacon Act (40 U.S.C. 3141—3144, and 3146—3148), as supplemented by Department of Labor regulations (29 CFR Part 5, "Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction"). Contractor must pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, Contractor must be paid wages not less than once a week. The parties agree that the County will report all suspected or reported violations of this provision to the Federal awarding agency.

In addition, Contractor must also comply with the Copeland "Anti-Kickback Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and

Subcontractors on Public Bidding or Public Work Financed in Whole or in Part by Loans or Grants from the United States") which prohibits Contractor or Subrecipient from inducing, by any means, any person employed in the construction, completion or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. County shall report all suspected or reported violations to the Federal awarding agency.

If this contract exceeds $100,000.00 and involves the employment of mechanics or laborers, Contractor shall comply with U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). To that extent, Contractor must compute the wages of each mechanic and laborer on the basis of a standard forty (40) hour work week with hours exceeding this standard to be paid at one and one half the standard hourly rate. In addition, Contractor agrees that no mechanic or laborer shall be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous.

If the Federal award funding this Agreement meets the definition of "funding agreement" under 37 CFR, Sec. 401.2(a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental or research work under that funding agreement, the recipient or subrecipient must comply with 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency.

If this Agreement and/or subgrant exceeds $150,000.00, Contractor shall comply with all applicable standards, orders and/or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). The parties agree that the County shall report all violations of these Acts to the Federal awarding agency and the Regional Office of the Environmental Protection Agency ("EPA").

Contractor agrees to comply with all mandatory standards and policies relating to energy efficiency which are contained in the State of Michigan's energy conservation plan issued in compliance with the Energy Policy and Conservation Act. (42 U.S.C. 6201).

Contractor agrees to comply with the provisions of the Byrd Anti-Lobbying Amendment (31 U.S.C. Section 1352), which prohibits the use of federal funds by the Contractor or subcontractor of a Federal contract, grant, loan or cooperative agreement to pay any person to influence or attempt to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress or an employee of a member of Congress in connection with the federal funds awarded under this Agreement.

The parties agree that County and Contractor shall comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include, for those items where the purchase price exceeds $10,000.00 or the value of the quantity acquired by the preceding fiscal year exceeded $10,000.00, procuring only items designated in guidelines of the EPA at 40 CFR, Part 247, that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program to procuring recovered materials identified in the EPA guidelines.

ARTICLE XXVII - EXTENT OF CONTRACT

This contract represents the entire agreement between the parties and supersedes all prior representations, negotiations or agreements whether written or oral.

ATTESTED TO:

By:----------
Lawrence Kestenbaum (DATE)
County Clerk/Register

WASHTENAW COUNTY

Gregory Dill (DATE)
County Administrator

APPROVED AS TO CONTENT:

By: ----------
Brett Lenart, Interim Director (DATE)
Washtenaw County Office of Community
And Economic Development

CONTRACTOR

(CONTRACTOR'S NAME) (DATE)

APPROVED AS TO FORM:

By: ----------
Curtis N. Hedger (DATE)
Office of Corporation Counsel

SAMPLE

Attachment A – Specifications, Scope of Service and Timeline

NARRATIVE DESCRIPTION/ SCOPE OF WORK:

WASHTENAW COUNTY will contract with the **CONTRACTOR** for the furnishing of all materials, equipment, and labor necessary to construct the proposed sidewalk and pedestrian crossings as well as all necessary earthwork, cleaning and restoration in accordance with the plans and specifications attached.

SPECIAL CONDITIONS:

The **CONTRACTOR** shall also coordinate with the Office of Community Development to assure that the following requirements for the public facility improvement project are met:

1. CONTRACTOR(s) must follow the requirements of the Davis-Bacon Act and Wage Determination, and the Section 3 regulations, as provided by the Office of Community Development.
2. CONTRACTOR(s) shall submit a project timeline and attend a preconstruction conference with the Office of Community Development.
3. CONTRACTOR(s) agrees that all craftsmen, mechanics and laborers it employs to work on this project shall, at a minimum, receive the prevailing wages and fringe benefits of the Building Trade Department for corresponding classes of craftsmen, mechanics and laborers for the Washtenaw County area, as determined and published by the Davis-Bacon Division of the United States Department of Labor. Contractor agrees that all subcontracts entered into by the Contractor shall contain a similar provision covering any sub-contractor's employees who perform work on this project.
4. CONTRACTOR(s) agree to maintain performance & payment bonds, as indicated in the 2016-17 RFP documents issued by Office of Community and Economic Development.

PROJECT TIMELINE:

Activity	Deadline
Contract Award	July 18th, 2016
Notice to Proceed	August 1st, 2016
Construction Start Date	August 8th, 2016
Substantial Completion Date	August 26th, 2016
Project Completion	September 2, 2016
Project Completion Date:	**September 2, 2016**

BID #6881 Main Street Sidewalk Improvements – Northfield Township

Bid Form

Item	Description	Estimated Quantity		Unit Price	Amount
1	Mobilization, Max 10%	1	Ea	$	$
2	Traffic Control	1	LS	$	$
3	Station Grading	9.4	Sta	$	$
4	Pavt, Rem	24	Syd	$	$
5	Sidewalk, Rem	9	Syd	$	$
6	Erosion Control, Silt Fence	929	Ft	$	$
7	Culv, CMP, 12 inch	35	Ft	$	$
8	Culv End Sect, CMP, 12 inch	4	Ea	$	$
9	Reconstruct Sanitary Structure	2	Ea	$	$
10	Sand Subbase, CL II	156	Ton	$	$
11	Sidewalk, Conc, 4 inch	4132	Sft	$	$
12	Sidewalk Ramp, Conc, 6 inch	100	Sft	$	$
13	Sidewalk, Conc, 6 inch	525	Sft	$	$
14	Irrigation Line	100	Ft	$	$
15	Remove and Reset Irrigation Head	10	Ea	$	$
16	Post, Steel, 3 lb	16	Ft	$	$
17	Sign, Type IIIB	12	Sft	$	$
18	RRFB Assembly	2	Ea	$	$
19	Pavt Mrkg, Ovly Cold Plastic, 6 inch, White	66	Ft	$	$
20	Pavt Mrkg, Ovly Cold Plastic, 12 inch, White	60	Ft	$	$
21	Pavt Mrkg, Ovly Cold Plastic, Ped	2	Ea	$	$
22	Pavt Mrkg, Ovly Cold Plastic, Xing	2	Ea	$	$
23	Turf Establishment	1	LS	$	$
24	Digital Video Recorded Survey	1	LS	$	$
	Total Bid Amount (ITEM 1-24 incl.):				**$**

SAMPLE

Wage Determination

General Decision Number: MI160001 02/26/2016 MI1

Superseded General Decision Number: MI20150001

State: Michigan

Construction Types: Highway (Highway, Airport & Bridge xxxxx and Sewer/Incid. to Hwy.)

Counties: Michigan Statewide.

Note: Under Executive Order (EO) 13658, an hourly minimum wage of $10.15 for calendar year 2016 applies to all contracts subject to the Davis-Bacon Act for which the solicitation was issued on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least $10.15 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2016. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/08/2016
1	01/15/2016
2	02/26/2016

CARP0004-004 06/01/2013

REMAINDER OF STATE

	Rates	Fringes
CARPENTER (Piledriver).....	$ 25.34	17.37

CARP0004-005 06/01/2013

LIVINGSTON (Townships of Brighton, Deerfield, Genoa, Hartland, Oceola & Tyrone), MACOMB, MONROE, OAKLAND, SANILAC, ST. CLAIR AND WAYNE COUNTIES

	Rates	Fringes

CARPENTER (Piledriver).....$ 28.09 24.31

ELEC0017-005 06/01/2015

STATEWIDE

	Rates	Fringes
Line Construction		
Groundman/Driver	$ 27.24	12.70
Journeyman Signal Tech, Communications Tech, Tower Tech & Fiber Optic Splicers	$ 36.97	15.37
Journeyman Specialist	$ 42.52	16.89
Operator A	$ 31.32	13.82
Operator B	$ 29.27	13.26

Classifications

Journeyman Specialist: Refers to a crew of only one person working alone.
Operator A: Shall be proficient in operating all power equipment including: Backhoe, Excavator, Directional Bore and Boom/Digger truck.
Operator B: Shall be proficient in operating any 2 of the above mentioned pieces of equipment listed under Operator A.

ENGI0324-003 06/01/2015

ALCONA, ALPENA, ARENAC, BAY, CHEBOYGAN, CLARE, CLINTON, CRAWFORD, GENESEE, GLADWIN, GRATIOT, HURON, INGHAM, IOSCO, ISABELLA, JACKSON, LAPEER, LENAWEE, LIVINGSTON, MACOMB, MIDLAND, MONROE, MONTMORENCY, OAKLAND, OGEMAW, OSCODA, OTSEGO, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLAIR, SANILAC, SHIAWASSEE, TUSCOLA, WASHTENAW AND WAYNE COUNTIES:

	Rates	Fringes
OPERATOR: Power Equipment (Steel Erection)		
GROUP 1	$ 43.82	22.05
GROUP 2	$ 44.82	22.05
GROUP 3	$ 42.32	22.05
GROUP 4	$ 43.32	22.05
GROUP 5	$ 40.82	22.05
GROUP 6	$ 41.82	22.05
GROUP 7	$ 40.55	22.05

GROUP 8	$ 41.55	22.05
GROUP 9	$ 40.10	22.05
GROUP 10	$ 41.10	22.05
GROUP 11	$ 39.37	22.05
GROUP 12	$ 40.37	22.05
GROUP 13	$ 39.01	22.05
GROUP 14	$ 40.01	22.05
GROUP 15	$ 38.37	22.05
GROUP 16	$ 36.67	22.05
GROUP 17	$ 31.56	22.05
GROUP 18	$ 30.15	22.05

FOOTNOTE:

Paid Holidays: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Engineer when operating combination of boom and jib 400' or longer

GROUP 2: Engineer when operating combination of boom and jib 400' or longer on a crane that requires an oiler

GROUP 3: Engineer when operating combination of boom and jib 300' or longer

GROUP 4: Engineer when operating combination of boom and jib 300' or longer on a crane that requires an oiler

GROUP 5: Engineer when operating combination of boom and jib 220' or longer

GROUP 6: Engineer when operating combination of boom and jib 220' or longer on a crane that requires an oiler

GROUP 7: Engineer when operating combination of boom and jib 140' or longer

GROUP 8: Engineer when operating combination of boom and jib 140' or longer on a crane that requires an oiler

GROUP 9: Tower crane & derrick operator (where operator's work station is 50 ft. or more above first sub-level)

GROUP 10: Tower crane & derrick operator (where operator's work station is 50 ft. or more above first sub-level) on a crane that requires an oiler

GROUP 11: Engineer when operating combination of boom and jib

SAMPLE

120' or longer

GROUP 12: Engineer when operating combination of boom and jib 120' or longer on a crane that requires an oiler

GROUP 13: Crane operator; job mechanic and 3 drum hoist and excavator

GROUP 14: Crane operator on a crane that requires an oiler

GROUP 15: Hoisting operator; 2 drum hoist and rubber tired backhoe

GROUP 16: Forklift and 1 drum hoist

GROUP 17: Compressor or welder operator

GROUP 18: Oiler

ENGI0324-004 06/01/2014

AREA 1: ALLEGAN, BARRY, BERRIEN, BRANCH, CALHOUN, CASS, EATON, HILLSDALE, IONIA, KALAMAZOO, KENT, LAKE, MANISTEE, MASON, MECOSTA, MONTCALM, MUSKEGON, NEWAYGO, OCEANA, OSCEOLA, OTTAWA, ST. JOSEPH, VAN BUREN

AREA 2: ANTRIM, BENZIE, CHARLEVOIX, EMMET, GRAND TRAVERSE, KALKASKA, LEELANAU, MISSAUKEE AND WEXFORD COUNTIES:

	Rates	Fringes
OPERATOR: Power Equipment (Steel Erection)		
AREA 1		
GROUP 1	$ 29.44	21.70
GROUP 2	$ 29.19	21.70
GROUP 3	$ 28.69	21.70
GROUP 4	$ 23.59	21.70
GROUP 5	$ 21.94	21.70
GROUP 6	$ 19.34	21.70
AREA 2		
GROUP 1	$ 29.44	21.70
GROUP 2	$ 29.19	21.70
GROUP 3	$ 28.19	21.70
GROUP 4	$ 23.29	21.70
GROUP 5	$ 21.64	21.70
GROUP 6	$ 18.84	21.70

FOOTNOTES:

SAMPLE

Crane operator with main boom and jib 300' or longer: $1.50 additional to the group 1 rate. Crane operator with main boom and jib 400' or longer: $3.00 additional to the group 1 rate.
PAID HOLIDAYS: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS:

GROUP 1: Crane Operator with main boom & jib 400', 300', or 220' or longer.

GROUP 2: Crane Operator with main boom & jib 140' or longer, Tower Crane; Gantry Crane; Whirley Derrick.

GROUP 3: Regular Equipment Operator, Crane, Dozer, Loader, Hoist, Straddle Wagon, Mechanic, Grader and Hydro Excavator.

GROUP 4: Air Tugger (single drum), Material Hoist Pump 6" or over, Elevators, Brokk Concrete Breaker.

GROUP 5: Air Compressor, Welder, Generators, Conveyors

GROUP 6: Oiler and fire tender

ENGI0324-005 09/01/2015

AREA 1: GENESEE, LAPEER, LIVINGSTON, MACOMB, MONROE, OAKLAND, ST. CLAIR, WASHTENAW AND WAYNE COUNTIES

AREA 2: ALCONA, ALLEGAN, ALGER, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KWEENAW, LAKE, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, SANILAC, SCHOOLCRAFT, SHIAWASSEE, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

	Rates	Fringes
OPERATOR: Power Equipment (Underground construction (including sewer))		

AREA 1:		
GROUP 1	$ 31.43	21.85
GROUP 2	$ 26.45	21.85
GROUP 3	$ 25.72	21.85
GROUP 4	$ 25.15	21.85
AREA 2:		
GROUP 1	$ 29.47	21.85
GROUP 2	$ 24.58	21.85
GROUP 3	$ 24.08	21.85
GROUP 4	$ 23.80	21.85

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Backfiller tamper; Backhoe; Batch plant operator (concrete); Clamshell; Concrete paver (2 drums or larger); Conveyor loader (Euclid type); Crane (crawler, truck type or pile driving); Dozer; Dragline; Elevating grader; Endloader; Gradall (and similar type machine); Grader; Mechanic; Power shovel; Roller (asphalt); Scraper (self-propelled or tractor drawn); Side boom tractor (type D-4 or equivalent and larger); Slip form paver; Slope paver; Trencher (over 8 ft. digging capacity); Well drilling rig; Concrete pump with boom operator; Hydro Excavator

GROUP 2: Boom truck (power swing type boom); Crusher; Hoist; Pump (1 or more - 6-in. discharge or larger - gas or diesel- powered or powered by generator of 300 amperes or more - inclusive of generator); Side boom tractor (smaller than type D-4 or equivalent); Tractor (pneu-tired, other than backhoe or front end loader); Trencher (8-ft. digging capacity and smaller);Vac Truck

GROUP 3: Air compressors (600 cfm or larger); Air compressors (2 or more-less than 600 cfm); Boom truck (non-swinging, non- powered type boom); Concrete breaker (self-propelled or truck mounted - includes compressor); Concrete paver (1 drum-l/2 yd. or larger); Elevator (other than passenger); Maintenance person; Pump (2 or more-4-in. up to 6-in. discharge-gas or diesel powered - excluding submersible pumps); Pumpcrete machine (and similar equipment); Wagon drill (multiple); Welding machine or generator (2 or more-300 amp. or larger - gas or diesel powered)

GROUP 4: Boiler; Concrete saw (40 hp or over); Curing machine (self-propelled); Farm tractor (with attachment); Finishing machine (concrete); Fire person; Hydraulic pipe pushing machine; Mulching equipment; Oiler; Pumps (2 or more up to 4-in. discharge, if used 3 hours or more a day, gas or diesel powered - excluding submersible pumps); Roller (other than asphalt); Stump remover; Trencher (service);

Vibrating compaction equipment, self-propelled (6 ft. wide or over); End dump operator; Sweeper (Wayne type); Water wagon and Extend-a boom forklift

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ENGI0324-006 06/01/2015

AREA 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES
AREA 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

	Rates	Fringes
Power equipment operators: (AIRPORT, BRIDGE & HIGHWAY CONSTRUCTION)		
AREA 1		
GROUP 1	$ 31.16	22.35
GROUP 2	$ 24.43	22.35
GROUP 3	$ 25.73	22.35
GROUP 4	$ 23.87	22.35
GROUP 5	$ 23.70	22.35
AREA 2		
GROUP 1	$ 31.16	22.35
GROUP 2	$ 24.28	22.35
GROUP 3	$ 25.58	22.35
GROUP 4	$ 23.72	22.35
GROUP 5	$ 23.40	22.35

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Asphalt plant operator; Crane operator (does not include work on bridge construction projects when the crane operator is erecting structural components); Dragline operator; Shovel operator; Locomotive operator; Paver operator (5 bags or more); Elevating grader operator; Pile driving operator; Roller operator (asphalt); Blade grader operator; Trenching machine operator (ladder or wheel type); Auto-grader; Slip form paver; Self-propelled or

tractor-drawn scraper; Conveyor loader operator (Euclid type); Endloader operator (1 yd. capacity and over); Bulldozer; Hoisting engineer; Tractor operator; Finishing machine operator (asphalt); Mechanic; Pump operator (6-in. discharge or over, gas, diesel powered or generator of 300 amp. or larger); Shouldering or gravel distributing machine operator (self- propelled); Backhoe (with over 3/8 yd. bucket); Side boom tractor (type D-4 or equivalent or larger); Tube finisher (slip form paving); Gradall (and similar type machine); Asphalt paver (self- propelled); Asphalt planer (self-propelled); Batch plant (concrete-central mix); Slurry machine (asphalt); Concrete pump (3 in. and over); Roto-mill; Swinging boom truck (over 12 ton capacity); Hydro demolisher (water blaster); Farm-type tractor with attached pan

GROUP 2: Screening plant operator; Washing plant operator; Crusher operator; Backhoe (with 3/8 yd. bucket or less); Side boom tractor (smaller than D-4 type or equivalent); Sweeper (Wayne type and similar equipment); Vacuum truck operator; Batch plant (concrete dry batch)

GROUP 3: Grease Truck

GROUP 4: Air compressor operator (600 cu. ft. per min or more); Air compressor operator (two or more, less than 600 cfm); Wagon drill operator; Concrete breaker; Tractor operator (farm type with attachment)

GROUP 5: Boiler fire tender; Oiler; Fire tender; Trencher (service); Flexplane operator; Cleftplane operator; Grader operator (self-propelled fine-grade or form (concrete)); Finishing machine operator (concrete); Boom or winch hoist truck operator; Endloader operator (under 1 yd. capacity); Roller operator (other than asphalt); Curing equipment operator (self-propelled); Concrete saw operator (40 h.p. or over); Power bin operator; Plant drier operator (asphalt); Vibratory compaction equipment operator (6 ft. wide or over); Guard post driver operator (power driven); All mulching equipment; Stump remover; Concrete pump (under 3-in.); Mesh installer (self- propelled); Tractor operator (farm type); End dump; Skid steer

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ENGI0324-007 05/01/2015

ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES:

	Rates	Fringes
OPERATOR: Power Equipment (Steel Erection)		
Compressor, welder and forklift	$ 25.21	22.05
Crane operator, main boom & jib 120' or longer	$ 29.96	22.05
Crane operator, main boom & jib 140' or longer	$ 29.21	22.05
Crane operator, main boom & jib 220' or longer	$ 29.46	22.05
Mechanic with truck and tools	$ 29.96	22.05
Oiler and fireman	$ 23.91	22.05
Regular operator	$ 28.46	22.05

ENGI0324-008 10/01/2015

ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MACOMB, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MONROE, MUSKEGON, NEWAYGO, OAKLAND, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN, WASHTENAW, WAYNE AND WEXFORD COUNTIES

	Rates	Fringes
OPERATOR: Power Equipment (Sewer Relining)		
GROUP 1	$ 30.70	12.93
GROUP 2	$ 29.17	12.93

SEWER RELINING CLASSIFICATIONS

GROUP 1: Operation of audio-visual closed circuit TV system, including remote in-ground cutter and other equipment used in connection with the CCTV system

GROUP 2: Operation of hot water heaters and circulation systems, water jetters and vacuum and mechanical debris removal systems

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ENGI0325-012 05/01/2015

AREA 1: MACOMB, MONROE, OAKLAND, ST. CLAIR, WASHTENAW AND WAYNE COUNTIES

AREA 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

	Rates	Fringes
Power equipment operators - gas distribution and duct installation work:		
AREA 1		
GROUP 1	$ 28.73	22.30
GROUP 2	$ 28.60	22.30
GROUP 3	$ 27.48	22.30
GROUP 4	$ 26.90	22.30
AREA 2		
GROUP 1	$ 27.82	22.30
GROUP 2-A	$ 27.72	22.30
GROUP 2-B	$ 27.50	22.30
GROUP 3	$ 26.72	22.30
GROUP 4	$ 26.22	22.30

SCOPE OF WORK: The construction, installation, treating and reconditioning of pipelines transporting gas vapors within cities, towns, subdivisions, suburban areas, or within private property boundaries, up to and including private meter settings of private industrial, governmental or other premises, more commonly referred to as "distribution work," starting from the first metering station, connection, similar or related facility, of the main or cross country pipeline and including duct installation.

AREA 1:

GROUP 1: Backhoe, crane, grader, mechanic, dozer (D-6

equivalent or larger), side boom (D-4 equivalent or larger), trencher(except service), endloader (2 yd. capacity or greater).
GROUP 2: Dozer (less than D-6 equivalent), endloader (under 2 yd. capacity), side boom (under D-4 capacity), backfiller, pumps (1 or 2 of 6-inch discharge or greater), boom truck (with powered boom), tractor (wheel type other than backhoe or front endloader).

GROUP 3: Tamper (self-propelled), boom truck (with non-powered boom), concrete saw (20 hp or larger), pumps (2 to 4 under 6-inch discharge), compressor (2 or more or when one is used continuously into the second day) and trencher(service).

GROUP 4: Oiler, hydraulic pipe pushing machine, grease person and hydrostatic testing operator.

AREA 2:

GROUP 1: Mechanic, crane (over 1/2 yd. capacity), backhoe (over 1/2 yd. capacity), grader (Caterpillar 12 equivalent or larger)

GROUP 2-A: Trencher(except service), backhoe (1/2 yd. capacity or less)

GROUP 2-B: Crane (1/2 yd. capacity or less), compressor (2 or more), dozer (D-4 equivalent or larger), endloader (1 yd. capacity or larger), pump (1 or 2 six-inch or larger), side boom (D-4 equivalent or larger)

GROUP 3: Backfiller, boom truck (powered), concrete saw (20 hp or larger), dozer (less than D-4 equivalent), endloader (under 1 yd. capacity), farm tractor (with attachments), pump (2 - 4 under six-inch capacity), side boom tractor(less than D-4 equivalent), tamper (self-propelled), trencher service and grader maintenance

GROUP 4: Oiler, grease person and hydrostatic testing operator

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IRON0008-007 05/01/2015

ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES:

	Rates	Fringes

Ironworker - pre-engineered metal building erector	$ 23.70	6.95
IRONWORKER General contracts $10,000,000 or greater	$ 26.52	24.35
General contracts less than $10,000,000	$ 23.11	24.35

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

IRON0025-002 06/01/2015

ALCONA, ALPENA, ARENAC, BAY, CHEBOYGAN, CLARE, CLINTON, CRAWFORD, GENESEE, GLADWIN, GRATIOT, HURON, INGHAM, IOSCO, ISABELLA, JACKSON, LAPEER, LIVINGSTON, MACOMB, MIDLAND, MONTMORENCY, OAKLAND, OGEMAW, OSCODA, OTSEGO, PRESQUE ISLE, ROSCOMMON, SAGINAW, SANILAC, SHIAWASSEE, ST. CLAIR, TUSCOLA, WASHTENAW AND WAYNE COUNTIES:

	Rates	Fringes
Ironworker - pre-engineered metal building erector Alcona, Alpena, Arenac, Cheboygan, Clare, Clinton, Crawford, Gladwin, Gratiot, Huron, Ingham, Iosco, Isabella, Jackson, Lapeer, Livingston (west of Burkhardt Road), Montmorency, Ogemaw, Oscoda, Otsego, Presque Isle, Roscommon, Sanilac, Shiawassee, Tuscola & Washtenaw (west of U.S. 23)	$ 22.17	20.13
Bay, Genesee, Lapeer, Livingston (east of Burkhardt Road), Macomb, Midland, Oakland, Saginaw, St. Clair, The University of Michigan, Washtenaw (east of U.S. 23) & Wayne	$ 23.39	21.13
IRONWORKER Ornamental and Structural	$ 33.78	27.84
Reinforcing	$ 28.30	24.60

IRON0055-005 07/01/2013

SAMPLE

LENAWEE AND MONROE COUNTIES:

	Rates	Fringes
IRONWORKER		
Pre-engineered metal buildings	$ 23.59	19.35
All other work	$ 28.32	19.35

IRON0292-003 06/01/2015

BERRIEN AND CASS COUNTIES:

	Rates	Fringes
IRONWORKER (Including pre-engineered metal building erector)	$ 28.31	20.00

IRON0340-001 06/01/2015

ALLEGAN, ANTRIM, BARRY, BENZIE, BRANCH, CALHOUN, CHARLEVOIX, EATON, EMMET, GRAND TRAVERSE, HILLSDALE, IONIA, KALAMAZOO, KALKASKA, KENT, LAKE, LEELANAU, MANISTEE, MASON, MECOSTA, MISSAUKEE, MONTCALM, MUSKEGON, NEWAYGO, OCEANA, OSCEOLA, OTTAWA, ST. JOSEPH, VAN BUREN AND WEXFORD COUNTIES:

	Rates	Fringes
IRONWORKER (Including pre-engineered metal building erector)	$ 21.68	24.37

LABO0005-006 10/01/2014

	Rates	Fringes
Laborers - hazardous waste abatement: (ALCONA, ALPENA, ANTRIM, BENZIE, CHARLEVOIX, CHEBOYGAN, CRAWFORD, EMMET, GRAND TRAVERSE, IOSCO, KALKASKA, LEELANAU, MISSAUKEE, MONTMORENCY, OSCODA, OTSEGO, PRESQUE ISLE AND WEXFORD COUNTIES - Zone 10)		
Levels A, B or C	$ 17.45	12.75
Work performed in conjunction with site		

SAMPLE

preparation not requiring
the use of personal
protective equipment;
Also, Level D.....$ 16.45 12.75
Laborers - hazardous waste
abatement: (ALGER, BARAGA,
CHIPPEWA, DELTA, DICKINSON,
GOGEBIC, HOUGHTON, IRON,
KEWEENAW, LUCE, MACKINAC,
MARQUETTE, MENOMINEE,
ONTONAGON AND SCHOOLCRAFT
COUNTIES - Zone 11)
Levels A, B or C.....$ 20.91 12.78
Work performed in
conjunction with site
preparation not requiring
the use of personal
protective equipment;
Also, Level D.....$ 19.91 12.78
Laborers - hazardous waste
abatement: (ALLEGAN, BARRY,
BERRIEN, BRANCH, CALHOUN,
CASS, IONIA COUNTY (except
the city of Portland);
KALAMAZOO, KENT, LAKE,
MANISTEE, MASON, MECOSTA,
MONTCALM, MUSKEGON, NEWAYGO,
OCEANA, OSCEOLA, OTTAWA, ST.
JOSEPH AND VAN BUREN COUNTIES
- Zone 9)
Levels A, B or C.....$ 19.99 12.75
Work performed in
conjunction with site
preparation not requiring
the use of personal
protective equipment;
Also, Level D.....$ 18.99 12.75
Laborers - hazardous waste
abatement: (ARENAC, BAY,
CLARE, GLADWIN, GRATIOT,
HURON, ISABELLA, MIDLAND,
OGEMAW, ROSCOMMON, SAGINAW
AND TUSCOLA COUNTIES - Zone 8)
Levels A, B or C.....$ 20.02 12.75
Work performed in
conjunction with site
preparation not requiring
the use of personal
protective equipment;
Also, Level D.....$ 19.02 12.75
Laborers - hazardous waste

SAMPLE

abatement: (CLINTON, EATON AND INGHAM COUNTIES; IONIA COUNTY (City of Portland); LIVINGSTON COUNTY (west of Oak Grove Rd., including the City of Howell) - Zone 6)

Levels A, B or C.....$ 23.29 12.75

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;

Also, Level D.....$ 22.29 12.75

Laborers - hazardous waste abatement: (GENESEE, LAPEER AND SHIAWASSEE COUNTIES - Zone 7)

Levels A, B or C.....$ 23.40 12.79

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;

Also, Level D.....$ 22.40 12.79

Laborers - hazardous waste abatement: (HILLSDALE, JACKSON AND LENAWEE COUNTIES - Zone 4)

Levels A, B or C.....$ 30.00 14.09

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;

Also, Level D.....$ 29.00 14.09

Laborers - hazardous waste abatement: (LIVINGSTON COUNTY (east of Oak Grove Rd. and south of M-59, excluding the city of Howell); AND WASHTENAW COUNTY - Zone 3)

Levels A, B or C.....$ 29.32 13.85

Work performed in conjunction with site preparation not requiring the use of personal protective equipment;

Also, Level D.....$ 28.32 13.85

Laborers - hazardous waste abatement: (MACOMB AND WAYNE COUNTIES - Zone 1)

SAMPLE

Levels A, B or C.....$ 27.94 16.55
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 26.94 16.55
Laborers - hazardous waste abatement: (MONROE COUNTY - Zone 4)
Levels A, B or C.....$ 30.00 14.09
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 29.00 14.09
Laborers - hazardous waste abatement: (OAKLAND COUNTY and the Northeast portion of LIVINGSTON COUNTY bordered by Oak Grove Road on the West and M-59 on the South - Zone 2)
Level A, B, C.....$ 27.94 16.55
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 26.94 16.55
Laborers - hazardous waste abatement: (SANILAC AND ST. CLAIR COUNTIES - Zone 5)
Levels A, B or C.....$ 24.97 15.19
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;
Also, Level D.....$ 23.97 15.19

LABO0259-001 09/01/2015

AREA 1: MACOMB, OAKLAND AND WAYNE COUNTIES
AREA 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT,

SAMPLE

KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONROE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN, WASHTENAW AND WEXFORD COUNTIES

	Rates	Fringes
Laborers - tunnel, shaft and caisson:		
AREA 1		
GROUP 1	$ 21.57	16.68
GROUP 2	$ 21.68	16.68
GROUP 3	$ 21.74	16.68
GROUP 4	$ 21.92	16.68
GROUP 5	$ 22.17	16.68
GROUP 6	$ 22.50	16.68
GROUP 7	$ 15.78	16.68
AREA 2		
GROUP 1	$ 23.10	12.75
GROUP 2	$ 23.19	12.75
GROUP 3	$ 23.29	12.75
GROUP 4	$ 23.45	12.75
GROUP 5	$ 23.71	12.75
GROUP 6	$ 24.02	12.75
GROUP 7	$ 16.29	12.75

SCOPE OF WORK: Tunnel, shaft and caisson work of every type and description and all operations incidental thereto, including, but not limited to, shafts and tunnels for sewers, water, subways, transportation, diversion, sewerage, caverns, shelters, aquafers, reservoirs, missile silos and steel sheeting for underground construction.

TUNNEL LABORER CLASSIFICATIONS

GROUP 1: Tunnel, shaft and caisson laborer, dump, shanty, hog house tender, testing (on gas) and watchman

GROUP 2: Manhole, headwall, catch basin builder, bricklayer tender, mortar machine and material mixer

GROUP 3: Air tool operator (jackhammer, bush hammer and grinder), first bottom, second bottom, cage tender, car pusher, carrier, concrete, concrete form, concrete repair, cement invert laborer, cement finisher, concrete shoveler, conveyor, floor, gasoline and electric tool operator, gunite, grout operator, welder, heading dinky person,

SAMPLE

inside lock tender, pea gravel operator, pump, outside lock tender, scaffold, top signal person, switch person, track, tugger, utility person, vibrator, winch operator, pipe jacking, wagon drill and air track operator and concrete saw operator (under 40 h.p.)

GROUP 4: Tunnel, shaft and caisson mucker, bracer, liner plate, long haul dinky driver and well point

GROUP 5: Tunnel, shaft and caisson miner, drill runner, key board operator, power knife operator, reinforced steel or mesh (e.g. wire mesh, steel mats, dowel bars, etc.)

GROUP 6: Dynamite and powder

GROUP 7: Restoration laborer, seeding, sodding, planting, cutting, mulching and top soil grading; and the restoration of property such as replacing mailboxes, wood chips, planter boxes, flagstones, etc.

LABO0334-001 09/01/2015

	Rates	Fringes
Laborers - open cut:		
ZONE 1 - MACOMB, OAKLAND AND WAYNE COUNTIES:		
GROUP 1	$ 21.42	16.68
GROUP 2	$ 21.53	16.68
GROUP 3	$ 21.58	16.68
GROUP 4	$ 21.66	16.68
GROUP 5	$ 21.72	16.68
GROUP 6	$ 19.17	16.68
GROUP 7	$ 15.79	16.68
ZONE 2 - LIVINGSTON COUNTY (east of M-151 (Oak Grove Rd.)); MONROE AND WASHTENAW COUNTIES:		
GROUP 1	$ 22.75	12.75
GROUP 2	$ 22.86	12.75
GROUP 3	$ 22.98	12.75
GROUP 4	$ 23.05	12.75
GROUP 5	$ 23.20	12.75
GROUP 6	$ 20.50	12.75
GROUP 7	$ 17.14	12.75
ZONE 3 - CLINTON, EATON, GENESEE, HILLSDALE AND INGHAM COUNTIES; IONIA COUNTY (City of Portland); JACKSON, LAPEER AND		

SAMPLE

LENAWEE COUNTIES;
LIVINGSTON COUNTY (west of
M-151 Oak Grove Rd.);
SANILAC, ST. CLAIR AND
SHIAWASSEE COUNTIES:

GROUP 1	$ 20.94	12.75
GROUP 2	$ 21.08	12.75
GROUP 3	$ 21.20	12.75
GROUP 4	$ 21.25	12.75
GROUP 5	$ 21.39	12.75
GROUP 6	$ 18.69	12.75
GROUP 7	$ 15.84	12.75

ZONE 4 - ALCONA, ALLEGAN,
ALPENA, ANTRIM, ARENAC,
BARRY, BAY, BENZIE,
BERRIEN, BRANCH,
CALHOUN, CASS, CHARLEVOIX,
CHEBOYGAN, CLARE,
CRAWFORD, EMMET,
GLADWIN, GRAND TRAVERSE,
GRATIOT AND HURON
COUNTIES; IONIA COUNTY
(EXCEPT THE CITY OF
PORTLAND); IOSCO,
ISABELLA, KALAMAZOO,
KALKASKA, KENT,
LAKE,LEELANAU, MANISTEE,
MASON, MECOSTA, MIDLAND,
MISSAUKEE, MONTCALM,
MONTMORENCY, MUSKEGON,
NEWAYGO, OCEANA, OGEMAW,
OSCEOLA, OSCODA, OTSEGO,
OTTAWA, PRESQUE ISLE,
ROSCOMMON, SAGINAW, ST.
JOSEPH, TUSCOLA, VAN BUREN
AND WEXFORD COUNTIES:

GROUP 1	$ 19.95	12.75
GROUP 2	$ 20.08	12.75
GROUP 3	$ 20.19	12.75
GROUP 4	$ 20.26	12.75
GROUP 5	$ 20.38	12.75
GROUP 6	$ 17.60	12.75
GROUP 7	$ 15.94	12.75

ZONE 5 - ALGER, BARAGA,
CHIPPEWA, DELTA,
DICKINSON, GOGEBIC,
HOUGHTON, IRON,
KEWEENAW, LUCE, MACKINAC,
MARQUETTE, MENOMINEE,
ONTONAGON AND SCHOOLCRAFT
COUNTIES:

SAMPLE

GROUP 1	$ 20.26	12.75
GROUP 2	$ 20.40	12.75
GROUP 3	$ 20.53	12.75
GROUP 4	$ 20.58	12.75
GROUP 5	$ 20.63	12.75
GROUP 6	$ 18.01	12.75
GROUP 7	$ 16.12	12.75

SCOPE OF WORK:

Open cut construction work shall be construed to mean work which requires the excavation of earth including industrial, commercial and residential building site excavation and preparation, land balancing, demolition and removal of concrete and underground appurtenances, grading, paving, sewers, utilities and improvements; retention, oxidation, flocculation and irrigation facilities, and also including but not limited to underground piping, conduits, steel sheeting for underground construction, and all work incidental thereto, and general excavation. For all areas except the Upper Peninsula, open cut construction work shall also be construed to mean waterfront work, piers, docks, seawalls, breakwalls, marinas and all incidental work. Open cut construction work shall not include any structural modifications, alterations, additions and repairs to buildings, or highway work, including roads, streets, bridge construction and parking lots or steel erection work and excavation for the building itself and back filling inside of and within 5 ft. of the building and foundations, footings and piers for the building. Open cut construction work shall not include any work covered under Tunnel, Shaft and Caisson work.

OPEN CUT LABORER CLASSIFICATIONS

GROUP 1: Construction laborer

GROUP 2: Mortar and material mixer, concrete form person, signal person, well point person, manhole, headwall and catch basin builder, headwall, seawall, breakwall and dock builder

GROUP 3: Air, gasoline and electric tool operator, vibrator operator, driller, pump person, tar kettle operator, bracer, rodder, reinforced steel or mesh person (e.g., wire mesh, steel mats, dowel bars, etc.), welder, pipe jacking and boring person, wagon drill and air track operator and concrete saw operator (under 40 h.p.), windlass and tugger person and directional boring person

GROUP 4: Trench or excavating grade person

GROUP 5: Pipe layer (including crock, metal pipe, multi-plate or other conduits)

GROUP 6: Grouting man, audio-visual television operations and all other operations in connection with closed circuit television inspection, pipe cleaning and pipe relining work and the installation and repair of water service pipe and appurtenances

GROUP 7: Restoration laborer, seeding, sodding, planting, cutting, mulching and top soil grading; and the restoration of property such as replacing mailboxes, wood chips, planter boxes, flagstones, etc.

LABO0465-001 06/01/2015

LABORER: Highway, Bridge and Airport Construction

AREA 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES

AREA 2: ALLEGAN, BARRY, BAY, BERRIEN, BRANCH, CALHOUN, CASS, CLINTON, EATON, GRATIOT, HILLSDALE, HURON, INGHAM, JACKSON, KALAMAZOO, LAPEER, LENAWEE, LIVINGSTON, MIDLAND, MUSKEGON, SAGINAW, SANILAC, SHIAWASSEE, ST. CLAIR, ST. JOSEPH, TUSCOLA AND VAN BUREN COUNTIES

AREA 3: ALCONA, ALPENA, ANTRIM, ARENAC, BENZIE, CHARLEVOIX, CHEBOYGAN, CLARE, CRAWFORD, EMMET, GLADWIN, GRAND TRAVERSE, IONIA, IOSCO, ISABELLA, KALKASKA, KENT, LAKE, LEELANAU, MANISTEE, MASON, MECOSTA, MISSAUKEE, MONTCALM, MONTMORENCY, NEWAYGO, OCEANA, OGEMAW, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON AND WEXFORD COUNTIES

AREA 4: ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC, MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES

	Rates	Fringes
LABORER (AREA 1)		
GROUP 1	$ 25.06	13.00
GROUP 2	$ 25.19	13.00
GROUP 3	$ 25.37	13.00
GROUP 4	$ 25.45	13.00
GROUP 5	$ 25.66	13.00
GROUP 6	$ 25.96	13.00
LABORER (AREA 2)		

GROUP 1	$ 23.06	12.95
GROUP 2	$ 23.26	12.95
GROUP 3	$ 23.50	12.95
GROUP 4	$ 23.85	12.95
GROUP 5	$ 23.72	12.95
GROUP 6	$ 24.06	12.95
LABORER (AREA 3)		
GROUP 1	$ 22.31	12.95
GROUP 2	$ 22.52	12.95
GROUP 3	$ 22.81	12.95
GROUP 4	$ 23.25	12.95
GROUP 5	$ 22.87	12.95
GROUP 6	$ 23.30	12.95
LABORER (AREA 4)		
GROUP 1	$ 22.31	12.95
GROUP 2	$ 22.52	12.95
GROUP 3	$ 22.81	12.95
GROUP 4	$ 23.25	12.95
GROUP 5	$ 22.87	12.95
GROUP 6	$ 23.30	12.95

LABORER CLASSIFICATIONS

GROUP 1: Asphalt shoveler or loader; asphalt plant misc.; burlap person; yard person; dumper (wagon, truck, etc.); joint filling laborer; miscellaneous laborer; unskilled laborer; sprinkler laborer; form setting laborer; form stripper; pavement reinforcing; handling and placing (e.g., wire mesh, steel mats, dowel bars); mason's tender or bricklayer's tender on manholes; manhole builder; headwalls, etc.; waterproofing,(other than buildings) seal coating and slurry mix, shoring, underpinning; pressure grouting; bridge pin and hanger removal; material recycling laborer; horizontal paver laborer (brick, concrete, clay, stone and asphalt); ground stabilization and modification laborer; grouting; waterblasting; top person; railroad track and trestle laborer; carpenters' tender; guard rail builders' tender; earth retention barrier and wall and M.S.E. wall installer's tender; highway and median installer's tender(including sound, retaining, and crash barriers); fence erector's tender; asphalt raker tender; sign installer; remote control operated equipment.

GROUP 2: Mixer operator (less than 5 sacks); air or electric tool operator (jackhammer, etc.); spreader; boxperson (asphalt, stone, gravel); concrete paddler; power chain saw operator; paving batch truck dumper; tunnel mucker (highway work only); concrete saw (under 40 h.p.) and dry pack machine; roto-mill grounds person.

GROUP 3: Tunnel miner (highway work only); finishers tenders;

guard rail builders; highway and median barrier installer; earth retention barrier and wall and M.S.E. wall installer's (including sound, retaining and crash barriers); fence erector; bottom person; powder person; wagon drill and air track operator; diamond and core drills; grade checker; certified welders; curb and side rail setter's tender.

GROUP 4: Asphalt raker

GROUP 5: Pipe layers, oxy-gun

GROUP 6: Line-form setter for curb or pavement; asphalt screed checker/screw man on asphalt paving machines.

LABO1076-005 04/01/2015

MICHIGAN STATEWIDE

	Rates	Fringes
LABORER (DISTRIBUTION WORK)		
Zone 1	$ 19.77	12.75
Zone 2	$ 18.15	12.75
Zone 3	$ 16.38	12.75
Zone 4	$ 15.75	12.75
Zone 5	$ 15.75	12.75

DISTRIBUTION WORK - The construction, installation, treating and reconditioning of distribution pipelines transporting coal, oil, gas or other similar materials, vapors or liquids, including pipelines within private property boundaries, up to and including the meter settings on residential, commercial, industrial, institutional, private and public structures. All work covering pumping stations and tank farms not covered by the Building Trades Agreement. Other distribution lines with the exception of sewer, water and cable television are included.

Underground Duct Layer Pay: $.40 per hour above the base pay rate.

Zone 1 - Macomb, Oakland and Wayne
Zone 2 - Monroe and Washtenaw
Zone 3 - Bay, Genesee, Lapeer, Midland, Saginaw, Sanilac, Shiawassee and St. Clair
Zone 4 - Alger, Baraga, Chippewa, Delta, Dickinson, Gogebic, Houghton, Iron, Keweenaw, Luce, Mackinac, Marquette, Menominee, Ontonagon and Schoolcraft
Zone 5 - Remaining Counties in Michigan

PAIN0022-002 07/01/2008

HILLSDALE, JACKSON AND LENAWEE COUNTIES; LIVINGSTON COUNTY (east of the eastern city limits of Howell, not including the city of Howell, north to the Genesee County line and south to the Washtenaw County line); MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES:

	Rates	Fringes
PAINTER	$ 25.06	14.75

FOOTNOTES: For all spray work and journeyman rigging for spray work, also blowing off, $0.80 per hour additional (applies only to workers doing rigging for spray work on off the floor work. Does not include setting up or moving rigging on floor surfaces, nor does it apply to workers engaged in covering up or tending spray equipment. For all sandblasting and spray work performed on highway bridges, overpasses, tanks or steel, $0.80 per hour additional. For all brushing, cleaning and other preparatory work (other than spraying or steeplejack work) at scaffold heights of fifty (50) feet from the ground or higher, $0.50 per hour additional. For all preparatorial work and painting performed on open steel under forty (40) feet when no scaffolding is involved, $0.50 per hour additional. For all swing stage work-window jacks and window belts-exterior and interior, $0.50 per hour additional. For all spray work and sandblaster work to a scaffold height of forty (40) feet above the floor level, $0.80 per hour additional. For all preparatorial work and painting on all highway bridges or overpasses up to forty (40) feet in height, $0.50 per hour additional. For all steeplejack work performed where the elevation is forty (40) feet or more, $1.25 per hour additional.

PAIN0312-001 06/12/2014

EXCLUDES: ALLEGAN COUNTY (Townships of Dorr, Fillmore, Heath, Hopkins, Laketown, Leighton, Manlius, Monterey, Overisel, Salem, Saugatuck and Wayland); INCLUDES: Barry, Berrien, Branch, Calhoun, Cass, Hillsdale, Kalamazoo, St. Joseph, Van Buren

	Rates	Fringes

PAINTER
Brush and roller.....$ 21.75 11.94
Spray, Sandblast, Sign
Painting.....$ 22.75 11.94

PAIN0845-003 05/21/2014

CLINTON COUNTY; EATON COUNTY (does not include the townships of Bellevue and Olivet); INGHAM COUNTY; IONIA COUNTY (east of Hwy. M 66); LIVINGSTON COUNTY (west of the eastern city limits of Howell, including the city of Howell, north to the Genesee County line and south to the Washtenaw County line); AND SHIAWASSEE COUNTY (Townships of Bennington, Laingsbury and Perry):

	Rates	Fringes
PAINTER	$ 21.89	11.85

PAIN0845-015 05/21/2014

MUSKEGON COUNTY; NEWAYGO COUNTY (except the Townships of Barton, Big Prairie, Brooks, Croton, Ensley, Everett, Goodwell, Grant, Home, Monroe, Norwich and Wilcox); OCEANA COUNTY; OTTAWA COUNTY (except the townships of Allendale, Blendone, Chester, Georgetown, Holland, Jamestown, Olive, Park, Polkton, Port Sheldon, Tallmadge, Wright and Zeeland):

	Rates	Fringes
PAINTER	$ 21.89	11.85

PAIN0845-018 05/21/2014

ALLEGAN COUNTY (Townships of Dorr, Fillmore, Heath, Hopkins, Laketown, Leighton, Manlius, Monterey, Overisel, Salem, Saugatuck and Wayland); IONIA COUNTY (west of Hwy. M-66); KENT, MECOSTA AND MONTCALM COUNTIES; NEWAYGO COUNTY (Townships of Barton, Big Prairie, Brooks, Croton, Ensley, Everett, Goodwell, Grant, Home, Monroe, Norwich and Wilcox); OSCEOLA COUNTY (south of Hwy. #10); OTTAWA COUNTY (Townships of Allendale, Blendone, Chester, Georgetown, Holland, Jamestown, Olive, Park, Polkton, Port Sheldon, Tallmadge, Wright and Zeeland):

	Rates	Fringes
PAINTER	$ 21.89	11.85

CANCEL

FOOTNOTES: Lead abatement work: $1.00 per hour additional.

PAIN1011-003 06/05/2014

ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC, MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES:

	Rates	Fringes
PAINTER	$ 24.15	10.52

FOOTNOTES: High pay (bridges, overpasses, watertower): 30 to 80 ft.: $.65 per hour additional. 80 ft. and over: $1.30 per hour additional.

PAIN1474-002 06/01/2010

HURON COUNTY; LAPEER COUNTY (east of Hwy. M-53); ST. CLAIR, SANILAC AND TUSCOLA COUNTIES:

	Rates	Fringes
PAINTER	$ 23.79	12.02

FOOTNOTES: Lead abatement work: $1.00 per hour additional. Work with any hazardous material: $1.00 per hour additional. Sandblasting, steam cleaning and acid cleaning: $1.00 per hour additional. Ladder work at or above 40 ft., scaffold work at or above 40 ft., swing stage, boatswain chair, window jacks and all work performed over a falling height of 40 ft.: $1.00 per hour additional. Spray gun work, pick pullers and those handling needles, blowing off by air pressure, and any person rigging (setting up and moving off the ground): $1.00 per hour additional. Steeplejack, tanks, gas holders, stacks, flag poles, radio towers and beacons, power line towers, bridges, etc.: $1.00 per hour additional, paid from the ground up.

PAIN1803-003 12/01/2015

ALCONA, ALPENA, ANTRIM, ARENAC, BAY, BENZIE, CHARLEVOIX, CHEBOYGAN, CLARE, CRAWFORD, EMMET, GLADWIN, GRAND TRAVERSE, GRATIOT, IOSCO, ISABELLA, KALKASKA, LAKE, LEELANAU, MANISTEE, MASON, MIDLAND, MISSAUKEE, MONTMORENCY AND OGEMAW COUNTIES; OSCEOLA COUNTY (north of Hwy. #10); OSCODA, OTSEGO, PRESQUE ISLE, ROSCOMMON, SAGINAW AND WEXFORD COUNTIES:

	Rates	Fringes
PAINTER		
Work performed on water, bridges over water or moving traffic, radio and powerline towers, elevated tanks, steeples, smoke stacks over 40 ft. of falling heights, recovery of lead-based paints and any work associated with industrial plants, except maintenance of industrial		
plants	$ 24.50	13.25
All other work, including maintenance of industrial		
plant	$ 23.08	13.25

FOOTNOTES: Spray painting, sandblasting, blowdown associated with spraying and blasting, water blasting and work involving a swing stage, boatswain chair or spider: $1.00 per hour additional. All work performed inside tanks, vessels, tank trailers, railroad cars, sewers, smoke stacks, boilers or other spaces having limited egress not including buildings, opentop tanks, pits, etc.: $1.25 per hour additional.

