2021 PROJECT FOR:

MidMichigan Medical Center - West Branch - Wound Care Facility

2375 SOUTH M-30 WEST BRANCH, MI

CONTACTS

OWNER
MIDMICHIGAN HEALTH
JEFF WAGNER
4000 WELLNESS DRIVE
MIDLAND, MI 48670

ARCHITECT
THREE RIVERS DESIGN, INC.
KRISTIN RIDDLE - PHONE: (989) 631-9726

CONSTRUCTION MANAGER
THREE RIVERS CORPORATION
JEFF FEDAK - PHONE : (989) 205-2297

SAFETY CONTACT
THREE RIVERS CORPORATION
PAUL CRIVAC - PHONE: 989.631.9726

BUILDING CODE DATA

DESCRIPTION OF WORK
SINGLE STORY 4,128 SQUARE FOOT WOUND CARE FACILITY

CODE COMPLIANCE

BUILDING CODE:	2015 MICHIGAN BUILDING CODE (MBC)
PLUMBING CODE:	2015 MICHIGAN PLUMBING CODE (MPC)
MECHANICAL CODE:	2015 MICHIGAN MECHANICAL CODE (MMC)
ELECTRICAL CODE:	2017 MICHIGAN ELECTRICAL CODE (MEC)
ENERGY CODE:	2013 ASHRAE 90.1
FIRE CODE	2015 INTERNATIONAL FIRE CODE
ACCESSIBILITY CODE:	2009 ANSI A117.1-2003
HEALTH:	2018 FGI GUIDELINES

USE GROUP
B - BUSINESS (AMBULATORY CARE FACILITY) WITH CLASS 'B' MONOPLACE HYPERBARIC CHAMBERS

CONSTRUCTION TYPE
V - B

FIRE PROTECTION
YES

BUILDING AREA LIMITATIONS
36,000 SF

BUILDING HEIGHT LIMITATIONS
3 STORIES

OCCUPANT LOAD
42 OCCUPANTS (1 PER 100 GROSS SF)

NUMBER OF EXITS
TWO

CORRIDORS
0 HOUR RATED

ALLOWABLE TRAVEL DISTANCE
300 FEET

INTERIOR FINISHES
CLASS 'C'

PLUMBING FIXTURE REQUIREMENTS

FIXTURE TYPE	CODE DESCRIPTION	REQUIRED	PROVIDED
WATER CLOSETS	**42 OCCUPANTS / 2 = 21 MEN & 21 WOMEN** REQUIRED MEN & WOMEN - 1 PER 25 FOR THE FIRST 50 AND 1 PER 50 FOR THE REMAINDER EXCEDING 50	MEN: 1 WOMEN: 1	MEN: 0 WOMEN: 0 UNISEX: 3
URINALS	NON PROVIDED		
LAVATORIES	REQUIRED MEN & WOMEN - 1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR THE REMAINDER EXCEDING 80	MEN: 1 WOMEN: 1	MEN: 0 WOMEN: 0 UNISEX: 3
SERVICE SINK	1 REQUIRED	1 SERVICE PROVIDED	
WATER FOUNTAIN	1 PER 100 OCCUPANTS	1 DUAL HEIGHT BARRIER FREE FIXTURE PROVIDED	

THREE RIVERS CORPORATION
3069 Vantage Point Drive, P.O. Box 1467, Midland, MI 48641-1467
Phone: 989.631.9726 • Fax: 989.631.7402 • Email: info@trccompany.com • Web: www.trccompany.com

WADE TRIM
1403 S. Valley Center Drive
Bay City, MI 48707
989.686.3100
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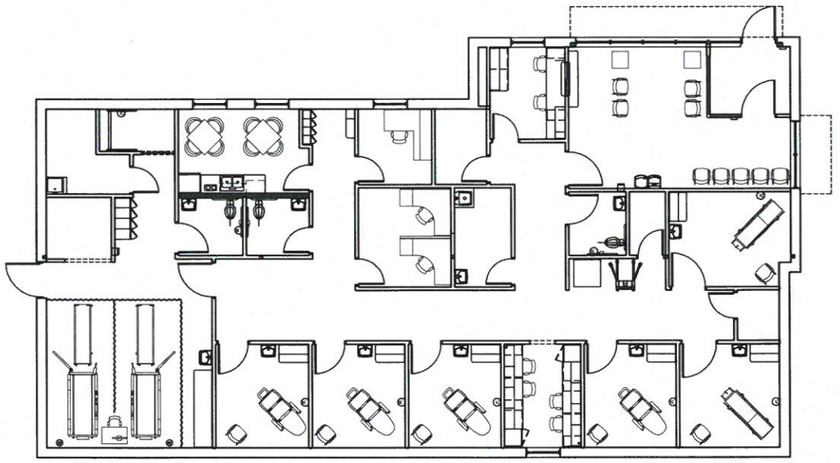
ECKERT WORDELL
161 East Michigan Ave
Suite 200
Kalamazoo, MI 49007
PHONE: (269) 373-8000
FAX: (269) 373-5641

EW JOB # 2018-XXX

MacMILLAN ASSOCIATES CONSULTING ENGINEERS
714 EAST MIDLAND STREET • BAY CITY, MICHIGAN 48706
(989) 894-4300 • FACSIMILE (989) 894-2630

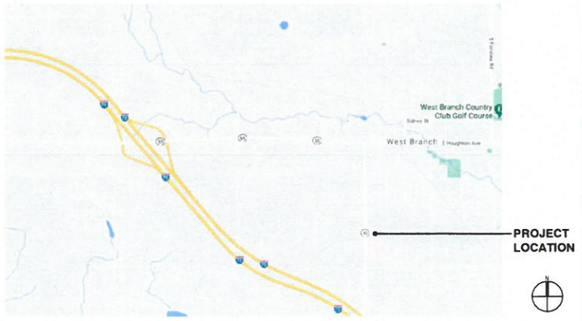
PROJECT IMAGE



INDEX OF DRAWINGS

		50% CONSTRUCTION DOCUMENT REVIEW (05-24-21)	SET PLAN APPROVAL (06-24-21)		
REVIEWS					
BID					
SAFETY					
50%					
100%					
A1.1	COVER SHEET	X			
CIVIL					
C1.0	EXISTING CONDITIONS PLAN	X	X		
C2.0	SESC PLAN	X	X		
C2.1	SESC DETAILS	X	X		
C2.2	DEMOLITION PLAN	X	X		
C3.0	SITE PLAN	X	X		
C3.1	SITE DETAILS	X	X		
C4.0	GRADING PLAN	X	X		
C4.1	GRADING DETAILS		X		
C5.0	UTILITY PLAN	X	X		
C5.1	UTILITY DETAILS	X	X		
C6.0	DRAINAGE PLAN		X		
STRUCTURAL					
S2.1	FOUNDATION PLAN	X			
S2.2	FRAMING PLAN	X			
S3.1	SCHEDULES AND NOTES	X			
S5.1	FOUNDATION DETAILS	X			
S7.1	ROOF FRAMING DETAILS				
ARCHITECTURAL					
A3.1	ROOM FINISH SCHEDULE	X			
A3.2	DOOR SCHEDULE	X			
A4.1	FLOOR PLAN	X			
A4.1A	DIMENSIONAL FLOOR PLAN	X			
A4.2	ROOF PLAN	X			
A4.3	REFLECTED CEILING PLAN	X			
A5.1	EXTERIOR ELEVATIONS	X			
A5.2	BUILDING SECTIONS				
A5.3	WALL SECTIONS				
A6.1	INTERIOR ELEVATIONS	X			
MECHANICAL					
M1.1	SHEET METAL PLAN	X			
M1.2	MECHANICAL ROOF PLAN	X			
M1.3	SHEET METAL PLAN	X			
M5.0	MECHANICAL SCHEDULES AND EQUIPMENT LIST	X			
M5.1	MECHANICAL SPECIFICATIONS	X			
PLUMBING					
P1.0	UNDERGROUND PLUMBING PLAN	X			
P1.1	PLUMBING PLAN	X			
ELECTRICAL					
E1.1	ELECTRICAL POWER PLAN	X			
E1.2	ELECTRICAL ROOF PLAN	X			
E2.1	ELECTRICAL LIGHTING PLAN	X			
E3.1	LIGHTING DETAILS AND SCHEDULES	X			
E4.1	ELECTRICAL DETAILS AND SCHEDULES	X			
E5.1	ELECTRICAL SITE PLAN	X	X		

SITE LOCATION MAP



SITE MAP

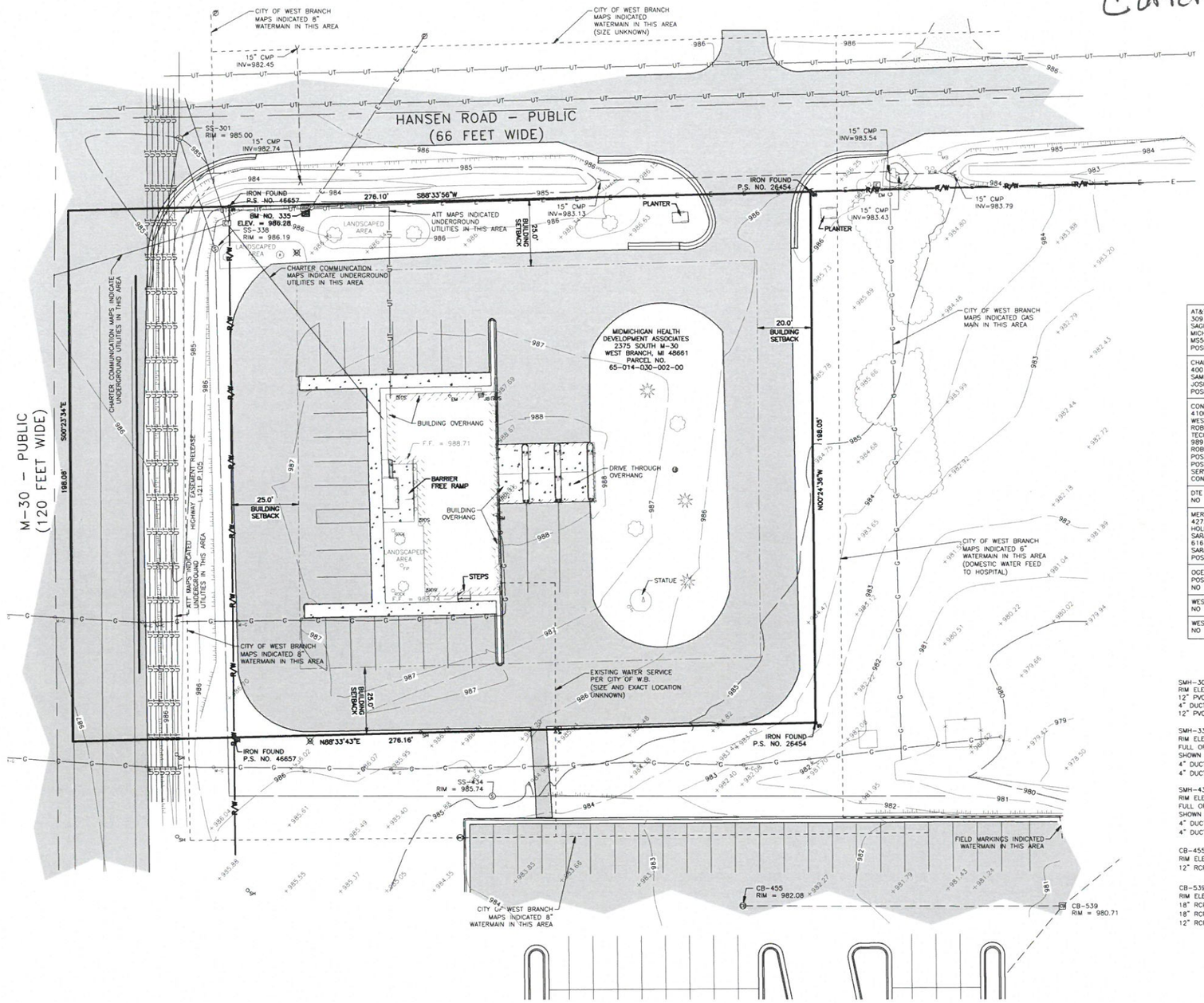
SEALS

ARCHITECTURAL | MECHANICAL | CIVIL

STRUCTURAL | ELECTRICAL | LANDSCAPE

E21-462
MMH - WEST BRANCH
WOUND CARE FACILITY

Current lot setup



AT&T 309 SOUTH WASHINGTON STREET SAGINAW, MI 48607 MICHAEL SZYMKOWIAK MS5837@ATT.COM POSITIVE RESPONSE 3/5/2021
CHARTER COMMUNICATIONS 400 ATLANTIC STREET SAMFORD, CT 06901 JOSHUA JENSENIUS POSITIVE RESPONSE 3/8/2021
CONSUMERS ENERGY 4100 WEST M-76 WEST BRANCH, MI 48661 ROBERT LOCKMAN TECHNICIAN III, LVD ENGINEERING 989-390-9929 ROBERT.LOCKMAN@CMSENERGY.COM POSITIVE RESPONSE 3/5/2021 POSSIBILITY OF UNDERGROUND SERVICES NOT SHOWN WITHIN CONSUMERS RECORDS.
DTE GAS NO RESPONSE
MERIT NETWORK 4273 58TH STREET HOLLAND, MI 49423 SARA MORLAN 616-393-0138 EXT. 119 SARAM@WESTERNTEL-COM.COM POSITIVE RESPONSE 3/3/2021
OGEMAW TOWNSHIP POSITIVE RESPONSE 3/3/2021 NO UTILITIES IN AREA
WEST BRANCH CITY NO RESPONSE
WEST BRANCH TOWNSHIP NO RESPONSE

