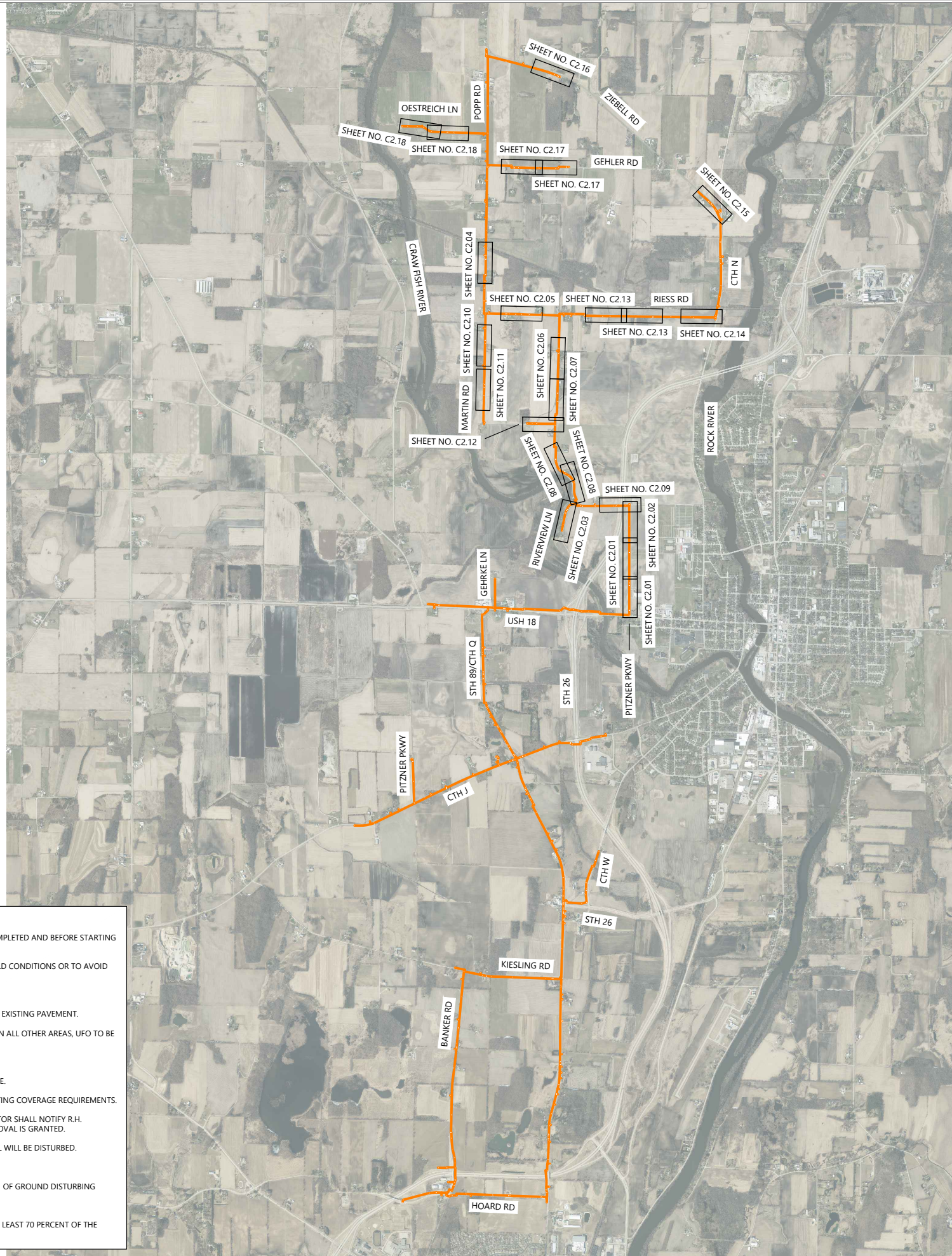


PLOT DATE: 4/12/2023 5:53 PM

NOTES:

1. CONTRACTOR TO POTHOLE AND LOCATE ALL UTILITIES WITH POTENTIAL CONFLICTS AFTER LOCATES ARE COMPLETED AND BEFORE STARTING ANY BORING AND/OR TRENCHING.
2. LOCATION OF THE UFO, BORE PITS, PEDESTALS, VAULTS, ETC. MAY NEED TO BE ADJUSTED TO FIT EXISTING FIELD CONDITIONS OR TO AVOID CONFLICTS ENCOUNTERED DURING CONSTRUCTION.
3. TYPICAL INSTALLATION OF UFO SHALL BE 3 FEET INSIDE THE ROAD RIGHT OF WAY.
4. UFO SHALL HAVE A MINIMUM BURY DEPTH OF 30-INCHES BELOW EXISTING GROUND AND 48-INCHES BELOW EXISTING PAVEMENT.
5. UFO SHALL BE INSTALLED VIA DIRECTIONAL BORE UNDER ALL ROADWAYS AND THROUGH WETLAND AREAS. IN ALL OTHER AREAS, UFO TO BE INSTALLED VIA DIRECTIONAL BORE OR VIBRATORY PLOW.
6. RIGHT OF WAY AND PARCEL LINES SHOWN ARE FROM COUNTY GIS INFORMATION AND ARE APPROXIMATE
7. WETLAND BOUNDARIES ARE FROM WISCONSIN DNR'S SURFACE WATER DATA VIEWER AND ARE APPROXIMATE.
8. CONTRACTOR SHALL ABIDE BY THE WISCONSIN DNR'S GENERAL UTILITY PERMIT (GP3) AND THE NON-REPORTING COVERAGE REQUIREMENTS.
9. WETLAND DISTURBANCE NOT TO EXCEED 400 SF. IF WETLAND DISTURBANCE APPROACHES 400 SF, CONTRACTOR SHALL NOTIFY R.H. BATTERMAN IMMEDIATELY AND ALL WORK WITHIN WETLAND AREAS SHALL BE SUSPENDED UNTIL DNR APPROVAL IS GRANTED.
10. THE CONTRACTOR SHALL FOLLOW THE CONSTRUCTION SEQUENCING BELOW AT ALL LOCATIONS WHERE SOIL WILL BE DISTURBED.
 - 10.1. MOBILIZATION/TRAFFIC CONTROL
 - 10.2. INSTALLATION OF BMP'S
 - 10.3. START GROUND DISTURBING ACTIVITIES
 - 10.4. PERMANENT STABILIZATION INCLUDING TOPSOIL, SEED, & MULCH (WITHIN 7 DAYS OF THE COMPLETION OF GROUND DISTURBING ACTIVITIES)
 - 10.5. REMOVAL OF BMP'S ONCE FINAL SITE STABILIZATION IS ACHIEVED*

*FINAL SITE STABILIZATION IS ACHIEVED WHEN TURF GRASS COVER PROVIDES PERMANENT STABILIZATION FOR AT LEAST 70 PERCENT OF THE DISTURBED SOIL SURFACE.



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DESIGNED BY	JW	
DRAWN BY	JW	
CHECKED BY	KC	
APPROVED BY	PN	
PROJECT NO.	34881	

LOCAL ROADS OVERVIEW

NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING.

CHARTER FIBER OPTIC INSTALLATION
JN05E - LOCAL ROADS
TOWN OF JEFFERSON & AZTALAN
JEFFERSON COUNTY, WISCONSIN

34581-JN05E-LOCAL ROADS OVERVIEW.DWG

DESIGNED BY:	JW	DRAWN BY:	JW
CHECKED BY:	KC	APPROVED BY:	PN
PROJECT NO.:	34881		

SHEET NO.

C1.01



LEGEND

- Approx. Existing Adjacent Property
- - - - - Approx. Existing Right-of-Way
- ◻ Proposed Pedestal/Vault Location
- Proposed Bore Pit Location
- UFO — Proposed Underground Fiber Optic
- [Stippled Box] Approx. Wetlands
- [Cross-hatched Box] Approx. Wetland Indicators



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X	✓
X	✓
X	✓
X	✓

PITZNER PKWY WORK PLANS

NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING

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DRAWN BY: JW

CHECKED BY: KC

APPROVED BY: PN

PROJECT NO: 34581

CHARTER FIBER OPTIC INSTALLATION
JN05E - LOCAL ROADS
TOWN OF JEFFERSON & AZTALAN
JEFFERSON COUNTY, WISCONSIN

34581-JN05E-PITZNER PKWY WORK PLANS.DWG

SHEET NO.
C2.01

PLOT DATE: 4/12/2023 5:55 PM

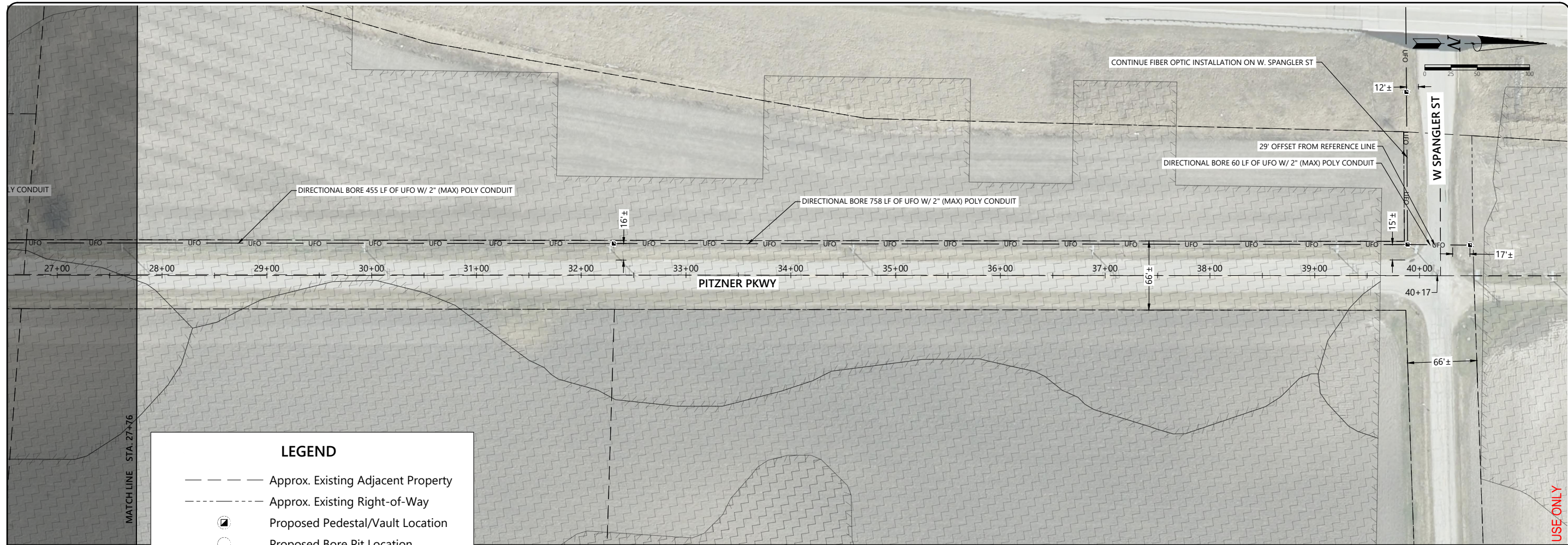
MATCH LINE STA. 13+88

MATCH LINE STA. 27+76

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PLOT DATE: 4/12/2023 5:56 PM



LEGEND

- Approx. Existing Adjacent Property
- - - - - Approx. Existing Right-of-Way
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		JJ
		JJ
		JJ
		JJ

PITZNER PKWY WORK PLANS

CHARTER FIBER OPTIC INSTALLATION
 JN05E - LOCAL ROADS
 TOWN OF JEFFERSON & AZTALAN
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DRAWN BY:	JW
CHECKED BY:	KC
APPROVED BY:	PN
PROJECT NO.:	34581

SHEET NO.

