metronet

TELEPHONE COMPANY:

INSTALLATION OF:

THE SCOPE OF WORK CONSISTS OF:

8,330' OF 1.25" CONDUIT DIRECTIONAL BORE
(1) L-HANDHOLE 30X48X24

(7) B-HANDHOLE 17X30X18(UTILITY BOX) (7) TB- HANDHOLE 13X24X15(TERMINAL BOX) (23) DB- HANDHOLE 11X11X10 (DROP BOX)

4,958' OF UNIQUE CONDUIT

(0) M-HANDHOLE 24X36X18

SCOPE OF WORK

· ALL MATERIAL SHALL BE INSTALLED BY THE CONTRACTOR, UNLESS STATED OTHERWISE.

• APPROX. 6,367' OF AERIAL FIBER

APPROX. 4,842' OF 24CT FIBER APPROX. 2,235' OF 48CT FIBER

PHONE:

TASK NAME: WILC003-U-S4

TASK DESCRIPTION: FIBER OPTIC CONDUIT PLACEMENT

SITE LOCATION: LACROSSE, WI, USA

metronet
3701 COMMUNICATIONS WAY

EVANSVILLE, IN. 47715



I 100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 DESIGN FIRM NO. 184.008202-0006

SITE LOCATION MAP PROJECT INFORMATION TASK NAME: WILC003-U-S4 ISSUED FOR REVIEW TASK DESCRIPTION: FIBER OPTIC CONDUIT PLACEMENT Springbrook Park Broadview Pl SITE LOCATION: LACROSSE, WI, USA -Holly-PI-UNDERGROUND FIBER-OPTIC CONSTRUCTION SITE TYPE: HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND CONTROL, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE CODES. WORK AREA Greenhills Pl Apartments 🖸 JURISDICTION: LACROSSE, WI, USA APN: Mater Red ZONING CLASSIFICATION: House of Fo Shelby Rd OCCUPANCY TYPE: Matt's Auto Repair Peace St CONSTRUCTION TYPE APPLICANT: ADDRESS: METRO FIBERNET, LLC 3701 COMMUNICATIONS WAY n Animal 👩 EVANSVILLE, IN, 47715 al Center CONTACT: TARAN WELCHLIN PHONE: (608) 606-2043 TARAN.WELCHLIN@METRONET.COM EMAIL: sippi River Tri-State Home inspections NOTE: DRAWING SCALES ARE FOR 11"x17" SHEETS UNLESS OTHERWISE NOTED PROJECT CONSULTANTS PROJECT MANAGER: FULLERTON ENGINEERING CONSULTANTS, LLC ADDRESS: 1100 E. WOODFIELD ROAD, SUITE 500 Levy Lr CONTACT: MICHELLE KAMINSKI PHONE: (616) 262-5967 WILC003-U-S4 MKAMINSKI@FULLERTONENGINEERING.COM EMAIL: Solaris Ln FULLERTON ENGINEERING CONSULTANTS, LLC ENGINEER: Security Self Storage 1100 E. WOODFIELD ROAD, SUITE 500 ADDRESS: TASK DESCRIPTION SCHAUMBURG, ILLINOIS 60173 FIBER OPTIC CONDUIT EOR: DAN SMITH, P.E. PHONE: 847-908-8521 **PLACEMENT** DSMITH@FULLERTONENGINEERING.COM EMAIL: POWER COMPANY: Clayton F Johns PHONE: LACROSSE, WI, USA

SHEET SCALE

SHEET TITLE

GRID NUMBER

SHEET NUMBER

NO SCALE

N.T.S.

TITLE SHEET

Sherwood Park

SHEET NUMBER	SHEET TITLE	SHEET NUMBER	SHEET TITLE
T-1	TITLE SHEET		
T-2	SHEET INDEX		
T-3	LEGEND		
GN-1	GENERAL NOTES		
MAP-1	MAP		
C-001	DESIGN LAYOUT		
C-002	DESIGN LAYOUT		
C-003	DESIGN LAYOUT		
C-004	DESIGN LAYOUT		
C-005	DESIGN LAYOUT		
C-006	DESIGN LAYOUT		
C-007	DESIGN LAYOUT		
C-008	DESIGN LAYOUT		
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C-28	DESIGN LAYOUT		
D-1	DETAILS		
D-2	DETAILS		
D-3	DETAILS		
D-4	DETAILS		
TCP-1	TRAFFIC CONTROL STANDARD		
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3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715



I 100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 DESIGN FIRM NO. 184.008202-0006 www.fullerton-us.com

REV	DATE	DESCRIPTION	BY
Α	03/01/24	ISSUED FOR REVIEW	SN

I HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND CONTROL, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE CODES.

TASK NAME

WILC003-U-S4

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA

LACROSSE, WI, USA

SHEET SCALE

N.T.S.

SHEET TITLE

SHEET INDEX

GRID NUMBER

SHEET NUMBER

T-2

LEGEND

		OMMUNICATIONS WAY ANSVILLE, IN, 47715	
)LE	1100 E. WO SCHAUI T DESIGN F	ODFIELD ROAD, SUITE 500 MBURG, ILLINOIS 60173 'EL: 847-908-8400 IRM NO. 184.008202-0006 ww.fullerton-us.com)
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COMMUNICATIONS	COMMU	JNICA	ATIO	NS
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	PROPOSED OPEN CUT TRENCH		HH	PROPOSED M-HANDHOLE(24X36X18)	——— A
	PROPOSED DIRECTIONAL BORE		В	PROPOSED B-UTILITY BOXES(17X30X18)	
	PROPOSED BORE PIT		ТВ	PROPOSED TERMINAL BOXES(13X24X15)	——с
LHH	PROPOSED L-HANDHOLE(30X48X24))	DB	PROPOSED DROP BOXES(11X11X12)	—— М
A	PROPOSED AERIAL FIBER				
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		SEWER			
)	EXISTING SEWER MAIN			EXISTING SEWER MANHOLE	— UF —
	EXISTING SEWER MAIN (ABANDON)		(1)	EXISTING SEWER CATCH BASIN	
>	EXISTING STORM SEWER MAIN			EXISTING SEWER INLET	
S	EXISTING STORM MANHOLE				
					×
		WATER			
w	EXISTING WATER MAIN	<u></u>	(W)	EXISTING WATER MANHOLE	c
	EXISTING WATER MAIN (ABANDON)		⊗	EXISTING WATER VALVE	R/
4 50	EXISTING WATER SHUT OFF		•	EXISTING WATER METER	4
F	EXISTING FIRE CISTERN MANHOLE		.	EXISTING FIRE HYDRANT	
Ε	EXISTING WATER CAP		▶	EXISTING WATER REDUCER	6
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G	EXISTING GAS MAIN		\otimes	EXISTING GAS MANHOLE	χ
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EXISTING STREET LIGHT POLE

EXISTING TRAFFIC LIGHT POLE

EXISTING ELECTRIC MANHOLE

EXISTING ELECTRIC HANDHOLE

EXISTING RED LIGHT FLASH POLE

EXISTING DEO POLE

EXISTING DEO/ELECTRIC

EXISTING STREET LIGHT CONTROL BOX

EXISTING TRAFFIC LIGHT CONTROL BOX

EXISTING STREET LIGHT HANDHOLE

EXISTING TRAFFIC LIGHT HANDHOLE

EXISTING RED LIGHT CAMERA POLE

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PROPOSED

ATT	EXISTING AT&T		EXISTING AT&T MANHOLE
/ATT	EXISTING AT&T (ABANDON)	(A)	EXISTING ATAT MANHOLL
co	EXISTING COMMUNICATIONS	<u>©</u>	EXISTING COMMUNICATIONS MANHOLE
MCI	EXISTING MCI	MC	EXISTING MCI
——— SP ———	EXISTING SPRINT	(SP)	EXISTING SPRINT/NEXTEL MANHOLE
SN	EXISTING SUNESYS	(SN)	EXISTING SUNESYS MANHOLE
VZ	EXISTING VERIZON	(VZ)	EXISTING VERIZON MANHOLE
- UF	EXISTING CITY FIBER		

