



Village of Hinsdale
19 E. Chicago Avenue
Hinsdale, IL 60521-3489
(630)789-7000

Village Website: www.villageofhinsdale.org

PUBLIC SERVICES UTILITY PERMIT APPLICATION - Permit Fee of \$100.00

Date of Application: 12/13/2022 Permit No: CROWN C-0004 Permit Expiration Date: 04/30/23

Utility Company Information:

Company Name: Crown Castle
Address: 3025 Highland Pkwy, Suite 400
City, State, Zip: Downers Grove, IL 60515
Contact Person: Steve Soto
Phone Number: 630-328-3578
Email Address: Steve.Soto@crowncastle.com
Cell Number: 630-328-3578
Project/Work Order Number: PH16_120 N Oak St Advent Health

Contractor Information:

Company Name: Electric Conduit Construction Company
Address: 816 Hicks Dr
City, State, Zip: Elburn, IL 60119
Contact Person: Steve Rosato
Phone Number: 630-387-7819
Email Address: srosato@electricconduitconstruction.com
Cell Number: 224-239-4334

PROJECT LOCATION: Along Garfield St from Walnut St to Maple St, and along Walnut street from Garfield St to Oak St

Description of work covered under this permit: Installation of cable in innrduct via directional bore (approximately 1,500 linear feet in Hinsdale ROW) and open cut trench (10 linar feet in Hinsdale ROW) connecting to additional installation on private property (details shown in attached plan set). Work will also include installation of 2 handholes, 3 handhole marker posts, and 1 quazite handhole.
Estimated Cost of construction - \$36,000

Start Date: 1/13/2023 **Completion Date:** 3/31/2023

Site Plan/Details/Specifications (3 sets) included with application? ☒ YES ☐ NO
Currently registered as a Utility Contractor with the Village of Hinsdale? contractor TBD ☒ YES ☐ NO
Engineer Estimate of Cost included with application? ☒ YES ☐ NO

Type of Utility: ☐ ComEd ☐ Nicor ☐ Comcast ☐ Water ☐ Sewer
☒ Communications: ☒ Fiber Optic ☐ Wireless ☐ Other:

Applicant Information:

Print Name: Jade A. Roush Phone Number: 630-230-3099
Company: HBK Engineering, LLC (OBO Crown Castle) Email Address: jroush@hbkengeering.com
Signature: Jade A. Roush Digitally signed by Jade A. Roush
Date: 2023.01.17 09:50:28 -0600 Date: 12/13/2022 - Revised 1/17/2023

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION IN EFFECT ON THE DATE OF PERMIT APPLICATION OF THE FOLLOWING: STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION & SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, AND THE VILLAGE OF HINSDALE SUBDIVISION ORDINANCES (Ord. 02007-73, 11-6-2007) AND ENGINEERING STANDARDS.

Village Use Only

Permit Approved: ☒ YES ☐ NO

Conditions for Approval/Reasons for Denial: RESTORE ALL DISTURBED AREAS WITHIN 14 DAYS OF COMPLETION. NOTIFY ALL LOCAL RESIDENTS 48 HOURS PRIOR TO START.

Approved By: Jade A. Roush A. DIAZ Date: 12/13/2022 - Revised 1/17/2023 2/1/23

MSA MUNICIPAL SERVICES ASSOCIATES, INC.

February 2, 2023

Mr. George Peluso
Director of Public Services and Engineering
Village of Hinsdale
19 East Chicago Avenue
Hinsdale, Illinois 60521

Dear George:

At the direction of the Village of Hinsdale, Municipal Services Associates, Inc. (MSA) has reviewed the plans submitted by Crown Castle ("Crown Castle") for installation of fiber optic cable innerduct conduit fiber optic cable, tracer wire, two (2) handholes and a Quazite handhole in the Village of Hinsdale Rights-of-Way along North Garfield Street, East Walnut Street, and termination at the north wall of the Koplin Emergency Trauma Center located at 120 East Oak Street.

The fiber optic cable segments will be installed in two (2) segments. The first segment will be a fiber pull through an innerduct conduit previously installed by Crown Castle. The fiber pull includes a strand of 48-count fiber optic cable and begins at a point in the south Right-of-Way west of the southwest corner of the intersection of East Maple Street and North Garfield Street. The fiber pull will cross North Garfield Street to the Right-of-Way on the east side of North Garfield Street. The fiber pull then crosses East Maple Street and extends north beneath the Right-of-Way to the southeast corner of North Garfield Street and East Walnut Street.

The second segment of the installation begins underground at the southeast corner of North Garfield Street and East Walnut Street. The fiber optic cable from the fiber pull will be installed in a proposed handhole at the intersection. From this point, one (1) strand of 48-count fiber optic cable will be encased in 1.25" innerduct along with a tracer wire. The innerduct starts underground from the handhole, then extending from that point east along the south Right-of-Way to a proposed handhole in the Right-of-Way at the southwest corner of East Walnut Street and North Park Avenue.

New innerduct, conduit, fiber optic cabling, and tracer wire will be extended east from the handhole to the southeast corner of the intersection of East Walnut Street and North Park Avenue. The final segment of the fiber optic cable installation will extend east for a distance of 264' (80.49 meters) to a proposed Quazite communications handhole, then southeast for a distance of 31' (9.45 meters) to the outer wall of the trauma center. Crown Castle intends to utilize open cut trenching for the segment between the proposed handhole and the trauma center wall.

3 Golf Center, # 311 • Hoffman Estates, Illinois 60169
TEL-847-882-7773 FAX-847-310-9275 MOBILE-847-867-6117
E-Mail: MSASchapman@cs.com
www.msatelecom.com

A 2" core will be excavated from the trauma center wall in order to accommodate the fiber optic cable innerduct. The distance of cabling and tracer wire is 1621' (494.21 meters) from North Garfield Street at East Walnut Street to the trauma center north wall. No aerial plant is proposed. The project and the recommendations of MSA are described below.

Existing Facilities: The fiber pull from East Maple Street to North Garfield Street and East Walnut Street will utilize innerduct conduit pipe previously installed by Crown Castle. Both segments of the project will utilize underground Right-of-Way by way of a combination of open cut trenching and underground boring.

Water and power lines are buried beneath the south Right-of-Way along East Maple Street where innerduct conduit is already buried, or is proposed for burial east of the Hinsdale Public Library. Power lines are buried along the east Right-of-Way of North Garfield Street, and sewer and water mains are buried in the Right-of-Way along the west Right-of-Way. The innerduct conduit will be located adjacent to existing underground gas utilities along East Walnut Street.

The plans do not identify aerial plant located along East Maple Street, however, telephone plant is buried in the Right-of-Way space along the north side of Maple Street. Aerial plant runs north and south along North Garfield, North Park, North Elm, and North Oak Streets. The proposed project will not interfere with the existing aerial plant.

The west end of the proposed fiber pull project will connect with an existing segment of Crown Castle innerduct that extends north and south along the east Right-of-Way along North Garfield Street. The proposed fiber pull will connect to Crown Castle's fiber network along North Garfield Street that extends into downtown Hinsdale.

Crown Castle stated in the plans that it will be the responsibility of the project's General Contractor to mark and identify specific utilities in the Rights-of-Way along the project route. Electrical, cable, and communications lines are typically buried at a depth of 48" (1.22 meters). The proposed Crown Castle conduit will be buried at a minimum depth of 42" (1.069 meters) with a maximum depth of 51" (1.298 meters).