C2.02

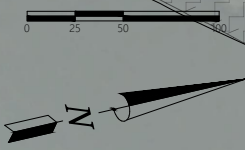
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LEGEND

- Approx. Existing Adjacent Property
- - - - - Approx. Existing Right-of-Way
- ▣ Proposed Pedestal/Vault Location
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- UFO — Proposed Underground Fiber Optic
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		✓
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		✓
		✓
		✓

RIVERVIEW LN WORK PLANS

NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING

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CHECKED BY: KC

APPROVED BY: PN

PROJECT NO: 34581

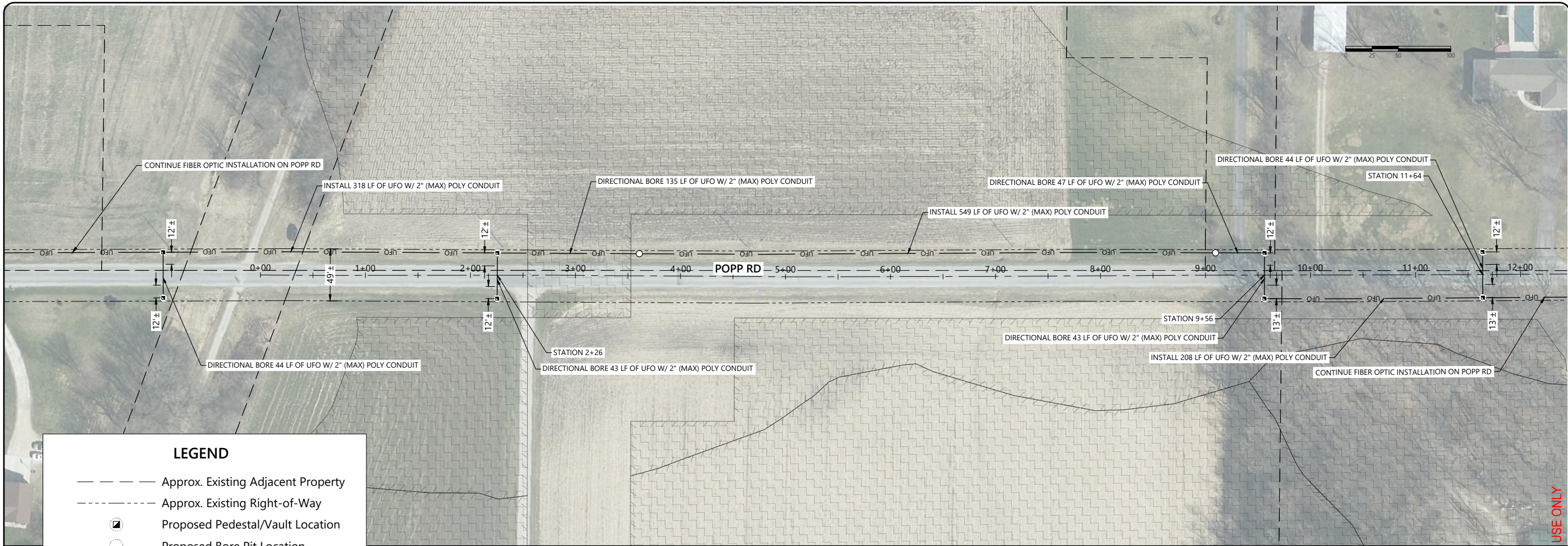
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JN05E - LOCAL ROADS
TOWN OF JEFFERSON & AZTALAN
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34581-JN05E-RIVERVIEW LN WORK PLANS.DWG

SHEET NO.

C2.03

PLOT DATE: 4/12/2023 5:59 PM



LEGEND

- Approx. Existing Adjacent Property
- - - - - Approx. Existing Right-of-Way
- ◻ Proposed Pedestal/Vault Location
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- [Stippled Box] Approx. Wetlands
- [Cross-hatched Box] Approx. Wetland Indicators

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		PN
		JW

POPP RD WORK PLANS

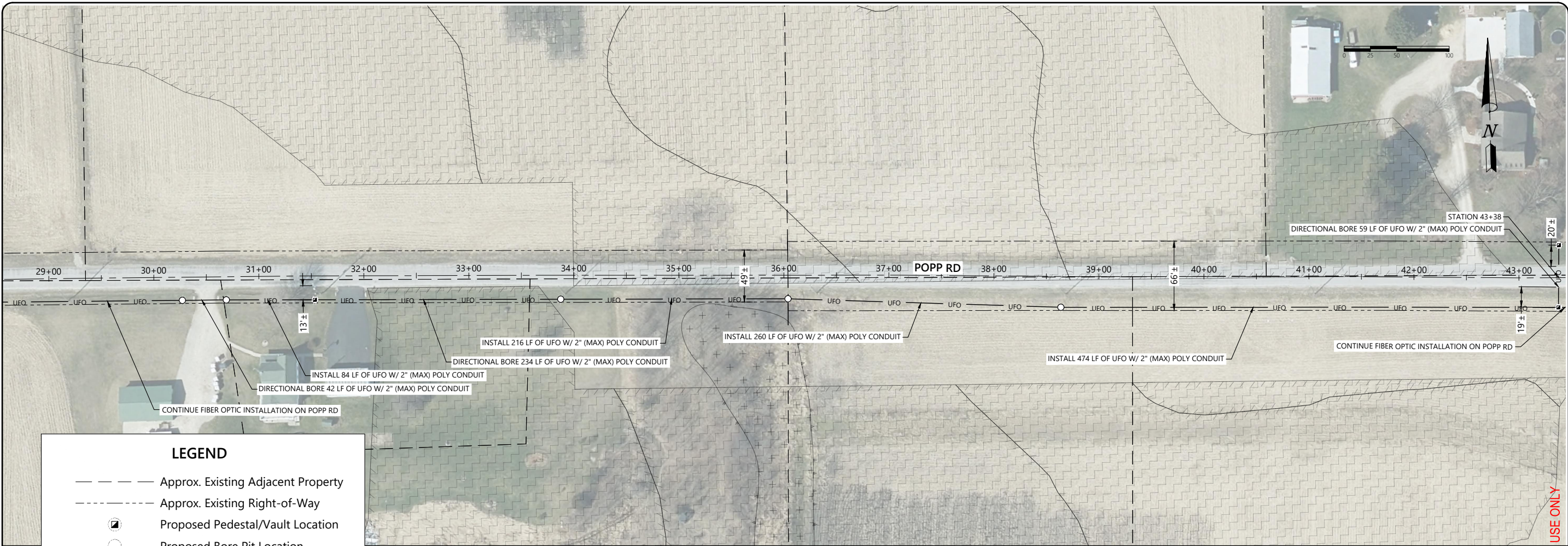
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C2.04

PLOT DATE: 4/12/2023 6:00 PM



LEGEND

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- - - - - Approx. Existing Right-of-Way
- ◻ Proposed Pedestal/Vault Location
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 APPROVED BY: PN
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C2.05

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POPP RD WORK PLANS

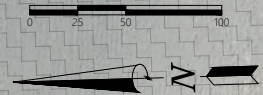
ISSUANCE

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X	

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POPP RD WORK PLANS

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APPROVED BY: PN

PROJECT NO: 34581

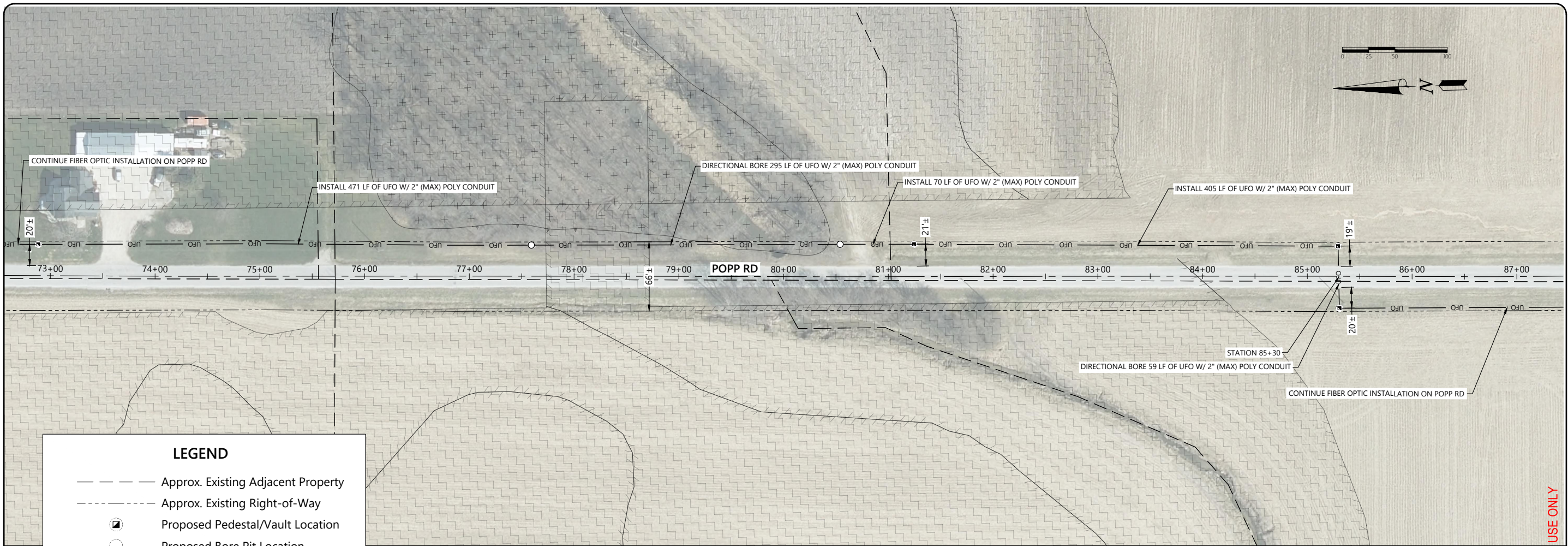
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JEFFERSON COUNTY, WISCONSIN

3-4581-JN05E-POPP RD WORK PLANS.DWG

SHEET NO.

C2.06

PLOT DATE: 4/12/2023 6:02 PM



LEGEND

- --- --- Approx. Existing Adjacent Property
- - - - - Approx. Existing Right-of-Way
- ▣ Proposed Pedestal/Vault Location
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- UFO — Proposed Underground Fiber Optic
- [Hatched Box] Approx. Wetlands
- [Dotted Box] Approx. Wetland Indicators

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X	/ /
X	/ /

POPP RD WORK PLANS

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APPROVED BY:	PN
PROJECT NO.:	34581

SHEET NO.

C2.07

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JN05E - LOCAL ROADS
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JEFFERSON COUNTY, WISCONSIN

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LEGEND

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POPP RD WORK PLANS

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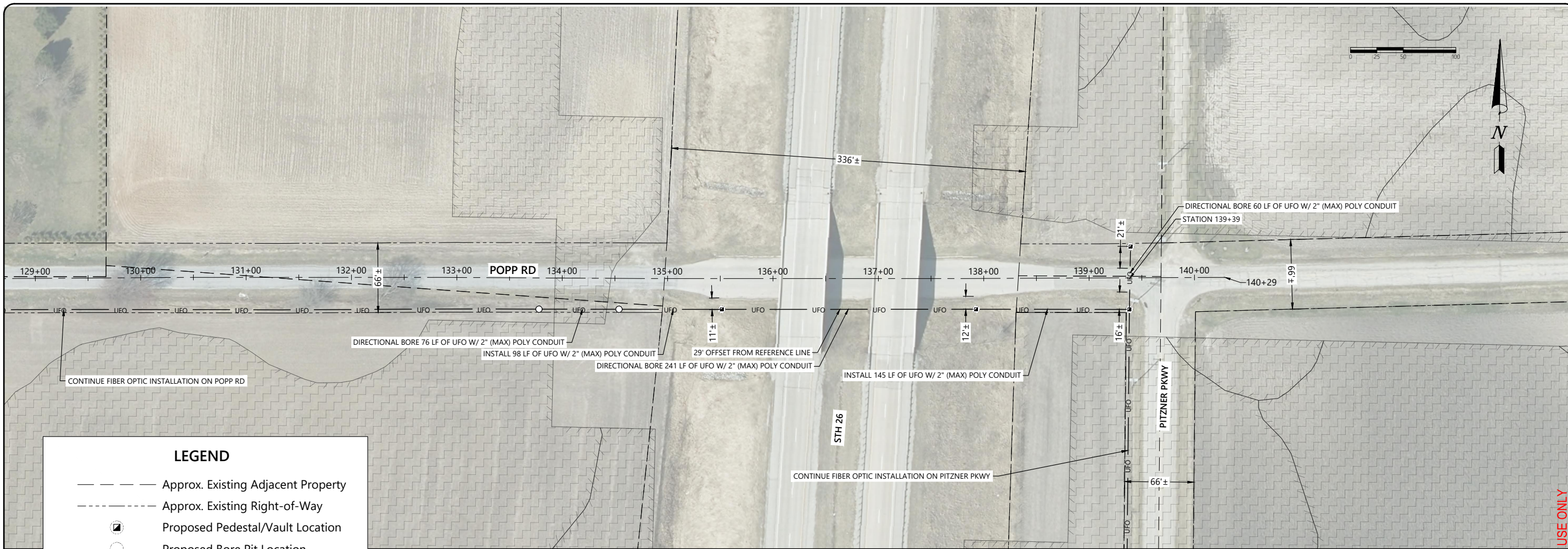
CHARTER FIBER OPTIC INSTALLATION
 JN05E - LOCAL ROADS
 TOWN OF JEFFERSON & AZTALAN
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PROJECT NO.:	34881

SHEET NO.
C2.08

PLOT DATE: 4/12/2023 6:04 PM

PLOT DATE: 4/12/2023 6:06 PM



LEGEND

- Approx. Existing Adjacent Property
- - - - - Approx. Existing Right-of-Way
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X	✓
X	✓
X	✓
X	✓
X	✓

