MCI

MCImetro
ACCESS TRANSMISSION SERVICES CORP.

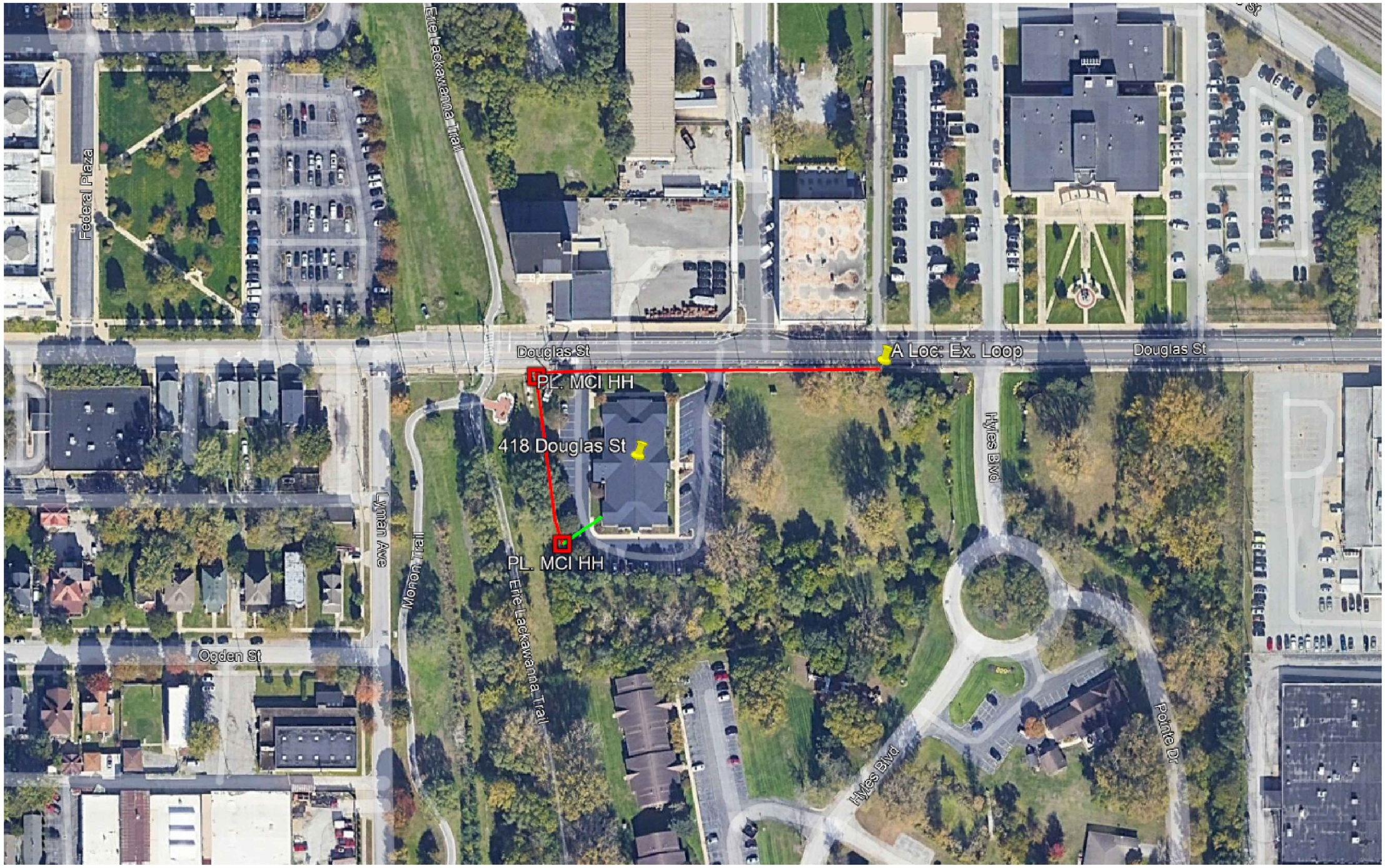
TM 2304CMAX 418 DOUGLAS ST.

HAMMOND, IN

418 DOUGLAS ST.

OUTSIDE/INSIDE PLANT CONSTRUCTION
FIBER OPTIC CABLE ROUTE
TKNS PROJECT #26855

TURNKEY
Network Solutions



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CAUTION

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CABLE AND INNERDUCT DESCRIPTION		
FIBER COUNT:	2000' 12ct EXTENDER	
INNERDUCT: PL. (1) 2" HDPE W/ TRACER WIRE		
LOCATION INFORMATION		
COUNTY:	LAKE	
CITY:	HAMMOND	
TOWNSHIP:	NORTH	
SECTION: 22	TOWN: 37N	RANGE: 10W

TM 2304CMAX 418 DOUGLAS ST.

DRAWN BY : RT – QAH	DATE: 05/17/2023
AS-BUILTS BY :	DATE:
ENGINEERED BY: BOB H.	DRAWING SCALE: NONE
DRAWING DESCRIPTION:	KEYMAP
JOB NUMBER:	26855
DRAWING NUMBER :	1 OF 1

Centerline
County/TWP/Sec Lines
Railroads
Right-of-Way
Roads (Asphalt or Gravel)
Fenceline
River/Stream
Aerial Fiber Optic Cable — XXct FOC
Buried Fiber Optic Cable
Water Line — WTR — WTR
Gas Line — GAS — GAS
Power — PWR — PWR
Sanitary Sewer — SAN — SWR
Storm Sewer — STM — SWR

WALL MOUNT TERMINATION	
B-BOARD:	YES/ NO
BOARD SIZE:	#
LOCATION:	XXX
PANEL TYPE:	XXX
PART #	XXX
PNL SIZE:	1U, 2U, ect.
PNL CAP:	12ct, 48ct, ect.
# OF TERM:	#
TERM STYLE:	Unicam/ Pigtail
CONN STYLE:	SC or ST
TERM PORTS TO:	# - #
EOC:	#

RACK MOUNT TERMINATION	
RR#:	#
LGX PANEL#	#
PANEL TYPE:	XXX
PART #	XXX
PNL LENGTH:	19" or 23"
PNL SIZE:	1U, 2U, ect.
PNL CAP:	12ct, 48ct, ect.
# OF TERM:	#
TERM STYLE:	Unicam/ Pigtail
CONN STYLE:	SC or ST
TERM PORTS TO:	# - #
EOC:	#

TRANSITION SPLICE	
TYPE:	Wall or Capsule
LOC:	HH, P-Box, etc.
#FOC:	
#FOC:	

Bridge

Transformer Profile

Street Light Profile

Street Light

Duct Diagram

PLACE (2) 1.25" HDPE INNERDUCTS WITH TRACER WIRE VIA DIRECTIONAL BORE. MINIMUM DEPTH OF 48"

Section 2

Section 4

Capacitor Pole
Push Pole
Transformer Pole
Metal Pole
ExistingCable Marker Sign
Existing Telephone Pole
Existing Power Pole
New Power Pole
Transmission Pole
Transmission Pole w/ Transformer
Pole ID — Pole # xxxxx xxxxx xxxxx xxxxx xxxxx
Bond to Existing Ground
Ground
Dead End
Culvert
House/Building
Handhole (Existing) HH (Proposed) HH
Manhole (Existing) MH (Proposed) MH
Existing Splice
Proposed Splice
Existing Storage Loop
Proposed Storage Loop
Road Markers — R/W
Span — 000'
Fiber Tag — XXct FOC
Overlash

Existing CATV Anchor
Proposed Anchor and Guy — PL A & G
Proposed Anchor and Guy With Johnny ball — PL A & G W/ J-BALL
Existing Power Anchor and Guy
Existing FOC Anchor
Proposed Sidewalk Anchor
Existing Sidewalk Anchor
Anchor 2 Power
Telephone Anchor
Riser
Pole to Pole Guy — PPG
Overhead Guy — OHG
Pedestal (Telephone)
Transformer — E
Gas Valve — G
R/W Marker
Sewer Manhole — S
Hydrant
Drain Basin
Catch Basin
Coil
Tree
Mile Marker — Mile Post 107
Proposed Bore Pit
Sidewalk

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TM 2304CMAX 418 DOUGLAS ST.

DRAWN BY : RT – QAH	DATE: 05/17/2023
AS-BUILTS BY :	DATE:
ENGINEERED BY: BOB H.	DRAWING SCALE: 1" = 50'
DRAWING DESCRIPTION:	SYMBOL SHEET
JOB NUMBER:	26855
DRAWING NUMBER :	1 OF 1

MCI Outside Plant FOCUS
*F*iber *O*ptic *C*able *U*ncovering *S*ystem

1) The title of this program, F.O.C.U.S., an acronym for Fiber Optic Cable Uncovering System was selected to remind everyone involved with working near MCI's active fiber optic systems to focus on protecting the facilities. If, during the course of the project, YOU notice any activity which may jeopardize the MCI OSP facilities, it is your duty to stop the work and re- FOCUS

2) FOCUS rules must be followed on all MCI projects involving work on or near MCI OSP facilities. Safety is MCI's number one priority; everyone must refrain from unsafe and improper practices.

3) Review of FOCUS is mandatory at every Pre-bid, Pre-construction, site meeting and daily tailgate meeting. FOCUS discussion must include site-specific history, unique problems, facility configurations that may be encountered, and past errors. "Those who do not learn from history are doomed to repeat it". Do not let this happen to you.

4) Any work near or requiring handling of MCI Outside Plant facilities can only be performed with an MCI employee or contract representative present -- **THIS MEANS OUT OF HIS OR HER VEHICLE AND DIRECTLY MONITORING THE WORK**. The representative must have a properly operating cable locator checked for accuracy every day prior to commencement of work (comparison of line and depth readings to actual line and depth of the cable).

5) Locate and Pothole Requirements.

- Prior to any excavation, the MCI employee or contract representative must verify the initial locate marks completed by MCI Operations. **Do not trust locate results completed by others!** The MCI or contract representative must locate the cable running line by making at least one pass in each direction. Locate results must then be compared with previous marks and the asbuilts.
- If the proposed work involves digging or excavating *within 3 feet* of the cable, the cable route will be marked continually with orange paint and supplemented by marker flags placed every 10 ft. The excavation contractor must pothole **(all potholes must be completed by hand digging or vacuum excavation)** a minimum of every 15 ft., then expose the entire length of the cable by hand digging or vacuum excavation.
- If the proposed work involves digging or excavating *within 5 feet (but not closer than 3 feet)* of the cable, the cable route will be marked continually with orange paint and supplemented by marker flags placed every 10ft. The excavation contractor must pothole the cable a minimum of every 15 ft.
- If the proposed work involves digging or excavating *within 15 feet (but not closer than 5 feet)* of the cable, the cable route will be marked continually with orange paint and supplemented by marker flags placed every 10 ft. The excavation contractor must pothole the cable a minimum of every 30 ft.
- The cable will also be potholed at any change in the running line of more than 1 ft. in any direction, anytime the accuracy of the electronic locate is questioned, or the marked running line does not match the as-builts.