Currently, the project is planned as a stand-alone fiber optic conduit and tracer wire installation. The proposed installation is primarily to be used as an "Enterprise" project for the Koplin Emergency Trauma Center at AdventHealth Hinsdale Hospital. Presently, it is not proposed for use as a small wireless facility backhaul network, or for a macrocell backhaul network, therefore, it is not subject to the FCC 2014 Authorization Order and is not subject to a "Shot Clock" period of review.

Proposed Project and Description

Crown Castle proposes to install a fiber pull of fiber optic cable, and tracer wire through innerduct previously installed by Crown Castle from a point beginning 140' (42.68 meters) west of the southwest corner of the intersection of East Maple Street and Garfield Street adjacent to the Hinsdale Village Hall parking lot. The fiber pull will cross East Maple Street to an existing handhole in the Right-of-Way along the west side of North Garfield Street. From this point, the fiber will be buried for a distance of 558' (170.12 meters) to the southeast corner of North Garfield Street at East Walnut Street.

Crown Castle proposes installation of a handhole with the dimensions of 36" (.916 meters) in height x 60" in width (1.53 meters) x 36" (.916 meters) in depth as an intersection point for the fiber optic cable and tracer wire run along East Walnut Street. From the location of the handhole, the innerduct line will run in an easterly direction for a distance of 598' (182.31 meters) beneath the sidewalk by way of directional boring on the south side of East Walnut Street, to a proposed communications handhole with the same dimensions (36"x 60"x 36") to be located at the southwest corner of East Walnut Street and North Park Avenue.

The fiber optic cable, a tracer wire, and innerduct conduit will continue beneath the Right-of-Way via directionally boring for a distance of 627' (191.16 meters). The fiber burial will cross a sidewalk 33' (10.06 meters) west of the southwest corner of East Walnut Street and North Elm Street by directionally boring. From the sidewalk, the innerduct conduit, fiber cable, and tracer wire will cross North Elm Street for a distance of 101' (30.79 meters) to a proposed Quazite communications handhole to be located at the southeast corner of North Elm Street and East Walnut Street. From the handhole, the innerduct conduit, fiber cable, and tracer wire will run underground by directionally boring for a distance of 264' (80.49 meters) to another Quazite handhole measuring 15.5" (.394 meters) in width, 25" (.636 meters) in length and 24" (.611 meters) in depth.

The final segment of innerduct conduit, fiber cable, and tracer wire will be buried in an open trench for a distance of 31' (9.45 meters) to the exterior wall of the trauma center building. A core will be drilled in the wall in order to provide an entry point for the fiber cabling. The total lengths of the innerduct conduit for the project are 1621' (494.21 meters) and 1632' (497.56 meters) of fiber optic cabling.

The proposed project requires the closing of sidewalks. Crown Castle has included proposed signage for the redirection of pedestrian traffic during the project. The project also will entail construction under the intersections of East Maple Street and North Garfield Street, North Garfield Street and East Walnut Street, East Walnut Street and North Park Avenue and North Elm Street.

Road Work, Road Construction Ahead, and worker silhouette signs will be posted along the conduit route as traffic control measures along the streets and at intersections. Crown Castle proposes to use cones, barricades, drums, and where appropriate, barrier walls, to direct traffic where lanes will be blocked by construction equipment. Sidewalk Closed signs should be placed where construction will necessitate the excavation of sidewalks.

Property restoration will include replacement of grass parkways with sod. Concrete and asphalt restorations will be performed to meet Village of Hinsdale standards for concrete pavements, pavements with an aggregate base and bituminous surfaces, or concrete pavements with bituminous overlays.

Project Purpose

The main purpose of Crown Castle's conduit installation project is to provide the housing for fiber optic cables that will connect its fiber network with AdventHealth Hinsdale Hospital, and particularly, its trauma center. The installation of the fiber optic lines on the north side of the hospital allow for extension of fiber service to facilities in the main hospital building and to sections of the hospital facing North Elm Street and East Walnut Street. The installation of fiber optic lines to the trauma center will provide high-speed video and data communications that will significantly enhance telemedicine applications and communications between the trauma center and other critical care facilities within the hospital itself.

Grounding: No grounding for the conduit pipe was proposed by Crown Castle and grounding of the conduit, fiber optic lines, and tracer wire is not necessary.

Requested Information of Applicant

After review of the plans by MSA, no further information was required to be provided by the applicant. Information concerning restoration of the Right-of-Way, a traffic control plan, and trenching specifications were provided by Crown Castle within its plan documents. Crown Castle has indicated that specific locations of utilities buried in the Rights-of-Way will be the responsibility of the General Contractor for the project. The identification of the contractor has not yet been identified. MSA recommends that the Village notify and require the contractor, when contractor information has been provided to the Village, to identify such utilities and provide the Village with plans showing the location of the proposed conduit along with that of the utilities, and to specify any relocation of such utilities that may be necessitated by the project.

FCC OET Bulletin 65 Appendix A Checklist: The proposed project does not include erection of an antenna array or construction of a cell tower or other similar structure. Therefore, the requirements for RF exposure and safety under FCC Office of Engineering and Technology (OET) Bulletin 65 Appendix A do not apply to the proposed project.

Structural Evaluation: No structural evaluation was required for this project as the proposed activities do not involve installation of the conduit on a pole, or other wireless support structure to the extent that such installation would necessitate an analysis of wind and ice on the installation, or resistance from wind shear.

Radio Frequency Interference Issues: The proposed project does not include the installation of radios or antennas that would emit frequencies that would possibly interfere with radio frequencies used by the Village. Therefore, no statement of “Good faith efforts” to avoid radio frequency interference with Village radio frequencies was requested for the proposed project.

Section 6409(a) - Spectrum Act - Applicability:

MSA has reviewed the Crown Castle application for the following scope of work along East Maple Street to North Garfield Street, from North Garfield Street to East Walnut Street, and from East Walnut Street past North Elm Street to an entry point at AdventHealth Hinsdale Hospital stated earlier in this report:

- Installation of three (3) handholes in the south Right-of-Way along East Walnut Street.
- Installation of 1621' (494.21 meters) of 1.25" HDPE innerduct conduit and 1632' (497.56 meters) of 48-strand fiber optic cabling and tracer wire.
- Installation of 31' (9.45 meters) of 2" innerduct, 48-strand count fiber optic cable, and tracer wire from a handhole north of the hospital trauma center building to a point along the wall of the trauma center that will be drilled and cored in order to allow entry of the fiber optic cabling.

MSA has reviewed the proposed project and plans in light of Section 6409(a), also known as the “Spectrum Act,” contained within the Middle Class Tax Relief and Job Creation Act of 2012. Section 6409(a), codified at 47 CFR §1.6100, and examined whether the proposed project is subject to the requirements of the Spectrum Act.

As stated earlier in this report, based on the proposed Scope of Work, the proposed project does not involve a wireless facilities operator, and, it does not constitute a Wireless Facility Modification as described within 47 CFR §1.6100, nor is the project proposed to involve a Wireless Facility as defined by the FCC. The proposed project does not involve the installation of an antenna array, small cell, base station, or collocation.