CHARTER FIBER OPTIC INSTALLATION
JN05E - LOCAL ROADS
TOWN OF JEFFERSON & AZTALAN
JEFFERSON COUNTY, WISCONSIN

3-4581-JN05E-POPP RD WORK PLANS.DWG

POP RD WORK PLANS

DESIGNED BY: JW

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CHECKED BY: KC

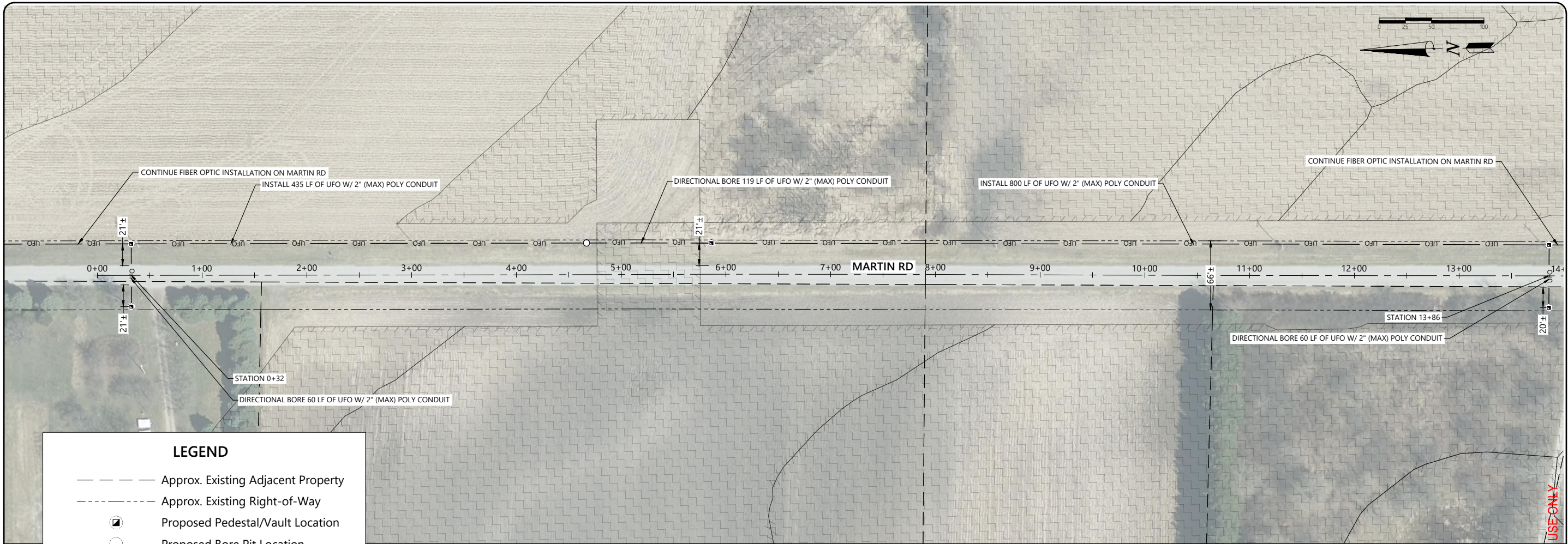
APPROVED BY: PN

PROJECT NO: 34881

SHEET NO.

C2.09


PLOT DATE: 4/12/2023 6:07 PM



LEGEND

- --- --- Approx. Existing Adjacent Property
- - - - - Approx. Existing Right-of-Way
- ◻ Proposed Pedestal/Vault Location
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- [Hatched Box] Approx. Wetlands
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ISSUANCE

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		✓
		✓
		✓
		✓

MARTIN RD WORK PLANS

NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING

DESIGNED BY: JW

DRAWN BY: JW

CHECKED BY: KC

APPROVED BY: PN

PROJECT NO: 34581

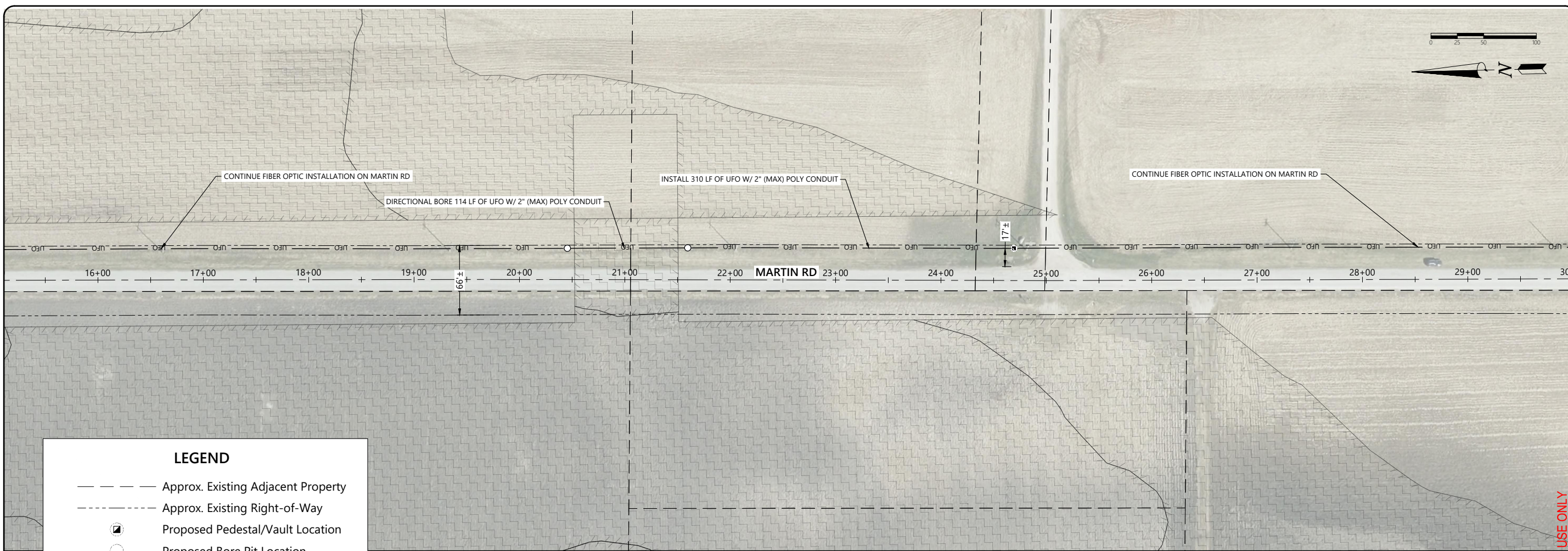
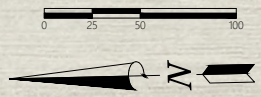
CHARTER FIBER OPTIC INSTALLATION
JN05E - LOCAL ROADS
TOWN OF JEFFERSON & AZTALAN
JEFFERSON COUNTY, WISCONSIN

34581-JN05E-MARTIN RD WORK PLANS.DWG

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C2.10

PLOT DATE: 4/12/2023 6:08 PM



LEGEND

- --- --- --- --- Approx. Existing Adjacent Property
- - - - - Approx. Existing Right-of-Way
- ▣ Proposed Pedestal/Vault Location
- Proposed Bore Pit Location
- UFO — Proposed Underground Fiber Optic
- ▨ Approx. Wetlands
- ▩ Approx. Wetland Indicators

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CHECKED BY:	KC
APPROVED BY:	PN
PROJECT NO.:	34581

CHARTER FIBER OPTIC INSTALLATION
 JN05E - LOCAL ROADS
 TOWN OF JEFFERSON & AZTALAN
 JEFFERSON COUNTY, WISCONSIN
 34581-JN05E-MARTIN RD WORK PLANS.DWG

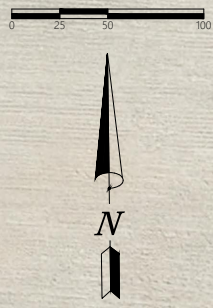
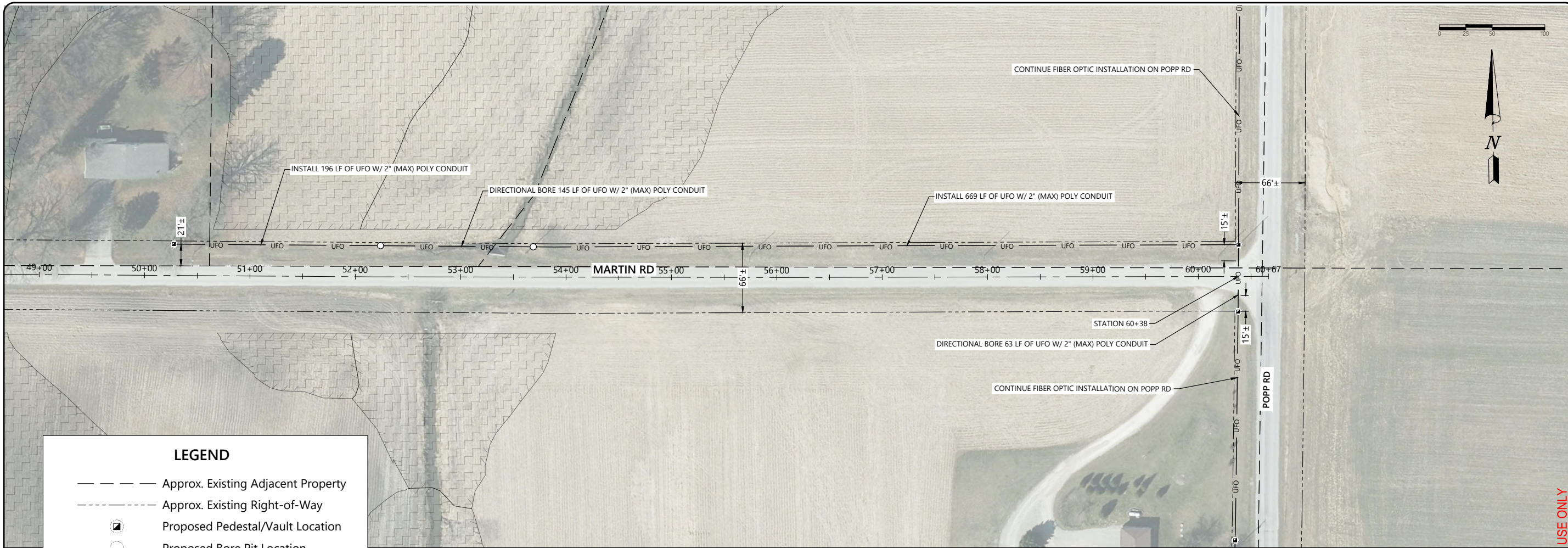
MARTIN RD WORK PLANS

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X	J/J
X	J/J
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X	J/J
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LEGEND

- Approx. Existing Adjacent Property
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- Proposed Pedestal/Vault Location
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- Proposed Underground Fiber Optic
- Approx. Wetlands
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 JN05E - LOCAL ROADS
 TOWN OF JEFFERSON & AZTALAN
 JEFFERSON COUNTY, WISCONSIN
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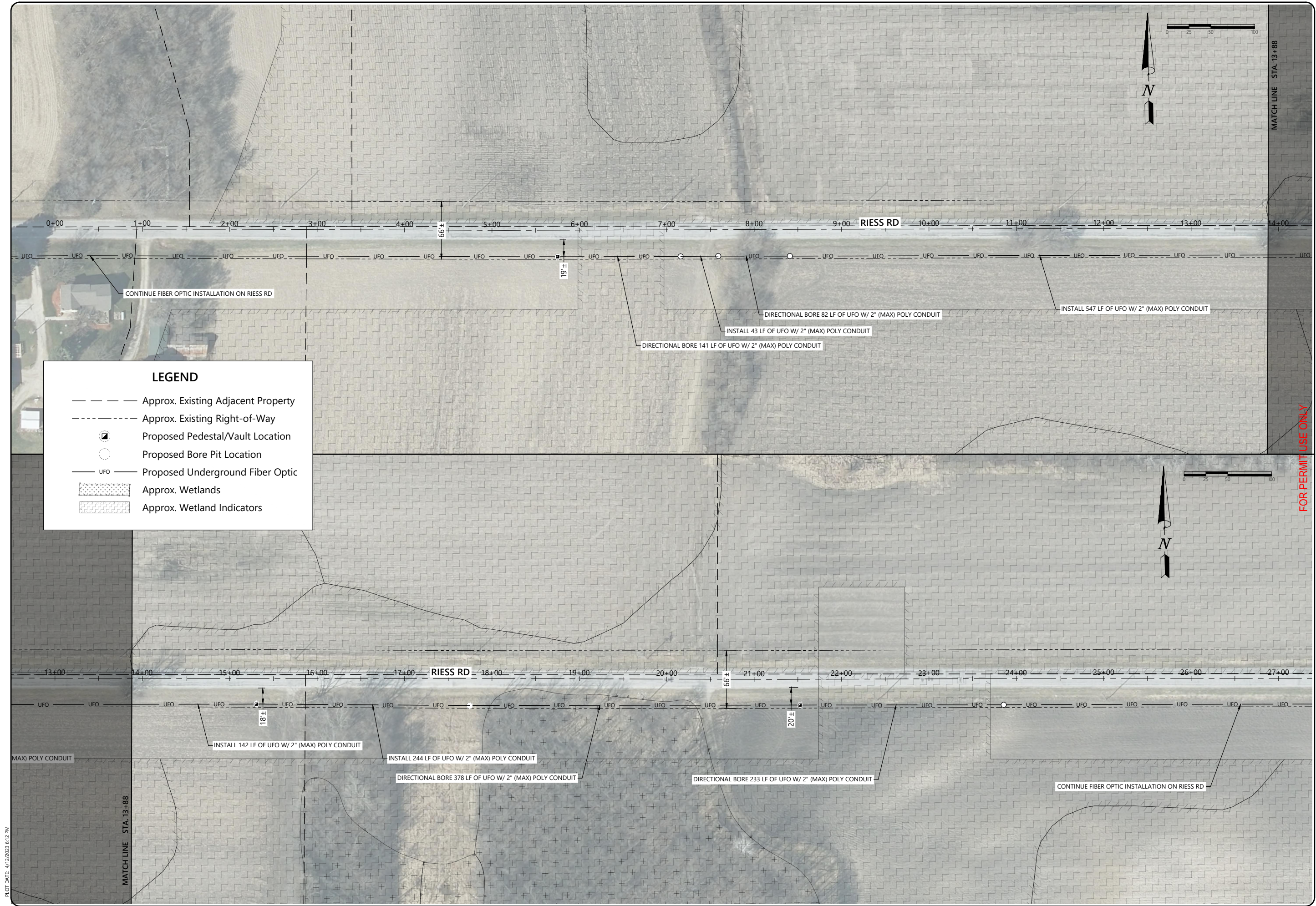
MARTIN RD WORK PLANS