6) Exposing Requirements.

- No mechanical excavation within 3 ft. of OSP facilities will be allowed unless the facilities have first been properly located, potholed, positively identified, continuously exposed by hand digging or vacuum excavation, and the facilities are clearly visible.
- In addition, mechanical excavation within three feet of OSP facilities requires onsite prior approval from MCI' s employee or contract representative.

7) Please refer to the latest edition of the MCI OSP Handbook for additional details . Know it and follow it.

Release 1.0

MCI Outside Plant Construction General Requirements

- All Federal, State and local safety regulations must be followed without exception.
- Personal protective equipment appropriate for the specific work site shall be used at all times. At a minimum, hard hat, safety shoes/steel toed boots and florescent orange or green work vest are required upon entering any MCI work site.
- Use of intoxicants, drugs, inhalants or any other substances that may impair alertness are strictly prohibited.
- Contractors are NOT allowed to cut any cable. Cables scheduled for removal will be cut by MCI Operations personnel, and only after verification that all traffic has been off-loaded.
- Extreme caution must be used at all times when working on or near active cables. An MCI employee or contract representative must approve and be present prior to and during all cable handling activities.
- Tools and equipment specifically designed for the job at hand are required. USE THE PROPER TOOL FOR THE JOB.
- Conduit work involving active cables requires specialized tools specifically designed to access ducts with active cables.
- Protecting MCI facilities IS EXTREMELY important; however, SAFETY regarding yourself and others is the most important part of any project.

Release 1.0

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TOWNSHIP:	NORTH	
SECTION: 22	TOWN: 37N	RANGE: 10W

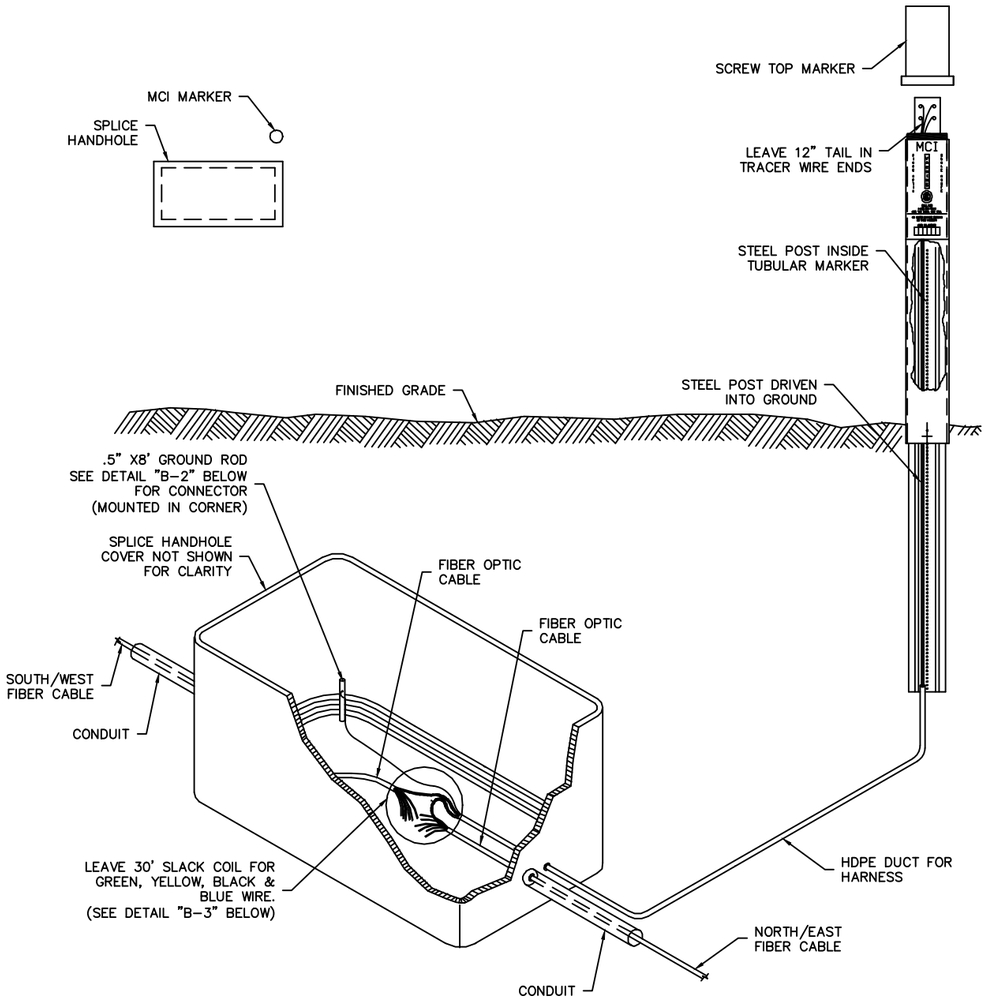
TM 2304CMAX 418
DOUGLAS ST.

DRAWN BY : RT – QAH	DATE: 05/17/2023
AS–BUILTS BY :	DATE:
ENGINEERED BY: BOB H.	DRAWING SCALE: NONE
DRAWING DESCRIPTION:	FOCUS SHEET
JOB NUMBER:	26855
DRAWING NUMBER :	1 OF 1

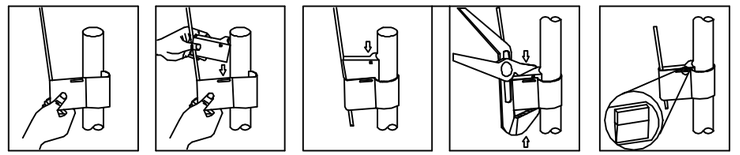
CABLE GROUNDING INSTALLATION DETAILS
(FOR CONTRACTOR INSTALLATION)

DETAIL "A"
PLAN VIEW

DETAIL "B"
INSTALLATION DETAIL
SCREW TOP MARKERS

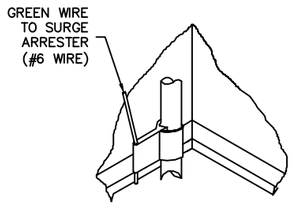


DETAIL "B-1"
C-LOK GROUND ROD
INSTALLATION METHOD



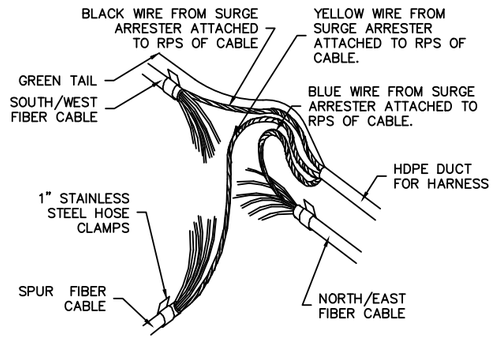
1. WITH GROUND WIRE IN SMALL GROOVE, HOOK "C" COMPONENT AROUND ROD.
2. INSERT WEDGE COMPONENT BETWEEN ROD AND WIRE.
3. PUSH WEDGE COMPONENT BETWEEN ROD AND WIRE TO SECURE ASSEMBLY.
4. COMPLETE CONNECTION USING PLIERS.
5. ENSURE SECURING LOCK IS VISIBLE IN "INSPECTION WINDOW".

DETAIL "B-2"
C-LOK CONNECTOR



NOTE:
SEE DETAIL "B-1" THIS SHEET FOR INSTALLATION METHOD.

DETAIL "B-3"
TEMPORARY GROUNDING
(INCLUDING SPUR CABLE)



NOTE:

1. OPS CONTRACTOR SHALL INSTALL THE FOLLOWING MCI FURNISHED MATERIALS:
   - STEEL WARNING SIGN POST (1)
   - TUBULAR MARKED WITH HARDWARE (1)
   - SPLICE HANDHOLE
   - SURGE ARRESTER HANDHOLE
   - GROUND ROD AND FIGURE 8 CONNECTOR
   - PULL WIRE HARNESS FROM SURGE ARRESTER HANDHOLE TO SPLICE HANDHOLE
2. THE CONTRACTOR WILL FURNISH AND INSTALL THE HDPE, LENGTH AS REQUIRED PER THE DRAWING SUPPLIED.
3. ALL MCI AND CONTRACTOR FURNISHED MATERIALS SHALL BE IN PLACE PRIOR TO PLACEMENT OF THE FIBER OPTIC CABLE, AT WHICH TIME THE TEMPORARY GROUND CONNECTION WILL BE MADE IN ACCORDANCE WITH DETAIL "A".
4. AFTER CONNECTION OF THE TEMPORARY GROUND, THE CONTRACTOR SHALL SEAL THE ENDS OF THE FIBER OPTIC CABLE TO PREVENT THE ENTRY OF MOISTURE.
5. AFTER INSTALLATION OF THE FIBER OPTIC CABLE AND WIRING HARNESS BY THE CONTRACTOR, THE CONTRACTOR SHALL SEAL ALL DUCT LINE OPENINGS WITH MCI APPROVED MATERIAL TO PREVENT THE ENTRY OF MOISTURE.
6. MARKER AND SURGE ARRESTER HANDHOLE SHOULD BE PLACED IN LINE WITH THE NORTHERN CORNER OF THE SPLICE HANDHOLE FOR NORTH/SOUTH ROUTES, THE EASTERN CORNER OF THE SPLICE HANDHOLE FOR EAST/WEST ROUTES.
7. TEMPORARY GROUNDING MEASURES STRIPPING APPROXIMATELY THREE INCHES OF POLYETHYLENE COATING FROM EACH CABLE, EXPOSING THE METALLIC SHEATH, AND CONNECTING THE APPROPRIATE WIRE FROM THE SURGE ARRESTOR TO THE CABLE UTILIZING A ONE INCH, STAINLESS STEEL, HOSE CLAMP (CONTRACTOR SUPPLIED).
8. SURGE ARRESTER HANDHOLE TO BE FLUSH MOUNTED OR WITH MAXIMUM 12" COVER.