Although the proposed project does involve the installation of transmission equipment, (i.e., fiber optic cable and innerduct) the project does not include collocation, removal, or replacement of transmission equipment on an existing tower or base station(1).

Having reviewed the current project plans for this site, MSA's opinions as the Village's technology expert are as follows:

1. The instant project is not a "collocation of new transmission equipment" within the meaning of 47 CFR §1.6100(b)(2); and
2. The instant project does not include an "Eligible Support Structure" as defined by the Spectrum Act, and while the proposed project does incorporate the use of "Transmission Equipment" defined by the Act, it does not propose connection to an Eligible Support Structure in a manner that would place the project under the purview of the Act.

For the reasons discussed above and based on these conclusions, it is MSA's recommendation that the Village recognizes that the Spectrum Act rules indicate that the proposed project *is not* subject to the timeframes, requirements and conditions of the Spectrum Act. Therefore, the Village may either deny or approve the proposed project.

Recommendations

MSA recommends that the Village allow Crown Castle to proceed with the proposed project once the Village has been notified of the identity and contact information of its contractor. Further, the project should not proceed until the Contractor has provided any required information and security that are required per Village ordinance or policy to the Village.

Additionally, MSA recommends that Crown Castle and future installers of innerduct, conduit pipes and fiber optic cables include information on their plans and on the permit application that provide customer information, including contact name, telephone number, address, e-mail information, and where applicable, a website address. If the customer is different from the user, then similar information should also be provided for the intended user of the fiber optic cables. A brief statement of the purpose of the project should also be included on the project plans and permit application.

The availability of an additional fiber optic network will provide additional telecommunications resources. The addition of the fiber network will augment existing wired and wireless communications that allow for telemedicine, communications between the trauma center and various critical and intensive care facilities within the hospital, and medical facilities extant to the hospital.

(1) 47 CFR §1.6100(b)(3)(i-iii). "(3) *Eligible Facilities Request*. Any request for modification of an existing tower or base station that does not substantially change the physical dimensions of each such tower or base station, involving: (i) collocation of new transmission equipment; (ii) removal of transmission equipment; or (iii) replacement of transmission equipment."

5G Applicability: The proposed project will be a private network that will transmit data to AdventHealth Hinsdale Hospital. Based on the purpose of the project, MSA opines that the proposed project will not be used for a 5G network for small wireless facilities at this time, although the proposed fiber optic cables could serve as a portion of the backbone of a cellular network. As no information was provided regarding end user equipment, MSA is also unable to opine on the level of bandwidth frequencies that the network will utilize.

Permit Compliance: Contingent upon receiving its permit to proceed with construction, MSA recommends that Crown Castle or its contractor provide a statement indicating that it will comply with the insurance and security fund requirements found in the Village's Right-of-Way Ordinance (Ord. O2007-73, enacted November 6, 2007). If Crown Castle or the contractor elects to self-insure, it should provide evidence of its financial ability to self insure the insurance coverages and limits requirements of the ROW ordinance.

In addition, if it has not already done so, Crown Castle should indicate if any JULIE location marking has been conducted for installation of the underground conduit piping and its proposed handholes, along with the identity of the company that has performed the JULIE location marking. If marking has not yet been performed, Crown Castle should indicate when locate marking will be performed by the general contractor.

MSA recommends that the Village work with Crown Castle and its contractor to assure compliance with the Right-of-Way Ordinance, with special emphasis on property restoration that will result from the excavation of the handholes and trenching beneath the parkways, sidewalks, and streets, and that the contractor identifies utilities and provide the Village with plans showing the location of the proposed conduit along with that of the utilities, and to specify any relocation of such utilities that may be necessitated by the project.

Should the Village have any questions concerning this report, or if any additional background is needed, please contact me at your first opportunity.

Sincerely,

Stuart Chapman

Stuart Chapman, President
Municipal Services Associates, Inc.

cc: Kathleen Gargano, Village Manager, Village of Hinsdale
Rob McGinnis, MCP, Director of Community Development, Building
Commissioner, Village of Hinsdale
Al Diaz, Assistant Village Engineer, Village of Hinsdale



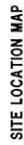
SEGMENT:	CR	NOTES:
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INDEX TO SHEETS

ENGINEER'S ESTIMATE OF MATERIALS

hbk

OWNER/DEVELOPER



THESE COMPANIES WILL LOCATE ON THE GROUND THE LOCATION OF ALL CONDUITS, DUCTS, UNDERGROUND PIPING, ETC., ADJOINING & CROSSING PROPOSED CONSTRUCTION.



NOTE:
ONLY PRINTS WITH A SIGNED SEAL ARE TO BE USED DURING CONSTRUCTION AND
CONSIDERED OFFICIAL COPIES. THESE PLANS ARE NOT TRANSFERABLE.

PROFESSIONAL ENGINEER
EXPIRES 11-30-2023

Lydia Selvan

SIGNATURE

12/08/2022

hbk

921 WEST VAN BUREN, SUITE 100
CHICAGO, IL 60607
PHONE (312) 432-0076 FAX (312) 432-0231
STATE OF ILLINOIS, DEPARTMENT OF PROFESSIONAL
REGULATION, LICENSE NO. 1846092308

REVISIONS

APPROVED BY	DESIGNED BY	APPROVED BY
JAG	CJP	SS

1 OF 12

PROJECT MANAGER: JENNIFER KERNBERG

LEGEND

PROPOSED TRENCHED CONDUIT

PROPOSED DIRECTIONAL BORE

PROPOSED COMMUNICATION MANHOLE

PROPOSED TRENCHED CONDUIT (CDDT REVIEW)

PROPOSED TRENCHED CONDUIT (PRIVATE REVIEW)