ISSUANCE

PERMIT SUBMITTAL	4/12/2023
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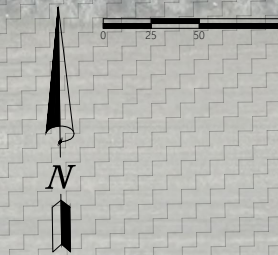
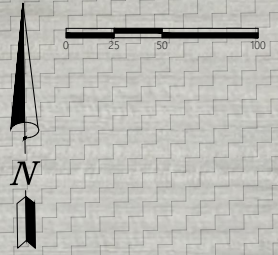
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LEGEND

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- - - - - Approx. Existing Right-of-Way
- ⊠ Proposed Pedestal/Vault Location
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- [Stippled Box] Approx. Wetlands
- [Cross-hatched Box] Approx. Wetland Indicators



MATCH LINE STA. 13+88

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ISSUANCE	DATE	BY	FOR
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		KC	PN
		PN	

RIESS RD WORK PLANS

CHARTER FIBER OPTIC INSTALLATION
JN05E - LOCAL ROADS
TOWN OF JEFFERSON & AZTALAN
JEFFERSON COUNTY, WISCONSIN

DESIGNED BY:	JW
DRAWN BY:	JW
CHECKED BY:	KC
APPROVED BY:	PN
PROJECT NO.:	34881

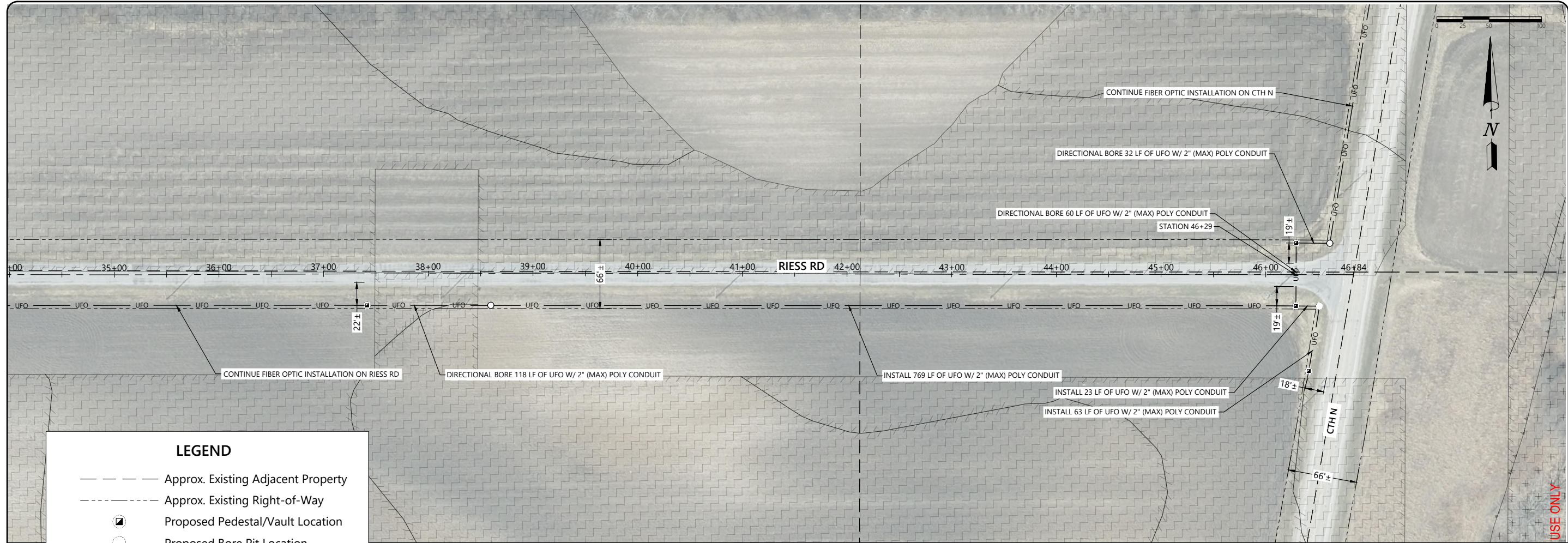
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LEGEND

- Approx. Existing Adjacent Property
- - - - - Approx. Existing Right-of-Way
- ◻ Proposed Pedestal/Vault Location
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- [Patterned Box] Approx. Wetlands
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C2.14

CHARTER FIBER OPTIC INSTALLATION
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JEFFERSON COUNTY, WISCONSIN

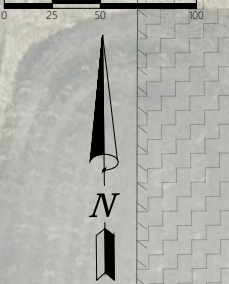
3-4581-JN05E-RIESS_RD_WORK_PLANS.DWG

RIESS RD WORK PLANS

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X		JW
X		JW
X		JW
X		JW

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LEGEND

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		X
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		X
		X

ZIEBELL RD WORK PLANS

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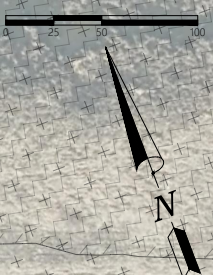
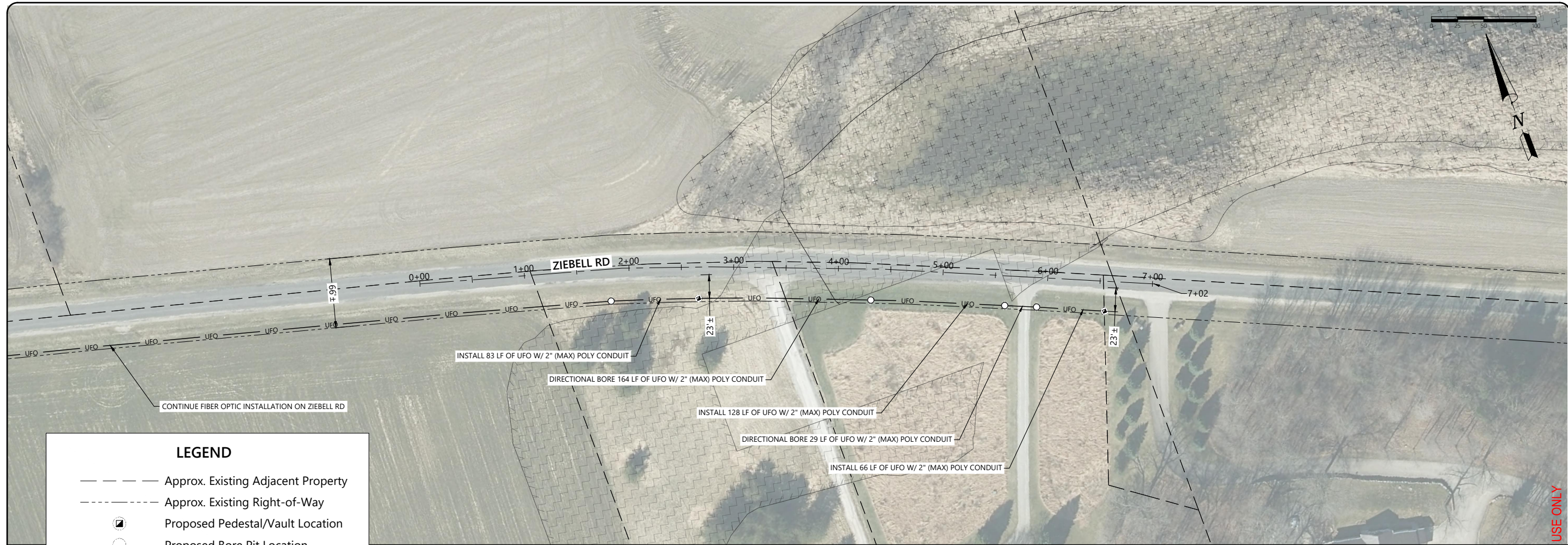
CHARTER FIBER OPTIC INSTALLATION
 JN05E - LOCAL ROADS
 TOWN OF JEFFERSON & AZTALAN
 JEFFERSON COUNTY, WISCONSIN

3-558F-IN05E-ZIEBELL RD WORK PLANS.DWG

DESIGNED BY:	JW
DRAWN BY:	JW
CHECKED BY:	KC
APPROVED BY:	PN
PROJECT NO.:	34881

SHEET NO.
C2.15

PLOT DATE: 4/12/2023 6:16 PM



LEGEND

- Approx. Existing Adjacent Property
- Approx. Existing Right-of-Way
- Proposed Pedestal/Vault Location
- Proposed Bore Pit Location
- Proposed Underground Fiber Optic
- Approx. Wetlands
- Approx. Wetland Indicators

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DRAWN BY:	JW
CHECKED BY:	KC
APPROVED BY:	PN
PROJECT NO.:	34881

CHARTER FIBER OPTIC INSTALLATION
 JN05E - LOCAL ROADS
 TOWN OF JEFFERSON & AZTALAN
 JEFFERSON COUNTY, WISCONSIN
 3-5581-JN05E-ZIEBELL_RD_WORK_PLANS.DWG

ZIEBELL RD WORK PLANS

ISSUANCE	DATE	BY
PERMIT SUBMITTAL	4/12/2023	JW
		X
		X
		X
		X
		X

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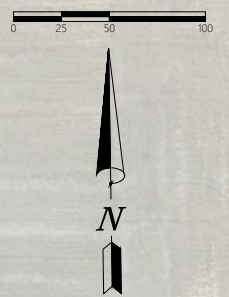
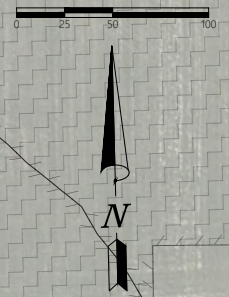





LEGEND

- Approx. Existing Adjacent Property
- - - - - Approx. Existing Right-of-Way
- ⊠ Proposed Pedestal/Vault Location
- Proposed Bore Pit Location
- UFO — Proposed Underground Fiber Optic
- [Cross-hatched] Approx. Wetlands
- [Dotted] Approx. Wetland Indicators

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PLOT DATE: 4/12/2023 6:19 PM



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ISSUANCE

PERMIT SUBMITTAL	4/12/2023	✓
		✓
		✓
		✓
		✓

GEHLER RD WORK PLANS

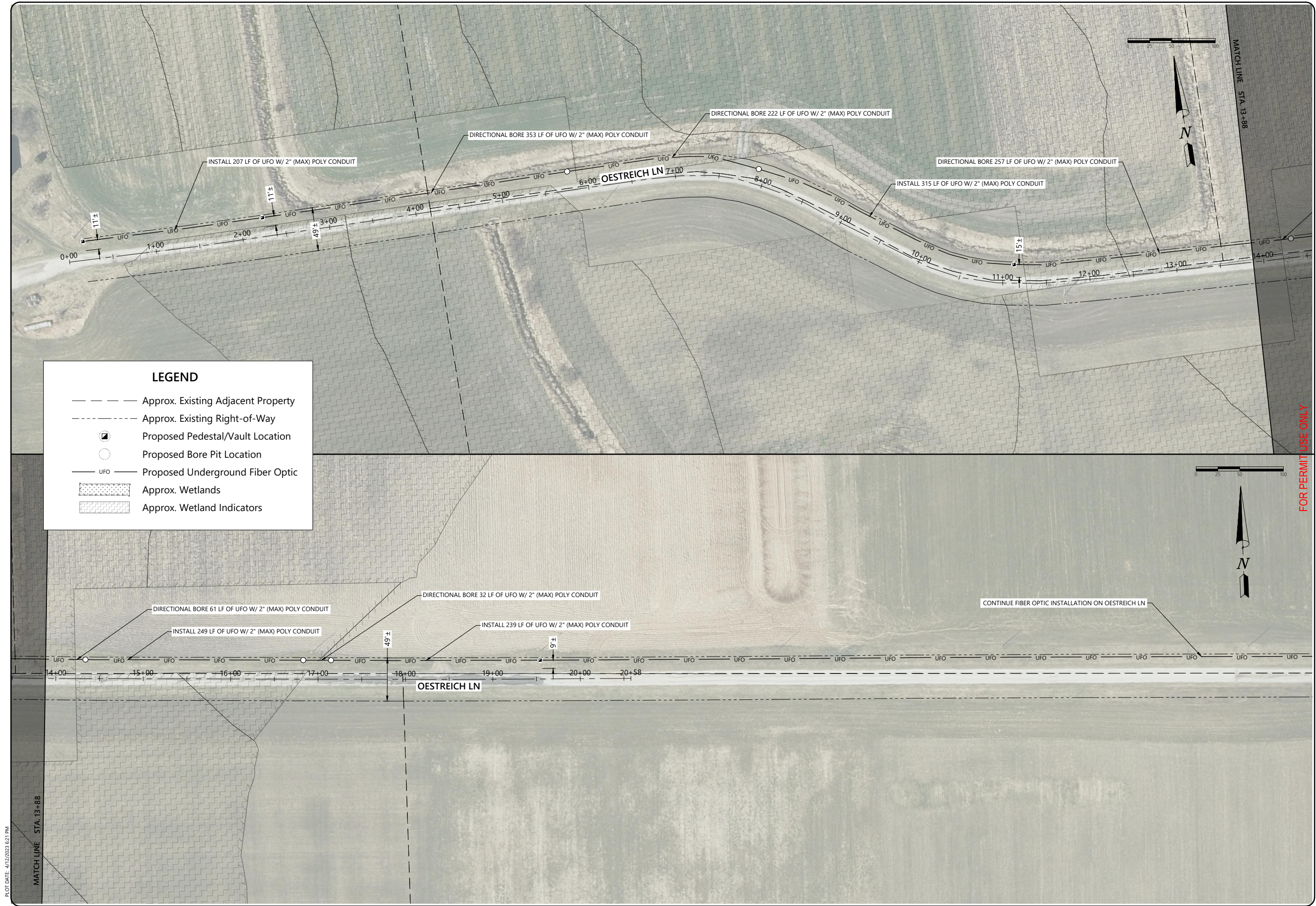
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 DRAWN BY: JW
 CHECKED BY: KC
 APPROVED BY: PN
 PROJECT NO.: 34881