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DRAWING DESCRIPTION:	CABLE GROUNDING
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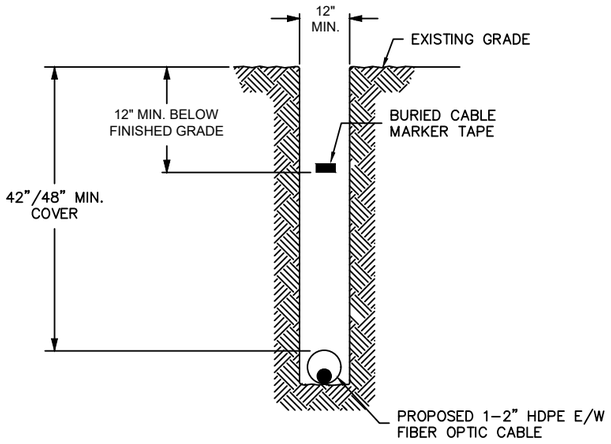
CONSTRUCTION DETAILS

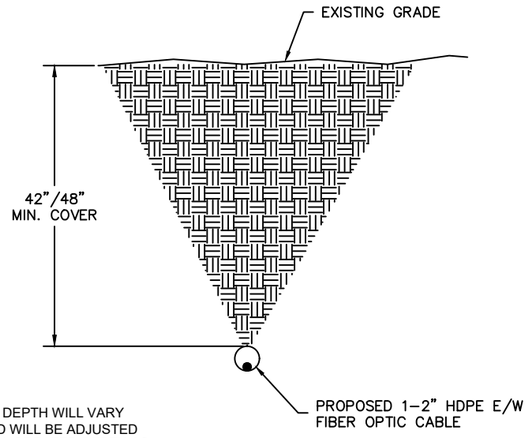
TYPICAL DETAIL "A"

TRENCH & PLACE CONDUIT
1-2" HDPE 42"/48" DEPTH



TYPICAL DETAIL "B"

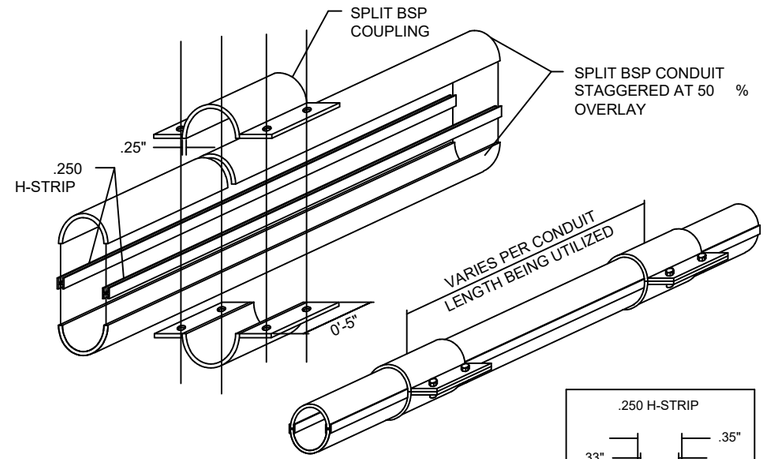
DIRECTIONAL BORE CROSS SECTION
FOR 1-2" HDPE 42"/48" DEPTH

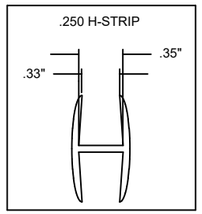


NOTE: DEPTH WILL VARY AND WILL BE ADJUSTED TO A GREATER DEPTH AS EXISTING UTILITIES ARE LOCATED AND DEPTHS ARE PROVIDED BY LOCATOR.

TYPICAL DETAIL "C"

PLACE SPLIT BSP E/W COUPLING

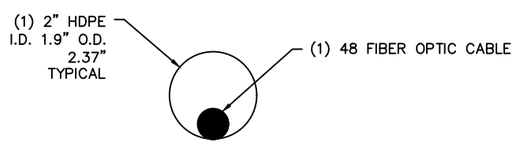




NOTES:
1. FLEXIBLE POLY H-STRIP EQUIVALENT TO OSBURN .250 H-STRIP.
2. UTILIZE A 50% OVERLAY DURING PLACEMENT OF THE SPLIT CONDUIT TO INSURE INTEGRITY OF THE CONDUIT RUN.

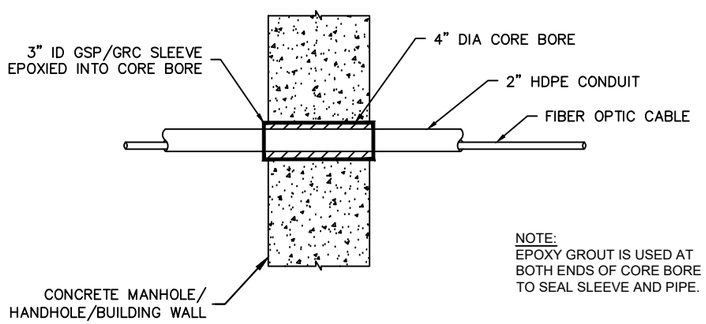
TYPICAL DETAIL "D"

CROSS SECTION OF PROPOSED
HDPE/EXISTING I.D./PROPOSED EMT



TYPICAL DETAIL "E"

CONDUIT PENETRATION DETAIL



NOTE:
EPOXY GROUT IS USED AT BOTH ENDS OF CORE BORE TO SEAL SLEEVE AND PIPE.

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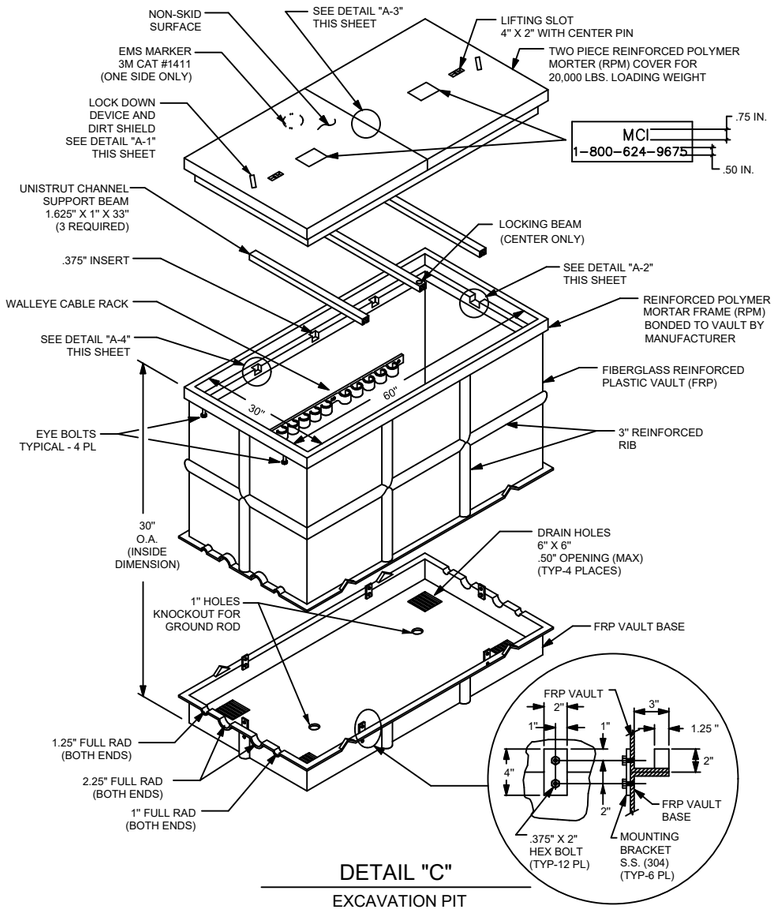
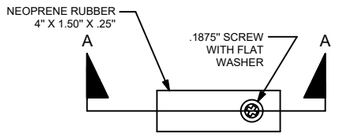
2.5' x 5' x 2.5' SPLIT HANDHOLE DETAILS

DETAIL "A"
DESCRIPTION

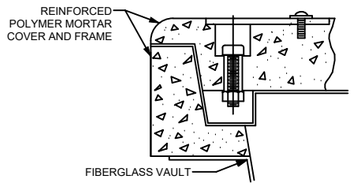


DETAIL "C"
EXCAVATION PIT

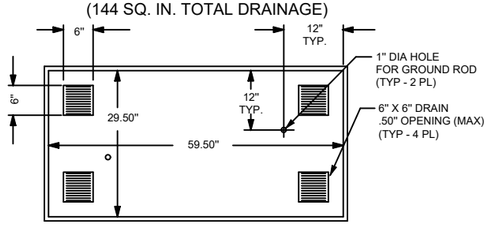
DETAIL "A-1"
LOCK DOWN DEVICE



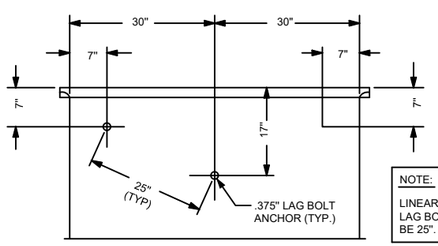
SECTION A-A
LOCKING DEVICE CROSS SECTION



DETAIL "B"
VAULT BOTTOM PLAN VIEW
(144 SQ. IN. TOTAL DRAINAGE)

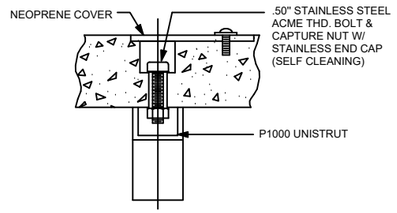


DETAIL "D"
SIDE WALL VIEW
INSIDE LOOKING OUT

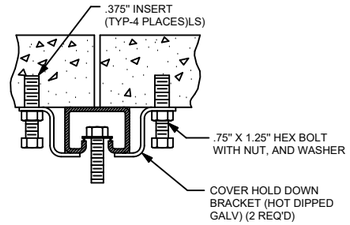


NOTE:
LINEAR DISTANCE BETWEEN LAG BOLT ANCHORS MUST BE 25".

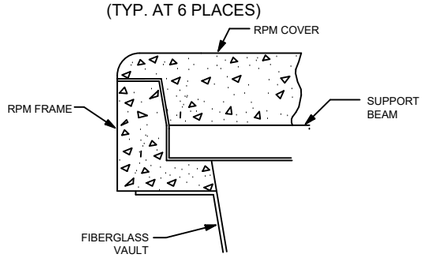
DETAIL "A-2"
ENGAGED LOCK DOWN DEVICE



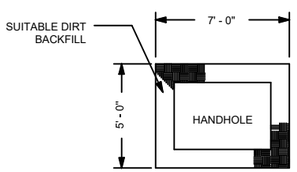
DETAIL "A-3"
COVER HOLD DOWN BRACKET OF 2-PIECE RPM COVER



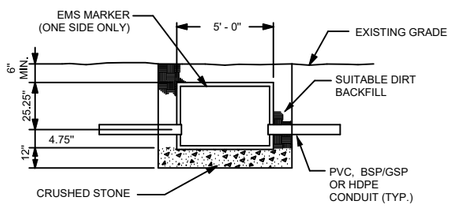
DETAIL "A-4"
SUPPORT BEAM INSTALLATION
(TYP. AT 6 PLACES)



PLAN



PROFILE



NOTES:
1. VOID IN EXCAVATED AREAS TO BE BACKFILLED WITH SELECT MATERIAL.
2. BOTTOM OF EXCAVATED PIT TO BE BACKFILLED WITH 12" OF CRUSHED STONE (.75" GRADE).
3. SHORING WILL BE REQUIRED.
4. ALL HANDHOLES SHALL BE PLACED BELOW EXISTING GRADE.
5. THIS HANDHOLE IS OF FIBERGLASS MATERIAL, APPROXIMATELY POUNDS IN WEIGHT. THE LIDS ARE POLYMER CONCRETE MATERIAL, EACH APPROXIMATELY POUNDS.