SMH-301
RIM ELEV. = 985.00
12" PVC NORTH INVERT ELEV. = 970.58
4" DUCTILE IRON SOUTHEAST INVERT ELEV. = 970.70
12" PVC SOUTH INVERT ELEV. = 970.60

SMH-338
RIM ELEV. = 986.19
FULL OF WATER, NO VISIBLE INVERTS, INFORMATION SHOWN FROM PREVIOUS RECORDS.
4" DUCTILE IRON NORTHWEST INVERT = UNKNOWN
4" DUCTILE IRON SOUTH INVERT = UNKNOWN

SMH-434
RIM ELEV. = 985.74
FULL OF WATER, NO VISIBLE INVERTS, INFORMATION SHOWN FROM PREVIOUS RECORDS.
4" DUCTILE IRON EAST INVERT = UNKNOWN
4" DUCTILE IRON WEST INVERT = UNKNOWN

CB-455
RIM ELEV. = 982.08
12" RCP EAST INVERT = 918.38

CB-539
RIM ELEV = 980.71
18" RCP NORTHEAST INVERT = 977.31
18" RCP SOUTHWEST INVERT = 977.31
12" RCP WEST INVERT = 977.31

N

20 10 0 20 40
SCALE IN FEET

LEGEND

AIR CONDITION UNIT	AC
BENCH MARK	BM
CABLE TV PEDESTAL	CT
CATCH BASIN (ROUND GRATE)	CB
CATCH BASIN (SQUARE GRATE)	CB
CONIFEROUS TREE	
DECIDUOUS BUSH	
DECIDUOUS TREE	
DOWN SPOUT	SDS
FLAG POLE	FP
GATE VALVE & BOX	GV
IRON (FOUND)	IF
LIGHT POLE BASE	LP
MAIL BOX	MB
METAL LIGHT POLE	LP
POST (ROUND)	P
POWER POLE	PP
ROCK	ROCK
SANITARY MANHOLE	S
SIGN POST	SP
SPRINKLER HEAD	SH
SPRINKLER JUNCTION BOX	SJB
STATUE	
TELEPHONE PEDESTAL	TP
U/G MARKER CABLE	UC
U/G MARKER GAS	UG
BOUNDARY LINE	
BRUSH LINE	
BUILDING	
DOMESTIC WATER	
FENCE	
GAS	G
GUARDRAIL	
OVERHEAD ELECTRIC	E
RIGHT OF WAY	R/W
SANITARY SEWER	
STORM SEWER	
TOP OF BANK	
UNDERGROUND TELEPHONE	UT
WALL	
CONCRETE	
GRAVEL	
PAVEMENT	

AIR CONDITION UNIT

THREE RIVERS CORPORATION

WADE TRIM
1403 S. Valley Center Drive
Bay City, MI 48707
989.686.3100
www.wadetrim.com

MMH - WEST BRANCH WOUND CARE FACILITY

2375 SOUTH M-30 WEST BRANCH, MI

ISSUED
3/29/21 50% CD REVIEW
4/05/21 SITE PLAN APPROVAL
4/08/21 SITE PLAN APPROVAL

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN FEET AND DECIMALS THEREOF.
2. PROPERTY OWNED BY MIDMICHIGAN HEALTH DEVELOPMENT ASSOCIATES, PARCEL ID 65-014-030-002-00.
3. PROPERTY IS SITUATED IN TOWN 22 NORTH, RANGE 02 EAST, SECTION 30, CITY OF WEST BRANCH, OGEMAW COUNTY, MICHIGAN.
4. THIS TOPOGRAPHIC MAP IS BASED UPON A FIELD SURVEY PERFORMED BY WADE TRIM DURING FEBRUARY 15-16, 2021.
5. THE PROPERTY LINES AND RIGHT-OF-WAY LINES SHOWN ON THIS TOPOGRAPHIC SURVEY ARE INTENDED TO BE AN APPROXIMATE REPRESENTATION BASED ON EXISTING CONDITIONS. A COMPLETE PROPERTY LINE ANALYSIS HAS NOT BEEN PERFORMED AND PROPERTY CORNERS HAVE NOT BEEN SET.
6. THIS SURVEY HAS BEEN PREPARED ACCORDING TO TITLE COMMITMENT BY TRANSNATION TITLE AGENCY, NUMBER 238819WMS REV 1, EFFECTIVE DATE 04/04/2018.
7. NO WETLAND FLAGS WERE OBSERVED DURING THE COURSE OF THE SURVEY.

WINTER CONDITIONS NOTE:

THE FIELD WORK FOR THIS SURVEY WAS PERFORMED DURING A TIME THAT SNOW AND ICE COVERED THE SURVEYED AREA. DUE TO THESE CONDITIONS, SURFACE FEATURES THAT WOULD TYPICALLY BE VISIBLE MAY NOT HAVE BEEN VISIBLE AT THE TIME OF THIS SURVEY.

BENCHMARK INFO:

BENCHMARK 101
PAINTED "X" ON SOUTH EDGE OF THE TOP OF CONCRETE OF THE LIGHT POLE BASE, APPROXIMATELY 200' SOUTH OF THE SOUTHWEST PROPERTY CORNER.
ELEVATION = 989.01

BENCHMARK 335
SET MAG NAIL IN THE SOUTHEAST FACE OF POWER POLE, APPROXIMATELY 30 FEET EAST OF THE NORTHWEST PROPERTY CORNERS.
ELEVATION = 986.28

PARCEL DESCRIPTION: (PER TRANSNATION TITLE AGENCY COMMITMENT NO. 238819WMS REVISION NO.1)

A PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 30, TOWN 22 NORTH, RANGE 2 EAST, CITY OF WEST BRANCH, OGEMAW COUNTY, MICHIGAN; BEGINNING AT THE SOUTHWEST CORNER OF SAME IN THE CENTER OF HIGHWAY M-30 AND RUNNING THENCE EASTERLY ON THE SOUTH LINE THEREOF, 276 FEET; THENCE NORTHERLY PARALLEL WITH THE WEST LINE, 200 FEET; THENCE WESTERLY PARALLEL WITH THE SOUTH LINE, 276 FEET TO THE CENTER OF M-30; THENCE SOUTHERLY ALONG SAME, 200 FEET TO THE POINT OF BEGINNING.

HORIZONTAL DATUM:

NORTH AMERICAN DATUM OF 1983 (NAD83), MICHIGAN STATE PLANE COORDINATE SYSTEM, SOUTH ZONE - 2113.

VERTICAL DATUM:

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88).

UTILITY NOTE:

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. MISS DIG TICKET NO. B10600115-00B SUBMITTED ON 3/1/2021.

Know what's below. Call before you dig.

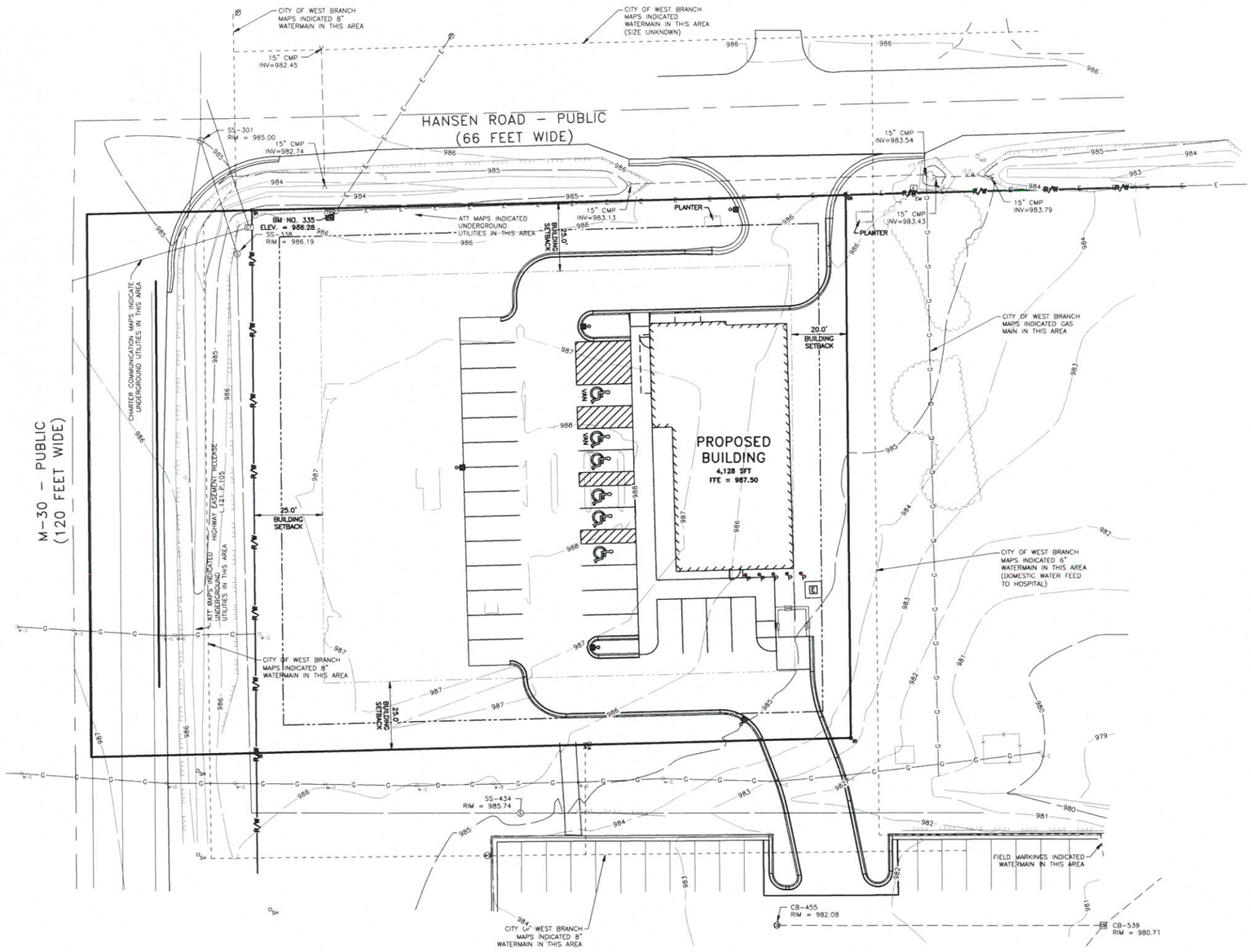
WADE TRIM PROJECT #THC2070.01F

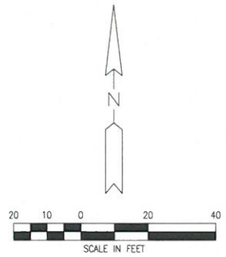
PROJECT NUMBER
E21-462

SHEET INFORMATION
DRAWN BY: B. NARTKER
CHECKED BY: K. ROYSTON
SCALE: 1" = 20'

SHEET TITLE
EXISTING CONDITIONS PLAN

SHEET NUMBER
C1.0





PROPOSED LEGEND

- TEMPORARY SILT FENCE
- MAJOR CONTOUR — 100
- MINOR CONTOUR — 101
- DRAINAGE FLOW ARROW
- FILTER BERM OR CHECK DAM
- LIMITS OF DISTURBANCE/ PROJECT LIMITS
- TEMPORARY INLET PROTECTION
- EROSION CONTROL KEY — #
- SOIL TYPE — XxX
- CONSTRUCTION ENTRANCE
- STAGING/STOCK PILE AREA

NOTE: FOR EXISTING FEATURES SEE TOPOGRAPHIC SURVEY OR EXISTING CONDITIONS PLAN.

DATA

SOIL TYPE:
22B = NESTER FINE SANDY LOAM, 2 TO 6 PERCENT SLOPES

23B = KAWKAWLIN LOAM, 0 TO 4 PERCENT SLOPES

TOTAL DISTURBED AREA = X.XX ACRES

CLOSEST BODY OF WATER:
NAME: NONE

DIST.: 385' SOUTH, POND ON MMH WEST BRANCH

THREE RIVERS CORPORATION

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2375 SOUTH M-30 WEST BRANCH, MI

ISSUED
3/29/21 50% CD REVIEW
4/05/21 SITE PLAN APPROVAL
4/08/21 SITE PLAN APPROVAL

PROJECT NUMBER
E21-462

SHEET INFORMATION
DRAWN BY: B. NARTKER
CHECKED BY: K. ROYSTON
SCALE: 1" = 20'

SHEET TITLE
SESC PLAN

SHEET NUMBER
C2.0

Know what's below. Call before you dig.

WADE TRIM PROJECT #THC2070.01F

APPLICABLE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES

(COMPREHENSIVE DETAILS ARE LOCATED IN SECTION 7 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 = MDEQ 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.	•				•		

PREPARED BY: BCS/GS SUPPORT AREA
DRAWN BY: B.A.H.
CHECKED BY: B.R.P.