MISCELLANEOUS

x	EXISTING FENCE	?	EXISTING MISCELLANEOUS MANHOLE
O	EXISTING CONSTRUCTION FENCE	G	EXISTING GARBAGE CAN
o	EXISTING GUARDRAIL	(P)	EXISTING PARK DISTRICT MANHOLE
R/W	EXISTING PROPERTY LINE/ R.O.W.	M	EXISTING MONITORING WELL
d—— D	EXISTING BIKE RACK	F	EXISTING FIRE ALARM
	EXISTING TREE	P	EXISTING STREET PARKING PAY BOX
<u>(3</u>)	EXISTING BUSH		EXISTING PEDESTAL
- 0	EXISTING STREET SIGN POST	M	EXISTING MAILBOX
®	EXISTING POST/BOLLARD	N	EXISTING NEWSPAPER BOX
¤	EXISTING GROUND LIGHT		EXISTING PHONE
₩ ○ *	EXISTING UTILITY POLE	S	EXISTING SPRINKLER CONTROL BOX
Ω	EXISTING STANDPIPE	S	EXISTING SPRINKLER VALVE
ADA	EXISTING ADA RAMP	H	EXISTING SUPPORT COLUMN

T-3

SHEET NUMBER

- 1. THE ENCLOSED DESIGN MAY IMPLY EXISTING UTILITIES. THE UTILITIES HAVE NOT BEEN FIELD VERIFIED FOR LOCATION. THEREFORE, ALL UTILITIES IMPLIED WITHIN THIS DOCUMENT ARE TO BE REFERRED TO AS A "REFERENCE TOOL". IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND/OR IT'S SUBCONTRACTOR TO VERIFY THESE UTILITIES USING ANY AND ALL METHODS AND INSTRUMENTS AVAILABLE IF/WHEN NECESSARY. FULLERTON CANNOT IN GOOD FAITH GUARANTEE UTILITY LOCATIONS. ANY AND ALL DOCUMENTATION ON EXISTING UTILITIES HAS BEEN IMPLIED UTILIZING INFORMATION RETRIEVAL PROCESSES FROM EACH JURISDICTION INVOLVED (STATE, COUNTY AND/OR MUNICIPALITY, TO INCLUDE OTHERS).
- 2. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE ALL CONDUITS ARE PLACED WITHIN THE GIVEN & DEDICATED SPACE LICENSED FOR THIS PARTICULAR CLIENT. FULLERTON ENGINEERING CONSULTANTS, INC. (FULLERTON) WAS NOT RETAINED FOR THE PURPOSE OF SUPPORTING A SURVEY OF THE AREA AND PROPERTY BOUNDARIES, THEREFORE FULLERTON CAN NOT AND WILL NOT SUPPORT THE ACCURACY OF ANY IMPLIED BOUNDARY (I.E. PUBLIC WAY, PRIVATE PROPERTY, EASEMENT ETC.) NOR IS IT TO BE ASSUMED THAT THE SALE OF PROPERTIES HAS NOT OCCURRED DURING & AFTER FULLERTON'S RESPONSIBILITIES FOR THIS PROJECT HAVE PAST. ALL BOUNDARIES, EASEMENTS, PROPERTY LINES, ETC. ARE TO BE USED AS A GUIDELINE OR REFERENCE AND SHOULD NOT BE TAKEN LITERALLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE ASSOCIATED BOUNDARIES SURVEY STAKED IF SO QUESTIONED. ALL ASPECTS OF BOUNDARIES IMPLIED HEREIN, HAVE BEEN DERIVED THROUGH AVAILABLE MEDIA SUCH AS BUT NOT LIMITED TO (SIDWELL, GOOGLE EARTH PRO. MUNICIPAL, STATE, COUNTY, GIS, AND OTHER RECORD TYPES). FULLERTON DOES NOT AGREE NOR DISAGREE WITH THE ABOVE-MENTIONED RECORDS AS THEY ARE USED JUST A REFERENCE TOOL.
- 3. ALL BURIED OBSTRUCTIONS KNOWN BY FULLERTON ARE SHOWN ON THE CONSTRUCTION DRAWINGS. ANY AND ALL OTHERS ENCOUNTERED DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PROTECT.
- 4. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY
- 5. SHORING MAY BE REQUIRED AND SHALL COMPLY TO O.S.H.A. STANDARDS.
- ALL BURIED CONDUIT/CABLE WILL BE PLACED AT MINIMUM 30-48" COVER UNLESS SPECIFIED OR OTHERWISE NOTED ON THE CONSTRUCTION DRAWINGS.
- ANY AND ALL IMPROVEMENTS, IF DAMAGED, SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION. THIS INCLUDES BUT IS NOT LIMITED TO: ASPHALT, CONCRETE PAVEMENT, CURBS, GUTTERS, SIDEWALKS, DRAINAGE DITCHES, EMBANKMENTS, SHRUBS, TREES, GRASS SOD, ETC..
- 8. ALL FIBER INSTALLATIONS SHALL OBSERVE A MINIMUM DYNAMIC BEND RADIUS OF 20X THE CABLE DIAMETER FOR ALL OSP FIBER SHEATHS AND 15X THE CABLE DIAMETER FOR ALL ISP FIBER SHEATHS. ADDITIONALLY, ALL INSTALLATIONS SHALL OBSERVE A MINIMUM STATIC BEND RADIUS OF 15X THE CABLE DIAMETER FOR ALL OSP FIBER SHEATHS AND 10X THE CABLE DIAMETER FOR ALL ISP FIBER SHEATHS. IF THE MANUFACTURER'S SPECIFICATIONS FOR BEND RADIUS ARE GREATER, THEN THEY SHALL BE FOIL OWED.
- 9. ALL NEW METALLIC AERIAL STRAND SHALL BE BONDED/GROUNDED (PREFERABLY TO THE POWER COMPANY NEUTRAL) PER LOCAL REQUIREMENTS. AT A MINIMUM, THE BONDING/GROUNDING PATTERN SHALL BE THE FIRST AND LAST POLE OF A RUN AND EVERY TENTH POLE IN THE RUN. SHOULD ONE OF THESE DESIGNATED POLES SUPPORT A POWER TRANSFORMER, THE POLES ON EITHER SIDE OF SAID POLE SHALL BE BONDED/GROUNDED AND THE PATTERN SHOULD CONTINUE EVERY TENTH POLE FROM THAT STARTING POINT.
- 10. ALL AERIAL FIBER OPTIC CABLES SHALL BE SECURELY LASHED TO AERIAL STRAND BY METHOD OF MECHANICAL LASHING CARRIAGE OR APPROVED EQUAL.
- 11. ALL FIBER OPTIC CABLES INSTALLED BELOW GRADE SHALL BE OF AN ARMORED VARIETY WITH METALLIC INNER SHEATH, OR BE PLACED WITH A METALLIC LOCATING WIRE TO FACILITATE FUTURE LOCATING SERVICES.
- 12. ALL CONDUIT OR DUCT CONSTRUCTION SHALL INCLUDE THE PLACEMENT OF PULLING TAPE OF SUFFICIENT SIZE AND GRADE TO FACILITATE THE INSTALLATION OF THE SPECIFIED FIBER TYPE THROUGH CONDUIT BEING UTILIZED (JETLINE USE TO BE APPROVED BY CLIENT).
- 13. ALL FUSION SPLICING SHALL BE COMPLETED BY A QUALIFIED FIBER SPLICER IN A CLEAN TEMPERATURE CONTROLLED TRUCK, TRAILER, OR SHELTER SPECIFICALLY TOOLED OR DESIGNED FOR THE PURPOSE OF FUSION SPLICING FIBER OPTIC CABLES IN A FIELD ENVIRONMENT.
- 14. ALL MECHANICAL SPLICES AND FACTORY ENDS SHALL BE KEPT CLEAN AND FREE FROM DUST, DIRT, OILS, AND SMEARS. CARE SHOULD BE TAKEN TO MATCH POLISH TYPES ON FACTORY ENDS.
- 15. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL CORRECTIONS TO WORK IDENTIFIED AS UNACCEPTABLE BY CLIENT, ENGINEER, OR INSPECTOR, DURING SITE INSPECTION ACTIVITIES AND/OR AS A RESULT OF TESTING. CONTRACTOR SHALL ALSO PROVIDE ALL AS-BUILT INFORMATION UPON COMPLETION OF INSPECTION.
- 16. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH. AT THE COMPLETION OF THE WORK, CONTRACTOR SHALL REMOVE FROM THE SITE ALL REMAINING RUBBISH, IMPLEMENTS, TEMPORARY FACILITIES, AND SURPLUS MATERIALS. CONTRACTOR TO RETURN SITE TO PREVIOUS OR BETTER CONDITION.
- 17. DRAWINGS ARE INTENDED TO SHOW DESIGN INTENT. CONTRACTOR SHALL PROVIDE MATERIALS AND LABOR AS REQUIRED TO PRODUCE A COMPLETE AND FUNCTIONING SYSTEM WHILE MEETING ALL CODES AND SPECIFICATIONS. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS. SUCH MODIFICATIONS SHALL BE INCLUDED IN THE WORK. SAID DESIGN IS INTENDED TO AVOID DISRUPTION OF ANY HANDICAP RAMPS OR STRUCTURES AS DESCRIBED PER THE AMERICANS WITH DISABILITIES ACT OF 1990.
- 18. CONTRACTOR SHALL WORK WITH CLIENT TO IDENTIFY ALL CONTRACTOR SUPPLIED MATERIALS TO CONSTRUCT NETWORK PER

SPECIFICATIONS.