EXISTING 360 NETWORKS MANHOLE

EXISTING ADELPHIA MANHOLE

EXISTING AT&T LNS MANHOLE

EXISTING BROADBAND MANHOLE

EXISTING CATV MANHOLE

EXISTING COMCAST MANHOLE

EXISTING COMMUNICATIONS MANHOLE

EXISTING ENRON MANHOLE

EXISTING JOINT BUILD MANHOLE

EXISTING KDL MANHOLE

EXISTING LEVEL(3) MANHOLE

EXISTING LOOKING GLASS MANHOLE

EXISTING MCI MANHOLE

EXISTING MCOUSA MANHOLE

EXISTING MFW/ABOVE NET MANHOLE

EXISTING NEXTEL MANHOLE

EXISTING NEXTG MANHOLE

EXISTING PNET MANHOLE

EXISTING QWEST MANHOLE

EXISTING RCM MANHOLE

EXISTING SBC MANHOLE

EXISTING SPRINT MANHOLE

EXISTING SIDERA MANHOLE

EXISTING SUNEYS MANHOLE

EXISTING AT&T/SBC MANHOLE

EXISTING XO MANHOLE

EXISTING YIPES MANHOLE

EXISTING ZAYO MANHOLE

EXISTING WATER VALVE

EXISTING WATER METER

EXISTING WATER BUFFALO BOX

EXISTING FIRE HYDRANT

EXISTING FIRE OSTEEN MANHOLE

EXISTING SEWER MANHOLE

EXISTING CATCH BASIN

EXISTING INLET

EXISTING SEWER RISER

EXISTING SEWER VENT

EXISTING MWD MANHOLE

EXISTING UNICOM/THERMAL MANHOLE

EXISTING GAS MANHOLE

EXISTING GAS VALVE

EXISTING GAS CAP

EXISTING ELECTRIC MANHOLE

EXISTING TRAFFIC MANHOLE

EXISTING TRAFFIC HANDHOLE

EXISTING MISCELLANEOUS MANHOLE

EXISTING COMED MANHOLE

EXISTING CTA MANHOLE

EXISTING PARK DISTRICT MANHOLE

EXISTING BICYCLE RACK

EXISTING BOLLARD/POST

EXISTING COLUMN/SUPPORT

EXISTING CTA COLUMN FOUNDATION

EXISTING FIRE ALARM BOX

EXISTING FLAGPOLE

EXISTING GARBAGE CAN

EXISTING MAILBOX

EXISTING MONITORING WELL

EXISTING NEWS BOX

EXISTING PARKING METER

EXISTING PAYBOX

EXISTING PLANTER

EXISTING TELEPHONE PEDESTAL

EXISTING TRAFFIC LIGHT

EXISTING STREET LIGHT

EXISTING GROUND LIGHT

EXISTING SPRINKLER CONTROL VALVE

EXISTING STANDPIPE

EXISTING STREET LIGHT CONTROL BOX

EXISTING STREET SIGN

EXISTING RAILROAD SIGN/GATE

EXISTING ELECTRIC BOX

EXISTING TRAFFIC SIGNAL CONTROL BOX

EXISTING SHRUB

EXISTING TREE

EXISTING UTILITY POLE

360

AN

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EXISTING ABOVE/NET

EXISTING ADELPHIA

EXISTING AT&T LNS

EXISTING CABLE TV

EXISTING COMCAST

EXISTING COMMUNICATIONS

EXISTING FIBER OPTIC

EXISTING JOINT BUILD

EXISTING KDL

EXISTING LEVEL(3)

EXISTING LOOKING GLASS

EXISTING MCI/VERIZON

EXISTING MILE/LOC

EXISTING NEXTG

EXISTING QWEST

EXISTING RCM

EXISTING SBC

EXISTING SIDERA

EXISTING SUNEYS

EXISTING VERIZON

EXISTING XO

EXISTING YIPES

EXISTING ZAYO

ABANDONED CTA TRACKS/CONDUIT

EXISTING CROWN CASTLE

EXISTING COMED

EXISTING CONSTRUCTION FENCE

EXISTING ELECTRIC

EXISTING FENCE

EXISTING GAS

EXISTING GAS (DEAD)

EXISTING OVERHEAD ELECTRIC

EXISTING OVERHEAD TELEPHONE

EXISTING RAILING

EXISTING SANITARY SEWER

EXISTING STORM SEWER

EXISTING TELEPHONE

EXISTING UNICOM THERMAL

EXISTING WATER

EXISTING WATER (ABANDONED)

EXISTING CONDUIT (OTHER)

PROPERTY LINE

hbk
ENGINEERING

915 WEST VAN BUREN STREET, SUITE 100
CHICAGO, ILLINOIS 60607
STATE OF ILLINOIS REGISTRATION
OF PROFESSIONAL REGULATION
LICENSE NO. 114-081004

CONTRACT NO. 114-081004

CROWN
CASTLE

CONTRACTOR

TITLE:
FIBER OPTIC CONDUIT
INSTALLATION-CONNECTION
TO EXISTING ADJACENT
HEADEND BUILDING
HINDALE, ILLINOIS

REVISIONS

REV	DATE	DESCRIPTION	BY
01	1/20/2021	FOR REVIEW	JAG
02			
03			
04			
05			
06			
07			
08			
09			
10			
11			
12			

REVISION	DATE	DESCRIPTION	BY
JAG	CTP	SS	

PROJECT NUMBER: 22-0124

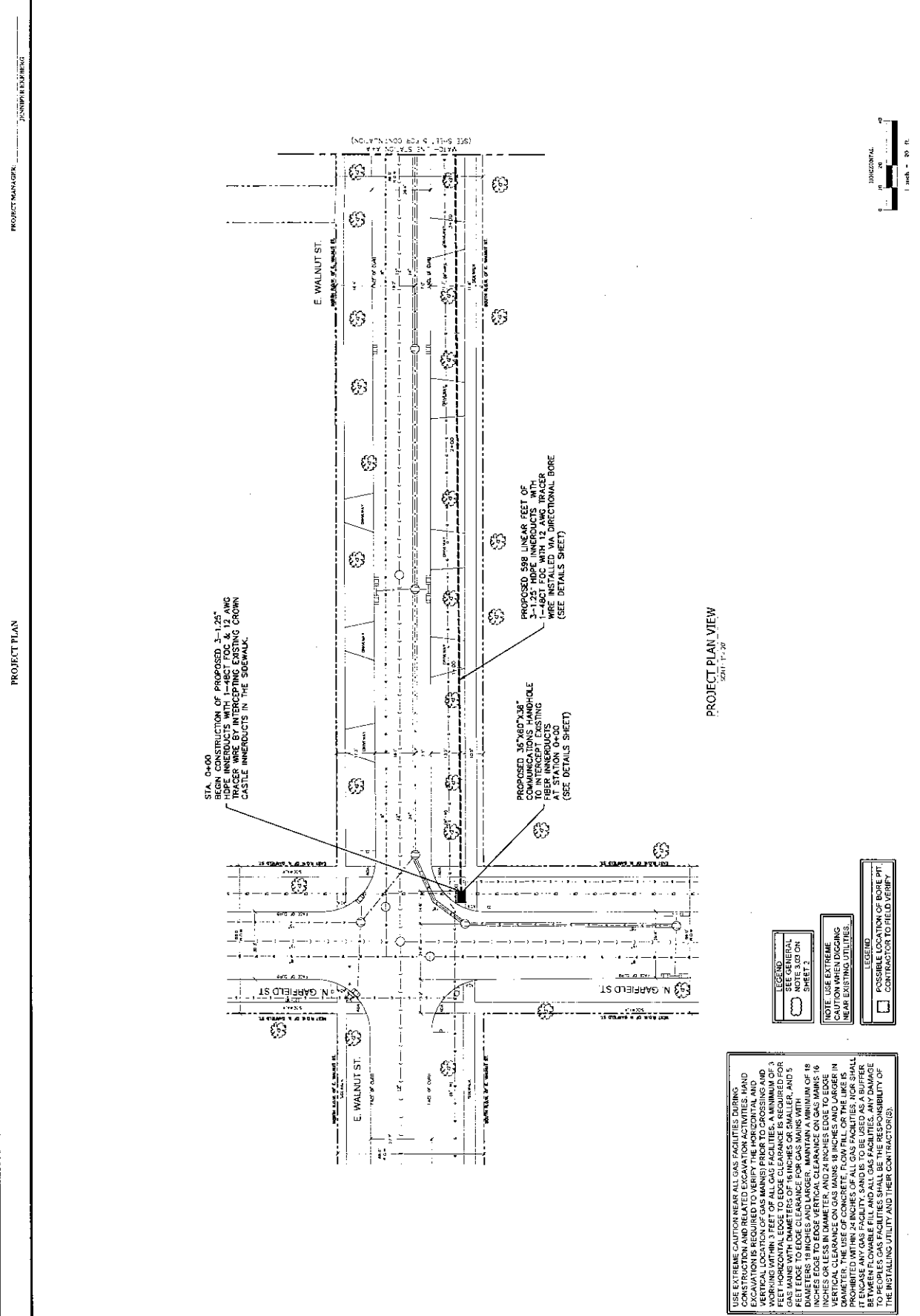
PROJECT NAME: CRC-DB-121

DATE ISSUED: N/A

DATE DRAWN: 11/22/2022

SCALE: N.T.S.