ENGINEER OF CONSTRUCTION & FIELDS
ENGINEER OF MAINTENANCE
ENGINEER OF DESIGN SUPPORT UNIT — DEPARTMENT DIRECTOR Glenn J. Art
ENGINEER OF TRAFFIC AND SAFETY
ENGINEER OF DEVELOPMENT

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

SOIL EROSION & SEDIMENTATION CONTROL MEASURES

F.H.W.A. APPROVAL: 1-09-2003 — R-96-D — SHEET 1 OF 4

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 blanket.	•	•	•	•			•
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 36). 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

F.H.W.A. APPROVAL: 1-09-2003 — R-96-D — SHEET 2 OF 4

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, VINES AND GROUNDCOVER	Trees, shrubs, vines and groundcover 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 BY FILTER BAG / SEDIMENT BASIN	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 device 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 GEOTEXTILE SILT FENCE (KEY 26) it will prevent siltation from leaving the construction site.		•	•		•	•	

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

SOIL EROSION & SEDIMENTATION CONTROL MEASURES

F.H.W.A. APPROVAL: 1-09-2003 — R-96-D — SHEET 3 OF 4

KEY	DETAIL	CHARACTERISTICS	A	B	C	D	E	F	G
31	DROP INLET SEDIMENT TRAP	A Drop Inlet 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 site and protect the stream from raw erodible areas. Must be pumped dry or dewatered according to DEWATERING BY FILTER BAG / SEDIMENT BASIN (KEY 18).			•				•
35	TEMPORARY BYPASS CHANNEL	Utilized when a dry construction area is needed. Isolates and protects stream flows from raw erodible areas minimizing erosion and subsequent siltation. Can incorporate a large SEDIMENT BASIN (KEY 21) and multiple GRAVEL FILTER BERMS (KEY 13) to remove sediments from water. Consult sequence of events.			•				•
36	CONSTRUCTION DAM	Used to create a dry or slack water area for construction. Protects 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

F.H.W.A. APPROVAL: 1-09-2003 — R-96-D — SHEET 5 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 RIPRAP (KEY 7), PERMANENT/TEMPORARY SEEDING (KEY 3), 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	GEOTEXTILE 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 teatered 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 teatered 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

F.H.W.A. APPROVAL: 1-09-2003 — R-96-D — SHEET 4 OF 6

STORM WATER MANAGEMENT SYSTEM LONG-TERM MAINTENANCE SYSTEM

MAINTENANCE ACTIVITIES	STORM STRUCTURES & SEWERS	LANDSCAPE AREAS & PARKING LOT ISLANDS	BUFFER STRIP	PARKING LOT PAVEMENT	MAINTENANCE FREQUENCY
MONITORING/INSPECTION					
INSPECT FOR SEDIMENT ACCUMULATION	X			X	ANNUALLY
INSPECT FOR FLOATABLES, DEAD VEGETATION AND DEBRIS	X	X	X	X	ANNUALLY AND AFTER MAJOR EVENTS
INSPECT FOR EROSION AND INTEGRITY OF SYSTEM			X		ANNUALLY AND AFTER MAJOR EVENTS
INSPECT ALL COMPONENTS DURING WET WEATHER AND COMPARE TO AS-BUILT PLANS	X	X	X	X	ANNUALLY
MONITOR PLANTINGS/VEGETATION		X	X		2 TIMES PER YEAR
ENSURE MEANS OF ACCESS FOR MAINTENANCE REMAIN CLEAR/OPEN	X	X	X	X	ANNUALLY
PREVENTATIVE MAINTENANCE					
MOWING		X	X		AS NEEDED
REMOVE ACCUMULATED SEDIMENT	X	X	X	X	AS NEEDED
REMOVE FLOATABLES, DEAD VEGETATION AND DEBRIS	X	X	X	X	AS NEEDED
REMOVE INVASIVE PLANT SPECIES		X	X		ANNUALLY
STREET SWEEPING OF PAVED SURFACES				X	SEMI-ANNUALLY
REMEDIAL ACTIONS					
REPAIR/STABILIZE AREAS OF EROSION		X	X		AS NEEDED
REPLACE DEAD PLANTINGS, BUSHES, TREES		X	X		AS NEEDED
RE-SEED BARE AREAS		X	X		AS NEEDED
STRUCTURAL REPAIRS	X	X		X	AS NEEDED
MAKE ADJUSTMENTS/REPAIRS TO ENSURE PROPER FUNCTIONING	X	X	X	X	AS NEEDED

SOIL EROSION & SEDIMENTATION CONTROL NOTES

1. CONTRACTOR SHALL PLACE ALL SOIL EROSION & SEDIMENTATION CONTROL MEASURES AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLANS, AS SHOWN ON THIS SHEET (REFER TO THE MDOT SOIL EROSION AND SEDIMENTATION CONTROL MANUAL SECTION 7 FOR SPECIFIC DETAILS.
2. CONSTRUCTION OPERATIONS SHALL BE SCHEDULED AND PERFORMED SO THAT PREVENTATIVE EROSION CONTROL MEASURES ARE IN PLACE PRIOR TO EXCAVATION AND TEMPORARY STABILIZATION MEASURES ARE IN PLACE IMMEDIATELY FOLLOWING BACK FILLING AND/OR GRADING OPERATIONS.
3. SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.
4. THE CONTRACTOR SHALL LIMIT THE USE OF HEAVY EQUIPMENT AND OTHER CONSTRUCTION EQUIPMENT ON THE UNPROTECTED SUBGRADE.
5. CLEANUP WILL BE DONE IN A MANNER TO INSURE THAT EROSION CONTROL MEASURES ARE NOT DISTURBED.
6. THE PROJECT WILL CONTINUALLY BE INSPECTED FOR SOIL EROSION AND SEDIMENTATION CONTROL COMPLIANCE IN ACCORDANCE WITH APPLICABLE REGULATIONS AND PERMIT REQUIREMENTS. DEFICIENCIES WILL BE CORRECTED BY THE CONTRACTOR WITHIN 24 HOURS.
7. TEMPORARY EROSION CONTROL MEASURES SHALL BE COMPLETELY REMOVED BY THE CONTRACTOR UPON ESTABLISHMENT OF PERMANENT CONTROL MEASURES.
8. CONSTRUCTION WILL NOT DISTURB MORE THAN 5 ACRES, THUS A NPDES STORM WATER DISCHARGE PERMIT **WILL NOT** BE REQUIRED.
9. AREA OF DISTURBANCE IS **XXX** ACRES.
10. ALL ROADS WITHIN THE INFLUENCE OF THE PROJECT MUST REMAIN CLEAN AT ALL TIMES. CONTRACTOR SHALL SWEEP STREETS AS DIRECTED BY LOCAL MUNICIPALITY HAVING JURISDICTION OVER THE ROADWAY (I.E. TOWNSHIP, CITY, COUNTY, STATE, ETC).
11. BEST MANAGEMENT PRACTICES FOR SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE USED ON THIS PROJECT AS SHOWN ON THE PLANS AND AS DEFINED BY THE ENGINEER.
12. THE CONTRACTOR SHALL SUBMIT A DETAILED SOIL EROSION AND SEDIMENTATION CONTROL PLAN AND OBTAIN AN ACT 451 PART 91, SOIL EROSION AND SEDIMENTATION CONTROL PERMIT, COPY TO PROVIDED TO THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR THE PAYMENT OF APPLICATION FEES, REVIEW FEES, INSPECTION FEES, BONDS, ETC. NO EARTH CHANGES OR EXCAVATION SHALL BE STARTED PRIOR TO THE ISSUANCE OF THIS PERMIT.
13. PROJECT IS LOCATED ACROSS THE STREET OF THE CITY OF LUDINGTON WWTP AND APPROXIMATELY 3,200 FEET NORTHEAST OF THE PERE MARQUETTE RIVER. PROJECT IS NOT WITHIN THE 100 YEAR FLOOD PLAIN.
14. THE FOLLOWING INDICATES SOIL EROSION KEY STANDARDS, **##** , SEE MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLANS, AS SHOWN ON THIS SHEET (REFER TO THE MDOT SOIL EROSION AND SEDIMENTATION CONTROL MANUAL SECTION 7 FOR SPECIFIC DETAILS).
15. TEMPORARY SEEDING SHALL BE MDOT TUF SEED MIXTURE PLACED ACCORDING TO MDOT SPECIFICATIONS. TEMPORARY SEEDING SHALL BE MAINTAINED DURING THE PERIOD OF CONSTRUCTION UNTIL THE CONTRACT HAS BEEN COMPLETED AND ACCEPTED.

MAINTENANCE

ALL MEASURES STATED ON THIS SITE MAP SHALL BE MAINTAINED BY THE CONTRACTOR IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE APPLICABLE PERMIT AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.
2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY BY THE CONTRACTOR TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHALL BE FERTILIZED, WATERED, AND RESEEDED AS NEEDED, AT NO ADDITIONAL COST TO THE OWNER.
3. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
4. THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXITS AS CONDITIONS DEMAND.
5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AREA AS CONDITIONS DEMAND.
6. RESPONSIBLE PERSON DURING CONSTRUCTION WILL BE THE CONTRACTOR. RESPONSIBLE PERSON AFTER CONSTRUCTED HAS CEASED AND THE SITE IS STABILIZED WILL BE THE OWNER.

SOIL EROSION CONTROL SCHEDULE

WORK TO BE DONE	SOIL EROSION CONTROL METHOD	MONTH 1	MONTH 2	MONTH 3	MONTH 4	MONTH 5	MONTH 6	MONTH 7	MONTH 8	MONTH 9	MONTH 10
CONSTRUCTION PERMITS											
INSTALL SILT FENCE	26										
CONSTRUCT CONSTRUCTION ENTRANCE	14										
CLEAR AND GRUB REMOVE EXISTING STRUCTURES											
STRIP TOP SOIL AND STOCKPILE	3										
PRELIMINARY SITE GRADING	32										
BUILDING CONSTRUCTION											
CONSTRUCT STORM SEWER AND DRAINAGE STRUCTURES	29										
INSTALL OTHER UTILITIES											
FINE GRADE PARKING LOT & INSTALL CURB & GUTTER											
INSTALL AGGREGATE SUBBASE & BITUMINOUS SURFACE											
INSTALL FINAL BITUMINOUS SURFACE											
FINAL SITE GRADING AND LANDSCAPING	16 3										
ESTIMATED FINISH CONSTRUCTION											

THE CONTRACTOR SHALL SUBMIT FINAL SOIL EROSION AND CONSTRUCTION SEQUENCE SCHEDULE PRIOR TO ISSUANCE OF SOIL EROSION CONTROL PERMIT

THREE RIVERS CORPORATION

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MMH - WEST BRANCH WOUND CARE FACILITY

2375 SOUTH M-30 WEST BRANCH, MI

ISSUED
- 3/29/21 50% CD REVIEW
- 4/05/21 SITE PLAN APPROVAL
- 4/08/21 SITE PLAN APPROVAL

PROJECT NUMBER: E21-462

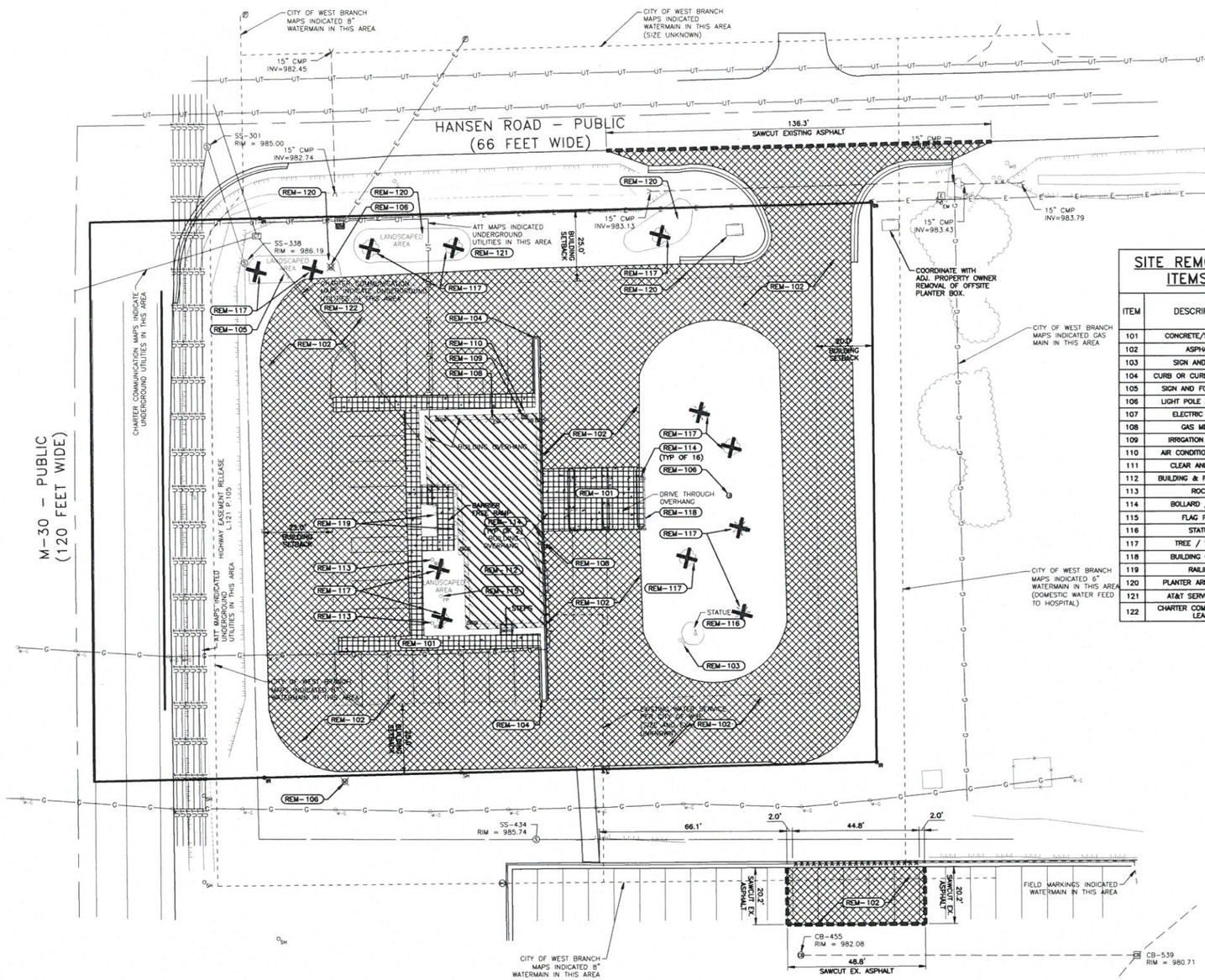
SHEET INFORMATION
DRAWN BY: B. NARTKER
CHECKED BY: K. ROYSTON
SCALE: 1" = 20'