- 19. THE CONTRACTOR SHALL PROVIDE ALL MATERIAL, EQUIPMENT, LABOR, INSTALLATION, RESTORATION, UTILITY RELOCATION CHARGES, JOB SITE DELIVERY COSTS AND INCIDENTALS TO COMPLETE THE DESCRIBED OR ILLUSTRATED WORK UNDER THIS CONTRACT
- 20. ANY CHANGE-ORDER REQUEST MUST BE PRESENTED IN WRITING TO THE OWNER'S REPRESENTATIVE AND APPROVED PRIOR TO PROCEEDING WITH THE REQUESTED CHANGE.
- 21. THE ENGINEER WILL NOT BE RESPONSIBLE NOR ASSUME ANY LIABILITY FOR NEGLIGENT ACTS OR ERRORS OF OMISSIONS OF ANY CONTRACTOR, ANY SUBCONTRACTOR, OR ANY OF THE PERSONS (EXCEPT ENGINEER'S OWN EMPLOYEES) AT THE PROJECT SITE OR OTHERWISE PERFORMING ANY OF THE WORK OF THE PROJECT. ANY CONTRACTOR OR SUBCONTRACTOR, AS WELL AS THE ENGINEER, WILL BE RESPONSIBLE FOR HIS OWN SAFETY PROGRAM. NEITHER THE PROFESSIONAL ACTIVITIES OF THE ENGINEER, NOR THE PRESENCE OF THE ENGINEER OR HIS OR HER EMPLOYEES AND SUB-CONSULTANTS AT THE CONSTRUCTION SITE, SHALL RELIEVE ANY CONTRACTOR OF HIS OR HER OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING, SUPERINTENDING OR COORDINATING ALL PORTIONS OF THE WORK OF CONSTRUCTION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES. THE ENGINEER AND HIS OR HER PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR OTHER ENTITY OR THEIR EMPLOYEES IN CONNECTION WITH ANY HEALTH OR SAFETY PRECAUTIONS.
- 22. ALL MATERIALS INSTALLED WITHIN THE LIMITS OF THIS PROJECT SHALL BE IN CONFORMANCE WITH STANDARD RECOMMENDATIONS OF THE NATIONAL ELECTRIC MANUFACTURER'S ASSOCIATION (NEMA) AND THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).
- 23. THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND COMPLY WITH THE REQUIREMENTS OF ALL AGENCIES HAVING JURISDICTION OVER THE WORK AND SHALL COORDINATE HIS WORK WITH THE WORK PERFORMED BY OTHERS FOR THE PURPOSE OF INSTALLATION. THIS INCLUDES, BUT IS NOT LIMITED TO, ALL WORK WITH ALL PUBLIC AND PRIVATE UTILITIES AS WELL AS CITY AND STATE AGENCIES.
- 24. CONTRACTOR SHALL RECORD THE LOCATION AND ELEVATION OF ALL UTILITIES ENCOUNTERED, AND INSTALLATION OF NEW WORK, AS THE WORK PROGRESSES AND SHALL PREPARE RECORD DRAWINGS (RED-LINES) BASED ON HIS RECORDS. AS A PART OF THE RECORD DRAWINGS, CONTRACTOR SHALL ALSO PROVIDE HORIZONTAL AND VERTICAL CONFIGURATION OF CONDUITS WHERE MULTIPLE CONDUITS ARE INSTALLED. THESE RECORDS ARE TO BE SUPPLIED TO FULLERTON ENGINEERING AT COMPLETION OF WORK
- 25. MAINTAIN MORE THAN 2'-0" VERTICAL CLEARANCE AND MORE THAN 4'-0" HORIZONTAL CLEARANCE BETWEEN EXISTING SEWER OR SEWER STRUCTURES AND UTILITY. IF CITY SEWER FACILITIES ARE DAMAGED DURING CONSTRUCTION, IT MUST BE REPORTED TO CITY ENGINEERING SECTION AND MUST BE REPAIRED BY A LICENSED DRAIN LAYER UNDER THE SUPERVISION OF THE MASON INSPECTOR
- 26. NO STORAGE OF EQUIPMENT OR MATERIALS IN THE ROADWAY IS PERMITTED UNLESS THE CONTRACTOR OBTAINS WRITTEN PERMISSION FROM THE CITY, STATE, AND/OR GOVERNING BODY.
- 27. CONTRACTOR RESPONSIBLE FOR OBTAINING AND PROVIDING REVIEW AND DESIGN OF ANY AND ALL SHORING SYSTEMS PRIOR TO CONSTRUCTION.
- 28. THE ENGINEER SHALL BE NOTIFIED FOR DISPOSITION OF SITUATIONS WHERE THE CONDUIT CANNOT MAINTAIN SEPARATIONS PER PLAN.
- 29. THE CONTRACTOR IS RESPONSIBLE FOR THE RESTORATION OF THE AREAS DISTURBED BY CONSTRUCTION ACTIVITIES.

 CONTRACTOR IS TO PAY ALL FEES AND OBTAIN ALL PERMITS FOR RESTORATION. CONTRACTOR IS TO RESTORE ALL DAMAGED STRUCTURES AND UTILITIES TO THE SATISFACTION OF THE FACILITY OWNER OR THE GOVERNING BODY, IN THE EVENT THAT DAMAGE OCCURS
- 30. 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 GAS MAIN(S) PRIOR TO CROSSING AND WORKING WITHIN 3 FEET 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 EDGE TO EDGE CLEARANCE FOR GAS MAINS WITH DIAMETERS 18 INCHES AND LARGER IN DIAMETER. THE USE OF CONCRETE, FLOW FILL, OR THE LIKE IS PROHIBITED WITHIN 24 INCHES OF ALL GAS FACILITIES, NOR SHALL IT ENCASE ANY GAS FACILITY. SAND IS TO BE USED AS A BUFFER BETWEEN FLOWABLE FILL AND ALL GAS FACILITIES, ANY DAMAGE TO GAS FACILITIES SHALL BE THE RESPONSIBILITY OF THE INSTALLING UTILITY AND THEIR CONTRACTORS.

metronet

3701 COMMUNICATIONS WAY EVANSVILLE, IN. 47715



1100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 DESIGN FIRM NO. 184.008202-0006 www.fullerton-us.com

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TASK NAM

WILC003-U-S4

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA

LACROSSE, WI, USA

SHEET SCALE

N.T.S.

SHEET TITLE

GENERAL NOTES

GRID NUMBER

SHEET NUMBER

GN





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WILC003-U-S4

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT AF

LACROSSE, WI, USA

SHEET SCALE

N.T.S.