3 OF 12



PROJECT: CRC-DB-121

NOTES:

hbk
ENGINEERING

401 EAST WASHINGTON STREET, SUITE 100
CHICAGO, ILLINOIS 60601
STATE OF ILLINOIS REGISTRATION
OF PROFESSIONAL ENGINEER
LICENSE NO. 123456789

CROWN
CASTLE

CONTRACTOR

TITLE:

FIBER OPTIC CONDUIT
INSTALLATION
1200 N. OAK ST. ADJACENT
HEALTH INSURANCE HOSPITAL
HINSDALE, ILLINOIS

REVISIONS

NO.	DATE	DESCRIPTION	BY	CHKD.
1	01/15/2021	ISSUED FOR PERMIT	JH	
2	01/20/2021	REVISED FOR FIELD	JH	
3	01/25/2021	REVISED FOR FIELD	JH	
4	01/30/2021	REVISED FOR FIELD	JH	
5	02/05/2021	REVISED FOR FIELD	JH	
6	02/10/2021	REVISED FOR FIELD	JH	
7	02/15/2021	REVISED FOR FIELD	JH	
8	02/20/2021	REVISED FOR FIELD	JH	
9	02/25/2021	REVISED FOR FIELD	JH	
10	03/01/2021	REVISED FOR FIELD	JH	
11	03/05/2021	REVISED FOR FIELD	JH	
12	03/10/2021	REVISED FOR FIELD	JH	

PROJECT NUMBER: 22-0124

PROJECT NAME: CRC-DB-121

DATE: 01/15/2021

DATE: 01/20/2021

DATE: 01/25/2021

DATE: 01/30/2021

DATE: 02/05/2021

DATE: 02/10/2021

DATE: 02/15/2021

DATE: 02/20/2021

DATE: 02/25/2021

DATE: 03/01/2021

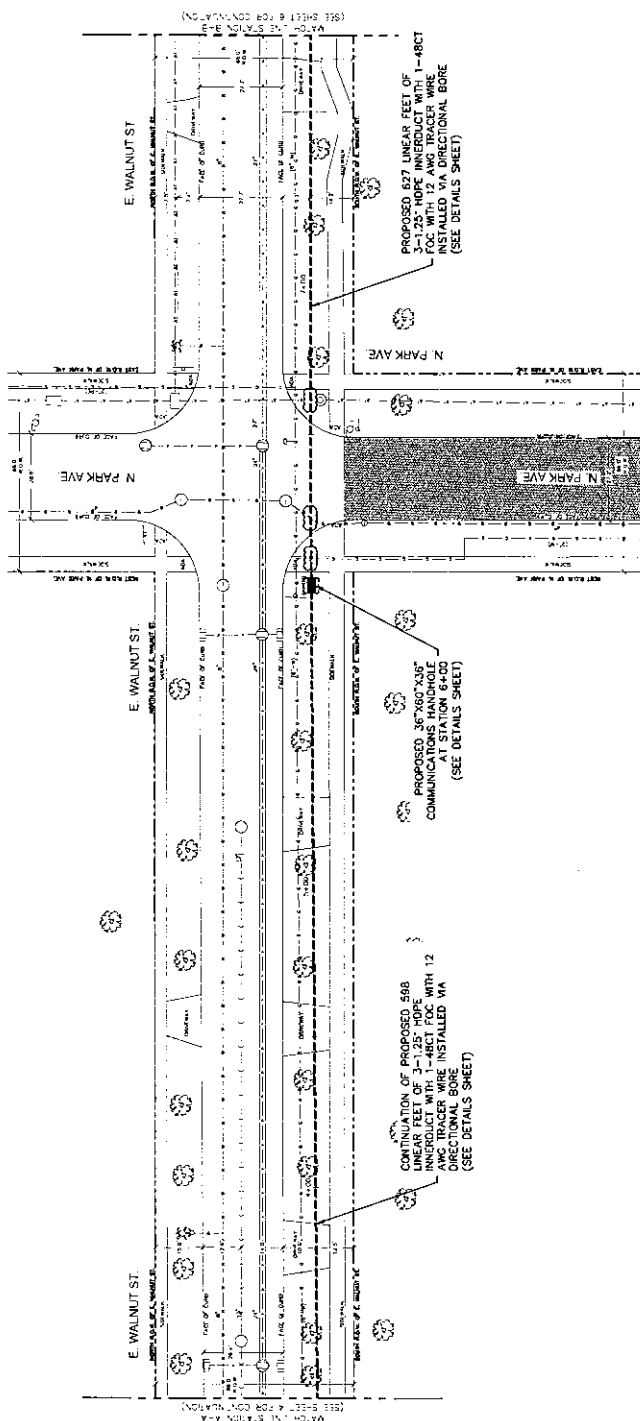
DATE: 03/05/2021

DATE: 03/10/2021

4 OF 12

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CLASSIFY	CLASSIFIED BY	DATE	SS
JAG	CJP	23-01-14	
		CRC-DB-121	
		N/A	
		11/22/2022	
		AS SHOWN	
			5 OF: 12

[illegible]


LEGEND
SEE GENERAL
NOTE 3.03 ON
SHEET 2

NOTE USE EXTREME CAUTION WHEN DIGGING NEAR EXISTING UTILITIES.

LEGEND

 POSSIBLE LOCATION OF BORE PIT,
CONTRACTOR TO FIELD VERIFY

LEGEND

 POSSIBLE LOCATION OF BORE PIT,
CONTRACTOR TO FIELD VERIFY



CRC-DB-121

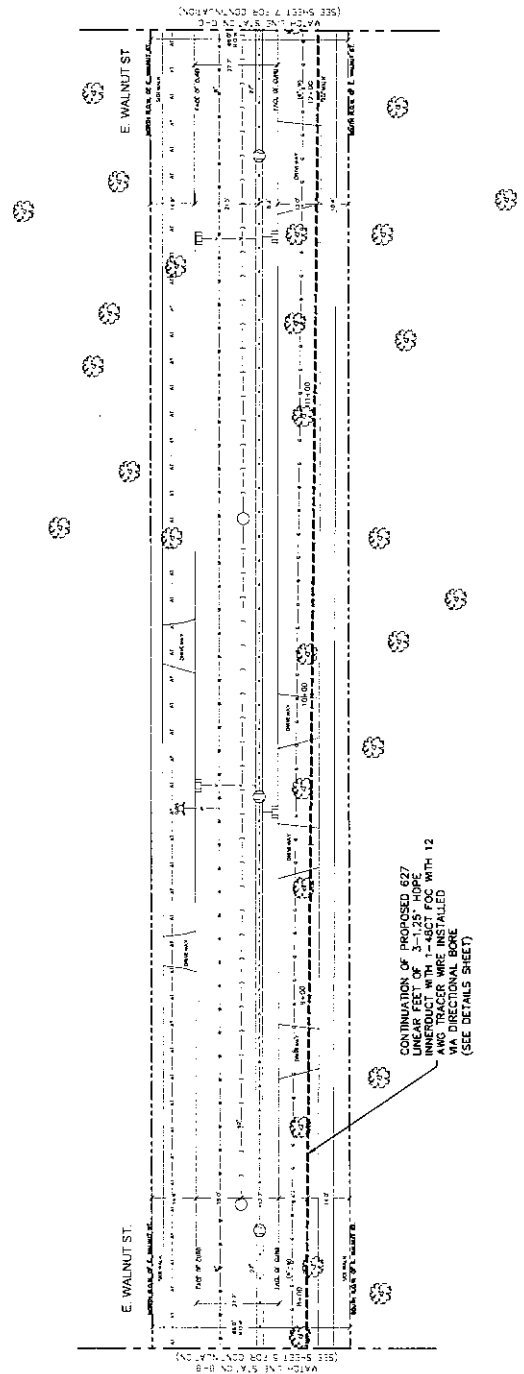
hbk
ENGINEERING
401 WEST VAN HORN STREET, SUITE 300
ST. LOUIS, MISSOURI 63101
STATE OF MISSOURI REGISTRATION
OF PROFESSIONAL ENGINEERS
LICENSE NO. 114,000