SHEET NO.
C2.17

CHARTER FIBER OPTIC INSTALLATION
 JNOSE - LOCAL ROADS
 TOWN OF JEFFERSON & AZTALAN
 JEFFERSON COUNTY, WISCONSIN

3-5581-JNOSE-GEHLER RD WORK PLANS.DWG



LEGEND

- Approx. Existing Adjacent Property
- - - - - Approx. Existing Right-of-Way
- ▣ Proposed Pedestal/Vault Location
- Proposed Bore Pit Location
- UFO — Proposed Underground Fiber Optic
- ▨ Approx. Wetlands
- ▧ Approx. Wetland Indicators

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		JL
		JL
		JL
		JL

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OESTREICH LN WORK PLANS

CHARTER FIBER OPTIC INSTALLATION
 JN05E - LOCAL ROADS
 TOWN OF JEFFERSON & AZTALAN
 JEFFERSON COUNTY, WISCONSIN
 3-4581-JN05E-OESTREICH LN WORK PLANS.DWG

DESIGNED BY:	JW
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CHECKED BY:	KC
APPROVED BY:	PN
PROJECT NO.:	34881

SHEET NO.
C2.18

PLOT DATE: 4/12/2023 6:21 PM

MATCH LINE STA. 13+88

MATCH LINE STA. 13+88



SDD 15D28 Traffic Control, Work on Shoulder or Parking Lane, Undivided Roadway

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- DIRECTION OF TRAFFIC
- WORK ZONE

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

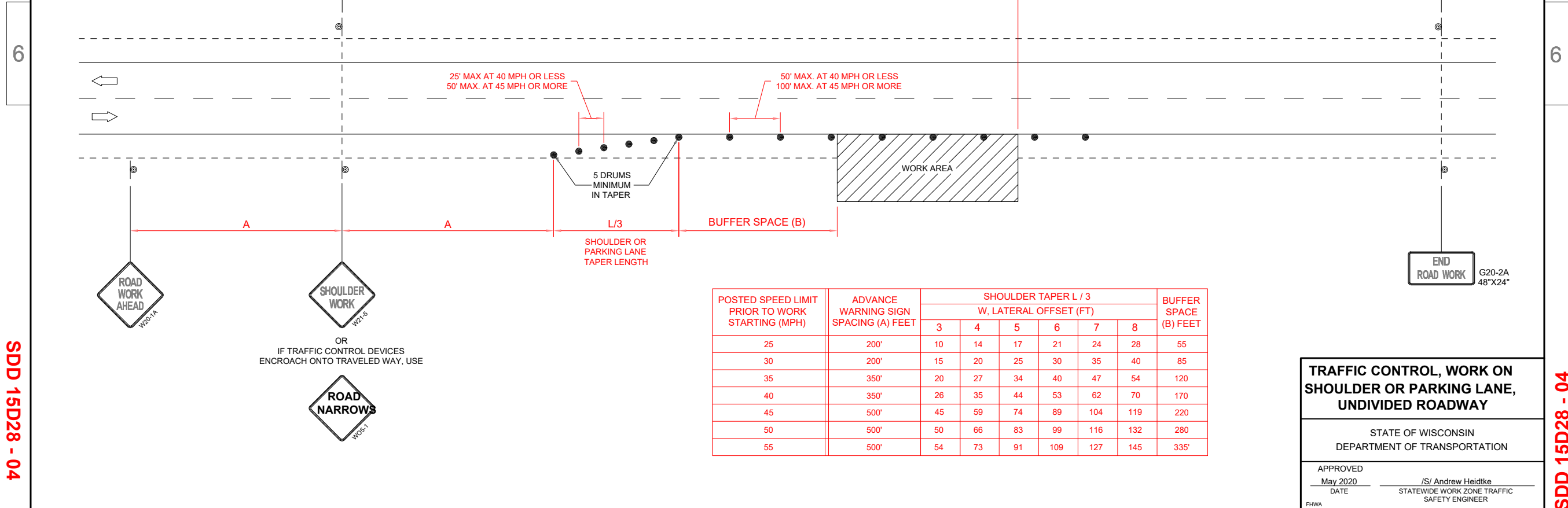
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

SDD 15D28 - 04

SDD 15D28 - 04

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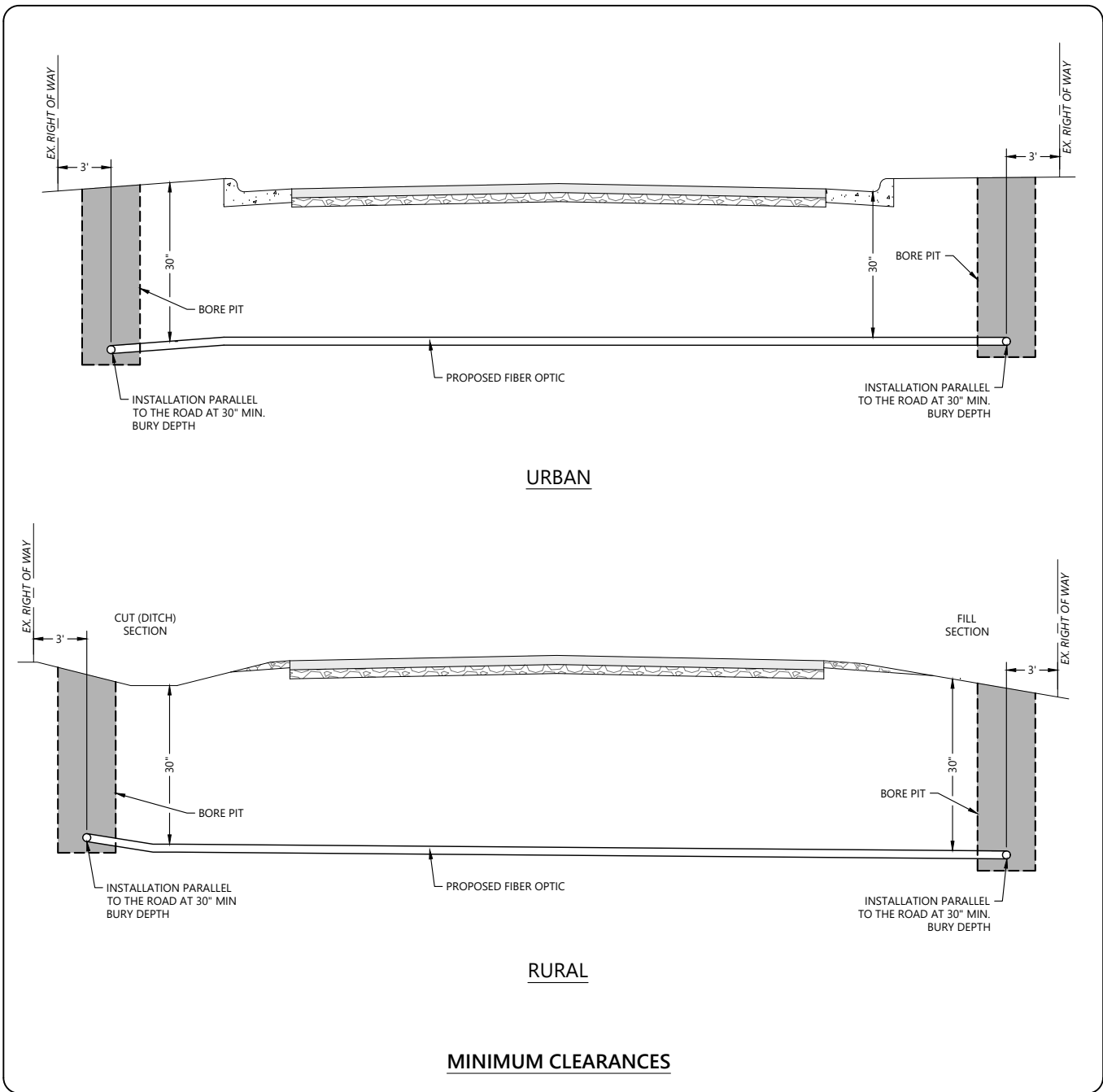
ISSUANCE 4/12/2023
PERMIT SUBMITTAL
X X X X X X X X

TRAFFIC CONTROL

CHARACTER FIBER OPTIC INSTALLATION
JND5E - LOCAL ROADS
TOWN OF JEFFERSON & AZTALAN
JEFFERSON COUNTY, WISCONSIN

DESIGNED BY: JW
DRAWN BY: JW
CHECKED BY: KC
APPROVED BY: PN
PROJECT NO.: 34881

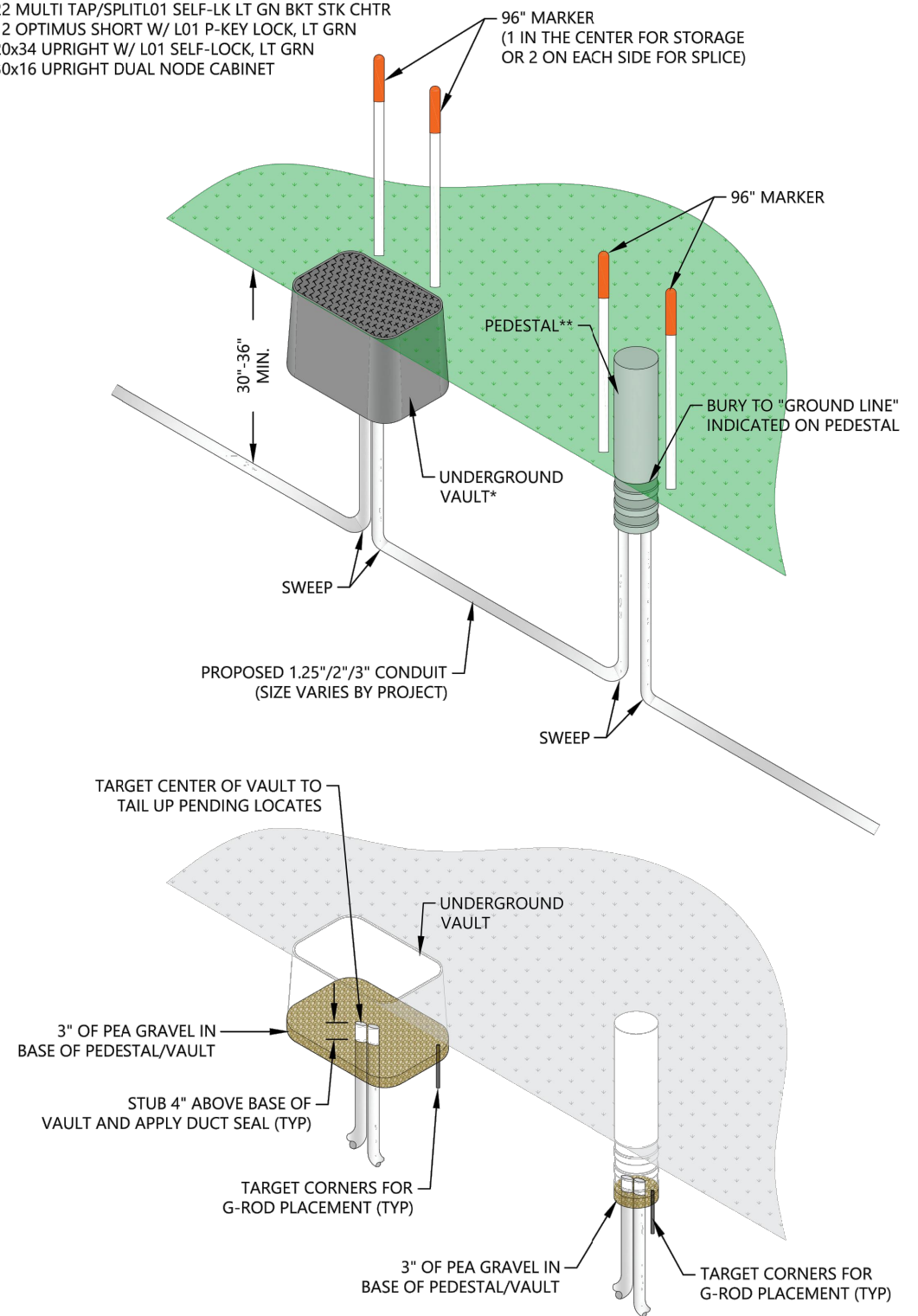
SHEET NO.
C3.01



MINIMUM CLEARANCES

- *UNDERGROUND VAULT VARIES PER PROJECT**
- 24x36x24 HDPE BODY & SHIELD LID TIER 22 WITH CHARTER LOGO
 - 30x48x36 HDPE BODY & SHIELD LID TIER 22 WITH CHARTER LOGO