PLAS0514-001 06/01/2014

ZONE 1: GENESEE, LIVINGSTON, MACOMB, MONROE, OAKLAND, SAGINAW, WASHTENAW AND WAYNE COUNTIES

ZONE 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SANILAC, SCHOOLCRAFT, SHIAWASSEE, ST. CLAIR, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

SAMPLE

BID #6881 Main Street Sidewalk Improvements – Northfield Township

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
ZONE 1	$ 29.59	12.59
ZONE 2	$ 28.29	12.59

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* PLUM0190-003 05/01/2015

ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MACOMB, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MONROE, MUSKEGON, NEWAYGO, OAKLAND, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN, WASHTENAW, WAYNE AND WEXFORD COUNTIES

	Rates	Fringes
Plumber/Pipefitter - gas distribution pipeline: Welding in conjunction with gas distribution		
pipeline work	$ 33.03	20.19
All other work:	$ 24.19	12.28

TEAM0007-004 06/01/2015

AREA 1: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, SANILAC, SCHOOLCRAFT, SHIAWASSEE, ST. CLAIR, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

AREA 2: GENESEE, LIVINGSTON, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES

	Rates	Fringes
TRUCK DRIVER		
AREA 1		
Euclids, double bottoms and lowboys	$ 25.05	.50 + a+b
Trucks under 8 cu. yds.	$ 24.80	.50 + a+b
Trucks, 8 cu. yds. and over	$ 24.90	.50 + a+b
AREA 2		
Euclids, double bottomms and lowboys	$ 24.895	.50 + a+b
Euclids, double bottoms and lowboys	$ 25.15	.50 + a+b
Trucks under 8 cu. yds.	$ 24.90	.50 + a+b
Trucks, 8 cu. yds. and over	$ 25.00	.50 + a+b

Footnote:
a. $419.45 per week
b. $59.50 daily

TEAM0247-004 06/01/2004

AREA 1: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SANILAC, SCHOOLCRAFT, SHIAWASSEE, SAGINAW, ST. CLAIR, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

AREA 2: GENESEE, LIVINGSTON, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES

	Rates	Fringes
Sign Installer		
AREA 1		
GROUP 1	$ 20.18	.15 + a
GROUP 2	$ 19.93	.15 + a
AREA 2		
GROUP 1	$ 21.73	.15 + a
GROUP 2	$ 21.48	.15 + a

FOOTNOTE:

a. $132.70 per week, plus $17.80 per day.

SIGN INSTALLER CLASSIFICATIONS:

GROUP 1: performs all necessary labor and uses all tools required to construct and set concrete forms required in the installation of highway and street signs

GROUP 2: performs all miscellaneous labor, uses all hand and power tools, and operates all other equipment, mobile or otherwise, required for the installation of highway and street signs

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TEAM0247-010 04/01/2015

AREA 1: LAPEER AND SHIAWASSEE COUNTIES

AREA 2: GENESEE, MACOMB, MONROE, OAKLAND, ST. CLAIR, WASHTENAW AND WAYNE COUNTIES

	Rates	Fringes
TRUCK DRIVER (Underground construction)		
AREA 1		
GROUP 1	$ 22.37	405.90/wk+59.50/day
GROUP 2	$ 22.46	405.90/wk+59.50/day
GROUP 3	$ 22.67	405.90/wk+59.50/day
AREA 2		
GROUP 1	$ 22.67	405.90/wk+59.50/day
GROUP 2	$ 22.81	405.90/wk+59.50/day
GROUP 3	$ 23.00	405.90/wk+59.50/day

PAID HOLIDAYS: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

SCOPE OF WORK: Excavation, site preparation, land balancing, grading, sewers, utilities and improvements; also including but not limited to, tunnels, underground piping, retention, oxidation, flocculation facilities, conduits, general excavation and steel sheeting for underground construction. Underground construction work shall not include any structural modifications, alterations, additions and repairs to buildings or highway work, including roads, streets, bridge construction and parking lots or steel erection.

SAMPLE

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Truck driver on all trucks (EXCEPT dump trucks of 8 cubic yards capacity or over, pole trailers, semis, low boys, Euclid, double bottom and fuel trucks)

GROUP 2: Truck driver on dump trucks of 8 cubic yards capacity or over, pole trailers, semis and fuel trucks

GROUP 3: Truck driver on low boy, Euclid and double bottom

SUMI2002-001 05/01/2002

	Rates	Fringes
Flag Person	$ 10.10	0.00
LINE PROTECTOR (ZONE 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE)	$ 18.98	12.17
LINE PROTECTOR (ZONE 2: STATEWIDE (EXCLUDING GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE)	$ 17.14	12.17
Pavement Marking Machine (ZONE 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES) Group 1	$ 24.89	12.17
Pavement Marking Machine (ZONE 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE) Group 2	$ 22.40	12.17
Pavement Marking Machine (ZONE 2: STATEWIDE (EXCLUDING GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES) Group 1	$ 22.89	12.17
Pavement Marking Machine (ZONE 2: STATEWIDE (EXCLUDING GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE)		

SAMPLE

Group 2.....$ 20.60 12.17

WORK CLASSIFICATIONS:

PAVEMENT MARKER GROUP 1: Drives or operates a truck mounted striper, grinder, blaster, groover, or thermoplastic melter for the placement or removal of temporary or permanent pavement markings or markers.

PAVEMENT MARKER GROUP 2: Performs all functions involved for the placement or removal of temporary or permanent pavement markings or markers not covered by the classification of Pavement Marker Group 1 or Line Protector.

LINE PROTECTOR: Performs all operations for the protection or removal of temporary or permanent pavement markings or markers in a moving convoy operation not performed by the classification of Pavement Marker Group 1. A moving convoy operation is comprised of only Pavement Markers Group 1 and Line Protectors.

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

==========

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or

SAMPLE

"UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is

based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an

interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

SAMPLE

SIGNATURE PAGE

Signature	Company Name
Print Name	Company Address
Title	City, County, St. Zip
Office Telephone #	Cell Phone #
Federal Tax ID #	Email Address for Purchase Orders

The above individual is authorized to sign on behalf of company submitting proposal.

Proposals must be signed by an official authorized to bind the provider to its provisions for at least a period of 90 days. Signature page must be signed, boxes checked below, and returned as part of vendor proposal.

☐ By signing this bid submission, I certify that I and/or my corporation, company, limited liability company, business association, partnership, society, trust or any other non-governmental entity, organization or group is not an "Iran linked business" as defined by P.A. 517 of 2012 (MCLA 129.311 et seq)("Act").

I understand that under the Act, an "Iran linked business means an individual or one of the above-listed groups who engages in investment activities in the energy sector of Iran, including, but not limited to, providing oil or liquefied natural gas tankers or products used to construct or maintain pipelines used to transport oil or liquefied gas for Iran's energy sector or a financial institution extending credit to another person to engage in investment activities in Iran's energy sector.

I further understand that "investment activity" is defined by the Act as an individual or one of the above listed groups that invests $20,000,000.00 or more in Iran's energy sector or a financial institution that extends credit to another person, if that person uses the credit to engage in "investment activity" in Iran's energy sector.

SAMPLE

Howard Fink

From: Jacob Rushlow [jacob.rushlow@ohm-advisors.com]
Sent: Monday, June 13, 2016 10:11 AM
To: Nathan Voght; Angela Perry
Cc: Howard Fink
Subject: RE: WCRC Permit Application

Thanks Nathan. Yes, I can update the permit info in our instructions to bidders document. We are going through the final QAQC comments and will have an update for you later today. If the files are too large for e-mail I may upload them to our FTP server and will send you a link to download them.

Jacob

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Monday, June 13, 2016 10:06 AM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com>; Angela Perry <perrya@ewashtenaw.org>
Cc: Howard Fink <finkh@twp.northfield.mi.us>
Subject: RE: WCRC Permit Application

Angela and Jacob,

Attached is the final draft of the RFP. I've inserted all dates, as we've discussed. Please review this so we can finalize it. I am trying to get updated "Wage Determinations" t insert.

Jacob, please email me all attached documents that I'll need to attach to the RFP, once you've updated with the contractor info, below.

Here is what you need to include in the contractor's info related to WCRC and SESC:

WCRC Permit Requirements:

A letter from the County stating they will retain at least 10% of contract amount and only make final payment once WCRC has approved the work An inspection fee of 3% of the work within the ROW, or a minimum of $500 An application fee of $100

SESC Permit Requirements:

$500 permit fee
$2,000 Performance Guarantee in the form of Cash, Check, or Letter of Credit from a bank.

Can you update your contractor info, accordingly?

Nathan

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Monday, June 13, 2016 9:20 AM
To: Nathan Voght
Cc: Howard Fink
Subject: RE: WCRC Permit Application

Hi Nathan. Yes, someone from the County should attend the pre-bid meeting. I would suggest 10:00 AM for Wed 6/22 pre-bid.

We also need to set a time for the Mon. 7/11 bids due. Does the County have a standard time? The draft RFP had 3:00 PM as a place holder and I am good with that time if everyone else is also good.

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Monday, June 13, 2016 8:48 AM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com<mailto:jacob.rushlow@ohm-advisors.com>>
Cc: Howard Fink <finkh@twp.northfield.mi.us<mailto:finkh@twp.northfield.mi.us>>
Subject: RE: WCRC Permit Application

Jacob,

I'm fine with your tweaks to the timeline. We just need to know from Howard what time is good to hold the mandatory pre-bid mtg. at the Township Hall (Howard?). I am out at a conference on Wed. June 22nd, but I can probably get someone from my office to attend. (I'm assuming you need someone from the County?)

So, here is what it would be:

Tues, June 14th at NOON - Get final PDF of RFP to Angela for her final review Thurs. June 16th - County Purchasing releases RFP on Mitten, Mlive online and in print edition Wed. June 22nd - Mandatory Pre-Bid Meeting is held in Northfield Twp. Hall TIME?
Thurs. June 30th - Answers to any contractor questions that were not answered at mandatory pre-bid meeting are sent to only attendees of mandatory mtg.
Mon. July 11th - BIDS DUE

Regarding your other questions, let's say the following:

Award Contract - July 18th
Contract Executed - July 27th
Notice to Proceed - Aug. 1st
Construction Start - Aug. 8th
Construction End - Sept. 2nd

Please let me know if the above looks good.

Thx,

Nathan

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Friday, June 10, 2016 10:52 AM
To: Nathan Voght
Cc: Howard Fink
Subject: RE: WCRC Permit Application

Nathan, here is a follow up question to these dates. If the bid opening in on Mon 7/11 when would you anticipate awarding the contract and a notice to proceed? Our supplemental instructions to bidders includes the anticipated award date, notice to proceed, construction start, and construction end.

From: Jacob Rushlow
Sent: Friday, June 10, 2016 10:26 AM
To: 'Nathan Voght' <voghtn@ewashtenaw.org<mailto:voghtn@ewashtenaw.org>>
Cc: Howard Fink <finkh@twp.northfield.mi.us<mailto:finkh@twp.northfield.mi.us>>
Subject: RE: WCRC Permit Application

Nathan,

I think this schedule looks good with the following slight modifications…

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Friday, June 10, 2016 10:20 AM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com<mailto:jacob.rushlow@ohm-advisors.com>>
Cc: Howard Fink <finkh@twp.northfield.mi.us<mailto:finkh@twp.northfield.mi.us>>
Subject: RE: WCRC Permit Application

Jacob,

Here are the dates we should hit, after talking to Angela:

Tues, June 14th at NOON - Get final PDF of RFP to Angela for her final review Thurs. June 16th – County Purchasing releases RFP on Mitten, Mlive online and in print edition Thurs. June 22nd – Mandatory Pre-Bid Meeting is held in Northfield Twp. Hall Thurs. July 30th – Answers to any contractor questions that were not answered at mandatory pre-bid meeting are sent to only attendees of mandatory mtg.
Mon. July 11th – BIDS DUE

What do you think? If you're in agreement, I'll modify the RFP with all those dates.

I've called Gary Streight one more time to confirm our WCRC questions…

Thx

Nathan

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Thursday, June 09, 2016 5:35 PM
To: Nathan Voght
Cc: Howard Fink
Subject: WCRC Permit Application

Nathan,

As discussed in our meeting this afternoon I am providing you with a completed permit application for submittal to the Washtenaw County road Commission along with a cover letter. You only need to print off page 3 of the application PDF. There is actually no signature needed on this application (unlike the WCWRC SESC permit). Just print Page 3 and the cover letter and submit those with the set of plans.

When you submit both permits please let me know what each agency says about a permit/bond/inspection fee requirements so we can include that information in out instructions to bidders for the contractor's information.

Let me know if you have any questions with this. Thanks.

JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

T 734.522.6711

F 734.522.6427
D 734.466.4517
C 734.812.7154

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Howard Fink

From: Jacob Rushlow [jacob.rushlow@ohm-advisors.com]
Sent: Wednesday, June 15, 2016 4:17 PM
To: Nathan Voght; Angela Perry
Cc: Howard Fink
Subject: RE: Northfield Main Street Specs

Looks good to me. Thanks Nathan.

Once this is posted to MITN our next step is to prepare a few items for the pre-bid meeting on 6/22. I will have a set of the bid documents (plans and specs). I will also bring a sign-in sheet and copies of an agenda.

We are also drafting the construction engineering proposal and will have that over to you in the next few days.

Jacob

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Wednesday, June 15, 2016 9:47 AM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com>; Angela Perry <perrya@ewashtenaw.org>
Cc: Howard Fink <finkh@twp.northfield.mi.us>
Subject: RE: Northfield Main Street Specs

Ignore previous link. I needed to add pg. numbers.

This is the FINAL!

https://drive.google.com/file/d/0BxcjjJf1zBKRaTM5bU9iTFk5OU0/view?usp=sharing

Nathan

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, June 14, 2016 2:15 PM
To: Angela Perry; Nathan Voght
Cc: Howard Fink
Subject: RE: Northfield Main Street Specs

Thanks Nathan. I looked over the final draft PDF and have a couple small revisions for your consideration.

On the Bid Form under Item #18 please change from "RRFB Assembly" to "Solar Power RRFB Assembly (Two-Way), Complete"

In the last section of the spec documents it looks like the MDOT Special Provision for Rectangular Rapid Flashing Beacon was inserted twice into the document and one of those (4 page set) can be removed.

Jacob

From: Angela Perry [mailto:perrya@ewashtenaw.org]
Sent: Tuesday, June 14, 2016 1:49 PM
To: Nathan Voght <voghtn@ewashtenaw.org<mailto:voghtn@ewashtenaw.org>>; Jacob Rushlow <jacob.rushlow@ohm-advisors.com<mailto:jacob.rushlow@ohm-advisors.com>>
Cc: Howard Fink <finkh@twp.northfield.mi.us<mailto:finkh@twp.northfield.mi.us>>
Subject: RE: Northfield Main Street Specs

Hi Nathan,

I just left you a voice mail as there are just a few minor edits I know I'll need you to make already.

But on page 2, the issue date needs to say June 16th, 2016. And page numbers should probably be added to the entire document too.

The bottom of page one is at the top of page 2, so I'll need you to adjust that.

I am looking at it now and if I see anything else I'll get back to you….thanks…

Angela

From: Nathan Voght
Sent: Tuesday, June 14, 2016 1:37 PM
To: 'Jacob Rushlow'
Cc: Angela Perry; Howard Fink
Subject: RE: Northfield Main Street Specs

Here is the final PDF of the RFP:

https://drive.google.com/file/d/0BxcjjJf1zBKRMm5lTDBpZEhZb2M/view?usp=sharing

Please make a final review, thx.! It should be ready to go, though.

Nathan

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Monday, June 13, 2016 5:31 PM
To: Nathan Voght
Cc: Angela Perry; Howard Fink
Subject: Northfield Main Street Specs

Nathan,

We completed the plan and spec updates and sent them through our FTP server where you can download the files. Let me know if you have any issues with those.

For preparing the RFP using our construction specifications I would recommend organizing the document in this order:
WCCED RFP
Supplemental Instructions to Bidders (SIB) General Specifications Technical Specifications (DV, EA, R, ST) Supplemental Specifications (SS) Method of Payment (MOP) Appendix A - Geotechnical Report Appendix B - MDOT Standard Plans and Special Details Appendix C - MDOT Special Provision for RRFB

I also have an updated bid form to insert into the final RFP document (few quantities were modified). If you can send me a final version in the morning once you addressed the section on completion dates I can insert the final bid form.

JACOB A. Rushlow, PE
PROJECT MANAGER

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JACOB A. Rushlow, PE
PROJECT MANAGER

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Howard Fink

From: Nathan Voght [voghtn@ewashtenaw.org]
Sent: Wednesday, June 15, 2016 9:39 AM
To: 'Jacob Rushlow'; Angela Perry
Cc: Howard Fink
Subject: RE: Northfield Main Street Specs

Here is the final RFP, with all changes made. (follow link)

I've got a meeting at 10a.m., so hopefully this is it!

Nathan

https://drive.google.com/file/d/0BxcjjJf1zBKRY0tvQ1hoTk5la2c/view?usp=sharing

---

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But on page 2, the issue date needs to say June 16th, 2016. And page numbers should probably be added to the entire document too.

The bottom of page one is at the top of page 2, so I'll need you to adjust that.

I am looking at it now and if I see anything else I'll get back to you....thanks...

Angela

From: Nathan Voght
Sent: Tuesday, June 14, 2016 1:37 PM
To: 'Jacob Rushlow'
Cc: Angela Perry; Howard Fink
Subject: RE: Northfield Main Street Specs

Here is the final PDF of the RFP:

https://drive.google.com/file/d/0BxcjjJf1zBKRMm5lTDBpZEhZb2M/view?usp=sharing

Please make a final review, thx.! It should be ready to go, though.

Nathan

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Monday, June 13, 2016 5:31 PM
To: Nathan Voght
Cc: Angela Perry; Howard Fink
Subject: Northfield Main Street Specs

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JACOB A. Rushlow, PE
PROJECT MANAGER

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Howard Fink

From: Nathan Voght [voghtn@ewashtenaw.org]
Sent: Tuesday, June 14, 2016 3:40 PM
To: Jacob Rushlow; Angela Perry
Cc: Howard Fink
Subject: RE: Northfield Main Street Specs

I can make these edits at 9 or 915 tomorrow morning. I'm out until then.

Sent from my Verizon Wireless 4G LTE smartphone

-------- Original message --------
From: Jacob Rushlow <jacob.rushlow@ohm-advisors.com>
Date: 06/14/2016 2:14 PM (GMT-05:00)
To: Angela Perry <perrya@ewashtenaw.org>, Nathan Voght <voghtn@ewashtenaw.org>
Cc: Howard Fink <finkh@twp.northfield.mi.us>
Subject: RE: Northfield Main Street Specs

Thanks Nathan. I looked over the final draft PDF and have a couple small revisions for your consideration.

On the Bid Form under Item #18 please change from "RRFB Assembly" to "Solar Power RRFB Assembly (Two-Way), Complete"

In the last section of the spec documents it looks like the MDOT Special Provision for Rectangular Rapid Flashing Beacon was inserted twice into the document and one of those (4 page set) can be removed.

Jacob

From: Angela Perry [mailto:perrya@ewashtenaw.org]
Sent: Tuesday, June 14, 2016 1:49 PM
To: Nathan Voght <voghtn@ewashtenaw.org>; Jacob Rushlow <jacob.rushlow@ohm-advisors.com>
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Howard Fink

From: Jacob Rushlow [jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, June 14, 2016 2:15 PM
To: Angela Perry; Nathan Voght
Cc: Howard Fink
Subject: RE: Northfield Main Street Specs

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Howard Fink

From: Jacob Rushlow [jacob.rushlow@ohm-advisors.com]
Sent: Monday, June 13, 2016 4:31 PM
To: Nathan Voght; Angela Perry
Cc: Howard Fink
Subject: RE: WCRC Permit Application

Thanks Nathan. I am pulling together our final draft documents and will send those over to you.

I did have a comment on the RFP:
In Attachment A under Project Timeline I would recommend we set the substantial completion as 9/2 and make a final project completion as 9/30. This will get all construction items complete before school starts and still give the contractor enough construction time to properly cure the concrete. The time between 9/2 and 9/30 will allow us to make sure they have all punch list items addressed and the restored turf has established growth.

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Monday, June 13, 2016 11:45 AM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com>; Angela Perry <perrya@ewashtenaw.org>
Cc: Howard Fink <finkh@twp.northfield.mi.us>
Subject: RE: WCRC Permit Application

Please see UPDATED final draft of RFP. I inserted UPDATED Wage Determination information.

Disregard the earlier one…

Nathan

From: Nathan Voght
Sent: Monday, June 13, 2016 10:06 AM
To: 'Jacob Rushlow'; Angela Perry
Cc: Howard Fink
Subject: RE: WCRC Permit Application

Angela and Jacob,

Attached is the final draft of the RFP. I've inserted all dates, as we've discussed. Please review this so we can finalize it. I am trying to get updated "Wage Determinations" t insert.

Jacob, please email me all attached documents that I'll need to attach to the RFP, once you've updated with the contractor info, below.

Here is what you need to include in the contractor's info related to WCRC and SESC:

WCRC Permit Requirements:

A letter from the County stating they will retain at least 10% of contract amount and only make final payment once WCRC has approved the work An inspection fee of 3% of the work within the ROW, or a minimum of $500 An application fee of $100

SESC Permit Requirements:

$500 permit fee
$2,000 Performance Guarantee in the form of Cash, Check, or Letter of Credit from a bank.

Can you update your contractor info, accordingly?

Nathan

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Monday, June 13, 2016 9:20 AM
To: Nathan Voght
Cc: Howard Fink
Subject: RE: WCRC Permit Application

Hi Nathan. Yes, someone from the County should attend the pre-bid meeting. I would suggest 10:00 AM for Wed 6/22 pre-bid.

We also need to set a time for the Mon. 7/11 bids due. Does the County have a standard time? The draft RFP had 3:00 PM as a place holder and I am good with that time if everyone else is also good.

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Monday, June 13, 2016 8:48 AM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com<mailto:jacob.rushlow@ohm-advisors.com>>
Cc: Howard Fink <finkh@twp.northfield.mi.us<mailto:finkh@twp.northfield.mi.us>>
Subject: RE: WCRC Permit Application

Jacob,

I'm fine with your tweaks to the timeline. We just need to know from Howard what time is good to hold the mandatory pre-bid mtg. at the Township Hall (Howard?). I am out at a conference on Wed. June 22nd, but I can probably get someone from my office to attend. (I'm assuming you need someone from the County?)

So, here is what it would be:

Tues, June 14th at NOON - Get final PDF of RFP to Angela for her final review Thurs. June 16th - County Purchasing releases RFP on Mitten, Mlive online and in print edition Wed. June 22nd - Mandatory Pre-Bid Meeting is held in Northfield Twp. Hall TIME?
Thurs. June 30th - Answers to any contractor questions that were not answered at mandatory pre-bid meeting are sent to only attendees of mandatory mtg.
Mon. July 11th - BIDS DUE

Regarding your other questions, let's say the following:

Award Contract - July 18th
Contract Executed - July 27th
Notice to Proceed - Aug. 1st
Construction Start - Aug. 8th
Construction End - Sept. 2nd

Please let me know if the above looks good.

Thx,

Nathan

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Friday, June 10, 2016 10:52 AM
To: Nathan Voght
Cc: Howard Fink
Subject: RE: WCRC Permit Application

Nathan, here is a follow up question to these dates. If the bid opening in on Mon 7/11 when would you anticipate awarding the contract and a notice to proceed? Our supplemental instructions to bidders includes the anticipated award date, notice to proceed, construction start, and construction end.

From: Jacob Rushlow
Sent: Friday, June 10, 2016 10:26 AM
To: 'Nathan Voght' <voghtn@ewashtenaw.org<mailto:voghtn@ewashtenaw.org>>
Cc: Howard Fink <finkh@twp.northfield.mi.us<mailto:finkh@twp.northfield.mi.us>>
Subject: RE: WCRC Permit Application

Nathan,

I think this schedule looks good with the following slight modifications…

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Friday, June 10, 2016 10:20 AM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com<mailto:jacob.rushlow@ohm-advisors.com>>
Cc: Howard Fink <finkh@twp.northfield.mi.us<mailto:finkh@twp.northfield.mi.us>>
Subject: RE: WCRC Permit Application

Jacob,

Here are the dates we should hit, after talking to Angela:

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Mon. July 11th - BIDS DUE

What do you think? If you're in agreement, I'll modify the RFP with all those dates.

I've called Gary Streight one more time to confirm our WCRC questions…

Thx

Nathan

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Thursday, June 09, 2016 5:35 PM
To: Nathan Voght
Cc: Howard Fink
Subject: WCRC Permit Application

Nathan,

As discussed in our meeting this afternoon I am providing you with a completed permit application for submittal to the Washtenaw County road Commission along with a cover letter. You only need to print off page 3 of the application PDF. There is actually no signature needed on this application (unlike the WCWRC SESC permit). Just print Page 3 and the cover letter and submit those with the set of plans.

When you submit both permits please let me know what each agency says about a permit/bond/inspection fee requirements so we can include that information in out instructions to bidders for the contractor's information.

Let me know if you have any questions with this. Thanks.

JACOB A. Rushlow, PE
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Howard Fink

From: Nathan Voght [voghtn@ewashtenaw.org]
Sent: Tuesday, June 14, 2016 10:42 AM
To: Jacob Rushlow
Cc: Angela Perry; Howard Fink
Subject: RE: Northfield Main Street Specs

Jacob,

Can you send me that updated bid form?>

N

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Monday, June 13, 2016 5:31 PM
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Sent: Tuesday, June 14, 2016 10:45 AM
To: Jacob Rushlow
Cc: Angela Perry; Howard Fink
Subject: RE: Northfield Main Street Specs

Pls send me just APPENDIX C separately as a file attachement. It wouldn't open from the ZIP file

---

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To: Nathan Voght
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Subject: RE: Northfield Main Street Specs

Probably easier just to update the numbers in the document you have. The only change was Item #17 Sign, Type IIB changed from 12 sft to 22 sft. Everything else remains the same as you have it in the final draft I received yesterday.

Jacob

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Tuesday, June 14, 2016 10:42 AM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com>
Cc: Angela Perry <perrya@ewashtenaw.org>; Howard Fink <finkh@twp.northfield.mi.us>
Subject: RE: Northfield Main Street Specs

Jacob,

Can you send me that updated bid form?>

N

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Monday, June 13, 2016 5:31 PM
To: Nathan Voght
Cc: Angela Perry; Howard Fink
Subject: Northfield Main Street Specs

Nathan,

We completed the plan and spec updates and sent them through our FTP server where you can download the files. Let me know if you have any issues with those.

For preparing the RFP using our construction specifications I would recommend organizing the document in this order:
WCCED RFP
Supplemental Instructions to Bidders (SIB) General Specifications Technical Specifications (DV, EA, R, ST) Supplemental Specifications (SS) Method of Payment (MOP) Appendix A - Geotechnical Report Appendix B - MDOT Standard Plans and Special Details Appendix C - MDOT Special Provision for RRFB

I also have an updated bid form to insert into the final RFP document (few quantities were modified). If you can send me a final version in the morning once you addressed the section on completion dates I can insert the final bid form.

JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

T 734.522.6711
F 734.522.6427
D 734.466.4517

Howard Fink

From: Jacob Rushlow [jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, July 12, 2016 11:54 AM
To: Nathan Voght
Cc: Howard Fink
Subject: Main Street Sidewalk Northfield Twp - Bid Tabulation
Attachments: Main St Sidewalk Award Letter.pdf; Main St Sidewalk Bid Tab.pdf

Nathan,

Attached is our letter of recommendation for award of this project along with the as-checked tabulation of bids. There were no corrections needed for either of the bids. Let me know if you need anything else. Thanks.

JACOB A. Rushlow, PE
PROJECT MANAGER

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OHM Advancing Communities

July 12, 2016

Washtenaw County
Office of Community and Economic Development
415 W. Michigan Ave, Suite 2200
Ypsilanti, MI 48197

Attention: Nathan Voght

Regarding: **RFP #6881 Main Street Sidewalk Improvements - Northfield Township**
Recommendation of Award
OHM Job # 0161-15-0020

Dear Mr. Voght:

Sealed bids for the Main Street Sidewalk Improvements project were received and publicly read aloud on Monday July 11, 2016. Proposals were received from two (2) bidders. The two (2) bidders and their bid amounts are summarized below and detailed in the attached bid tabulation. At the time plans and specifications were made available for bidding (June 16, 2016) the post-design Engineer's Opinion of Construction Cost for this project was estimated to be $108,102.00.

Contractor	Amount
GM and Sons, Inc.	$115,628.00
E.T. MacKenzie Co.	$123,900.00

The project scope consists of constructing a 5-foot wide concrete sidewalk along the east side of Main Street from the Westbrook apartment complex approximately 950 feet in length to a location crossing Main Street and connecting to the existing sidewalk at the Whitmore Lake Middle School campus. The work to be done under this Contract includes the furnishing of materials, equipment, and labor necessary to complete the proposed work, as well as all necessary restoration in accordance with the specifications.

GM and Sons, Inc., located in Ann Arbor, Michigan is the confirmed low bidder. Based on our experience, they have performed similar type sidewalk projects and have satisfactorily completed public project for Washtenaw County in the past. Based on our findings and discussions with County and Township staff, we recommend award of the Main Street Sidewalk Improvement project to GM and Sons, Inc. in the amount of $115,628.00, per the unit prices bid for the project. If you have any questions, please do not hesitate to call our office at (734) 522-6711.

Sincerely,
OHM Advisors

Jacob Rushlow, P.E.
Project Manager

Enclosures: *Bid Tabulation*
Cc: File

OHM Advisors
34000 PLYMOUTH ROAD
LIVONIA, MICHIGAN 48150
T 734.522.6711
F 734.522.6427
OHM-Advisors.com

Tabulation for Bids Received on 7/11/16
Main Street Sidewalk Improvements
Washtenaw County, MI
OHM Job No.:0161-15-0021

GM and Sons, Inc.
6784 Whitmore Lake Rd.
Whitmore Lake, MI 48189
Phone: 734-929-1259

E.T. Mackenzie Company
6400 Jackson Rd.
Ann Arbor, MI 48103
Phone: 734-761-5050

Item No.	Description	Estimated Quantity	GM and Sons, Inc. Unit Price	GM and Sons, Inc. Amount	E.T. Mackenzie Company Unit Price	E.T. Mackenzie Company Amount
1)	Mobilization, Max 10%	1 Ea	$10,000.00	$10,000.00	$10,000.00	$10,000.00
2)	Traffic Control	1 LS	$10,000.00	$10,000.00	$6,429.00	$6,429.00
3)	Station Grading	9.4 Sta	$2,500.00	$23,500.00	$1,000.00	$9,400.00
4)	Pavt, Rem	24 Syd	$20.00	$480.00	$40.00	$960.00
5)	Sidewalk, Rem	9 Syd	$20.00	$180.00	$19.00	$171.00
6)	Erosion Control, Silt Fence	929 Ft	$2.00	$1,858.00	$4.50	$4,180.50
7)	Culv, CMP, 12 inch	35 Ft	$55.00	$1,925.00	$50.00	$1,750.00
8)	Culv End Sect, CMP, 12 inch	4 Ea	$450.00	$1,800.00	$200.00	$800.00
9)	Reconstruct Sanitary Structure	2 Ea	$725.00	$1,450.00	$1,400.00	$2,800.00
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13)	Sidewalk, Conc, 6 inch	525 Sft	$6.00	$3,150.00	$7.50	$3,937.50
14)	Irrigation Line	100 Ft	$2.50	$250.00	$18.00	$1,800.00
15)	Remove and Reset Irrigation Head	10 Ea	$75.00	$750.00	$80.00	$800.00
16)	Post, Steel, 3 lb	16 Ft	$25.00	$400.00	$12.00	$192.00
17)	Sign, Type IIIB	22 Sft	$30.00	$660.00	$25.00	$550.00
18)	Solar Power RRFB Assembly (Two-Way, Complete)	2 Ea	$11,250.00	$22,500.00	$12,300.00	$24,600.00
19)	Pavt Mrkg, Ovly Cold Plastic, 6 inch, White	66 Ft	$7.50	$495.00	$8.00	$528.00
20)	Pavt Mrkg, Ovly Cold Plastic, 12 inch, White	60 Ft	$14.00	$840.00	$15.00	$900.00
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22)	Pavt Mrkg, Ovly Cold Plastic, Xing	2 Ea	$200.00	$400.00	$205.00	$410.00
23)	Turf Establishment	1 LS	$6,450.00	$6,450.00	$12,300.00	$12,300.00
24)	Digital Video Recorded Survey	1 LS	$1,800.00	$1,800.00	$5,000.00	$5,000.00
	TOTAL BID AMOUNT			$115,628.00		$123,900.00

Howard Fink

From: Nathan Voght [voghtn@ewashtenaw.org]
Sent: Wednesday, July 13, 2016 9:19 AM
To: Angela Perry
Cc: 'Jacob Rushlow'; Howard Fink
Subject: FW: Main Street Sidewalk Northfield Twp - Bid Tabulation
Attachments: Main St Sidewalk Award Letter.pdf; Main St Sidewalk Bid Tab.pdf

Angela,

See attached. Please prepare a notice of award, unless there's any objection from Mr. Fink.

THx,

Nathan

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, July 12, 2016 11:54 AM
To: Nathan Voght
Cc: Howard Fink
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JACOB A. Rushlow, PE
PROJECT MANAGER

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OHM Advancing Communities

July 12, 2016

Washtenaw County
Office of Community and Economic Development
415 W. Michigan Ave, Suite 2200
Ypsilanti, MI 48197

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Sincerely,
OHM Advisors

Jacob Rushlow, P.E.
Project Manager

Enclosures: *Bid Tabulation*
Cc: File

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34000 PLYMOUTH ROAD
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OHM-Advisors.com

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Washtenaw County, MI
OHM Job No.:0161-15-0021

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Whitmore Lake, MI 48189
Phone: 734-929-1259

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	TOTAL BID AMOUNT			$115,628.00		$123,900.00

Howard Fink

From: Jacob Rushlow [jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, August 02, 2016 3:08 PM
To: Howard Fink
Subject: Washtenaw county Maintenance Agreement

Howard,

Today at the Main St Sidewalk pre-construction meeting the Road Commission (Gary Streight) mentioned that they will be providing Northfield Township with a maintenance agreement to cover long term maintenance of the pedestrian crossing pavement markings and RRFB. I do not know the specifics of the agreement language but from what I heard at the meeting today this agreement needs to be signed before the WCRC will release the ROW permit to allow construction to start. I will forward the agreement to you as soon as I see it.

JACOB A. Rushlow, PE
PROJECT MANAGER

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Howard Fink

From: Jacob Rushlow [jacob.rushlow@ohm-advisors.com]
Sent: Thursday, July 28, 2016 8:28 AM
To: Nathan Voght
Cc: Howard Fink; Teresa M. Gillotti
Subject: Re: Main Street Sidewalk PRECON on Aug 2 or 3?

Nathan, I am out of town but will get in touch with my construction team to have them help setup this precon meeting for next week.

Sent from my Verizon Wireless 4G LTE DROID On Jul 28, 2016 8:20 AM, Nathan Voght <voghtn@ewashtenaw.org> wrote:

Jacob,

I received your signed CE Contracts, and I will be executing on my end and getting required County signatures.

I just talked to Sean from GM & Sons, and he's already putting things in order to mobilize this job. He's getting his guys to drop off construction barrels and "Construction Zone" signs. He's requested the forms from your office to submit to OHM that staking be done. He's placing the order from Rawhorn for the Rapid Flashing Beacon crossings. He's warned me, however, that these have a 4-6 week lead time, so it's possible they won't be up prior to school starting. He's called Miss Dig. He's going to send me signed contracts with the County, for me to execute on my end.

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What time works for you? I'm not sure who else you need to have at the PRECON?

Thx,

Nathan Voght, AICP

Brownfield Redevelopment Coordinator

ReImagine Washtenaw Project Manager

Washtenaw County Office of Community & Economic Development

415 W. Michigan Avenue, Suite 2200

Ypsilanti, Michigan 48197

http://www.ewashtenaw.org/<https://exchangeweb.ewashtenaw.org/owa/redir.aspx?C=BpkLsdPjz0WsV_nB5i__NCr-Jejqc9EIZV_v0p_2tE2oYyZXZY6iW6b0byDP0W5UwNeQdgT8k7Q.&URL=http%3a%2f%2fwww.ewashtenaw.org%2f>

734-544-3055 (direct office)

734-660-1061 (cell)

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, July 19, 2016 2:24 PM
To: Nathan Voght
Subject: RE: Main Street Sidewalk Northfield Twp - Bid Tabulation

Nathan,

This contract looks good to us. I have 2 signed originals I will mail out to you today.

Jacob

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Thursday, July 14, 2016 9:49 AM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com<mailto:jacob.rushlow@ohm-advisors.com>>
Subject: RE: Main Street Sidewalk Northfield Twp - Bid Tabulation

Jacob,

Here is a DRAFT contract with OHM for CE services related to Northfield Twp. I've added back in our "template" the three sections that OHM previously added from the 2015 DESIGN contract for this job:

1. XIX - Ownership of Documents and Publication (OHM added the 2nd paragraph)

2. XXVII - Standard of Care (New section added by OHM)

3. XXIX – Job Site Safety (New section added by OHM)

Please review and, if acceptable, sign two originals of the signature page and send back to me.

THANKS

Nathan Voght, AICP

Brownfield Redevelopment Coordinator

ReImagine Washtenaw Project Manager

Washtenaw County Office of Community & Economic Development

415 W. Michigan Avenue, Suite 2200

Ypsilanti, Michigan 48197

http://www.ewashtenaw.org/<https://exchangeweb.ewashtenaw.org/owa/redir.aspx?C=BpkLsdPjz0WsV_nB5i__NCr-Jejqc9EIZV_v0p_2tE2oYyZXZY6iW6b0byDP0W5UwNeQdgT8k7Q.&URL=http%3a%2f%2fwww.ewashtenaw.org%2f>

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Sent: Wednesday, July 13, 2016 4:33 PM
To: Nathan Voght
Subject: RE: Main Street Sidewalk Northfield Twp - Bid Tabulation

No reason to wait at all.

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]

Sent: Wednesday, July 13, 2016 4:15 PM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com<mailto:jacob.rushlow@ohm-advisors.com>>
Subject: RE: Main Street Sidewalk Northfield Twp - Bid Tabulation

Jacob,

I have the permit applications for the WCDC and WCRC. I plan on submitting both, with the cover letters you provided. Any reason to wait on this?

Nathan

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Sent: Tuesday, July 12, 2016 11:54 AM
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ReImagine Washtenaw Project Manager

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http://www.ewashtenaw.org/

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PROJECT MANAGER

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Howard Fink

From: Nathan Voght [voghtn@ewashtenaw.org]
Sent: Wednesday, July 27, 2016 1:07 PM
To: Howard Fink
Cc: Teresa M. Gillotti; Sean Morrissey
Subject: RE: Sidewalk contract to Board of Trustees?

Howard, all approved last night?

Nathan

Sent from my Verizon, Samsung Galaxy smartphone

-------- Original message --------
From: Howard Fink <finkh@Northfieldmi.gov>
Date: 7/26/16 9:47 AM (GMT-05:00)
To: Nathan Voght <voghtn@ewashtenaw.org>
Subject: RE: Sidewalk contract to Board of Trustees?

No, No need for a rep.
Howard

Howard Fink
Northfield Township Manager
8350 Main St., Ste. A
Whitmore Lake, MI 48189
Phone: (734) 449-2880 x 12
Fax: (734) 449-0123

-----Original Message-----
From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Tuesday, July 26, 2016 9:30 AM
To: Howard Fink
Subject: RE: Sidewalk contract to Board of Trustees?

Howard,
I am assuming you weren't needing a rep from the county there tonight? It just occurred to me...
Nathan

Sent from my Verizon, Samsung Galaxy smartphone

-------- Original message --------
From: Howard Fink <finkh@Northfieldmi.gov>
Date: 7/26/16 9:14 AM (GMT-05:00)
To: Nathan Voght <voghtn@ewashtenaw.org>
Subject: RE: Sidewalk contract to Board of Trustees?

You are welcome.

Howard Fink
Northfield Township Manager
8350 Main St., Ste. A
Whitmore Lake, MI 48189
Phone: (734) 449-2880 x 12
Fax: (734) 449-0123

-----Original Message-----
From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Tuesday, July 26, 2016 9:13 AM
To: Howard Fink
Subject: RE: Sidewalk contract to Board of Trustees?

Awesome, thx

Sent from my Verizon, Samsung Galaxy smartphone

-------- Original message --------
From: Howard Fink <finkh@Northfieldmi.gov>
Date: 7/26/16 9:11 AM (GMT-05:00)
To: Nathan Voght <voghtn@ewashtenaw.org>
Subject: RE: Sidewalk contract to Board of Trustees?

Yes. It is on the agenda.

Howard Fink
Northfield Township Manager
8350 Main St., Ste. A
Whitmore Lake, MI 48189
Phone: (734) 449-2880 x 12
Fax: (734) 449-0123

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From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Tuesday, July 26, 2016 9:09 AM
To: Howard Fink
Cc: Angela Perry; Teresa M. Gillotti
Subject: Sidewalk contract to Board of Trustees?

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Thx,

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Thx,

Nathan Voght

Sent from my Verizon, Samsung Galaxy smartphone

Howard Fink

From: Howard Fink
Sent: Tuesday, July 19, 2016 12:34 PM
To: Jennifer Carlisle (carlislej@twp.northfield.mi.us)
Subject: FW: Northfield Twp. CDBG Allocations - Main Street Sidewalk Project

Needs to be on the agenda for Tuesday.

Howard Fink
Northfield Township Manager
8350 Main St., Ste. A
Whitmore Lake, MI 48189
Phone: (734) 449-2880 x 12
Fax: (734) 449-0123

From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Tuesday, July 19, 2016 12:18 PM
To: Howard Fink
Cc: Teresa M. Gillotti
Subject: Northfield Twp. CDBG Allocations - Main Street Sidewalk Project

Howard,

Here is a breakdown of the Main Street Sidewalk overall costs, the Township's previous allocations that were to be utilized to complete the project, and the deficit the Township will have moving forward:

Previous CDBG Allocations Utilized for Project:

2010	$25,000
2011	$10,000
2013	$11,687
2014	$9,383
2015	$12,202
TOTAL	**$68,272**

ACTUAL Cost of Project:

$18,000	Design Engineering (OHM)
$26,265	Construction Engineering (Not to Exceed, OHM)
$115,628	Construction (GM & Sons, Inc.)
$159,893	TOTAL COST

$159,893 - $68,272 = $91,621 needed to borrow from future Northfield Township CDBG Allocations.

Assuming an average of $10,000 in CDBG allocations per year, 9 years of future Township CDBG allocations will be need to be advanced to complete the project.

If you have any questions, feel free to let me know.

Thanks,

Nathan Voght, AICP
Brownfield Redevelopment Coordinator
ReImagine Washtenaw Project Manager

Washtenaw County Office of Community & Economic Development
415 W. Michigan Avenue, Suite 2200
Ypsilanti, Michigan 48197
http://www.ewashtenaw.org/

734-544-3055 (direct office)
734-660-1061 (cell)

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Nathan Voght, AICP
Brownfield Redevelopment Coordinator
ReImagine Washtenaw Project Manager

Washtenaw County Office of Community & Economic Development
415 W. Michigan Avenue, Suite 2200
Ypsilanti, Michigan 48197
http://www.ewashtenaw.org/

734-544-3055 (direct office)
734-660-1061 (cell)

Howard Fink

From: Nathan Voght [voghtn@ewashtenaw.org]
Sent: Monday, July 18, 2016 11:36 AM
To: 'Jacob Rushlow'
Cc: Howard Fink
Subject: RE: Main Street Sidewalk Northfield Twp - Bid Tabulation

Howard,

If you're in agreement, I'd like to authorize Purchasing to issue an award letter to the lowest bidder. Please let me know if I should proceed.

Thx,

Nathan Voght, AICP
Brownfield Redevelopment Coordinator
ReImagine Washtenaw Project Manager

Washtenaw County Office of Community & Economic Development
415 W. Michigan Avenue, Suite 2200
Ypsilanti, Michigan 48197
http://www.ewashtenaw.org/

734-544-3055 (direct office)
734-660-1061 (cell)

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, July 12, 2016 11:54 AM
To: Nathan Voght
Cc: Howard Fink
Subject: Main Street Sidewalk Northfield Twp - Bid Tabulation

Nathan,

Attached is our letter of recommendation for award of this project along with the as-checked tabulation of bids. There were no corrections needed for either of the bids. Let me know if you need anything else. Thanks.

JACOB A. Rushlow, PE
PROJECT MANAGER

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D 734.466.4517
C 734.812.7154

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Howard Fink

From: Nathan Voght [voghtn@ewashtenaw.org]
Sent: Thursday, July 14, 2016 7:59 AM
To: 'Jacob Rushlow'
Cc: Howard Fink
Subject: RE: Main Street Sidewalk Northfield Twp - Bid Tabulation

Howard,

Are you in agreement to award the sidewalk contract to the low bidder?

Nathan Voght, AICP
Brownfield Redevelopment Coordinator
ReImagine Washtenaw Project Manager

Washtenaw County Office of Community & Economic Development
415 W. Michigan Avenue, Suite 2200
Ypsilanti, Michigan 48197
http://www.ewashtenaw.org/

734-544-3055 (direct office)
734-660-1061 (cell)

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Sent: Tuesday, July 12, 2016 11:54 AM
To: Nathan Voght
Cc: Howard Fink
Subject: Main Street Sidewalk Northfield Twp - Bid Tabulation

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JACOB A. Rushlow, PE
PROJECT MANAGER

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[illegible]

Howard Fink

From: Jacob Rushlow [jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, August 02, 2016 3:48 PM
To: Howard Fink
Subject: RE: Washtenaw county Maintenance Agreement
Attachments: Agreement No. 1 - Main St 2075 ft S of East Shore Dr.pdf; RE: Main St Sidewalk - Northfield

Importance: High

Howard, I just received the maintenance agreement from the WCRC (see attached).

Any questions should be directed to Gary Streight at 734-327-6692 / streightg@wcroads.org<mailto:streightg@wcroads.org> or Matt MacDonell at 734-327-6688 / macdonellm@wcroads.org<mailto:macdonellm@wcroads.org>.

As I mentioned the WCRC is requiring this agreement be signed by the Township before they will issue the construction permit and allow work to start.

Jacob

From: Jacob Rushlow
Sent: Tuesday, August 2, 2016 3:08 PM
To: Howard Fink (finkh@twp.northfield.mi.us) <finkh@twp.northfield.mi.us>
Subject: Washtenaw county Maintenance Agreement

Howard,

Today at the Main St Sidewalk pre-construction meeting the Road Commission (Gary Streight) mentioned that they will be providing Northfield Township with a maintenance agreement to cover long term maintenance of the pedestrian crossing pavement markings and RRFB. I do not know the specifics of the agreement language but from what I heard at the meeting today this agreement needs to be signed before the WCRC will release the ROW permit to allow construction to start. I will forward the agreement to you as soon as I see it.

JACOB A. Rushlow, PE
PROJECT MANAGER

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WASHTENAW COUNTY ROAD COMMISSION
555 N. ZEEB ROAD
ANN ARBOR, MICHIGAN 48103

TRAFFIC CONTROL DEVICE AGREEMENT

LOCATION: Main Street 2075 ft south of East Shore Drive

AGREEMENT NO. 1

DEVICE TYPE(S): Crosswalk pavement markings, Rectangular Rapid Flashing Beacon (RRFB), and all signage for crossing

EFFECTIVE DATE OF THIS AGREEMENT:

Under authority of state law and by virtue of resolutions formally adopted by their respective governing bodies, the undersigned hereby agree to participate in the cost of maintenance and operation of the traffic control device(s) at the location(s) listed above on the basis of the division of costs as shown below. Details of the location are as shown on the attached documentation.

PARTICIPATION AGREEMENT

Agency	WASHTENAW COUNTY ROAD COMMISSION	0%
Agency	NORTHFIELD TOWNSHIP	100%
Agency		
Other		

BILLING AGREEMENT: It is agreed that the **Washtenaw County Road Commission** shall bill the parties designated above on the participation agreement for their proportionate share of all costs relative to the maintenance and operation of the traffic control device(s) on the first billing cycle after the charges are incurred.

It is further agreed that the agency responsible for payment of energy billings and/or leased line interconnection billings included in the operation costs, shall be the **Washtenaw County Road Commission**.

It is further agreed that the agency responsible for performing maintenance by approved guidelines and policies, shall be the **Washtenaw County Road Commission**.

"In the event the traffic control device(s) referred to in this agreement is located on a road or street that is not under the jurisdiction of the **Washtenaw County Road Commission**, the authority having the jurisdiction over the road or street hereby agrees to save harmless, indemnify, represent, and defend the **Washtenaw County Road Commission** from any claims, demands, or suits arising out of or relating to the maintenance and operation of the traffic control device(s) which is the subject matter of this agreement."

It is further agreed that title to all equipment at the roads listed in this agreement shall remain with the agency having jurisdiction of the road in which the equipment is located.

This agreement is terminable on a unanimous decision between all parties.

Agency WASHTENAW CO. ROAD COMM. Signed By Print Name Title Date	Agency NORTHFIELD TOWNSHIP Signed By Print Name Title Date
Agency Signed By Print Name Title Date	Other Signed By Print Name Title Date

Howard Fink

From: Streight, Gary [streightg@wcroads.org]
Sent: Tuesday, August 02, 2016 3:32 PM
To: Jacob Rushlow
Cc: MacDonell, Matt; Schlack, Brent
Subject: RE: Main St Sidewalk - Northfield
Attachments: Agreement No. 1 - Main St 2075 ft S of East Shore Dr.pdf

Jacob,

Here is the agreement which needs to be signed by the Township before a permit may be issued. I will be sending you comments shortly regarding the plans. Also, please send me the specs on the RRFB's for review.

Gary Streight
Project Manager
Washtenaw County Road Commission
(734) 761-1500 Main
(734) 327-6692 Desk
(734) 761-3737 Fax
streightg@wcroads.org

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, August 2, 2016 2:55 PM
To: Streight, Gary
Cc: MacDonell, Matt; Schlack, Brent
Subject: Main St Sidewalk - Northfield

Gary,

Please forward the maintenance agreement you mentioned today at the pre-construction meeting so we can take that to the Township for approval and get the project started.

You also mentioned you may have a few plan comments to be revised. Please forward those to me as soon as possible so we can get the permit issued as soon as possible.

Thanks.

JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

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WASHTENAW COUNTY ROAD COMMISSION
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Agency Signed By Print Name Title Date	Other Signed By Print Name Title Date

Howard Fink

From: Streight, Gary [streightg@wcroads.org]
Sent: Wednesday, August 03, 2016 9:19 AM
To: Jacob Rushlow
Cc: Nathan Voght; Angela Westover; Howard Fink; MacDonell, Matt; Schlack, Brent
Subject: WCRC App. 12849 - Main Street CDBG Sidewalk
Attachments: 8-3-16 Plan Review.pdf

Please see the attached letter pertaining to the above referenced project. You will not receive a hard copy unless otherwise requested. Please contact me with any questions or comments.