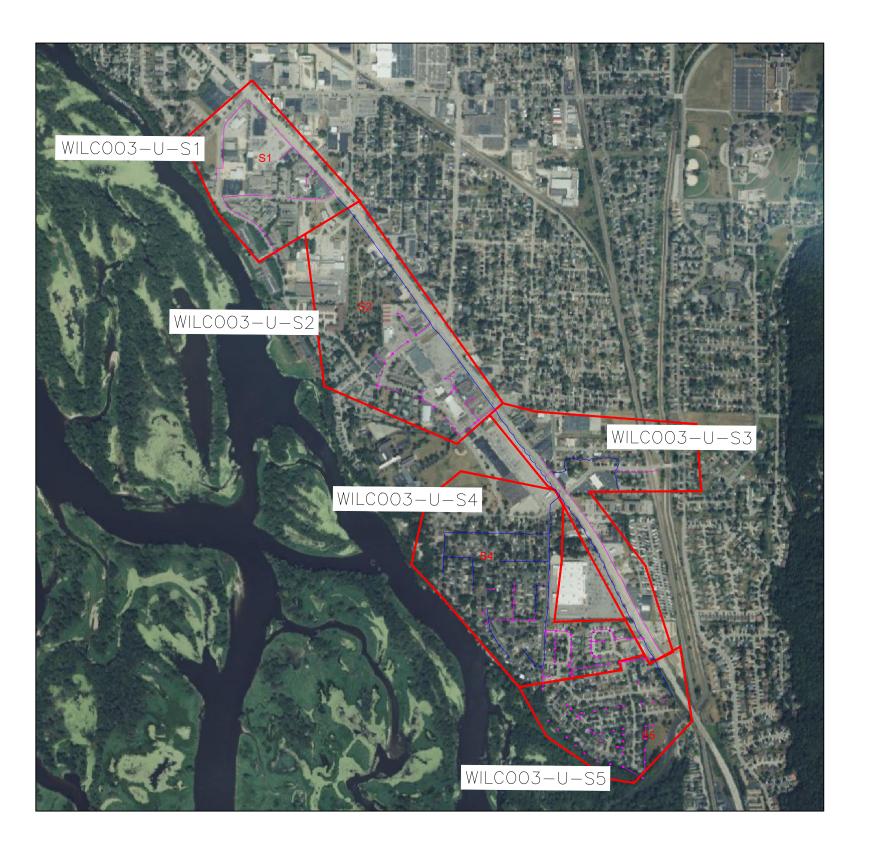
MAP

SHEET TITLE

GRID NUMBER

SHEET NUMBER

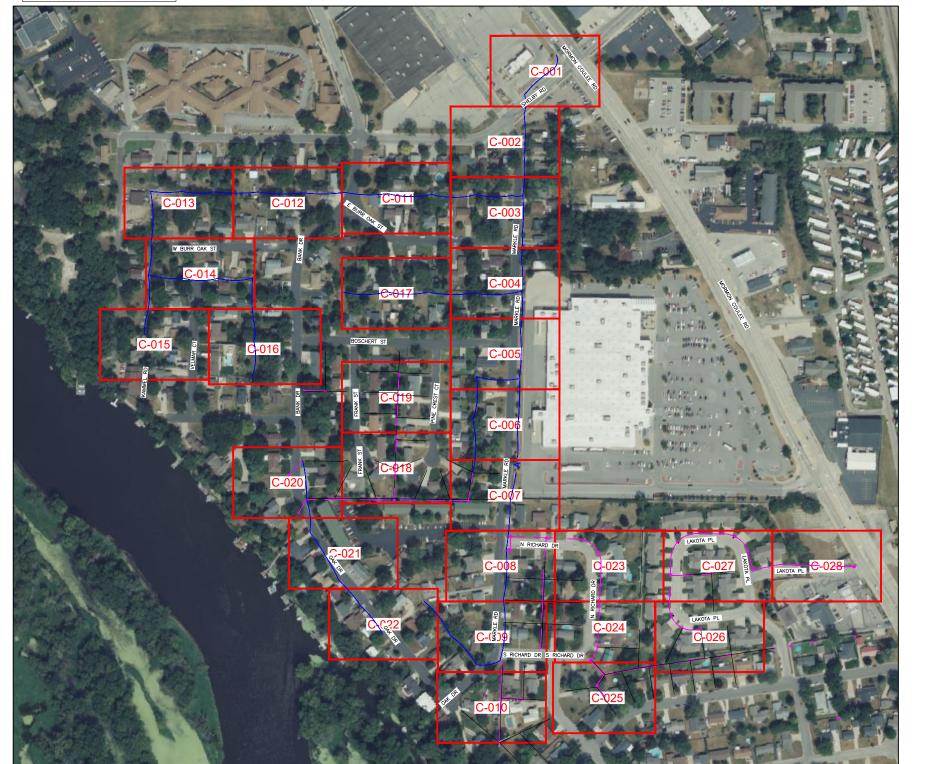
MAP-1



PLANSET

11'x17' SCALE: NTS
24'x36' SCALE: NTS

WILC003-U-S4





metronet

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TASK NAME

WILC003-U-S4

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT ARE

LACROSSE, WI, USA

SHEET SCALE

N.T.S.

SHEET TITLE

MAP

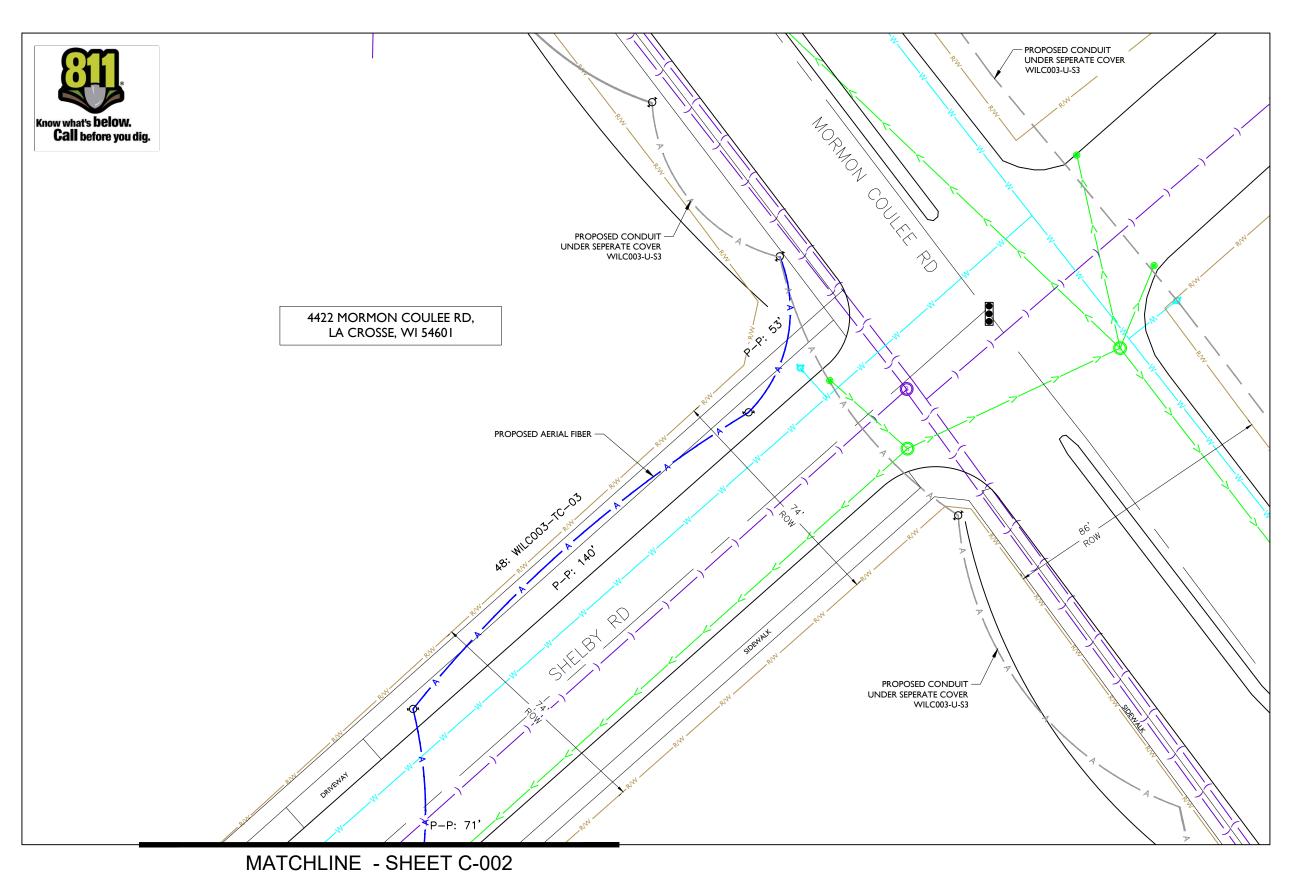
GRID NUMBER

SHEET NUMBER

MAP-2

PLANSET

11'x17' SCALE: NTS 24'x36' SCALE: NTS



NOTE:

- PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS
- BURY AT 24" MIN. UNDER SOFT SURFACE-BURY AT 36" MIN. UNDER HARD SURFACE
- MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.