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ACCESS TRANSMISSION SERVICES CORP.

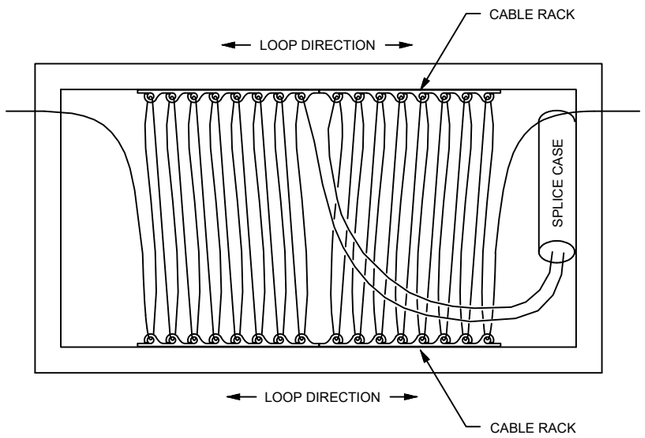
CABLE AND INNERDUCT DESCRIPTION		
FIBER COUNT:	2000' 12ct EXTENDER	
INNERDUCT: PL. (1) 2" HDPE W/ TRACER WIRE		
LOCATION INFORMATION		
COUNTY:	LAKE	
CITY:	HAMMOND	
TOWNSHIP:	NORTH	
SECTION: 22	TOWN: 37N	RANGE: 10W

TM 2304CMAX 418 DOUGLAS ST.

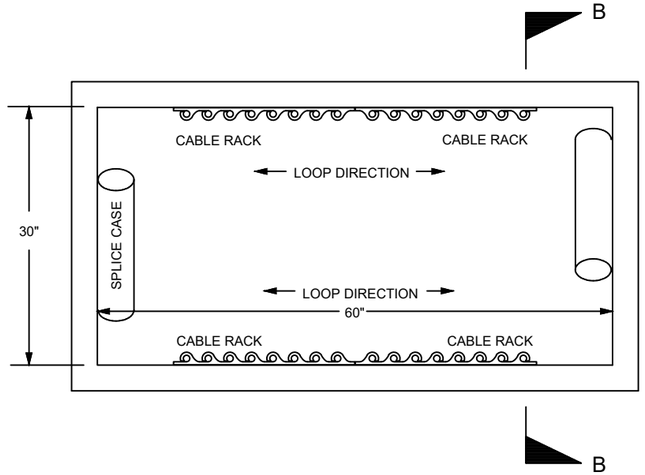
DRAWN BY : RT – QAH	DATE: 05/17/2023
AS-BUILTS BY :	DATE:
ENGINEERED BY: BOB H.	DRAWING SCALE: NONE
DRAWING DESCRIPTION:	SPLIT HANDHOLE
JOB NUMBER:	26855
DRAWING NUMBER :	1 OF 1

HANDHOLE SLACK STORAGE DETAILS

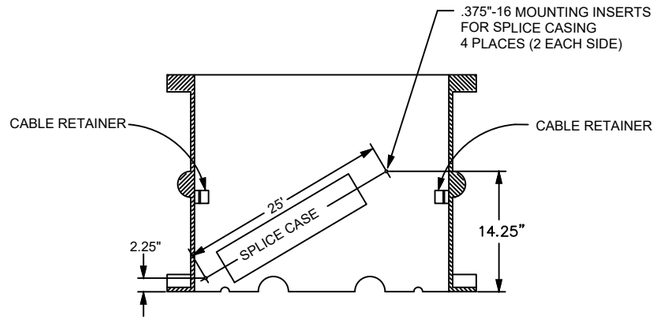
DETAIL "A"
CABLE SLACK ARRANGEMENT



DETAIL "B"
HANDHOLE LAYOUT



SECTION B-B



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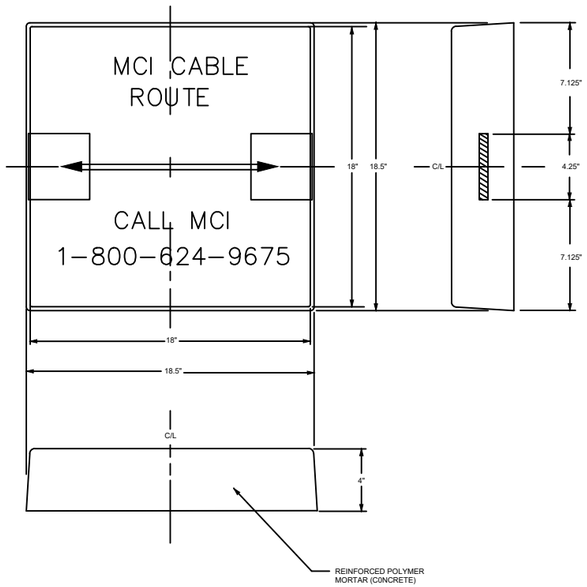
TOWNSHIP:	NORTH	
SECTION: 22	TOWN: 37N	RANGE: 10W

TM 2304CMAX 418 DOUGLAS ST.

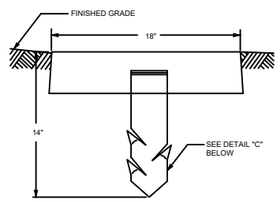
DRAWN BY : RT – OAH	DATE: 05/17/2023
AS-BUILTS BY :	DATE:
ENGINEERED BY: BOB H.	DRAWING SCALE: NONE
DRAWING DESCRIPTION:	HANDHOLE SLACK
JOB NUMBER:	26855
DRAWING NUMBER :	1 OF 1

FLAT MARKER DETAILS

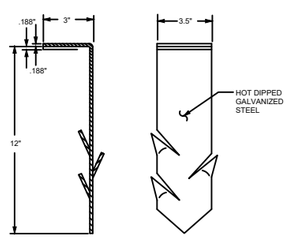
DETAIL "A"
ORTHOGRAPHIC VIEW



DETAIL "B"
PROFILE VIEW

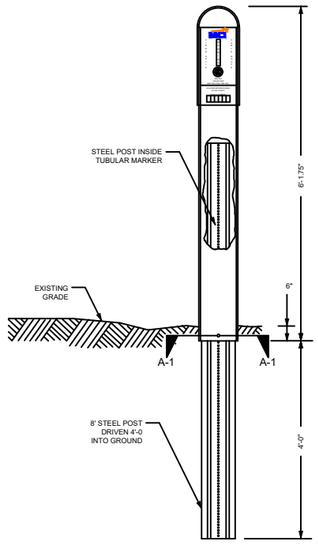


DETAIL "C"
ENLARGEMENT DETAIL

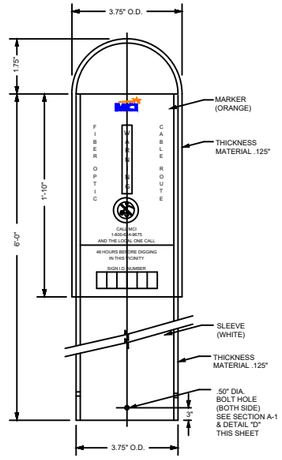


TUBULAR MARKER DETAILS

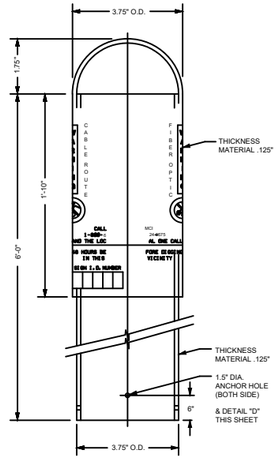
DETAIL "A"
INSTALLATION VIEW



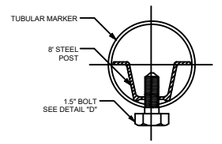
DETAIL "B"
FRONT VIEW



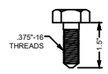
DETAIL "C"
SIDE VIEW



SECTION A-1
TUBULAR MARKER



DETAIL "D"
1.5" BOLT



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CABLE AND INNERDUCT DESCRIPTION		
FIBER COUNT:	2000' 12ct EXTENDER	
INNERDUCT: PL. (1) 2" HDPE W/ TRACER WIRE		
LOCATION INFORMATION		
COUNTY:	LAKE	
CITY:	HAMMOND	
TOWNSHIP:	NORTH	
SECTION: 22	TOWN: 37N	RANGE: 10W

TM 2304CMAX 418 DOUGLAS ST.

DRAWN BY : RT – QAH	DATE: 05/17/2023
AS-BUILTS BY :	DATE:
ENGINEERED BY: BOB H.	DRAWING SCALE: NONE
DRAWING DESCRIPTION:	MARKER DETAIL
JOB NUMBER:	26855
DRAWING NUMBER :	1 OF 1

LABOR

BID UNIT	DESCRIPTION	UNIT	QTY
BDC-050	MOBILIZATION FEE	EACH	1
BDC-105	CONSTRUCTION - NEW UNDERGROUND HDPE (SIZE 18MM UP TO 2")(BORE)	FOOT	659
BDC-108	CONSTRUCTION - REMOVE & REINSTATE CONCRETE	SQFT	150
BDC-111	CONSTRUCTION - PLACE HANDHOLE - SMALL (17x30)	EACH	1
BDC-112	CONSTRUCTION - PLACE HANDHOLE - MEDIUM (24x36)	EACH	1
BDC-200	CONSTRUCTION - INTERCEPT EXISTING CONDUIT	EACH	1
BDC-300	CONSTRUCTION - CABLE PLACEMENT	FOOT	894
BDC-503	INSTALL IN-BUILDING INNERDUCT	FOOT	10
BDC-600	BACKBOARD MATERIAL	SQFT	9
BDC-707	SPLICING/TESTING (LOOSE TUBE) ≤ 12	FIBER	4
BDC-721	SET UP NEW SPLICE CLOSURE (RIBBON OR LOOSE TUBE) > 288 FOC	EACH	1
BDC-800	TERMINAL PLACEMENT	EACH	2

MATERIALS

MMID#	DESCRIPTION	UNIT	QTY
10823092	CONDUIT - 2" HDPE SDR11 TAPE	FOOT	659
10798724	2000' 12ct EXTENDER	EACH	1
10865192	24x36x36 HANDHOLE ASSEMBLY	EACH	1
10836719	17x30x24 HANDHOLE ASSEMBLY	EACH	1
10796656	600-D SPLICE ENCLOSURE	EACH	1
10796386	SPLICE TRAY	EACH	1
10802100	TRACER WIRE	FOOT	689
10798807	12ct OPTITIP TERMINAL	EACH	1