SHEET TITLE: SESC DETAILS

SHEET NUMBER: **C2.1**

WADE TRIM PROJECT #THC2070.01F

Current lot setup



SITE REMOVAL ITEMS

ITEM	DESCRIPTION
101	CONCRETE/SIDEWALK
102	ASPHALT
103	SIGN AND POST
104	CURB OR CURB & GUTTER
105	SIGN AND FOUNDATION
106	LIGHT POLE AND BASE
107	ELECTRIC METER
108	GAS METER
109	IRRIGATION SYSTEM
110	AIR CONDITIONING UNIT
111	CLEAR AND GRUB
112	BUILDING & FOUNDATION
113	ROCK
114	BOLLARD / POST
115	FLAG POLE
116	STATUE
117	TREE / SHRUB
118	BUILDING CANOPY
119	RAILING
120	PLANTER AREA / BOX
121	AT&T SERVICE LEAD
122	CHARTER COMM. SERVICE LEAD

N

20 10 0 20 40
SCALE IN FEET

PROPOSED LEGEND

- CURB & GUTTER REMOVAL
- SAWCUT FULL, FULL DPETH
- REMOVAL ITEM
- RELOCATE ITEM (REL- XXX)
- ADJUST STRUCTURE (ADJ- XXX)
- ABANDON ITEM (ABN)
- RECONSTRUCT STRUCTURE (REC- XXX)
- DECIDUOUS TREE/BUSH REMOVAL
- EVERGREEN TREE/BUSH REMOVAL
- BUILDING REMOVAL
- BITUMINOUS SURFACE REMOVAL
- CONCRETE SURFACE REMOVAL

NOTE: FOR EXISTING FEATURES SEE TOPOGRAPHIC SURVEY OR EXISTING CONDITIONS PLAN.

DEMOLITION NOTES

1. THE DEMOLITION CONTRACTOR SHALL OBTAIN A DEMOLITION PERMIT FROM THE APPROPRIATE GOVERNING AGENCY(S) PRIOR TO COMMENCING WITH DEMOLITION.
2. THE DEMOLITION CONTRACTOR SHALL BE RESPONSIBLE FOR BACKFILLING THE BUILDING EXCAVATION AREAS WITH M.D.O.T. CLASS II MATERIAL. ALL FILL MATERIAL SHALL BE BACKFILLED WITH MAX. 12" LIFTS & COMPACTED TO 95% MAX. DENSITY PER ASTM D1557 (MODIFIED PROCTOR).
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF THE CONCRETE BASES AND APPURTENANCES FOR ALL FLAG POLES, LIGHT POLES, PIPE BOLLARDS AND SIGNS THAT ARE TO BE REMOVED, INCLUDING ANY NOT IDENTIFIED ON THIS PLAN.
4. ALL ASPHALT & CONCRETE TO BE REMOVED SHALL BE SAW CUT WHERE REQUIRED ALONG PROPOSED LIMITS OF DEMOLITION.
5. THE LOCATION OF THE EXISTING WATER SERVICE LINE IS UNKNOWN. THE WATER LINES ARE SHOWN PER MAPS OBTAINED FROM THE CITY OF WEST BRANCH. THE CONTRACTOR SHALL FIELD LOCATE THE EXISTING WATER SERVICE LINE. THE EXISTING WATER SERVICES SHALL BE REMOVED TO THE RIGHT OF WAY LINE PLUGGED AND ABANDONED. ALL PLUGS SHALL BE WATER TIGHT.
6. THE EXACT LOCATION OF THE EX. SANITARY SEWER SERVICE LEAD IS UNKNOWN. THE CONTRACTOR SHALL FIELD LOCATE ALL EXISTING SANITARY SEWER SERVICE LEADS AND FORCE MAINS. THE EXISTING SANITARY SEWER SYSTEM SHALL BE REMOVED TO WITHIN 10 FEET OF THE RIGHT OF WAY LINE AND TEMPORARILY PLUGGED FOR RE-USE. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE SIZE AND XYZ COORDINATES OF THE INVERT OF THIS LOCATION. THE ENGINEER WILL THEN PROVIDE THE DESIGN FOR THE FINAL SANITARY SEWER SERVICE LOCATION.
8. THE DEMOLITION CONTRACTOR SHALL COORDINATE ALL UTILITY REMOVAL\RELOCATION WITH THE APPROPRIATE UTILITY COMPANY.
9. BUILDING REMOVAL TO INCLUDE ALL FOOTINGS, SLABS AND BELOW GRADE PORTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL MATERIALS OFF-SITE.
11. ALL CONCRETE CURB AND GUTTER ON-SITE SHALL BE REMOVED AND PROPERLY DISPOSED OF, INCLUDING ANY NOT SHOWN ON THIS PLAN.
12. ALL EXISTING ON-SITE VEGETATION AND TOPSOIL SHALL BE REMOVED WITHIN THE PROJECT LIMITS. CLEAN TOP SOILS MAY BE STORED ON-SITE FOR REUSE, COORDINATE WITH LANDSCAPE PLAN.
13. THE LOCATION OF THE UNDERGROUND SPRINKLER SYSTEM IS UNKNOWN, THE CONTRACTOR SHALL FIELD LOCATE SPRINKLER SYSTEM AND BE RESPONSIBLE TO REMOVE & PROPERLY DISPOSE OF.

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PROJECT NUMBER
E21-462

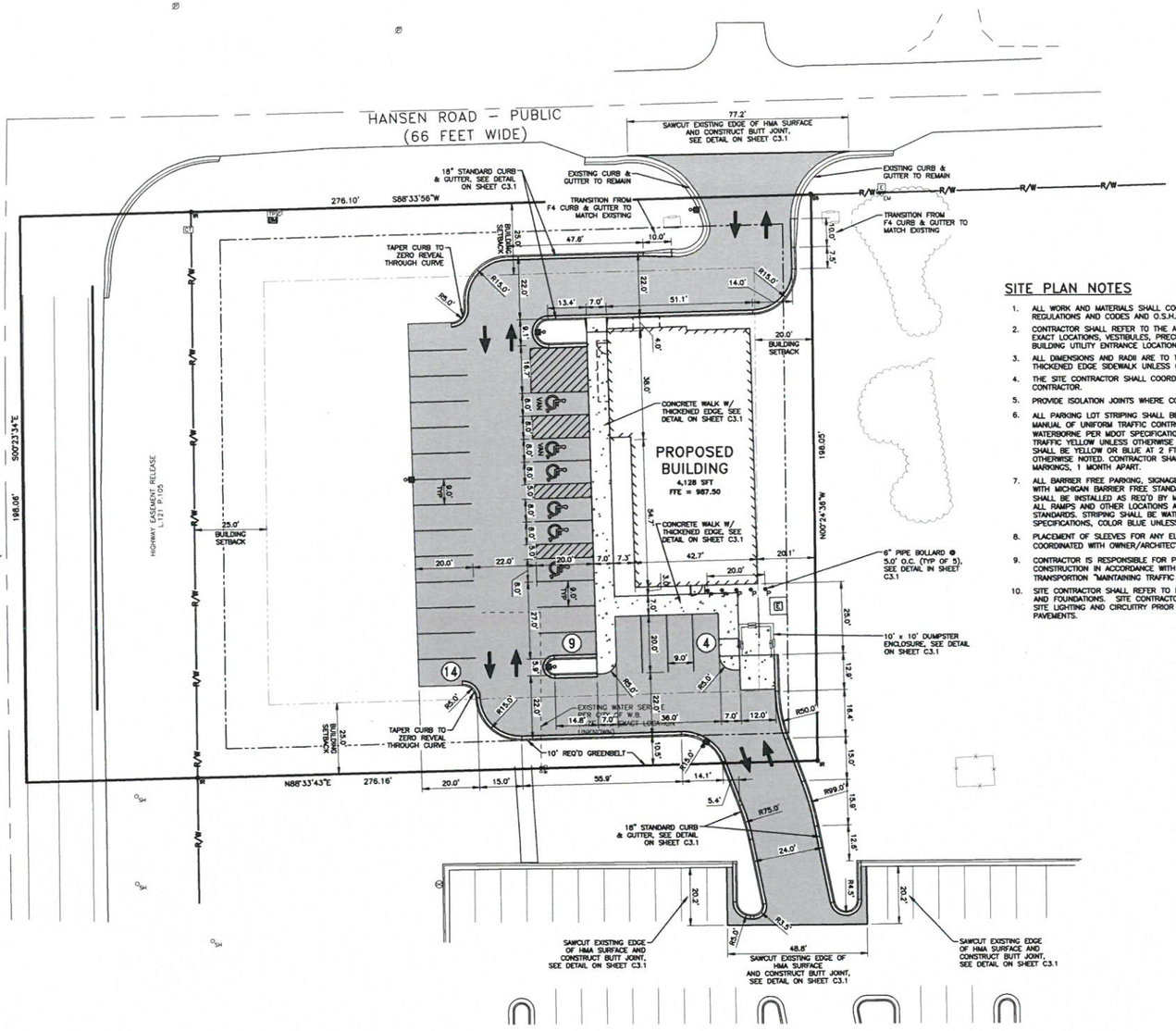
SHEET INFORMATION
DRAWN BY: B. NARTKER
CHECKED BY: K. ROYSTON
SCALE: 1" = 20'

SHEET TITLE
DEMOLITION PLAN

SHEET NUMBER
C2.2

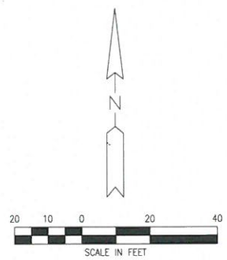
WADE TRIM PROJECT #THC2070.01F

811 Know what's below. Call before you dig.



SITE PLAN NOTES

1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY & COUNTY REGULATIONS AND CODES AND O.S.H.A. STANDARDS WHERE APPLICABLE.
2. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR DETAILS AND EXACT LOCATIONS, VESTIBULES, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
3. ALL DIMENSIONS AND RADII ARE TO THE **FACE** OF CURB OR FACE OF THICKENED EDGE SIDEWALK UNLESS OTHERWISE NOTED ON THE PLANS.
4. THE SITE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE BUILDING CONTRACTOR.
5. PROVIDE ISOLATION JOINTS WHERE CONCRETE ABUTS PROPOSED BUILDING.
6. ALL PARKING LOT STRIPING SHALL BE IN ACCORDANCE WITH THE "MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES". ALL STRIPING SHALL BE WATERBORNE PER MDOT SPECIFICATIONS AND ALL STRIPING SHALL BE 4" TRAFFIC YELLOW UNLESS OTHERWISE NOTED. ALL DIAGONAL STRIPPING SHALL BE YELLOW OR BLUE AT 2 FT ON CENTER, ON A 45° ANGLE UNLESS OTHERWISE NOTED. CONTRACTOR SHALL APPLY 2 COATS OF PAVEMENT MARKINGS, 1 MONTH APART.
7. ALL BARRIER FREE PARKING, SIGNAGE & STRIPING SHALL BE IN ACCORDANCE WITH MICHIGAN BARRIER FREE STANDARDS. DETECTABLE WARNING SURFACE SHALL BE INSTALLED AS REQ'D BY MICHIGAN BARRIER FREE STANDARDS AT ALL RAMPS AND OTHER LOCATIONS AS PROVIDED IN MICHIGAN BARRIER FREE STANDARDS. STRIPING SHALL BE WATERBORNE PAVEMENT MARKING PER MDOT SPECIFICATIONS, COLOR BLUE UNLESS OTHERWISE SPECIFIED.
8. PLACEMENT OF SLEEVES FOR ANY ELECTRIC OR IRRIGATION SYSTEM SHALL BE COORDINATED WITH OWNER/ARCHITECT PRIOR TO BEGINNING CONSTRUCTION.
9. CONTRACTOR IS RESPONSIBLE FOR PROPER TRAFFIC CONTROL DURING CONSTRUCTION IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTION "MAINTAINING TRAFFIC TYPICALS".
10. SITE CONTRACTOR SHALL REFER TO LIGHTING PLANS FOR LIGHTING LOCATIONS AND FOUNDATIONS. SITE CONTRACTOR SHALL COORDINATE LOCATIONS OF ALL SITE LIGHTING AND CIRCUITRY PRIOR TO PLACING UTILITIES AND INSTALLING PAVEMENTS.