CROWN
CASTLE

TITLE: FIBER OPTIC CONDUIT
INSTALLATION-CONNECTION
TO EXISTING FIBER OPTIC
INFRASTRUCTURE AT
HEALTH HINDS HOSPITAL
HINDSDALE, ILLINOIS

REVISIONS	
NO.	DESCRIPTION
1	ISSUED FOR PERMIT
2	ISSUED FOR CONSTRUCTION
3	ISSUED FOR AS SHOWN

DESIGNED BY	JAG
CHECKED BY	SS
DATE	12-01-14
PROJECT NUMBER	CRC-DB-121
DATE OF REVISION	12/22/2012
BY	AS SHOWN



PROJECT PLAN VIEW
SCALE: 1\"/>

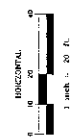
USE EXTREME CAUTION NEAR ALL GAS FACILITIES DURING CONSTRUCTION AND RELATED EXCAVATION ACTIVITIES. HAND EXCAVATION IS REQUIRED TO VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL GAS FACILITIES. A MINIMUM OF 3 FEET HORIZONTAL EDGE TO EDGE CLEARANCE IS REQUIRED FOR GAS MAINS WITH DIAMETERS OF 16 INCHES OR SMALLER, AND 5 FEET HORIZONTAL EDGE TO EDGE CLEARANCE IS REQUIRED FOR GAS MAINS 16 INCHES AND LARGER. MAINTAIN A MINIMUM OF 18 INCHES OR LESS IN DIAMETER, AND 24 INCHES EDGE TO EDGE VERTICAL CLEARANCE ON GAS MAINS 16 INCHES AND LARGER. MAINTAIN A MINIMUM OF 18 INCHES VERTICAL CLEARANCE ON GAS MAINS 16 INCHES AND LARGER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF ALL GAS FACILITIES. SAND IS TO BE USED AS A BUFFER BETWEEN FLOWABLE FILL AND ALL GAS FACILITIES. ANY DAMAGE TO THE INSTALLING UTILITY AND THEIR CONTRACTOR(S).

- LEGEND

SEE GENERAL NOTES ON SHEET 2
- NOTE: USE EXTREME CAUTION WHEN DIGGING NEAR EXISTING UTILITIES.
- LEGEND

POSSIBLE LOCATION OF EXISTING UTILITY

CONTRACTOR TO FIELD VERIFY



PROJECT MANAGER: JENNIFER LAURING

PULL PLAN

RENDERING



CRC-DB-121

hbk
ENGINEERING
101 WEST 14TH STREET, SUITE 100
CHICAGO, ILLINOIS 60604
STATE OF ILLINOIS DEPARTMENT
OF PROFESSIONAL REGULATION
LICENSE NO. 11404349

CROWN
CASTLE

TITLE: FIBER OPTIC CONDUIT
INSTALLATION CONNECTION
FROM EXISTING CONDUIT TO
HEALTH HINDALE HOSPITAL
HINDALE, ILLINOIS

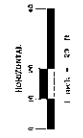
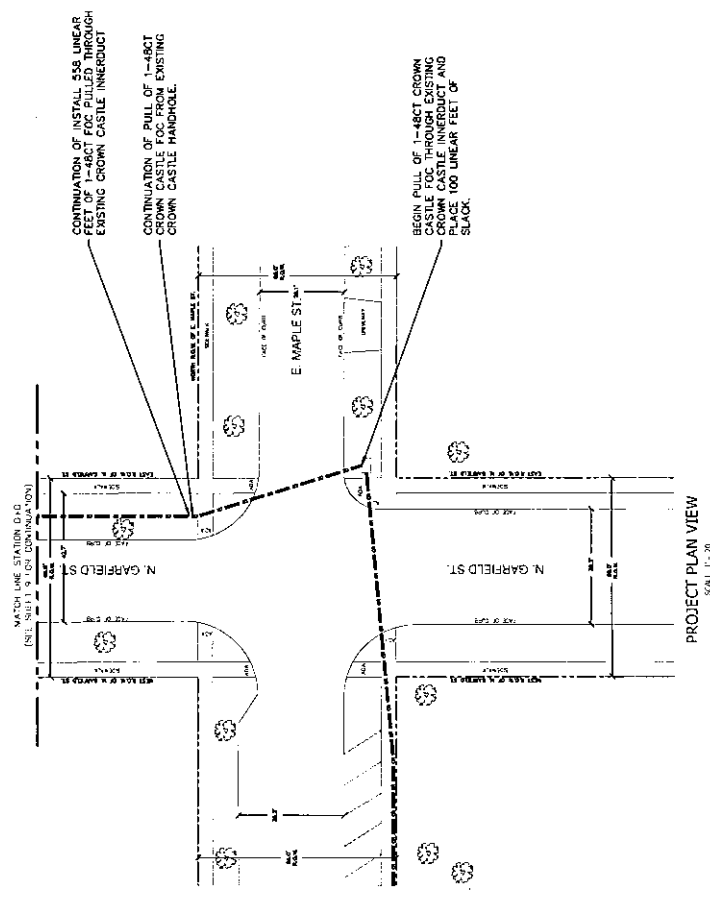
REVISIONS	
NO.	DESCRIPTION
1	ISSUED FOR PERMIT
2	ISSUED FOR PERMIT
3	ISSUED FOR PERMIT
4	ISSUED FOR PERMIT
5	ISSUED FOR PERMIT
6	ISSUED FOR PERMIT
7	ISSUED FOR PERMIT
8	ISSUED FOR PERMIT
9	ISSUED FOR PERMIT
10	ISSUED FOR PERMIT