- **PEDESTAL VARIES PER PROJECT**
- 10x22 MULTI TAP/SPLIT L01 SELF-LK LT GN BKT STK CHTR
 - 12x12 OPTIMUS SHORT W/ L01 P-KEY LOCK, LT GRN
 - 14x20x34 UPRIGHT W/ L01 SELF-LOCK, LT GRN
 - 50x30x16 UPRIGHT DUAL NODE CABINET



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ISSUANCE	4/12/2023
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	X
	X

DETAILS

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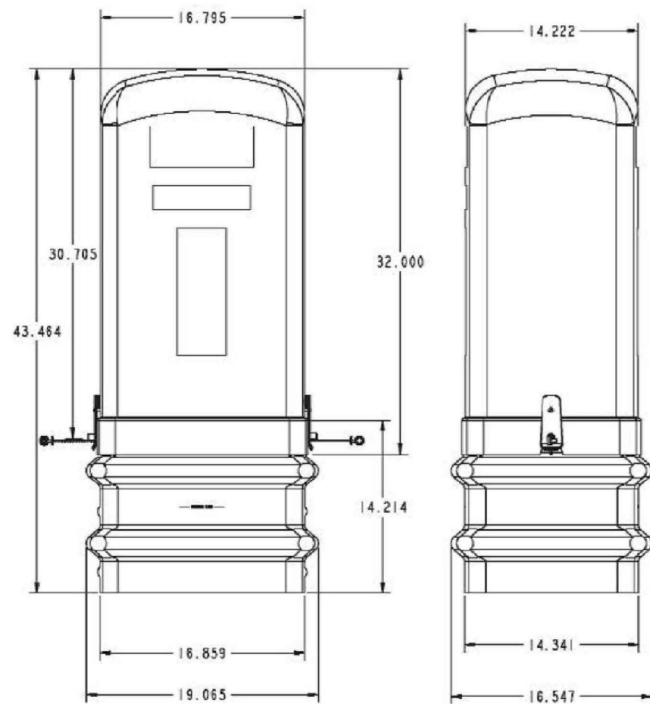
CHARTER FIBER OPTIC INSTALLATION
IND5E - LOCAL ROADS
TOWN OF JEFFERSON & AZTALAN
JEFFERSON COUNTY, WISCONSIN
3-4581-IND5E-LOCAL ROADS DETAILS.DWG

DESIGNED BY:	JW
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PROJECT NO.:	34881

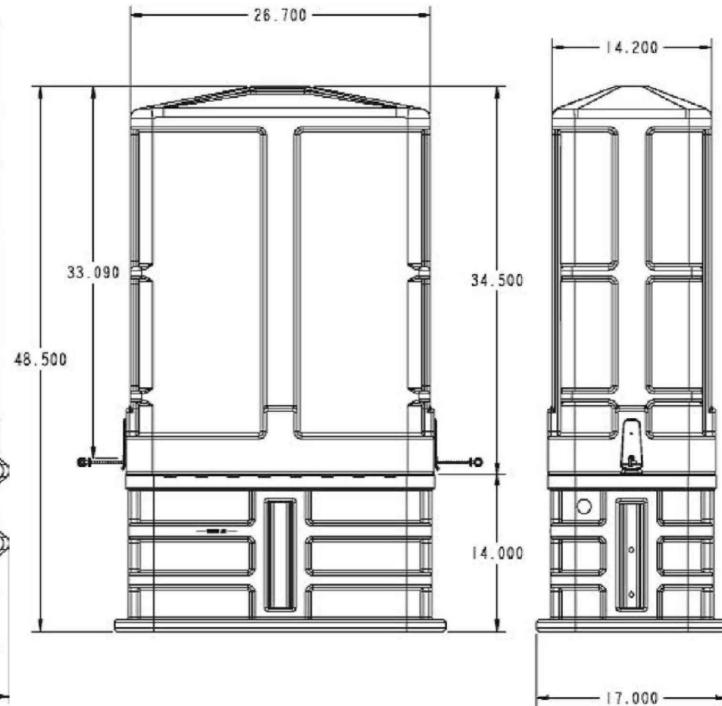
SHEET NO.
C3.02

TYPES OF PEDESTALS USED DURING CONSTRUCTION

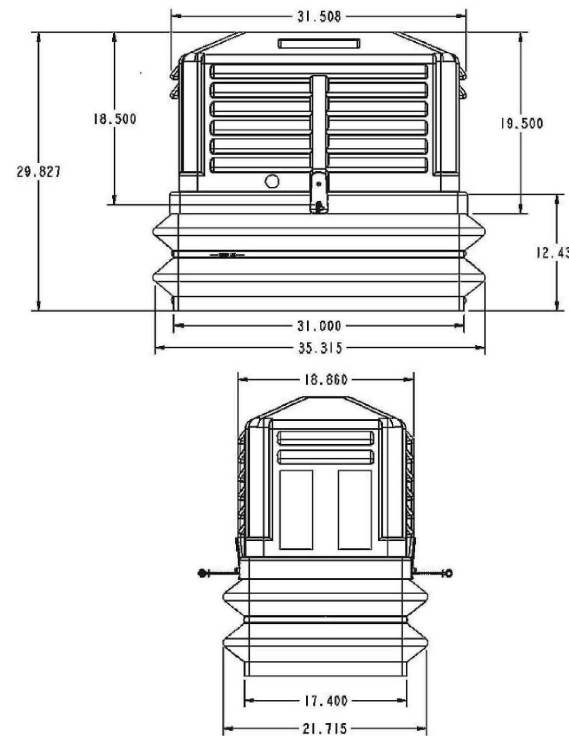
CHARLES PED 4500 (SM)



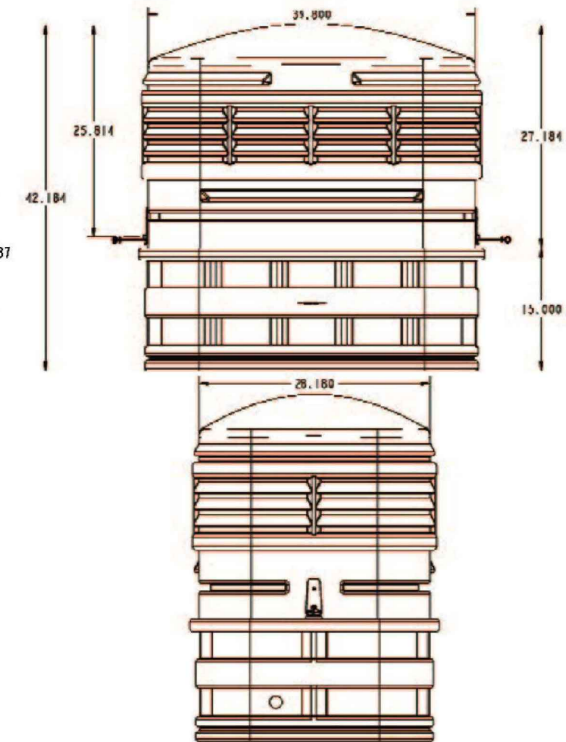
CHARLES PED 5500 (MD)



CHARLES PED 7500 (LG)



CHARLES PED 9500 (XLG)



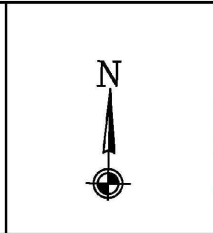
LEGEND

● JOINT POLE	▲ ANCHOR	□ MANHOLE	⚡ NEW GROUND
● NEW JOINT POLE	▲ NEW ANCHOR	○ 107 EXISTING FIBER COIL	— P L E
× POWER POLE	▲ JOINT ANCHOR	○ 109 NEW FIBER COIL	— PROPERTY LINE
× NEW POWER POLE	▲ NEW JOINT ANCHOR	□ EXISTING HAND HOLE	— ROADWAY CENTERLINE
○ TELEPHONE POLE	▲ FOREIGN ANCHOR	□ NEW HAND HOLE	● FIBER WARNING SIGN
○ NEW TELEPHONE POLE	▲ DOWNGUY	○ SHRUBS	⚡ HYDRANT
■ EXISTING PEDESTAL	▲ NEW DOWNGUY	○ DECIDUOUS TREE	⚡ SIGNS
■ NEW PEDESTAL	○ UTILITY VALVE		⚡ STREET LIGHT
			⚡ CONIFEROUS TREE

LINETYPES

— STRAND PROPOSED	— OH	— OH
— STRAND EXISTING	— OH	— OH
— PROPOSED UNDERGROUND	—	—
— JOINT U/G WITH POWER	—	—
— CABLE TV	— TV	— TV
— FIBER	— FC	— FC
— TELEPHONE	— TP	— TP
— CITY CONDUIT	— CC	— CC
— GAS	— G	— G
— ELECTRICAL	— E	— E
— MMSD	— MMSD	— MMSD
— STORM	— STC	— STC
— SANITARY	— SW	— SW
— WATER	— W	— W
— STEAM	— STW	— STW
— ROW	— ROW	— ROW

Charter COMMUNICATIONS
1320 N DR MARTIN LUTHER KING
MILWAUKEE, WI 53212



ADDRESS		LOCATION
FIELD BY: CRS	DATE:	
DRAFTED BY: KAM	DATE:	
DESIGNED BY:	DATE:	
ASBULTS BY:	DATE:	

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ISSUANCE

4/12/2023	
PERMIT SUBMITTAL	X
	X
	X
	X
	X

PEDESTAL DETAILS

NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING

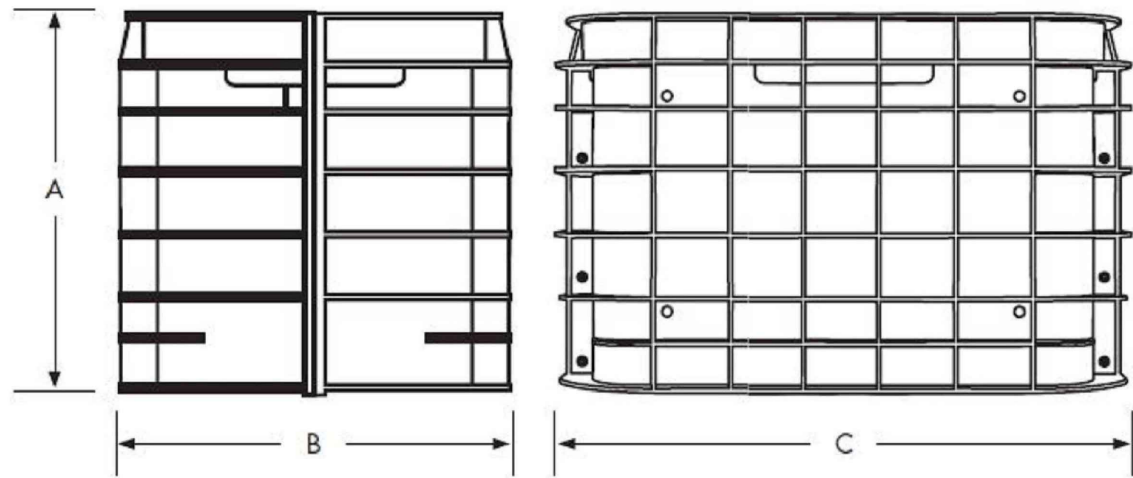
CHARTER FIBER OPTIC INSTALLATION
JND5E - LOCAL ROADS
TOWN OF JEFFERSON & AZTALAN
JEFFERSON COUNTY, WISCONSIN
3-4581-JND5E-LOCAL ROADS DETAILS.DWG

DESIGNED BY: JW	DRAWN BY: JW	CHECKED BY: KC	APPROVED BY: PN	PROJECT NO.: 34881
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SHEET NO.
C3.03

TYPES OF VAULTS USED DURING CONSTRUCTION

CHANNELL SGLB1730 & SGLB2436

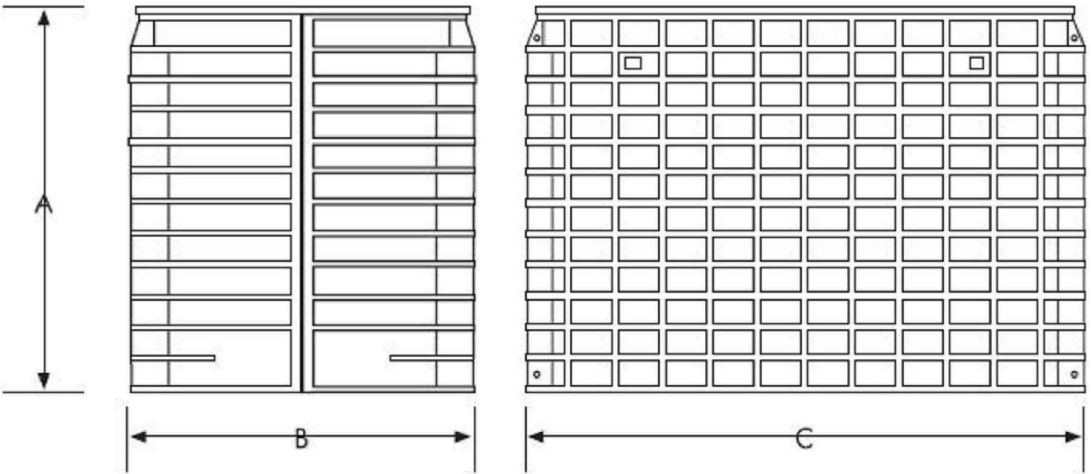


	A	B	C
SGLB1730	24" (609.6mm)	21.75" (552.5mm)	33.25" (845.0mm)
SGLB2436	24" (609.6mm)	28.5" (723.9mm)	40.25" (1022.4mm)

Channell's SGLB1730 and SGLB2436 "Shutter Box" Series SGLBs have the highest strength/deflection ratings in the industry.