PROPOSED LEGEND

- CANOPY LIMITS
- BUILDING LINE
- 18" STD. CURB AND GUTTER
- STRAIGHT CURB
- BUILDING SETBACK
- RIGHT OF WAY LINE — R/W —
- THICKENED EDGE CONCRETE
- STOP BAR
- PARKING COUNT (#)
- TRAFFIC FLOW ARROW
- TRANSFORMER BOX (E)
- PARKING LOT LIGHT POLE
- SIGN AND SIGN POST
- BOLLARD
- ACCESSIBLE SYMBOL, REFER TO SHEET C3.1
- DETECTACBLE WARNING SURFACE
- BITUMINOUS SURFACE SEE DETAIL ON SHEET C3.1
- CONCRETE SURFACE SEE DETAIL ON SHEET C3.1
- PAINTED ISLAND

NOTE: FOR EXISTING FEATURES SEE TOPOGRAPHIC SURVEY OR EXISTING CONDITIONS PLAN.

PARKING REQUIREMENTS

TYPE	NO. OF SPACES
REQUIRED	
1 SPACE FOR EACH 200 SQUARE FEET OF BUILDING FLOOR AREA BUT IN NO CASE LESS THAN 5 SPACES. 4,128 SFT / 200 =	21
REGULAR SPACES	20
BARRIER FREE SPACES	1
TOTAL PARKING REQUIRED	21
MAX PARKING SPACES ALLOWED IS 125% OF THE REQUIRED PARKING 21 x 1.25 =	27

SITE DATA TABLE

EXISTING ZONING	G-B GENERAL BUSINESS DISTRICT
TAX PARCEL #	052-630-046-00
PROPOSED USE	HEALTH CARE
MINIMUM LOT AREA	10,800 SFT
TOTAL LOT AREA (WITH M-30 RIGHT OF WAY)	54,679.74 SFT 1.26 ACRES
TOTAL LOT AREA (WITHOUT M-30 RIGHT OF WAY)	42,806.4 SFT (0.98 ACRES)
MINIMUM BUILDING SETBACKS	
FRONT	25 Ft
SIDE	20 Ft
REAR	25 Ft
SIDE (STREET CORNER)	25 Ft
ACTUAL SETBACKS	
FRONT (M-30)	144.4'
FRONT (HANSON RD)	44.9'
SIDE (EAST)	20.1'
REAR (SOUTH)	62.5'
MAXIMUM BUILDING HEIGHT	45 Ft
PROPOSED BUILDING HEIGHT	15.0'
MAXIMUM LOT COVERAGE	75%
PROPOSED LOT COVERAGE	7.60%
PARKING REQUIRED (SEE CALCULATION THIS SHEET)	21
REQUIRED PARKING SPACE SIZE	9' x 18'
PROP. PARKING SPACE SIZE	9' x 20'
PROPOSED PARKING SPACES	27
REGULAR PARKING SPACES	21
PROPOSED A.D.A. SPACES	6
BUILDING AREA	4,118 SFT
LOADING/UNLOADING SPACES REQ'D	1 EA
LOADING/UNLOADING SPACES PROVIDED (10'x35')	1 EA
INT. PARKING LOT LANDSCAPING (25 TO 75 SPACES) 5% OF PARKING LOT	WADE TRIM PROJECT #THC2070.01F

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SHEET INFORMATION
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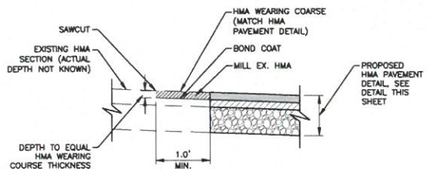
CHECKED BY: K. ROYSTON
SCALE: 1" = 20'

SHEET TITLE
SITE PLAN

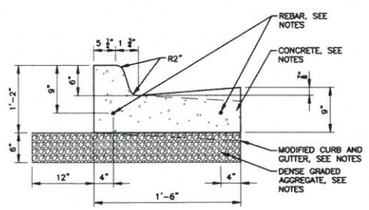
SHEET NUMBER
C3.0

811 Know what's **below.** **Call** before you dig.



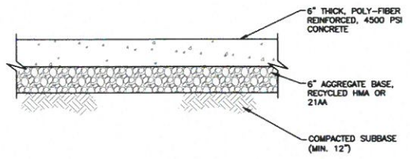
HMA BUTT JOINT DETAIL

NOT TO SCALE



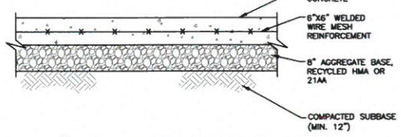
18" STANDARD CURB & GUTTER DETAIL

NOT TO SCALE



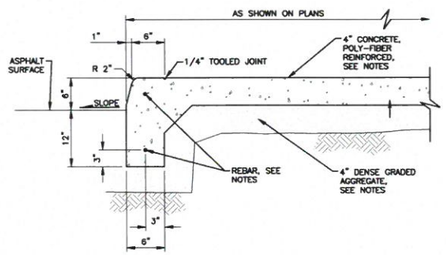
6" CONCRETE SURFACE DETAIL

NOT TO SCALE



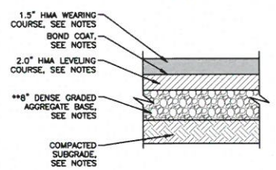
8" CONCRETE SURFACE DETAIL

NOT TO SCALE



CONCRETE WALK WITH THICKENED EDGE

NOT TO SCALE

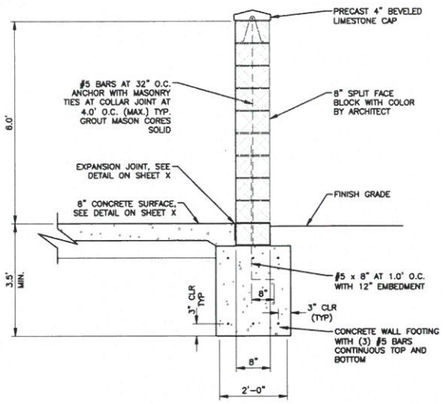


NOTE:
** 1. CONTRACTOR CAN USE EXISTING CRUSHED SITE CONCRETE/ASPHALT AS AGGREGATE BASE MATERIAL (CONTRACTOR SHALL INCREASE BASE THICKNESS BY 25%)

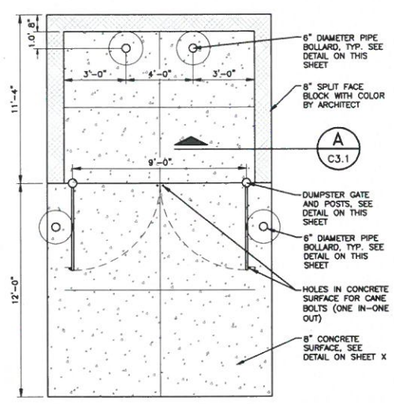
STANDARD HMA PAVEMENT DETAIL

NOT TO SCALE

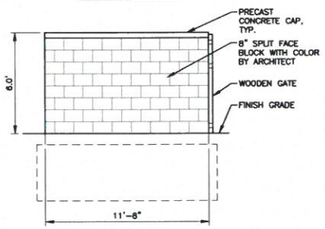
Know what's below. Call before you dig.



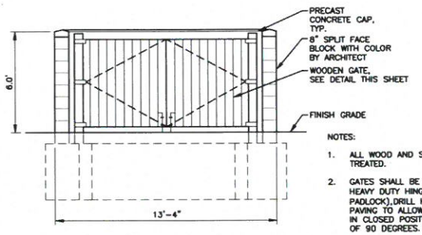
SECTION A
DUMPSTER ENCLOSURE SCREEN WALL SECTION



PLAN



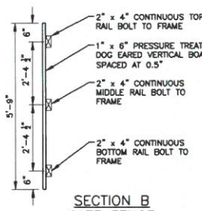
SIDE ELEVATION



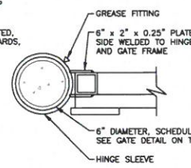
FRONT ELEVATION

NOTES:

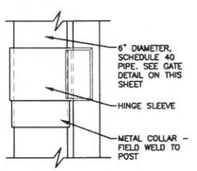
1. ALL WOOD AND SUPPORTS TO BE PRESSURE TREATED.
2. GATES SHALL BE EQUIPPED WITH DROP BOLTS, HEAVY DUTY HINGES, AND LATCHES (WITH PADLOCK),DRILL HOLES 2" DEEP IN CONCRETE. PAVING TO ALLOW DROP BOLTS TO HOLD GATES IN CLOSED POSITION AND AT AN OPEN POSITION OF 90 DEGREES.
3. PRESSURE TREATED WOOD FENCE TO BE STAINED OR PAINTED ON ALL SIDES. COLOR TO BE COORDINATED WITH THE ARCHITECT/OWNER.



SECTION B
GATE FENCE



HINGE PLAN



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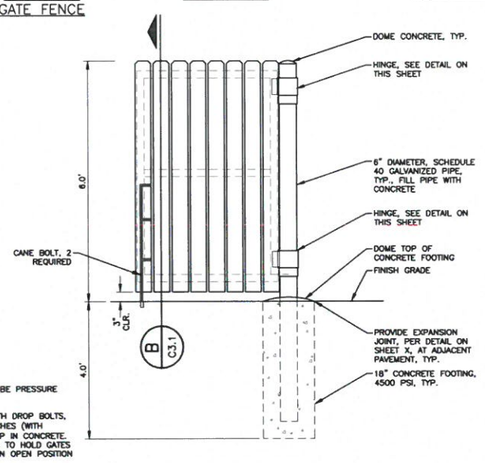
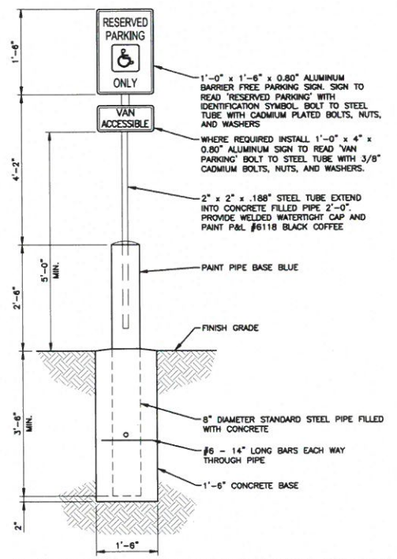


GATE DETAIL



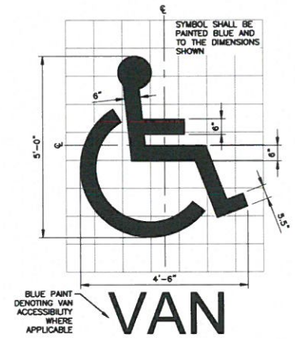
DUMPSTER ENCLOSURE DETAIL

NOT TO SCALE

ALL SIGNS SHALL COMPLY WITH U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES",LOCAL CODES AND AS SPECIFIED. MOUNT SIGNS TO POST IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

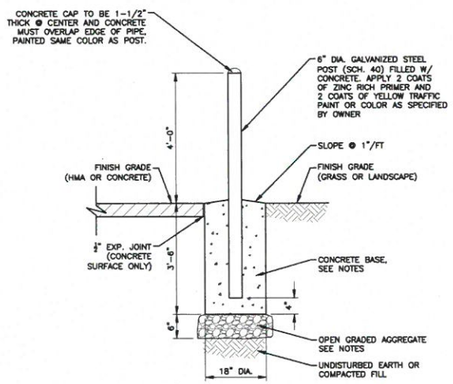
BARRIER FREE SIGN DETAIL

NOT TO SCALE



BARRIER FREE SYMBOL DETAIL

NOT TO SCALE



6" PIPE BOLLARD DETAIL

NO SCALE

CONCRETE NOTES

1. ALL CONCRETE SHALL BE 4500 PSI CONCRETE MIX UNLESS OTHERWISE NOTED.
2. ALL POLY FIBER REINFORCED CONCRETE SHALL HAVE A MIX RATIO OF 1.5 LBS OF POLY FIBER PER 1.0 CYD OF CONCRETE.