NOTE:

METRONET WILL MAINTAIN 5' CLEARANCE FROM EXISTING INLETS, MANHOLES, VALVES, AND FIRE HYDRANTS & 7.5' CLEARANCE FROM MANHOLES AND CATCH BASINS.

metronet

3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715



1100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 DESIGN FIRM NO. 184.008202-0006

I	REV	DATE	DESCRIPTION	BY
ı	Α	03/01/24	ISSUED FOR REVIEW	SN
ı				
I				
ı				
ı				
ı				

I HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND CONTROL, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE CODES.

TASK NAME

WILC003-U-S4

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT ARE

LACROSSE, WI, USA

SHEET SCALE

1" = 30'-0"

SHEET TITLE

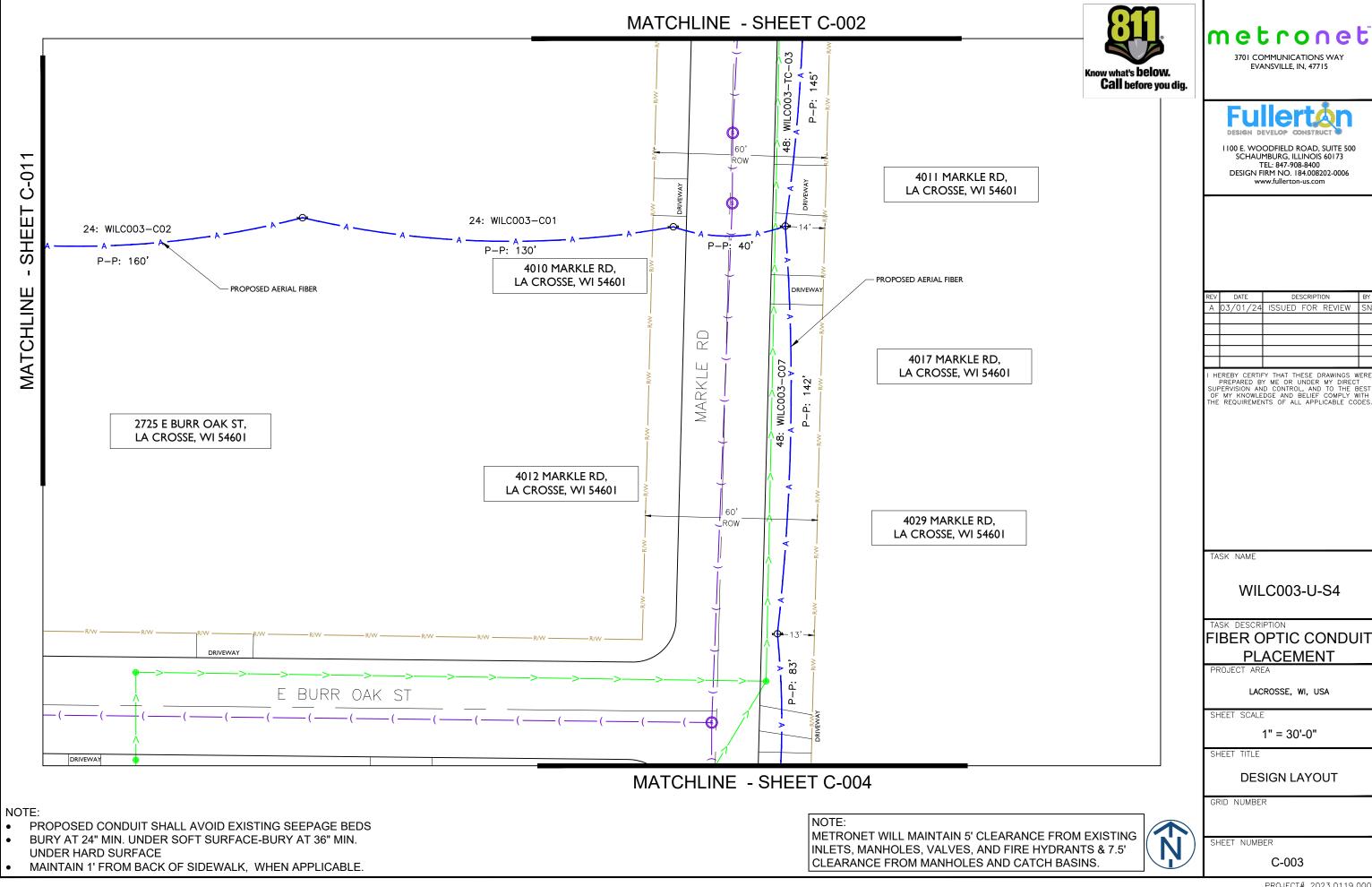
DESIGN LAYOUT

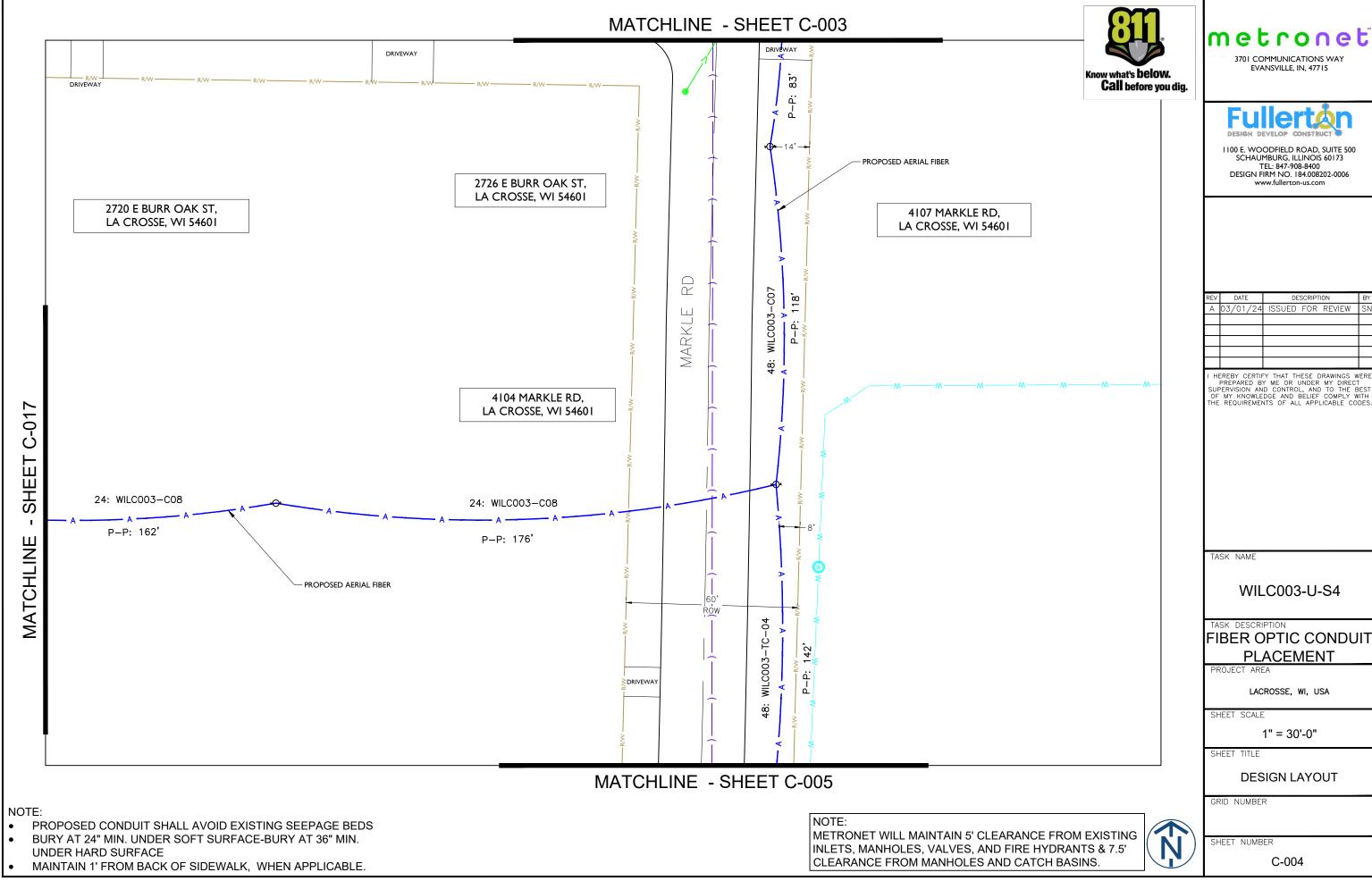
GRID NUMBER

SHEET NUMBER

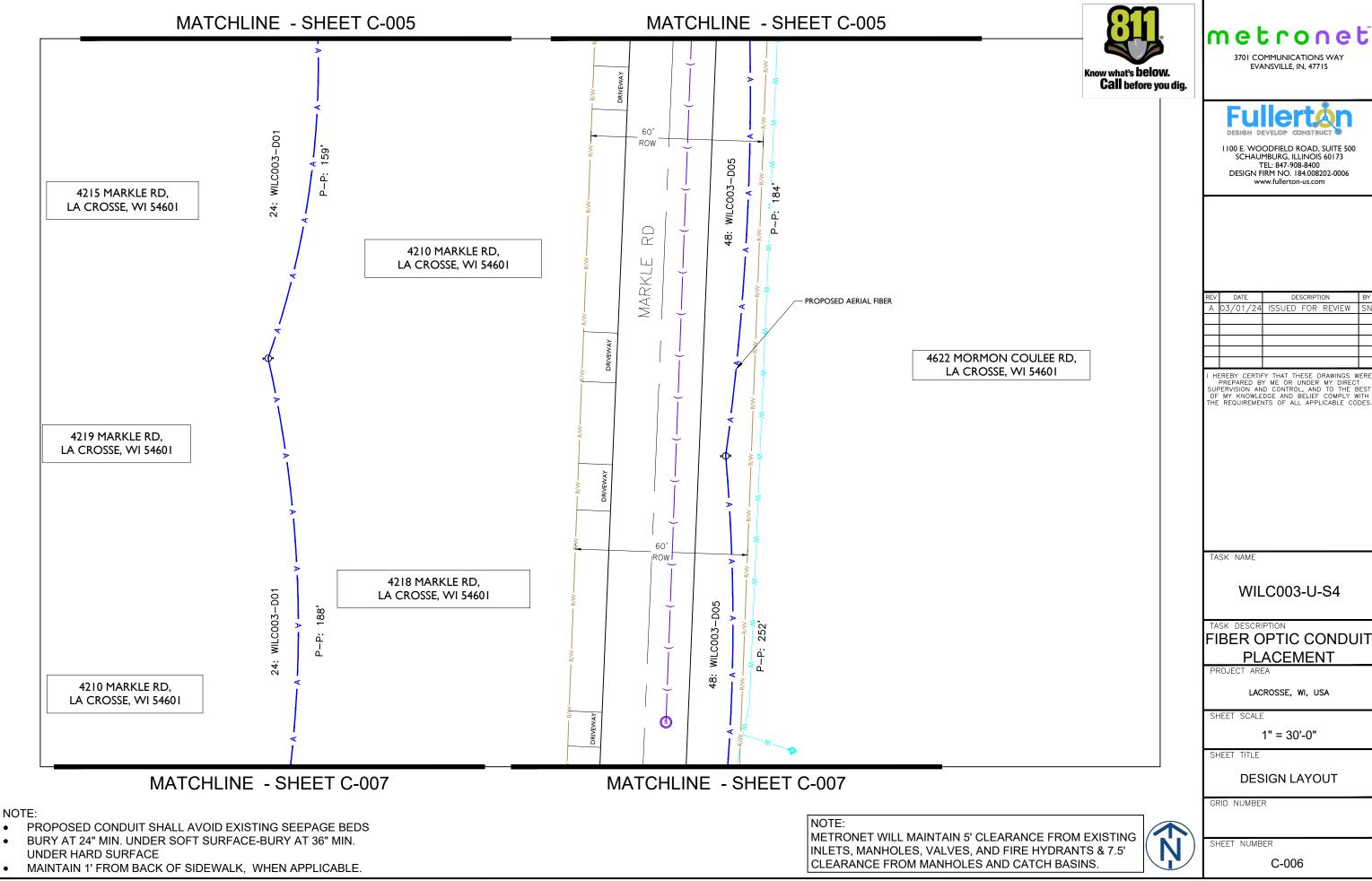
C-001

MATCHLINE - SHEET C-001 metronet 3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715 Know what's **below**. Call before you dig. 4422 MORMON COULEE RD, LA CROSSE, WI 54601 1100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 DESIGN FIRM NO. 184.008202-0006 WILC003-TC P-P: ISSUED FOR REVIEW 48: 4001 MARKLE RD, LA CROSSE, WI 54601 I HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND CONTROL, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE CODES. DRIVEWAY 4005 MARKLE RD, LA CROSSE, WI 54601 DRIVEWAY R D TASK NAME PROPOSED AERIAL FIBER إسا MARKL 2726 SHELBY RD, LA CROSSE, WI 54601 WILC003-U-S4 2718 SHELBY RD, LA CROSSE, WI 54601 TASK DESCRIPTION FIBER OPTIC CONDUIT P_P: **PLACEMENT** 4009 MARKLE RD, LA CROSSE, WI 54601 LACROSSE, WI, USA SHEET SCALE 1" = 30'-0" SHEET TITLE **DESIGN LAYOUT** MATCHLINE - SHEET C-003 GRID NUMBER