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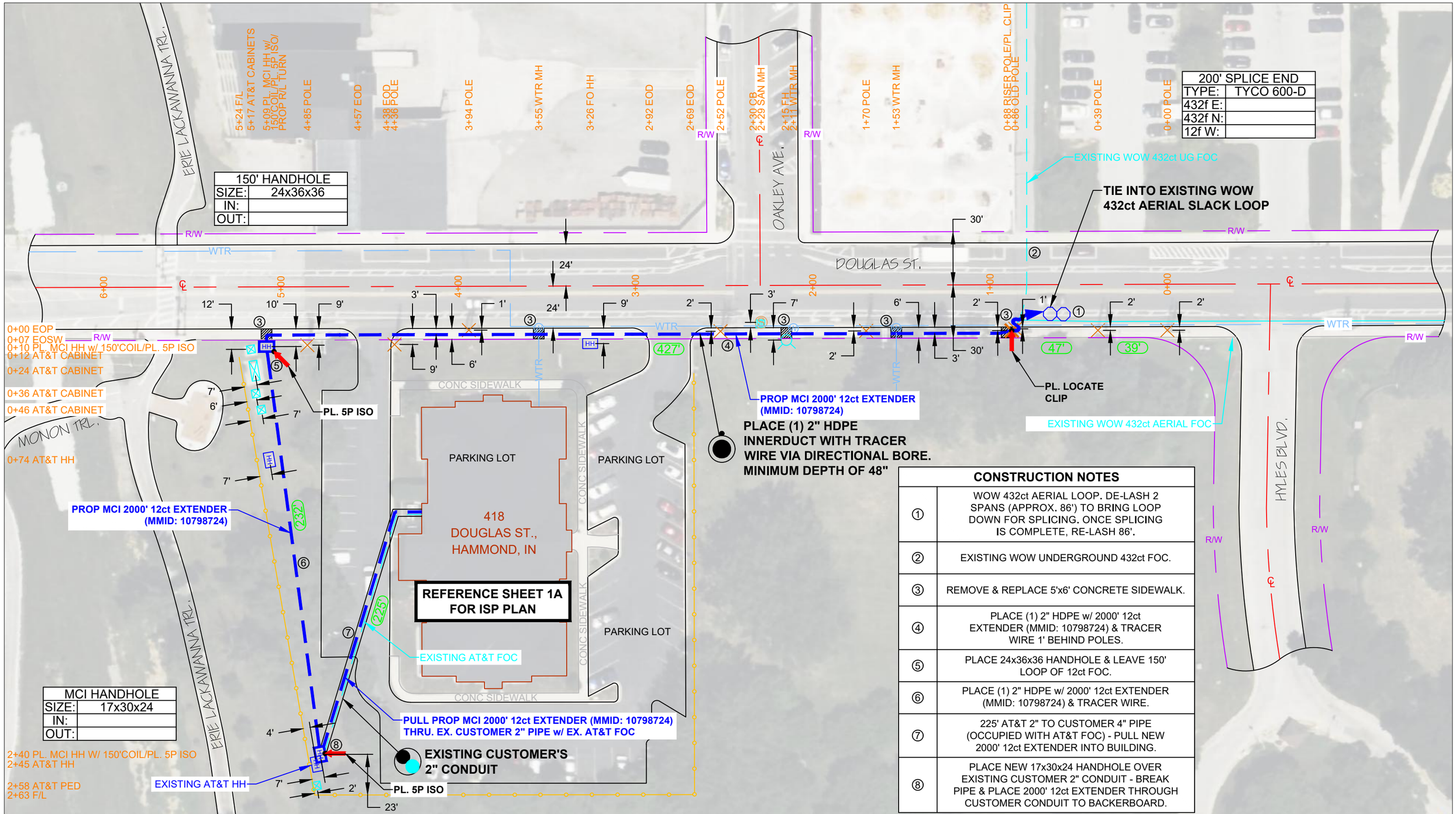
CABLE AND INNERDUCT DESCRIPTION
FIBER COUNT: 2000' 12ct EXTENDER
INNERDUCT: PL. (1) 2" HDPE W/ TRACER WIRE

LOCATION INFORMATION
COUNTY: LAKE
CITY: HAMMOND
TOWNSHIP: NORTH
SECTION: 22 | TOWN: 37N | RANGE: 10W

TM 2304CMAX 418 DOUGLAS ST.

DRAWN BY : RT – QAH	DATE: 05/17/2023
AS-BUILTS BY :	DATE:
ENGINEERED BY: BOB H.	DRAWING SCALE: NONE
DRAWING DESCRIPTION:	RATES
JOB NUMBER:	26855
DRAWING NUMBER :	1 OF 1



150' HANDHOLE	
SIZE:	24x36x36
IN:	
OUT:	

200' SPLICE END	
TYPE:	TYCO 600-D
432f E:	
432f N:	
12f W:	

MCI HANDHOLE	
SIZE:	17x30x24
IN:	
OUT:	

CONSTRUCTION NOTES

①	WOW 432ct AERIAL LOOP. DE-LASH 2 SPANS (APPROX. 86') TO BRING LOOP DOWN FOR SPLICING. ONCE SPLICING IS COMPLETE, RE-LASH 86'.
②	EXISTING WOW UNDERGROUND 432ct FOC.
③	REMOVE & REPLACE 5'x6' CONCRETE SIDEWALK.
④	PLACE (1) 2" HDPE w/ 2000' 12ct EXTENDER (MMID: 10798724) & TRACER WIRE 1' BEHIND POLES.
⑤	PLACE 24x36x36 HANDHOLE & LEAVE 150' LOOP OF 12ct FOC.
⑥	PLACE (1) 2" HDPE w/ 2000' 12ct EXTENDER (MMID: 10798724) & TRACER WIRE.
⑦	225' AT&T 2" TO CUSTOMER 4" PIPE (OCCUPIED WITH AT&T FOC) - PULL NEW 2000' 12ct EXTENDER INTO BUILDING.
⑧	PLACE NEW 17x30x24 HANDHOLE OVER EXISTING CUSTOMER 2" CONDUIT - BREAK PIPE & PLACE 2000' 12ct EXTENDER THROUGH CUSTOMER CONDUIT TO BACKERBOARD.

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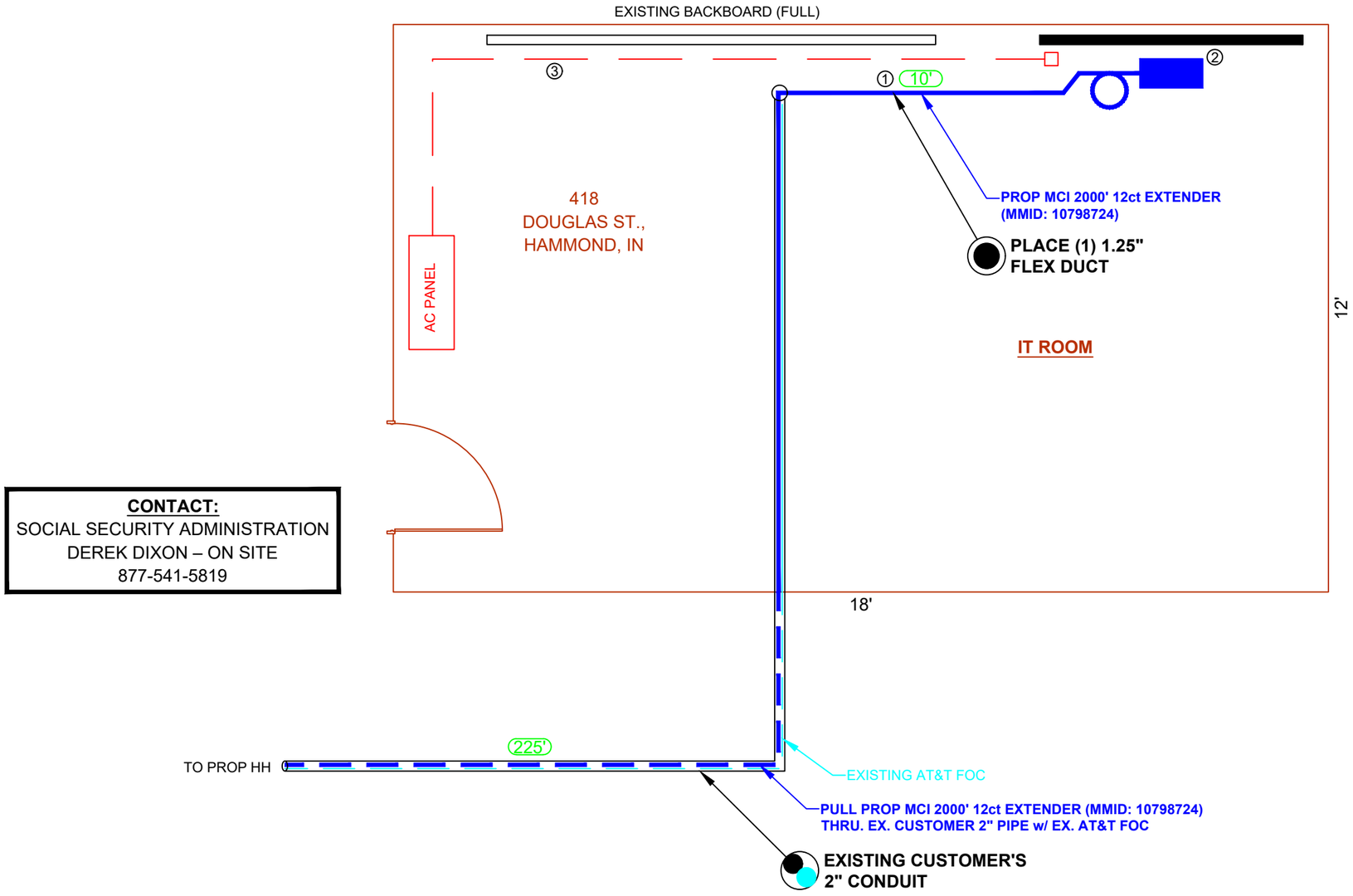
CABLE AND INNERDUCT DESCRIPTION		
FIBER COUNT:	2000' 12ct EXTENDER	
INNERDUCT: PL. (1) 2" HDPE W/ TRACER WIRE		
LOCATION INFORMATION		
COUNTY:	LAKE	
CITY:	HAMMOND	
TOWNSHIP:	NORTH	
SECTION: 22	TOWN: 37N	RANGE: 10W

TM 2304CMAX 418 DOUGLAS ST.