CONCRETE JOINTS

1. THE CONTRACTOR MUST PREPARE A JOINTING PLAN AND SUBMIT TO ENGINEER AS A SHOP DRAWING FOR APPROVAL PRIOR TO PLACEMENT OF CONCRETE.
2. BEGIN SAW CUTS AFTER THE CONCRETE HAS HARDENED ENOUGH TO PERMIT SAWING WITH OUT RAVELING OR MOVING AGGREGATES.
3. IF CRACKS DEVELOP AHEAD OF A SAW, STOP SAWING THAT JOINT. LATER USE CRACK SAWS TO FORM JOINT SEALANT RESERVOIRS ALONG THE CRACK LINE.
4. JOINT SPACING:
   - A. MAXIMUM SLAB SIZE = 2 x SLAB THICKNESS (INCHES TO FEET). I.E.: 2 x 6 INCHES = 12 FEET - 15 FEET IS ABSOLUTE MAX.
   - B. RECOMMENDED MAXIMUM JOINT SPACING (SMALLER IS BETTER)
     - a. 4" SLAB: 6 FEET
     - b. 6" SLAB: 10 FEET
     - c. 8" SLAB: 14 FEET
     - d. 9" SLAB: 15 FEET
5. CATCH BASIN AND MANHOLE CASTINGS REQUIRE A BOXOUT OR ISOLATION TO ALLOW FOR VERTICAL AND HORIZONTAL SLAB MOVEMENT.
6. SAWCUT JOINTS SHALL BE CONTINUOUS ACROSS THE SLAB AND SHALL MATCH LOCATION OF JOINTS ON ABUTTING CONCRETE SLABS.
7. CONTRACTOR SHALL PROVIDE ISOLATION/EXPANSION JOINTS BETWEEN SLABS OR AT STRUCTURES.
8. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION JOINTS AT EDGE OF POURS OR FORM LINES.
9. THE CONTRACTOR SHALL PROVIDE CONTRACTION JOINTS (SAW CUTS OR TOOLED) EQUALLY SPACED AS IDENTIFIED IN NOTE 4 AND 100 THIS SHEET.

CONCRETE CURBING:

1. WHERE THE DRAINAGE FLOWS AWAY FROM THE CURB AND GUTTER THE CONTRACTOR MODIFY THE CURB AND GUTTER DETAIL TO SLOPE AWAY FROM THE CURB FACE @ 1" PER FOOT.
2. THE CONTRACTOR SHALL NOT GRADE SITE SO THAT STORM WATER FLOWS TOWARDS OR AGAINST STRAIGHT CURB OR THICKENED EDGE SIDEWALK.
3. ALL REBAR FOR CONCRETE CURB AND GUTTER SHALL BE # 4 EPOXY COATED.
4. PLACE 1" FIBER JOINT FILLER AT 400' MAXIMUM INTERVALS.
5. PLACE 1" FIBER JOINT FILLER AT SPRING POINTS IF CURB RETURNS (AND INTERSECTION STREETS).
6. PLACE 1" FIBER JOINT FILLER IN ADJACENT CONTRACTION JOINTS EACH SIDE OF CATCH BASINS.
7. PLACE CONTRACTION JOINTS AT 40' MAXIMUM INTERVALS (NO SAW CUT JOINTS ALLOWED).

MATERIALS:

1. GRANULAR MATERIAL - MDOT CLASS II SAND
2. OPEN GRADED AGGREGATE - MDOT 6A OR AASHTO #57
3. DENSE GRADED AGGREGATE - MDOT 22AA CRUSHED LIMESTONE

ASPHALT

1. THE LEVELING AND WEARING COURSE SHALL BE DONE IN TWO LIFTS OF MDOT 4E1
2. THE ASPHALT BINDER SHALL BE PG 58-28

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Bay City, MI 48707
989.895.3100
www.wadetrim.com

MMH - WEST BRANCH WOUND CARE FACILITY

2375 SOUTH M-30 WEST BRANCH, MI

ISSUED
- 3/29/21 50% CD REVIEW
- 4/05/21 SITE PLAN APPROVAL
- 4/08/21 SITE PLAN APPROVAL

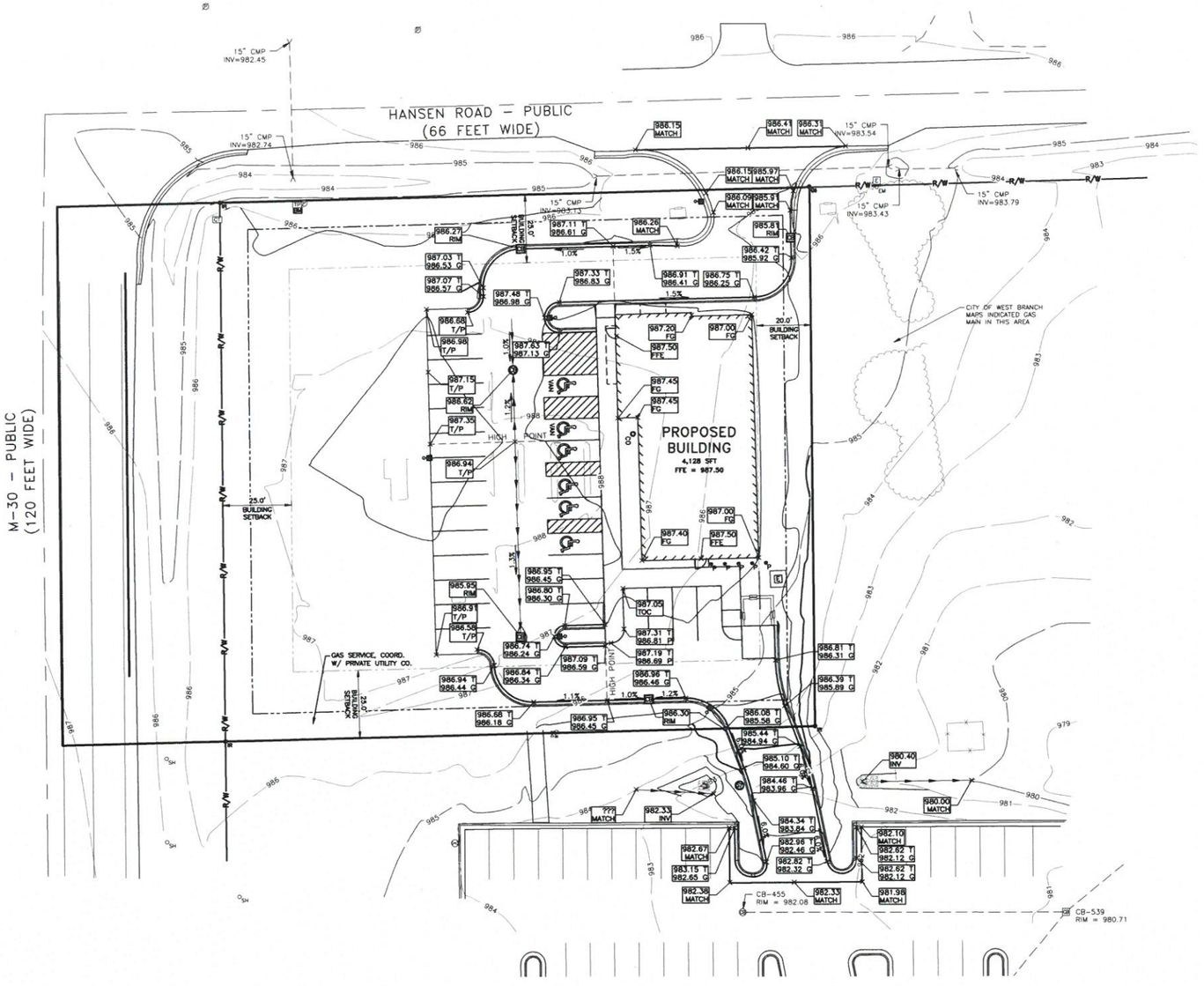
PROJECT NUMBER
E21-462

SHEET INFORMATION
DRAWN BY: B. NARTKER
CHECKED BY: K. ROYSTON
SCALE: 1" = 20'

SHEET TITLE
SITE DETAILS

SHEET NUMBER
C3.1

WADE TRIM PROJECT #THC2070.01F



PROPOSED LEGEND

CURB ELEVATION WHERE: T = TOP OF CURB G = GUTTER OR PVMT.	100.50 T 100.00 G
THICKENED EDGE WALK ELEV. WHERE: T = TOP OF WALK P = PAVEMENT	100.50 T 100.00 P
SPOT ELEV. *WHERE XXX IS ONE OF THE FOLLOWING:*	100.00 XXX
TOP OF CONCRETE ELEV.	TOC
FINISH GRADE ELEV.	FG
RIM ELEV.	RIM
MATCH EXISTING ELEV.	MATCH
TOP OF PAVEMENT ELEV.	T/P
TOP OF BANK ELEV.	TOB
TOE OF SLOPE ELEV.	TOE
FINISH FLOOR ELEV.	FFE
DRAINAGE FLOW	
DRAINAGE SLOPE	1.0%
FINISH GRADE SLOPE	4:1
MAJOR CONTOUR	100
MINOR CONTOUR	101
STORM CATCH BASIN	
STORM CURB INLET	
STORM SEWER END SECTION	
STORM SEWER LINE	
HIGH POINT	H.P.
DRAINAGE SWALE	
TOP OF BANK	

NOTE: FOR EXISTING FEATURES SEE TOPOGRAPHIC SURVEY OR EXISTING CONDITIONS PLAN.

N

20 10 0 20 40
SCALE IN FEET

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PROJECT NUMBER
E21-462

SHEET INFORMATION
DRAWN BY: B. NARTKER
CHECKED BY: K. ROYSTON
SCALE: 1" = 20'

SHEET TITLE
GRADING PLAN

SHEET NUMBER
C4.0

WADE TRIM PROJECT #THC2070.01F

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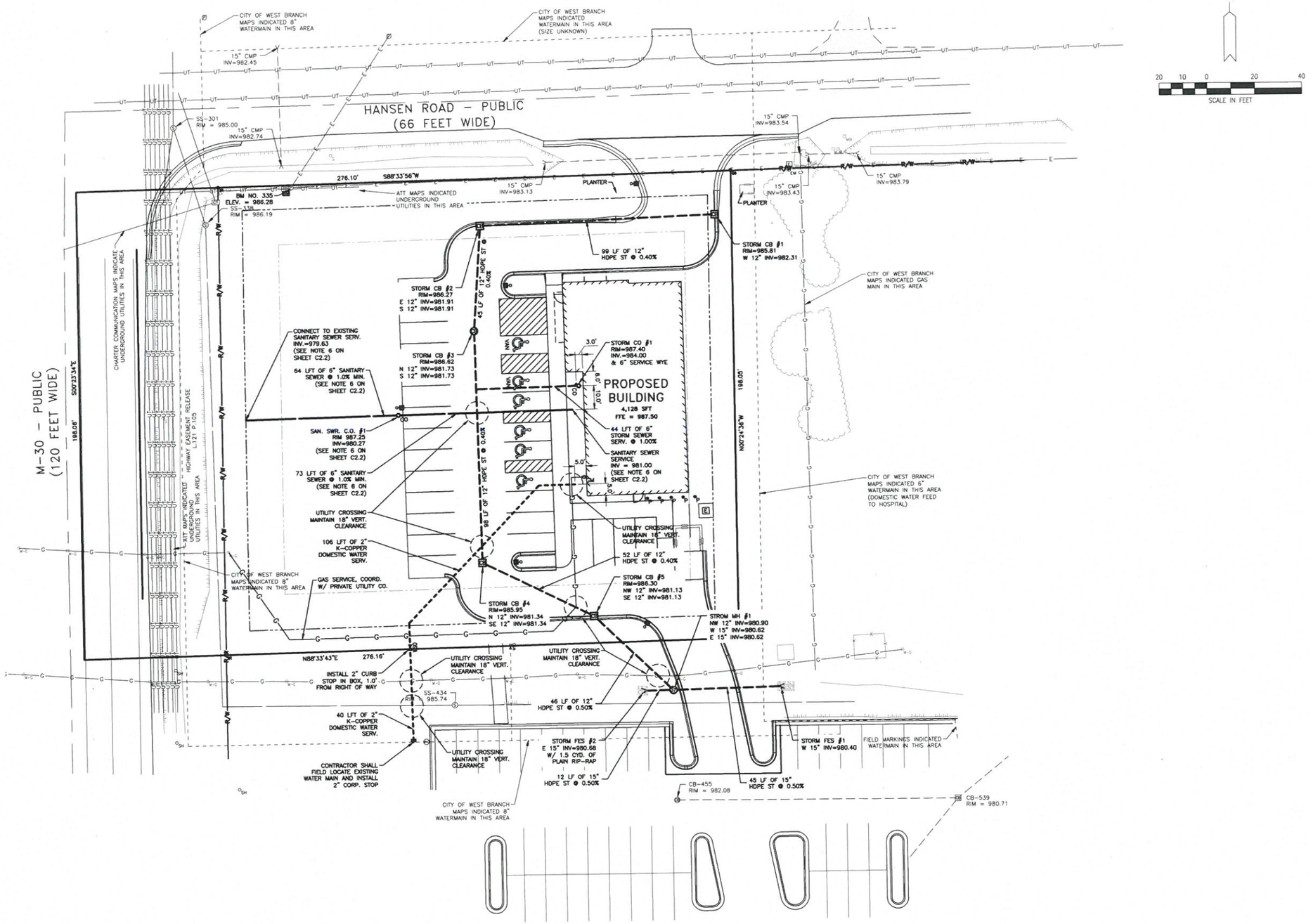

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MMH - WEST BRANCH WOUND CARE FACILITY