NOTE: NOTE: PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS METRONET WILL MAINTAIN 5' CLEARANCE FROM EXISTING BURY AT 24" MIN. UNDER SOFT SURFACE-BURY AT 36" MIN. SHEET NUMBER INLETS, MANHOLES, VALVES, AND FIRE HYDRANTS & 7.5' UNDER HARD SURFACE CLEARANCE FROM MANHOLES AND CATCH BASINS. C-002 MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.





MATCHLINE - SHEET C-004 metronet 3701 COMMUNICATIONS WAY 4108 MARKLE RD, EVANSVILLE, IN, 47715 Know what's **below.** 142, LA CROSSE, WI 54601 Call before you dig. 48: 4102 MARKLE RD, 60' 1100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 LA CROSSE, WI 54601 ROW TEL: 847-908-8400 DESIGN FIRM NO. 184.008202-0006 DRIVEWAY BOSCHERT ST ISSUED FOR REVIEW PROPOSED AERIAL FIBER DRIVEWAY DRIVEWAY I HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND CONTROL, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE CODES. WILC003-TC-04 4622 MORMON COULEE RD, LA CROSSE, WI 54601 2 i MARKL 2720 BOSCHERT ST. 2728 BOSCHERT ST, LA CROSSE, WI 5460I LA CROSSE, WI 5460I TASK NAME WILC003-U-S4 TASK DESCRIPTION FIBER OPTIC CONDUIT 24: WILC003-D01 **PLACEMENT** P-P: 156' 4207 PINECREST CT, LACROSSE, WI, USA LA CROSSE, WI 54601 SHEET SCALE 4206 MARKLE RD, P-P: ۻ ٷ LA CROSSE, WI 54601 1" = 30'-0" SHEET TITLE MATCHLINE - SHEET C-006 **DESIGN LAYOUT** MATCHLINE - SHEET C-006 GRID NUMBER NOTE: NOTE: PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS METRONET WILL MAINTAIN 5' CLEARANCE FROM EXISTING BURY AT 24" MIN. UNDER SOFT SURFACE-BURY AT 36" MIN. SHEET NUMBER INLETS, MANHOLES, VALVES, AND FIRE HYDRANTS & 7.5' UNDER HARD SURFACE CLEARANCE FROM MANHOLES AND CATCH BASINS. C-005 MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.