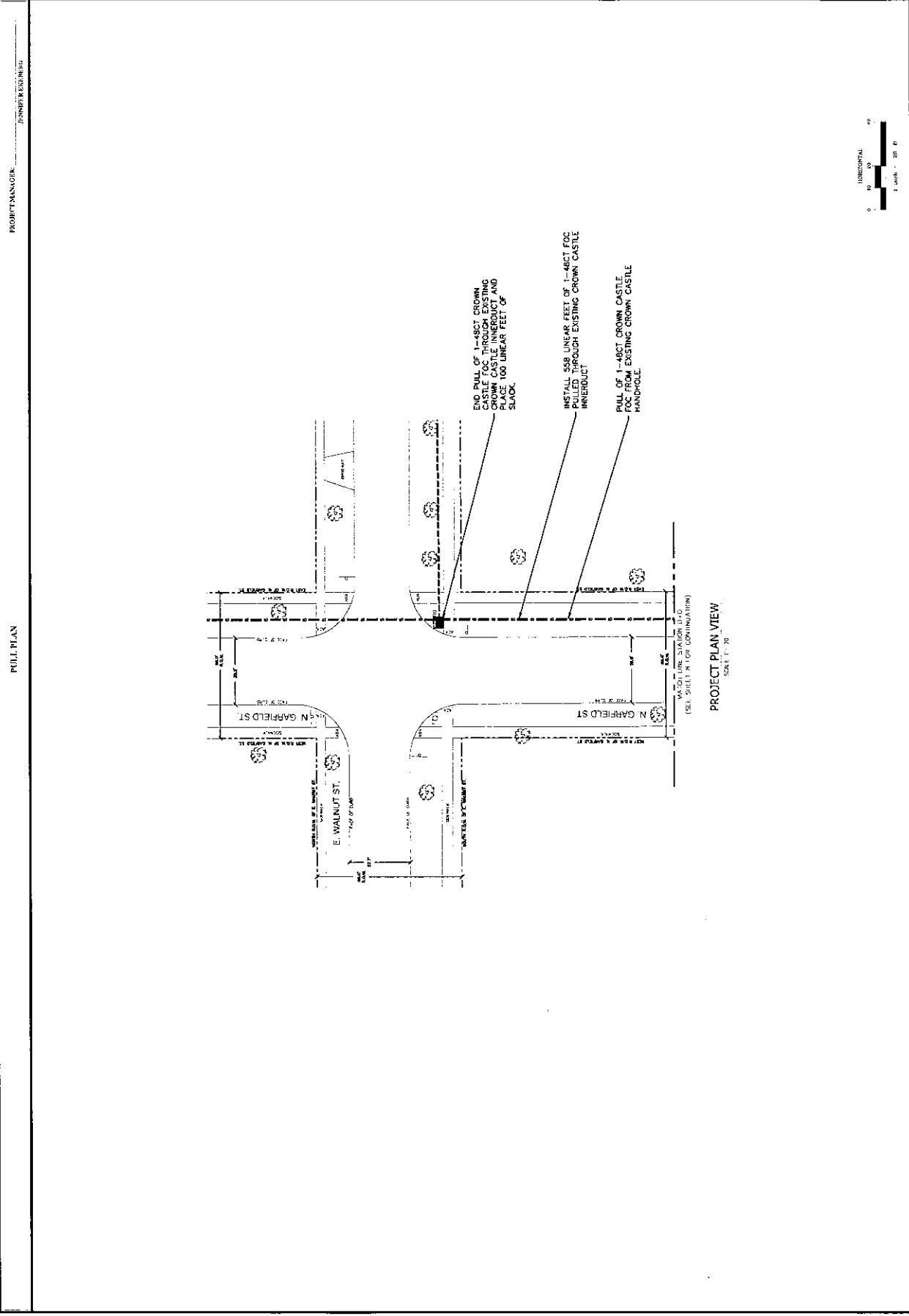
DESIGNED BY: JAG
CHECKED BY: CJP
DATE: 12/01/24

PROJECT NUMBER: CRC-DB-121
DRAWN BY: N/A
DATE: 11/22/2022

SCALE: AS SHOWN


8 OF 12





PROJECT MANAGER: JENNIFER K. ESKRIDGE

PULL PLAN



CRC-DB-121

hbk
ENGINEERING

307 N. WILSON AVENUE, SUITE 200
CHICAGO, ILLINOIS 60642
STATE OF ILLINOIS REGISTRATION
OF PROFESSIONAL ENGINEERING
LICENSE NO. 001-000-000

CROWN
CASTLE

CONTRACTOR

TITLE

FIBER OPTIC CONDUIT
INSTALLATION
120 N. OAK ST. ADJACENT
HEALTH HINSDALE HOSPITAL
HINSDALE, ILLINOIS

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	11/22/2022	ISSUED FOR PERMIT	JAG

PROJECT INFORMATION

PROJECT NUMBER: 22-0124
FILE NAME: CRC-DB-121
JOB NUMBER: N/A
DATE: 11/22/2022
DRAWN BY: JAG
CHECKED BY: SN

10 OF 12

STANDARD CONSTRUCTION DETAILS

PROJECT MANAGER: JENNIFER SANDERS

PROJECT NUMBER

CRC-DB-121

DATE

10/20/22

ENGINEER

hbk
ENGINEERING

100 WEST MADISON STREET, SUITE 100
CHICAGO, ILLINOIS 60601
STATE OF ILLINOIS DEPARTMENT
OF TRANSPORTATION
DIVISION OF BRIDGES