2375 SOUTH M-30 WEST BRANCH, MI

ISSUED	
3/29/21	50% CD REVIEW
4/05/21	SITE PLAN APPROVAL
4/08/21	SITE PLAN APPROVAL

PROJECT NUMBER
E21-462

SHEET INFORMATION
DRAWN BY: B. NARTKER
CHECKED BY: K. ROYSTON
SCALE: 1" = 20'

SHEET TITLE
UTILITY PLAN

SHEET NUMBER
C5.0

WADE TRIM PROJECT #THC2070.01F

STORM SEWER NOTES

1. ALL STORM SEWER CONSTRUCTION SHALL CONFORM TO THE CURRENT STANDARDS AND GENERAL SPECIFICATION OF THE AGENCY OR AGENCIES HAVING JURISDICTION OF THE STORM SEWER AND CONSTRUCTION AREA.
2. DETAILS ARE FOR STRUCTURES WITH NO MORE THAN TWO PIPES, 180° APART. LARGER DIAMETER STRUCTURES MAY BE REQUIRED FOR DIFFERENT CONFIGURATIONS.
3. ALL STRUCTURES REQUIRE A MINIMUM OF 8-INCHES OF WALL BETWEEN PIPE OPENINGS. LARGER DIAMETER STRUCTURES MAY BE REQUIRED WHERE PIPE ENTERING THE STRUCTURE ARE LESS THAN 90° APART IN ANY DIRECTION.
4. ALL CASTING RIMS SHALL BE SET TO GRADE OR AS SHOWN ON THE PLANS.
5. MANHOLE STEPS SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE DETAILS AND SHALL BE:
   - A. CAST IRON CONFORMING TO ASTM A48, CLASS 30 GRAY IRON WITH A MIN. CROSS SECTION DIMENSION OF 1-INCH IN ANY DIRECTION.
   - B. STEEL REINFORCED POLYPROPYLENE ASTM 4101, PP0344B3353470Z WITH 1/2-INCH MIN. DIAMETER DEFORMED REINFORCING BAR CONFORMING TO ASTM A615, GRADE 60.
6. MANHOLE AND CATCH BASINS FRAME AND COVER/GRATE SHALL BE CONFORM TO ASTM A48, CLASS 30, GRAY IRON AND BE AS FOLLOWS (**):
   - A. MANHOLES: EJ #1040 WITH A SOLID COVER (OR APPROVED EQUAL)
   - B. CATCH BASINS:

     LAWN AREA: EJ #1040 WITH A TYPE N OVAL GRATE (OR APPROVED EQUAL).

     PAVEMENT (ROUND): EJ #1040 WITH A TYPE M1 GRATE "DUMP NO WASTE" (OR APPROVED EQUAL).

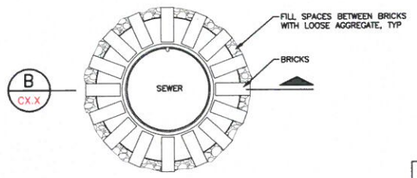
     PAVEMENT (SQUARE): EJ #5724 FRAME AND GRATE (OR APPROVED EQUAL).

     CURB:

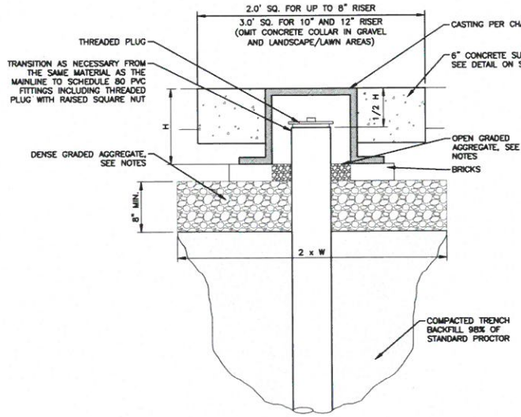
18" STANDARD CURB:	EJ #7045Z W/ 7040 M1 GRATE OR APPROVED EQUAL
24" STANDARD CURB:	EJ #7045Z W/ 7045 M1 GRATE OR APPROVED EQUAL
ROLL CURB:	EJ #7085 W/ M1 GRATE OR APPROVED EQUAL
MOUNTABLE CURB:	EJ #7250 OR APPROVED EQUAL
WEDGE CURB & GUTTER:	EJ #7300 W/ M GRATE OR APPROVED EQUAL
DRIVEWAY GUTTER:	EJ #7065 W/ 7045 M1 GRATE OR APPROVED EQUAL
VALLEY GUTTER:	EJ #4410 OR APPROVED EQUAL

     **LOCAL APPROVING AGENCIES CASTINGS SHALL SUPERSEDE THE LIST PROVIDED HERE.
   - C. ALL MANHOLE/CATCH BASIN CONNECTIONS SHALL BE PER THE DETAILS INCLUDED IN THIS SET.
   - D. ALL MANHOLES WITH 36" DIAMETER PIPE CONNECTIONS SHALL HAVE A CONCRETE FLOW CHANNEL.
7. DIFFERENTIAL OF EXCAVATION AROUND EXISTING MANHOLES SHALL NOT EXCEED SIX FEET.
8. PLACE SAND BACKFILL WITHIN THREE FEET OF ALL STRUCTURES UNLESS WRAPPED FINGER DRAIN IS INSTALLED. ALL BACK FILL SHALL BE COMPACTED IN MAX. 12" LIFTS COMPACTED TO A MINIMUM 98% OF THE MAXIMUM DRY DENSITY DETERMINED BY MODIFIED PROCTOR TEST.
9. ALL STORM SEWER PIPE SHALL HAVE BEDDING PER THE DETAIL ON THIS SHEET UNLESS OTHERWISE NOTED ON THE PLANS.
10. ALL PRECAST PRODUCTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-478.
11. ALL JOINTS FOR PRECAST CONCRETE MANHOLE SECTIONS SHALL BE THE SAME AS RCP PIPE.
12. ALL DRAINAGE PIPE SHALL BE AS NOTED ON PLANS
    - A. ALL REINFORCED CONCRETE PIPE (RCP) SHALL CONFORM TO ASTM C76 CLASS IV, CIRCULAR REINFORCED.
    - B. ALL HIGH DENSITY POLYETHYLENE PIPE (HDPE) SHALL BE SMOOTH LINED CORRUGATED POLYETHYLENE PIPE MEETING AASHTO M252, TYPE S FOR SIZES 4" TO 10" DIAMETER AND AASHTO M294, TYPE S FOR 12" TO 48" DIAMETER.
    - C. ALL CORRUGATED PLASTIC EDGE DRAINS / UNDERDRAINS (CPP) SHALL MEET THE REQUIREMENTS OF AASHTO M252 FOR POLYETHYLENE TUBING. ALL UNDERDRAINS SHALL BE WRAPPED IN A GEOTEXTILE WRAP. ALL CORRUGATED METAL PIPE (CMP) SHALL CONFORM TO AASHTO M36.
    - D. ALL POLYVINYL CHLORIDE SOLID WALL PIPE (PVC) SHALL IN SIZES SHALL BE SDR 35.
13. ALL PIPE JOINTS SHALL BE:
    - A. RCP: ALL JOINTS SHALL BE PREMIUM JOINTS. PREMIUM JOINTS FOR CIRCULAR PIPE SHALL CONFORM TO ASTM C443 LIMITED AS FOLLOWS: SECTION 5.1 OF C443, "PHYSICAL REQUIREMENTS FOR GASKETS," SHALL BE REPLACED WITH SECTION 6.9 OF C361, "RUBBER GASKETS." ALSO, SECTION 5 OF C443 SHALL BE LIMITED TO A MODIFIED GROOVED TONGUE TO RECEIVE A RUBBER GASKET.
    - B. HDPE: JOINTS SHALL BE BELL & SPIGOT TYPE WITH RUBBER GASKETS ON BOTH SIDES OF THE JOINT CONFORMING TO AND ASTM F477. SPLIT COLLAR COUPLERS ARE NOT ALLOWED. JOINTS SHALL BE WATERTIGHT MEETING THE PERFORMANCE REQUIREMENTS OF ASTM D3212.
    - C. CMP: JOINTS FOR CORRUGATED METAL PIPE SHALL BE MADE BY USE OF COUPLING BANDS. COUPLING BANDS SHALL BE OF THE SAME MATERIAL AS SPECIFIED FOR THE PIPE AND SHALL PREVENT INFILTRATION OF THE SIDE FILL MATERIAL. COUPLING BANDS SHALL BE CORRUGATED TO MATCH THE CORRUGATIONS OF THE PIPE TO BE JOINTED, AND SHALL INCLUDE TWO (2) "O" RING NEOPRENE GASKETS FOR EACH JOINT. DIMPLE BANDS SHALL NOT BE USED. JOINTS SHALL BE WRAPPED WITH A 3 FOOT (1 M) WIDE GEOTEXTILE FILTER FABRIC CENTERED ON THE JOINT.
    - D. PVC: JOINTS SHALL BE ASTM D3212, PUSH-ON TYPE. A JOINT IN WHICH AN ELASTOMERIC RING GASKET IS COMPRESSED IN THE ANNULAR SPACE BETWEEN A BELL END OR SOCKET AND A SPIGOT END OF PIPE.
14. THE CONTRACTOR SHALL EXPOSE THE EXISTING STORM SEWER AND STRUCTURES TO WHICH THE NEW WORK IS TO BE CONNECTED AND VERIFY THE EXACT VERTICAL AND HORIZONTAL LOCATIONS OF THE EXISTING SYSTEM. HE SHALL INFORM ENGINEER AS TO THE NECESSARY ADJUSTMENTS REQUIRED TO ALIGN THE NEW STORM SEWER WORK WITH THE EXISTING SYSTEM IF REQUIRED.
15. ALL DRAINAGE STRUCTURES LOCATED WITHIN THE INFLUENCE OF PAVEMENT MUST HAVE UNDER DRAIN.
16. MATERIALS:
    - A. GRANULAR MATERIAL – MDOT CLASS II SAND
    - B. OPEN GRADED AGGREGATE – MDOT 6A OR AASHTO #57
    - C. DENSE GRADED AGGREGATE – MDOT 22AA CRUSHED LIMESTONE
17. TRENCH BACKFILL:
    - A. ALL PIPE THAT RUNS UNDER PAVEMENT, GRAVEL OR CONCRETE SURFACE AND WITHIN A 1 ON 1 INFLUENCE OF THE PAVEMENT, GRAVEL OR CONCRETE SURFACE TO RECEIVE 100% SAND BACKFILL COMPACTED TO A MINIMUM 98% OF THE MAXIMUM DRY DENSITY DETERMINED BY MODIFIED PROCTOR TEST.
    - B. ALL PIPE THAT RUNS OUTSIDE THE PAVED, GRAVEL OR CONCRETE SURFACE SHALL BE BACKFILLED IN MAX 12" LIFTS WITH SUITABLE NATIVE MATERIAL COMPACTED TO A MINIMUM 95% OF THE MAXIMUM DRY DENSITY DETERMINED BY MODIFIED PROCTOR TEST.

Know what's below. Call before you dig.

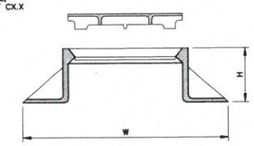


PLAN



SECTION B

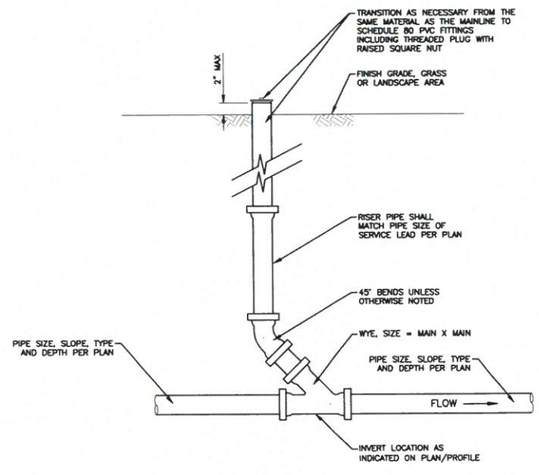
COVER DIMENSIONS CHART			
MAINLINE	CASTING	H	W
UP TO 8"	EJ #1578 OR APPROVED EQUAL	8"	20"
10" AND 12"	EJ #1548 W/ SOLID LID OR APPROVED EQUAL	8"	32"