Gary Streight
Project Manager
Washtenaw County Road Commission
(734) 761-1500 Main
(734) 327-6692 Desk
(734) 761-3737 Fax
streightg@wcroads.org

COMMISSIONERS
DOUGLAS E. FULLER
CHAIR
BARBARA RYAN FULLER
VICE CHAIR
BILL McFARLANE
MEMBER

Washtenaw County
BOARD OF COUNTY ROAD COMMISSIONERS
555 NORTH ZEEB ROAD
ANN ARBOR, MICHIGAN 48103
WWW.WCROADS.ORG

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MANAGING DIRECTOR
SHERYL SODERHOLM SIDDALL, P.E.
COUNTY HIGHWAY ENGINEER/
DIRECTOR OF ENGINEERING
JAMES D. HARMON, P.E.
DIRECTOR OF OPERATIONS
TELEPHONE (734) 761-1500
FAX (734) 761-3737

August 3, 2016

OHM
34000 Plymouth Road
Livonia, MI 48150

Attn: Jacob Rushlow, P.E.

Regarding: WCRC Permit Application #12849 – Main Street CDBG Sidewalk Northfield Township

Mr. Rushlow:

This letter is provided in response to the plans for the above referenced project. The following comments must be addressed in accordance with the WCRC Procedures & Regulations for Permit Activities (PRPA):

1. Provide a general note on the plans indicating all pedestrian facilities will meet the current ADA requirements.
2. Include the MDOT Special Detail – Sidewalk Ramp R-28 series in the plans.
3. Between stations 4+00 and 5+50 there appears to be a swale which is crossed by the proposed sidewalk. Show how the drainage will be handled in this area.
4. Switch the location of the pavement markings "XING" and "PED" for approaching traffic.
5. Move the location of the RRFB sign post to the back side of the sidewalk crossing as vehicles are approaching to not interfere with the visibility of the pedestrian and motorist.
6. A signed Maintenance Agreement must be executed.
7. A letter of retainage from Northfield Township is needed for surety.
8. An inspection deposit in the amount of $2,800 is required.

Once the above comments have been addressed re-submit 3 sets of plans for review. No work in the right-of-way shall take place until WCRC permits have been issued. If you have any questions, please do not hesitate to contact me at (734) 327-6692.

Sincerely,

Gary Streight, P.E.
Project Manager

Cc: Nathan Voght / Washtenaw County
Angela Westover / Northfield Township Clerk
Howard Fink / Northfield Township Manager
Matthew MacDonell, P.E. / WCRC Assistant Director of Engineering
Brent Schlack, P.E. / WCRC Assistant Director of Engineering

Howard Fink

From: Jacob Rushlow [jacob.rushlow@ohm-advisors.com]
Sent: Wednesday, August 03, 2016 11:04 PM
To: Streight, Gary
Cc: Nathan Voght; Angela Westover; Howard Fink; MacDonell, Matt; Schlack, Brent
Subject: RE: WCRC App. 12849 - Main Street CDBG Sidewalk
Attachments: MAIN STREET CDBG SIDEWALK WCRC REV.PDF; WCRC_Permit_Review_Letter_2016-8-3.pdf

Gary,

Please see the attached letter regarding plan revisions as well as an updated set of construction plans addressing your comments. If you find the plan revisions acceptable we will print and deliver the required three (3) full size plan sets to your office. Thank you for your review of this project.

JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

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Sent: Wednesday, August 3, 2016 9:19 AM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com>
Cc: Nathan Voght (voghtn@ewashtenaw.org) <voghtn@ewashtenaw.org>; westovera@twp.northfield.mi.us; finkh@twp.northfield.mi.us; MacDonell, Matt <macdonellm@wcroads.org>; Schlack, Brent <schlackb@wcroads.org>
Subject: WCRC App. 12849 - Main Street CDBG Sidewalk

Please see the attached letter pertaining to the above referenced project. You will not receive a hard copy unless otherwise requested. Please contact me with any questions or comments.

Gary Streight
Project Manager
Washtenaw County Road Commission
(734) 761-1500 Main

(734) 327-6692 Desk
(734) 761-3737 Fax
streightg@wcroads.org<mailto:streightg@wcroads.org>

TOWNSHIP OF NORTHFIELD

IN COOPERATION WITH

WASHTENAW COUNTY

OFFICE OF COMMUNITY AND ECONOMIC DEVELOPMENT

MAIN STREET CDBG SIDEWALK

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	COVER
2	GENERAL NOTES
3	LEGEND
4-5	CONSTRUCTION PLAN
6-7	GRADING PLAN
8	PAVEMENT MARKINGS
9	SOIL EROSION AND SEDIMENTATION CONTROL

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ANGELA WESTOVER
• CITY CLERK •

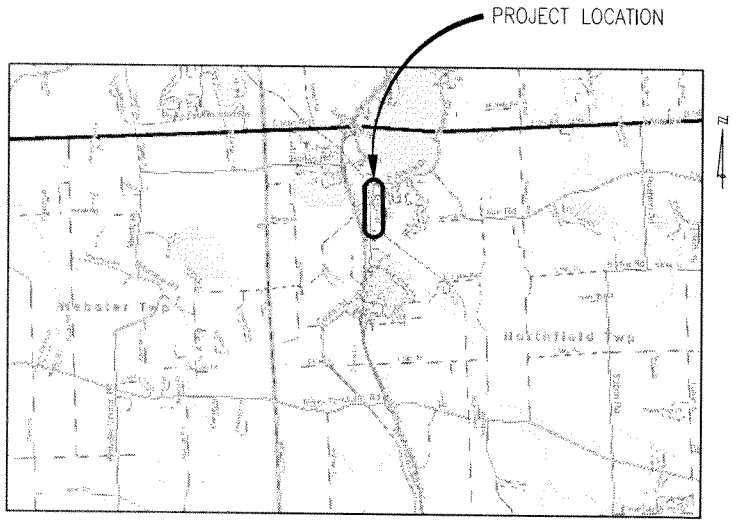
KATHY BRAUN
• TREASURER •

WAYNE DOCKETT
JACKI OTTO
TRACY THOMAS
JANET CHICK
• TRUSTEES •

HOWARD FINK
MANAGER •

M.D.O.T. STANDARD PLANS	
TITLE	PLAN NO.
DRIVEWAY OPENINGS & APPROACHES AND CONCRETE SIDEWALKS	R-29-I
SOIL EROSION AND SEDIMENTATION CONTROL	R-96-E
TEMPORARY TRAFFIC CONTROL DEVICES	WZD-125-E

M.D.O.T. SPECIAL DETAILS	
TITLE	PLAN NO.
SIDEWALK RAMP DETAILS	R-28-J
RECTANGULAR RAPID FLASHING BEACON	SIG-027-B



LOCATION MAP
N.T.S.

CONTRACT FOR: APPROXIMATELY 950 FEET OF 5 FOOT WIDE CONCRETE SIDEWALK ALONG THE EAST SIDE OF MAIN STREET LINKING THE EXISTING SIDEWALK AT THE WESTBROOK APARTMENT COMPLEX TO THE WHITMORE LAKE MIDDLE SCHOOL.

OHM
Advancing Communities
34000 Plymouth Road | Livonia, MI 48150
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PREPARED UNDER THE SUPERVISION OF:

53603
Registration No.

JACOB RUSHLOW

JUNE 16, 2016
Date

APPLICATION DATE	PERMITS	APPROVAL DATE
6/9/2016	WCWRC SOIL EROSION PERMIT	
6/9/2016	WCRC R.O.W. PERMIT	

REVISIONS

PROJECT NO.	SHEET NO.
0161-15-0020	1 OF 9

GENERAL PROVISIONS

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE PROPOSAL AND ACCOMPANYING SPECIFICATIONS FOR THIS PROJECT INCLUDING THE 2012 MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, AASHTO'S 2011 A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS.

THE LOCATION OF ALL PUBLIC UTILITIES SHOWN ON THESE PLANS IS TAKEN FROM THE BEST AVAILABLE DATA. THE WASHTENAW COUNTY ROAD COMMISSION AND NORTHFIELD TOWNSHIP WILL NOT BE RESPONSIBLE FOR ANY OMISSION OR VARIATION FROM THE LOCATIONS SHOWN. PURSUANT TO ACT 53 OF THE P.A. OF 1974, AS A CONDITION OF THIS CONTRACT, NOTICE SHALL BE GIVEN TO MISS DIG PRIOR TO UNDERGROUND WORK TO BE PERFORMED IN ACCORDANCE WITH THIS CONTRACT, PHONE (800) 482-7171 OR 811. UTILITY SERVICE CONNECTIONS ARE NOT SHOWN ON THE PLANS AND ARE NOT THE RESPONSIBILITY OF THE ROAD COMMISSION.

THE ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON NAVD 1988 VERTICAL DATUM.

GENERAL PROVISIONS

THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND THE NORTHFIELD TOWNSHIP DESIGN STANDARDS EXCEPT AS NOTED HEREIN AND IN THE WASHTENAW COUNTY REQUEST FOR PROPOSAL #6581.

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN SUCH A MANNER TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL CODES FOR NOISE LEVELS, VIBRATIONS, OR ANY OTHER RESTRICTIONS WHILE REMOVING PAVEMENT OR FOR ANY OTHER CONSTRUCTION OPERATIONS WITHIN THIS CONTRACT TO BE INCLUDED IN THE RESPECTIVE ITEM OF WORK.

THE CONTRACTOR SHALL NOT ENTER UPON PRIVATE PROPERTY FOR ANY PURPOSE WITHOUT OBTAINING WRITTEN PERMISSION, AND HE/SHE SHALL BE RESPONSIBLE FOR PRESERVATION OF ALL PUBLIC PROPERTY, TREES, MONUMENTS, ETC. ALONG AND ADJACENT TO THE STREET AND/OR RIGHT OF WAY, AND SHALL USE EVERY PRECAUTION NECESSARY TO PREVENT DAMAGE OR INJURY THERETO. HE/SHE SHALL USE SUITABLE PRECAUTIONS TO PREVENT DAMAGE TO PIPES, CONDUITS, AND OTHER UNDERGROUND STRUCTURES AND SHALL PROTECT CAREFULLY FROM DISTURBANCE OR DAMAGE ALL MONUMENTS AND PROPERTY MARKERS UNTIL THE ENGINEER OR AUTHORIZED AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION AND SHALL NOT REMOVE THEM UNTIL DIRECTED.

THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE LOCAL FIRE AND POLICE DEPARTMENTS 24 HOURS IN ADVANCE OF CONSTRUCTION PHASING REQUIRED FOR WORK SUCH AS FOR SEWER, CULVERT CROSSINGS AND ROADWAY EXCAVATION.

UTILITIES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, THE CONTRACTOR SHALL DIAL 1-800-482-7171, OR 811, A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM. UTILITY LOCATIONS SHOWN ON THE PLANS ARE ONLY APPROXIMATE AND SHOULD BE LOCATED IN THE FIELD BEFORE EXCAVATING IN THE AREA.

TELEPHONE

AT&T
54 W. MILL ST/BOX 35
PONTIAC, MI 48342
PHONE: (248) 456-9751
EMAIL: gl2968@att.com

CABLE

CHARTER COMMUNICATIONS
ATTN: DAN BIELACZYC
1392 TRADE CENTER DRIVE
TRAVERSE CITY, MI 49696
PHONE: (231) 941-3815
EMAIL: dan.bielaczyc@charter.com

ELECTRIC TRANSMISSION

DTE ELECTRIC
8001 HAGGERTY ROAD
BELLEVILLE, MI 48111
PHONE: (734) 397-4321
EMAIL: swpa@dteenergy.com

SEWER

NORTHFIELD TOWNSHIP WWTP
ATTN: TIM HARDESTY
1150 LEMEN ROAD
WHITMORE LAKE, MI 48189
PHONE: (734) 449-4459
EMAIL: hardestyt@twp.northfield.mi.us

GAS

CONSUMER'S ENERGY
ATTN: MARTHA DIBLASE
530 WILLOW STREET
LANSING, MI 48909
PHONE: (517) 373-6100
EMAIL: martha.diblase@cmsenergy.com

SOIL BORINGS AND/OR PAVEMENT CORES

THE SOIL BORING LOCATION ON THE CONSTRUCTION SHEETS REPRESENTS POINT INFORMATION. PRESENTATION OF THIS INFORMATION IN NO WAY INFERS THAT SUBSURFACE CONDITIONS ARE THE SAME AT LOCATIONS OTHER THAN THE EXACT LOCATION OF THE BORING. SOIL BORING LOGS CAN BE FOUND IN THE APPENDIX OF THE WASHTENAW COUNTY REQUEST FOR PROPOSAL #6581.

DUST CONTROL

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON THIS PROJECT. KEEPING DUST TO A MINIMUM IS HIGH PRIORITY AND WILL BE EXPECTED TO BE MAINTAINED ON A REGULAR BASIS. DUST CONTROL WILL BE CONSIDERED INCIDENTAL TO THE PROJECT.

SAWCUTS

THE CONTRACTOR SHALL SAWCUT THE EXISTING CONCRETE AND/OR HMA PAVEMENT AND DRIVEWAYS TO THE LIMITS OF PROPOSED CONSTRUCTION, TO MAKE A NEAT AND SMOOTH CONNECTION TO THE EXISTING PAVEMENT OR DRIVEWAY AS REQUIRED AND DIRECTED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE BID FOR OTHER REMOVAL ITEMS.

FLAGGING OPERATIONS

THE CONTRACTOR AND ANY SUBCONTRACTORS WHO WILL BE USING A FLAGGING OPERATION FOR THIS PROJECT SHALL BE REQUIRED TO PROVIDE SATISFACTORY DOCUMENTATION PROVING THAT THEY HAVE MET THE MINIMUM REQUIREMENTS SET FORTH IN SECTION 812 OF THE 2012 MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION. FAILURE TO PROVIDE DOCUMENTATION WILL RESULT IN THE ROAD AUTHORITY WITHHOLDING PAYMENT FOR FLAGGING OPERATIONS.

ALL FLAGGING, SIGNAGE AND TYPE III BARRICADES SHALL BE PLACED DURING CONSTRUCTION AND SHALL BE PAID FOR AS "Traffic Control".

TREE REMOVAL

CONTRACTOR SHALL MEET ENGINEER IN FIELD TO DETERMINE AND FINALIZE ALL TREE REMOVALS AND CLEARING LIMITS PRIOR TO COMMENCING WORK.

MISCELLANEOUS

SANITARY SEWER AND MANHOLES SHOWN ON THE PLANS ARE FROM RECORD PLAN INFORMATION. IT IS BELIEVED THAT THE SANITARY MANHOLES ARE BURIED AND THESE MANHOLES WILL NEED TO BE ADJUSTED OR RECONSTRUCTED TO MATCH THE PROPOSED FINISHED GRADES.

LAWN SPRINKLER SYSTEMS AND LANDSCAPING

IT IS NOT ANTICIPATED THAT THERE IS EXISTING IRRIGATION, HOWEVER, OWNERS OF EXISTING LAWN SPRINKLER SYSTEMS AND/OR LANDSCAPING SHALL BE NOTIFIED (IN WRITING WITH A COPY SENT TO THE ENGINEER) BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF ANY WORK TO BE DONE THAT WILL AFFECT THOSE SYSTEMS AND/OR LANDSCAPING. IF THE PROPERTY OWNER FAILS TO RELOCATE THE LAWN SPRINKLER SYSTEM PRIOR TO THE CONTRACTOR BEGINNING WORK, AND IF THE CONTRACTOR CUTS THE SYSTEM DURING CONSTRUCTION, THE CONTRACTOR SHALL CAP THE SYSTEM PIPE AND WITNESS THE LOCATION OF THE CAP WITH A WOODEN STAKE FOR THE PROPERTY OWNERS USE. THE CONTRACTOR SHALL PLACE THE SALVAGED SPRINKLER HEADS ON THE PROPERTY OWNERS PROPERTY. IF THE PROPERTY OWNER FAILS TO RELOCATE THE LANDSCAPING PRIOR TO THE CONTRACTOR BEGINNING WORK, THE CONTRACTOR SHALL CAREFULLY SALVAGE THE LANDSCAPING ITEMS AND STOCKPILE THEM ON THE PROPERTY OWNERS PROPERTY FOR THE PROPERTY OWNER. ANY OTHER MODIFICATION TO THE LAWN SPRINKLER SYSTEMS AND/OR LANDSCAPING, IS THE RESPONSIBILITY OF THE OWNER AND IS NOT PART OF THIS CONTRACT. THIS WORK AND ALL REQUIRED COMMUNICATION AND COORDINATION WITH THE OWNER IS INCLUDED IN THE STATION GRADING PAY ITEM.

EARTHWORK & GRADING

THE CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIAL AT A SITE OUTSIDE OF THE PROJECT LIMITS, OR AS APPROVED BY THE ENGINEER. NO SEPARATE PAYMENT WILL BE MADE FOR LOADING, HAULING, OR DISPOSING OF THE EXCAVATED UNSUITABLE MATERIALS, BUT SHALL BE INCLUDED IN THE COST OF STATION GRADING.

ALL NATURAL SOIL LEFT IN PLACE, IN CUT SECTIONS, SHALL BE COMPACTED TO NOT LESS THAN 95 PERCENT OF MODIFIED PROCTOR TO A MINIMUM DEPTH OF 12 INCHES.

THROUGHOUT THE PROJECT, NO UNDERCUTS OR TRENCHES WILL BE LEFT OPEN AND UNBACKFILLED DURING EACH NIGHT OR NON-WORKING HOURS.

SAWING FOR PAVEMENT REMOVAL SHALL BE INCLUDED IN THE ITEM OF PAVEMENT AND SIDEWALK REMOVAL.

ALL SLOPES SHALL BE FINISHED AS CLASS A SLOPES. BACKFILL BEHIND ALL PROPOSED CURB WITH SOUND EARTH FILL AS SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER IS INCLUDED IN THE PLAN QUANTITY FOR STATION GRADING.

HOURS OF OPERATION

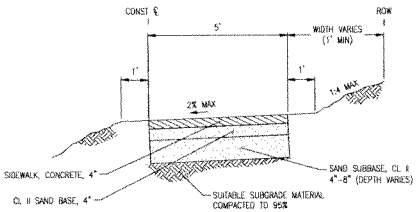
WORK MAY BE PERFORMED DURING THE HOURS OF 7:00 AM TO 7:00 PM, MONDAY THROUGH SATURDAY ONLY. WORK AT OTHER TIMES MAY BE PERFORMED ONLY BY WRITTEN PERMISSION OF THE OWNER.

ADA COMPLIANCE

ALL SIDEWALK AND SIDEWALK RAMPS SHALL BE CONSTRUCTED IN FULL COMPLIANCE WITH THE MOST CURRENT AMERICANS WITH DISABILITIES ACT (ADA) GUIDELINES FOR ACCESSIBILITY.

MISCELLANEOUS QUANTITIES THIS SHEET

TOTAL	UNIT	DESCRIPTION
1	Ea	Mobilization, Max 10%
1	LS	Traffic Control
100	Ft	Irrigation Line
10	Ea	Remove and Reset Irrigation Head
1	LS	Turf Establishment
1	LS	Digital Video Recorded Survey



TYPICAL CONCRETE SIDEWALK CROSS-SECTION

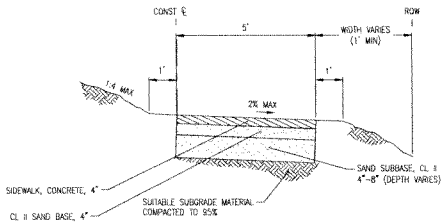
NTS

APPLIES: STA 100+00 TO STA 100+44

STA 0+00 TO STA 2+29
STA 2+29 TO STA 2+44 TRANS 2% RUNOUT

STA 2+87 TO STA 3+95
STA 3+95 TO STA 4+10 TRANS 2% RUNOUT

STA 8+85 TO STA 9+03



TYPICAL CONCRETE SIDEWALK CROSS-SECTION

NTS

APPLIES: STA 100+75 TO STA 100+95

STA 2+44 TO STA 2+72
STA 2+72 TO STA 2+87 TRANS 2% RUNOUT

STA 4+10 TO STA 8+83

NOTES:
SIDEWALK CONCRETE THICKNESS SHALL BE INCREASED TO 6" IN DRIVEWAY CROSSINGS AND RAMPS.
SUBBASE DEPTH VARIES, SEE LETTER OF GEOTECHNICAL INVESTIGATION BY G2 CONSULTING GROUP, DATED 7/1/2015, FOUND IN THE REQUEST FOR PROPOSAL APPENDIX.

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BY	DESCRIPTION
BRB	REVISED PER RCOC COMMENTS ON 8/10/16

DATE: 8/10/2016 | DESIGNED: BRB | DRAWN: JP | CHKD: JM | PROJECT MGR: MATT KAHL | SCALE: AS NOTED | WASHTENAW COUNTY | DTE/MICHIGAN GAS/AT&T/CHARTER/NORTHFIELD | MANHOLES

COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
GENERAL NOTES

SHEET 2 OF 9

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DRAWING PATH: P:\CPD\PUBLIC\SERVICES\WASHTENAW\Main_St_CDBG_Sidewalk\Drawings\Plans\CONSTRUCTION\Gen Aug 03, 2016 - 2:29pm

WATER & SEWER UTILITY SYMBOLS

EXISTING

- STORM MANHOLE
- SQUARE CATCH BASIN
- ROUND CATCH BASIN
- CULVERT
- CULVERT W/O END SECTION
- CULVERT W/END SECTION
- SANITARY MANHOLE
- CLEAN OUT
- GATE VALVE & WELL
- GATE VALVE & BOX
- WATER STOP BOX
- FIRE HYDRANT
- METER PIT
- WATER METER
- SPRINKLER HEAD
- IRRIGATION VALVE

PROPOSED

- STORM MANHOLE
- INLET/CATCH BASIN
- CULVERT END SECTION
- SANITARY MANHOLE
- GATE VALVE & WELL
- GATE VALVE & BOX
- TAPPING SLEEVE VALVE & WELL
- TAPPING SLEEVE VALVE & BOX
- FIRE HYDRANT

REAL ESTATE SYMBOLS

- CONTIGUOUS PROPERTY SYMBOL
- PARCEL NUMBER BOX
- NO ROW IMPACTS

MISCELLANEOUS UTILITY SYMBOLS

EXISTING

- GUY WIRE
- GUY POLE
- UTILITY POLE
- UTILITY POLE W/LIGHT
- LIGHT/DECOR LAMP POLE
- FLOOD LIGHT
- GAS VALVE
- GAS VENT
- GAS METER
- GAS RISER
- TRAFFIC SIGNAL
- PEDESTRIAN RISER
- TRANSFORMER PAD
- PRIVATE UTILITY MANHOLE
- RAILROAD CROSSING
- ELECTRIC METER
- PHONE BOOTH
- TRAFFIC SIGNAL CONTROLLER
- HAND HOLE
- ELECTRIC RISER
- TELEPHONE RISER
- CABLE TV RISER
- MONITORING WELL
- UNDERGROUND MARKER

MISCELLANEOUS SYMBOLS

EXISTING

- RIPRAP
- SIGN
- FLOW DIRECTION
- STUMP
- WETLAND
- CONIFEROUS TREE (D. 1 1" TO 5", D. 2 6" TO 17", D. 3 18" TO 35", D. 4 36" AND UP)
- DECIDUOUS TREE (D. 1 1" TO 5", D. 2 6" TO 17", D. 3 18" TO 35", D. 4 36" AND UP)
- CONIFEROUS SHRUB
- DECIDUOUS SHRUB
- SOIL BORING
- SECTION CORNER
- MONUMENT
- IRON ROD/PIPE
- PK NAIL
- BENCHMARK
- TRAVERSE POINT
- MAIL/NEWSPAPER BOX
- FLAG POLE
- POST
- HAZARDOUS OR FLAMMABLE MATERIAL — USED WITH UNDERGROUND GAS & ELECTRICAL LINES
- CAUTION – CRITICAL UNDERGROUND UTILITY — USED WITH TELEPHONE & FIBER OPTIC LINES

PROPOSED

- RIPRAP
- SIGN
- FLOW DIRECTION
- STRUCTURE NUMBER (WM, SAN, STM)
- ADA SIDEWALK RAMP

UTILITY PATTERN

EXISTING

- ELEC — ELECTRICAL *
- 6" (COMPANY) GAS — GAS\OIL
- (COMPANY) CABLE/TEL — CABLE/TELEPHONE *
- FIBER OPTIC — FIBER OPTIC *
- 12" WM — WATER
- 12" SAN — SANITARY
- 12" STM — STORM

PROPOSED

- 12" — STORM/SANITARY/WATER
- 12" — PRIMARY UTILITY WILL HAVE A CONTINUOUS LINESTYLE, WITH THE SECONDARY UTILITY MATCHING ITS RESPECTIVE EXISTING UTILITY LINESTYLE

*OH = OVERHEAD , UG = UNDERGROUND

ROW PATTERN

EXISTING

- ROW — ROW
- SECTION
- PROPERTY/PARCEL

PROPOSED

- ROW — ROW

TOPO PATTERN

EXISTING

- HEDGE/TREE
- FENCE
- GUARDRAIL
- CENTERLINE OF DITCH
- RAILROAD
- WETLAND/EDGE OF WATER

PROPOSED

- GRADING LIMIT (SLOPE STAKE)
- CENTERLINE OF DITCH
- GUARDRAIL
- FENCE

REMOVAL LEGEND

- SIDEWALK REMOVAL
- HMA SURFACE REMOVAL
- PAVEMENT REMOVAL
- COLD MILLING HMA SURFACE
- HMA BASE CRUSHING AND SHAPING
- EXCAVATION, EARTH, MODIFIED
- CURB AND GUTTER, REM
- TREE, REM
- S-[XXXXXX] SALVAGE
- B-[XXXXXX] BULKHEAD
- A-[XXXXXX] ABANDON
- R-[XXXXXX] REMOVE
- ADJ-[XXXXXX] ADJUST
- REL-[XXXXXX] RELOCATE
- REC-[XXXXXX] RECONSTRUCT
- R B/O-[XXXXXX] REMOVE BY OTHERS
- ADJ B/O-[XXXXXX] ADJUST BY OTHERS
- REL B/O-[XXXXXX] RELOCATE BY OTHERS

IF NECESSARY FOR CLARITY

- (S) SALVAGE
- (B) BULKHEAD
- (A) ABANDON
- (C) CLEARING
- (R) REMOVE
- (REL) RELOCATE
- (REC) RECONSTRUCT
- (REL B/O) RELOCATE BY OTHERS
- (ADJ B/O) ADJUST BY OTHERS

SPECIAL LEGEND

- (L) LANDING
- (R) RAMP

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REVISIONS

DESIGNED: WWT | DRAWN: WWT | CHECKED: MJT | SCALE: | DATE: 8/30/21 | PROJECT NUMBER: 0013-0060 | PRELIMINARY | FINAL | AS BUILT

COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
LEGEND

SHEET 3 OF 8

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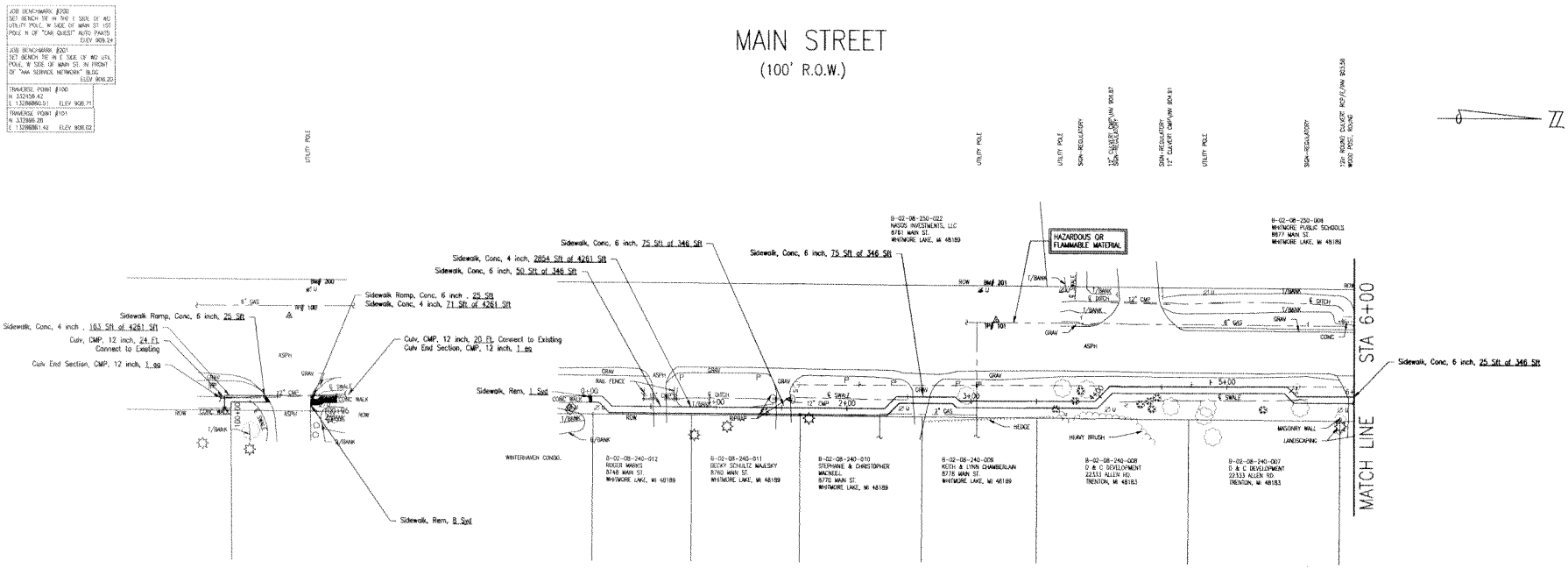
DRAWING PATH: P:\CIVIL\PROJECTS\0013\0060\Main St CDBG Sidewalk\Drawings\Preliminary\0013006004-LEGEND.dwg Aug 03, 2021 - 2:29pm

MAIN STREET
(100' R.O.W.)



EXISTING STRUCTURE ADJUST / RECONSTRUCT SCHEDULE					
STA	OFFSET	STRUCTURE TYPE	CASTING ELEVATION		ADJUST OR RECONSTRUCT
			EXISTING	PROPOSED	
1+59	18' L	SAN – MH	BURIED	908.47	RECONSTRUCT
5+49	5' L	SAN – MH	BURIED	907.27	RECONSTRUCT

QUANTITIES THIS SHEET

TOTAL	UNIT	DESCRIPTION
6.7	Sta	Station Grading
6	Syd	Pavt, Rem
9	Syd	Sidewalk, Rem
27	Ft	Culv, CMP, 12 inch
2	Ea	Culv End Sect, CMP, 12 inch
2	Ea	Reconstruct Sanitary Structure
109	Ton	Sand Subbase, CL II
3061	Sft	Sidewalk, Conc, 4 inch
50	Sft	Sidewalk Ramp, Conc, 6 inch
225	Sft	Sidewalk, Conc, 6 inch

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COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
CONSTRUCTION PLAN

4
OF 8

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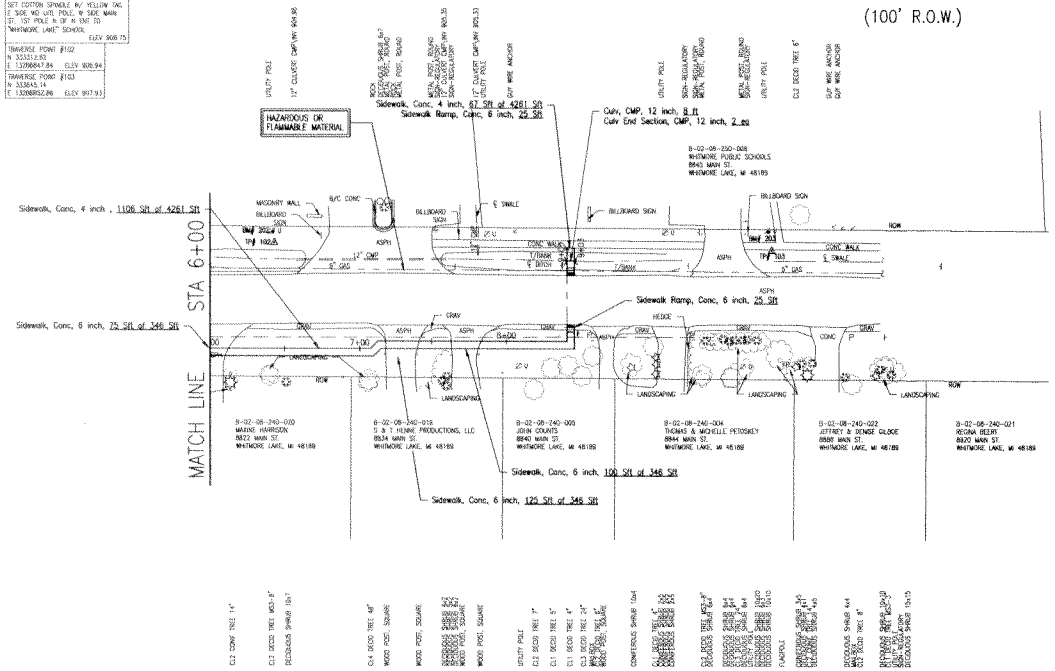
DRAWING PATH: P:\CIVIL\MDOT\2011\50053_Main_St_CDBG_Sidewalk\Drawings\Civil\Plans_Const\50053CON.dwg Aug 02, 2011 - 5:29pm

MAIN STREET
(100' R.O.W.)



QUANTITIES THIS SHEET

TOTAL	UNIT	DESCRIPTION
2.7	Sta	Station Grading
18	Syd	Pavt, Rem
8	Ft	Culv, CMP, 12 inch
2	Ea	Culv End Sect, CMP, 12 inch
47	Ton	Sand Subbase, CL II
1071	Sft	Sidewalk, Conc, 4 inch
50	Sft	Sidewalk Ramp, Conc, 6 inch
300	Sft	Sidewalk, Conc, 6 inch

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COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK

CONSTRUCTION PLAN

Know what's below. Call before you dig.

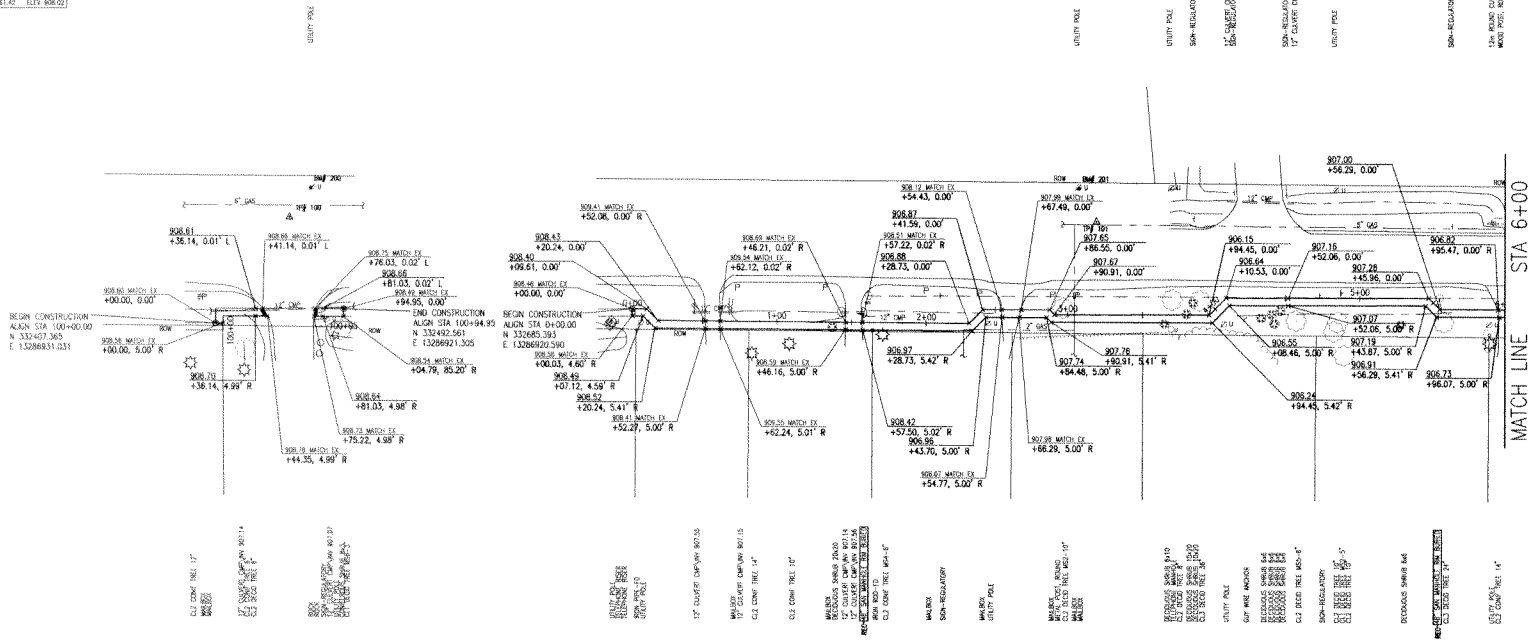
JOB BENCHMARK #200
SET BENCH TIE IN THE E SIDE OF MID UTILITY POLE, W SIDE OF MAIN ST 1ST POLE N OF "OHM QUEST" AUTO PHOTO
ELEV 908.24

JOB BENCHMARK #201
SET BENCH TIE IN E SIDE OF MID UTIL POLE, W SIDE OF MAIN ST, IN FRONT OF "AAA SERVICE NETWORK" BLDG
ELEV 905.25

TRAVERSE POINT #100
N 332456.42
E 1328680.81 ELEV 908.71

TRAVERSE POINT #101
N 332666.28
E 1328680.42 ELEV 908.02

MAIN STREET
(100' R.O.W.)



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NO.	REVISIONS	DATE

COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
GRADING PLAN

DATE	PROJECT MGR.	DESIGNED	DRAWN	CHECKED	SCALE	HORIZONTAL	VERTICAL
6/2020	JS	JS	MH	JS	1" = 40'		

SHEET 6 OF 8

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DRAWING PATH: P:\CIVIL\2020\20115002\Main_St_CDBG_Sidewalk\Drawings\Civil\Plans_Cover\20115002C01.dwg Aug 03, 2020 - 1:39pm

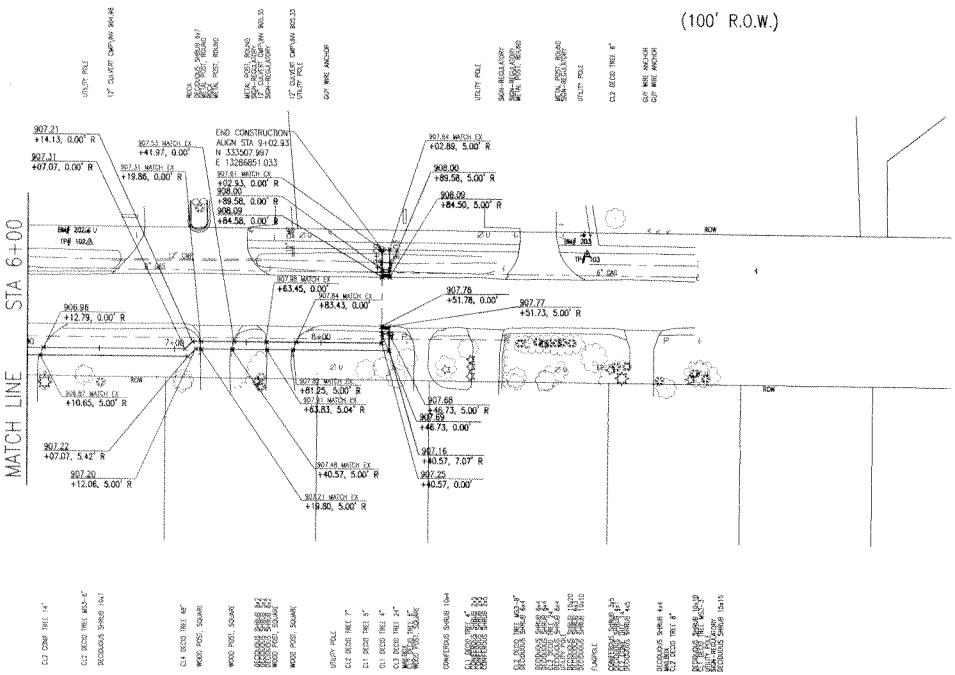
JOB BENCHMARK #207
SET DERADY TIC E SIDE WD UTIL POLE. W SIDE OF MAIN ST. 1ST POLE S OF MAIN ENT TO "WHITMORE LAKE" SCHOOL
ELEV 907.60

JOB BENCHMARK #203
SET COTTON SPINDLE W/ YELLOW TAG E SIDE WD UTL POLE W SIDE MAIN ST. 1ST POLE N OF N ENT TO "WHITMORE LAKE" SCHOOL
ELEV 906.75

TANGENSE POINT #152
N 333312.82
E 13286847.84 ELEV 906.94

TRAVERSE POINT #153
N 333045.14
E 13286852.66 ELEV 907.93

MAIN STREET
(100' R.O.W.)



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P (734) 522-6711 | F (734) 522-6427
OHM-ADVISORS.COM

REVISIONS

NO.	DATE	BY	DESCRIPTION

DRAWN	PROJ. MGR.	CHKD.	DESIGN	DETAILED/TRACED BY	SCALE	H:	V:	HORIZONTAL DATUM	VERTICAL DATUM
BNB	JP		MGH	SOUTHEAST	1" = 5'-0"			NAD83/2011	NAVD88

COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK

GRADING PLAN

SHEET 7 OF 8

Know what's below. Call before you dig.

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DRAWING PATH: P:\PROJECTS\15\0501\Mgt_Sp_CDBG_Sidewalk\Drawings\Civil\Plans_Cross\0501GCN.dwg Aug 02, 2016 - 4:56pm

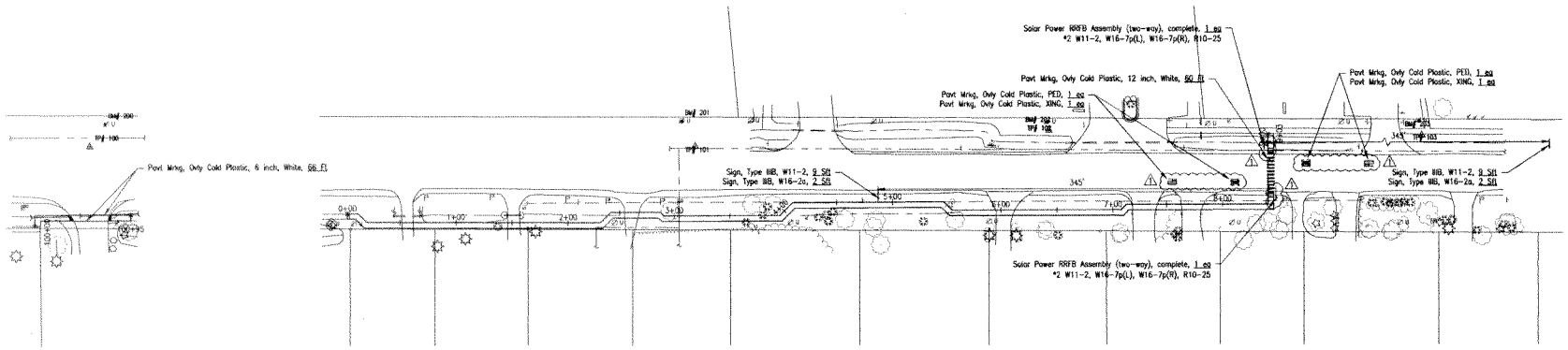
JOB BENCHMARK #202
SET BENCH TIE E SIDE WD UTIL POLE
W SIDE OF MAIN ST. 1ST POLE S OF
MAIN ENT TO "WHITMORE LAKE" SCHOOL
ELEV 907.80

JOB BENCHMARK #203
SET COTTON SPINDLE W/ YELLOW TAG
E SIDE WD UTIL POLE IN SIDE MAIN
ST. 1ST POLE N OF N ENT TO
"WHITMORE LAKE" SCHOOL
ELEV 908.75

TRAVERSE POINT #102
N 3533732.82
E 13098647.84 ELEV 905.94

TRAVERSE POINT #103
N 3533645.14
E 13098652.96 ELEV 907.83

MAIN STREET
(100' R.O.W.)



* Included in Pay Item
Solar Power RRFB Assembly (two-way), complete

SIGNING PLAN				
SIGN TYPE	DESCRIPTION	SIZE (SFT)	QUANTITY	TOTAL SFT
R10-25	PUSHBUTTON	0.75	2	1.5
W11-2	PEDESTRIAN WARNING	9	6	54
W16-2a	345 FT PLAQUE	2	2	4
W16-7p(R)	DIAGONAL ARROW PLAQUE	4.5	2	9
W16-7p(L)	DIAGONAL ARROW PLAQUE	4.5	2	9

QUANTITIES THIS SHEET

TOTAL	UNIT	DESCRIPTION
16	Ft	Post, Steel, 3 lb
22	Sft	Sign, Type IIIB
2	Ea	Solar Power RRFB Assembly (Two-Way) Complete
66	Ft	Pavt Mrkg, Ovly Cold Plastic, 6 Inch, White
80	Ft	Pavt Mrkg, Ovly Cold Plastic, 12 Inch, White
2	Ea	Pavt Mrkg, Ovly Cold Plastic, Ped
2	Ea	Pavt Mrkg, Ovly Cold Plastic,Ing

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REVISIONS
REVISED PER ROCC COMMENTS ON 08/03/16

DATE	PROJ NUMBER	ENG	PROJ MGR	CADD	COUNTY	CITY/VILLAGE/TOWNSHIP	SCALE
8/30/16	0047-15-0002	JR	JR	SH	WASHTENAW	WHITMORE LAKE	H: 1"=20' V:

COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
PAVEMENT MARKINGS

SHEET 8 OF 8

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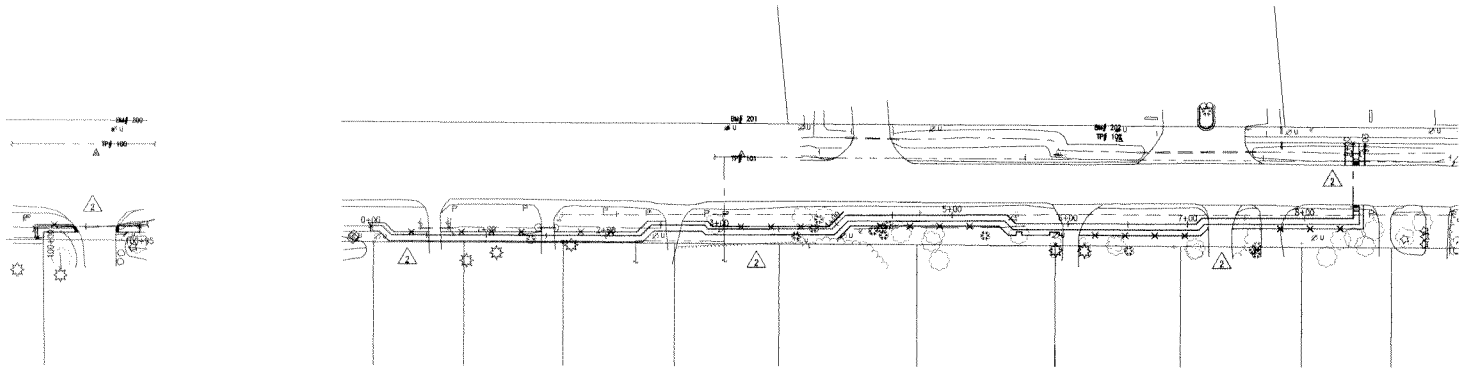
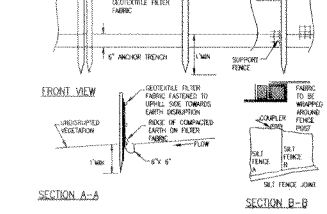
DRAWING PATH: P:\2015\0047-15-0002\05_Main_St_CDBG_Sidewalk\Drawings\CAD\Plans_Cover\150002CVR.dwg, Aug 03, 2016 - 8:39pm

JOB BENCHMARK #202	
SET BEACH ON E SIDE WD UTIL POLE, W SIDE OF MAIN ST, 1ST POLE N OF MAIN ENT TO "WASHTENAW LAKES" SCHOOL	
	ELEV 907.80
JOB BENCHMARK #203	
SET COTTON SPINDLE W/ YELLOW TAG E SIDE WD UTIL POLE, W SIDE MAIN ST, 1ST POLE N OF N ENT TO "WASHTENAW LAKES" SCHOOL	
	ELEV 908.75
TRAVERSE POINT #102	
N 3133121.62	
E 1328824.84	ELEV 908.94
TRAVERSE POINT #103	
N 3133845.14	
E 1328685.86	ELEV 907.91

MAIN STREET
(100' R.O.W.)





SILT FENCE (SP-2)
N.T.S.

QUANTITIES THIS SHEET

TOTAL	UNIT	DESCRIPTION
929	Ft	Erosion Control, Silt Fence

CONSTRUCTION SEQUENCE

1. REMOVE TREES AND BRUSH.
2. INSTALL SOIL EROSION CONTROL MEASURES.
3. REMOVE EXISTING PAVEMENT.
4. ROUGH GRADE AREA.
5. INSTALL PROPOSED SIDEWALK.
6. FINAL GRADING.
7. STABILIZE GROUND W/ VEGETATION AS NEEDED WITHIN FIVE DAYS OF COMPLETION OF FINAL GRADING.

NOTES

CONTRACTOR SHALL COMPLY WITH REQUIREMENTS OF THE SOIL EROSION AND SEDIMENTATION CONTROL ACT OF THE STATE OF MICHIGAN, PART 91 OF ACT 451, OF THE PUBLIC ACTS OF 1994; WASHTENAW COUNTY WATER RESOURCES COMMISSIONER.