CONTRACTOR

CROWN
CASTLE

1000 N. LAKE STREET
CHICAGO, ILLINOIS 60610

TITLE

FIBER OPTIC CONDUIT
INSTALLATION CONNECTION
HEALTH HINSDALE HOSPITAL
HINSDALE, ILLINOIS

REVISIONS

NO.	DATE	DESCRIPTION	BY	APP.
1	10/20/22	ISSUED FOR BIDDING	JS	JS

PROJECT NUMBER

122-0124

PROJECT NAME

CRC-DB-121

LOCATION

NA

DATE ISSUED

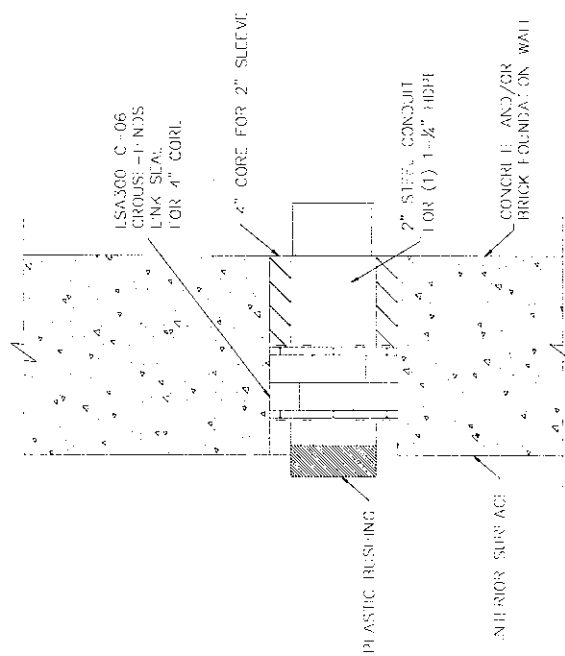
10/20/22

DATE

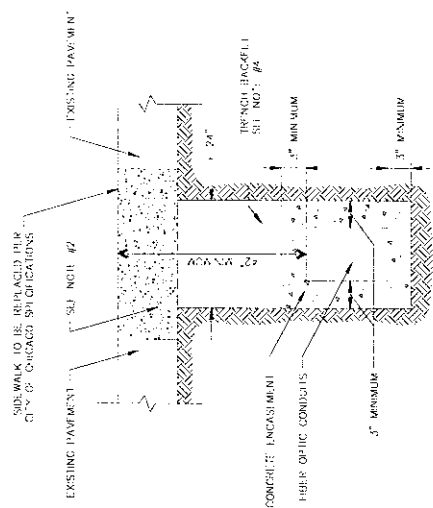
NTS

SHEET

11 OF 12



CONCRETE PENETRATION DETAIL



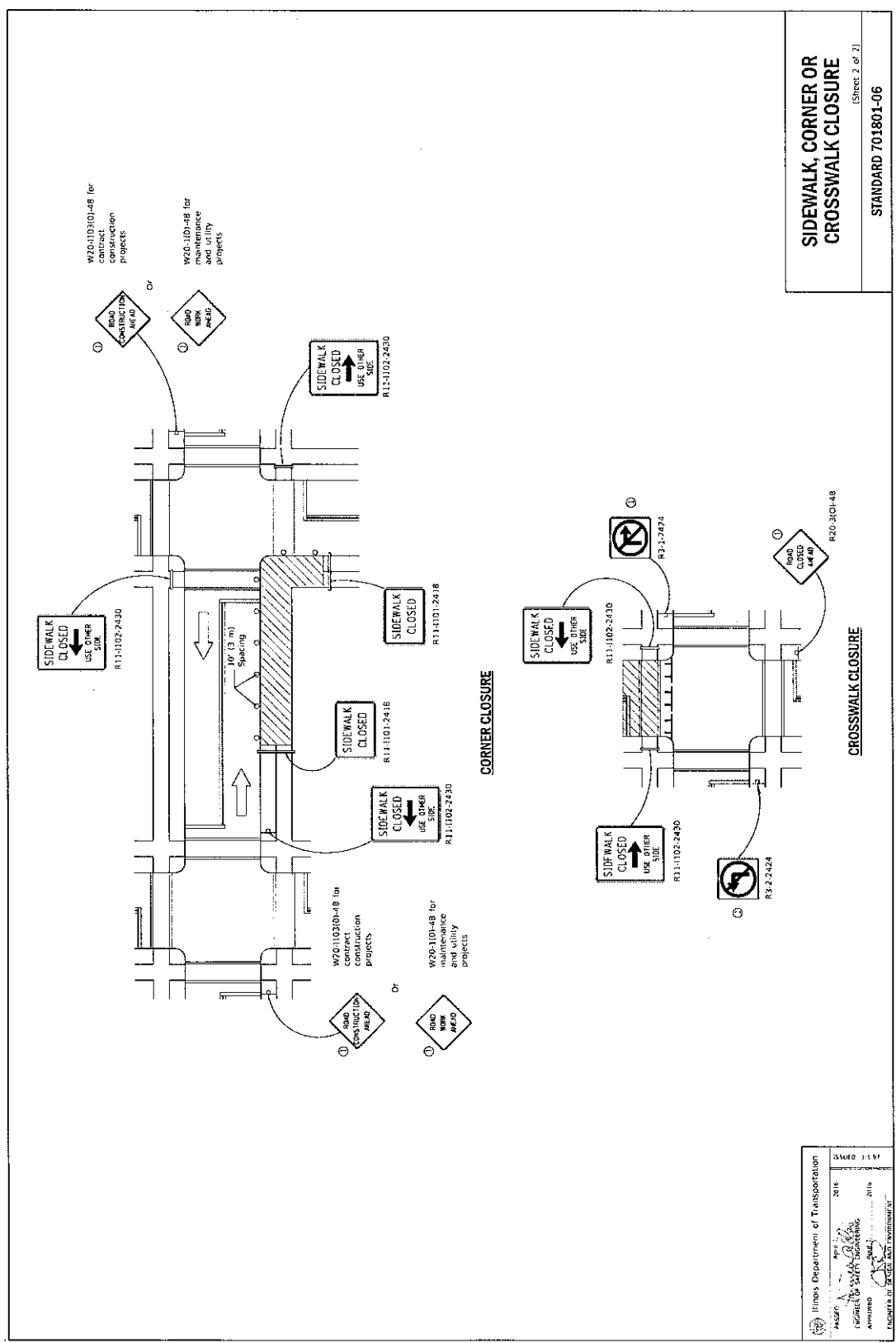
SIDEWALK REPLACEMENT DETAIL

- NOTES:
1. THE PORT AND GROUT CONCRETE BASE SHALL BE 9" OR MORE THICK FOR CONCRETE SURFACES, THE CONCRETE SHALL BE BROUGHT TO GRADE (INCLUDING THE T OVERLAY) AND FINISHED.
 2. ALL EXISTING PAVEMENTS SHALL BE CUT AT LEAST 5" DEEP OF THE EXISTING PAVEMENT OPENING UNDEVELOPED PAVEMENT, OR EXISTING SOIL MUST BE REMOVED AND PROPERLY RESTORED PER CITY OF CHICAGO SPECIFICATIONS.
 3. ALL ARBITRAL STREET PAVEMENTS WHICH HAVE BEEN RECONSTRUCTED IN THE LAST SEVEN YEARS WILL REQUIRE CONCRETE ENCASMENT, BACKFILL, AND FINISHING. A MINIMUM OF TWO DOUBLE BAYS WILL BE REQUIRED ON EACH SIDE OF THE SAW CUT ENCLOSURES.
 4. ALL TRENCH BACKFILL MATERIAL AND PROCEDURES FOR PLACEMENT MUST ADHERE TO THE REQUIREMENTS OUTLINED IN CHAPTER 5 OF THE "CHICAGO DEPARTMENT OF TRANSPORTATION REQUIREMENTS FOR OPENINGS, CONSTRUCTION AND REPAIR IN THE PUBLIC WAY," LATEST EDITION.

PROJECT MANAGER
JENNIFER EBERHART

TRAFFIC CONTROL PLANS

REVISIONS



Illinois Department of Transportation
APPROVED
2016
APR 12 2016
JENNIFER EBERHART
PROJECT MANAGER

SIDEWALK, CORNER OR CROSSWALK CLOSURE
(Sheet 2 of 2)
STANDARD 701801-06

CRC-DB-121
NORTH

hbk ENGINEERING
301 WEST PARK DRIVE, SUITE 100
CHICAGO, ILLINOIS 60606
STATE OF ILLINOIS DEPARTMENT
OF PROFESSIONAL REGULATION
LIC#00086001 TR-00000000

CROWN CASTLE

TITLE:
FIBER OPTIC CONDUIT
INSTALLATION
2018 OAK ST. ADVENT
HEALTH HINSDALE HOSPITAL
HINSDALE, ILLINOIS

REVISIONS	
NO.	DESCRIPTION
1	ISSUED FOR PERMIT
2	ISSUED FOR PERMIT
3	ISSUED FOR PERMIT
4	ISSUED FOR PERMIT
5	ISSUED FOR PERMIT
6	ISSUED FOR PERMIT
7	ISSUED FOR PERMIT
8	ISSUED FOR PERMIT
9	ISSUED FOR PERMIT
10	ISSUED FOR PERMIT

DESIGNED BY	JAG	CIP	NS
CHECKED BY	JAG	CIP	NS
PROJECT NUMBER	220124		
FILE NAME	CRC-DB-121		
DATE CHANGED	N/A		
DATE DRAWN	1/22/2012		
SCALE	N.T.S.		

TC4 of TC4