DRAWN BY : RT – QAH	DATE: 05/17/2023
AS-BUILTS BY :	DATE:
ENGINEERED BY: BOB H.	DRAWING SCALE: 1" = 50'
DRAWING DESCRIPTION:	PROPOSED ROUTE
JOB NUMBER:	26855
DRAWING NUMBER :	1 OF 1

REFERENCE SHEET 1A
FOR ISP PLAN



CONSTRUCTION NOTES	
①	PLACE 10' OF 1.25" FLEX DUCT w/ 12ct EXTENDER FROM END OF CUSTOMER CONDUIT TO PROPOSED BACKERBOARD LOCATION. LEAVE 30' MAINTENANCE LOOP.
②	PLACE 3'x3'x3/4" FIRE RATED BACKBOARD ON NORTH WALL. PLACE 12ct OPTITIP TERMINAL (MMID: 10798807) & PLUG IN 2000' 12ct EXTENDER (MMID: 10798724)
③	TO BE PLACED BY OTHERS: 20' OF 1/2" EMT FROM AC PANEL TO BACKERBOARD, NEW OUTLET, AND NEW 15 AMP BREAKER.

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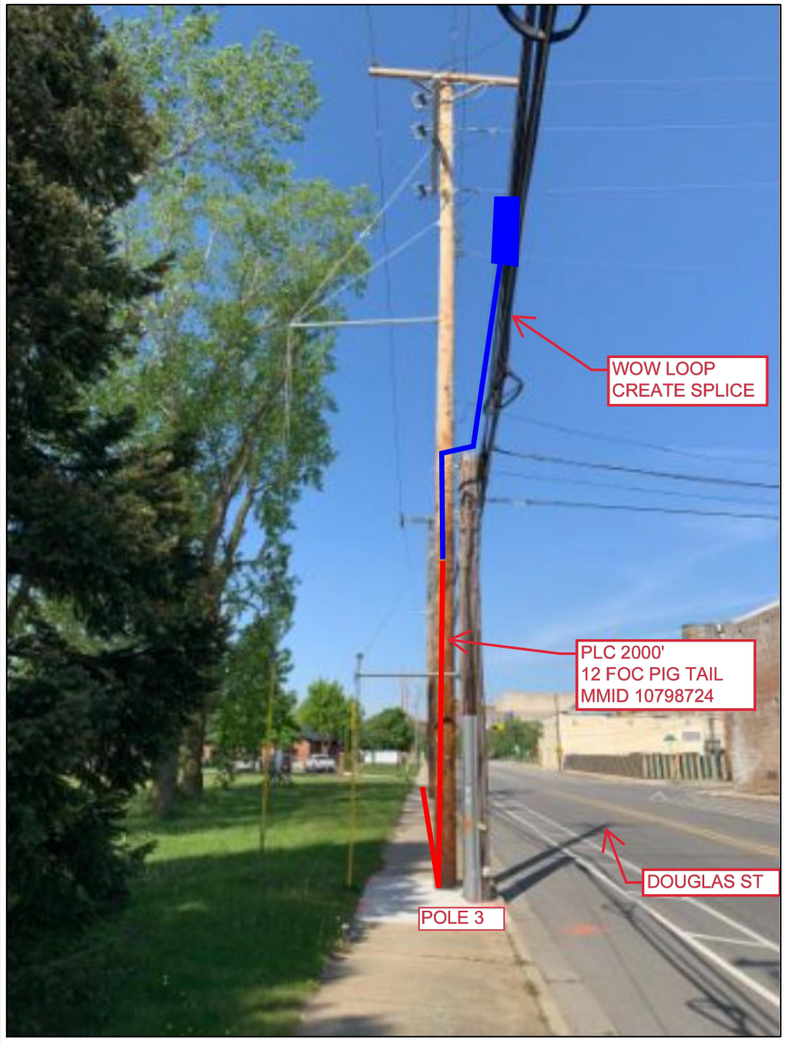
TM 2304CMAX 418 DOUGLAS ST.

DRAWN BY : RT – QAH	DATE: 05/17/2023
AS-BUILTS BY :	DATE:
ENGINEERED BY: BOB H.	DRAWING SCALE: NONE
DRAWING DESCRIPTION:	REFERENCE SHEET 1A
JOB NUMBER:	26855
DRAWING NUMBER :	1A OF 1



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TM 2304CMAX 418 DOUGLAS ST.

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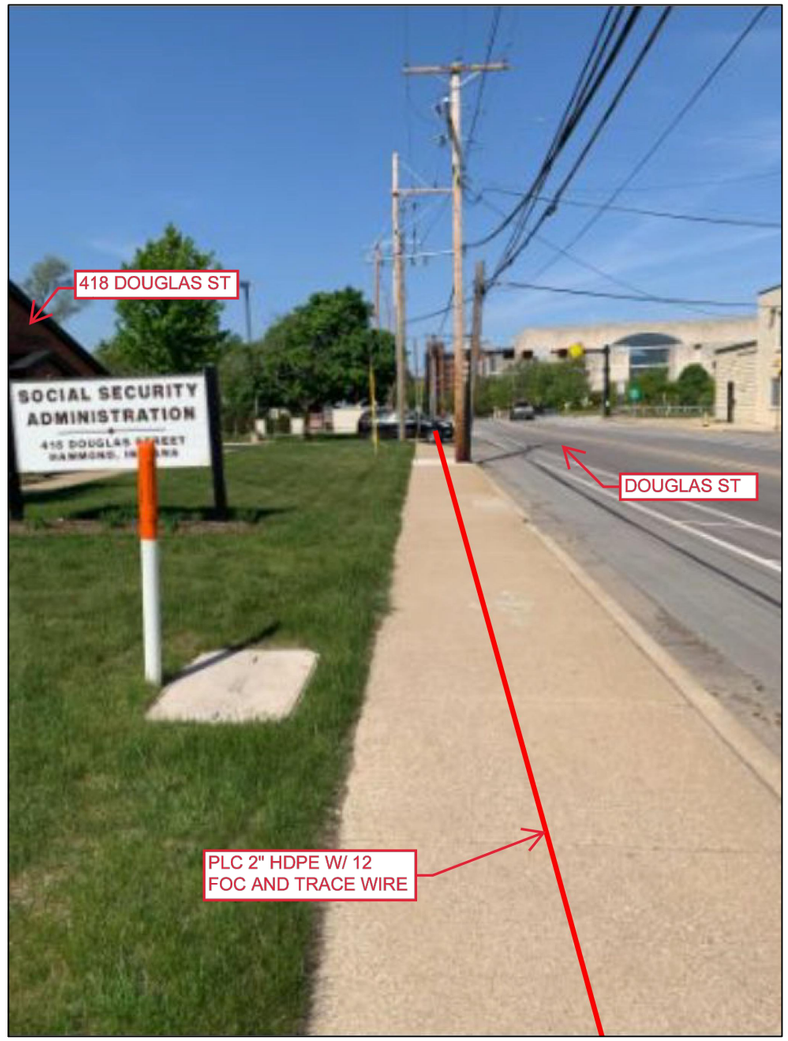
AS-BUILTS BY :	DATE:
ENGINEERED BY: BOB H.	DRAWING SCALE: NONE
DRAWING DESCRIPTION:	REFERENCE PIC
JOB NUMBER:	26855
DRAWING NUMBER :	1 OF 6



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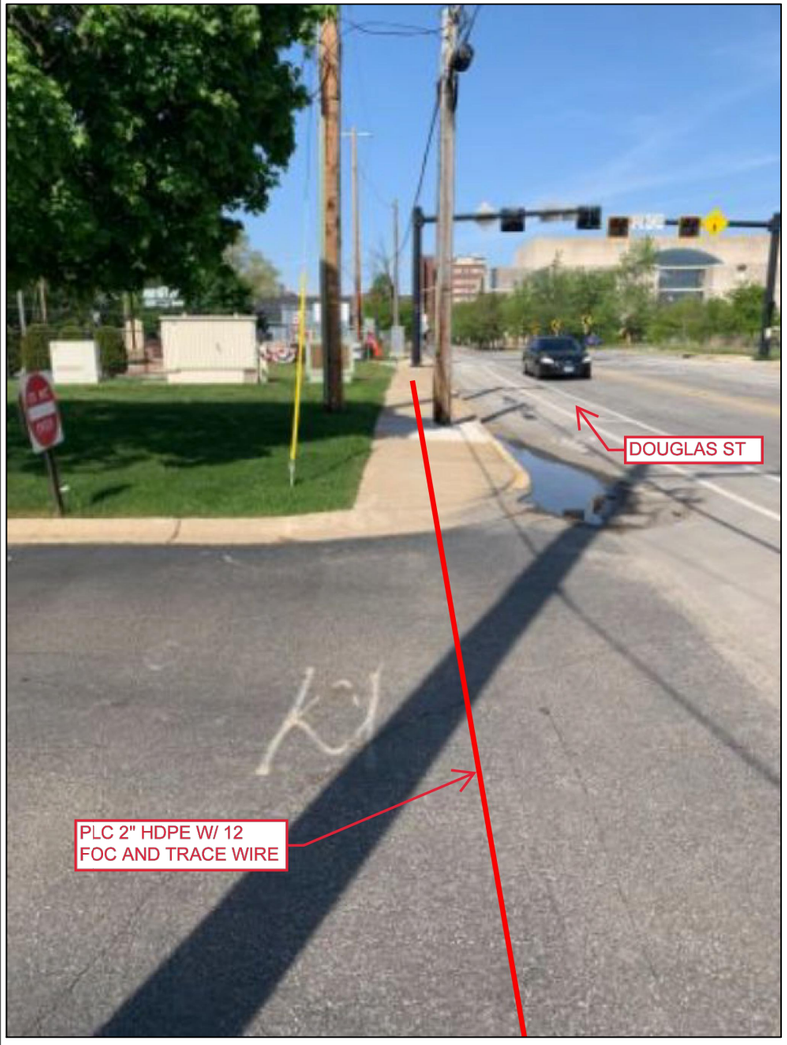
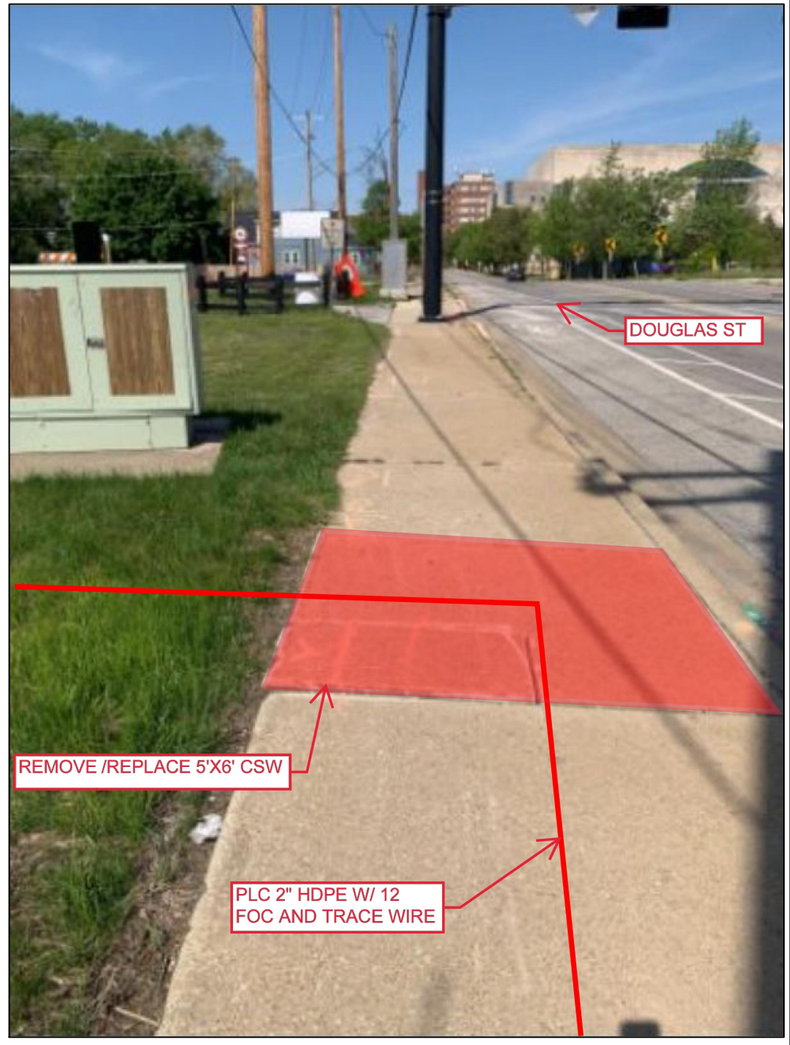
AS-BUILTS BY :	DATE:
ENGINEERED BY: BOB H.	DRAWING SCALE: NONE
DRAWING DESCRIPTION:	REFERENCE PIC
JOB NUMBER:	26855
DRAWING NUMBER :	2 OF 6