	Solid Thermoplastic Cover	Split Thermoplastic Cover	Polymer Concrete with Ring
Application	Greenbelt	Greenbelt	Sidewalk
Static Load	5,000 lbs.	5,000 lbs.	10,000/20,000 lbs.*

CHANNEL SGLB3048-24 & SGLB3048-36



	A	B	C
SGLB3048-24	24" (610mm)	34.75" (883mm)	52.25" (1327mm)
SGLB3048-36	36" (914mm)	34.75" (883mm)	52.25" (1327mm)

	Solid Thermoplastic Cover	Split Thermoplastic Cover	Polymer Concrete with Ring
Application	Greenbelt	Greenbelt	Sidewalk
Static Load	10,000 lbs.	10,000 lbs.	22,500 lbs.*

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VAULT DETAILS

CHARTER FIBER OPTIC INSTALLATION
 JN05E - LOCAL ROADS
 TOWN OF JEFFERSON & AZTALAN
 JEFFERSON COUNTY, WISCONSIN

3-4581-JN05E-LOCAL ROADS DETAILS.DWG

DESIGNED BY: JW	DRAWN BY: JW	CHECKED BY: KC	APPROVED BY: PN	PROJECT NO.: 34881
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SHEET NO.

C3.04



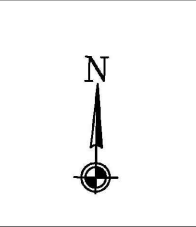
LEGEND

● JOINT POLE	▲ ANCHOR	□ MANHOLE	➡ NEW GROUND
● NEW JOINT POLE	▲ NEW ANCHOR	○ EXISTING FIBER COIL	— PROPERTY LINE
× POWER POLE	▲ JOINT ANCHOR	○ NEW FIBER COIL	— ROADWAY CENTERLINE
× NEW POWER POLE	▲ NEW JOINT ANCHOR	○ EXISTING HAND HOLE	● FIBER WARNING SIGN
○ TELEPHONE POLE	▲ FOREIGN ANCHOR	○ NEW HAND HOLE	⊕ TRAFFIC LIGHT
● NEW TELEPHONE POLE	▲ DOWNGUY	○ SHRUBS	⊕ HYDRANT
— EXISTING PEDESTAL	▲ NEW DOWNGUY	○ DECIDUOUS TREE	⊕ SIGNS
■ NEW PEDESTAL	○ UTILITY VALVE		⊕ STREET LIGHT
			● CONIFEROUS TREE

LINETYPES

STRAND PROPOSED	OH	OH
STRAND EXISTING	OH	OH
PROPOSED UNDERGROUND		
STRAND EXISTING		
JOINT U/G WITH POWER		
CABLE TV	TV	TV
FIBER	FD	FD
TELEPHONE	TD	TD
CITY CONDUIT	CU	CU
GAS	GA	GA
ELECTRICAL	E	E
MMSD	MMSD	MMSD
STORM	ST	ST
SANITARY	SA	SA
WATER	W	W
STEAM	ST	ST
ROW	ROW	ROW

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 MILWAUKEE, WI 53212



ADDRESS		LOCATION	
FILED BY: CRS	DATE:		
DRAFTED BY: KAM	DATE:		
DESIGNED BY:	DATE:		
ASBUILT BY:	DATE:		

ISSUANCE 4/12/2023

PERMIT SUBMITTAL	/	/	/	/	/
	X	X	X	X	X
	X	X	X	X	X
	X	X	X	X	X
	X	X	X	X	X

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CHARTER COMMUNICATIONS ENVIRONMENTAL / EROSION CONTROL NOTES

GENERAL

1. If WDNR permit was obtained for the project, all permit conditions shall be met during construction of the project. Contractor may go to: (<http://dnr.wi.gov/regulations/environmental.html>) for technical assistance on erosion control methods and environmental regulations used by WDNR.
2. No spoils or stock piles may be placed on any roadways, gravel shoulders or wetland areas. All excess spoils are to be removed from wetlands and placed in a suitable upland location.
3. If any spills (i.e. Gas, oil, Hydraulic fluid) occur on site, stop work and contact Charter Construction Supervisor immediately.
4. The contractor is responsible for the disposal of trench spoils, excess excavated and demolished materials.

EROSION CONTROL

5. If soil disturbance occurs on slopes or channels/ditches leading to wetlands or waterways, or within wetlands, the disturbed areas shall be stabilized and appropriate erosion control Best Management Practices (BMP) shall be implemented.
6. Guidance in the proper use of erosion and sediment control products for Charter contract work can be found in the WDOT Product Acceptability List (PAL) available at the following website: (<http://www.dot.wisconsin.gov/business/engrserv/pal.html>). This list contains products that have been approved for use on State of Wisconsin airport, structure, and highway projects.
7. Where stock or spoil piles are allowed, Contractor it to establish and maintain perimeter erosion control around stock piles at all times. Silt fence, silt socks or equivalent will be required around the piles in order to prevent sediment runoff. During severe weather conditions, spoil piles may require tarping or may be trucked off site and returned when needed.
8. Inspect installed erosion control BMPs at least one time per week and after 1/2-inch rain events; Repair as necessary.
9. All areas shall be temporarily stabilized within 14 days of last disturbance.
10. All stockpiles must be temporarily stabilized within 7 days of last disturbance.
11. All disturbed areas must be stabilized within 7 days of reaching final grade.
12. Erosion Mat Class 1 Urban - Type A is required at all disturbed bore pit locations for all installations.

CONTAMINATED SOILS

13. Whenever soil exhibiting obvious signs of contamination (e.g. discoloration, petroleum or solvent odor, free liquids other than water, buried containers or tanks, or other obvious signs of environmental impacts) is encountered during excavation or installation, cease work immediately, take appropriate immediate precautions to ensure worker health and safety, and contact both the Charter Construction Coordinator and the Charter Construction Supervisor.


BORE PITS AND FRAC-OUT CONTINGENCY PLAN

14. Bore pits and stock piles will be protected on the down slope side with silt fence and silt socks to prevent seepage of boring fluids and sediment runoff contamination when work on slopes and/or wetlands.
15. A frac-out contingency plan shall be in place and implemented accordingly. The Contingency plan shall incorporate the following components.
 - a. Continuously inspect the bore path for frac-outs in order to respond quickly and appropriately. Containment Materials (e.g. silt fence, silt socks, sand bags, etc.) shall be on site and available should a frac-out occur.
 - b. Containment Materials (e.g. silt fence, silt socks, sand bags, etc.) shall be on site and available should a frac-out occur.
 - c. A vac truck shall be accessible in order to respond quickly to a frac-out.

WETLANDS

16. As much as practicable, the majority of work will be staged from the public roadways and road shoulders, keeping equipment out of adjacent wetlands.
17. All work will be conducted to minimize soil disturbance. no rutting will be allowed within the wetlands.
18. If soils are not frozen or stable to a point that avoids rutting, timber mats, mud tracks, or equivalent will be utilized to access work locations.
19. Excavated spoils will not be stockpiled in wetlands.
20. All excess spoils will be removed from wetlands and placed in a suitable upland location.
21. Trenching and pit excavations within wetlands will include soil segregation to facilitate restoration of pre-construction soil stratification, and restoration to pre-construction elevations.
22. If soil disturbance occurs on slopes leading to wetlands or within wetlands, the disturbed areas will be stabilized and appropriate erosion control Best Management Practices will be implemented.

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ISSUANCE	4/12/2023	J/J	J/J	J/J
PERMIT SUBMITTAL	X	X	X	X

EROSION CONTROL NOTES

NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING

CHARTER FIBER OPTIC INSTALLATION
JN05E - LOCAL ROADS
TOWN OF JEFFERSON & AZTALAN
JEFFERSON COUNTY, WISCONSIN

3-4581-JN05E-LOCAL ROADS DETAILS.DWG

DESIGNED BY: JW	DRAWN BY: JW	CHECKED BY: KC	APPROVED BY: PN	PROJECT NO.: 34881
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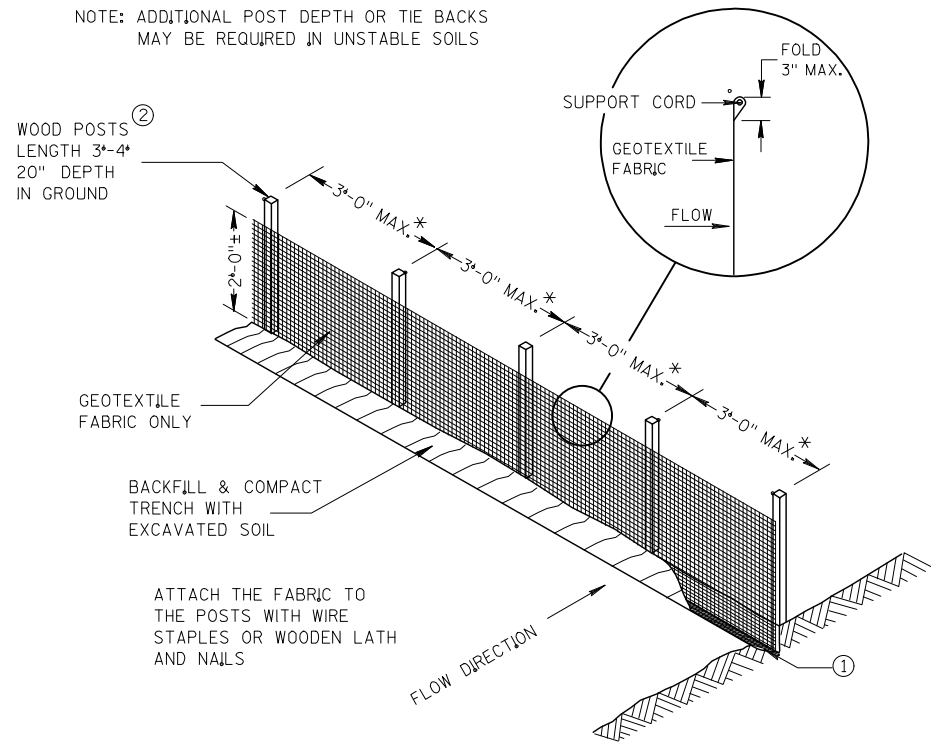
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GENERAL NOTES

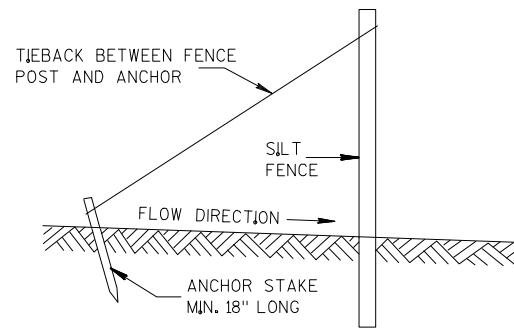
- ① TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- ② WOOD POSTS SHALL BE A MINIMUM SIZE OF 1/8" X 1/8" OF OAK OR HICKORY.
- ③ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS: A) TWIST METHOD -- OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK METHOD -- HOOK THE END OF EACH SILT FENCE LENGTH.