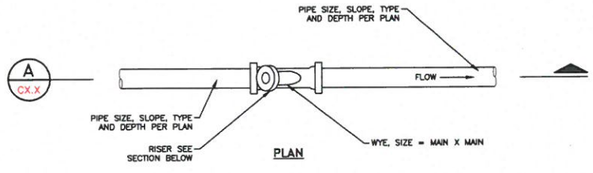
COVER DIMENSIONS DETAIL SEE CHART

CLEAN OUT SURFACE TERMINATION DETAIL

NOT TO SCALE



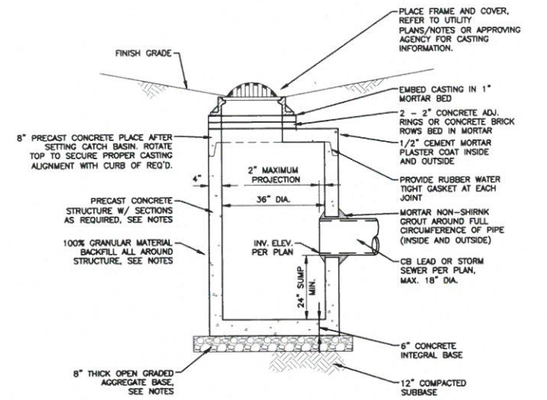
SECTION A



PLAN

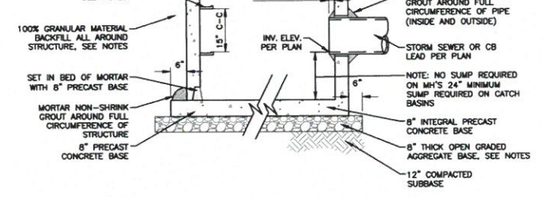
CLEAN OUT DETAIL – TYPE I

NOT TO SCALE



36" DIA. STORM CATCH BASIN DETAIL

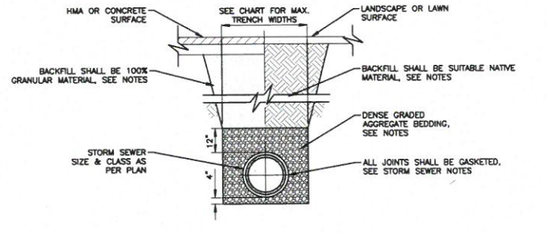
NOT TO SCALE



48"–60" DIA. FLAT TOP STRUCTURE DETAIL

NOT TO SCALE

TRENCH WIDTHS
MAX WIDTH OF TRENCH 12" ABOVE TOP OF PIPE
6" THRU 12" PIPE – 30" WIDE
15" THRU 36" PIPE – O.D. + 16"
42" THRU 60" PIPE – O.D. + 20"
OVER 60" PIPE – O.D. + 24"



FLEXIBLE PIPE TRENCH DETAIL

NOT TO SCALE

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MMH WEST BRANCH WOUND CARE CLINIC

WEST BRANCH, MICHIGAN

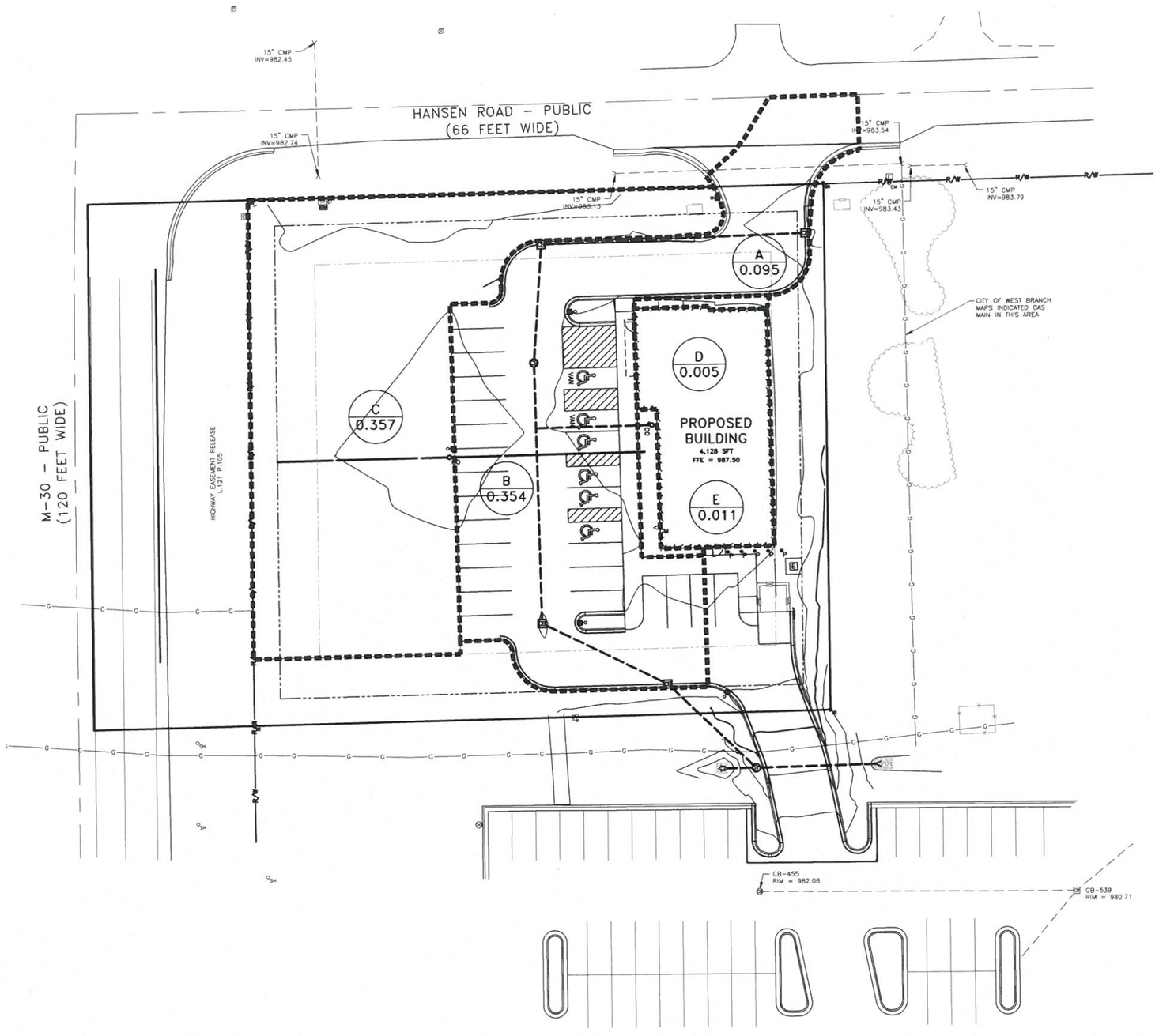
2 ISSUED

PROJECT NUMBER
XXX-XXX

SHEET INFORMATION
DRAWN BY: B. NARTKER
CHECKED BY: K. ROYSTON
SCALE: 1" = 20'

SHEET TITLE
UTILITY DETAILS

SHEET NUMBER
C5.1



20 10 0 20 40
SCALE IN FEET

N

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MMH - WEST BRANCH WOUND CARE FACILITY

2375 SOUTH M-30 WEST BRANCH, MI

ISSUED	
3/29/21	50% CD REVIEW
4/05/21	SITE PLAN APPROVAL
4/08/21	SITE PLAN APPROVAL

PROJECT NUMBER
E21-462

SHEET INFORMATION
DRAWN BY: B. NARTKER
CHECKED BY: K. ROYSTON
SCALE: 1" = 20'

SHEET TITLE
DRAINAGE PLAN

SHEET NUMBER
C6.0

WADE TRIM PROJECT #THC2070.01F

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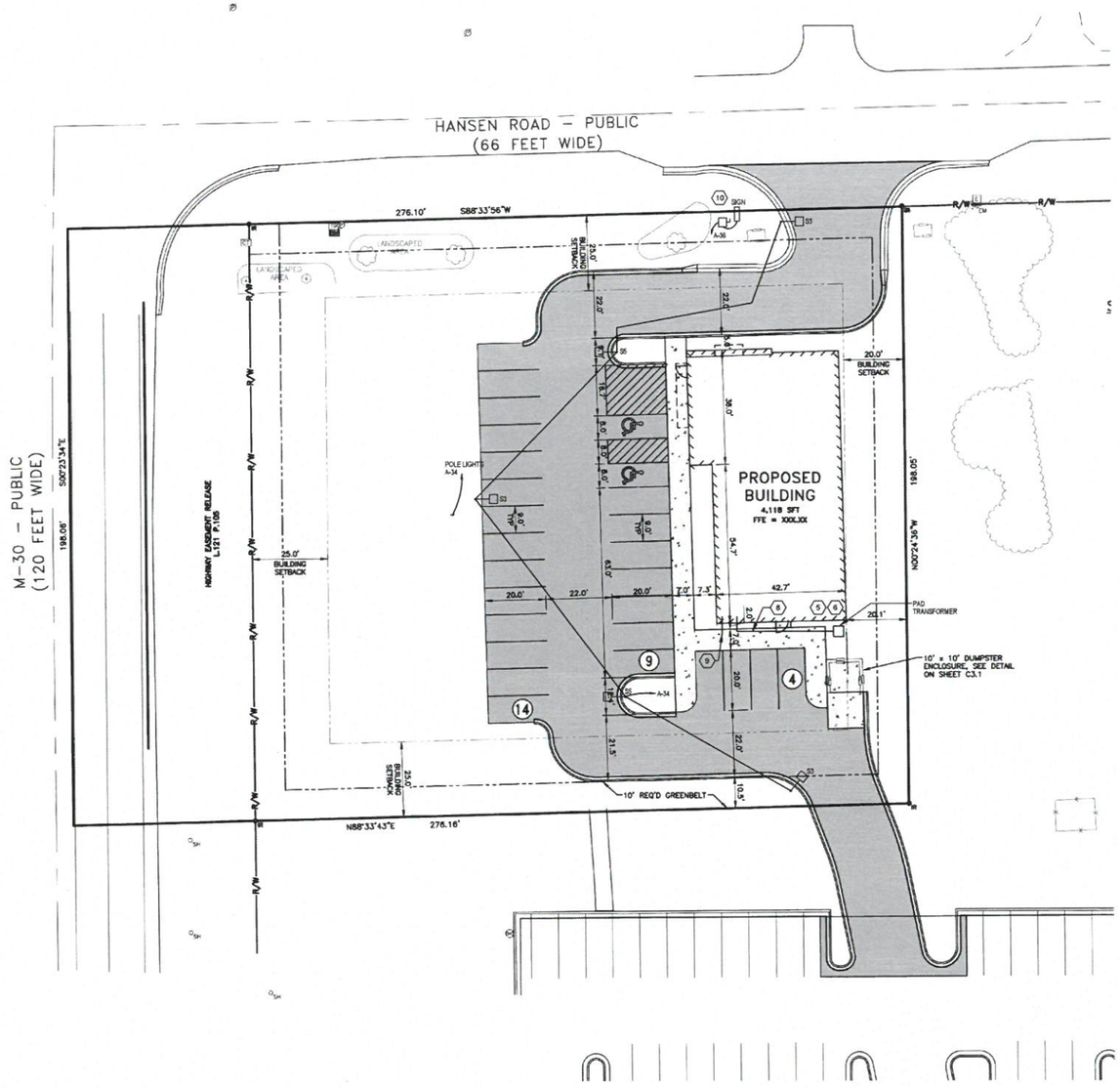
Know what's **below.**
Call before you dig.



SITE NOTES

1. COORDINATE PLACEMENT AND LOCATION OF NEW PAD MOUNTED TRANSFORMER WITH LOCAL UTILITY COMPANY. PROVIDE ANY SLEEVES, CONDUITS, PADS, GROUNDING, ETC., AS REQUIRED. PROVIDE CONDUIT AND WIRE FOR METERING.
2. NEW U.G. 8,320V PRIMARY FEED SUPPLIED AND INSTALLED BY THE UTILITY CO. COORDINATE AND INSTALL ANY SLEEVES OR CONDUIT AS REQUIRED.
3. RUN ALL EXTERIOR CONDUIT IN SCHEDULE 80PVC, MINIMUM 24" BELOW GRADE WITH A BURIED LINE MARKER ABOVE AT 6" BELOW GRADE.
4. SECONDARY CONDUIT FEEDER FROM NEW PAD MOUNTED TRANSFORMER TO BE RUN UNDER BUILDING FOOTINGS AND FOUNDATIONS AND THE VERTICALLY UP INTO PANEL 'A'. SEE SHEET E1.1.
5. PROVIDE SLEEVES FORM BELOW GRADE OUTSIDE THE BUILDING UP INTO THE MECH. ROOM FOR PHONE AND CABLE TV.
6. PROVIDE CONNECTION TO SIGN COMPLETE WITH NEMA 3R DISCONNECT.
7. PROVIDE A HOUSE SHIELD ON EACH PARKING LOT POLE AS NEEDED TO MINIMIZE LIGHT POLLUTION AND TO BLOCK LIGHT TRESPASSING ON TO NEIGHBORING PROPERTIES.

LIGHT FIXTURE

S3	LITHONIA DSX1 LED-P4-40K-T3M-MVOLT-PIRA-DDBXD OR EQUAL	LED	125	TYPE 3 DISTRIBUTION CUT-OFF LUMINAIRE ON 23 FT BRONZE ROUND POLE. 120 VOLT 4000K

SITE PLAN

SCALE : 1" = 20'-0"

NORTH

THREE RIVERS
CORPORATION

ECKERT-WORDELL
161 East Michigan Ave
Suite 200
Kalamazoo, MI 49007
PHONE: (269) 373-8000
FAX: (269) 373-5641

EW JOB # 2021-413

MMH - WEST BRANCH WOUND CARE FACILITY

2375 SOUTH M-30 WEST BRANCH, MI

ISSUED
04-07-21 100% CD REVIEW
04-08-21 SITE PLAN APPROVAL

PROJECT NUMBER
E21-462

SHEET INFORMATION
DRAWN BY:
CHECKED BY:
SCALE:

SHEET TITLE

SHEET NUMBER
E5.1