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REVISIONS

REV. #	DESCRIPTION	BY	DATE
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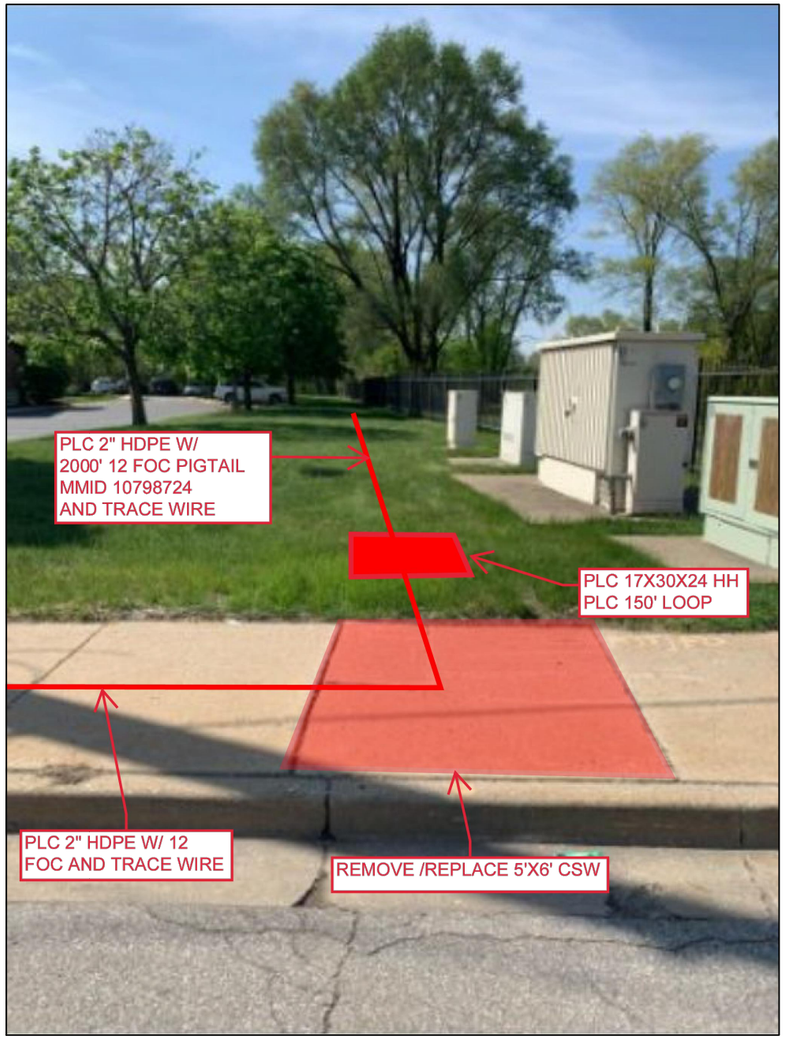
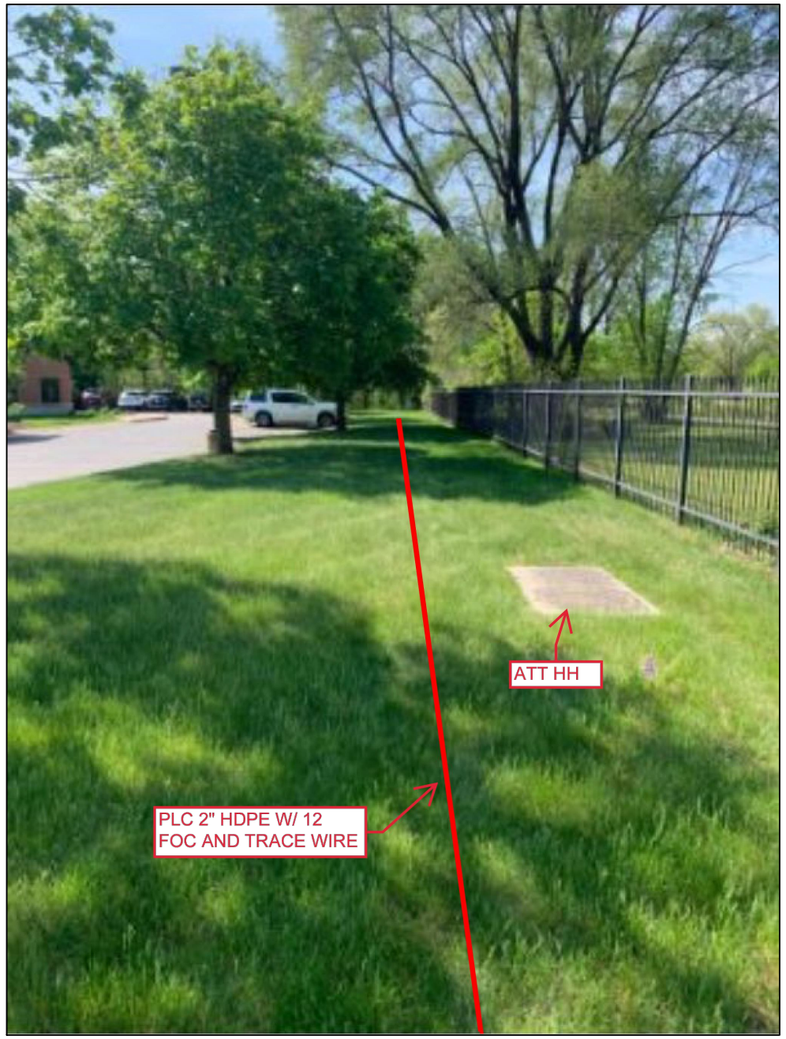
CABLE AND INNERDUCT DESCRIPTION		
FIBER COUNT:	2000' 12ct EXTENDER	
INNERDUCT: PL. (1) 2" HDPE W/ TRACER WIRE		
LOCATION INFORMATION		
COUNTY:	LAKE	
CITY:	HAMMOND	
TOWNSHIP:	NORTH	
SECTION: 22	TOWN: 37N	RANGE: 10W

TM 2304CMAX 418 DOUGLAS ST.

DRAWN BY : RT – QAH	DATE: 05/17/2023
AS-BUILTS BY :	DATE:
ENGINEERED BY: BOB H.	DRAWING SCALE: NONE
DRAWING DESCRIPTION:	REFERENCE PIC
JOB NUMBER:	26855
DRAWING NUMBER :	3 OF 6





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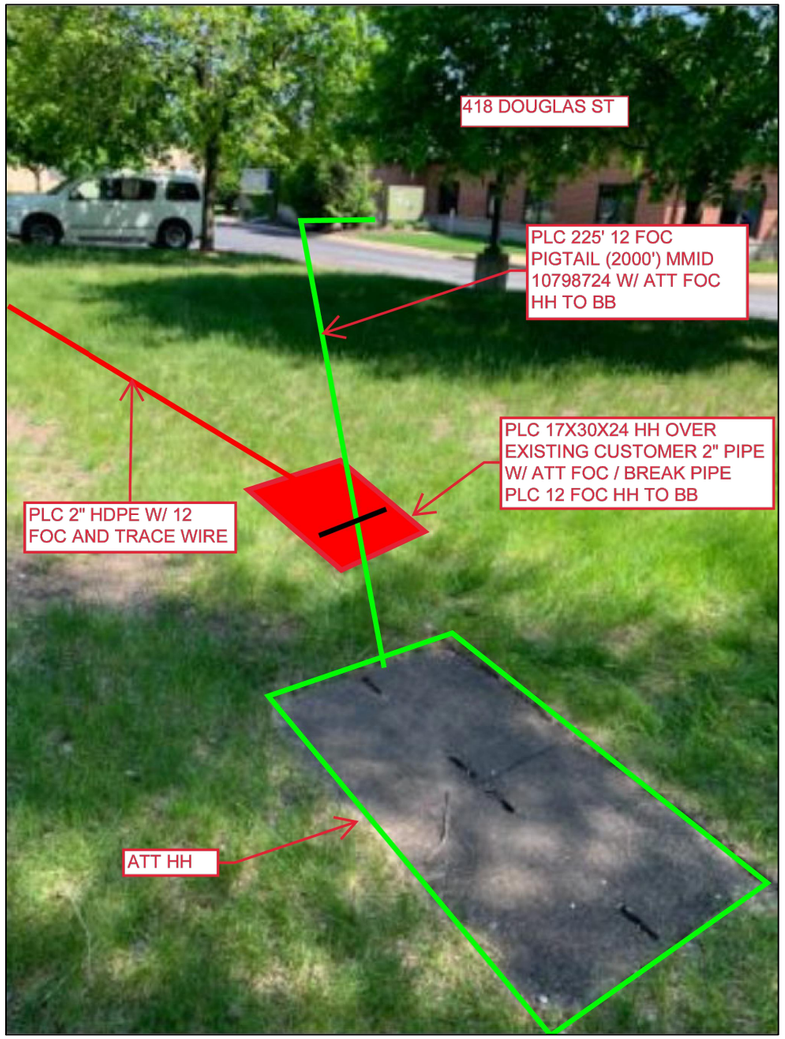