MATCHLINE - SHEET C-006 MATCHLINE - SHEET C-006 WILC003-D01 Know what's **below.** 4224 MARKLE RD. Call before you dig. LA CROSSE, WI 54601 ROW 0+00-WILC003-D05 4229 PINECREST CT, LA CROSSE, WI 54601 BEGIN CONSTRUCTION OF PROPOSED 2-1.25" HDPE CONDUIT FOR FIBER 1 FOOT ABOVE GRADE AND RISE AT 48: EXISTING UTILITY POLE(SEE STANDARD CONSTRUCTION DETAILS SHEET) PROPOSED AERIAL FIBER 9 Ó 102 LINEAR FEET OF PROPOSED 2-1.25" 102' HDPE CONDUIT FOR FIBER VIA PARCEL LINES -(SEE STANDARD CONSTRUCTION Ш ä DETAILS SHEET) SH CHLINE RD 24: WILC003-D02 B-DB: 64' Ш 1+02 MARKLI **`**−I+65 MAT - STA:1+02 63 LINEAR FEET OF PROPOSED 2-1.25" PROPOSED B-17X30X18 HDPE CONDUIT FOR FIBER VIA COMMUNICATIONS HANDHOLE DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION (SEE STANDARD CONSTRUCTION DETAILS SHEET) DETAILS SHEET) .D05 WILC003-4407 MARKLE RD, LA CROSSE, WI 54601 4402 MARKLE RD, 48: LA CROSSE, WI 54601 2813 N RICHARD DR, LA CROSSE, WI 54601 50' ROW MATCHLINE - SHEET C-008 NOTE: NOTE: PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS METRONET WILL MAINTAIN 5' CLEARANCE FROM EXISTING BURY AT 24" MIN. UNDER SOFT SURFACE-BURY AT 36" MIN. INLETS, MANHOLES, VALVES, AND FIRE HYDRANTS & 7.5' UNDER HARD SURFACE CLEARANCE FROM MANHOLES AND CATCH BASINS. MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.

metronet

3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715



I 100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 DESIGN FIRM NO. 184.008202-0006

REV	DATE	DESCRIPTION	BY
Α	03/01/24	ISSUED FOR REVIEW	SN

I HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND CONTROL, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE CODES.

TASK NAME

WILC003-U-S4

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT AF

LACROSSE, WI, USA

SHEET SCALE

1" = 30'-0"

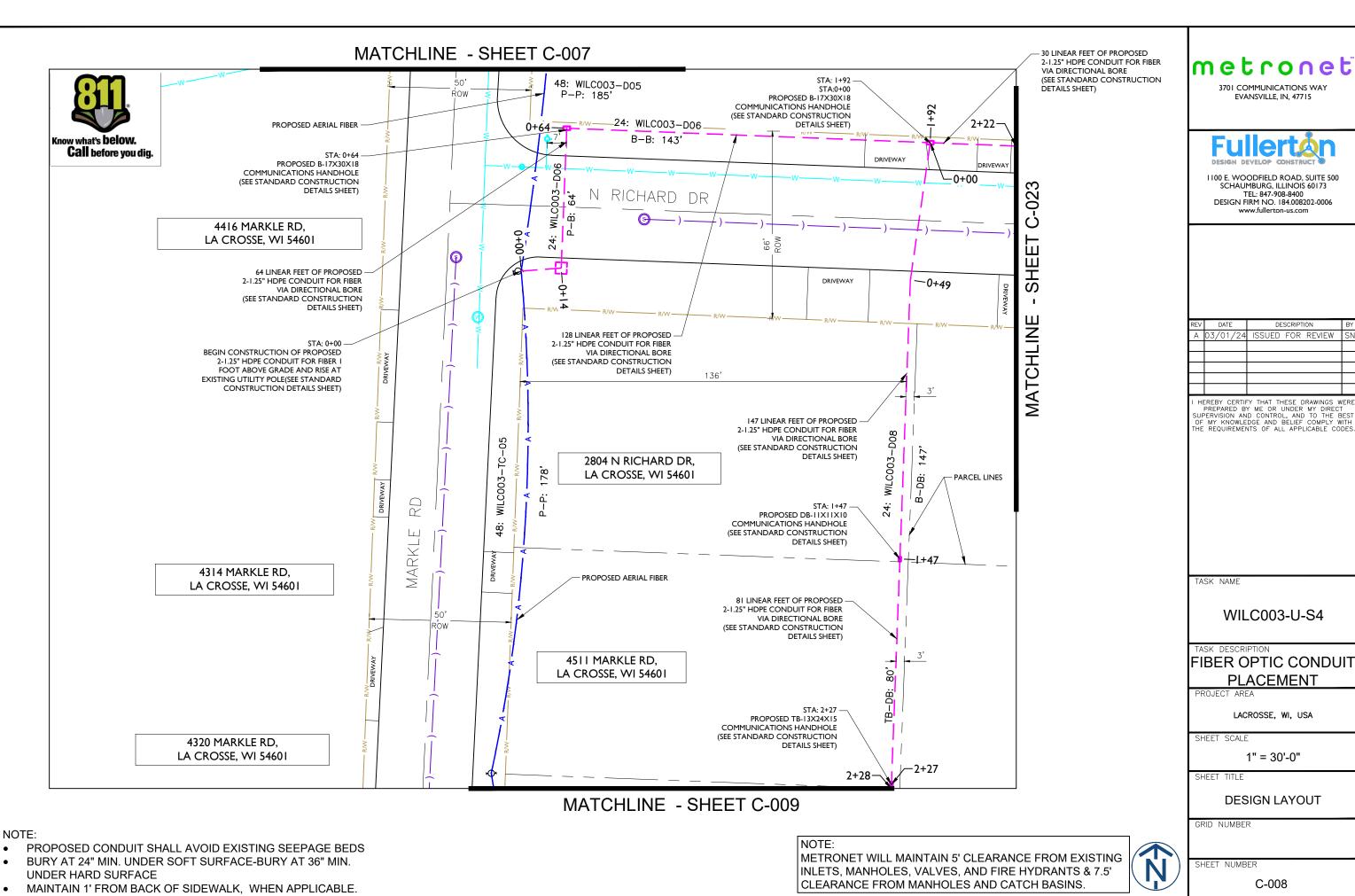
SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