1. THE CONTRACTOR SHALL CONDUCT OPERATIONS IN A MANNER THAT WILL REDUCE ACCELERATED EROSION TO THE PRACTICAL MINIMUM AND PREVENT DAMAGING SILTATION TO EXISTING SEWERS AND WATER COURSES LEAVING FROM THE WORK SITE.
2. THE CONTRACTOR SHALL CONDUCT WORK IN SUCH A MANNER AS TO PREVENT THE ENTRY OF FUELS, OILS, BITUMINOUS MATERIALS, CHEMICALS, SEWERAGE OR OTHER HARMFUL MATERIALS INTO NEARBY LAKES AND STREAMS.
3. WASTE DISPOSAL AREAS SHALL BE SELECTED BY THE CONTRACTOR WITH FULL CONSIDERATION OF EROSION AND SEDIMENT CONTROL. SELECTION OF DISPOSAL SITE, AND CONTROL OF OPERATIONS, AND THE RESTORATION OF SAID AREAS SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
4. EXCAVATION FROM THE RIGHT-OF-WAY, CHANNELS, OR OTHER MATERIAL SHALL NOT BE DEPOSITED IN OR NEAR RIVERS, STREAMS OR PONDS WHERE IT MAY ENTER THE WATERWAY.
5. AT THE COMPLETION OF EACH DAYS CONSTRUCTION, CARE SHALL BE TAKEN TO ENSURE THAT MINIMAL EROSION WILL OCCUR IN TRENCHES AND TO STOCKPILED MATERIALS UNTIL RESUMPTION OF WORK.
6. CONTRACTOR SHALL CONFINE OPERATIONS TO THE MINIMUM AMOUNT OF WORKING SPACE PRACTICAL TO MINIMIZE SOIL EROSION.
7. THE PROJECT WILL BE CONTINUALLY INSPECTED BY THE ENGINEER FOR EROSION CONTROL COMPLIANCE. DEFICIENCIES WILL BE CORRECTED BY THE CONTRACTOR IMMEDIATELY UPON NOTICE OF SUCH DEFICIENCIES. FAILURE TO CORRECT THE DEFICIENCIES MAY RESULT IN THE ISSUANCE OF A STOP WORK ORDER AND THERE WILL BE NO CONTRACT TIME EXTENSION FOR THIS ISSUED STOPPAGE.
8. TEMPORARY SOIL EROSION CONTROL MEASURES CONSISTING OF SILT FENCE, MULCHING, AND INLET FILTER TRAPS SHALL BE IMPLEMENTED THROUGHOUT THE ENTIRE CONSTRUCTION PHASE OF THE PROJECT, AND SHALL BE REMOVED BY THE CONTRACTOR AFTER THE PERMANENT SOIL EROSION MEASURES HAVE BEEN COMPLETED.
9. MULCH BLANKET OR HIGH VELOCITY MULCH BLANKET WITH NETTING TIE DOWN OR OTHER APPROVED MULCH SYSTEM SHALL BE PLACED ON DISTURBED SLOPES WHERE DIRECTED BY THE ENGINEER WHEN THE WORK IS PERFORMED DURING THE PERIOD FROM OCTOBER 1ST THROUGH APRIL 15TH. ALL SLOPES GREATER THAN 1V:6H (16%) SHALL BE STABILIZED WITH MULCH BLANKET.
10. PERMANENT SOIL EROSION MEASURES CONSISTING OF THW MIXTURE SEED AND MULCH BLANKET SHALL BE COMPLETED WITHIN 15 CALENDAR DAYS OF FINAL GRADING. IN THE EVENT IT IS NOT POSSIBLE TO PERMANENTLY STABILIZE THE AREA DUE TO SEASONAL LIMITATIONS, THE TEMPORARY MEASURES SHALL REMAIN IN FORCE AND SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL SUCH TIME AS IT IS PRACTICAL TO COMPLETE THE PERMANENT CONTROL MEASURES.
11. THE ENGINEER SHALL HAVE FULL AUTHORITY TO TEMPORARILY SUSPEND WORK IN THE EVENT THAT ANY OF THE ABOVE REQUIREMENTS ARE NOT BEING MET BY THE CONTRACTOR, OR IF CONDITIONS INDICATE THAT ADDITIONAL TEMPORARY CONTROL MEASURES ARE WARRANTED.
12. THE CONTRACTOR SHALL CLEAN OUT SEDIMENT TRAPS, INLET FILTERS, AND CHECK DAMS ON A BI-WEEKLY BASIS OR AS REQUIRED AFTER RAIN EVENTS.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STREET SWEEPING AND DUST CONTROL.

LEGEND

- MDOT SOIL EROSION SPEC.
- INLET FILTER
- GEOTEXTILE SILT FENCE

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COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
SOIL EROSION AND SEDIMENTATION CONTROL

SHEET 9 OF 9

DRAWINGS PATH: P:\SP_PROJECTS\2015\15002_Main St CDBG Sidewalk\Drawings\Cover\Plans_Cover_150002CON.dwg, Aug 02, 2016 - 5:13pm
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OHM Advancing Communities

August 3, 2016

Gary Streight
Washtenaw County Road Commission
Permit Engineering Section
555 N. Zeeb Rd.
Ann Arbor, MI 48103

RE: Washtenaw County OCED/Northfield Township
Main St. CDBG Sidewalk
Right-of-way Permit Application #12849

Dear Mr. Streight:

We are in receipt of your review letter dated August 3, 2016 regarding the above-mentioned project. We have revised the plans as necessary to satisfy your permit requirements and have outlined below how each review comment was addressed.

1. A general note regarding ADA compliance has been added to the General Notes plan sheet #2.
2. The most current edition of the MDOT R-28 standard plan series was included in an appendix as part of the contract documents, along with other referenced MDOT standard plans and special details being required for this project. As part of the contract the contractor is required to comply with those plans and details.
3. Based on our topographic survey, the existing swale between Sta 4+00 and 5+50 is very shallow, it receives a small localized drainage area, and appears to flow toward the south. This will remain as such after the sidewalk construction and some very minor overland flow may occur across the sidewalk near STA 4+00 during wet weather events. The upstream (north) end of this swale will have a small area filled to facilitate the sidewalk construction and existing positive drainage patterns will be maintained.
4. The "PED" and "XING" pavement marking symbols have been switched on the Pavement Markings plan sheet #8.
5. The RRFB location has been moved to the other side of each sidewalk ramp on the Pavement Markings plan sheet #8.
6. The draft Maintenance Agreement has been provided to Northfield Township for their review and signature.
7. The letter of retainage should be forthcoming from Northfield Township.
8. The permit inspection deposit will be provided by the contractor (GM & Sons) when the permit is approved and ready to be issued.

We appreciate your review of this project. If you have any questions or comments, please do not hesitate to contact me at 734-466-4517, or at jacob.rushlow@ohm-advisors.com.

OHM Advisors
34000 PLYMOUTH ROAD
LIVONIA, MICHIGAN 48150
T 734.522.6711
F 734.522.6427
OHM-Advisors.com

Sincerely,
OHM Advisors

Jacob Rushlow, PE
Project Manager

cc: Howard Fink, Northfield Township Manager
Matt MacDonell, Washtenaw County Road Commission
Nathan Voght, Washtenaw County Office of Community & Economic Development
File

Howard Fink

From: Jacob Rushlow [jacob.rushlow@ohm-advisors.com]
Sent: Thursday, August 04, 2016 2:51 PM
To: Howard Fink
Subject: RE: Washtenaw county Maintenance Agreement

Importance: High

Hi Howard. I had not hear back so just wanted to touch base with you and make sure you received the maintenance agreement that the County is requiring. Let me know if you need anything from me to get that signed. Thanks.

Jacob

From: Jacob Rushlow
Sent: Tuesday, August 2, 2016 3:48 PM
To: Howard Fink (finkh@twp.northfield.mi.us) <finkh@twp.northfield.mi.us>
Subject: RE: Washtenaw county Maintenance Agreement
Importance: High

Howard, I just received the maintenance agreement from the WCRC (see attached).

Any questions should be directed to Gary Streight at 734-327-6692 / streightg@wcroads.org<mailto:streightg@wcroads.org> or Matt MacDonell at 734-327-6688 / macdonellm@wcroads.org<mailto:macdonellm@wcroads.org>.

As I mentioned the WCRC is requiring this agreement be signed by the Township before they will issue the construction permit and allow work to start.

Jacob

From: Jacob Rushlow
Sent: Tuesday, August 2, 2016 3:08 PM
To: Howard Fink (finkh@twp.northfield.mi.us<mailto:finkh@twp.northfield.mi.us>) <finkh@twp.northfield.mi.us<mailto:finkh@twp.northfield.mi.us>>
Subject: Washtenaw county Maintenance Agreement

Howard,

Today at the Main St Sidewalk pre-construction meeting the Road Commission (Gary Streight) mentioned that they will be providing Northfield Township with a maintenance agreement to cover long term maintenance of the pedestrian crossing pavement markings and RRFB. I do not know the specifics of the agreement language but from what I heard at the meeting today this agreement needs to be signed before the WCRC will release the ROW permit to allow construction to start. I will forward the agreement to you as soon as I see it.

JACOB A. Rushlow, PE
PROJECT MANAGER

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F 734.522.6427
D 734.466.4517
C 734.812.7154

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Howard Fink

From: Terry Brinkman [brinkmat@ewashtenaw.org]
Sent: Thursday, August 04, 2016 3:58 PM
To: 'sean@gmandsons.com'; Howard Fink
Cc: 'jacob.rushlow@ohm-advisors.com'; 'chris.donajkowski@ohm-advisors.com'; 'streightg@wcroads.org'; Nathan Voght
Subject: Washtenaw County Pre-Construction Conference 8/2/2016 & 8/3/2016 Meeting Checklist and Meeting Minutes for Signatures
Attachments: Northfield Township Main Street Sidewalks Project Pre-Con Checklist and Minutes 8_2_2016 and 8_3_2016 for signatures.pdf

Hi Sean,

Attached is the Pre-Construction Conference Meeting Checklist and Meeting Notes for the meeting held in person at the Northfield Township Hall on Tuesday, August 2, 2016 and a follow-up meeting by phone on August 3, 2016. Please sign on the line for the Contractor after the 2nd paragraph on page 2 of the Pre-Construction Meeting Checklist. Please sign, scan and email a scan of page 2 with your signature by Monday, August 8, 2016

Howard,

If you are so inclined, could you sign the Pre-Construction Meeting Checklist for the Township underneath the 1st and 3rd paragraphs on page 2 of the Pre-Construction Conference Checklist, on the same line as "City/Village/Township" and date it. If you do not feel comfortable with signing this form because you were not in attendance, then that is fine as well.

Jacob,

If you provide a revised Pre-Con Meeting Notes, I will replace your original notes attached from your company and attach the revised notes that you send out. Your notes mainly cover the Pre-Construction meeting from 9:00 a.m. to 10:05 a.m. on Tuesday, August 2, 2016.

Thanks,

Terry

Terry R. Brinkman
Community & Economic Development Data Specialist
Washtenaw County
Office of Community & Economic Development
415 W. Michigan Ave., Suite 2200
P.O. Box 915,
Ypsilanti, MI 48197
(734) 544-2985
brinkmat@ewashtenaw.org
www.ewashtenaw.org/oced

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PRE-CONSTRUCTION CONFERENCE CHECKLIST
(Public Facilities and Public Infrastructure Projects)

Date: 8/2/2016 & 8/3/2016
Project #: Northfield Township Main Street Sidewalks Project

City/Village/Township: Northfield Township
Developer/Owner: Northfield Township
Address: 8350 Main Street
Whitmore Lake, MI 48189
Phone: 734-449-2030

Contractor Name: G M & Sons, Inc.
Address: 6744 Whitmore Lake Rd
Phone: (734) 929-1259
Fax: (734) 929-1265
Cell: (248) 798-8646
E-Mail: Sean@gmandsons.com
Contract Amount: $115,629

Construction Contracting Agency: Washtenaw County Office of Community & Economic Development (734) 544-3055

PRE-CONSTRUCTION CONFERENCE ATTENDEES

Jacob Rushlow OHM
Chris S. Donajkowski, OHM
Sean Morrissey, G M & Sons Project Manager
Nathan Voght, WC-OCED
Jerry Krikorian, WC-OCED
Gary Streight WCRC
Lori Adkins, Project Administrator

ITEMS COVERED IN THE PRE-CONSTRUCTION CONFERENCE

- N/A — Property Owner's Manual (w/Homeowner Acceptance)*
- N/A — Housing Rehabilitation Contractor's Handbook (w/Contractor Acceptance)*
- ✓ — Final Location-by-Location Review and Agreement on Work Specifications*
- ✓ — Onsite Copy of Construction Work Specifications
- N/A — *Onsite Copy of Lead Report (If applicable)**
- N/A — *Lead Based Paint Training/Certification*
- N/A — *Occupant Protection Plan*
- N/A — *Clearance Testing (interim & final)*
- N/A — Relocation Plan/Agreement (if applicable)*
- ✓ — Change Orders (Changes in Work, Extensions of Time)
- ✓ — Construction Schedule (weekly)*
- ✓ — Section 3 Requirements
- ✓ — Davis Bacon Requirements (if Applicable)
- ✓ — Progress Inspections, Payments & Sign-offs*
- ✓ — Requests for Reimbursement
- N/A — Product Information Sheets (Cut Sheets)/Green Standards
- ✓ — Building Permits (onsite copies)
- N/A — Local Building Department Inspections
- N/A — Punch list Inspection
- ✓ — Final Walkthrough Inspection
- ✓ — Waiver of Liens*
- ✓ — Sworn Statement*
- ✓ — Contractor General Warranty*
- N/A — Manufacturer Warranties and Information
- ✓ — Sub-Contractors List
- ✓ — Final Payment Request & Sign-offs
- N/A — 11th Month Inspection by CD/Developer
- N/A — Owner/Developer Evaluations of Contractor and Program Staff
- ✓ — Developer Agreements & Contracts*
- ✓ — Notice To Proceed*
- N/A — Security Documents (Mortgage and Note)*
- N/A — Owners Notice of Cancellation*

G M & Sons on phone call 8/3/2016

ADDITIONAL ITEMS COVERED IN CONFERENCE

Section 3 Plan will be completed by August 10, 2016 by G M & Sons. Washtenaw County OCED will review for approval and signatures once they receive it.

See Attached Meeting Notes from Washtenaw County OCED attached emails, and meeting notes from OHM.

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PRECONSTRUCTION CONFERENCE REPORT

I (we), the undersigned, have on this date _____, participated in a Preconstruction Conference prior to the beginning of the construction/rehab of a public facility and/or public infrastructure project within our jurisdiction. I (We) acknowledge the terms of the Owner/Public Agency/Contractor Contract, the explanation of work to be performed by the contractor, the roles of the Washtenaw County Office of Community & Economic Development (OCED) staff, and our responsibilities during the construction phase. I (We) further understand that the Washtenaw County Office of Community & Economic Development and its employees assume no responsibility for the work performed and does not warranty any work performed.

Signature of City/Village/Township: _____ Date: _____

Signature of Property Owner: _____ Date: _____

I, the undersigned, hereby certify that the Preconstruction Conference was held on this date between the property owner(s)/developer, the Washtenaw County Office of Community & Economic Development staff, and myself. I understand the procedures to be followed for the change orders and request for payment and inspections. I understand and agree that the work performed must meet the standards of performance set by the program and established by the program specification and established by the General Requirements, Work Specifications and/or Construction Plans, Owner/Contractor and or Contractor/Developer Agreement.

Signature of Contractor: _____ Date: _____

I, the undersigned, hereby certify that I participated in a Preconstruction Conference on this date.

Signature of OCED Staff: _____ Date: 8/4/16

Signature of City/Village/Township: _____ Date: _____

OHM Pre-Construction Meeting Notes: Pre-Construction Meeting Tuesday, August 2, 2016 began at approximately 9:00 a.m.

See attached OHM Pre-Construction Meeting Notes. These notes identify what was discussed at the Pre-Construction Conference meeting for the Northfield Township Main Street Sidewalk Project from 9:00 a.m. to approximately 10:05 a.m. on Tuesday, August 2, 2016 at the Northfield Township Hall at 8350 Main Street, 2nd Floor Board of Trustees meeting room. Note that these meeting notes may or could be revised or updated by OHM and if so, these minutes will be amended to include any revisions made to the OHM Pre-Construction meeting notes.

Washtenaw County OCED Pre-Construction Meeting Tuesday, August 2, 2016 Checklist Notes:

Washtenaw County OCED staff began the discussion of the Washtenaw County OCED Pre-Construction Checklist at approximately 10:05 a.m. for the Northfield Township Main Street Sidewalk Project on Tuesday, August 2, 2016 at the Northfield Township Hall at 8350 Main Street, 2nd Floor Board of Trustees meeting room.

Construction Plans on-site: G.M. & Sons will provide on-site copies of the construction plans in a pick-up truck on site. OHM will also provide on-site copies of the construction plans in a pick-up truck located on-site.

Change Orders: Terry Brinkman from Washtenaw County OCED clarified that Washtenaw County should review and sign all change orders on the project, in addition to the general contractor and Northfield Township.

Construction Schedule: Sean Morrissey, Project Manager from GM & Sons circulated the construction schedule for the project, and is attached. According to the construction schedule distributed, the project begins on Wednesday, August 3, 2016 and is scheduled to be completed by Wednesday, August 31, 2016.

Section 3 Requirements: Terry Brinkman discussed the Section 3 Requirements, including the Section 3 Plan.

Section 3 Plan: He identified the items in the Section 3 Plan that will need to be completed by GM & Sons. Specifically the on page 1 the General Contractor contact information, on Page 2, the dollar amount of the construction contract ($115,628), the 10% of the total contract is $11,563. The General Contractor (GM & Sons) will need to initial after the "General Contractor" on the line titled: "These goals are affirmed:" Also, the second highlighted area prior to "(the contractor)" should be "GM & Sons, Inc." in the first sentence of the last paragraph of page 2 under the Employment and Training section. The yellow highlighted strategies underneath the Outreach section of pages 4 and 5 should be left as they are. For the Project Neighborhood Area on Page 5, enter "Northfield Township". For the Section 3 Coordinator on page 5, Sean Morrissey indicated that he would be the Section 3 Coordinator for the General Contractor and indicated that he would type in his name and his phone number for the contact

information. On page 7, for the General Contractor, enter "GM & Sons, Inc." and the mailing address of "6784 Whitmore Lake Rd, Whitmore Lake, MI 48189".

Terry Brinkman also indicated that Attachments 3, 4, 14 and 15 in the Section 3 Plan will need to be completed by GM & Sons. For Attachment 3, indicate all of the Job Categories on the project, including those job categories employed by the general contractor and including all of the job categories employed by all of the sub-contractors on the project. For the second column, provide the total estimated positions needed for the project for each job category, for the third column provide the total number of positions occupied by permanent employees of the general contractor and all of the sub-contractors on the project for each job category. If the total number of estimated positions needed for the project (column 2) exceed the total number of positions occupied by permanent employees, it means that there will be new hires on the project, and if so, the 30% of those new hires will need to be Washtenaw County Section 3 residents, and in the fourth column, enter the total number of positions that will be filled with Section 3 Residents for each job category. If the total number of estimated positions needed for the project (column 2) equals the total number of positions occupied by permanent employees, it means that there will be no new hires on the project, which means that Section 3 new hires will not be required on the project and "0" should be entered into the fourth column titled number of positions to be filled with Section 3 Residents for each job category. Also explain why there will be no new job opportunities during the project and state the reason in the box at the bottom of Attachment 3.

For Attachment 4, GM & Sons will need to outreach to all of the applicable approved Washtenaw County Section 3 contractors for the project. Terry Brinkman indicated that of the 7 approved Washtenaw County Section 3 contractors, Saladino Construction Company, Inc. is an applicable Section 3 contractor for the project as they are a concrete paving contractor. The other 6 approved Washtenaw County Section 3 contractors are not applicable, as they do not provide concrete paving and are Housing Rehab and/or HVAC contractors which are not applicable to the project. GM & Sons is required to outreach to Saladino Construction Company about working on the project and GM & Sons can solicit a proposal and/or bid for working on the project for meeting the 10% Section 3 contracting requirement for the project and GM & Sons can evaluate any proposal or bid that they provide according to their process for procuring sub-contractors for a project. Terry Brinkman indicated that Section 3 requirements must try to be achieved for the project through a good faith effort and to the greatest extent feasible. Terry Brinkman indicated that GM & Sons will need to provide documentation that they did outreach to Saladino Construction Company, Inc., such as an email sent to them and their response. GM & Sons, Inc. will need to complete Attachment 4 indicating their outreach to Saladino Construction Company, Inc.

For Attachment 14 on Page 33, GM & Sons will need to complete this form by providing a list of all of their permanent full-time employees that work for their company and their respective job category for each employee. A computer generated employee registry is acceptable as long as it lists employee name and job category. For Attachment 15 on Page 34, GM & Sons will need to provide a listing of all of the employees who work for all of the sub-contractors on the project, including their names and their

respective job category. A computer generated employee registry is acceptable as long as it lists employee name and job category for all sub-contractors on the project. The Section 3 Plan will be completed and submitted to Washtenaw County OCED by Wednesday, August 10, 2016 for their review and approval and for further completion, and once approved Washtenaw County will sign the Section 3 Plan and route to GM & Sons for their signature. The signature can be a scanned version of the document and does not need to be in the original indelible signed ink.

Davis Bacon Requirements: Terry Brinkman began the discussion on the Davis Bacon requirements for the project. He passed out copies of the Wage Determination for the project (30 page document), as well as the Project Wage Rate Sheet, the Wage Requirement Data Sheet, the Certified Payroll form (WH-347), the English and Spanish versions of the "Employee Rights Under the Davis-Bacon Act" posters and extra business cards of Nathan Voght and Terry Brinkman of Washtenaw County OCED to be inserted in the boxes in both posters. The English and Spanish versions of the posters and Nathan's and Terry's business cards and the Wage Determination will need to be posted at job site at all times during the work and visible at all times by the workers on site. Also, once the Project Wage Rate Sheet is approved by Washtenaw County OCED, the approved Project Wage Rate Sheet will also need to be posted at the job site. Terry Brinkman passed out photos of an example of how to post the Wage Determination and posters at the site. The posters and the wage determination and the approved Project Wage Rate Sheet will need to be water proofed such as laminating the posters with the business cards attached, and laminating the approved Project Wage Rate Sheet and placing the wage determination (30-page stapled document) into a clear plastic sleeve that can be opened and accessible for viewing.

Continuing Pre-Construction Meeting at another time: Due to timing, Terry Brinkman and Nathan Voght agreed to schedule a meeting by phone at 10:00 a.m. with Sean Morrissey of GM & Sons, Inc. on Wednesday, August 3, 2016 to continue the Pre-Construction meeting for the project, which includes the Section 3 requirements, Davis Bacon requirements, the Sub-Contractor Information Sheet and to finish the discussion of all of the items on the Washtenaw County OCED Pre-Construction Conference Checklist. Terry Brinkman indicated that he would send to Sean Morrissey of GM & Sons, Inc. electronic versions of the Section 3 documents, the Davis Bacon documents, and the Sub-Contractor Information Sheet prior to the follow-up meeting for the following day at 10:00 a.m.

This portion of the Pre-Construction Conference meeting was adjourned at approximately 10:40 a.m.

Emails with Section 3 forms, Davis Bacon forms, and Sub-Contractor Information Sheet sent to GM & Sons, Inc. Monday, August 2, 2016: See attached emails from Terry Brinkman to Sean Morrissey regarding electronic versions of the Section 3 paperwork, the Davis-Bacon paperwork and the Sub-contractor Information Sheet, dated August 2, 2016.

Pre-Construction Conference Follow-up Meeting via Phone on August 3, 2016 Notes:

At approximately 10:25 a.m. on Wednesday, August 3, 2016 Sean Morrissey contacted Terry Brinkman via phone and reconvened the Pre-Construction Conference Meeting for the Northfield Township Main

Street Sidewalks Project. Also in attendance via phone was Lori Adkins, Project Administrator for GM & Sons, Inc. Nathan Voght had a meeting conflict and was not present for the meeting.

Section 3 Requirements:

Section 3 Plan: The Section 3 Plan was further discussed for clarification of submittal requirements, including Attachments 3, 4, 14, and 15. For Attachment, the "period covered" as early August 2016 through early September 2016 and Sean indicated that they would not have any new hires and Terry indicated that the box at the bottom of Attachment 3 will need to be completed explain why no new job opportunities will be available during the project, which could include the scope of the work for the project. Sean indicated that he sent an email to Saladino Construction Company on August 2, 2016 (the day before) as outreach to them about working on the project that they will need to respond back within a day and he said that he will provide that email to Washtenaw County OCED including Saladino Construction Company's response. Terry indicated that GM & Sons will need to provide a description of this outreach to Saladino Construction Company, Inc. in Attachment 4. Attachments 14 and 15 were also discussed further, specifically that the permanent full-time employees be identified in the list and their respective job categories for both the general contractor and all of the sub-contractors on the project.

Section 3 Summary Report Form (HUD Form 60002): The Section 3 Summary Report Form (HUD Form 60002) was also discussed. It was agreed to during the phone meeting that the Section 3 Summary Report Form (HUD Form 60002) will need to be completed and submitted prior to September 15, 2016, as Washtenaw County OCED needs to complete required reporting on Section 3 for all projects shortly thereafter. GM & Sons, Inc. will need to complete Part I, Columns B and C. Since there will be no new hires for this project, all of the job categories in Part I in Columns B and C will all be "0". GM & Sons, Inc. will also need to complete Part II on page 2 of the form, specifically "1. Construction Contracts" section, including answering 1.A., 1.B., 1.C. and 1.D. The total construction contract is entered in 1.A. If Saladino Construction Company is hired as a sub-contractor on the project, their total contract amount is entered into in 1.B. If they are not hired, "0" is entered on this line. 1.C. will automatically be calculated after 1.A. and 1.B are answered. For 1.D. if Saladino Construction Company is hired for the project, enter "1", if they are not enter "0". GM & Sons, Inc. will also need to complete Part III. Summary found on page 2 of the form, specifically check the line in front of "Other" and describe GM & Sons, Inc. effort to outreach to the 1 applicable approved Washtenaw County Section 3 contractor for the project about working on the project, Saladino Construction Company, Inc. including their response and GM & Sons, Inc.'s evaluation of their Saladino Construction Company's response, and include any obstacles that prevented achieving Section 3 program contracting goals.

Davis Bacon Requirements: The Davis-Bacon paperwork was then discussed.

Employee Rights Under the Davis-Bacon Act English and Spanish Posters and Davis Bacon Documents Posting On-Site: Sean indicated that he will have the English and Spanish versions of the "Employee Rights Under the Davis-Bacon Act" posters and extra business cards of Nathan Voght and Terry

Brinkman of Washtenaw County OCED attached to the poster, the Wage Determination for the project and the approved Project Wage Rate Sheet will posted on site and that these materials will be waterproofed (such as lamination of the posters and the Project Wage Rate Sheet and placing the 30-page Wage Determination for the project in a plastic sleeve) by Monday, August 8, 2016.

Davis Bacon Worker Interviews On-Site: Washtenaw County OCED staff will be conducting Davis Bacon Interviews of workers on site during the construction. During the interviews, Washtenaw County OCED staff will inspect for the "Employee Rights Under the Davis-Bacon Act" posters with Washtenaw County OCED staff business cards attached, the posting of the Wage Determination and the posting of the approved Project Wage Rate Sheet for the poster, its proximity and its visibility for workers on-site.

Wage Determination for the Project: The identification of the Wage Determination for the project was discussed, which is the 30-page document that has all of the Work Classifications for Highway projects in Washtenaw County, MI. Highway Wage Determinations are required to be used for projects involving the construction of a sidewalk in the public right of way and/or along a road or a street. Both the base hourly wage rate and the fringe benefits hourly wage rates must at a minimum follow the work classifications in the Wage Determination for Washtenaw County. The base hourly wage rate and the fringe benefits hourly wage rate can be less than the required rates for both but only if they are made up in the base hourly wage rate or the fringe benefit hour wage rate or vice versa. At a minimum all laborers and mechanics on the project must be paid the minimum of the combined hourly rate total of the base hourly wage rate and the fringe benefit hourly rate for all work classifications on the project. The Wage Determination for the project will need to be posted on site next to the English and Spanish "Employee Rights Under the Davis-Bacon Act" posters and next to the approved Project Wage Rate Sheet.

Project Wage Rate Sheet: The Project Wage Rate Sheet was also discussed. The Project Wage Rate Sheet should include the base hourly wage rate and fringe benefit hourly wage rate for all of the work classifications working on the project for the general contractor and all of the sub-contractors – it is a summary sheet for all work classifications on the project on what the general contractor and all the sub-contractors will be paying to workers on site. Once completed, GM & Sons will need to submit this sheet to Washtenaw County OCED for their approval. The Project Wage Rate Sheet should be submitted no later than by Wednesday, August 10, 2016. Once approved, it will need to be posted on-site with the Wage Determination for the project and next to the English and Spanish "Employee Rights Under the Davis-Bacon Act" posters.

Wage Requirement Data Sheet: The Wage Requirement Data Sheet is required for submittal by the general contractor and all of the sub-contractors to identify the base hourly wage rate and to identify all of the specific fringe benefits that are paid to approved third party programs on an hourly basis for all trades (work classifications) working on the project for the company and also to identify the owners of the company and other information about the company. These will need to be completed and submitted for the 1st certified payrolls submitted for each company on the project.

Certified Payroll Forms (WH-347): Terry clarified the owner's of the general contractor and all the sub-contractors will need to sign the certified payroll forms, and if there are employees of the general contractor or sub-contractor companies that sign the certified payroll form, the owner's of the general contractor or sub-contractor companies will need to provide written authorization for those specific employees to sign the certified payroll forms. They can do so either by completing and signing the last box on the Wage Requirement Data Sheet or by providing written authorization in a letter from the owner of the company. It was clarified by Terry Brinkman that another version or other versions of the certified payroll form other than the U.S. Department of Labor WH-347 Form can be used as long as it includes all of the boxes and questions and content that is found on the US DOL WH-347 form (both pages 1 and 2). Also discussed related to Davis Bacon was that written authorization from all workers that have deductions in the "other" column of the certified payroll that are not federal taxes, state taxes or FICA, that identify what the deductions are specifically for and how much and the written authorization is the worker allowing these deductions by the company. Sean indicated that it was not likely that anyone working on the project will have deductions outside of federal and state taxes and FICA. There also will not be any apprentices working on the project and the work classifications in the Wage Determination will include all work classifications working on the project. There will also not be any 1099 employees working on the project. The certified payrolls will need to be submitted on a weekly basis by the following Wednesday of each work week. The certified payrolls will need to be signed by the owners of the companies or their written authorized designee and the original signed certified payrolls in indelible ink and in paper form are to be overnighted through an express courier or received by US Mail by the Wednesday following the work week on a weekly basis. The general contractor and all of the sub-contractors will need to submit certified payrolls for all weeks of the construction of the project, including weeks where they did not have any laborers or mechanics on the construction site. If there was no laborers and mechanics on site for a week, the certified payroll must be completed in full and in the payroll the statement of "no work this week on site" or "no workers on site this week" or something must be written or labeled on each certified payroll where there is no work that week for that sub-contractor or the general contractor. All certified payrolls need to be numbered for each week, including non-work weeks.

Sub-Contractor Information Sheet: The Sub-Contractor Information Sheet was discussed. This form will need to be submitted by September 15, 2016, in order for Washtenaw County OCED to meet reporting requirements deadlines. Sean indicated that this form has already been mostly completed, and he is just waiting on the federal identification numbers for all of the sub-contractor companies on the project.

Request for Reimbursement (RFR) Form and Draws and Progress Inspections, Payments and Signoffs: Draw submittals by GM & Sons will need to be submitted to Washtenaw County OCED. Included in the draw submittals shall be the Request for Reimbursement (RFR) Form. Nathan Voght sent via email a blank version of the RFR form to Sean Morrissey on Tuesday, August 2, 2016. Nathan will send a revised version of the form that includes information specific to the funding and the amount of the contract at a later date when it is finalized. Nathan will provide further instruction about how to complete the form when he sends the finalized version of the form. Also included in the draw submittal attached to the

RFR form will need to include an invoice from GM & Sons for the work for the draw, construction lien waivers and a sworn statement. For the first draw and any other subsequent draws that are not the final draw, the construction lien waivers can be partial conditional waivers or partial unconditional waivers. The general contractor, and each sub-contractor and supplier on the project shall submit a construction lien waiver for every draw. For the final draw on the project, each sub-contractor and supplier, if possible, provides a full unconditional lien waiver, and the general contractor's (GM & Sons) lien waiver can be a partial conditional lien waiver or a partial unconditional lien waiver or a full conditional waiver, as the County's payment can be a condition for releasing the full unconditional lien waiver. After the final draw and after the final payment to the general contractor at project close-out the County will need a full unconditional lien waiver from the general contractor (GM & Sons). The sworn statement shall list every sub-contractor working on the project and every supplier providing supplies or materials for the project. Each draw package will also need to have inspection reports from the construction engineer (OHM) on the project. These can either be submitted by GM & Sons or they can be submitted by OHM.

Permits: There are no building permits involved with this project, as it is a sidewalk project. However, as discussed during the pre-con meeting in the first hour of the pre-con meeting on Tuesday, August 2, 2016, the project has pulled Washtenaw County Soil Erosion and Sedimentation Control permit and Washtenaw County Road Commission Road Right-of-Way permit. These passed permits will need to be provided with the final draw submittal.

Final Walkthrough Inspection: The final inspection shall be completed by OHM, the construction engineer on the project and the passed inspection report shall be submitted with the final draw.

Waiver of Liens: See the Request for Reimbursement (RFR) Form and Draws and Progress Inspections, Payments and Signoffs section above.

Sworn Statement: See the Request for Reimbursement (RFR) Form and Draws and Progress Inspections, Payments and Signoffs section above.

Contractor General Warranty: The contractor will provide a general warranty for the work with the final draw submittal. Sean indicated that there general warranty is for 1 year.

Construction Contract: The construction contract has been signed and approved.

Notice to Proceed: The Notice to Proceed was signed at the Pre-Con meeting on Tuesday, August 2, 2016.

Pre-Construction Conference Follow-up Meeting Adjourned: The follow-up Pre-Construction Conference was adjourned at approximately 11:00 a.m. on Wednesday, August 3, 2016.

Terry Brinkman

From: Terry Brinkman
Sent: Tuesday, August 02, 2016 2:49 PM
To: 'sean@gmandsons.com'
Cc: Nathan Voght
Subject: Northfield Township Main Street Sidewalk CDBG Project -- Section 3 Forms
Attachments: Section 3 Plan Template for Northfield Twp Main St. CDBG Public Infrastructure and Facilities WCOCED_2016.doc; Washtenaw County OCED Section 3 Contractor Approved List_with_emails_7_12_2016.pdf; Section_3_Summary_Report_Form_Excel_version_HUD_60002.xls

Hi Sean,

This is email 1 of 3 that I am sending that includes the forms that we talked about today and the forms we will discuss tomorrow.

Attached is the Section 3 Plan Template, the Washtenaw County OCED Section 3 Contractor Approved List, and the Section 3 Summary Report Form (HUD Form 60002) Excel version.

Please complete all of the yellow highlighted areas in the form that pertain to the General Contractor, the General Contractor signature on page 7, Attachment 3 on page 10, Attachment 4 on page 11, Attachment 14 on page 33, and Attachment 15 on page 34 for each and all sub-contractors on the project.

Specifically, on page 2 fill in the total dollar amount of the construction contract is $115,628, fill in the 10% of the total construction contract is $11,563, initial by the General Contractor "These goals are affirmed:", fill in for the contractor G.M. & Sons in the yellow area in the bottom paragraph of page 2, on page 4 and 5 on under "Outreach", leave everything in yellow as is, for Project Neighborhood Area on page 5 type in "Northfield Township", for Section 3 Coordinator on Page 5 enter your name and your phone number, on page 7 under General Contractor print and type name of company, then sign and date and then print your name and title below your signature. On Page 10, complete Attachment 3 including all job categories working on the project among all workers working for the general contractor and all sub-contractors on the project, provide an estimate of the total positions needed for the project by job category, provide the number of positions occupied by permanent employees who currently work for the general contractor and all sub-contractors on the project, and provide the total number of positions to be filled with Section 3 Residents. If the first column equals the second column, then there are no new hires needed for the project, which means that there will not be a need to have new hires be filled with Section 3 Residents and the numbers in the third column will all be 0. If number in the 1st column exceeds the number in the second column then you will have new hires on the project and 30% of those new hires will need to be Washtenaw County Section 3 Residents. If the total number of new hires needed for the project is 2 or less, then at least 1 of the new hires will be required to be Section 3. Also complete Attachment 4 on page 11, indicated the effort to solicit a bid from the applicable Section 3 contractor for this project, which is outreach to Saladino Construction Company. Also complete Attachment 14 on page 33 providing a list of all of your company's permanent full-time employees and their respective job category. Also complete Attachment 15 on page 34 for all sub-contractors on the project, listing all of their permanent full-time employees and their respective job categories. We will complete the other yellow-highlighted areas not described above in the document and then circulate for signatures.

The Section 3 Summary Report Form will need to completed as part of your submittal for the final draw. We provided an overview on how to complete this form today, but we can review with you at the time of the final draw on how to complete this form.

Thanks,

Terry

Terry R. Brinkman
Community & Economic Development Data Specialist
Washtenaw County
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Terry Brinkman

From: Terry Brinkman
Sent: Tuesday, August 02, 2016 3:45 PM
To: 'sean@gmandsons.com'
Cc: Nathan Voght
Subject: Northfield Township Main Street Sidewalk CDBG Project -- Davis Bacon Documents and Forms
Attachments: MI Highway Wage Determination 6-24-16.pdf; Project Wage Rate Sheet.doc; Wage Requirement Data Sheet.pdf; Wage Requirement Data Sheet Example.pdf; wh347.pdf; Davis_Bacon_Poster_English_fedprojc.pdf; Davis_Bacon_Poster_Spanish_fedprojc.pdf

Hi Sean,

Attached is the Wage Determination for this project.

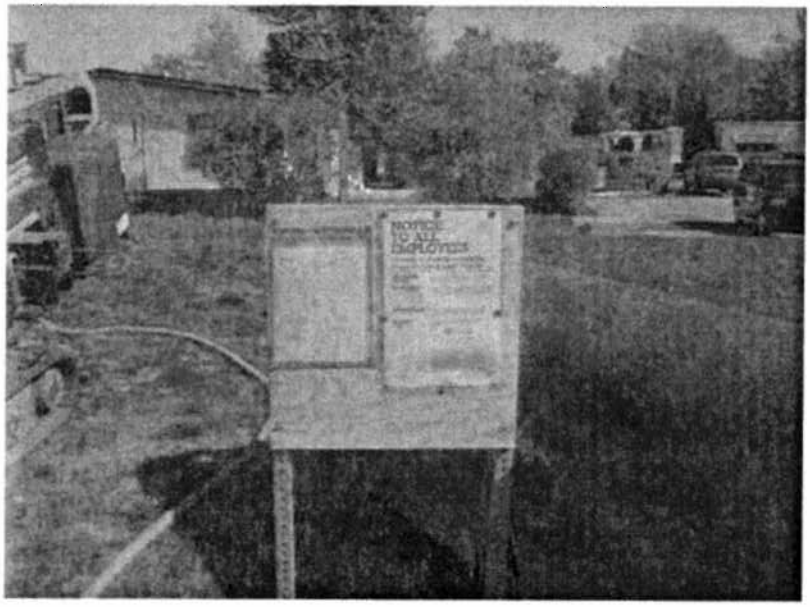
The second attachment is the Project Wage Rate Sheet. Please complete this form before the end of this week. Indicate the base hourly rate and fringe benefit rate for each work classification working on the project, including all work classifications working for your company and all work classifications working for all of the sub-contractors on the project. The base hour rate and fringe benefit rate at a minimum must be equal to the combined rate of the base hourly rate and the fringe benefit hourly rate for each of the work classifications in the Wage Determination. Once you complete the Project Wage Rate Sheet, we will review it to see if it meets the Wage Determination for the project, and then sign it for approval and provide a copy to you with our signature.

Each sub-contractor on the project and your company will each need to complete the Wage Requirement Data Sheet (3rd attachment). We only have this form in .pdf form, so you can handwrite in the information, so long it is legible and then scan the document. Complete the entire document, including company information on the 1st page and including providing the base hour wage rate and all of the individual fringe benefits by an hourly rate for each trade employed on the project by your company and for each sub-contractor on the second page. Again, the base hour rate and fringe benefit rate at a minimum must be equal to the combined rate of the base hourly rate and the fringe benefit hourly rate for each of the work classifications in the Wage Determination. Please submit these forms with the first certified payroll submittal. The fourth attachment is an example on how to complete this form.

The fifth attachment is the certified payroll form (WH 347). Each sub-contractor and your company will need to submit this form for all work weeks on the project by Wednesday of following the work week. Since work is beginning this week, you will need to provide these completed certified payroll forms by next Wednesday (August 10, 2016) for the first work week for all subcontractors working on the project and for your for your company. We need to review the certified payrolls on a weekly basis, as there is a short time-frame for this project and it is best to submit these forms weekly for a project that has a relative short time frame. For the deductions section of the form (columns under 8), if the worker has deductions outside of FICA, outside of withholding tax, and outside of state tax, and has deductions in the "Other" column, we will need an signed authorization from the worker in which those funds are being deducted from their paycheck authorizing the deductions in the "other" column and must indicate what the deductions in the "other" column are for. Please complete all of page 2 of the certified payroll form, indicating whether you are paying fringe benefits to workers through 3rd party programs (check 4.a.) or through cash (check 4.b.) and also provide any exceptions in 4.c. Each certified payroll must be signed by the company's owner. If someone other than the company's owner signs the certified payroll, then the company's owner has to authorize those company employees in the last box of page 1 of the Wage Requirement Data Sheet submitted by the company.

Additionally, you will need to post the attached Davis Bacon poster, both the English version and the Spanish version along with the wage determination for the project at the project site where most of the work on the project is occurring

so that it is visible by workers on the project at all times during the construction schedule. Also attached the Project Wage Rate Sheet once that is approved by our office. Please attach Nathan's business card and my business card in the box in each of the versions of the poster, as we will be the contacts for the Davis Bacon requirements of the project. Because these documents will be outside, please try to make them so that they are waterproof, such as laminating the posters with our cards attached, and provide a plastic sleeve for the wage determination, as that document has multiple pages. Below is an example of how the Davis Bacon poster with contact and the wage determination were posted on site during a sidewalk/rapid flashing beacon construction project. Ideally, it would be best that this posting could be portable to move when the work moves on the project so that it is visible and findable at all times during the project. We will be conducting on-site worker interviews for this project which includes inspection the work site for the Davis Bacon posters, the wage determination and the project wage rate sheet on site:



There are other forms related to Davis Bacon, and I might mention these tomorrow on there applicability to this project, but we can discuss tomorrow about the forms attached and the certified payroll submittal requirements.

Thanks,

Terry

Terry R. Brinkman
Community & Economic Development Data Specialist
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ECONOMIC DEVELOPMENT
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Terry Brinkman

From: Terry Brinkman
Sent: Tuesday, August 02, 2016 3:56 PM
To: 'sean@gmandsons.com'
Cc: Nathan Voght
Subject: Northfield Township Main Street Sidewalk CDBG Project -- Sub-Contractor Information Sheet
Attachments: Sub-Contractor Information Sheet_Developer_FIN Public Facilities and Infrastructure.doc

Hi Sean,

This is the 3rd of 3 emails.

Please complete the Sub-Contractor Information Sheet. We provided this form in paper form to you today, and attached is a digital version of the form. For each sub-contractor, please provide the name of the sub-contractor company, their federal identification number, the address, the contact person, phone number, work done, sub-contract amount, whether they are a minority-owned business enterprise (MBE) and/or a woman/women-owned business enterprise (WBE) and the race of the owner(s) of the company. We need this information for reporting requirements for the CDBG funding. Please provide this completed form by the final draw on the project, or by Monday, September 15, 2016, whichever is earlier. We have the CDBG requirements due soon and that is why we absolutely need it by September 15, 2016, unless the final draw is submitted prior to September 15th.

Thanks,

Terry

Terry R. Brinkman
Community & Economic Development Data Specialist
Washtenaw County
Office of Community & Economic Development
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Please consider the environment before printing this email

DATE: **August 2, 2016**

TIME: **9:00 A.M.**

LOCATION: **Northfield Township Hall**
8350 Main Street
Whitmore Lake, MI 48189

SUBJECT: **Main Street Sidewalk Improvements – Northfield Township**

OHM Job No.: 0161-15-0023

Project Description:
This project consists of construction of approximately 950 feet of 5-foot wide sidewalk along the south side of Main Street from the Westbrook apartment complex to the Whitmore Lake Middle School.

The approximate quantities of the major items of Work are:

Sand Subbase, Cl II	156 ton
Sidewalk, Conc, 4 inch	4,132 sft
Sidewalk Ramp, Conc, 6 inch	100 sft
Sidewalk, Conc, 6 inch	525 sft

The preconstruction meeting was call to order at 9:00 A.M., August 2, 2016 at the Northfield Township Hall office by Jacob Rushlow.

Introductions were conducted and an attendance list is attached.

Designation of Supervisors:

For **Northfield Twp**
Township Manager - Howard Fink

For **Washtenaw County**
Project Manager - Nathan Voght

For **OHM**
Project Manager - Jacob Rushlow
Construction Engineer - Chris Donajkowski
Construction Technician - TBD

For the **Contractor (GM & Sons)**
Project Superintendent -
Safety Supervisor -
Project Foreman -

Addenda:
One addendum was issued for this project dated July 1, 2016.

Permits: See attached permit approval letters for more details. Permits fees are the responsibility of the Contractor per the General Conditions of the contract.

Permit	Issuing Agency	Issue Date	Permit Number
Soil Erosion and Sedimentation Control	WCWRC	*approved but not issued until contractor picks up	
Road ROW	WCRC	*approved but not issued until contractor picks up	

Bonds:
Performance Bond, Payment Bond, and Maintenance and Guarantee bond are included in the executed contract.

Subcontractors:
Subcontractors named: TBD

Environmental Concerns:
None Identified.

SESC: Periodic inspections will be performed throughout the project as outlined in the WCWRC permit and per the approved soil erosion plans for the site. Katie Lee (WCWRC) is the SESC contact for the site. The Contractor's representative will be contacted by the SESC officer to correct any deficiencies that are noted during regular inspections of the site. If these items are not completed in a timely manner, an official Notice of Deficiency will be forwarded to the Contractor outlining any corrective actions that must be taken to bring the site into conformance. Failure to correct deficiencies on the site will result in a recommendation to the Township to schedule a Show Cause Hearing and may result in a stop work order and fines for the Contractor. Minimum SESC measures include but are not limited to:

- Maintain SESC as needed or directed. Contractor shall practice good housekeeping and sweep the surrounding paved areas as needed.
- Do not remove SESC until vegetation is established or as directed by the Engineer.
- Tree removal, unless noted on the Drawings, or trimming shall not be allowed. Approval by the Owner and/or the Engineer shall be required prior to any tree work not shown in the documents being done.

Inspections:
The following inspections are necessary:

- SESC installation verification
- While work on any concrete pavement is ongoing
- While work on any underground utility is ongoing
- Structure adjustments will be directed by OHM or utility company having ownership

Safety Program: A copy of the Contractor's safety program shall be provided to the Township and OHM for reference. It is the Contractor's responsibility to ensure a safe working environment during the construction period duration. A copy of the safety program shall be provided on-site and the Contractor is strongly encouraged to conduct weekly safety meetings.

It is the Contractor's responsibility to comply with all current MIOSHA/OSHA standards where applicable including confined space regulations for new construction. Attendance at the pre-construction meeting by the Contractor's representative acknowledges understanding of this obligation. The Municipality and its

engineering consultant (OHM) will not oversee the Contractor's operations from the stand point of safety and are not obligated to act as the Contractor or Subcontractor's safety officer.

24-Hour Emergency Numbers:

To be provided by Contractor:

Fire and Safety:
The contact at the Northfield Township Fire Department is Chief William Wagner. He can be reached at (734) 449-2385 or wagnerw@twp.northfield.mi.us for any non-emergency situations. In the case of an on-site injury or damage to gas and electric lines that may threaten life, the contractor should call 911 and subsequently halt all operations on site. The Northfield Township Fire Department will then contact all relevant jurisdictions and make a final determination of when the site operations may continue.

Construction Submittals:
The Construction Schedule has been provided for at the pre-construction conference. The substantial project completion date is September 2, 2016 (sidewalk installed and open for use). The final completion date (restoration and punchlists complete) is September 30, 2016 in accordance with the contract documents.

The Preliminary Schedule of Submittals should be provided by the Contractor for the Engineer's use. Major material submittals should be submitted as early as possible in order to meet the project's critical path.

Monthly Estimates:
Contractor shall submit statement of work completed in the previous month according to the bid tabulation by the first Saturday of the Month. Payment recommendation will be submitted to the Washtenaw County OCED by the Engineer for 90 percent of the value as determined by the Engineer within 10 days of receiving the request. **A Declaration is required for pay applications.** The Washtenaw County OCED will perform wage rate interviews as required with the Federal funding source -- certified payrolls are required.

Liquidated Damages:
The liquidated damages on this project are $600.00 per calendar day beyond substantial and/or final completion time as noted in the Agreement.

Substantial Completion:
The Contractor shall provide written notification that the entire Work is ready for its intended use and is substantially complete. The Owner, Contractor, and Engineer shall make an inspection and determine a final punchlist or notify that the work is not substantially complete. At the time of the inspection division of responsibilities between substantial completion and final acceptance for the operation and maintenance will be agreed upon.

Final Inspection:
Upon written notice from the contractor that the entire Work is complete, the Owner, Engineer, and Contractor will make a final inspection which reveals any remaining items.

Final Documents:
For final estimate processing, the following documents will need to be supplied by the Contractor: original Davis-Bacon and Section 3 paperwork, sworn statements from the contractor and sub-contractors, and waivers of lien.

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Contract Modification Procedures:

Contract Modification Procedures – It is extremely important to all parties that any requests, changes or orders of work, price or time is documented in writing and following the proper form of the General Provisions of the Contract, including the General and Supplementary Conditions. Below is a proper form an order of operations to issue a change. The Contractor is required to have a representative on the project site at all times to receive and sign work orders.

- **Request for Information (RFI):**
  A written document initiated by the Contractor which requests clarification to items of work from the Engineer.

- **Bulletin:**
  A document regarding possible changes to the contract documents which is issued by the Engineer for the Township and requests add or deduct costs from the Contractor

- **Field Order**:
  A written order issued by the Engineer which requires minor changes in the work but does not involve a change in the contract price or contract times.

- **Work Change Directive:**
  A written statement to the Contractor issued on or after the effective date of the Agreement and signed by the Township and recommended by the Engineer ordering an addition, deletion, or revision in the work, or responding to differing or unforeseen subsurface or physical conditions under which the work is to be performed or to emergencies.

- **Change Order:**
  A document recommended by the Engineer which is signed by the Contractor and Township and authorizes an addition, deletion, or revision in the work or adjustment in the contract price or contract times, issued on or after the effective date of the Agreement.