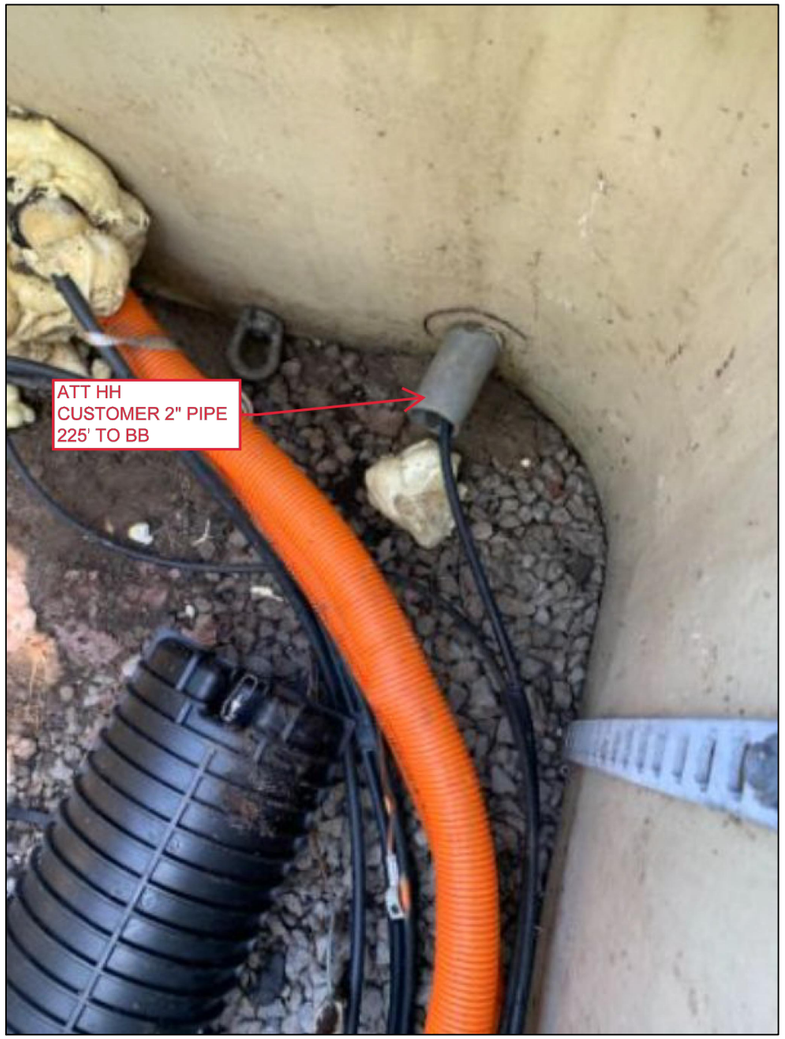

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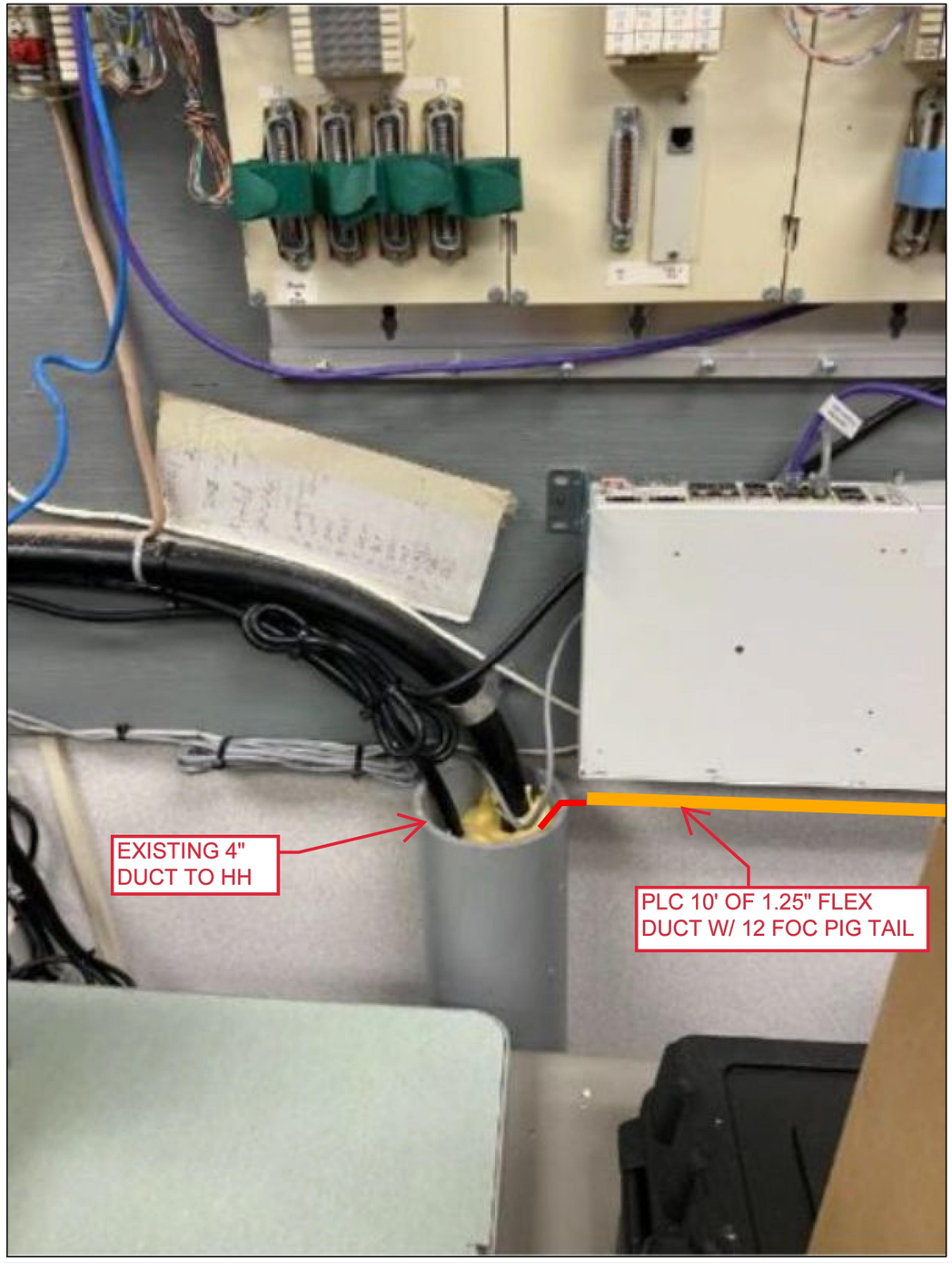

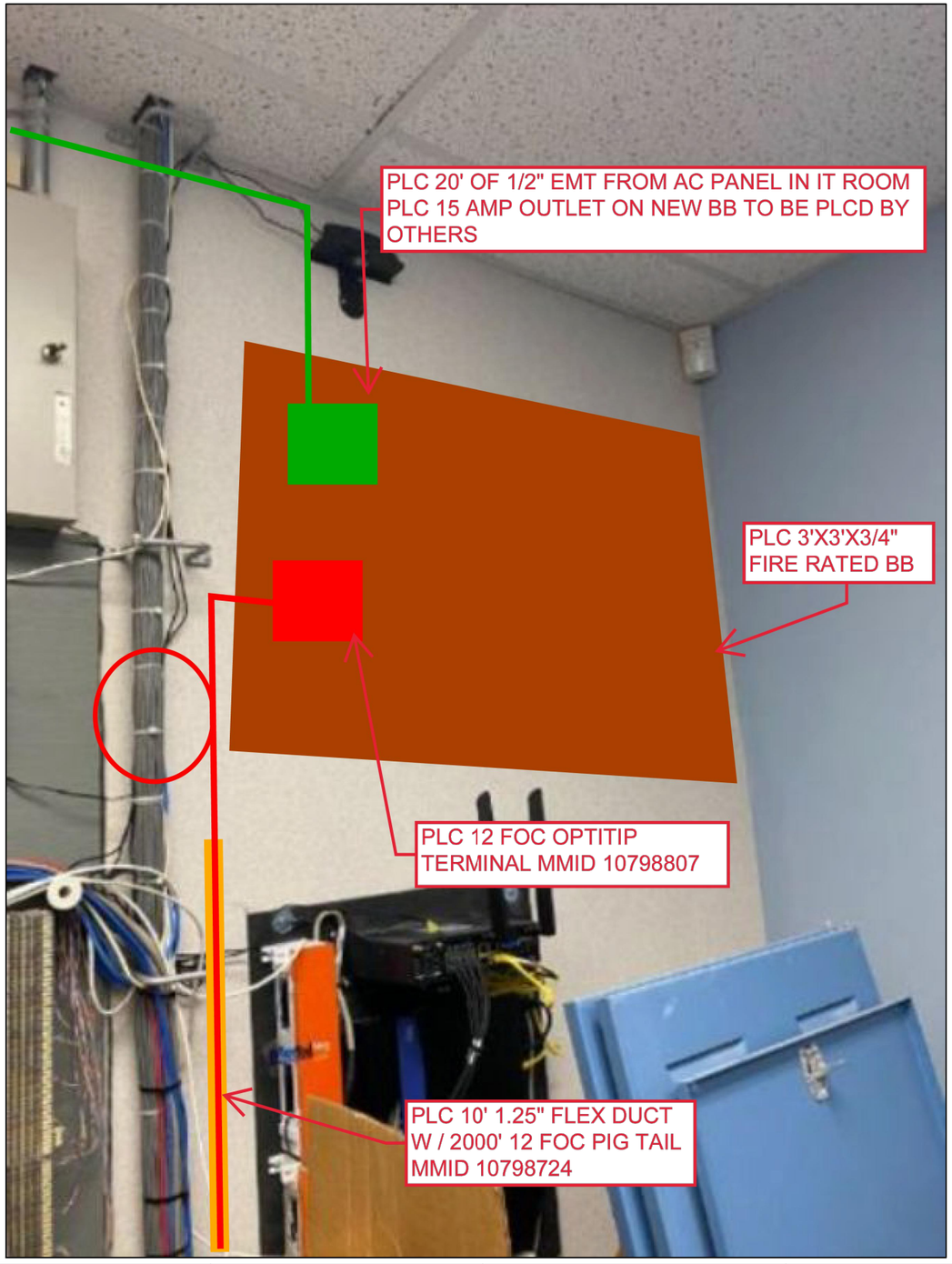

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