NOTE: ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS

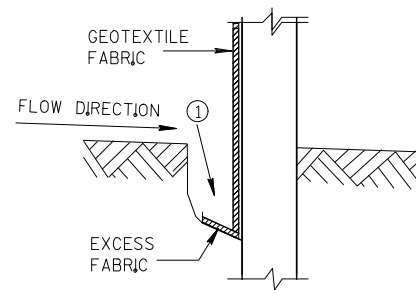


* NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

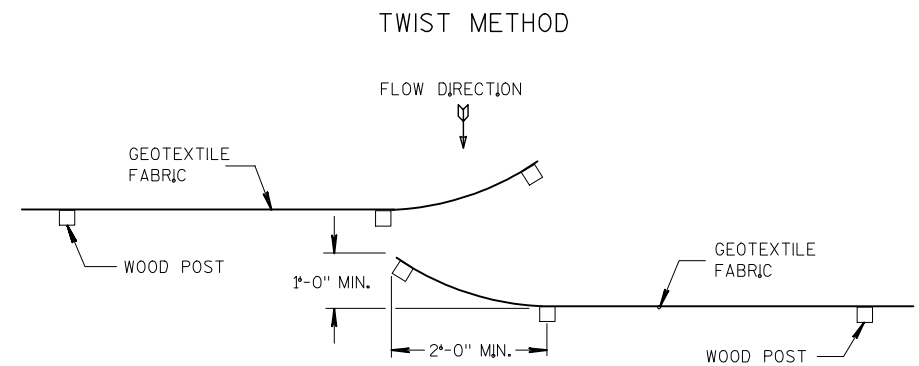
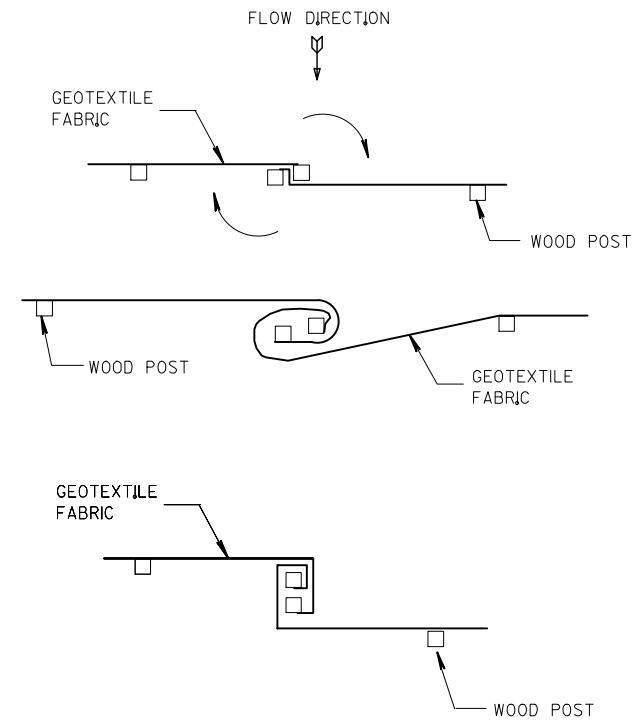
SILT FENCE



SILT FENCE TIE BACK
(WHEN ADDITIONAL SUPPORT REQUIRED)



TRENCH DETAIL



JOINING TWO LENGTHS OF SILT FENCE ④

This drawing based on Wisconsin Department of Transportation Standard Detail Drawing 8 E 9-6.

SILT FENCE

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ISSUANCE	4/12/2023
PERMIT SUBMITTAL	X
	X
	X
	X
	X

EROSION CONTROL DETAILS

CHARTER FIBER OPTIC INSTALLATION
 JND5E - LOCAL ROADS
 TOWN OF JEFFERSON & AZTALAN
 JEFFERSON COUNTY, WISCONSIN
 3-4581-JND5E-LOCAL ROADS DETAILS.DWG

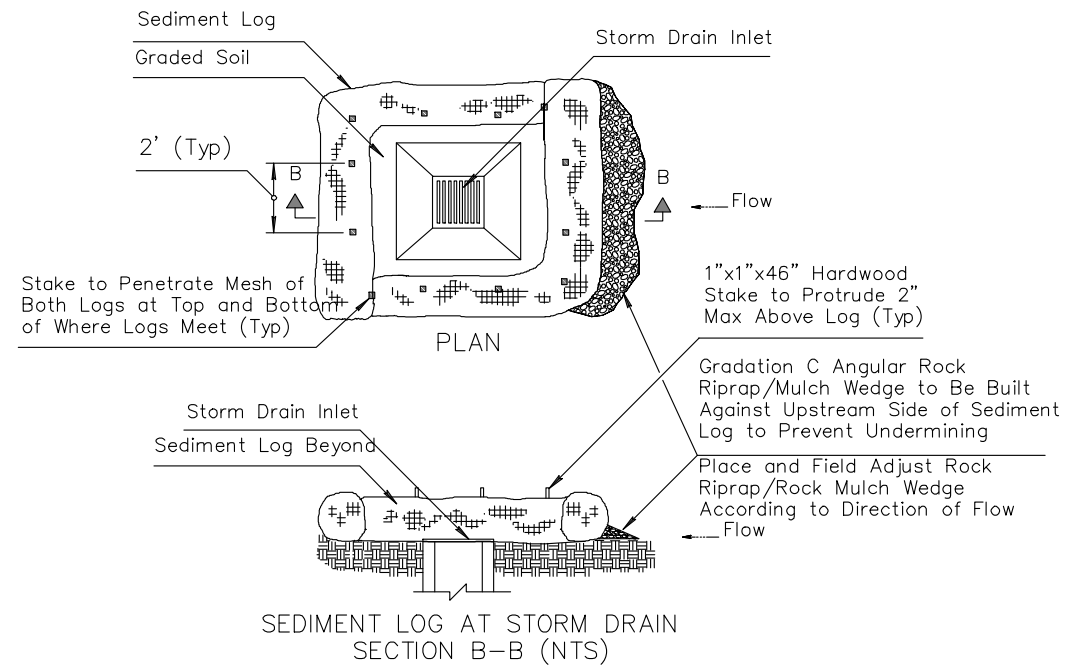
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PROJECT NO.:	34881

SHEET NO.

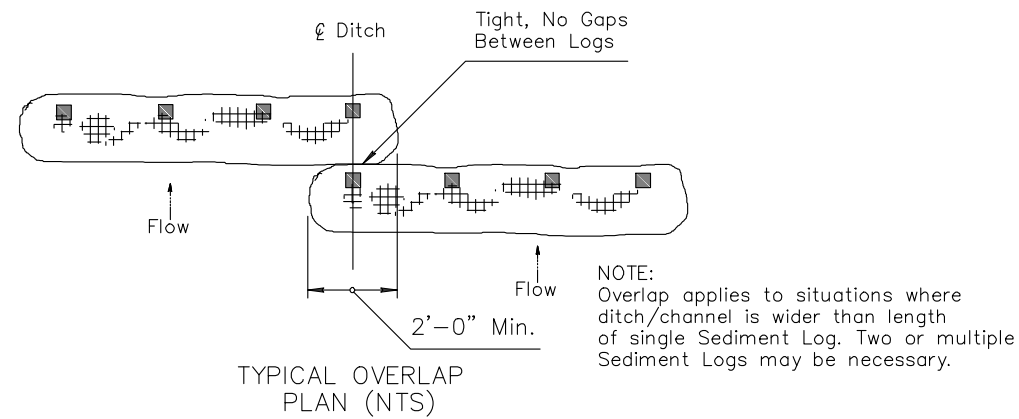
C4.02

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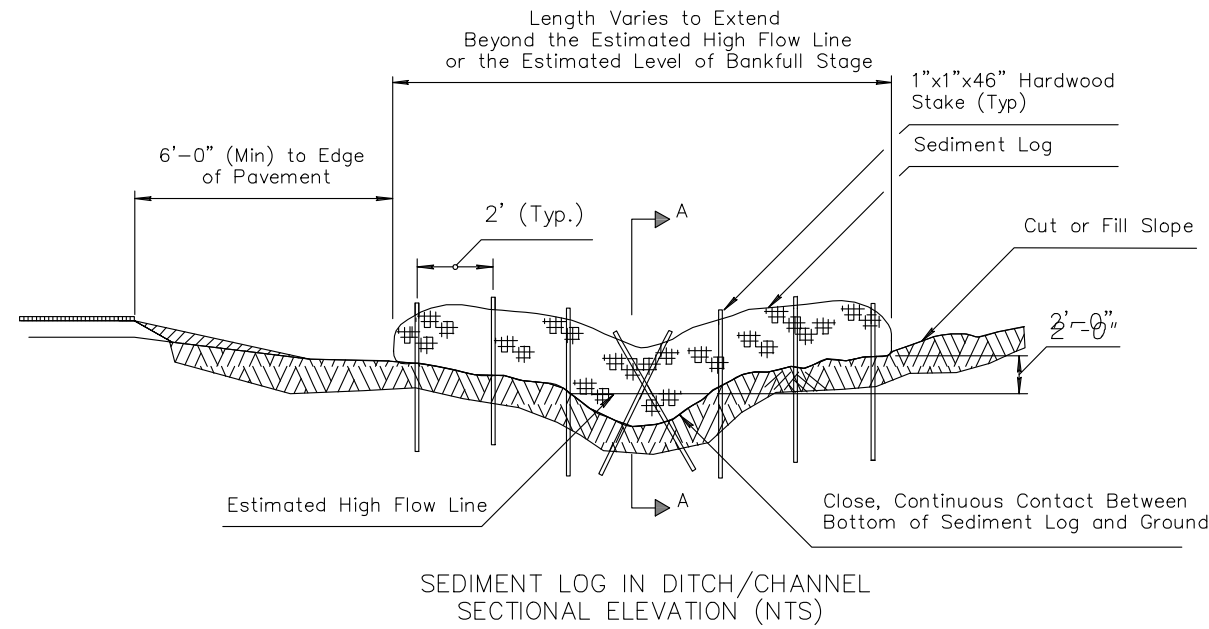


SEDIMENT LOG AT STORM DRAIN SECTION B-B (NTS)

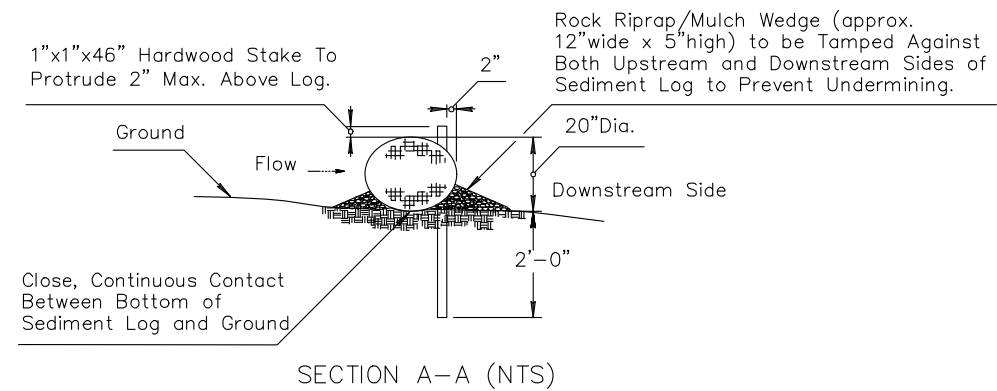


TYPICAL OVERLAP PLAN (NTS)

- NOTES:
1. Locate Sediment Logs as indicated in plans, SWPPP or as directed by the Engineer.
 2. Select, install and maintain Logs per manufacturers' specifications and good engineering practices.
 3. Lay sediment log across prepared ditch or channel. Trenching or burial of Sediment Logs is not required. The close, continuous contact between the bottom of the Log and the ground is mandatory. The Logs shall be installed in the ditch, swale or channel bottom perpendicular to the flow of water as shown on detail this sheet.
 4. Stake Log as shown. Stakes shall be placed through downstream side only as shown.
 5. DO NOT drive stakes through center of the log. Stakes must be driven into the ground as shown.
 6. Ensure that no gaps exist between soil and bottom of Sediment Log. Repair any rills or undercuts promptly.
 7. Placement of Sediment Logs shall be evaluated by the Engineer in rocky soil conditions.
 8. Remove Sediment Log BMPs within the ditches/channels and around the storm drain inlets as per the Direction of the Engineer or as soon as practicable upon stabilization of the construction disturbed area.
 9. Dispose of Sediment Logs and trapped sediment material and fill trench created by Sediment Log.
 10. The installation and maintenance of Sediment Log BMPs shall not negatively impact traffic safety, nor the designed function of roadway or bridge drainage facilities. Sediment Logs shall be installed and maintained to carry the stormwater of at least 2-year, 24-hour events.
 11. Field adjust and correct Sediment Log BMP immediately if it is causing flooding, erosion, and/or affecting roadway safety.



SEDIMENT LOG IN DITCH/CHANNEL SECTIONAL ELEVATION (NTS)



SECTION A-A (NTS)

SEDIMENT LOG INSTALLATION DETAILS

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ISSUANCE	DATE	DESCRIPTION
PERMIT SUBMITTAL	4/12/2023	
X		
X		
X		
X		

EROSION CONTROL DETAILS

NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING

CHARTER FIBER OPTIC INSTALLATION
JN05E - LOCAL ROADS
TOWN OF JEFFERSON & AZTALAN
JEFFERSON COUNTY, WISCONSIN

3-4581-JN05E-LOCAL ROADS DETAILS.DWG

DESIGNED BY:	JW
DRAWN BY:	JW
CHECKED BY:	KC
APPROVED BY:	PN
PROJECT NO.:	34881

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ISSUANCE	4/12/2023
PERMIT SUBMITTAL	<input checked="" type="checkbox"/>
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	<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/>

EROSION CONTROL DETAILS

NOTE: DIMENSIONAL DATA IS NOT TO BE OBTAINED BY SCALING ANY PORTION OF THIS DRAWING

CHARTER FIBER OPTIC INSTALLATION
 JN05E - LOCAL ROADS
 TOWN OF JEFFERSON & AZTALAN
 JEFFERSON COUNTY, WISCONSIN
 34581-JN05E-LOCAL ROADS DETAILS.DWG

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DRAWN BY:	JW
CHECKED BY:	KC
APPROVED BY:	PN
PROJECT NO.:	34581

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C4.04

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