- **Claims:**
  If the Contractor intends to seek extra compensation for any reason not specifically covered elsewhere in the contract, the contractor shall notify the Engineer in writing of the contractor's intention to make claim for such extra compensation before beginning work on which the contractor intends to base a claim; or the contractor shall notify the Engineer within 24 hours after commencement of the delay, suspension of work, loss of efficiency, loss of productivity or similar event on which the claim will be based. The Contactor shall notify the Engineer in writing within 30 days of the delay, suspension of work, loss of efficiency, loss of productivity or similar event on which the claim will be based.

- **Extension of Time:**
  Request for extension of time due to delays shall be filed in writing by the contractor with the Engineer not later than 30 days following the termination of the delay. In case of delays due to adverse weather, the request for extension of time shall be filed within 30 days following the end of the calendar month in which the delay occurred. The contractor shall set forth fully therein the reasons, which are believed to justify the Engineer in granting the request. Failure to notify the Engineer as provided above will constitute a waiver of claim for an extension of time.

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Contract Specifications:
The specifications for this contract were reviewed and discussed.

Plan Sheets:
The following plan sheet notes and items were noted and discussed:

The latest construction plan is found in the bid set dated June 16, 2016.

Miscellaneous notes:

- Work hours are Monday-Saturday 7:00 A.M. to 8:00 P.M. per the "Northfield Township Anti-Noise and Public Nuisance Ordinance." No Sunday or Holiday Work is permitted.
- Temporary Construction trailers are not permitted to be kept within the road right-f-way.
- Loading and unloading of construction material may not be performed within the traveled public right-of-way.
- Traffic control must be in compliance with the Michigan Manual of Uniform Traffic Control Devices in conjunction with local construction permit requirements or stipulations and any detour, staging or traffic control diagrams incorporated into approved plans.
- Excess material should be legally disposed of off-site. Contact the Municipality before transporting any material to other sites (including residential) within the municipality. Local ordinances may require prior approval.
- The contractor is reminded to contact MISS DIG (1-800-482-7171) 72 hours or 3 days prior to mobilization to the project and make any further inquiries to MISS DIG as construction continues or changes.
- If the Contractor is staging or storing on-site any combustible, flammable or corrosive chemicals, then these containers must have an OSHA approved secondary containment system.
- The Washtenaw County OCED prefers that the Engineer handle all inquiries, complaints and/or damage claims from residents here or abroad. The Engineer is provided with a "Claim Form" to record any such instances.
- Would the Washtenaw County OCED like to Schedule the first progress meeting now?

Review: These minutes should be reviewed as soon as copies are received. Please report any discrepancies to this writer immediately so necessary corrections can be made.

NOTES RECORDED BY: Chris Donajkowski, Construction Engineer

Enclosures

Cc: Jacob Rushlow, P.E., OHM
File

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
11	Washtenaw County , Northfield Township Main Street Sidewalk CDBG Project																							
12																								
13	Week of	8-1-2016					8-8-2016					8-15-2016					8-22-2016					8-29-2016		
14		Mon	Tues	Wed	Thurs	Fri	Mon	Tues	Wed	Thurs	Fri	Mon	Tues	Wed	Thurs	Fri	Mon	Tues	Wed	Thurs	Fri	Mon	Tues	Wed
15	Mobilize to site																							
16	Set-up Traffic Control																							
17	Install Soil Erosion Control																							
18	Sawcutting Existing Pavement																							
19	Site Utility Installation																							
20	Perform Removals / Excavation																							
21	Undercut																							
22	Install Concrete Pavement (GMSI)																							
23	Concrete Curing Time																							
24	Install Crosswalk / Signal																							
25	Landscape Restoration																							
26																								

Howard Fink

From: Jacob Rushlow [jacob.rushlow@ohm-advisors.com]
Sent: Monday, August 08, 2016 4:11 PM
To: Terry Brinkman; 'sean@gmandsons.com'; Howard Fink
Cc: Chris Donajkowski; 'streightg@wcroads.org'; Nathan Voght
Subject: RE: Washtenaw County Pre-Construction Conference 8/2/2016 & 8/3/2016 Meeting Checklist and Meeting Minutes for Signatures
Attachments: image001.jpg

Thanks Terry. We are working on finalizing our meeting minutes and should have those sent out soon.

JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

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D 734.466.4517
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From: Terry Brinkman [mailto:brinkmat@ewashtenaw.org]
Sent: Thursday, August 4, 2016 3:58 PM
To: 'sean@gmandsons.com' <sean@gmandsons.com>; Howard Fink <finkh@twp.northfield.mi.us>
Cc: Jacob Rushlow <jacob.rushlow@ohm-advisors.com>; Chris Donajkowski <chris.donajkowski@ohm-advisors.com>; 'streightg@wcroads.org' <streightg@wcroads.org>; Nathan Voght <voghtn@ewashtenaw.org>
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Jacob,

If you provide a revised Pre-Con Meeting Notes, I will replace your original notes attached from your company and attach the revised notes that you send out. Your notes mainly cover the Pre-Construction meeting from 9:00 a.m. to 10:05 a.m. on Tuesday, August 2, 2016.

Thanks,

Terry

Terry R. Brinkman
Community & Economic Development Data Specialist Washtenaw County Office of Community & Economic Development
415 W. Michigan Ave., Suite 2200
P.O. Box 915,
Ypsilanti, MI 48197
(734) 544-2985
brinkmat@ewashtenaw.org<mailto:brinkmat@ewashtenaw.org>
www.ewashtenaw.org/oced<http://www.ewashtenaw.org/ocd>

[OCED Logo 6 transparent.JPG]
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Howard Fink

From: Terry Brinkman [brinkmat@ewashtenaw.org]
Sent: Tuesday, August 09, 2016 6:34 PM
To: 'Jacob Rushlow'; 'sean@gmandsons.com'; Howard Fink
Cc: Chris Donajkowski; 'streightg@wcroads.org'; Nathan Voght
Subject: RE: Washtenaw County Pre-Construction Conference 8/2/2016 & 8/3/2016 Meeting Checklist and Meeting Minutes for Signatures

Thanks for the update Jacob,

Terry

Terry R. Brinkman
Community & Economic Development Data Specialist
Washtenaw County
Office of Community & Economic Development
415 W. Michigan Ave., Suite 2200
P.O. Box 915,
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JACOB A. Rushlow, PE
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Terry

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Howard Fink

From: Jacob Rushlow [jacob.rushlow@ohm-advisors.com]
Sent: Wednesday, August 10, 2016 8:36 AM
To: Howard Fink
Subject: RE: Washtenaw county Maintenance Agreement

Importance: High

Good morning Howard. Did the Township Board authorize signature of the WCRC maintenance agreement last night? If so please forward a scanned copy to me and Gary Streight (streightg@wcroads.org<mailto:streightg@wcroads.org>) so the permit can be issued to GM & Sons. Thanks.

Jacob

From: Jacob Rushlow
Sent: Tuesday, August 2, 2016 3:48 PM
To: Howard Fink (finkh@twp.northfield.mi.us) <finkh@twp.northfield.mi.us>
Subject: RE: Washtenaw county Maintenance Agreement
Importance: High

Howard, I just received the maintenance agreement from the WCRC (see attached).

Any questions should be directed to Gary Streight at 734-327-6692 / streightg@wcroads.org<mailto:streightg@wcroads.org> or Matt MacDonell at 734-327-6688 / macdonellm@wcroads.org<mailto:macdonellm@wcroads.org>.

As I mentioned the WCRC is requiring this agreement be signed by the Township before they will issue the construction permit and allow work to start.

Jacob

From: Jacob Rushlow
Sent: Tuesday, August 2, 2016 3:08 PM
To: Howard Fink (finkh@twp.northfield.mi.us<mailto:finkh@twp.northfield.mi.us>) <finkh@twp.northfield.mi.us<mailto:finkh@twp.northfield.mi.us>>
Subject: Washtenaw county Maintenance Agreement

Howard,

Today at the Main St Sidewalk pre-construction meeting the Road Commission (Gary Streight) mentioned that they will be providing Northfield Township with a maintenance agreement to cover long term maintenance of the pedestrian crossing pavement markings and RRFB. I do not know the specifics of the agreement language but from what I heard at the meeting today this agreement needs to be signed before the WCRC will release the ROW permit to allow construction to start. I will forward the agreement to you as soon as I see it.

JACOB A. Rushlow, PE
PROJECT MANAGER

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Howard Fink

From: Jacob Rushlow [jacob.rushlow@ohm-advisors.com]
Sent: Thursday, August 11, 2016 4:01 PM
To: Terry Brinkman; 'sean@gmandsons.com'; Howard Fink
Cc: Chris Donajkowski; 'streightg@wcroads.org'; Nathan Voght
Subject: RE: Washtenaw County Pre-Construction Conference 8/2/2016 & 8/3/2016 Meeting Checklist and Meeting Minutes for Signatures
Attachments: image001.jpg; Main St Sidewalk Precon Minutes.pdf

Terry, attached are my pre-construction meeting minutes for incorporation with your notes.

JACOB A. Rushlow, PE
PROJECT MANAGER

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www.ewashtenaw.org/oced<http://www.ewashtenaw.org/ocd>

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OHM

WASHTENAW COUNTY
OFFICE OF COMMUNITY AND ECONOMIC DEVELOPMENT
PRE-CONSTRUCTION MEETING
SIGN IN SHEET

Project: Main Street Sidewalk – Northfield Twp **Date:** August 2, 2016

OHM Project No: 0161-15-0023 **Municipality Project No.:** RFP #6881

Please print the following information and provide a business card to the OHM representative.

NAME	COMPANY	PHONE	EMAIL
Nathan Voght	Washtenaw Co.	734-544-3055	voghtn@ewashtenaw.org
Jacob Rushlow	OHM	734-466-4517	jacob.rushlow@ohm-advisors.com
Chris Donajkowski	OHM	734-891-2447	chris.donajkowski@ohm-advisors.com
Terry Brinkman	Washtenaw Co.	734-544-2905	brinkmat@ewashtenaw.org
SEAN MORRISSEY	G-M+SONS	734-929-1257	sean@gmandsons.com
GARY STREIGHT	WCRC	734-327-6692	STREIGHTG@WCROADS.ORG

Note: Contact OHM Construction Department at 734-466-4539, Monday through Friday 8 am – 4 pm to schedule inspection at least 3 working days prior to start of construction, or send a fax request to 734-522-6427, attn Construction Department.

All persons listed above will receive a copy of this information packet via fax.

Please include the Project Name and OHM Project Number on all correspondence

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WASHTENAW COUNTY
OFFICE OF COMMUNITY AND ECONOMIC DEVELOPMENT

PRE-CONSTRUCTION MEETING
SIGN IN SHEET

Project: Main Street Sidewalk – Northfield Twp **Date:** August 2, 2016

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Jacob Rushlow	OHM	734-466-4517	jacob.rushlow@ohm-advisors.com
Chris Donajkowski	OHM	734-891-2447	chris.donajkowski@ohm-advisors.com
Terry Brinkman	Washtenaw Co.	734-544-2985	brinkmat@ewashtenaw.org
Sean Morrissey	GM & Sons	734-929-1259	sean@gmandsons.com
Gary Streight	WCRC	734-327-6692	streightg@wcroads.org

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www.ohm-advisors.com

DATE: **August 2, 2016**

TIME: **9:00 A.M.**

LOCATION: **Northfield Township Hall**
8350 Main Street
Whitmore Lake, MI 48189

SUBJECT: **Main Street Sidewalk Improvements – Northfield Township**

OHM Job No.: 0161-15-0023

Project Description:
This project consists of construction of approximately 950 feet of 5-foot wide sidewalk along the south side of Main Street from the Westbrook apartment complex to the Whitmore Lake Middle School.

The approximate quantities of the major items of Work are:

Sand Subbase, Cl II	156 ton
Sidewalk, Conc, 4 inch	4,132 sft
Sidewalk Ramp, Conc, 6 inch	100 sft
Sidewalk, Conc, 6 inch	525 sft

The preconstruction meeting was call to order at 9:00 A.M., August 2, 2016 at the Northfield Township Hall office by Jacob Rushlow.

Introductions were conducted and an attendance list is attached.

Designation of Supervisors:

For **Northfield Twp**

Township Manager	-	Howard Fink

For **Washtenaw County**

Project Manager	-	Nathan Voght
	-	Terry Brinkman

For **OHM**

Project Manager	-	Jacob Rushlow
Construction Engineer	-	Chris Donajkowski
Construction Technician	-	Tim Orsini

For the **Contractor (GM & Sons)**

Project Superintendent	-	Sean Morrissey
Safety Supervisor	-	Sean Morrissey
Project Foreman	-	

Addenda:
One addendum was issued for this project dated July 1, 2016. WCOCED will attach the addendum to the full contract.

Permits: See attached permit approval letters for more details. Permits fees are the responsibility of the Contractor per the General Conditions of the contract.

Permit	Issuing Agency	Issue Date	Permit Number
Soil Erosion and Sedimentation Control	WCWRC	*applied for but not yet approved; not issued until contractor picks up	TBD
Road ROW	WCRC	*approved but not issued until contractor picks up	TBD

- 3% deposit to WCRC needed/
- WCRC is requiring a maintenance agreement with Northfield Township before issuing the permit.

Bonds:
Performance Bond, Payment Bond, and Maintenance and Guarantee bond are included in the executed contract.

Subcontractors:
Subcontractors list will be provided by GM & Sons. WCOCED has a standard subcontractor form to be completed and a copy was provided to GM & Sons at the meeting.

Environmental Concerns:
None Identified.

SESC: Periodic inspections will be performed throughout the project as outlined in the WCWRC permit and per the approved soil erosion plans for the site. Katie Lee (WCWRC) is the SESC contact for the site. The Contractor's representative will be contacted by the SESC officer to correct any deficiencies that are noted during regular inspections of the site. If these items are not completed in a timely manner, an official Notice of Deficiency will be forwarded to the Contractor outlining any corrective actions that must be taken to bring the site into conformance. Failure to correct deficiencies on the site will result in a recommendation to the Township to schedule a Show Cause Hearing and may result in a stop work order and fines for the Contractor. Minimum SESC measures include but are not limited to:

- Maintain SESC as needed or directed. Contractor shall practice good housekeeping and sweep the surrounding paved areas as needed.
- Do not remove SESC until vegetation is established or as directed by the Engineer.
- Tree removal, unless noted on the Drawings, or trimming shall not be allowed. Approval by the Owner and/or the Engineer shall be required prior to any tree work not shown in the documents being done.

Inspections:
The following inspections are necessary:

- SESC installation verification
- While work on any concrete pavement is ongoing
- While work on any underground utility is ongoing
- Structure adjustments will be directed by OHM or utility company having ownership – Verify with Tim Hardesty as the Northfield Twp WWTP.

Safety Program: A copy of the Contractor's safety program was provided at the meeting. It is the Contractor's responsibility to ensure a safe working environment during the construction period duration. A

copy of the safety program shall be provided on-site and the Contractor is strongly encouraged to conduct weekly safety meetings.

It is the Contractor's responsibility to comply with all current MIOSHA/OSHA standards where applicable including confined space regulations for new construction. Attendance at the pre-construction meeting by the Contractor's representative acknowledges understanding of this obligation. The Municipality and its engineering consultant (OHM) will not oversee the Contractor's operations from the stand point of safety and are not obligated to act as the Contractor or Subcontractor's safety officer.

24-Hour Emergency Numbers:

Sean Morrissey (734) 929-1259

Fire and Safety:
The contact at the Northfield Township Fire Department is Chief William Wagner. He can be reached at (734) 449-2385 or wagnerw@twp.northfield.mi.us for any non-emergency situations. In the case of an on-site injury or damage to gas and electric lines that may threaten life, the contractor should call 911 and subsequently halt all operations on site. The Northfield Township Fire Department will then contact all relevant jurisdictions and make a final determination of when the site operations may continue.

Construction Schedule:
The Construction Schedule has been provided for at the pre-construction conference. The substantial project completion date is September 2, 2016 (sidewalk installed and open for use). The final completion date (restoration and punchlists complete) is September 30, 2016 in accordance with the contract documents.

Construction Submittals:
The Preliminary Schedule of Submittals should be provided by the Contractor for the Engineer's use. Major material submittals should be submitted as early as possible in order to meet the project's critical path. Mix design for concrete and the RRFB shop drawing was provided by GM & Sons at the meeting.

Monthly Estimates:
Contractor shall submit statement of work completed in the previous month according to the bid tabulation by the first Saturday of the Month. Payment recommendation will be submitted to the Washtenaw County OCED by the Engineer for 90 percent of the value as determined by the Engineer within 10 days of receiving the request. **A Declaration is required for pay applications.** The Washtenaw County OCED will perform wage rate interviews as required with the Federal funding source – certified payrolls are required.

Liquidated Damages:
The liquidated damages on this project are $600.00 per calendar day beyond substantial and/or final completion time as noted in the Agreement.

Substantial Completion:
The Contractor shall provide written notification that the entire Work is ready for its intended use and is substantially complete. The Owner, Contractor, and Engineer shall make an inspection and determine a final punchlist or notify that the work is not substantially complete. At the time of the inspection division of responsibilities between substantial completion and final acceptance for the operation and maintenance will be agreed upon.

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Final Inspection:
Upon written notice from the contractor that the entire Work is complete, the Owner, Engineer, and Contractor will make a final inspection which reveals any remaining items.

Final Documents:
For final estimate processing, the following documents will need to be supplied by the Contractor: original Davis-Bacon and Section 3 paperwork, sworn statements from the contractor and sub-contractors, and waivers of lien.

Contract Modification Procedures:
Contract Modification Procedures – It is extremely important to all parties that any requests, changes or orders of work, price or time is documented in writing and following the proper form of the General Provisions of the Contract, including the General and Supplementary Conditions. Below is a proper form an order of operations to issue a change. The Contractor is required to have a representative on the project site at all times to receive and sign work orders.

- **Request for Information (RFI):**
  A written document initiated by the Contractor which requests clarification to items of work from the Engineer.

- **Bulletin:**
  A document regarding possible changes to the contract documents which is issued by the Engineer for the Township and requests add or deduct costs from the Contractor

- **Field Order**:
  A written order issued by the Engineer which requires minor changes in the work but does not involve a change in the contract price or contract times.

- **Work Change Directive:**
  A written statement to the Contractor issued on or after the effective date of the Agreement and signed by the Township and recommended by the Engineer ordering an addition, deletion, or revision in the work, or responding to differing or unforeseen subsurface or physical conditions under which the work is to be performed or to emergencies.

- **Change Order:**
  A document recommended by the Engineer which is signed by the Contractor and Township and authorizes an addition, deletion, or revision in the work or adjustment in the contract price or contract times, issued on or after the effective date of the Agreement.

- **Claims:**
  If the Contractor intends to seek extra compensation for any reason not specifically covered elsewhere in the contract, the contractor shall notify the Engineer in writing of the contractor's intention to make claim for such extra compensation before beginning work on which the contractor intends to base a claim; or the contractor shall notify the Engineer within 24 hours after commencement of the delay, suspension of work, loss of efficiency, loss of productivity or similar event on which the claim will be based. The Contactor shall notify the Engineer in writing within 30 days of the delay, suspension of work, loss of efficiency, loss of productivity or similar event on which the claim will be based.

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- **Extension of Time:**
  Request for extension of time due to delays shall be filed in writing by the contractor with the Engineer not later than 30 days following the termination of the delay. In case of delays due to adverse weather, the request for extension of time shall be filed within 30 days following the end of the calendar month in which the delay occurred. The contractor shall set forth fully therein the reasons, which are believed to justify the Engineer in granting the request. Failure to notify the Engineer as provided above will constitute a waiver of claim for an extension of time.

Contract Specifications:
The specifications for this contract were reviewed and discussed.

Plan Sheets:
The construction plans were reviewed and discussed.

The latest construction plan is found in the bid set dated June 16, 2016.

Miscellaneous notes:

- Work hours are Monday-Saturday 7:00 A.M. to 8:00 P.M. per the "Northfield Township Anti-Noise and Public Nuisance Ordinance." No Sunday or Holiday Work is permitted.
- Temporary Construction trailers are not permitted to be kept within the road right-of-way. GM & Sons stated they do not plan to have a temporary trailer.
- Loading and unloading of construction material may not be performed within the traveled public right-of-way.
- Traffic control must be in compliance with the Michigan Manual of Uniform Traffic Control Devices in conjunction with local construction permit requirements or stipulations and any detour, staging or traffic control diagrams incorporated into approved plans.
- Excess material should be legally disposed of off-site. Contact the Municipality before transporting any material to other sites (including residential) within the municipality. Local ordinances may require prior approval.
- The contractor is reminded to contact MISS DIG (1-800-482-7171) 72 hours or 3 days prior to mobilization to the project and make any further inquiries to MISS DIG as construction continues or changes.
- If the Contractor is staging or storing on-site any combustible, flammable or corrosive chemicals, then these containers must have an OSHA approved secondary containment system. GM & Sons stated they do not plan to store any combustibles on-site.
- The Washtenaw County OCED prefers that the Engineer handle all inquiries, complaints and/or damage claims from residents here or abroad. The Engineer is provided with a "Claim Form" to record any such instances.
- The RRFB shop drawing was received at the meeting and will be provided to WCRC Garry S. and Brent S for review and approval.
- WCRC permit comments changed crossing markings and RRFB locations. OHM to issue a work change directive.
- WCRC will send maintenance agreement to the Township. This is needed prior to issuance of a permit.
- The contractor shall contact WCRC prior to performing sign installation, RRFB installation or pavement markings.

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- WCRC will allow temporary parking in ROW (if needed) during driveway concrete work.
- GM & sons will provide a draft resident notice flyer to OHM for review prior to distributing to the public.
- Include WCOCED on all change orders.
- WCOCED will provide a copy of the full signed construction contract to OHM.
- GM & Sons will provide a revised certificate of insurance to include OHM as additionally insured.

Review: These minutes should be reviewed as soon as copies are received. Please report any discrepancies to this writer immediately so necessary corrections can be made.

NOTES RECORDED BY: Chris Donajkowski, Construction Engineer

Enclosures

Cc: Jacob Rushlow, P.E., OHM
File

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
11	Washtenaw County , Northfield Township Main Street Sidewalk CDBG Project																							
12																								
13	Week of	8-1-2016					8-8-2016					8-15-2016					8-22-2016					8-29-2016		
14		Mon	Tues	Wed	Thurs	Fri	Mon	Tues	Wed	Thurs	Fri	Mon	Tues	Wed	Thurs	Fri	Mon	Tues	Wed	Thurs	Fri	Mon	Tues	Wed
15	Mobilize to site																							
16	Set-up Traffic Control																							
17	Install Soil Erosion Control																							
18	Sawcutting Existing Pavement																							
19	Site Utillty Installation																							
20	Perform Removals / Excavation																							
21	Undercut																							
22	Install Concrete Pavement (GMSI)																							
23	Concrete Curing Time																							
24	Install Crosswalk / Signal																							
25	Landscape Restoration																							
26																								

RECEIVED
AUG 02 2016
ORCHARD, HILTZ & McCLIMENT, INC.

Notice to Proceed

Dated August 2, 2016

Project:	Owner:	Owner's Contract No.:
Main Street Sidewalk Improvements	Washtenaw County OCED	RFP #6881
Contract:		Engineer's Project No.:
Main Street Sidewalk Improvements – Northfield Twp		0161-15-0023

Contractor:

GM & Sons

Contractor's Address: (send Certified Mail, Return Receipt Requested)

6784 Whitmore Lake Road

Whitmore Lake, MI 48189

You are notified that the Contract Times under the above contract will commence to run on August 2, 2016. On or before that date, you are to start performing your obligations under the Contract Documents. In accordance with the Agreement, the date of Substantial Completion is September 2, 2016, and the date of readiness for final payment (final completion date) is September 30, 2016.

Before you may start any Work at the Site you must deliver to the Owner (with copies to Engineer and other identified additional insureds) certificates of insurance which each is required to purchase and maintain in accordance with the Contract Documents.

Washtenaw County Office of Community and Economic Development

Owner

Given by: Nathan Voght

Authorized Signature

Nathan Voght, Economic Dev. Specialist

Name and Title

August 2, 2016

Date

Cc: Jacob Rushlow, PE, OHM

Howard Fink

From: Terry Brinkman [brinkmat@ewashtenaw.org]
Sent: Thursday, August 11, 2016 5:04 PM
To: 'Jacob Rushlow'; 'sean@gmandsons.com'; Howard Fink
Cc: Chris Donajkowski; 'streightg@wcroads.org'; Nathan Voght
Subject: RE: Washtenaw County Pre-Construction Conference 8/2/2016 & 8/3/2016 Meeting Checklist and Meeting Minutes for Signatures
Attachments: Northfield Township Main Street Sidewalks Project Pre-Con Checklist Minutes 8_2_2016 8_3_2016 revised_final for signatures.pdf

Thanks Jacob,

I have added your updated pre-construction meeting minutes to my notes and the revised document is attached.

Sean,

Please sign and as the contractor on page 2 after the 2nd paragraph.

Howard,

Please sign for the Township underneath the 1st and 3rd paragraphs on page 2 of the Pre-Construction Conference Checklist, on the same line as "City/Village/Township" and date it. As mentioned below in the original email, if you do not feel comfortable with signing this form because you were not in attendance, then that is fine as well.

Thanks,

Terry

Terry R. Brinkman
Community & Economic Development Data Specialist
Washtenaw County
Office of Community & Economic Development
415 W. Michigan Ave., Suite 2200
P.O. Box 915,
Ypsilanti, MI 48197
(734) 544-2985
brinkmat@ewashtenaw.org
www.ewashtenaw.org/oced

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From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Thursday, August 11, 2016 4:01 PM
To: Terry Brinkman; 'sean@gmandsons.com'; Howard Fink
Cc: Chris Donajkowski; 'streightg@wcroads.org'; Nathan Voght
Subject: RE: Washtenaw County Pre-Construction Conference 8/2/2016 & 8/3/2016 Meeting Checklist and Meeting Minutes for Signatures

Terry, attached are my pre-construction meeting minutes for incorporation with your notes.

JACOB A. Rushlow, PE

PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

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D 734.466.4517
C 734.812.7154

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From: Terry Brinkman [mailto:brinkmat@ewashtenaw.org]
Sent: Thursday, August 4, 2016 3:58 PM
To: 'sean@gmandsons.com' <sean@gmandsons.com>; Howard Fink <finkh@twp.northfield.mi.us>
Cc: Jacob Rushlow <jacob.rushlow@ohm-advisors.com>; Chris Donajkowski <chris.donajkowski@ohm-advisors.com>; 'streightg@wcroads.org' <streightg@wcroads.org>; Nathan Voght <voghtn@ewashtenaw.org>
Subject: Washtenaw County Pre-Construction Conference 8/2/2016 & 8/3/2016 Meeting Checklist and Meeting Minutes for Signatures

Hi Sean,

Attached is the Pre-Construction Conference Meeting Checklist and Meeting Notes for the meeting held in person at the Northfield Township Hall on Tuesday, August 2, 2016 and a follow-up meeting by phone on August 3, 2016. Please sign on the line for the Contractor after the 2nd paragraph on page 2 of the Pre-Construction Meeting Checklist. Please sign, scan and email a scan of page 2 with your signature by Monday, August 8, 2016

Howard,

If you are so inclined, could you sign the Pre-Construction Meeting Checklist for the Township underneath the 1st and 3rd paragraphs on page 2 of the Pre-Construction Conference Checklist, on the same line as "City/Village/Township" and date it. If you do not feel comfortable with signing this form because you were not in attendance, then that is fine as well.

Jacob,

If you provide a revised Pre-Con Meeting Notes, I will replace your original notes attached from your company and attach the revised notes that you send out. Your notes mainly cover the Pre-Construction meeting from 9:00 a.m. to 10:05 a.m. on Tuesday, August 2, 2016.

Thanks,

Terry

Terry R. Brinkman
Community & Economic Development Data Specialist
Washtenaw County
Office of Community & Economic Development
415 W. Michigan Ave., Suite 2200
P.O. Box 915,
Ypsilanti, MI 48197
(734) 544-2985

brinkmat@ewashtenaw.org
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PRE-CONSTRUCTION CONFERENCE CHECKLIST
(Public Facilities and Public Infrastructure Projects)

Date: 8/3/2016 & 8/3/2016
Project #: Northfield Township Main Street Sidewalks Project

City/Village/Township: Northfield Township
Developer/Owner: Northfield Township
Address: 8350 Main Street
Whitmore Lake, MI 48189
Phone: 734-449-2030

Contractor Name: G M & Sons, Inc.
Address: 6749 Whitmore Lake Rd
Phone: (734) 929-1259
Fax: (734) 929-1265
Cell: (248) 798-8646
E-Mail: Sean@gmandsons.com
Contract Amount: $115,620

Construction Contracting Agency: Washtenaw County Office of Community & Economic Development (734) 544-3055

PRE-CONSTRUCTION CONFERENCE ATTENDEES

Jacob Rushlow, OHM
Chris S. Donajkowski, OHM
Sean Merrissey, G M & Sons Project Manager
Nathan Voght, WC-OCED
Jerry Finkenaur, WC-OCED
Gary Streight WCRC
Lori Adkins, Project Administrator

ITEMS COVERED IN THE PRE-CONSTRUCTION CONFERENCE

- N/A — Property Owner's Manual (w/Homeowner Acceptance)*
- N/A — Housing Rehabilitation Contractor's Handbook (w/Contractor Acceptance)*
- ✓ — Final Location-by-Location Review and Agreement on Work Specifications*
- ✓ — Onsite Copy of Construction Work Specifications
- N/A — *Onsite Copy of Lead Report (If applicable)**
- N/A — *Lead Based Paint Training/Certification*
- N/A — *Occupant Protection Plan*
- N/A — *Clearance Testing (interim & final)*
- N/A — Relocation Plan/Agreement (if applicable)*
- ✓ — Change Orders (Changes in Work, Extensions of Time)
- ✓ — Construction Schedule (weekly)*
- ✓ — Section 3 Requirements
- ✓ — Davis Bacon Requirements (if Applicable)
- ✓ — Progress Inspections, Payments & Sign-offs*
- ✓ — Requests for Reimbursement
- N/A — Product Information Sheets (Cut Sheets)/Green Standards
- ✓ — Building Permits (onsite copies)
- N/A — Local Building Department Inspections
- N/A — Punch list Inspection
- ✓ — Final Walkthrough Inspection
- ✓ — Waiver of Liens*
- ✓ — Sworn Statement*
- ✓ — Contractor General Warranty*
- N/A — Manufacturer Warranties and Information
- ✓ — Sub-Contractors List
- ✓ — Final Payment Request & Sign-offs
- N/A — 11th Month Inspection by CD/Developer
- N/A — Owner/Developer Evaluations of Contractor and Program Staff
- ✓ — Developer Agreements & Contracts*
- ✓ — Notice To Proceed*
- N/A — Security Documents (Mortgage and Note)*
- N/A — Owners Notice of Cancellation*

G M & Sons on phone call 8/3/2016

ADDITIONAL ITEMS COVERED IN CONFERENCE

Section 3 Plan will be completed by August 10, 2016 by G M & Sons. Washtenaw County OCED will review for approval and signatures once they receive it.

See Attached Meeting Notes from Washtenaw County OCED attached emails, and meeting notes from OHM.

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PRECONSTRUCTION CONFERENCE REPORT

I (we), the undersigned, have on this date _____, participated in a Preconstruction Conference prior to the beginning of the construction/rehab of a public facility and/or public infrastructure project within our jurisdiction. I (We) acknowledge the terms of the Owner/Public Agency/Contractor Contract, the explanation of work to be performed by the contractor, the roles of the Washtenaw County Office of Community & Economic Development (OCED) staff, and our responsibilities during the construction phase. I (We) further understand that the Washtenaw County Office of Community & Economic Development and its employees assume no responsibility for the work performed and does not warranty any work performed.

Signature of City/Village/Township: _____ Date: _____

Signature of Property Owner: _____ Date: _____

I, the undersigned, hereby certify that the Preconstruction Conference was held on this date between the property owner(s)/developer, the Washtenaw County Office of Community & Economic Development staff, and myself. I understand the procedures to be followed for the change orders and request for payment and inspections. I understand and agree that the work performed must meet the standards of performance set by the program and established by the program specification and established by the General Requirements, Work Specifications and/or Construction Plans, Owner/Contractor and or Contractor/Developer Agreement.

Signature of Contractor: _____ Date: _____

I, the undersigned, hereby certify that I participated in a Preconstruction Conference on this date.

Signature of OCED Staff: _____ Date: 8/4/16

Signature of City/Village/Township: _____ Date: _____

OHM Pre-Construction Meeting Notes: Pre-Construction Meeting Tuesday, August 2, 2016 began at approximately 9:00 a.m.

See attached OHM Pre-Construction Meeting Notes. These notes identify what was discussed at the Pre-Construction Conference meeting for the Northfield Township Main Street Sidewalk Project from 9:00 a.m. to approximately 10:05 a.m. on Tuesday, August 2, 2016 at the Northfield Township Hall at 8350 Main Street, 2nd Floor Board of Trustees meeting room. Note that these meeting notes may or could be revised or updated by OHM and if so, these minutes will be amended to include any revisions made to the OHM Pre-Construction meeting notes.

Washtenaw County OCED Pre-Construction Meeting Tuesday, August 2, 2016 Checklist Notes:

Washtenaw County OCED staff began the discussion of the Washtenaw County OCED Pre-Construction Checklist at approximately 10:05 a.m. for the Northfield Township Main Street Sidewalk Project on Tuesday, August 2, 2016 at the Northfield Township Hall at 8350 Main Street, 2nd Floor Board of Trustees meeting room.

Construction Plans on-site: G.M. & Sons will provide on-site copies of the construction plans in a pick-up truck on site. OHM will also provide on-site copies of the construction plans in a pick-up truck located on-site.

Change Orders: Terry Brinkman from Washtenaw County OCED clarified that Washtenaw County should review and sign all change orders on the project, in addition to the general contractor and Northfield Township.

Construction Schedule: Sean Morrissey, Project Manager from GM & Sons circulated the construction schedule for the project, and is attached. According to the construction schedule distributed, the project begins on Wednesday, August 3, 2016 and is scheduled to be completed by Wednesday, August 31, 2016.

Section 3 Requirements: Terry Brinkman discussed the Section 3 Requirements, including the Section 3 Plan.

Section 3 Plan: He identified the items in the Section 3 Plan that will need to be completed by GM & Sons. Specifically the on page 1 the General Contractor contact information, on Page 2, the dollar amount of the construction contract ($115,628), the 10% of the total contract is $11,563. The General Contractor (GM & Sons) will need to initial after the "General Contractor" on the line titled: "These goals are affirmed:" Also, the second highlighted area prior to "(the contractor)" should be "GM & Sons, Inc." in the first sentence of the last paragraph of page 2 under the Employment and Training section. The yellow highlighted strategies underneath the Outreach section of pages 4 and 5 should be left as they are. For the Project Neighborhood Area on Page 5, enter "Northfield Township". For the Section 3 Coordinator on page 5, Sean Morrissey indicated that he would be the Section 3 Coordinator for the General Contractor and indicated that he would type in his name and his phone number for the contact

information. On page 7, for the General Contractor, enter "GM & Sons, Inc." and the mailing address of "6784 Whitmore Lake Rd, Whitmore Lake, MI 48189".

Terry Brinkman also indicated that Attachments 3, 4, 14 and 15 in the Section 3 Plan will need to be completed by GM & Sons. For Attachment 3, indicate all of the Job Categories on the project, including those job categories employed by the general contractor and including all of the job categories employed by all of the sub-contractors on the project. For the second column, provide the total estimated positions needed for the project for each job category, for the third column provide the total number of positions occupied by permanent employees of the general contractor and all of the sub-contractors on the project for each job category. If the total number of estimated positions needed for the project (column 2) exceed the total number of positions occupied by permanent employees, it means that there will be new hires on the project, and if so, the 30% of those new hires will need to be Washtenaw County Section 3 residents, and in the fourth column, enter the total number of positions that will be filled with Section 3 Residents for each job category. If the total number of estimated positions needed for the project (column 2) equals the total number of positions occupied by permanent employees, it means that there will be no new hires on the project, which means that Section 3 new hires will not be required on the project and "0" should be entered into the fourth column titled number of positions to be filled with Section 3 Residents for each job category. Also explain why there will be no new job opportunities during the project and state the reason in the box at the bottom of Attachment 3.

For Attachment 4, GM & Sons will need to outreach to all of the applicable approved Washtenaw County Section 3 contractors for the project. Terry Brinkman indicated that of the 7 approved Washtenaw County Section 3 contractors, Saladino Construction Company, Inc. is an applicable Section 3 contractor for the project as they are a concrete paving contractor. The other 6 approved Washtenaw County Section 3 contractors are not applicable, as they do not provide concrete paving and are Housing Rehab and/or HVAC contractors which are not applicable to the project. GM & Sons is required to outreach to Saladino Construction Company about working on the project and GM & Sons can solicit a proposal and/or bid for working on the project for meeting the 10% Section 3 contracting requirement for the project and GM & Sons can evaluate any proposal or bid that they provide according to their process for procuring sub-contractors for a project. Terry Brinkman indicated that Section 3 requirements must try to be achieved for the project through a good faith effort and to the greatest extent feasible. Terry Brinkman indicated that GM & Sons will need to provide documentation that they did outreach to Saladino Construction Company, Inc., such as an email sent to them and their response. GM & Sons, Inc. will need to complete Attachment 4 indicating their outreach to Saladino Construction Company, Inc.

For Attachment 14 on Page 33, GM & Sons will need to complete this form by providing a list of all of their permanent full-time employees that work for their company and their respective job category for each employee. A computer generated employee registry is acceptable as long as it lists employee name and job category. For Attachment 15 on Page 34, GM & Sons will need to provide a listing of all of the employees who work for all of the sub-contractors on the project, including their names and their

respective job category. A computer generated employee registry is acceptable as long as it lists employee name and job category for all sub-contractors on the project. The Section 3 Plan will be completed and submitted to Washtenaw County OCED by Wednesday, August 10, 2016 for their review and approval and for further completion, and once approved Washtenaw County will sign the Section 3 Plan and route to GM & Sons for their signature. The signature can be a scanned version of the document and does not need to be in the original indelible signed ink.

Davis Bacon Requirements: Terry Brinkman began the discussion on the Davis Bacon requirements for the project. He passed out copies of the Wage Determination for the project (30 page document), as well as the Project Wage Rate Sheet, the Wage Requirement Data Sheet, the Certified Payroll form (WH-347), the English and Spanish versions of the "Employee Rights Under the Davis-Bacon Act" posters and extra business cards of Nathan Voght and Terry Brinkman of Washtenaw County OCED to be inserted in the boxes in both posters. The English and Spanish versions of the posters and Nathan's and Terry's business cards and the Wage Determination will need to be posted at job site at all times during the work and visible at all times by the workers on site. Also, once the Project Wage Rate Sheet is approved by Washtenaw County OCED, the approved Project Wage Rate Sheet will also need to be posted at the job site. Terry Brinkman passed out photos of an example of how to post the Wage Determination and posters at the site. The posters and the wage determination and the approved Project Wage Rate Sheet will need to be water proofed such as laminating the posters with the business cards attached, and laminating the approved Project Wage Rate Sheet and placing the wage determination (30-page stapled document) into a clear plastic sleeve that can be opened and accessible for viewing.

Continuing Pre-Construction Meeting at another time: Due to timing, Terry Brinkman and Nathan Voght agreed to schedule a meeting by phone at 10:00 a.m. with Sean Morrissey of GM & Sons, Inc. on Wednesday, August 3, 2016 to continue the Pre-Construction meeting for the project, which includes the Section 3 requirements, Davis Bacon requirements, the Sub-Contractor Information Sheet and to finish the discussion of all of the items on the Washtenaw County OCED Pre-Construction Conference Checklist. Terry Brinkman indicated that he would send to Sean Morrissey of GM & Sons, Inc. electronic versions of the Section 3 documents, the Davis Bacon documents, and the Sub-Contractor Information Sheet prior to the follow-up meeting for the following day at 10:00 a.m.

This portion of the Pre-Construction Conference meeting was adjourned at approximately 10:40 a.m.

Emails with Section 3 forms, Davis Bacon forms, and Sub-Contractor Information Sheet sent to GM & Sons, Inc. Monday, August 2, 2016: See attached emails from Terry Brinkman to Sean Morrissey regarding electronic versions of the Section 3 paperwork, the Davis-Bacon paperwork and the Sub-contractor Information Sheet, dated August 2, 2016.

Pre-Construction Conference Follow-up Meeting via Phone on August 3, 2016 Notes:

At approximately 10:25 a.m. on Wednesday, August 3, 2016 Sean Morrissey contacted Terry Brinkman via phone and reconvened the Pre-Construction Conference Meeting for the Northfield Township Main

Street Sidewalks Project. Also in attendance via phone was Lori Adkins, Project Administrator for GM & Sons, Inc. Nathan Voght had a meeting conflict and was not present for the meeting.

Section 3 Requirements:

Section 3 Plan: The Section 3 Plan was further discussed for clarification of submittal requirements, including Attachments 3, 4, 14, and 15. For Attachment, the "period covered" as early August 2016 through early September 2016 and Sean indicated that they would not have any new hires and Terry indicated that the box at the bottom of Attachment 3 will need to be completed explain why no new job opportunities will be available during the project, which could include the scope of the work for the project. Sean indicated that he sent an email to Saladino Construction Company on August 2, 2016 (the day before) as outreach to them about working on the project that they will need to respond back within a day and he said that he will provide that email to Washtenaw County OCED including Saladino Construction Company's response. Terry indicated that GM & Sons will need to provide a description of this outreach to Saladino Construction Company, Inc. in Attachment 4. Attachments 14 and 15 were also discussed further, specifically that the permanent full-time employees be identified in the list and their respective job categories for both the general contractor and all of the sub-contractors on the project.

Section 3 Summary Report Form (HUD Form 60002): The Section 3 Summary Report Form (HUD Form 60002) was also discussed. It was agreed to during the phone meeting that the Section 3 Summary Report Form (HUD Form 60002) will need to be completed and submitted prior to September 15, 2016, as Washtenaw County OCED needs to complete required reporting on Section 3 for all projects shortly thereafter. GM & Sons, Inc. will need to complete Part I, Columns B and C. Since there will be no new hires for this project, all of the job categories in Part I in Columns B and C will all be "0". GM & Sons, Inc. will also need to complete Part II on page 2 of the form, specifically "1. Construction Contracts" section, including answering 1.A., 1.B., 1.C. and 1.D. The total construction contract is entered in 1.A. If Saladino Construction Company is hired as a sub-contractor on the project, their total contract amount is entered into in 1.B. If they are not hired, "0" is entered on this line. 1.C. will automatically be calculated after 1.A. and 1.B are answered. For 1.D. if Saladino Construction Company is hired for the project, enter "1", if they are not enter "0". GM & Sons, Inc. will also need to complete Part III. Summary found on page 2 of the form, specifically check the line in front of "Other" and describe GM & Sons, Inc. effort to outreach to the 1 applicable approved Washtenaw County Section 3 contractor for the project about working on the project, Saladino Construction Company, Inc. including their response and GM & Sons, Inc.'s evaluation of their Saladino Construction Company's response, and include any obstacles that prevented achieving Section 3 program contracting goals.

Davis Bacon Requirements: The Davis-Bacon paperwork was then discussed.

Employee Rights Under the Davis-Bacon Act English and Spanish Posters and Davis Bacon Documents Posting On-Site: Sean indicated that he will have the English and Spanish versions of the "Employee Rights Under the Davis-Bacon Act" posters and extra business cards of Nathan Voght and Terry

Brinkman of Washtenaw County OCED attached to the poster, the Wage Determination for the project and the approved Project Wage Rate Sheet will posted on site and that these materials will be waterproofed (such as lamination of the posters and the Project Wage Rate Sheet and placing the 30-page Wage Determination for the project in a plastic sleeve) by Monday, August 8, 2016.

Davis Bacon Worker Interviews On-Site: Washtenaw County OCED staff will be conducting Davis Bacon Interviews of workers on site during the construction. During the interviews, Washtenaw County OCED staff will inspect for the "Employee Rights Under the Davis-Bacon Act" posters with Washtenaw County OCED staff business cards attached, the posting of the Wage Determination and the posting of the approved Project Wage Rate Sheet for the poster, its proximity and its visibility for workers on-site.

Wage Determination for the Project: The identification of the Wage Determination for the project was discussed, which is the 30-page document that has all of the Work Classifications for Highway projects in Washtenaw County, MI. Highway Wage Determinations are required to be used for projects involving the construction of a sidewalk in the public right of way and/or along a road or a street. Both the base hourly wage rate and the fringe benefits hourly wage rates must at a minimum follow the work classifications in the Wage Determination for Washtenaw County. The base hourly wage rate and the fringe benefits hourly wage rate can be less than the required rates for both but only if they are made up in the base hourly wage rate or the fringe benefit hour wage rate or vice versa. At a minimum all laborers and mechanics on the project must be paid the minimum of the combined hourly rate total of the base hourly wage rate and the fringe benefit hourly rate for all work classifications on the project. The Wage Determination for the project will need to be posted on site next to the English and Spanish "Employee Rights Under the Davis-Bacon Act" posters and next to the approved Project Wage Rate Sheet.

Project Wage Rate Sheet: The Project Wage Rate Sheet was also discussed. The Project Wage Rate Sheet should include the base hourly wage rate and fringe benefit hourly wage rate for all of the work classifications working on the project for the general contractor and all of the sub-contractors – it is a summary sheet for all work classifications on the project on what the general contractor and all the sub-contractors will be paying to workers on site. Once completed, GM & Sons will need to submit this sheet to Washtenaw County OCED for their approval. The Project Wage Rate Sheet should be submitted no later than by Wednesday, August 10, 2016. Once approved, it will need to be posted on-site with the Wage Determination for the project and next to the English and Spanish "Employee Rights Under the Davis-Bacon Act" posters.

Wage Requirement Data Sheet: The Wage Requirement Data Sheet is required for submittal by the general contractor and all of the sub-contractors to identify the base hourly wage rate and to identify all of the specific fringe benefits that are paid to approved third party programs on an hourly basis for all trades (work classifications) working on the project for the company and also to identify the owners of the company and other information about the company. These will need to be completed and submitted for the 1st certified payrolls submitted for each company on the project.

Certified Payroll Forms (WH-347): Terry clarified the owner's of the general contractor and all the sub-contractors will need to sign the certified payroll forms, and if there are employees of the general contractor or sub-contractor companies that sign the certified payroll form, the owner's of the general contractor or sub-contractor companies will need to provide written authorization for those specific employees to sign the certified payroll forms. They can do so either by completing and signing the last box on the Wage Requirement Data Sheet or by providing written authorization in a letter from the owner of the company. It was clarified by Terry Brinkman that another version or other versions of the certified payroll form other than the U.S. Department of Labor WH-347 Form can be used as long as it includes all of the boxes and questions and content that is found on the US DOL WH-347 form (both pages 1 and 2). Also discussed related to Davis Bacon was that written authorization from all workers that have deductions in the "other" column of the certified payroll that are not federal taxes, state taxes or FICA, that identify what the deductions are specifically for and how much and the written authorization is the worker allowing these deductions by the company. Sean indicated that it was not likely that anyone working on the project will have deductions outside of federal and state taxes and FICA. There also will not be any apprentices working on the project and the work classifications in the Wage Determination will include all work classifications working on the project. There will also not be any 1099 employees working on the project. The certified payrolls will need to be submitted on a weekly basis by the following Wednesday of each work week. The certified payrolls will need to be signed by the owners of the companies or their written authorized designee and the original signed certified payrolls in indelible ink and in paper form are to be overnighted through an express courier or received by US Mail by the Wednesday following the work week on a weekly basis. The general contractor and all of the sub-contractors will need to submit certified payrolls for all weeks of the construction of the project, including weeks where they did not have any laborers or mechanics on the construction site. If there was no laborers and mechanics on site for a week, the certified payroll must be completed in full and in the payroll the statement of "no work this week on site" or "no workers on site this week" or something must be written or labeled on each certified payroll where there is no work that week for that sub-contractor or the general contractor. All certified payrolls need to be numbered for each week, including non-work weeks.

Sub-Contractor Information Sheet: The Sub-Contractor Information Sheet was discussed. This form will need to be submitted by September 15, 2016, in order for Washtenaw County OCED to meet reporting requirements deadlines. Sean indicated that this form has already been mostly completed, and he is just waiting on the federal identification numbers for all of the sub-contractor companies on the project.

Request for Reimbursement (RFR) Form and Draws and Progress Inspections, Payments and Signoffs: Draw submittals by GM & Sons will need to be submitted to Washtenaw County OCED. Included in the draw submittals shall be the Request for Reimbursement (RFR) Form. Nathan Voght sent via email a blank version of the RFR form to Sean Morrissey on Tuesday, August 2, 2016. Nathan will send a revised version of the form that includes information specific to the funding and the amount of the contract at a later date when it is finalized. Nathan will provide further instruction about how to complete the form when he sends the finalized version of the form. Also included in the draw submittal attached to the

RFR form will need to include an invoice from GM & Sons for the work for the draw, construction lien waivers and a sworn statement. For the first draw and any other subsequent draws that are not the final draw, the construction lien waivers can be partial conditional waivers or partial unconditional waivers. The general contractor, and each sub-contractor and supplier on the project shall submit a construction lien waiver for every draw. For the final draw on the project, each sub-contractor and supplier, if possible, provides a full unconditional lien waiver, and the general contractor's (GM & Sons) lien waiver can be a partial conditional lien waiver or a partial unconditional lien waiver or a full conditional waiver, as the County's payment can be a condition for releasing the full unconditional lien waiver. After the final draw and after the final payment to the general contractor at project close-out the County will need a full unconditional lien waiver from the general contractor (GM & Sons). The sworn statement shall list every sub-contractor working on the project and every supplier providing supplies or materials for the project. Each draw package will also need to have inspection reports from the construction engineer (OHM) on the project. These can either be submitted by GM & Sons or they can be submitted by OHM.

Permits: There are no building permits involved with this project, as it is a sidewalk project. However, as discussed during the pre-con meeting in the first hour of the pre-con meeting on Tuesday, August 2, 2016, the project has pulled Washtenaw County Soil Erosion and Sedimentation Control permit and Washtenaw County Road Commission Road Right-of-Way permit. These passed permits will need to be provided with the final draw submittal.

Final Walkthrough Inspection: The final inspection shall be completed by OHM, the construction engineer on the project and the passed inspection report shall be submitted with the final draw.

Waiver of Liens: See the Request for Reimbursement (RFR) Form and Draws and Progress Inspections, Payments and Signoffs section above.

Sworn Statement: See the Request for Reimbursement (RFR) Form and Draws and Progress Inspections, Payments and Signoffs section above.

Contractor General Warranty: The contractor will provide a general warranty for the work with the final draw submittal. Sean indicated that there general warranty is for 1 year.

Construction Contract: The construction contract has been signed and approved.

Notice to Proceed: The Notice to Proceed was signed at the Pre-Con meeting on Tuesday, August 2, 2016.

Pre-Construction Conference Follow-up Meeting Adjourned: The follow-up Pre-Construction Conference was adjourned at approximately 11:00 a.m. on Wednesday, August 3, 2016.

Terry Brinkman

From: Terry Brinkman
Sent: Tuesday, August 02, 2016 2:49 PM
To: 'sean@gmandsons.com'
Cc: Nathan Voght
Subject: Northfield Township Main Street Sidewalk CDBG Project -- Section 3 Forms
Attachments: Section 3 Plan Template for Northfield Twp Main St. CDBG Public Infrastructure and Facilities WCOCED_2016.doc; Washtenaw County OCED Section 3 Contractor Approved List_with_emails_7_12_2016.pdf; Section_3_Summary_Report_Form_Excel_version_HUD_60002.xls

Hi Sean,

This is email 1 of 3 that I am sending that includes the forms that we talked about today and the forms we will discuss tomorrow.

Attached is the Section 3 Plan Template, the Washtenaw County OCED Section 3 Contractor Approved List, and the Section 3 Summary Report Form (HUD Form 60002) Excel version.

Please complete all of the yellow highlighted areas in the form that pertain to the General Contractor, the General Contractor signature on page 7, Attachment 3 on page 10, Attachment 4 on page 11, Attachment 14 on page 33, and Attachment 15 on page 34 for each and all sub-contractors on the project.

Specifically, on page 2 fill in the total dollar amount of the construction contract is $115,628, fill in the 10% of the total construction contract is $11,563, initial by the General Contractor "These goals are affirmed:", fill in for the contractor G.M. & Sons in the yellow area in the bottom paragraph of page 2, on page 4 and 5 on under "Outreach", leave everything in yellow as is, for Project Neighborhood Area on page 5 type in "Northfield Township", for Section 3 Coordinator on Page 5 enter your name and your phone number, on page 7 under General Contractor print and type name of company, then sign and date and then print your name and title below your signature. On Page 10, complete Attachment 3 including all job categories working on the project among all workers working for the general contractor and all sub-contractors on the project, provide an estimate of the total positions needed for the project by job category, provide the number of positions occupied by permanent employees who currently work for the general contractor and all sub-contractors on the project, and provide the total number of positions to be filled with Section 3 Residents. If the first column equals the second column, then there are no new hires needed for the project, which means that there will not be a need to have new hires be filled with Section 3 Residents and the numbers in the third column will all be 0. If number in the 1st column exceeds the number in the second column then you will have new hires on the project and 30% of those new hires will need to be Washtenaw County Section 3 Residents. If the total number of new hires needed for the project is 2 or less, then at least 1 of the new hires will be required to be Section 3. Also complete Attachment 4 on page 11, indicated the effort to solicit a bid from the applicable Section 3 contractor for this project, which is outreach to Saladino Construction Company. Also complete Attachment 14 on page 33 providing a list of all of your company's permanent full-time employees and their respective job category. Also complete Attachment 15 on page 34 for all sub-contractors on the project, listing all of their permanent full-time employees and their respective job categories. We will complete the other yellow-highlighted areas not described above in the document and then circulate for signatures.

The Section 3 Summary Report Form will need to completed as part of your submittal for the final draw. We provided an overview on how to complete this form today, but we can review with you at the time of the final draw on how to complete this form.

Thanks,

Terry

Terry R. Brinkman
Community & Economic Development Data Specialist
Washtenaw County
Office of Community & Economic Development
415 W. Michigan Ave., Suite 2200
P.O. Box 915,
Ypsilanti, MI 48197
(734) 544-2985
brinkmat@ewashtenaw.org
www.ewashtenaw.org/oced

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Terry Brinkman

From:	Terry Brinkman
Sent:	Tuesday, August 02, 2016 3:45 PM
To:	'sean@gmandsons.com'
Cc:	Nathan Voght
Subject:	Northfield Township Main Street Sidewalk CDBG Project -- Davis Bacon Documents and Forms
Attachments:	MI Highway Wage Determination 6-24-16.pdf; Project Wage Rate Sheet.doc; Wage Requirement Data Sheet.pdf; Wage Requirement Data Sheet Example.pdf; wh347.pdf; Davis_Bacon_Poster_English_fedprojc.pdf; Davis_Bacon_Poster_Spanish_fedprojc.pdf

Hi Sean,

Attached is the Wage Determination for this project.

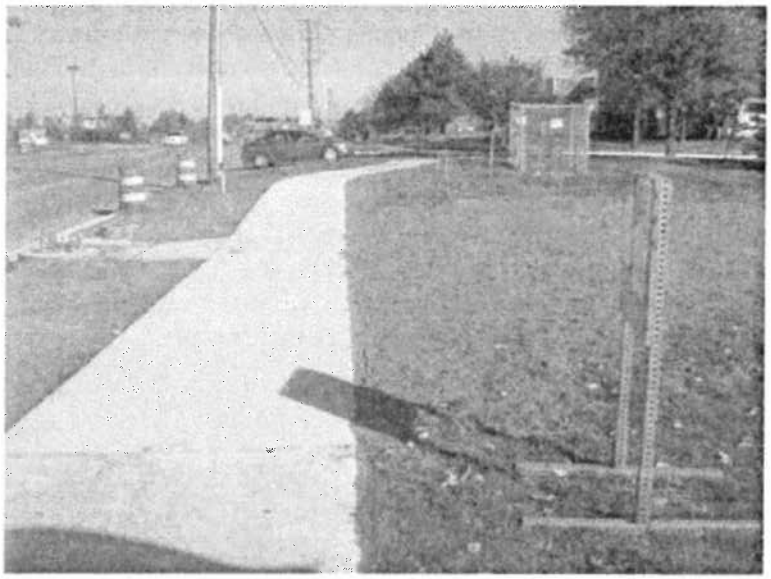
The second attachment is the Project Wage Rate Sheet. Please complete this form before the end of this week. Indicate the base hourly rate and fringe benefit rate for each work classification working on the project, including all work classifications working for your company and all work classifications working for all of the sub-contractors on the project. The base hour rate and fringe benefit rate at a minimum must be equal to the combined rate of the base hourly rate and the fringe benefit hourly rate for each of the work classifications in the Wage Determination. Once you complete the Project Wage Rate Sheet, we will review it to see if it meets the Wage Determination for the project, and then sign it for approval and provide a copy to you with our signature.

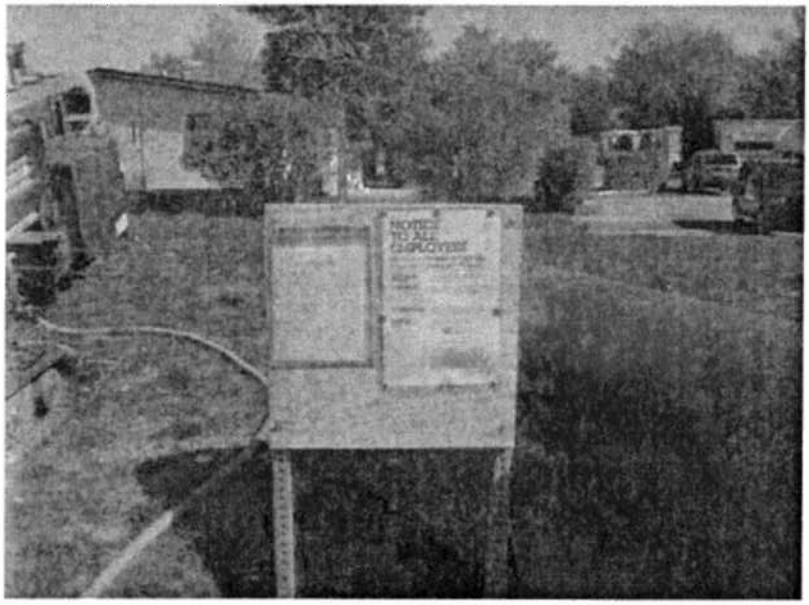
Each sub-contractor on the project and your company will each need to complete the Wage Requirement Data Sheet (3rd attachment). We only have this form in .pdf form, so you can handwrite in the information, so long it is legible and then scan the document. Complete the entire document, including company information on the 1st page and including providing the base hour wage rate and all of the individual fringe benefits by an hourly rate for each trade employed on the project by your company and for each sub-contractor on the second page. Again, the base hour rate and fringe benefit rate at a minimum must be equal to the combined rate of the base hourly rate and the fringe benefit hourly rate for each of the work classifications in the Wage Determination. Please submit these forms with the first certified payroll submittal. The fourth attachment is an example on how to complete this form.

The fifth attachment is the certified payroll form (WH 347). Each sub-contractor and your company will need to submit this form for all work weeks on the project by Wednesday of following the work week. Since work is beginning this week, you will need to provide these completed certified payroll forms by next Wednesday (August 10, 2016) for the first work week for all subcontractors working on the project and for your for your company. We need to review the certified payrolls on a weekly basis, as there is a short time-frame for this project and it is best to submit these forms weekly for a project that has a relative short time frame. For the deductions section of the form (columns under 8), if the worker has deductions outside of FICA, outside of withholding tax, and outside of state tax, and has deductions in the "Other" column, we will need an signed authorization from the worker in which those funds are being deducted from their paycheck authorizing the deductions in the "other" column and must indicate what the deductions in the "other" column are for. Please complete all of page 2 of the certified payroll form, indicating whether you are paying fringe benefits to workers through 3rd party programs (check 4.a.) or through cash (check 4.b.) and also provide any exceptions in 4.c. Each certified payroll must be signed by the company's owner. If someone other than the company's owner signs the certified payroll, then the company's owner has to authorize those company employees in the last box of page 1 of the Wage Requirement Data Sheet submitted by the company.

Additionally, you will need to post the attached Davis Bacon poster, both the English version and the Spanish version along with the wage determination for the project at the project site where most of the work on the project is occurring

so that it is visible by workers on the project at all times during the construction schedule. Also attached the Project Wage Rate Sheet once that is approved by our office. Please attach Nathan's business card and my business card in the box in each of the versions of the poster, as we will be the contacts for the Davis Bacon requirements of the project. Because these documents will be outside, please try to make them so that they are waterproof, such as laminating the posters with our cards attached, and provide a plastic sleeve for the wage determination, as that document has multiple pages. Below is an example of how the Davis Bacon poster with contact and the wage determination were posted on site during a sidewalk/rapid flashing beacon construction project. Ideally, it would be best that this posting could be portable to move when the work moves on the project so that it is visible and findable at all times during the project. We will be conducting on-site worker interviews for this project which includes inspection the work site for the Davis Bacon posters, the wage determination and the project wage rate sheet on site:





There are other forms related to Davis Bacon, and I might mention these tomorrow on there applicability to this project, but we can discuss tomorrow about the forms attached and the certified payroll submittal requirements.

Thanks,

Terry

Terry R. Brinkman
Community & Economic Development Data Specialist
Washtenaw County
Office of Community & Economic Development
415 W. Michigan Ave., Suite 2200
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www.ewashtenaw.org/oced

OFFICE OF COMMUNITY &
ECONOMIC DEVELOPMENT
Collaborative solutions for a promising future

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Terry Brinkman

From: Terry Brinkman
Sent: Tuesday, August 02, 2016 3:56 PM
To: 'sean@gmandsons.com'
Cc: Nathan Voght
Subject: Northfield Township Main Street Sidewalk CDBG Project -- Sub-Contractor Information Sheet
Attachments: Sub-Contractor Information Sheet_Developer_FIN Public Facilities and Infrastructure.doc

Hi Sean,

This is the 3rd of 3 emails.

Please complete the Sub-Contractor Information Sheet. We provided this form in paper form to you today, and attached is a digital version of the form. For each sub-contractor, please provide the name of the sub-contractor company, their federal identification number, the address, the contact person, phone number, work done, sub-contract amount, whether they are a minority-owned business enterprise (MBE) and/or a woman/women-owned business enterprise (WBE) and the race of the owner(s) of the company. We need this information for reporting requirements for the CDBG funding. Please provide this completed form by the final draw on the project, or by Monday, September 15, 2016, whichever is earlier. We have the CDBG requirements due soon and that is why we absolutely need it by September 15, 2016, unless the final draw is submitted prior to September 15th.

Thanks,

Terry

Terry R. Brinkman
Community & Economic Development Data Specialist
Washtenaw County
Office of Community & Economic Development
415 W. Michigan Ave., Suite 2200
P.O. Box 915,
Ypsilanti, MI 48197
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WASHTENAW COUNTY
OFFICE OF COMMUNITY AND ECONOMIC DEVELOPMENT
PRE-CONSTRUCTION MEETING
SIGN IN SHEET

Project: Main Street Sidewalk – Northfield Twp **Date:** August 2, 2016

OHM Project No: 0161-15-0023 **Municipality Project No.:** RFP #6881

Please print the following information and provide a business card to the OHM representative.

NAME	COMPANY	PHONE	EMAIL
Nathan Voght	Washtenaw Co.	734-544-3055	voghtn@ewashtenaw.org
Jacob Rushlow	OHM	734-466-4517	jacob.rushlow@ohm-advisors.com
Chris Donajkowski	OHM	734-891-2447	chris.donajkowski@ohm-advisors.com
Terry Brinkman	Washtenaw Co.	734-544-2905	brinkmat@ewashtenaw.org
SEAN MORRISSEY	C-M+SONS	734-929-1259	sean@gmandsons.com
GARY STREIGHT	WCRC	734-327-6692	STREIGHTG@WCROADS.ORG

Note: Contact OHM Construction Department at 734-466-4539, Monday through Friday 8 am – 4 pm to schedule inspection at least 3 working days prior to start of construction, or send a fax request to 734-522-6427, attn Construction Department.

All persons listed above will receive a copy of this information packet via fax.

Please include the Project Name and OHM Project Number on all correspondence

Advancing Communities™

34000 Plymouth Road | Livonia, Michigan 48150
p. (734) 522-6711 | f. (734) 522-6427
www.ohm-advisors.com

WASHTENAW COUNTY
OFFICE OF COMMUNITY AND ECONOMIC DEVELOPMENT

PRE-CONSTRUCTION MEETING
SIGN IN SHEET

Project: Main Street Sidewalk – Northfield Twp **Date:** August 2, 2016

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Chris Donajkowski	OHM	734-891-2447	chris.donajkowski@ohm-advisors.com
Terry Brinkman	Washtenaw Co.	734-544-2985	brinkmat@ewashtenaw.org
Sean Morrissey	GM & Sons	734-929-1259	sean@gmandsons.com
Gary Streight	WCRC	734-327-6692	streightg@wcroads.org

Note: **Contact OHM Construction Department at 734-466-4539, Monday through Friday 8 am – 4 pm to schedule inspection at least 3 working days prior to start of construction, or send a fax request to 734-522-6427, attn Construction Department.**

All persons listed above will receive a copy of this information packet via fax.

Please include the Project Name and OHM Project Number on all correspondence

Advancing Communities™

34000 Plymouth Road | Livonia, Michigan 48150
p. (734) 522-6711 | f. (734) 522-6427
www.ohm-advisors.com

DATE: **August 2, 2016**

TIME: **9:00 A.M.**

LOCATION: **Northfield Township Hall**
8350 Main Street
Whitmore Lake, MI 48189

SUBJECT: **Main Street Sidewalk Improvements – Northfield Township**

OHM Job No.: 0161-15-0023

Project Description:
This project consists of construction of approximately 950 feet of 5-foot wide sidewalk along the south side of Main Street from the Westbrook apartment complex to the Whitmore Lake Middle School.

The approximate quantities of the major items of Work are:

Sand Subbase, Cl II	156 ton
Sidewalk, Conc, 4 inch	4,132 sft
Sidewalk Ramp, Conc, 6 inch	100 sft
Sidewalk, Conc, 6 inch	525 sft

The preconstruction meeting was call to order at 9:00 A.M., August 2, 2016 at the Northfield Township Hall office by Jacob Rushlow.

Introductions were conducted and an attendance list is attached.

Designation of Supervisors:

For **Northfield Twp**
Township Manager - Howard Fink

For **Washtenaw County**
Project Manager - Nathan Voght
- Terry Brinkman

For **OHM**
Project Manager - Jacob Rushlow
Construction Engineer - Chris Donajkowski
Construction Technician - Tim Orsini

For the **Contractor (GM & Sons)**
Project Superintendent - Sean Morrissey
Safety Supervisor - Sean Morrissey
Project Foreman -

Addenda:
One addendum was issued for this project dated July 1, 2016. WCOCED will attach the addendum to the full contract.

Permits: See attached permit approval letters for more details. Permits fees are the responsibility of the Contractor per the General Conditions of the contract.

Permit	Issuing Agency	Issue Date	Permit Number
Soil Erosion and Sedimentation Control	WCWRC	*applied for but not yet approved; not issued until contractor picks up	TBD
Road ROW	WCRC	*approved but not issued until contractor picks up	TBD

- 3% deposit to WCRC needed/
- WCRC is requiring a maintenance agreement with Northfield Township before issuing the permit.

Bonds:
Performance Bond, Payment Bond, and Maintenance and Guarantee bond are included in the executed contract.

Subcontractors:
Subcontractors list will be provided by GM & Sons. WCOCED has a standard subcontractor form to be completed and a copy was provided to GM & Sons at the meeting.

Environmental Concerns:
None Identified.

SESC: Periodic inspections will be performed throughout the project as outlined in the WCWRC permit and per the approved soil erosion plans for the site. Katie Lee (WCWRC) is the SESC contact for the site. The Contractor's representative will be contacted by the SESC officer to correct any deficiencies that are noted during regular inspections of the site. If these items are not completed in a timely manner, an official Notice of Deficiency will be forwarded to the Contractor outlining any corrective actions that must be taken to bring the site into conformance. Failure to correct deficiencies on the site will result in a recommendation to the Township to schedule a Show Cause Hearing and may result in a stop work order and fines for the Contractor. Minimum SESC measures include but are not limited to:

- Maintain SESC as needed or directed. Contractor shall practice good housekeeping and sweep the surrounding paved areas as needed.
- Do not remove SESC until vegetation is established or as directed by the Engineer.
- Tree removal, unless noted on the Drawings, or trimming shall not be allowed. Approval by the Owner and/or the Engineer shall be required prior to any tree work not shown in the documents being done.

Inspections:
The following inspections are necessary:

- SESC installation verification
- While work on any concrete pavement is ongoing
- While work on any underground utility is ongoing
- Structure adjustments will be directed by OHM or utility company having ownership – Verify with Tim Hardesty as the Northfield Twp WWTP.

Safety Program: A copy of the Contractor's safety program was provided at the meeting. It is the Contractor's responsibility to ensure a safe working environment during the construction period duration. A

copy of the safety program shall be provided on-site and the Contractor is strongly encouraged to conduct weekly safety meetings.

It is the Contractor's responsibility to comply with all current MIOSHA/OSHA standards where applicable including confined space regulations for new construction. Attendance at the pre-construction meeting by the Contractor's representative acknowledges understanding of this obligation. The Municipality and its engineering consultant (OHM) will not oversee the Contractor's operations from the stand point of safety and are not obligated to act as the Contractor or Subcontractor's safety officer.

24-Hour Emergency Numbers:

Sean Morrissey (734) 929-1259

Fire and Safety:
The contact at the Northfield Township Fire Department is Chief William Wagner. He can be reached at (734) 449-2385 or wagnerw@twp.northfield.mi.us for any non-emergency situations. In the case of an on-site injury or damage to gas and electric lines that may threaten life, the contractor should call 911 and subsequently halt all operations on site. The Northfield Township Fire Department will then contact all relevant jurisdictions and make a final determination of when the site operations may continue.

Construction Schedule:
The Construction Schedule has been provided for at the pre-construction conference. The substantial project completion date is September 2, 2016 (sidewalk installed and open for use). The final completion date (restoration and punchlists complete) is September 30, 2016 in accordance with the contract documents.

Construction Submittals:
The Preliminary Schedule of Submittals should be provided by the Contractor for the Engineer's use. Major material submittals should be submitted as early as possible in order to meet the project's critical path. Mix design for concrete and the RRFB shop drawing was provided by GM & Sons at the meeting.

Monthly Estimates:
Contractor shall submit statement of work completed in the previous month according to the bid tabulation by the first Saturday of the Month. Payment recommendation will be submitted to the Washtenaw County OCED by the Engineer for 90 percent of the value as determined by the Engineer within 10 days of receiving the request. **A Declaration is required for pay applications.** The Washtenaw County OCED will perform wage rate interviews as required with the Federal funding source – certified payrolls are required.

Liquidated Damages:
The liquidated damages on this project are $600.00 per calendar day beyond substantial and/or final completion time as noted in the Agreement.

Substantial Completion:
The Contractor shall provide written notification that the entire Work is ready for its intended use and is substantially complete. The Owner, Contractor, and Engineer shall make an inspection and determine a final punchlist or notify that the work is not substantially complete. At the time of the inspection division of responsibilities between substantial completion and final acceptance for the operation and maintenance will be agreed upon.

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Final Inspection:
Upon written notice from the contractor that the entire Work is complete, the Owner, Engineer, and Contractor will make a final inspection which reveals any remaining items.

Final Documents:
For final estimate processing, the following documents will need to be supplied by the Contractor: original Davis-Bacon and Section 3 paperwork, sworn statements from the contractor and sub-contractors, and waivers of lien.

Contract Modification Procedures:
Contract Modification Procedures – It is extremely important to all parties that any requests, changes or orders of work, price or time is documented in writing and following the proper form of the General Provisions of the Contract, including the General and Supplementary Conditions. Below is a proper form an order of operations to issue a change. The Contractor is required to have a representative on the project site at all times to receive and sign work orders.

- **Request for Information (RFI):**
  A written document initiated by the Contractor which requests clarification to items of work from the Engineer.

- **Bulletin:**
  A document regarding possible changes to the contract documents which is issued by the Engineer for the Township and requests add or deduct costs from the Contractor

- **Field Order**:
  A written order issued by the Engineer which requires minor changes in the work but does not involve a change in the contract price or contract times.

- **Work Change Directive:**
  A written statement to the Contractor issued on or after the effective date of the Agreement and signed by the Township and recommended by the Engineer ordering an addition, deletion, or revision in the work, or responding to differing or unforeseen subsurface or physical conditions under which the work is to be performed or to emergencies.

- **Change Order:**
  A document recommended by the Engineer which is signed by the Contractor and Township and authorizes an addition, deletion, or revision in the work or adjustment in the contract price or contract times, issued on or after the effective date of the Agreement.

- **Claims:**
  If the Contractor intends to seek extra compensation for any reason not specifically covered elsewhere in the contract, the contractor shall notify the Engineer in writing of the contractor's intention to make claim for such extra compensation before beginning work on which the contractor intends to base a claim; or the contractor shall notify the Engineer within 24 hours after commencement of the delay, suspension of work, loss of efficiency, loss of productivity or similar event on which the claim will be based. The Contactor shall notify the Engineer in writing within 30 days of the delay, suspension of work, loss of efficiency, loss of productivity or similar event on which the claim will be based.

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- **Extension of Time:**
  Request for extension of time due to delays shall be filed in writing by the contractor with the Engineer not later than 30 days following the termination of the delay. In case of delays due to adverse weather, the request for extension of time shall be filed within 30 days following the end of the calendar month in which the delay occurred. The contractor shall set forth fully therein the reasons, which are believed to justify the Engineer in granting the request. Failure to notify the Engineer as provided above will constitute a waiver of claim for an extension of time.

Contract Specifications:
The specifications for this contract were reviewed and discussed.

Plan Sheets:
The construction plans were reviewed and discussed.

The latest construction plan is found in the bid set dated June 16, 2016.

Miscellaneous notes:

- Work hours are Monday-Saturday 7:00 A.M. to 8:00 P.M. per the "Northfield Township Anti-Noise and Public Nuisance Ordinance." No Sunday or Holiday Work is permitted.
- Temporary Construction trailers are not permitted to be kept within the road right-of-way. GM & Sons stated they do not plan to have a temporary trailer.
- Loading and unloading of construction material may not be performed within the traveled public right-of-way.
- Traffic control must be in compliance with the Michigan Manual of Uniform Traffic Control Devices in conjunction with local construction permit requirements or stipulations and any detour, staging or traffic control diagrams incorporated into approved plans.
- Excess material should be legally disposed of off-site. Contact the Municipality before transporting any material to other sites (including residential) within the municipality. Local ordinances may require prior approval.
- The contractor is reminded to contact MISS DIG (1-800-482-7171) 72 hours or 3 days prior to mobilization to the project and make any further inquiries to MISS DIG as construction continues or changes.
- If the Contractor is staging or storing on-site any combustible, flammable or corrosive chemicals, then these containers must have an OSHA approved secondary containment system. GM & Sons stated they do not plan to store any combustibles on-site.
- The Washtenaw County OCED prefers that the Engineer handle all inquiries, complaints and/or damage claims from residents here or abroad. The Engineer is provided with a "Claim Form" to record any such instances.
- The RRFB shop drawing was received at the meeting and will be provided to WCRC Garry S. and Brent S for review and approval.
- WCRC permit comments changed crossing markings and RRFB locations. OHM to issue a work change directive.
- WCRC will send maintenance agreement to the Township. This is needed prior to issuance of a permit.
- The contractor shall contact WCRC prior to performing sign installation, RRFB installation or pavement markings.

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- WCRC will allow temporary parking in ROW (if needed) during driveway concrete work.
- GM & sons will provide a draft resident notice flyer to OHM for review prior to distributing to the public.
- Include WCOCED on all change orders.
- WCOCED will provide a copy of the full signed construction contract to OHM.
- GM & Sons will provide a revised certificate of insurance to include OHM as additionally insured.

Review: These minutes should be reviewed as soon as copies are received. Please report any discrepancies to this writer immediately so necessary corrections can be made.

NOTES RECORDED BY: Chris Donajkowski, Construction Engineer

Enclosures

Cc: Jacob Rushlow, P.E., OHM
File

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
11	Washtenaw County , Northfield Township Main Street Sidewalk CDBG Project																							
12																								
13	Week of	8-1-2016					8-8-2016					8-15-2016					8-22-2016					8-29-2016		
14		Mon	Tues	Wed	Thurs	Fri	Mon	Tues	Wed	Thurs	Fri	Mon	Tues	Wed	Thurs	Fri	Mon	Tues	Wed	Thurs	Fri	Mon	Tues	Wed
15	Mobilize to site																							
16	Set-up Traffic Control																							
17	Install Soil Erosion Control																							
18	Sawcutting Existing Pavement																							
19	Site Utility Installation																							
20	Perform Removals / Excavation																							
21	Undercut																							
22	Install Concrete Pavement (GMSI)																							
23	Concrete Curing Time																							
24	Install Crosswalk / Signal																							
25	Landscape Restoration																							
26																								

RECEIVED
AUG 0 2 2016
ORCHARD, HILTZ & McCLIMENT, INC.

Notice to Proceed

Dated August 2, 2016

Project:	Owner:	Owner's Contract No.:
Main Street Sidewalk Improvements	Washtenaw County OCED	RFP #6881
Contract:		Engineer's Project No.:
Main Street Sidewalk Improvements – Northfield Twp		0161-15-0023

Contractor:

GM & Sons

Contractor's Address: (send Certified Mail, Return Receipt Requested)

6784 Whitmore Lake Road

Whitmore Lake, MI 48189

You are notified that the Contract Times under the above contract will commence to run on August 2, 2016. On or before that date, you are to start performing your obligations under the Contract Documents. In accordance with the Agreement, the date of Substantial Completion is September 2, 2016, and the date of readiness for final payment (final completion date) is September 30, 2016.

Before you may start any Work at the Site you must deliver to the Owner (with copies to Engineer and other identified additional insureds) certificates of insurance which each is required to purchase and maintain in accordance with the Contract Documents.

Washtenaw County Office of Community and Economic Development
Owner

Given by: Nathan Voght
Authorized Signature

Nathan Voght, Economic Dev. Specialist
Name and Title

August 2, 2016
Date

Cc: Jacob Rushlow, PE, OHM

Howard Fink

From: Jacob Rushlow [jacob.rushlow@ohm-advisors.com]
Sent: Friday, August 12, 2016 1:18 PM
To: Katie Lee; 'sean@gmandsons.com'; 'voghtn@ewashtenaw.com'
Cc: Benjamin Engelhard; Howard Fink
Subject: RE: Northfield Township Sidewalk
Attachments: image001.png; image003.png; 2016-08-12_MAIN STREET CDBG SIDEWALK WCWRC.PDF; Main St Sidewalk Site Location Map.pdf; 153128.geo.ltr.MainStreetSidewalks.ohm.pdf; Tech Spec - Restoration.pdf; MOP - Turf Establishment.pdf

Katie,

Thank you for your assistance with this SESC permit application. At this time we have addressed your review comments and will be submitting two revised hard copy plans to your office. We also offer the following responses/clarifications to your comments below:

1. R.O.W agreement for the sidewalk to be installed from the Washtenaw County Road Commission - We understand that Northfield Twp and the WCRC are working on the details of this agreement.

2. Signed permit application, signed by the landowner (Northfield township, who is the WCRC permit issued to?) If a designated agent signed the application, we will need an approval letter from the landowner for the designated agent to pull the permit on their behalf. - WCOCED is the contract holder with GM & Sons doing the construction. We understand that the permit application will be signed by Nathan Voght.

3. A performance guarantee in the amount of $2,000.00 in the form of cash, check or an irrevocable bank letter of credit. - We understand the GM & sons has communicated with the WCOCED regarding the performance guarantee and has requested a letter from them stating that the contract requires 10% retainage as a guarantee until all work is completed. Please advise if this is acceptable to the WCWRC.

4. Revised site plans with the following information.

a. Name, Address and telephone number of the landowner or designated agent - This has been added to the cover sheet.

b. Site location map showing the site and all adjacent properties and proximity to all surface water within 500 feet at a scale not more than 1" = 200' (WashCo) - This has been created as a separate document and is attached. A hard copy will be provided with the revised plan sets.

c. Soil survey or written description of the soil types of all exposed land area contemplated for earth change - A note was added to sheet 9 regarding the soil types and subsurface conditions from our geotechnical investigation. A copy of the geotech report is attached and a hard copy will be provided with the revised plan sets.

d. Contour/drainage information(WashCo) - contours were added to the site location map.

e. A description and location of the physical limits of the proposed earth change, mark and label on the plan. - proposed grading limits line and callout has been added to the plan on sheet 9.

f. Timing sequence for the project - The construction sequence can be found on sheet 9.

g. Silt fence is the only SESC measures proposed on site, correct? Add streets will be swept as needed. Yes, silt fence is the only SESC measure. A note exists on sheet 9 regarding street sweeping.

h. Indicate the description (how) and location (where) of how the site will be stabilized. - the project site is relatively flat so site stabilization is simply covered under a lump sum pay item for turf establishment and identified on sheet 2. A copy of the method of payment and restoration spec is attached for your information and a hard copy will be provided with the plan sets.

i. Add a program proposal, indicate who by name, will be responsible for the continued maintenance of all permanent soil erosion control measures after project completion. - clarification has been added on sheet 9 under note 10 regarding maintenance of permanent soil erosion control measures.

Thank you again for your assistance with this permit application. Please let me know if you have any questions regarding the material submitted.

JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

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F 734.522.6427
D 734.466.4517
C 734.812.7154
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From: Katie Lee [mailto:leek@ewashtenaw.org]
Sent: Thursday, August 11, 2016 11:47 AM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com>; 'sean@gmandsons.com' <sean@gmandsons.com>; 'voghtn@ewashtenaw.com' <voghtn@ewashtenaw.com>
Cc: Benjamin Engelhard <engelhardb@ewashtenaw.org>
Subject: Northfield Township Sidewalk

Good morning,

After reviewing the information submitted for the Northfield Township sidewalk project, the following information is needed for permit issuance;

1. R.O.W agreement for the sidewalk to be installed from the Washtenaw County Road Commission

2. Signed permit application, signed by the landowner (Northfield township, who is the WCRC permit issued to?) If a designated agent signed the application, we will need an approval letter from the landowner for the designated agent to pull the permit on their behalf.

3. A performance guarantee in the amount of $2,000.00 in the form of cash, check or an irrevocable bank letter of credit.

4. Revised site plans with the following information.

a. Name, Address and telephone number of the landowner or designated agent

b. Site location map showing the site and all adjacent properties and proximity to all surface water within 500 feet at a scale not more than 1" = 200' (WashCo)

c. Soil survey or written description of the soil types of all exposed land area contemplated for earth change

d. Contour/drainage information(WashCo)

e. A description and location of the physical limits of the proposed earth change, mark and label on the plan.

f. Timing sequence for the project

g. Silt fence is the only SESC measures proposed on site, correct? Add streets will be swept as needed.

h. Indicate the description (how) and location (where) of how the site will be stabilized.

i. Add a program proposal, indicate who by name, will be responsible for the continued maintenance of all permanent soil erosion control measures after project completion.

Two sets of revised plan are needed for permit issuance. No further work should occur on site until a Part 91 permit has been issued.

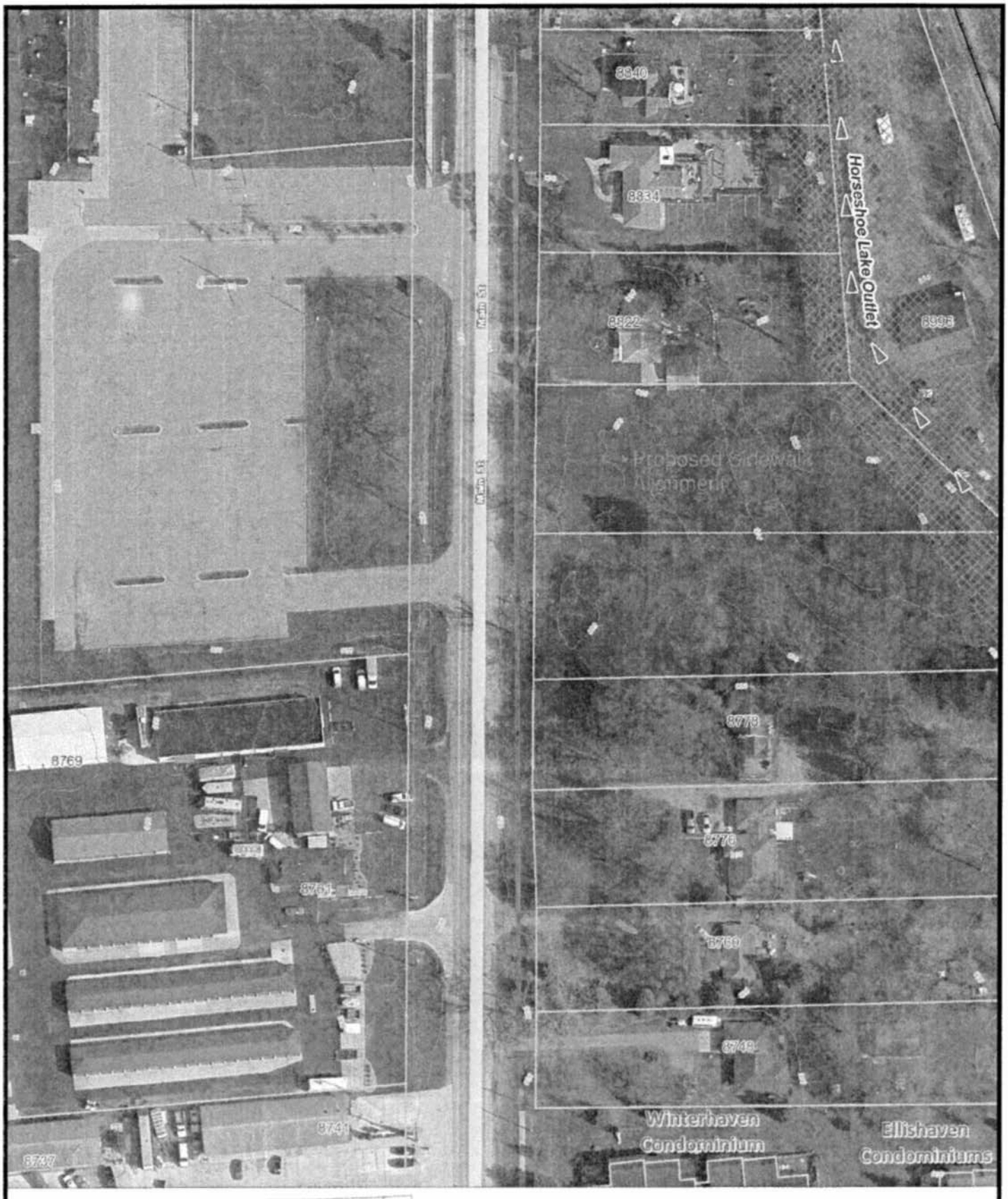
If you have any questions you can contact myself or Benn Engelhard with our office for assistance.

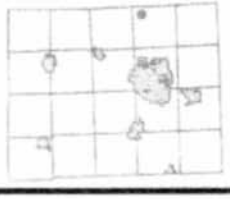
Thank you,
Katie

Katie Lee | Soil Erosion Supervisor
Washtenaw County Water Resources Commissioner's Office
705 N. Zeeb Rd., P.O. Box 8645, Ann Arbor, MI 48107-8645 Direct Line (734) 222-3978 Office (734) 222-6860 Fax (734) 222-6803

How did we do?
Please take a moment to complete an online evaluation
https://www.surveymonkey.com/r/WCWRCsurvey

Visit us online<http://drains.ewashtenaw.org/> or follow the Water Resources Commissioner's Office on Facebook<http://www.facebook.com/WCWRC>.
Flooding or drainage concerns? Report your problem online.<http://gisapp.ewashtenaw.org/drainscsr/>





0 50.00 100.0 200.0 Feet

1: 1,200

8/11/2016

Geographic Information System

NOTE: Parcels may not be to scale.

The information contained in this cadastral map is used to locate, identify and inventory parcels of land in Washtenaw County for appraisal and taxing purposes only and is not to be construed as a "survey description". The information is provided with the understanding that the conclusions drawn from such information are solely the responsibility of the user. Any assumption of legal status of this data is hereby disclaimed.

© 2013 Washtenaw County

THIS MAP REPRESENTS PARCELS AT THE TIME OF PRINTING. THE OFFICIAL PARCEL TAX MAPS ARE MAINTAINED SOLELY BY THE WASHTENAW COUNTY EQUALIZATION DEPARTMENT AND CAN BE OBTAINED BY CONTACTING THAT OFFICE AT 734-222-6662.

design plans shall be considered as included in the RRFB payment. Any mounting hardware and wiring that is required to install these components shall also be considered as included in the RRFB payment. An MDOT special provision for the Rectangular Rapid Flashing Beacon has also been included in the appendix for materials and construction information.

PAVEMENT MARKINGS
(Bid Item Nos. 19, 20, 21, and 22)

The completed work as measured for PAVEMENT MARKINGS will be paid for at the contract unit prices for the following contract items (pay items):

Pay Item	Pay Unit
Pavt Mrkg, Ovly Cold Plastic, 6 inch, White	foot
Pavt Mrkg, Ovly Cold Plastic, 12 inch, White	foot
Pavt Mrkg, Ovly Cold Plastic, Ped	each
Pavt Mrkg, Ovly Cold Plastic, Xing	each

Pavement marking shall be measured in place horizontally by linear feet. The length shall be measured along the segment from end to end.

The contract unit price shall be payment in full for all labor, materials, and equipment necessary to furnish and install the pavement markings in accordance with the plan details and the manufacturer's instructions. All sweeping and preparatory work as well as traffic control and temporary protection of newly placed markings shall be considered as incidental to the pavement marking work. Removal of any temporary pavement markings shall also be considered as incidental unless the Bid Form already includes pay items for removing temporary markings.

TURF ESTABLISHMENT
(Bid Item No. 23)

The completed work as measured for TURF ESTABLISHMENT will be paid for at the contract unit price for the following contract items (pay items):

Pay Item	Pay Unit
Turf Establishment	lump sum

Turf Establishment with seed or sod shall be measured in place using the sidewalk alignment stationing. All materials, labor and equipment required or selected by the Contractor to install, maintain, inspect, repair and meet the acceptance parameters for turf establishment specified in this special provision, including preparation, updating and submittal of the Contractor's Daily Reports, are included in the contract unit price bid for "Turf Establishment".

Repairs made to damaged turf establishment areas as a result of a documented storm by local meteorological data resulting in rainfall amounts of more than 3 inches in a 24-hour period will be paid for as an increase to original quantities in accordance with subsection 109.05 of the Standard specifications for Construction. The following schedule of payment applies to work performed according to this special provision. Upon completion of topsoil surfacing stage, 50 percent of the authorized amount for Turf Establishment will be paid to the Contractor. The remaining 50 percent of the authorized amount will be paid upon completion of all other work necessary to comply with this special provision

and to meet all final acceptance parameters for Turf Establishment or at such time as the supplemental performance bond is accepted by the Department.

The supplemental performance bond and all costs associated with turf establishment work performed during the duration of the performance bond, will not be paid for separately. These costs which may include, but are not limited to, mobilization, traffic control devices, and the required permit insurance are included in the unit price bid for "Turf Establishment".

Application of mulch anchoring shall be considered as incidental to the placement of the mulch unless a separate pay item for the mulch anchoring has been included in the Bid Form.

DIGITAL VIDEO RECORDED SURVEY
(Bid Item No. 24)

The completed work as measured for DIGITAL VIDEO RECORDED SURVEY will be paid for at the contract lump sum price for the following contract item (pay item):

Pay Item	Pay Unit
Digital Video Recorded Survey	lump sum

The lump sum price shall be payment in full for all labor, materials, and equipment necessary to prepare the audio video route survey in accordance with the specifications. Video recording limits are discussed in the Supplemental Specifications section.

Payment shall include the provision of two sets of DVDs containing the complete recordings to the Engineer.

CLEAN OUT STRUCTURES

Upon completion of the restoration work, the contractor shall clean out all drainage and sanitary sewer structures, which are located within the project area. This work shall be considered as incidental to the project cost.

MISCELLANEOUS RESTORATION ITEMS

Restoration of miscellaneous items such as, but not limited to, street signs, traffic signs, shrubbery and other ornamental landscape items which are damaged, removed, or destroyed by the Contractor in the course of the work shall be repaired or replaced by the Contractor with new materials of equal quality as existed prior to the start of work. All such items for which specific bid items are not listed in the proposal shall be considered as incidental work and shall be replaced or repaired at the expense of the Contractor.

FINAL CLEAN UP

Final cleanup of the job shall be considered as incidental. Items in this category include removal of debris and litter from the site, removal of surplus materials, sweeping, repair of any damages, and clean out of drainage structures located within the work area.

Surface Restoration shall commence immediately upon completion of final grading or as MDOT seasonal limitations dictate.

CONSULTING
GROUP

July 1, 2015

Mr. Jacob Rushlow
Project Manager
OHM Advisors
34000 Plymouth Road
Livonia, Michigan 48150

RE: Letter of Geotechnical Investigation
Main Street Sidewalk Project
Northfield Township, Michigan
G2 Project No. 153128

Dear Mr. Rushlow:

In accordance with your request, we have completed the geotechnical investigation for the proposed sidewalk to be constructed on Main Street in Northfield Township, Michigan. We understand the proposed project includes the construction of two non-contiguous sections of pavement extending northward from an existing sidewalk for approximately 800 linear feet on the east side of Main Street. The proposed sidewalk will generally support pedestrian traffic.

The purpose of our investigation is to determine and evaluate the subsurface conditions along the proposed sidewalk alignment and to develop recommendations for the support of the proposed sidewalk and to recommend a pavement design cross section.

FIELD OPERATIONS

G2 Consulting Group, LLC (G2) in conjunction with OHM Advisors, selected the number, depth, and location of the hand augered soil borings. Soil boring locations were determined in the field by a G2 representative by use of GPS assisted mobile technology. The approximate soil boring locations are shown on the Soil Boring Location Plan, Plate No. 1 in the appendix. Ground surface elevations at the soil boring locations were approximated from information accessible within Google Earth Pro.

Soil borings were excavated by use of a 3-inch inside diameter hand auger. Within each soil boring, soil samples were taken at regular 2 foot intervals or where a transition in the subsurface soil conditions were noted. The soil samples were placed in sealed containers and brought to our laboratory for classification and testing. A Dynamic Cone Penetrometer (DCP) test was performed within each soil boring at depths of 2 and 4 feet below existing grades to evaluate the consistency of the subsurface soil. DCP testing involved driving a 1-1/2 inch diameter cone with a 45° convex angle into the ground using a 15-pound weight dropped 20 inches after the cone has been seated into the bottom of the soil boring. The DCP is driven in successive 1-3/4 inch increments. The blow counts for each 1-3/4 inch increment are presented on the individual hand-auger soil boring logs.

During the excavation operations, a G2 representative maintained logs of the encountered subsurface soil conditions, including changes in stratigraphy and observed groundwater levels. The final soil boring logs are based on the field logs and laboratory classification and testing. After completion of the excavation operations, soil borings were backfilled with excavated soils.

LABORATORY TESTING

Representative soil samples were subjected to laboratory testing to determine soil parameters pertinent to pavement design and site preparation. An experienced geotechnical engineer classified the soil samples in general accordance with the Unified Soil Classification System (USCS).

Laboratory testing included natural moisture content and unconfined compressive strength determinations. Unconfined compressive strengths were determined by use of a hand penetrometer or a hand-held Torvane shear device. The hand penetrometer estimates the unconfined compressive strength to a maximum of 4-1/2 tons per square foot (tsf) by measuring the resistance of the soil sample to the penetration of a calibrated spring loaded cylinder. The hand held Torvane shear device estimates the shear strength of a cohesive soil to a maximum of 1 tsf by measuring the resistance of the soil sample to the applied torque of a vane seated in the soil sample. The shear strength determined by the Torvane shear device is multiplied by a factor of two to approximate the unconfined compressive strength and is presented on the soil boring log as an equivalent unconfined compressive strength.

The results of the moisture content and unconfined compressive strength determinations are indicated on the soil boring logs, Figure Nos. 1 through 4, at the depths samples were obtained. We will hold the soil samples for 60 days from the date of this report after which they will be discarded. If you would like the samples, please let us know.

SOIL AND GROUNDWATER CONDITIONS

Silty sand topsoil is present at the ground surface of the soil boring locations ranging in thickness from 12 to 16 inches. Native silty sand is present beneath the topsoil within the borings extending to depths ranging from approximately 2 to 3-1/2 feet below existing grades. Silty clay underlies the silty sand within soil borings HA-01 and HA-02 extending to the explored depths. Sandy clay is present beneath the silty sand within soil boring HA-04 extending to a depth of 3-1/2 feet. Sand is present beneath the silty sand within soil boring HA-03 and the sandy clay within HA-04 extending to the explored depth of 5 feet.

In general, the native granular soils are loose to medium compact with DCP blow counts ranging from 6 to 28 blows per 1-3/4 inch, however, are compact within HA-04 extending from 3-1/2 feet to 5 feet below existing grade with a DCP blow count of 34 blows per 1-3/4 inch. The native cohesive soils are medium to stiff in consistency with natural moisture contents ranging from 15 to 26 percent and unconfined compressive strengths ranging from 1,200 to 2,500 pounds per square foot.

Groundwater observations were made during and upon completion of excavation operations. Groundwater was observed at depths ranging from 3 feet to 3 feet 10 inches below existing grades during and upon completion of drilling operations. It should be noted that groundwater observations made during excavation operations in predominantly cohesive soils are not necessarily indicative of the static ground water levels. This is due to the low permeability of such soils and the tendency of augering operations to seal off the natural paths of groundwater flow. Additionally, fluctuations in perched and long term groundwater levels should be anticipated due to seasonal variations and following period of prolonged precipitation.

SITE CONDITIONS

The proposed pathway alignment extends northward from the terminus of the existing pathway extending northward approximately 800 linear feet. Several ADA compliant ramps will be constructed on the west and east limits of the proposed pathway. A street crossing is proposed extending from Sta. 8+00 to 8+50. An existing swale and underground utilities are present immediately to the east of the proposed alignment.

An existing topographical map was not available at the time this report was written; however, based on information accessible within Google Earth Pro, site grades appear to be within 1 foot of EL 907.5 feet along the proposed pathway alignment.

The proposed pathway alignment is bounded by Main Street to the west and residential properties to the east. Several commercial properties are present near the southern leg of the alignment and Whitmore Lake Public Schools are present near the northern leg of the alignment.

PAVEMENT RECOMMENDATIONS

General

According to the Northfield Township Code of Ordinances, Sec. 14-119.(c), sidewalks shall be concrete, four inches thick, with a six inch thickness under driveways. Based on our observations and testing of the subgrade soils within the proposed pathway alignment, the required minimum pavement cross section required by Northfield Township appears to provide adequate support for the anticipated pedestrian traffic loading. We anticipate that little site work will be done to adjust grades for the proposed pathway alignment; however, due to the presence of topsoil extending to depths of up to 16 inches, we anticipate that some grade cuts and subsequent backfilling excavations will be required.

Site Preparation

At the start of earthwork operations, the existing topsoil, vegetation, and root masses should be removed in their entirety within the proposed alignment. The exposed subgrade, anticipated to consist of silty sand throughout the alignment, should be thoroughly evaluated for stability prior to the placement of engineered fill by proof compaction with a vibratory roller. The roller should make 10 passes in each direction. Unsuitable areas exhibiting excessive instability such as rutting under construction traffic should be removed by undercutting or improved with additional compaction.

Any engineered fill placed should be an approved, environmentally clean material. We recommend that any engineered fill used for the development of the pavement subgrade be comprised of MDOT Class II sand and be placed in loose lifts not to exceed 6 inches in loose thickness. The engineered fill should be compacted to achieve a density of 95 percent of the maximum dry density as determined in the field by use of the Michigan 1-point cone or by the Modified Proctor Compaction Test (ASTM D1557). All engineered fill should be placed and compacted at the approximate optimum moisture content. Frozen materials should not be used as fill, nor should fill be placed on a frozen subgrade.

Pavement Design

We understand the proposed sidewalk will be subject to pedestrian traffic. Additionally, we anticipate that the proposed sidewalk will be subject to passenger vehicle loading in areas where the sidewalk alignment crosses existing residential driveways. Per the Northfield Township Code of Ordinances, we anticipate that the proposed pavement design cross section should provide sufficient support for the anticipate traffic conditions. The following table provides the requirements for pavement design set forth by Northfield Township:

	Minimum Cross Section Thickness (inches)	
Material	Pedestrian Walks	Pedestrian Walks Under Driveways
MDOT P1 Portland Cement Concrete	4	6
MDOT Class II Sand	4	4

Pavement Drainage and Maintenance

The pavement and subbase should be properly sloped to promote effective surface and subsurface drainage as well as prevent surface water from ponding. We also recommend pavement subbase materials consist of non-frost susceptible aggregates. Regular timely maintenance should be performed on the pavement to reduce the potential for deterioration associated with moisture infiltration through surface cracks and pavement joints. The owner should be prepared to seal the cracks with a hot-applied elastic crack-filler as soon as reasonably possible after cracking developed and as often as necessary to block the transmission of water to the subgrade soils. We recommend that crack sealing be performed on a yearly basis for pavements that are in good and fair condition to extend the serviceable life of the pavement.

GENERAL COMMENTS

If changes occur in the design, location, or concept of the project, conclusions and recommendations contained in this report are not valid unless G2 Consulting Group, LLC reviews the changes. G2 Consulting Group, LLC will then confirm any assumptions regarding the project scope presented herein or make changes in writing.

The scope of the present investigation was limited to evaluation of subsurface conditions for the proposed pedestrian sidewalk and other related aspects of the development. No chemical or environmental testing or analyses were included in the scope of this investigation.

We base the analyses and recommendations submitted in this report upon the data from the soil borings performed at the approximate locations shown on the Soil Boring Location Plan, Plate No. 1. This report does not reflect variations that may occur between the actual soil boring locations and the sidewalk alignment. The nature and extent of any such variations may not become clear until the time of construction. We recommend G2 Consulting Group, LLC observe all geotechnical related work, including subgrade preparation and engineered fill placement.

We appreciate the opportunity to be of service to you on this project and look forward to discussing the results presented. In the meantime, if you have any questions regarding this report or any other matter pertaining to the project, please call us.

Respectfully,

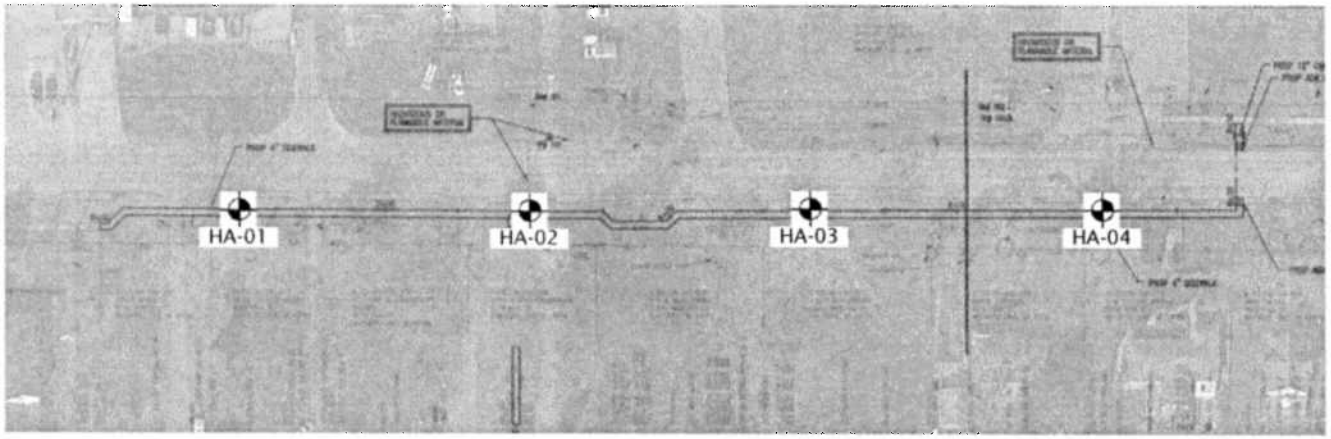
G2 Consulting Group, LLC

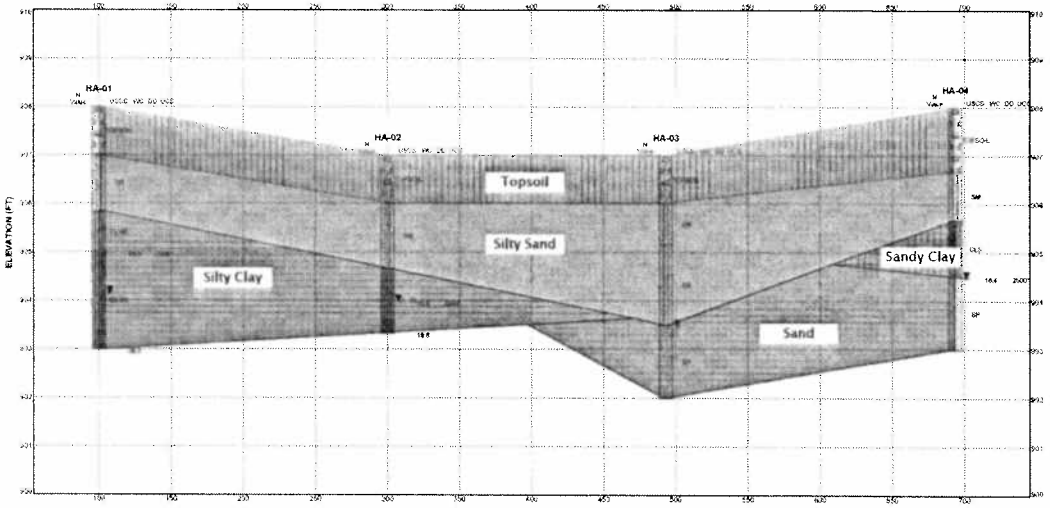
Michael G. Dagher, E.I.T.
Staff Engineer

Jason B. Stoops, P.E.
Office Manager / Project Manager

MGS/JBS/cjh

Encl:
- Soil Boring Location Plan — Plate No. 1
- Soil Boring Logs — Figure Nos. 1 through 4
- General Notes Terminology — Figure No. 5





Legend

Hand Augers Excavated by G2 Consulting Group, LLC on June 24th, 2015.

Soil Boring Location Plan

Main Street Sidewalks
Main Street
Northfield Township, Michigan

Project No.	153128
Drawn by:	MGD
Date:	6/18/15
Scale:	NTS
Plate No.	1

G2 CONSULTING GROUP

Project Name: Main Street Sidewalks

Project Location: Main Street
Northfield Township, Michigan

G2 Project No. 153128

Latitude: N/A Longitude: N/A

Soil Boring No. HA-01

CONSULTING GROUP

SUBSURFACE PROFILE

SOIL SAMPLE DATA

ELEV. (ft)	PRO-FILE	GROUND SURFACE ELEVATION: 908.0 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
		Topsoil: Dark Grayish Brown Silty Sand with trace gravel (12 inches) 1.0							
		Loose Grayish Brown Silty Sand with trace gravel 2.2		BS-01					
		Stiff Grayish Brown Silty Clay with trace sand and gravel 3.0		BS-02			14.9		2000*
903.0		Medium Brown Silty Clay with trace sand and gravel 5.0	5	BS-03			26.2		1200**
		End of Boring @ 5 ft							
898.0			10						

Total Depth: 5 ft
Drilling Date: June 24, 2015
Inspector: F. Buniewicz
Contractor: G2 Consulting Group, LLC
Driller: G2 Consulting Group, LLC

Drilling Method:
3-inch inside diameter hand auger

Water Level Observation:
3-3/4 feet during and upon completion of excavation operations

Notes:
* Calibrated Hand Penetrometer
** Torvane

Excavation Backfilling Procedure:
Borehole backfilled with excavated soil

Figure No. 1

SOIL / PAVEMENT BORING 153128.GPJ 20140820 G2 CONSULTING DATA TEMPLATE.GDT 7/1/15

Project Name: Main Street Sidewalks

Project Location: Main Street
Northfield Township, Michigan

G2 Project No. 153128

Latitude: N/A Longitude: N/A

Soil Boring No. HA-02

G2 CONSULTING GROUP

SUBSURFACE PROFILE				SOIL SAMPLE DATA					
ELEV. (ft)	PRO-FILE	GROUND SURFACE ELEVATION: 907.0 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
		Topsoil: Dark Grayish Brown Silty Sand with trace gravel (12 inches)	1.0						
		Loose Grayish Brown Silty Sand with trace gravel	2.3	BS-01					
		Stiff Grayish Brown Silty Clay with trace sand gravel	3.7	BS-02			15.8		2000*
				BS-03			18.8		
		End of Boring @ 3.7 ft							
902.0			5						
897.0			10						

Total Depth: 3.7 ft
Drilling Date: June 24, 2015
Inspector: F. Buniewicz
Contractor: G2 Consulting Group, LLC
Driller: G2 Consulting Group, LLC

Drilling Method:
3-inch inside diameter hand auger

Water Level Observation:
3-2/3 feet during and upon completion of excavation operations

Notes:
* Calibrated Hand Penetrometer

Excavation Backfilling Procedure:
Borehole backfilled with excavated soil

Figure No. 2

SOIL / PAVEMENT BORING 153128.GPJ 20140820 G2 CONSULTING DATA TEMPLATE.GDT 7/1/15

Project Name: Main Street Sidewalks

Project Location: Main Street
Northfield Township, Michigan

G2 Project No. 153128

Latitude: N/A Longitude: N/A

Soil Boring No. HA-03

CONSULTING GROUP

SUBSURFACE PROFILE				SOIL SAMPLE DATA					
ELEV. (ft)	PRO-FILE	GROUND SURFACE ELEVATION: 907.0 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
		Topsoil: Dark Grayish Brown Silty Sand with trace gravel (12 inches) 1.0							
		Grayish Brown Silty Sand with trace gravel and clay 1.8		BS-01					
		Loose Brown Silty Sand with trace gravel 3.5 ▼		BS-02					
902.0		Medium Compact Brown Sand with trace silt and gravel 5.0	5	BS-03					
897.0		End of Boring @ 5 ft	10						

Total Depth: 5 ft
Drilling Date: June 24, 2015
Inspector: F. Buniewicz
Contractor: G2 Consulting Group, LLC
Driller: G2 Consulting Group, LLC

Water Level Observation:
3-1/2 feet during and upon completion of excavation operations

Excavation Backfilling Procedure:
Borehole backfilled with excavated soil

Drilling Method:
3-inch inside diameter hand auger

Figure No. 3

SOIL / PAVEMENT BORING 153128.GPJ 20140820 G2 CONSULTING DATA TEMPLATE.GDT 7/1/15

Project Name: Main Street Sidewalks

Project Location: Main Street
Northfield Township, Michigan

G2 Project No. 153128

Latitude: N/A Longitude: N/A

Soil Boring No. HA-04

CONSULTING GROUP

SUBSURFACE PROFILE				SOIL SAMPLE DATA					
ELEV. (ft)	PRO-FILE	GROUND SURFACE ELEVATION: 908.0 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
		Topsoil: Dark Grayish Brown Silty Sand with trace gravel (16 inches) 1.3							
		Loose Brown Silty Sand with trace gravel 2.3		BS-01					
		Stiff Brown Sandy Clay with trace gravel 3.5		BS-02			16.4		2500*
903.0		Compact Brown Sand with trace silt and gravel 5.0	5	BS-03					
898.0		End of Boring @ 5 ft	10						

Total Depth: 5 ft
Drilling Date: June 24, 2015
Inspector: F. Buniewicz
Contractor: G2 Consulting Group, LLC
Driller: G2 Consulting Group, LLC

Drilling Method:
3-inch inside diameter hand auger

Water Level Observation:
3-1/2 feet during and upon completion of excavation operations

Notes:
* Calibrated Hand Penetrometer

Excavation Backfilling Procedure:
Borehole backfilled with excavated soil

Figure No. 4

SOIL / PAVEMENT BORING 153128.GPJ 20140820 G2 CONSULTING DATA TEMPLATE.GDT 7/1/15

CONSULTING GROUP

GENERAL NOTES TERMINOLOGY

Unless otherwise noted, all terms herein refer to the Standard Definitions presented in ASTM 653.

PARTICLE SIZE

Boulders		- greater than 12 inches
Cobbles		- 3 inches to 12 inches
Gravel	- Coarse	- 3/4 inches to 3 inches
	- Fine	- No. 4 to 3/4 inches
Sand	- Coarse	- No. 10 to No. 4
	- Medium	- No. 40 to No. 10
	- Fine	- No. 200 to No. 40
Silt		- 0.005mm to 0.074mm
Clay		- Less than 0.005mm

CLASSIFICATION

The major soil constituent is the principal noun, i.e. clay, silt, sand, gravel. The second major soil constituent and other minor constituents are reported as follows:

Second Major Constituent (percent by weight)	Minor Constituent (percent by weight)
Trace - 1 to 12%	Trace - 1 to 12%
Adjective - 12 to 35%	Little - 12 to 23%
And - over 35%	Some - 23 to 33%

COHESIVE SOILS

If clay content is sufficient so that clay dominates soil properties, clay becomes the principal noun with the other major soil constituent as modifier, i.e. sandy clay. Other minor soil constituents may be included in accordance with the classification breakdown for cohesionless soils, i.e. silty clay, trace sand, little gravel.

Consistency	Unconfined Compressive Strength (psf)	Approximate Range of (N)
Very Soft	Below 500	0 - 2
Soft	500 - 1,000	3 - 4
Medium	1,000 - 2,000	5 - 8
Stiff	2,000 - 4,000	9 - 15
Very Stiff	4,000 - 8,000	16 - 30
Hard	8,000 - 16,000	31 - 50
Very Hard	Over 16,000	Over 50

Consistency of cohesive soils is based upon an evaluation of the observed resistance to deformation under load and not upon the Standard Penetration Resistance (N).

COHESIONLESS SOILS

Density Classification	Relative Density %	Approximate Range of (N)
Very Loose	0 - 15	0 - 4
Loose	16 - 35	5 - 10
Medium Compact	36 - 65	11 - 30
Compact	66 - 85	31 - 50
Very Compact	86 - 100	Over 50

Relative Density of cohesionless soils is based upon the evaluation of the Standard Penetration Resistance (N), modified as required for depth effects, sampling effects, etc.

SAMPLE DESIGNATIONS

AS - Auger Sample - Cuttings directly from auger flight
BS - Bottle or Bag Samples
S - Split Spoon Sample - ASTM D 1586
LS - Liner Sample with liner insert 3 inches in length
ST - Shelby Tube sample - 3 inch diameter unless otherwise noted
PS - Piston Sample - 3 inch diameter unless otherwise noted
RC - Rock Core - NX core unless otherwise noted

STANDARD PENETRATION TEST (ASTM D 1586) - A 2.0 inch outside-diameter, 1-3/8 inch inside-diameter split barrel sampler is driven into undisturbed soil by means of a 140-pound weight falling freely through a vertical distance of 30 inches. The sampler is normally driven three successive 6-inch increments. The total number of blows required for the final 12 inches of penetration is the Standard Penetration Resistance (N).

TOWNSHIP OF NORTHFIELD

IN COOPERATION WITH

WASHTENAW COUNTY

OFFICE OF COMMUNITY AND ECONOMIC DEVELOPMENT

MAIN STREET CDBG SIDEWALK

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	COVER
2	GENERAL NOTES
3	LEGEND
4-5	CONSTRUCTION PLAN
6-7	GRADING PLAN
8	PAVEMENT MARKINGS
9	SOIL EROSION AND SEDIMENTATION CONTROL

M.D.O.T. STANDARD PLANS	
TITLE	PLAN NO.
DRIVEWAY OPENINGS & APPROACHES AND CONCRETE SIDEWALKS	R-29-I
SOIL EROSION AND SEDIMENTATION CONTROL	R-96-E
TEMPORARY TRAFFIC CONTROL DEVICES	WZD-125-E

M.D.O.T. SPECIAL DETAILS	
TITLE	PLAN NO.
SIDEWALK RAMP DETAILS	R-28-J
RECTANGULAR RAPID FLASHING BEACON	SIG-027-B

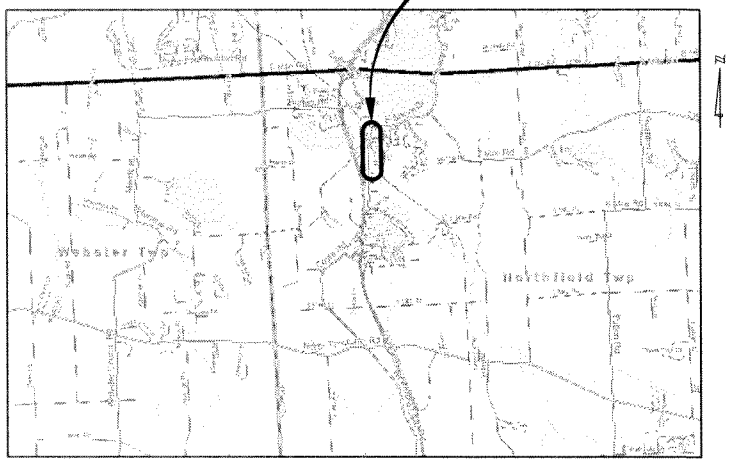
GENERAL PROVISIONS

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE PROPOSAL AND ACCOMPANYING SPECIFICATIONS FOR THIS PROJECT INCLUDING THE 2012 MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, AASHTO'S 2011 A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS.

THE LOCATION OF ALL PUBLIC UTILITIES SHOWN ON THESE PLANS IS TAKEN FROM THE BEST AVAILABLE DATA. THE WASHTENAW COUNTY ROAD COMMISSION AND NORTHFIELD TOWNSHIP WILL NOT BE RESPONSIBLE FOR ANY OMISSION OR VARIATION FROM THE LOCATIONS SHOWN. PURSUANT TO ACT 53 OF THE P.A. OF 1974, AS A CONDITION OF THIS CONTRACT, NOTICE SHALL BE GIVEN TO MISS DIG PRIOR TO UNDERGROUND WORK TO BE PERFORMED IN ACCORDANCE WITH THIS CONTRACT. PHONE (800) 482-7171 OR 811. UTILITY SERVICE CONNECTIONS ARE NOT SHOWN ON THE PLANS AND ARE NOT THE RESPONSIBILITY OF THE ROAD COMMISSION.

THE ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON NAVD 1988 VERTICAL DATUM.

PROJECT LOCATION



LOCATION MAP

N.T.S.

APPLICATION DATE	PERMITS	APPROVAL DATE
6/9/2016	WCWRC SOIL EROSION PERMIT	
6/9/2016	WCRC R.O.W. PERMIT	

BOARD MEMBERS

MARILYN ENGSTROM
• SUPERVISOR •

ANGELA WESTOVER
• CITY CLERK •

KATHY BRAUN
• TREASURER •

WAYNE DOCKETT
JACKI OTTO
TRACY THOMAS
JANET CHICK
• TRUSTEES •

HOWARD FINK
MANAGER •

WASHTENAW COUNTY OFFICE OF COMMUNITY AND ECONOMIC DEVELOPMENT
NATHAN VOGHT
(734)544-3055
415 W. MICHIGAN AVENUE, SUITE 2200
YPSILANTI, MI 48197

NORTHFIELD TOWNSHIP
HOWARD FINK
(734)449-2880
8350 MAIN STREET
WHITMORE LAKE, MI 48189

CONTRACT FOR: APPROXIMATELY 950 FEET OF 5 FOOT WIDE CONCRETE SIDEWALK ALONG THE EAST SIDE OF MAIN STREET LINKING THE EXISTING SIDEWALK AT THE WESTBROOK APARTMENT COMPLEX TO THE WHITMORE LAKE MIDDLE SCHOOL.

OHM
Advancing Communities
34000 Plymouth Road | Livonia, MI 48150
p (734) 522-6711 | f (734) 522-6427

PREPARED UNDER THE SUPERVISION OF:

53603
Registration No.

JACOB RUSHLOW

JUNE 16, 2016
Date

REVISIONS

1. REVISED PER WCRC COMMENTS ON 08/03/16
2. REVISED PER WCWRC COMMENTS ON 08/12/16

PROJECT NO.	SHEET NO.
0161-15-0020	1 OF 9

GENERAL PROVISIONS

THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND THE NORTHFIELD TOWNSHIP DESIGN STANDARDS EXCEPT AS NOTED HEREIN AND IN THE WASHTENAW COUNTY REQUEST FOR PROPOSAL #6881.

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN SUCH A MANNER TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL CODES FOR NOISE LEVELS, VIBRATIONS, OR ANY OTHER RESTRICTIONS WHILE REMOVING PAVEMENT OR FOR ANY OTHER CONSTRUCTION OPERATIONS WITHIN THIS CONTRACT TO BE INCLUDED IN THE RESPECTIVE ITEM OF WORK.

THE CONTRACTOR SHALL NOT ENTER UPON PRIVATE PROPERTY FOR ANY PURPOSE WITHOUT OBTAINING WRITTEN PERMISSION, AND HE/SHE SHALL BE RESPONSIBLE FOR PRESERVATION OF ALL PUBLIC PROPERTY, TREES, MONUMENTS, ETC. ALONG AND ADJACENT TO THE STREET AND/OR RIGHT OF WAY, AND SHALL USE EVERY PRECAUTION NECESSARY TO PREVENT DAMAGE OR INJURY THERETO. HE/SHE SHALL USE SUITABLE PRECAUTIONS TO PREVENT DAMAGE TO PIPES, CONDUITS, AND OTHER UNDERGROUND STRUCTURES AND SHALL PROTECT CAREFULLY FROM DISTURBANCE OR DAMAGE ALL MONUMENTS AND PROPERTY MARKERS UNTIL THE ENGINEER OR AUTHORIZED AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION AND SHALL NOT REMOVE THEM UNTIL DIRECTED.

THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE LOCAL FIRE AND POLICE DEPARTMENTS 24 HOURS IN ADVANCE OF CONSTRUCTION PHASING REQUIRED FOR WORK SUCH AS FOR SEWER, CULVERT CROSSINGS AND ROADWAY EXCAVATION.

UTILITIES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, THE CONTRACTOR SHALL DIAL 1-800-482-7171, OR 811, A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM. UTILITY LOCATIONS SHOWN ON THE PLANS ARE ONLY APPROXIMATE AND SHOULD BE LOCATED IN THE FIELD BEFORE EXCAVATING IN THE AREA.

TELEPHONE

AT&T
54 N. MILL ST./BOX 35
PONTIAC, MI 48342
PHONE: (248) 456-9751
EMAIL: gj2868@att.com

CABLE

CHARTER COMMUNICATIONS
ATTN: DAN BIELACZYC
1392 TRADE CENTER DRIVE
TRAVERSE CITY, MI 49696
PHONE: (231) 941-3819
EMAIL: dan.bielaczyc@charter.com

ELECTRIC TRANSMISSION

DTE, ELECTRIC
8001 HAGGERTY ROAD
BELLEVILLE, MI 48111
PHONE: (734) 397-4321
EMAIL: swpo@dtenergy.com

SEWER

NORTHFIELD TOWNSHIP WWTP
ATTN: TIM HARDESTY
1150 LEMEN ROAD
WHITMORE LAKE, MI 48189
PHONE: (734) 449-4159
EMAIL: hardestyt@twp.northfield.mi.us

GAS

CONSUMER'S ENERGY
ATTN: MARTHA DEBUSE
530 WILLOW STREET
LANSING, MI 48809
PHONE: (517) 373-6100
EMAIL: marthc.dibase@cmsenergy.com

SOIL BORINGS AND/OR PAVEMENT CORES

THE SOIL BORING LOCATION ON THE CONSTRUCTION SHEETS REPRESENTS POINT INFORMATION. PRESENTATION OF THIS INFORMATION IN NO WAY INFERS THAT SUBSURFACE CONDITIONS ARE THE SAME AT LOCATIONS OTHER THAN THE EXACT LOCATION OF THE BORING. SOIL BORING LOGS CAN BE FOUND IN THE APPENDIX OF THE WASHTENAW COUNTY REQUEST FOR PROPOSAL #6881.

DUST CONTROL

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON THIS PROJECT. KEEPING DUST TO A MINIMUM IS HIGH PRIORITY AND WILL BE EXPECTED TO BE MAINTAINED ON A REGULAR BASIS. DUST CONTROL WILL BE CONSIDERED INCIDENTAL TO THE PROJECT.

SAWCUTS

THE CONTRACTOR SHALL SAWCUT THE EXISTING CONCRETE AND/OR HMA PAVEMENT AND DRIVEWAYS TO THE LIMITS OF PROPOSED CONSTRUCTION, TO MAKE A NEAT AND SMOOTH CONNECTION TO THE EXISTING PAVEMENT OR DRIVEWAY AS REQUIRED AND DIRECTED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE BID FOR OTHER REMOVAL ITEMS.

FLAGGING OPERATIONS

THE CONTRACTOR AND ANY SUBCONTRACTORS WHO WILL BE USING A FLAGGING OPERATION FOR THIS PROJECT SHALL BE REQUIRED TO PROVIDE SATISFACTORY DOCUMENTATION PROVING THAT THEY HAVE MET THE MINIMUM REQUIREMENTS SET FORTH IN SECTION 812 OF THE 2012 MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION. FAILURE TO PROVIDE DOCUMENTATION WILL RESULT IN THE ROAD AUTHORITY WITHHOLDING PAYMENT FOR FLAGGING OPERATIONS.

ALL FLAGGING, SIGNAGE AND TYPE III BARRICADES SHALL BE PLACED DURING CONSTRUCTION AND SHALL BE PAID FOR AS "Traffic Control".

TREE REMOVAL

CONTRACTOR SHALL MEET ENGINEER IN FIELD TO DETERMINE AND FINALIZE ALL TREE REMOVALS AND CLEARING LIMITS PRIOR TO COMMENCING WORK.

MISCELLANEOUS

SANITARY SEWER AND MANHOLES SHOWN ON THE PLANS ARE FROM RECORD PLAN INFORMATION. IT IS BELIEVED THAT THE SANITARY MANHOLES ARE BURIED AND THESE MANHOLES WILL NEED TO BE ADJUSTED OR RECONSTRUCTED TO MATCH THE PROPOSED FINISHED GRADES.

LAWN SPRINKLER SYSTEMS AND LANDSCAPING

IT IS NOT ANTICIPATED THAT THERE IS EXISTING IRRIGATION, HOWEVER, OWNERS OF EXISTING LAWN SPRINKLER SYSTEMS AND/OR LANDSCAPING SHALL BE NOTIFIED (IN WRITING WITH A COPY SENT TO THE ENGINEER) BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF ANY WORK TO BE DONE THAT WILL AFFECT THOSE SYSTEMS AND/OR LANDSCAPING. IF THE PROPERTY OWNER FAILS TO RELOCATE THE LAWN SPRINKLER SYSTEM PRIOR TO THE CONTRACTOR BEGINNING WORK, AND IF THE CONTRACTOR CUTS THE SYSTEM DURING CONSTRUCTION, THE CONTRACTOR SHALL CAP THE SYSTEM PIPE AND WITNESS THE LOCATION OF THE CAP WITH A WOODEN STAKE FOR THE PROPERTY OWNERS USE. THE CONTRACTOR SHALL PLACE THE SALVAGED SPRINKLER HEADS ON THE PROPERTY OWNERS PROPERTY. IF THE PROPERTY OWNER FAILS TO RELOCATE THE LANDSCAPING PRIOR TO THE CONTRACTOR BEGINNING WORK, THE CONTRACTOR SHALL CAREFULLY SALVAGE THE LANDSCAPING ITEMS AND STOCKPILE THEM ON THE PROPERTY OWNERS PROPERTY FOR THE PROPERTY OWNER. ANY OTHER MODIFICATION TO THE LAWN SPRINKLER SYSTEMS AND/OR LANDSCAPING, IS THE RESPONSIBILITY OF THE OWNER AND IS NOT PART OF THIS CONTRACT. THIS WORK AND ALL REQUIRED COMMUNICATION AND COORDINATION WITH THE OWNER IS INCLUDED IN THE STATION GRADING PAY ITEM.

EARTHWORK & GRADING

THE CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIAL AT A SITE OUTSIDE OF THE PROJECT LIMITS, OR AS APPROVED BY THE ENGINEER. NO SEPARATE PAYMENT WILL BE MADE FOR LOADING, HAULING, OR DISPOSING OF THE EXCAVATED UNSUITABLE MATERIALS, BUT SHALL BE INCLUDED IN THE COST OF STATION GRADING.

ALL NATURAL SOIL LEFT IN PLACE, IN CUT SECTIONS, SHALL BE COMPACTED TO NOT LESS THAN 95 PERCENT OF MODIFIED PROCTOR TO A MINIMUM DEPTH OF 12 INCHES.

THROUGHOUT THE PROJECT, NO UNDERCUTS OR TRENCHES WILL BE LEFT OPEN AND UNBACKFILLED DURING EACH NIGHT OR NON-WORKING HOURS.

SAWING FOR PAVEMENT REMOVAL SHALL BE INCLUDED IN THE ITEM OF PAVEMENT AND SIDEWALK REMOVAL.

ALL SLOPES SHALL BE FINISHED AS CLASS A SLOPES. BACKFILL BEHIND ALL PROPOSED CURB WITH SOUND EARTH FILL AS SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER IS INCLUDED IN THE PLAN QUANTITY FOR STATION GRADING.

HOURS OF OPERATION

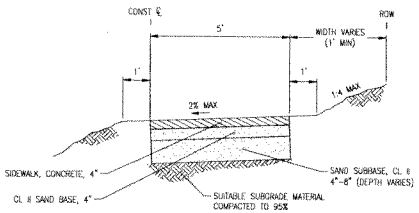
WORK MAY BE PERFORMED DURING THE HOURS OF 7:00 AM TO 7:00 PM, MONDAY THROUGH SATURDAY ONLY. WORK AT OTHER TIMES MAY BE PERFORMED ONLY BY WRITTEN PERMISSION OF THE OWNER.

ADA COMPLIANCE

ALL SIDEWALK AND SIDEWALK RAMPS SHALL BE CONSTRUCTED IN FULL COMPLIANCE WITH THE MOST CURRENT AMERICANS WITH DISABILITIES ACT (ADA) GUIDELINES FOR ACCESSIBILITY.

MISCELLANEOUS QUANTITIES THIS SHEET

TOTAL	UNIT	DESCRIPTION
1	Ea	Mobilization, Max 10%
1	LS	Traffic Control
100	Ft	Irrigation Line
10	Ea	Remove and Reset Irrigation Head
1	LS	Turf Establishment
1	LS	Digital Video Recorded Survey



TYPICAL CONCRETE SIDEWALK CROSS-SECTION

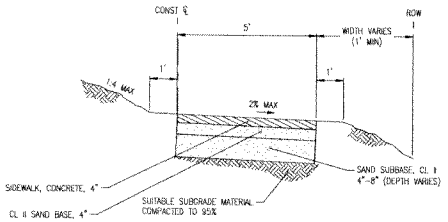
NTS

APPLIES: STA 100+00 TO STA 100+44

STA 0+00 TO STA 2+29
STA 2+29 TO STA 2+44 TRANS 2% RUNOUT

STA 2+87 TO STA 3+95
STA 3+95 TO STA 4+10 TRANS 2% RUNOUT

STA 8+85 TO STA 9+03



TYPICAL CONCRETE SIDEWALK CROSS-SECTION

NTS

APPLIES: STA 100+75 TO STA 100+95

STA 2+44 TO STA 2+72
STA 2+72 TO STA 2+87 TRANS 2% RUNOUT

STA 4+10 TO STA 8+83

NOTES:
SIDEWALK CONCRETE THICKNESS SHALL BE INCREASED TO 6" IN DRIVEWAY CROSSINGS AND RAMPS.
SUBBASE DEPTH VARIES, SEE LETTER OF GEOTECHNICAL INVESTIGATION BY G2 CONSULTING GROUP, DATED 7/1/2015, FOUND IN THE REQUEST FOR PROPOSAL APPENDIX.

OHM
ARCHITECTS ENGINEERS PLANNERS
34000 Plymouth Road
Livonia, MI 48150
P (734) 522-6711 | F (734) 522-6427
OHM-ADVISORS.COM

REVISIONS:
1 REVISED PER RCOC COMMENTS ON 09/03/15

DATE: 09/04/15
PROJECT MGR: MDB/SAH/SM
DESIGNED: SAH
DRAWN BY: KMH/RB
CHKD BY: MDB/SAH/SM
SCALE: N. NTS / V. AS S
COUNTY: WASHTENAW
CITY/VILLAGE/TOWNSHIP: NORTHFIELD
CASE: WASHTENAW
JOB NO: 0157-15-0002
PROJECT NO: 0157-15-0002
DATE: 07/31/15

COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
GENERAL NOTES

SHEET 2 OF 9

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DRAWING PATH: P:\0157\0157-15-0002\Drawings\Civil\Misc-1500x1500\Gen-Eng.dwg, Aug 12, 2015 - 10:53am

WATER & SEWER UTILITY SYMBOLS

EXISTING

- STORM MANHOLE
- SQUARE CATCH BASIN
- ROUND CATCH BASIN
- CULVERT
- CULVERT W/O END SECTION
- CULVERT W/END SECTION
- SANITARY MANHOLE
- CLEAN OUT
- GATE VALVE & WELL
- GATE VALVE & BOX
- WATER STOP BOX
- FIRE HYDRANT
- METER PIT
- WATER METER
- SPRINKLER HEAD
- IRRIGATION VALVE

PROPOSED

- STORM MANHOLE
- INLET/CATCH BASIN
- CULVERT END SECTION
- SANITARY MANHOLE
- GATE VALVE & WELL
- GATE VALVE & BOX
- TAPPING SLEEVE VALVE & WELL
- TAPPING SLEEVE VALVE & BOX
- FIRE HYDRANT

REAL ESTATE SYMBOLS

- CONTIGUOUS PROPERTY SYMBOL
- XXXX PARCEL NUMBER BOX
- ROW NO ROW IMPACTS

MISCELLANEOUS UTILITY SYMBOLS

EXISTING

- GUY WIRE
- GUY POLE
- UTILITY POLE
- UTILITY POLE W/LIGHT
- LIGHT/DECOR LAMP POLE
- FLOOD LIGHT
- GAS VALVE
- GAS VENT
- GAS METER
- GAS RISER
- TRAFFIC SIGNAL
- PEDESTRIAN RISER
- TRANSFORMER PAD
- PRIVATE UTILITY MANHOLE
- RAILROAD CROSSING
- ELECTRIC METER
- PHONE BOOTH
- TRAFFIC SIGNAL CONTROLLER
- HAND HOLE
- ELECTRIC RISER
- TELEPHONE RISER
- CABLE TV RISER
- MONITORING WELL
- UNDERGROUND MARKER

MISCELLANEOUS SYMBOLS

EXISTING

- RIPRAP
- SIGN
- FLOW DIRECTION
- STUMP
- WETLAND
- CONIFEROUS TREE (CL 1 1" TO 5", CL 2 6" TO 17", CL 3 18" TO 35", CL 4 36" AND UP)
- DECIDUOUS TREE (CL 1 1" TO 5", CL 2 6" TO 17", CL 3 18" TO 35", CL 4 36" AND UP)
- CONIFEROUS SHRUB
- DECIDUOUS SHRUB
- SOIL BORING
- SECTION CORNER
- MONUMENT
- IRON ROD/PIPE
- PK NAIL
- BENCHMARK
- TRAVERSE POINT
- MAIL/NEWSPAPER BOX
- FLAG POLE
- POST
- HAZARDOUS OR FLAMMABLE MATERIAL — USED WITH UNDERGROUND GAS & ELECTRICAL LINES
- CAUTION – CRITICAL UNDERGROUND UTILITY — USED WITH TELEPHONE & FIBER OPTIC LINES

PROPOSED

- RIPRAP
- SIGN
- FLOW DIRECTION
- STRUCTURE NUMBER WM SAN STM
- ADA SIDEWALK RAMP

UTILITY PATTERN

EXISTING

- ELEC — ELECTRICAL *
- 8" (COMPANY) GAS — GAS\OIL
- (COMPANY) CABLE/TEL — CABLE/TELEPHONE *
- FIBER OPTIC — FIBER OPTIC *
- 12" WM — WATER
- 12" SAN — SANITARY
- 12" STM — STORM

PROPOSED

- 12" — STORM/SANITARY/WATER
- 12" — PRIMARY UTILITY WILL HAVE A CONTINUOUS LINESTYLE, WITH THE SECONDARY UTILITY MATCHING ITS RESPECTIVE EXISTING UTILITY LINESTYLE

*OH = OVERHEAD , UG = UNDERGROUND

ROW PATTERN

EXISTING

- ROW — ROW
- SECTION
- PROPERTY/PARCEL

PROPOSED

- ROW — ROW

TOPO PATTERN

EXISTING

- HEDGE/TREE
- FENCE
- GUARDRAIL
- CENTERLINE OF DITCH
- RAILROAD
- WETLAND/EDGE OF WATER

PROPOSED

- GRADING LIMIT (SLOPE STAKE)
- CENTERLINE OF DITCH
- GUARDRAIL
- FENCE

REMOVAL LEGEND

- SIDEWALK REMOVAL
- HMA SURFACE REMOVAL
- PAVEMENT REMOVAL
- COLD MILLING HMA SURFACE
- HMA BASE CRUSHING AND SHAPING
- EXCAVATION, EARTH, MODIFIED
- CURB AND GUTTER, REM
- TREE, REM
- S-XXXXXX — SALVAGE
- B-XXXXXX — BULKHEAD
- A-XXXXXX — ABANDON
- R-XXXXXX — REMOVE
- ADJ-XXXXXX — ADJUST
- REL-XXXXXX — RELOCATE
- REC-XXXXXX — RECONSTRUCT
- R B/O-XXXXXX — REMOVE BY OTHERS
- ADJ B/O-XXXXXX — ADJUST BY OTHERS
- REL B/O-XXXXXX — RELOCATE BY OTHERS

IF NECESSARY FOR CLARITY

- (S) SALVAGE
- (B) BULKHEAD
- (A) ABANDON
- (C) CLEARING
- (R) REMOVE
- (REL) RELOCATE
- (REC) RECONSTRUCT
- (REL B/O) RELOCATE BY OTHERS
- (ADJ B/O) ADJUST BY OTHERS

SPECIAL LEGEND

- (L) LANDING
- (R) RAMP

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DATE	PROJ NUMBER	PREL MAP	CADD	COUNTY	SCALE	APPROVED DATE	SUBMITTED DATE
8/30/16	0041-0400	JR	SM	WASHTENAW	NOT APPLICABLE	AUGUST 2017	AUGUST 2016

COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
LEGEND

SHEET 3 OF 9

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DRAWING PATH: P:\2016_01\0160150001_Main St_CDBG_Sidewalk\Drawings\Civil\Main (1552)(2017-04-12).dwg, Aug 12, 2016 - 10:53am

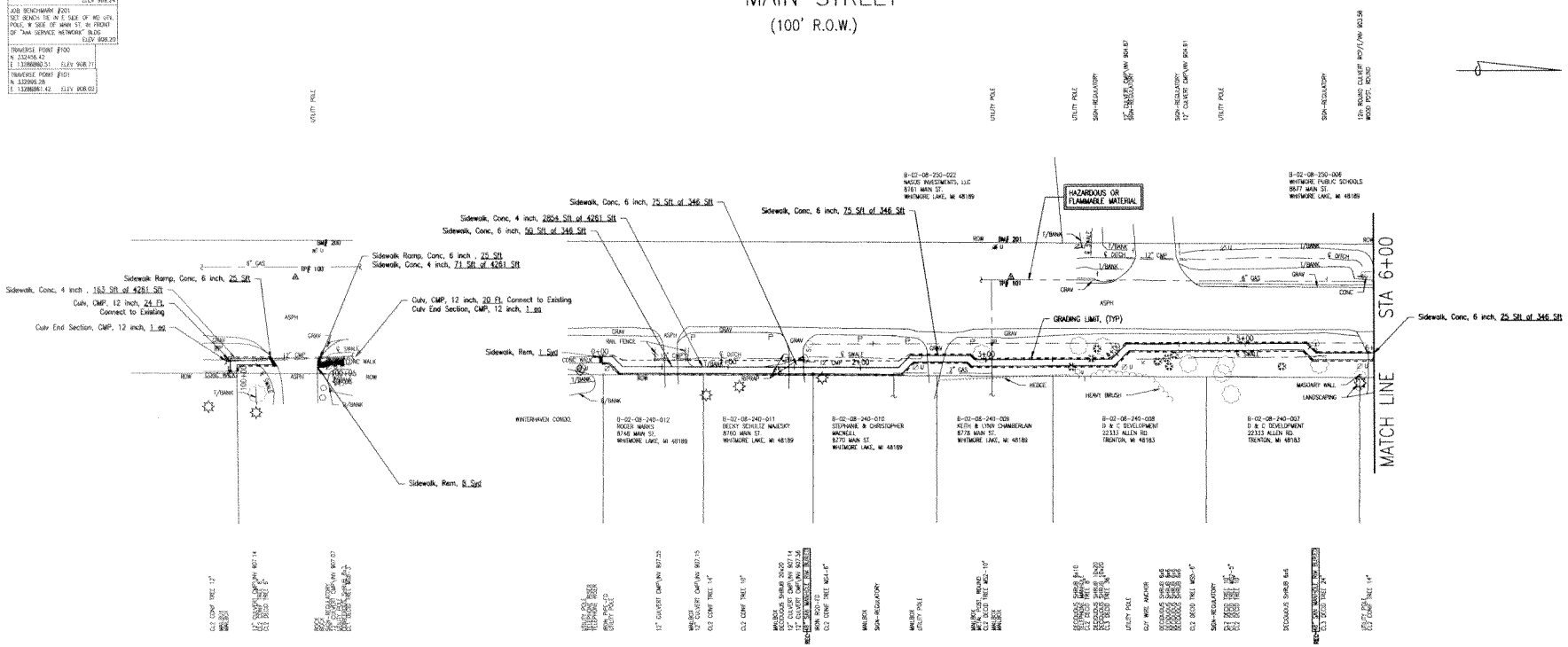
JOB BENCHMARK #100
SET BENCH TIE IN THE ℄ SIDE OF MS UTILITY POLE, W SIDE OF MAIN ST 103 POLE N OF "CAR QUEST" AUTO PARTS
ELEV 908.24

JOB BENCHMARK #201
SET BENCH TIE IN E SIDE OF MS UTIL POLE, W SIDE OF MAIN ST. IN FRONT OF "AAA SERVICE NETWORK" BLDG
ELEV 908.20

TRAVERSE POINT #100
N 332456.42
E 1326882.51 ELEV 908.71

TRAVERSE POINT #101
N 332895.28
E 1326886.42 ELEV 908.02

MAIN STREET
(100' R.O.W.)



EXISTING STRUCTURE ADJUST / RECONSTRUCT SCHEDULE					
STA	OFFSET	STRUCTURE TYPE	CASTING ELEVATION		ADJUST OR RECONSTRUCT
			EXISTING	PROPOSED	
1+59	18' L	SAN — MH	BURIED	908.47	RECONSTRUCT
5+49	5' L	SAN — MH	BURIED	907.27	RECONSTRUCT

QUANTITIES THIS SHEET

TOTAL	UNIT	DESCRIPTION
6.7	Sta	Station Grading
6	Syd	Pavt, Rem
9	Syd	Sidewalk, Rem
27	Ft	Culv, CMP, 12 inch
2	Ea	Culv End Sect, CMP, 12 inch
2	Ea	Reconstruct Sanitary Structure
109	Ton	Sand Subbase, CL II
3061	Sft	Sidewalk, Conc, 4 inch
50	Sft	Sidewalk Ramp, Conc, 6 inch
225	Sft	Sidewalk, Conc, 6 inch

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REVISIONS	DATE	DESCRIPTION

COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
CONSTRUCTION PLAN

DATE	PROJ NUMBER	ENG	PROJ MGR	CADD	COUNTY	CITY/VILLAGE/TWP	SCALE	HORIZONTAL	VERTICAL
8/30/21	0161-19-0002	JT	JL	BM	WASHTENAW	WHITMORE LAKE TWP	AS SHOWN	NAD83/2011	NAVD88

SHEET 4 OF 9

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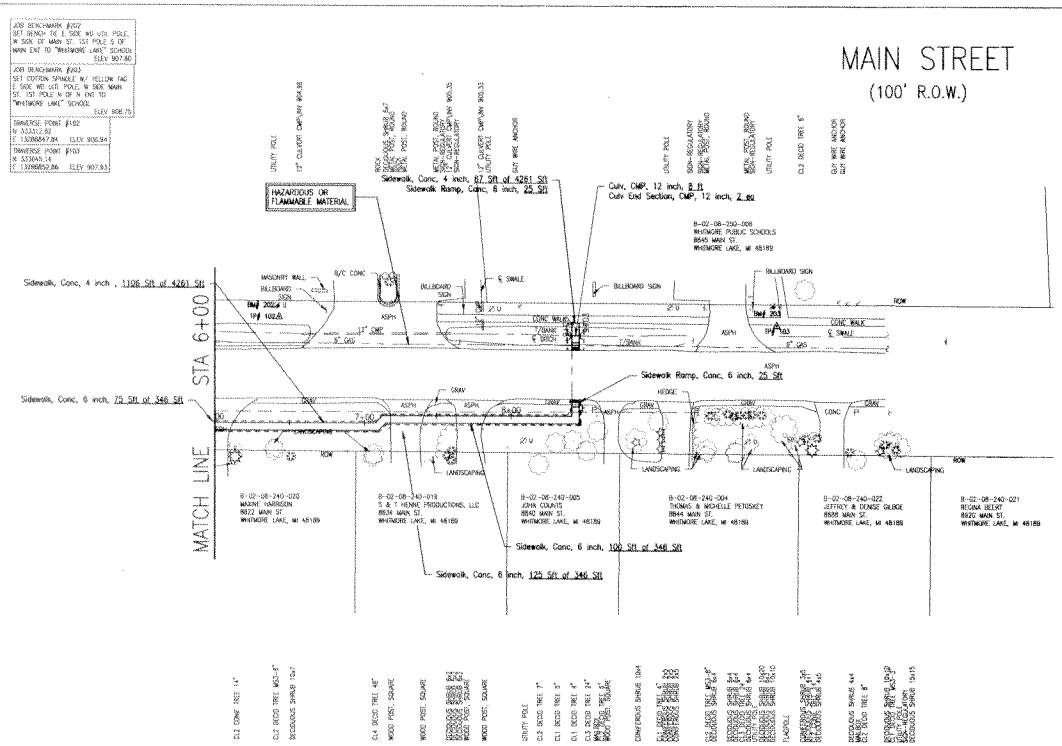

JOB BENCHMARK #102
SET BENCH TIE E SIDE MB UTIL POLE, W SIDE OF MAIN ST, 1ST POLE S OF MAIN ENT TO "WHITMORE LAKE" SCHOOL
ELEV 907.80

JOB BENCHMARK #103
SET COTTON SPINDLE W/ YELLOW TAG E SIDE MB UTIL POLE, W SIDE MAIN ST, 1ST POLE N OF N ENT TO "WHITMORE LAKE" SCHOOL
ELEV 908.75

TRAVERSE POINT #102
N 1533122.82
E 1328684.84 ELEV 908.94

TRAVERSE POINT #103
N 1536415.14
E 1328652.86 ELEV 907.83

QUANTITIES THIS SHEET

TOTAL	UNIT	DESCRIPTION
2.7	Sta	Station Grading
18	Syd	Pavt, Rem
8	Ft	Culv, CMP, 12 inch
2	Ea	Culv End Sect, CMP, 12 inch
47	Ton	Sand Subbase, CL II
1071	Sft	Sidewalk, Conc, 4 inch
80	Sft	Sidewalk Ramp, Conc, 6 inch
300	Sft	Sidewalk, Conc, 6 inch

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COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK

CONSTRUCTION PLAN

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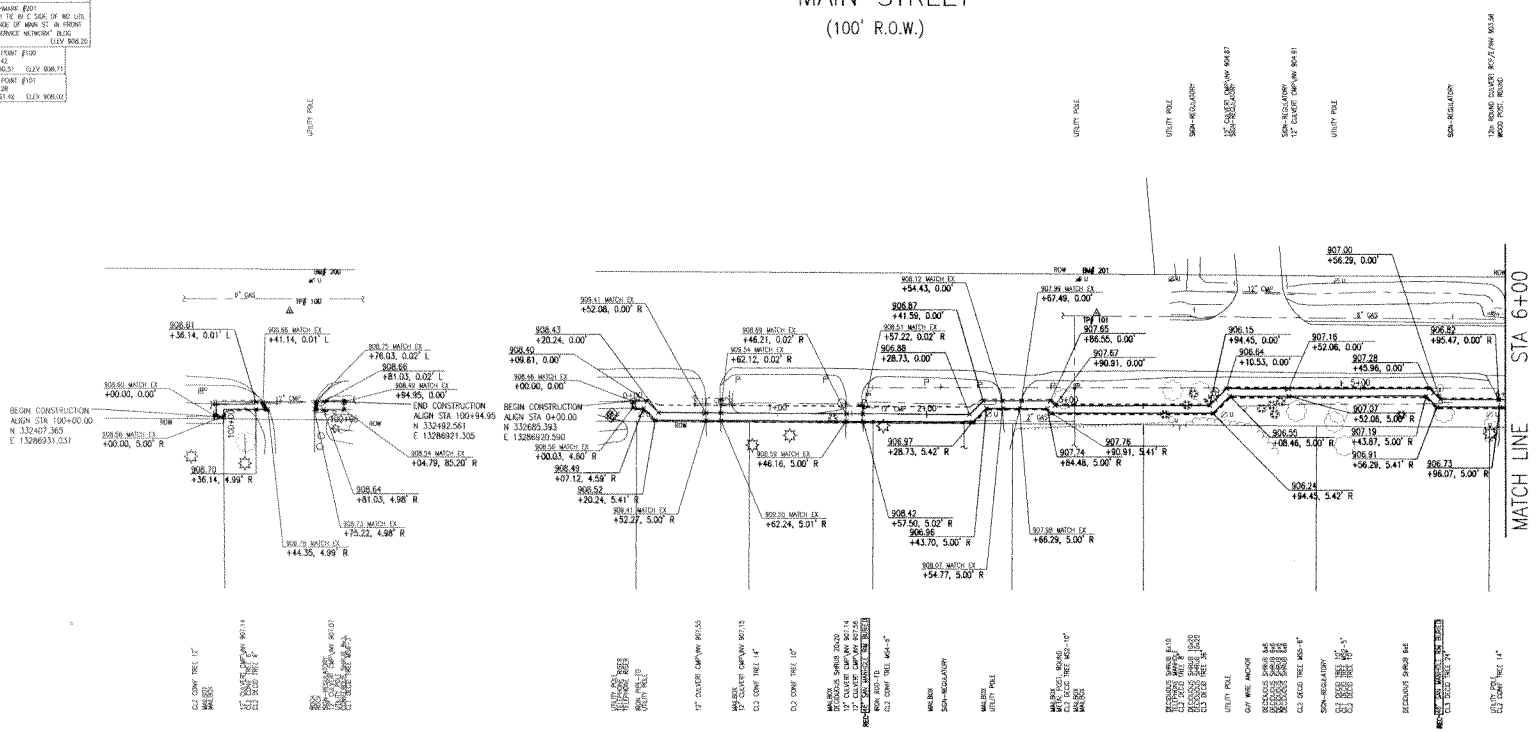
MAIN STREET
(100' R.O.W.)



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DATE	RECEIVED	DWG	PROJ MGR	CADD	CHK'D BY	DETAILED BY	APPROVED BY	SCALE	H:	V:	HORIZONTAL DATUM	VERTICAL DATUM	RECORD OF
8/4/15	PROJECT NO.	JA	JA	JM	JA						NAD83(2011)	NAVD 88	

COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
GRADING PLAN

SHEET 6 OF 8

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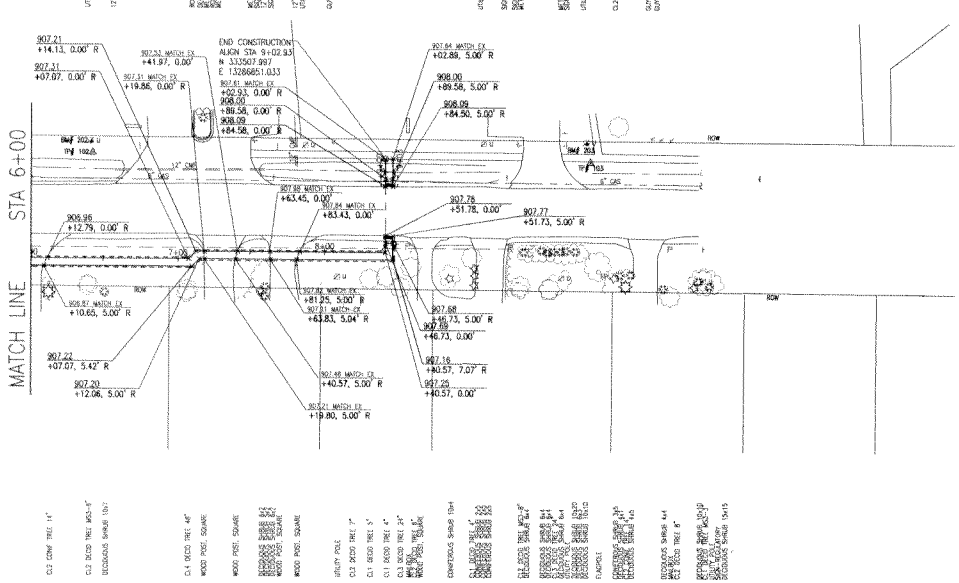
JOB BENCHMARK #202
SET BENCH TIE E SIDE WD UTIL POLE, W SIDE OF MAIN ST. 1ST POLE S OF MAIN ENT TO "WHITMORE LAKE" SCHOOL
ELEV 907.60

JOB BENCHMARK #203
SET COTTON SPINDLE W/ YELLOW TAG E SIDE WD UTIL POLE, W SIDE MAIN ST. 1ST POLE N OF W ENT TO "WHITMORE LAKE" SCHOOL
ELEV 908.75

TRAVERSE POINT #102
N 333312.82
E 1328684.84 ELEV 908.94

TRAVERSE POINT #103
N 333640.14
E 1328885.06 ELEV 907.93

MAIN STREET
(100' R.O.W.)



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NO.	DESCRIPTION	DATE

COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
GRADING PLAN

SHEET 7 OF 9

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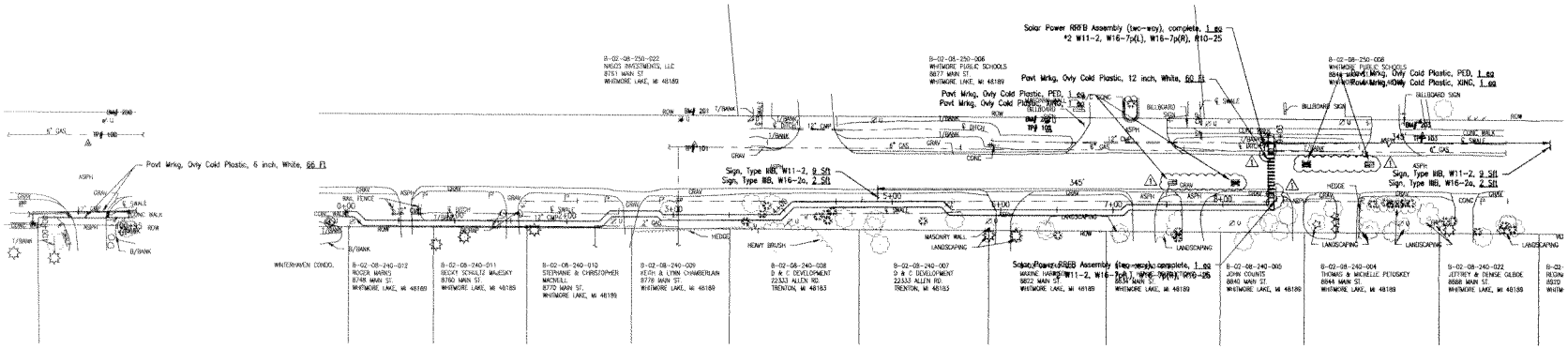
JOB BENCHMARK #202
SET BENCH TIE E SIDE WD UTIL POLE W SIDE OF MAIN ST, 153' POLE S OF MAIN ENT TO "WHITMORE LAKE" SCHOOL
ELEV 907.80

JOB BENCHMARK #203
SET COTTON SPINDLE W/ YELLOW TAG E SIDE WD UTIL POLE W SIDE MAIN ST, 157' POLE N OF N ENT TO "WHITMORE LAKE" SCHOOL
ELEV 906.75

TRAVERSE POINT #102
N 353312.83
E 1328884.84 ELEV 906.84

TRAVERSE POINT #103
N 353145.14
E 1328852.86 ELEV 907.83

MAIN STREET
(100' R.O.W.)



* Included in Pay Item
Solar Power RRFB Assembly (two-way), complete

SIGNING PLAN				
SIGN TYPE	DESCRIPTION	SIZE (SFT)	QUANTITY	TOTAL SFT
R10-25	PUSHBUTTON	0.75	2	1.5
W11-2	PEDESTRIAN WARNING	9	6	54
W16-2a	345 FT PLAQUE	2	2	4
W16-7p(R)	DIAGONAL ARROW PLAQUE	4.5	2	9
W16-7p(L)	DIAGONAL ARROW PLAQUE	4.5	2	9

QUANTITIES THIS SHEET

TOTAL	UNIT	DESCRIPTION
18	Ft	Post, Steel, 3 lb
22	SR	Sign, Type IIIB
2	Ea	Solar Power RRFB Assembly (Two-Way) Complete
66	Ft	Pavt Mrkg, Ovly Cold Plastic, 6 inch, White
60	Ft	Pavt Mrkg, Ovly Cold Plastic, 12 inch, White
2	Ea	Pavt Mrkg, Ovly Cold Plastic, Ped
2	Ea	Pavt Mrkg, Ovly Cold Plastic,Ing

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REVISIONS
REVISED PER RCOC COMMENTS ON 08/03/16

COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
PAVEMENT MARKINGS

SHEET 8 OF 8

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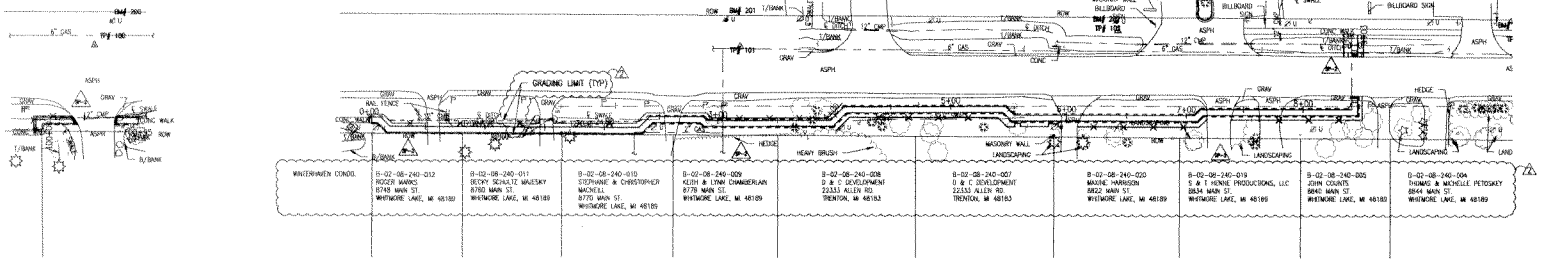
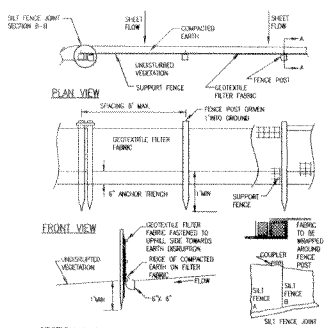
JOB BENCHMARK @202
SILT BENCH 5ft E SIDE, NO UTIL POLE, NW SIDE OF MAIN ST. 1ST POLE S OF MAIN ENT TO "WHITMORE LAKE" SCHOOL ELEV 907.80
JOB BENCHMARK @203
SET COTTON SPINDLE W/ YELLOW TAG E SIDE NO UTIL POLE, N SIDE MAIN ST. 1ST POLE N OF N ENT TO "WHITMORE LAKE" SCHOOL ELEV 908.75
TRAVERSE POINT @102
N 333317.82
E 1209647.79 ELEV 908.94
TRAVERSE POINT @103
N 333643.14
E 1209652.88 ELEV 907.93

MAIN STREET
(100' R.O.W.)





SILT FENCE (SP-2)
N.T.S.

QUANTITIES THIS SHEET

TOTAL	UNIT	DESCRIPTION
929	Ft	Erosion Control, Silt Fence

CONSTRUCTION SEQUENCE

1. REMOVE TREES AND BRUSH.
2. INSTALL SOIL EROSION CONTROL MEASURES.
3. REMOVE EXISTING PAVEMENT.
4. ROUGH GRADE AREA.
5. INSTALL PROPOSED SIDEWALK.
6. FINAL GRADING.
7. STABILIZE GROUND W/ VEGETATION AS NEEDED WITHIN FIVE DAYS OF COMPLETION OF FINAL GRADING.

NOTES

CONTRACTOR SHALL COMPLY WITH REQUIREMENTS OF THE SOIL EROSION AND SEDIMENTATION CONTROL ACT OF THE STATE OF MICHIGAN, PART 91 OF ACT 451, OF THE PUBLIC ACTS OF 1994, WASHTENAW COUNTY WATER RESOURCES COMMISSIONER.

1. THE CONTRACTOR SHALL CONDUCT OPERATIONS IN A MANNER THAT WILL REDUCE ACCELERATED EROSION TO THE PRACTICAL MINIMUM AND PREVENT DAMAGING SILTATION TO EXISTING SEWERS AND WATER COURSES LEAVING FROM THE WORK SITE.
2. THE CONTRACTOR SHALL CONDUCT WORK IN SUCH A MANNER AS TO PREVENT THE ENTRY OF FUELS, OILS, BITUMINOUS MATERIALS, CHEMICALS, SEWERAGE OR OTHER HARMFUL MATERIALS INTO NEARBY LAKES AND STREAMS.
3. WASTE DISPOSAL AREAS SHALL BE SELECTED BY THE CONTRACTOR WITH FULL CONSIDERATION OF EROSION AND SEDIMENT CONTROL. SELECTION OF DISPOSAL SITE, AND CONTROL OF OPERATIONS, AND THE RESTORATION OF SAID AREAS SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
4. EXCAVATION FROM THE RIGHT-OF-WAY, CHANNELS, OR OTHER MATERIAL SHALL NOT BE DEPOSITED IN OR NEAR RIVERS, STREAMS OR PONDS WHERE IT MAY ENTER THE WATERWAY.
5. AT THE COMPLETION OF EACH DAYS CONSTRUCTION, CARE SHALL BE TAKEN TO ENSURE THAT MINIMAL EROSION WILL OCCUR IN TRENCHES AND TO STOCKPILED MATERIALS UNTIL RESUMPTION OF WORK.
6. CONTRACTOR SHALL CONFINE OPERATIONS TO THE MINIMUM AMOUNT OF WORKING SPACE PRACTICAL TO MINIMIZE SOIL EROSION.
7. THE PROJECT WILL BE CONTINUALLY INSPECTED BY THE ENGINEER FOR EROSION CONTROL COMPLIANCE. DEFICIENCIES WILL BE CORRECTED BY THE CONTRACTOR IMMEDIATELY UPON NOTICE OF SUCH DEFICIENCIES. FAILURE TO CORRECT THE DEFICIENCIES MAY RESULT IN THE ISSUANCE OF A STOP WORK ORDER AND THERE WILL BE NO CONTRACT TIME EXTENSION FOR THIS ISSUED STOPPAGE.
8. TEMPORARY SOIL EROSION CONTROL MEASURES CONSISTING OF SILT FENCE, MULCHING, AND INLET FILTER TRAPS SHALL BE IMPLEMENTED THROUGHOUT THE ENTIRE CONSTRUCTION PHASE OF THE PROJECT, AND SHALL BE REMOVED BY THE CONTRACTOR AFTER THE PERMANENT SOIL EROSION MEASURES HAVE BEEN COMPLETED.
9. MULCH BLANKET OR HIGH VELOCITY MULCH BLANKET WITH NETTING TIE DOWN OR OTHER APPROVED MULCH SYSTEM SHALL BE PLACED ON DISTURBED SLOPES WHERE DIRECTED BY THE ENGINEER WHEN THE WORK IS PERFORMED DURING THE PERIOD FROM OCTOBER 1ST THROUGH APRIL 15TH. ALL SLOPES GREATER THAN 1V:6H (16%) SHALL BE STABILIZED WITH MULCH BLANKET.
10. PERMANENT SOIL EROSION MEASURES CONSISTING OF THM MIXTURE SEED AND MULCH BLANKET SHALL BE COMPLETED WITHIN 15 CALENDAR DAYS OF FINAL GRADING. IN THE EVENT IT IS NOT POSSIBLE TO PERMANENTLY STABILIZE THE AREA DUE TO SEASONAL LIMITATIONS, THE TEMPORARY MEASURES SHALL REMAIN IN FORCE AND SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL SUCH TIME AS IT IS PRACTICAL TO COMPLETE THE PERMANENT CONTROL MEASURES. MAINTENANCE OF PERMANENT SOIL EROSION CONTROL MEASURES WITHIN THE PUBLIC ROAD R.O.W. ARE THE RESPONSIBILITY OF THE MUNICIPAL ROAD AGENCY HAVING JURISDICTION.
11. THE ENGINEER SHALL HAVE FULL AUTHORITY TO TEMPORARILY SUSPEND WORK IN THE EVENT THAT ANY OF THE ABOVE REQUIREMENTS ARE NOT BEING MET BY THE CONTRACTOR, OR IF CONDITIONS INDICATE THAT ADDITIONAL TEMPORARY CONTROL MEASURES ARE WARRANTED.
12. THE CONTRACTOR SHALL CLEAN OUT SEDIMENT TRAPS, INLET FILTERS, AND CHECK DAMS ON A BI-WEEKLY BASIS OR AS REQUIRED AFTER RAIN EVENTS.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STREET SWEEPING AND DUST CONTROL.
14. GRADING LIMITS ARE ANTICIPATED TO EXTEND APPROXIMATELY 1 FOOT TO 4 FEET FROM THE EDGE OF THE PROPOSED SIDEWALK ON EITHER SIDE, VARYING IN TOTAL WIDTH FROM 7-10 FEET.
15. GENERAL SOIL CLASSIFICATION WITHIN THE PROJECT LIMITS IS BOYER LOAMY SAND (BnB), 1 TO 6 PERCENT SLOPES. SOILS BORINGS WERE CONDUCTED AND A FULL GEOTECHNICAL REPORT CAN BE FOUND IN THE APPENDIX TO THE WASHTENAW COUNTY OCED REQUEST FOR PROPOSALS #8881. IN GENERAL, THE SUBSURFACE PROFILE CONSIST OF 12-18 INCHES OF TOPSOIL, ON 12-36 INCHES OF SILTY SAND, AND ON 24-36 INCHES OF SILTY OR SANDY CLAY. SOIL BORINGS WERE TERMINATED AT 5 FEET DEPTH.

LEGEND

- MDOT SOIL EROSION SPEC.
- INLET FILTER
- GEOTEXTILE SILT FENCE

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REVISED PER MDWRC COMMENTS ON 09/2016

COUNTY OF WASHTENAW
MAIN STREET CDBG SIDEWALK
SOIL EROSION AND SEDIMENTATION CONTROL

DATE	PROJ MGR	DES	PREPARED	CHKD	CONT	SHEET
8/30/16	BRIAN HARRIS	JPL	R. SCHMIDT	JPL	0814-16-0402	9

OF 8

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O:\DRAWINGS\...\Plot By: JPLEROSION SHEET.dwg

RESTORATION

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19. Guardrail 8
20. Tree & Shrub Planting 8
21. Mailboxes 8
22. Traffic Signs & Posts 8
23. Permanent Pavement Striping 8
24. Drainage Structures, Culverts, & Ditches .8
25. Progress of Final Restoration 8

GENERAL

1. SCOPE OF WORK

This work shall be subject to conditions of the General Conditions, General Specifications and include the furnishing of labor, materials, tools, accessories, equipment and services necessary for restoration of the surfaces shown on the Contract drawings and/or as herein required.

This work shall include replacement of all permanent type roadway surfaces, concrete sidewalks, curb and gutters, driveways, trees, culverts, fences, ditches, and miscellaneous items damaged or removed due to construction. Disposal of excess or unsuitable materials shall be considered as part of the restoration work. All such work shall be in accordance with the best modern practice, the OWNER's standards, and as specified herein.

Prior to performing work under this section, the CONTRACTOR shall submit to the ENGINEER for approval his construction methods and design mixes, sieve analysis and/or certification of compliance with the 2012 Michigan Department of Transportation (MDOT) Standard Specifications for Construction except where otherwise noted. No permanent surface restoration shall be performed until all underground work has been approved.

In the event that these specifications conflict with those of the OWNER or the controlling agency, the more stringent requirements shall govern.

2. SHOP DRAWINGS

When required by the ENGINEER, shop drawings shall be furnished as prescribed under the General Conditions.

Before the CONTRACTOR orders any restoration materials that he is proposing to use as substitutes for specified items, he shall submit details of the substitutes to the ENGINEER for consideration and approval.

3. MDOT STANDARDS

References to the Michigan Department of Transportation (MDOT) Specifications shall pertain to the 2012 Standard Specifications for Construction.

MATERIALS

4. AGGREGATE

a. Gravel Approaches and Roads

Natural aggregate shall be used for gravel appproach (driveways) and road restoration and shall meet the requirements of MDOT 21AA or 22A as shown in Table 902-1 of the MDOT Standard Specifications for Construction.

b. Shoulders

Natural aggregate shall be used for shoulders and shall meet the requirements of MDOT 21AA, 22A, or 23A as shown in Table 902-1 of the MDOT Standard Specifications for Construction.

c. Base Course

Natural aggregate shall be used for base course construction and shall meet the requirements of MDOT 21A, 21AA, or 22A as shown in Tables 902-1 and 902-2 of the MDOT Standard Specifications for Construction.

5. HOT MIX ASPHALT SURFACE, LEVELING, & BASE COURSES

Hot mix asphalt materials used for pavement construction shall meet the requirements of section 501.02 of the MDOT Standard Specifications for Construction or the requirements of the controlling agency as called for on the construction plans.

6. CONCRETE PAVEMENT, SIDEWALKS, CURB & GUTTER

Concrete used for pavement, sidewalk, and curb and gutter construction shall meet the requirements of MDOT grade P1 concrete or the requirements of the controlling agency as called for on the construction plans. MDOT grade P-NC may also be used where circumstances require the use of a high-early strength concrete. Refer to Table 601-2 of the MDOT Standard Specifications for Construction.

7. TOPSOIL

Topsoil shall be screened and shall consist of loose black-colored soil that is suitable for the growth of grass seed or sod. The topsoil shall be obtained from the upper layer of an existing fertile soil and be free of limbs, twigs, rocks, stones, muck, roots and debris, etc. and containing organic matter rich in nutrients with negligible clay content.

Topsoil shall meet the following requirements:

a. The pH range shall be from 6.0 to 7.5. Topsoil outside of this range shall be amended by the addition of pH adjusters as approved by the Engineer.

b. The organic matter content shall range between 2% and 6% (by dry sample weight).

c. The soil texture shall be a sandy loam, silt loam, or loam where the sand, silt, and clay contents (by dry sample weight) fall within the following ranges:

Sand.....40% to 65%
Silt.....25% to 60%
Clay.....5% to 15%

d. The gradation shall be as follows:

Sieve Designation	% Passing
1 inch screen	100
0.25 inch screen	97 - 100
No. 10 U.S.S. mesh sieve	95 - 100
No. 140 U.S.S. mesh sieve	15 - 35

e. The soil salinity as measured by the electrical conductivity of a saturated soil

sample shall not exceed 2dS/m (decisiemens/meter).

f. Topsoil samples may be taken from stockpiles by the ENGINEER for submission to a testing laboratory. Topsoil that does not meet the required specifications shall be removed from the project site by the CONTRACTOR and shall be replaced with suitable topsoil that meets the testing requirements.

8. SEED & FERTILIZER

Seed and fertilizer shall meet the following requirements:

Table R-1

Location	Seeding* Requirement	Fertilizer Requirement
Maintained Lawn Areas	MDOT Type THM Mix (20% Perennial Rye, 30% Kentucky Blue, 50% Red Fescue) applied at 220 lbs./acre	MDOT Class A, 228 lbs./acre
Fields, Slopes & Ditch Banks, Etc.	MDOT Type THV Mix (30% Perennial Rye, 15% Kentucky Blue, 45% Red Fescue, 10% Fults Salt) applied at 220 lbs./acre	MDOT Class B, 120 lbs./acre

* percent mixture proportions by weight

All grass seeding shall meet the requirements for purity and germination as called for in the MDOT Standard Specifications for Construction Table 917-1 for Seed Mixtures. Seed shall be delivered in durable containers which show the manufacturer's name, lot number, weight, contents, purity, and germination. Although Table R-1 lists only two typical seeding mixtures, other seeding mixtures shown in MDOT Tables 816-1 and 917-1 may be used where approved by the Engineer.

9. MULCH & MULCH BLANKETS

Mulch and mulch blankets shall meet the following requirements:

a. Loose Mulch. Mulching material shall consist of any straw or marsh hay in an air-dry condition. Hay in an air-dried condition will be permitted only when straw mulch or marsh hay is unavailable. Mulch materials shall be undamaged, rot free, clean, substantially free of weed seed and other objectionable foreign matter.

b. Mulch Blankets (for moderate runoff condition). Mulch Blankets shall be one of the following or an approved equal:

S1 Erosion Control Blanket – BonTerra America

Contech ERO-MAT - Contech Construction Products

Erosion Control Blanket DS-75 – North American Green

c. High Velocity Mulch Blankets (for medium to heavy runoff condition). High velocity mulch blankets shall be one of the following or an approved equal:

S2 Erosion Control Blanket – BonTerra America

Contech High Velocity ERO-MAT – Contech Construction Products

ECS High Impact Excelsior Blanket – Erosion Control Systems, Inc.

ECS Hich Velocity Straw Mat – Erosion Control Systems, Inc.

Erosion Control Blanket DS-150 – North American Green

10. SOD

Sod shall meet the requirements of Section 917.13 of MDOT Standard Specifications for Construction. The Contractor shall keep the sod watered until a vigorous growth is established.

Sod must be an upland mineral soil sod. Sod must be grown on loam soils. Sod grown on peat is not acceptable for use.

11. FENCING

Chain link and woven wire fence materials shall meet the requirements of Section 907 of MDOT Standard Specifications for Construction. Chain link fabric shall be as called for on the construction drawings (aluminum-coated, zinc-coated, or vinyl-coated). Fences made of other materials (wood board, split rail, iron, etc.) shall be replaced in kind or as called for on the construction drawings. In this case, fence materials and construction methods shall meet the applicable standards of ASTM.

12. TREES & SHRUBS

Trees and shrubs shall be quality, nursery-grown stock with adequate root growth (balled and burlapped). Nursery stock shall meet the standards of the current edition of the American Standard for Nursery Stock as published by the American Association of Nurserymen, as well as the standards of Section 917 of the MDOT Standard Specifications for Construction.

13. TIMBER POSTS

Timber used for fence, guide, guard and mailbox posts shall meet the requirements of Section 912.08 of the MDOT Standard Specifications for Construction.

14. TRAFFIC SIGNS & POSTS

Traffic and street signs that are removed or damaged shall be replaced in kind. The materials used for such sign and post replacements shall meet the applicable standards of Section 919 of the MDOT Standard Specifications for Construction.

15. PAVEMENT STRIPING

Pavement striping materials shall meet the requirements shown in Section 920 of the MDOT Standard Specifications for Construction.

CONSTRUCTION

16. PAVEMENT RESTORATION

The aggregate and pavement thicknesses shown in the following sections are intended to be a guideline for minimum thicknesses. Thicker sections may be required depending upon the requirements of the OWNER or the controlling agency. All pavements shall be restored to the elevation and section that existed prior to construction.

a. Gravel Shoulders and Approaches

Gravel shoulders and approaches shall be constructed as described in Section 307.03 of the MDOT Standard Specifications for Construction.

Gravel shoulder restoration shall consist of placement and compaction of MDOT 21AA limestone or MDOT 22A gravel on a suitable subgrade to form a minimum six (6) inch thick section. The 21AA limestone or 22A gravel shall be compacted to a minimum density of ninety-eight (98) percent of the maximum unit weight. The restored shoulder width shall match the existing width.

Restoration of gravel approaches shall consist of placement and compaction of MDOT 21AA limestone or MDOT 22A gravel on a suitable subgrade as called for

on the plans to form a minimum six (6) inch thick section. The 21AA limestone or 22A gravel shall be compacted to a minimum density of ninety-eight (98) percent unit of the maximum unit weight. The restored approach width shall match the existing width.

b. Gravel Roads

Restoration of gravel roads shall consist of placement and compaction of MDOT 21AA limestone, MDOT 22A gravel, or MDOT 23A gravel as called for in the plan details to form a minimum eight (8) inch thick section. The restored road width shall match the existing road width. Gravel roads shall be constructed as described in Section 306.03 of the MDOT Standard Specifications for Construction.

c. Aggregate Base Courses

Aggregate base courses shall be placed and compacted to the thickness and width as called for on the plan details and as described in Section 302.03 of the MDOT Standard Specifications for Construction. Unless otherwise indicated in the Suppplemental Specifications, aggregate base courses shall be compacted to a minimum density of ninety-eight (98) percent of the maximum unit weight.

d. Sawcutting

All pavement, curb and gutter, and sidewalk removals shall be accomplished by sawcutting with a power-driven concrete saw. Sawcutting shall be full depth for all pavements (concrete, bituminous, concrete with bituminous overlay).

In bituminous pavement, sawcut lines shall be parallel with or perpendicular to the direction of vehicle travel.

In concrete pavement, sawcut lines shall be cut parallel with pavement joints. Sawcuts shall not be nearer than five (5) feet to a transverse joint, to the center of pavement, or to the edge of pavement such that no existing or replacement pavement section shall be less than five (5) feet in width. If the proposed sawcut is nearer than five (5) feet to a joint or centerline of a pavement, then removal and replacement shall be extended to said joint or centerline.

If an integral concrete curb is to be removed, then the minimum removal width shall be eighteen (18) inches.

e. Hot Mix Asphalt (HMA) Pavement

Hot mix asphalt pavements shall be constructed in accordance with the plan details and Section 501 of the MDOT Standard Specifications for Construction. Where new asphalt pavement is to adjoin existing asphalt pavement, a two (2) foot wide butt joint shall be constructed. A bond coat shall be applied to the existing pavement surface. Unless otherwise called for in the plan details, the following sections shall apply as a minimum:

Bike paths:	3" HMA over 4" 21AA aggregate base (with soil sterilant application)
Residential driveways:	3" HMA over 6" 21AA aggregate base
Commercial driveways:	4" HMA over 8"21AA aggregate base; or 8" asphalt
Residential streets:	4" HMA over 8" 21AA aggregate base; or 8" asphalt
Collector road:	9" HMA over 6" 21AA aggregate base

The laboratory density of HMA pavement shall be determined by the Marshall Procedure ASTM D-1559 using 50 blows on each of the specimens as the compactive effort. One set of three (3) specimens shall be made on the first day of placement and on subsequent days as determined by the Engineer.

The measurement of field-compacted density shall be done with a nuclear gage. The percent of compaction obtained shall be determined by dividing the field-compacted density by the laboratory density and multiplying the result by 100. Unless otherwise indicated in the plan details or Supplemental Specifications, all HMA pavements shall be compacted to a minimum calculated density of 97%.

Density tests shall be taken on the completed pavement at a frequency of one test every 500 linear feet of paving lane, except for the last unit which will be 500 linear feet, plus any fractional unit less than 250 feet in length, or will be a fractional unit of 250 feet or more in length. Miscellaneous areas such as intersections, crossovers and widening lanes less that 250 feet long will be tested as directed by the Engineer.

f. Concrete Pavement

Concrete pavements shall be constructed in accordance with the plan details as well as Sections 602 and 801 of the MDOT Standard Specifications for Construction. Where new concrete pavement is to be anchored to old pavement, dowel bars and lane ties shall be installed in accordance with MDOT Standard Plans. Joints shall be installed in the new concrete pavement to match existing joint types and locations. Reinforcing steel shall be similar to that in the existing pavement and shall provide the same cross sectional area of reinforcement per foot as the existing pavement. Unless otherwise called for in the plan details, the following sections shall apply as a minimum:

Residential driveways:	6" non-reinforced concrete over 4" sand base
Commercial driveways:	8" non-reinforced concrete over 4" sand base
Residential streets:	8" non-reinforced concrete over 6" sand base
Collector road:	9" non-reinforced concrete over 6" sand base

g. Concrete Sidewalk and Ramps

Concrete sidewalks and ramps shall be constructed in accordance with the plan details and Section 803 of the MDOT Standard Specifications for Construction. Unless otherwise called for in the plan details, the following sections shall apply as a minimum:

Sidewalks:	4" concrete over 4" sand base
Sidewalks (at residential drive crossing):	6" concrete over 4" sand base
Sidewalks (at commercial drive crossing):	8" concrete over 4" sand base
Sidewalk ramps:	4" concrete over 4" sand base

h. Concrete Curb and Gutter

Concrete curb and gutter shall be constructed in accordance with plan details and Section 802 of the MDOT Standard Specifications for Construction.

17. TURF ESTABLISHMENT

The CONTRACTOR shall furnish and place topsoil, seed, or sod, and fertilizer for all areas that were disturbed during construction. Seed and sod shall be installed in accordance with the seasonal limitations that are described in section 816.03 of the MDOT Standard Specificiations for Construction unless directed otherwise by the Engineer.

a. Topsoil

Unless otherwise called for on the plans, a minimum of three (3) inches of topsoil shall be placed for areas that are to be restored with seeding or sodding. Topsoil shall be placed on a prepared earth bed in accordance with Section 816.03A of the MDOT Standard Specifications for Construction.

The existing earth bed shall be graded such that the placement of topsoil and sod will meet the final plan grades.

b. Seed

Seeding shall be sown in accordance with Section 816.03C of the MDOT Standard Specifications for Construction. The application rate for the seeding shall be as shown in the table in part 8 of the Materials Section.

c. Mulch and Mulch Blankets

Mulch and mulch blankets shall be placed over seeded areas as called for in Section 816.03E through H of the MDOT Standard Specifications for Construction. If mulch blankets must be secured to a slope, then biodegradable netting and biodegradable earth staples shall be used.

Mulch anchoring shall be considered as incidental to mulch placement unless a pay item for mulch anchoring has been included in the Bid Form.

d. Sod

Sod shall be placed in accordance with Section 816.03D of the MDOT Standard Specifications for Construction.

A sod cutter shall be used to establish a smooth vertical edge when new sod is to abut existing sod.

e. Fertilizer

Fertilizer shall be placed in accordance with Section 816.03B of the MDOT Standard Specifications for Construction. The application rate for the fertilizer shall be as shown in table in Part 8 of the Materials Section.

f. Watering and Maintenance

It is the responsibility of the CONTRACTOR to regularly water new seed and sod in order to establish a dense lawn of permanent grasses that is free from mounds and depressions. Any portion of a sodded area that "browns-out" or does not firmly knit to the soil base, or any portion of a seeded area that fails to show a uniform germination, shall be resodded or reseeded. Such resodding or reseeding shall be at the CONTRACTOR's expense and shall continue until a dense lawn in established.

Watering seed and sod shall be considered as incidental to the turf establishment work unless a pay item for water has been included in the Bid Form.

18. FENCING

Prior to the start of any fence restoration work, the CONTRACTOR shall verify that the line and grade are correct.

a. Removing and Replacing Existing Fences

Fences shall be removed and replaced or shall be removed as indicated on the Plans or as directed by the ENGINEER. If any of the existing material is damaged or destroyed, the CONTRACTOR shall replace the material at his expense. Replacement fence material shall be of a condition comparable to that which existed prior to construction.

After the fence removal or relocation operations are complete, all surplus material shall be removed and disposed of by the CONTRACTOR at his expense unless otherwise called for on the Contract Documents.

Any holes or voids resulting from the fence post removal operation shall be backfilled

with a suitable material, as approved by the ENGINEER.

b. Placing New Fence

Woven wire and chain link fencing shall be installed in accordance with Sections 808.03A and D of the MDOT Standard Specifications for Construction. If called for on the plans, a top rail shall be used in place of tension wire for the chain link fence construction. Other fence types (timber, boulders, decorative rock, etc.) shall be constructed in accordance with plan details.

19. GUARDRAIL

Guardrail shall be placed in accordance with Section 807 of the MDOT Standard Specifications for Construction. Guardrail design shall be approved by the ENGINEER and shall conform to the current applicable standards of the agency that has jurisdiction of the right-of-way.

Any holes or voids resulting from the guardrail post removal operation shall be backfilled with a suitable material, approved by the ENGINEER.

20. TREE & SHRUB PLANTING

Trees and shrubs shall be planted in accordance with Section 815 of the MDOT Standard Specifications for Construction. Nursery stock shall conform to the standards shown in the American Standard for Nursery Stock (ANSI Z60.1-1996).

Watering and cultivating trees and shrubs during the establishment period shall be considered as incidental to the tree and shrub planting work unless a pay item for watering and cultivating has been included in the Bid Form.

21. MAILBOXES

Where mailbox post replacement is called for on the plans, new mailbox posts shall be furnished and installed in accordance with Section 807 of the MDOT Standard Specifications for Construction and the plan details.

22. TRAFFIC SIGNS & POSTS

Placement of traffic signs and posts shall be done in accordance with the applicable Sections in 810 of the MDOT Standard Specification for Construction, the current edition of the Michigan Manual of Uniform Traffic Control Devices, and the plan details.

23. PERMANENT PAVEMENT STRIPING

Permanent pavement striping shall be placed in accordance with the plan details and Section 811 of the MDOT Standard Specifications for Construction.

24. DRAINAGE STRUCTURES, CULVERTS, & DITCHES

As part of restoration, the CONTRACTOR shall be responsible for cleaning out all drainage structures, culverts, and ditches that are located within the area of construction. All ditches shall be restored such that drainage will flow freely. The cost of this work shall be considered as incidental to the project.

25. PROGRESS OF FINAL RESTORATION

If in the judgement of the OWNER, adequate site restoration efforts are not being expended, including but not limited to, roadway, driveway and drainage maintenance, removal of surplus materials, restoration of all signs, mail boxes and like items, then the OWNER will take the necessary steps to perform such restoration and shall charge the CONTRACTOR for all of the costs until proper order is restored.

End of Section

Howard Fink

From: Benjamin Engelhard [engelhardb@ewashtenaw.org]
Sent: Friday, August 12, 2016 2:40 PM
To: 'Jacob Rushlow'; Katie Lee; 'sean@gmandsons.com'; 'voghtn@ewashtenaw.com'
Cc: Howard Fink
Subject: RE: Northfield Township Sidewalk

Thanks Jacob,

I'm just responding to confirm we got your email on Katie's behalf as she's out of the office. We will look for the revised set and documents outlined below and will be in touch.

Thank you.

Benn

Benjamin Engelhard
Soil Erosion Control Officer
Washtenaw County Water Resources Commissioner
705 N. Zeeb Road
Ann Arbor, MI 48107-8645
Main (734) 222-6860
Direct (734) 222-6815
Fax (734) 222-6803

How did we do?
Please take a moment to complete an online evaluation
https://www.surveymonkey.com/r/WCWRCsurvey

Visit us online or follow the Water Resources Commissioner's Office on Facebook.
Flooding or drainage concerns? Report your problem online.

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Friday, August 12, 2016 1:18 PM
To: Katie Lee; 'sean@gmandsons.com'; 'voghtn@ewashtenaw.com'
Cc: Benjamin Engelhard; Howard Fink
Subject: RE: Northfield Township Sidewalk

Katie,

Thank you for your assistance with this SESC permit application. At this time we have addressed your review comments and will be submitting two revised hard copy plans to your office. We also offer the following responses/clarifications to your comments below:

1. R.O.W agreement for the sidewalk to be installed from the Washtenaw County Road Commission – We understand that Northfield Twp and the WCRC are working on the details of this agreement.
2. Signed permit application, signed by the landowner (Northfield township, who is the WCRC permit issued to?) If a designated agent signed the application, we will need an approval letter from the landowner for the designated agent to pull the permit on their behalf. – WCOCED is the contract holder with GM & Sons doing the construction. We understand that the permit application will be signed by Nathan Voght.

3. A performance guarantee in the amount of $2,000.00 in the form of cash, check or an irrevocable bank letter of credit. – We understand the GM & sons has communicated with the WCOCED regarding the performance guarantee and has requested a letter from them stating that the contract requires 10% retainage as a guarantee until all work is completed. Please advise if this is acceptable to the WCWRC.
4. Revised site plans with the following information.
    a. Name, Address and telephone number of the landowner or designated agent – This has been added to the cover sheet.
    b. Site location map showing the site and all adjacent properties and proximity to all surface water within 500 feet at a scale not more than 1" = 200' (WashCo) – This has been created as a separate document and is attached. A hard copy will be provided with the revised plan sets.
    c. Soil survey or written description of the soil types of all exposed land area contemplated for earth change – A note was added to sheet 9 regarding the soil types and subsurface conditions from our geotechnical investigation. A copy of the geotech report is attached and a hard copy will be provided with the revised plan sets.
    d. Contour/drainage information(WashCo) – contours were added to the site location map.
    e. A description and location of the physical limits of the proposed earth change, mark and label on the plan. – proposed grading limits line and callout has been added to the plan on sheet 9.
    f. Timing sequence for the project – The construction sequence can be found on sheet 9.
    g. Silt fence is the only SESC measures proposed on site, correct? Add streets will be swept as needed. Yes, silt fence is the only SESC measure. A note exists on sheet 9 regarding street sweeping.
    h. Indicate the description (how) and location (where) of how the site will be stabilized. – the project site is relatively flat so site stabilization is simply covered under a lump sum pay item for turf establishment and identified on sheet 2. A copy of the method of payment and restoration spec is attached for your information and a hard copy will be provided with the plan sets.
    i. Add a program proposal, indicate who by name, will be responsible for the continued maintenance of all permanent soil erosion control measures after project completion. – clarification has been added on sheet 9 under note 10 regarding maintenance of permanent soil erosion control measures.

Thank you again for your assistance with this permit application. Please let me know if you have any questions regarding the material submitted.

JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

T 734.522.6711
F 734.522.6427
D 734.466.4517
C 734.812.7154

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From: Katie Lee [mailto:leek@ewashtenaw.org]
Sent: Thursday, August 11, 2016 11:47 AM
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com>; 'sean@gmandsons.com' <sean@gmandsons.com>; 'voghtn@ewashtenaw.com' <voghtn@ewashtenaw.com>

Cc: Benjamin Engelhard <engelhardb@ewashtenaw.org>
Subject: Northfield Township Sidewalk

Good morning,

After reviewing the information submitted for the Northfield Township sidewalk project, the following information is needed for permit issuance;

1. R.O.W agreement for the sidewalk to be installed from the Washtenaw County Road Commission
2. Signed permit application, signed by the landowner (Northfield township, who is the WCRC permit issued to?) If a designated agent signed the application, we will need an approval letter from the landowner for the designated agent to pull the permit on their behalf.
3. A performance guarantee in the amount of $2,000.00 in the form of cash, check or an irrevocable bank letter of credit.
4. Revised site plans with the following information.
    a. Name, Address and telephone number of the landowner or designated agent
    b. Site location map showing the site and all adjacent properties and proximity to all surface water within 500 feet at a scale not more than 1" = 200' (WashCo)
    c. Soil survey or written description of the soil types of all exposed land area contemplated for earth change
    d. Contour/drainage information(WashCo)
    e. A description and location of the physical limits of the proposed earth change, mark and label on the plan.
    f. Timing sequence for the project
    g. Silt fence is the only SESC measures proposed on site, correct? Add streets will be swept as needed.
    h. Indicate the description (how) and location (where) of how the site will be stabilized.
    i. Add a program proposal, indicate who by name, will be responsible for the continued maintenance of all permanent soil erosion control measures after project completion.

Two sets of revised plan are needed for permit issuance. No further work should occur on site until a Part 91 permit has been issued.

If you have any questions you can contact myself or Benn Engelhard with our office for assistance.

Thank you,
Katie

Katie Lee | **Soil Erosion Supervisor**
Washtenaw County Water Resources Commissioner's Office
705 N. Zeeb Rd., P.O. Box 8645, Ann Arbor, MI 48107-8645
Direct Line (734) 222-3978
Office (734) 222-6860
Fax (734) 222-6803

How did we do?
Please take a moment to complete an online evaluation
https://www.surveymonkey.com/r/WCWRCsurvey

Visit us online or follow the Water Resources Commissioner's Office on Facebook.
Flooding or drainage concerns? Report your problem online.

Howard Fink

From: Nathan Voght [voghtn@ewashtenaw.org]
Sent: Tuesday, August 23, 2016 9:04 AM
To: 'Streight, Gary'
Cc: 'Jacob Rushlow'; 'Sean Morrissey'; Howard Fink
Subject: RE: Main Street Sidewalk Plans
Attachments: 10% Retainage ltr to WCRC North Twp Sidewalk 8-23-16.pdf

Gary,

Here you are...

Nathan Voght, AICP
Brownfield Redevelopment Coordinator
ReImagine Washtenaw Project Manager

Washtenaw County Office of Community & Economic Development
415 W. Michigan Avenue, Suite 2200
Ypsilanti, Michigan 48197
http://www.ewashtenaw.org/

734-544-3055 (direct office)
734-660-1061 (cell)

-----Original Message-----
From: Streight, Gary [mailto:streightg@wcroads.org]
Sent: Monday, August 22, 2016 1:40 PM
To: Nathan Voght
Subject: RE: Main Street Sidewalk Plans

This letter would work with the Washtenaw County Road Commission listed rather than the WCWRC.

Gary Streight
Project Manager
Washtenaw County Road Commission
(734) 761-1500 Main
(734) 327-6692 Desk
(734) 761-3737 Fax
streightg@wcroads.org

-----Original Message-----
From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Monday, August 22, 2016 11:55 AM
To: Streight, Gary
Subject: RE: Main Street Sidewalk Plans

Gary,

Will this suffice?

Nathan Voght, AICP
Brownfield Redevelopment Coordinator
ReImagine Washtenaw Project Manager

Washtenaw County Office of Community & Economic Development
415 W. Michigan Avenue, Suite 2200
Ypsilanti, Michigan 48197
http://www.ewashtenaw.org/

734-544-3055 (direct office)
734-660-1061 (cell)

-----Original Message-----
From: Streight, Gary [mailto:streightg@wcroads.org]
Sent: Monday, August 22, 2016 10:59 AM
To: Nathan Voght
Subject: RE: Main Street Sidewalk Plans

Nathan,

I will also need a letter of retainage from the County stating final payment will be withheld until the WCRC issues final acceptance of the permit. I have attached a sample from Scio Township you can use as an template.

Gary Streight
Project Manager
Washtenaw County Road Commission
(734) 761-1500 Main
(734) 327-6692 Desk
(734) 761-3737 Fax
streightg@wcroads.org

-----Original Message-----
From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Monday, August 22, 2016 10:52 AM
To: Streight, Gary
Subject: RE: Main Street Sidewalk Plans

Gary,

Sean Morrissey has my authorization to sign any necessary permits on my behalf for the Northfield Twp. sidewalk project.

Thx,

Nathan Voght
Washtenaw County OCED
7346601061

Sent from my Verizon, Samsung Galaxy smartphone

-------- Original message --------
From: "Streight, Gary" <streightg@wcroads.org>
Date: 8/16/16 2:10 PM (GMT-05:00)
To: Jacob Rushlow <jacob.rushlow@ohm-advisors.com>
Cc: Nathan Voght <voghtn@ewashtenaw.org>
Subject: RE: Main Street Sidewalk Plans

Jacob,

The shop drawings for the RRFB equipment have been approved.

Gary Streight
Project Manager
Washtenaw County Road Commission
(734) 761-1500 Main
(734) 327-6692 Desk
(734) 761-3737 Fax
streightg@wcroads.org

From: Jacob Rushlow [mailto:jacob.rushlow@ohm-advisors.com]
Sent: Tuesday, August 16, 2016 10:20 AM
To: Streight, Gary
Cc: Nathan Voght (voghtn@ewashtenaw.org)
Subject: Main Street Sidewalk Plans

Gary,

We made the one minor change to the pavement marking plan you requested. PDF is attached and hard copies are being mailed to your office today.

JACOB A. Rushlow, PE
PROJECT MANAGER

OHM Advisors | ARCHITECTS. ENGINEERS. PLANNERS.

T 734.522.6711
F 734.522.6427
D 734.466.4517
C 734.812.7154

Advancing Communities(r)

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OFFICE OF COMMUNITY & ECONOMIC DEVELOPMENT
Collaborative solutions for a promising future

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PHONE|734.544.6748 FAX|734.544.6749
WEBSITE|WWW.EWASHTENAW.ORG/OCED

Gary Streight
Project Manager
Washtenaw County Road Commission
705 N. Zeeb Road
PO Box 8645
Ann Arbor, MI 48107

August 23, 2016

Dear Mr. Streight,

Washtenaw County is managing the Northfield Township Sidewalk Infill project along Main Street. The project is funded through CDBG funds, distributed through the Urban County. GM & Sons is the contractor selected to complete the construction.

It's our understanding that the permit through your office requires a performance guarantee of some type, and that should the County retain 10% of all submitted invoices from the contractor until the project is fully complete and all conditions of all issued permits are satisfied, then that would be sufficient for performance guarantee by your office.

Please consider this letter as confirmation that our office will retain 10% of all submitted invoices by the contractor and only make full compensation upon confirmation that all conditions of any issued permits are fully satisfied.

Teresa Gillotti

Teresa Gillotti
Interim Housing and Community Infrastructure Manager
Washtenaw County Office of Community and Economic Development

Cc: File
Sean Morrisey, GM & Sons
Jacob Rushlow, OHM
Howard Fink, Northfield Township

Howard Fink

From: Nathan Voght [voghtn@ewashtenaw.org]
Sent: Wednesday, August 24, 2016 2:20 PM
To: 'Sean Morrissey'
Cc: Terry Brinkman; 'Jacob Rushlow'; Howard Fink
Subject: Updated Construction Schedule

Sean,

We need an updated schedule for when each sub-contractor will be on the project for the first time. We'll need to do our interviews for each and be there when they're on site.

Thx,

Nathan

-----Original Message-----
From: Sean Morrissey [mailto:sean@gmandsons.com]
Sent: Tuesday, August 23, 2016 9:08 AM
To: Nathan Voght
Subject: RE: Main Street Sidewalk Plans

Thanks Nathan !!

Sean Morrissey
Project Manager
GM & SONS, INC.
6784 Whitmore Lake Road
Whitmore Lake, MI 48189
734-929-1259
Fax 734-929-1265
Cell 248-798-8646
www.gmandsons.com

-----Original Message-----
From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Tuesday, August 23, 2016 9:04 AM
To: 'Streight, Gary'
Cc: 'Jacob Rushlow'; Sean Morrissey; Howard Fink
Subject: RE: Main Street Sidewalk Plans

Gary,

Here you are...

Nathan Voght, AICP
Brownfield Redevelopment Coordinator
ReImagine Washtenaw Project Manager

Washtenaw County Office of Community & Economic Development
415 W. Michigan Avenue, Suite 2200
Ypsilanti, Michigan 48197
http://www.ewashtenaw.org/

734-544-3055 (direct office)

734-660-1061 (cell)

-----Original Message-----
From: Streight, Gary [mailto:streightg@wcroads.org]
Sent: Monday, August 22, 2016 1:40 PM
To: Nathan Voght
Subject: RE: Main Street Sidewalk Plans

This letter would work with the Washtenaw County Road Commission listed rather than the WCWRC.

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From: Nathan Voght [mailto:voghtn@ewashtenaw.org]
Sent: Monday, August 22, 2016 11:55 AM
To: Streight, Gary
Subject: RE: Main Street Sidewalk Plans

Gary,

Will this suffice?

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I will also need a letter of retainage from the County stating final payment will be withheld until the WCRC issues final acceptance of the permit. I have attached a sample from Scio Township you can use as an template.

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Sent: Monday, August 22, 2016 10:52 AM
To: Streight, Gary
Subject: RE: Main Street Sidewalk Plans

Gary,

Sean Morrissey has my authorization to sign any necessary permits on my behalf for the Northfield Twp. sidewalk project.

Thx,

Nathan Voght
Washtenaw County OCED
7346601061

Sent from my Verizon, Samsung Galaxy smartphone

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From: "Streight, Gary" <streightg@wcroads.org>
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Howard Fink

From: Sean Morrissey [sean@gmandsons.com]
Sent: Wednesday, August 24, 2016 2:46 PM
To: Nathan Voght
Cc: Terry Brinkman; 'Jacob Rushlow'; Howard Fink
Subject: RE: Updated Construction Schedule

Nathan,

The only first time sub-contractor will be Tyler Companies Friday 8-26-2016 around 11:00 am. I am waiting to hear from the electrical sub and the paint stripe sub. When I hear something you will be The first to know so the interviews can take place.

Sean Morrissey
Project Manager
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