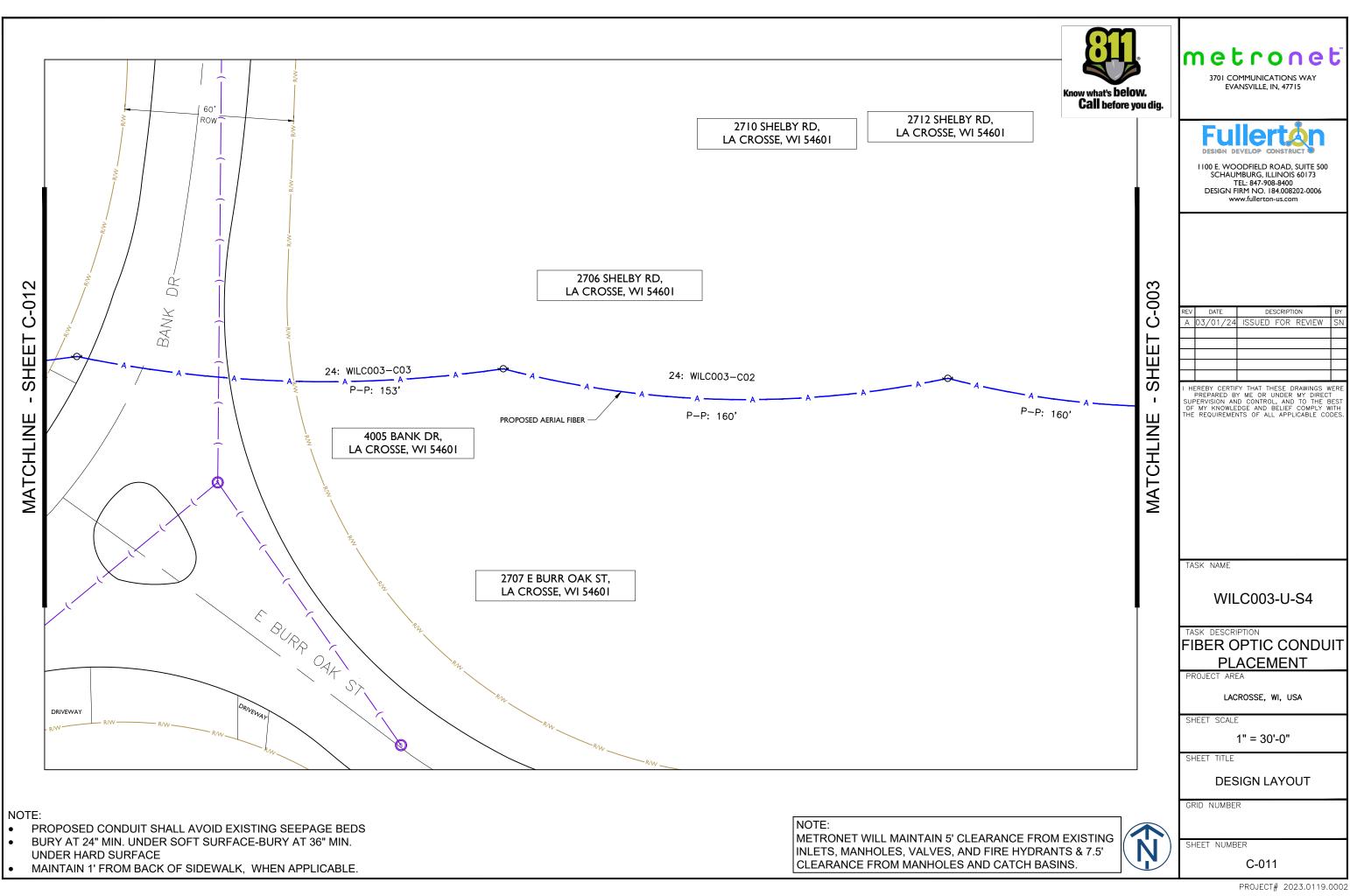
C-007

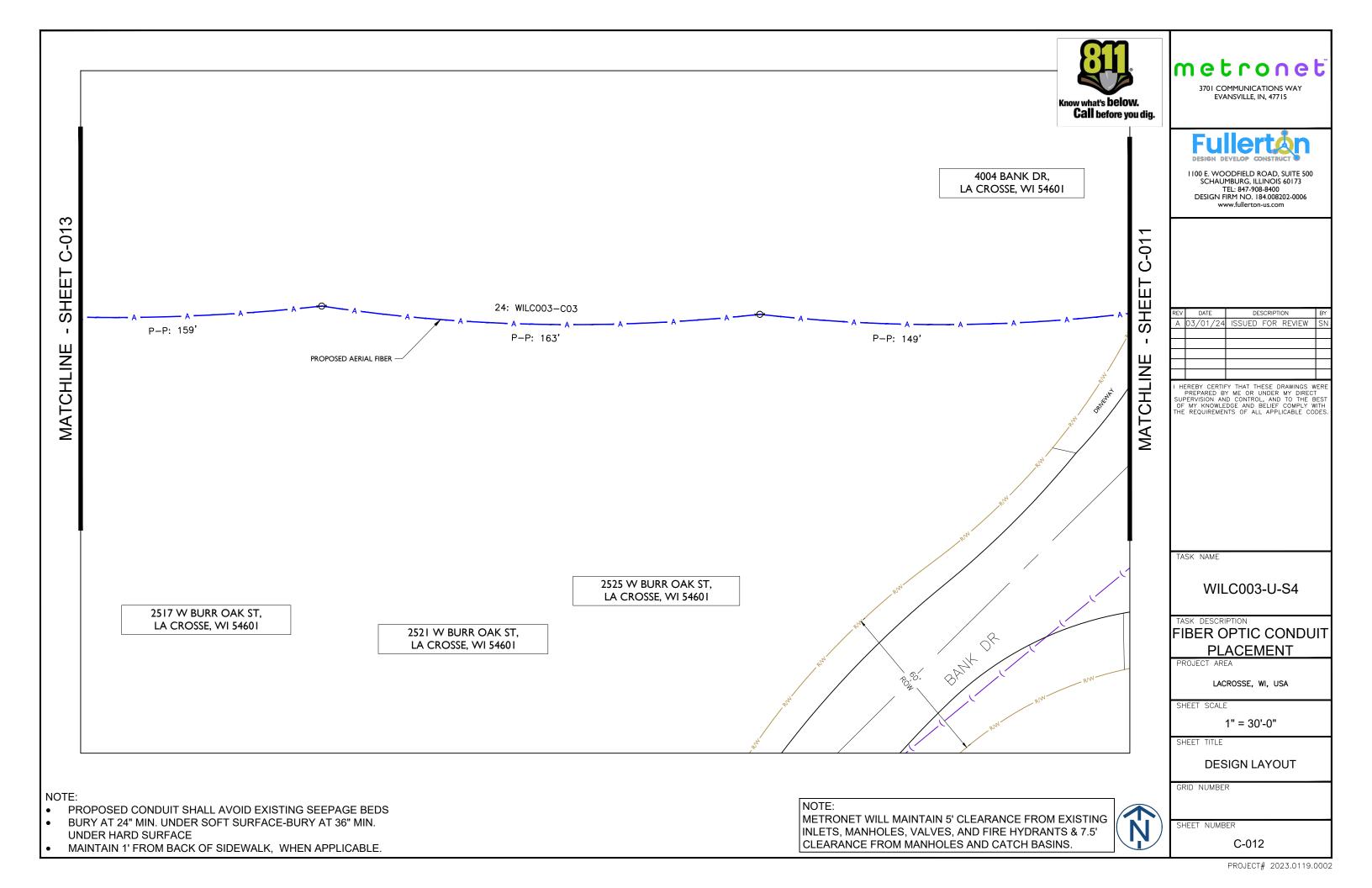


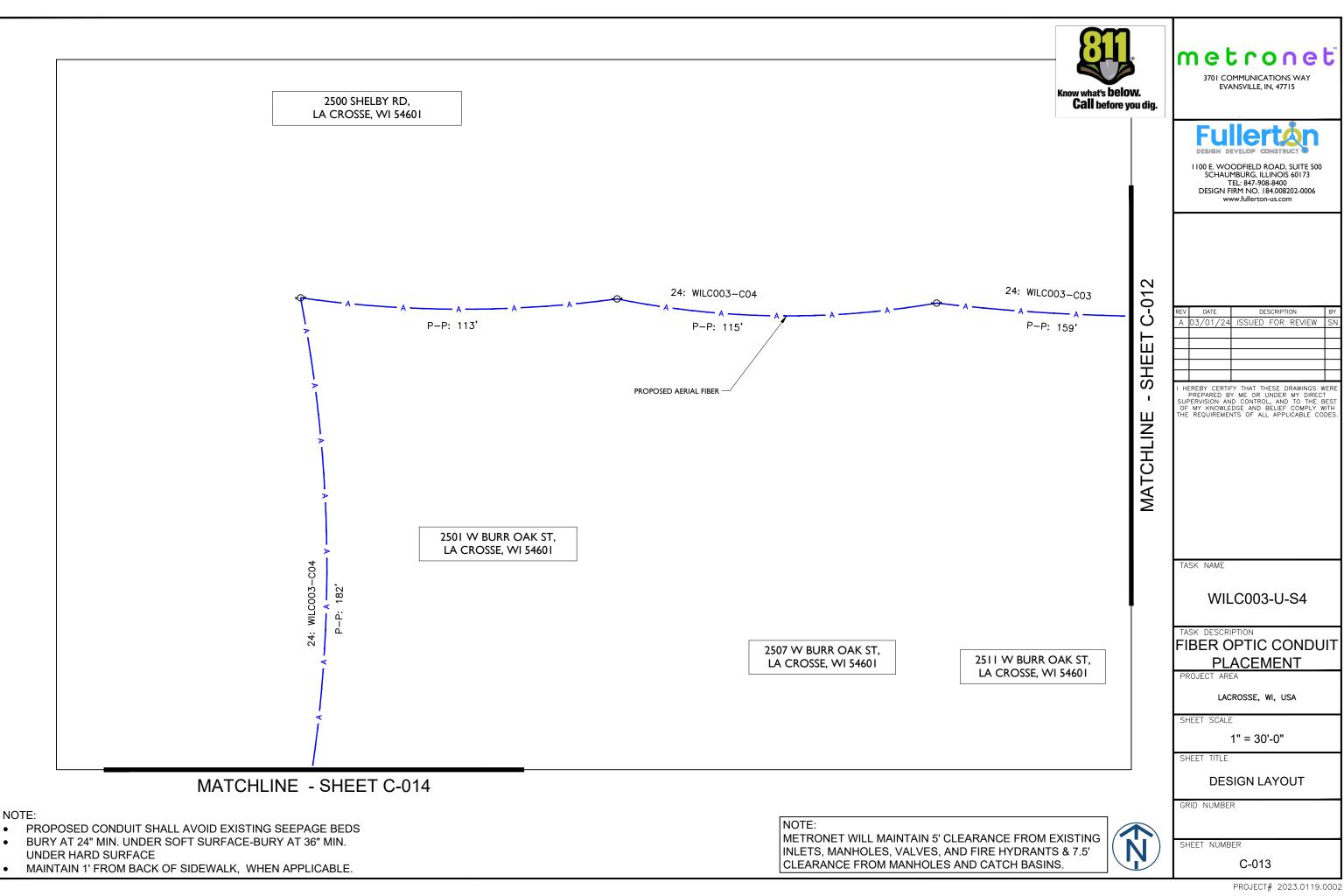
PROJECT# 2023.0119.0002

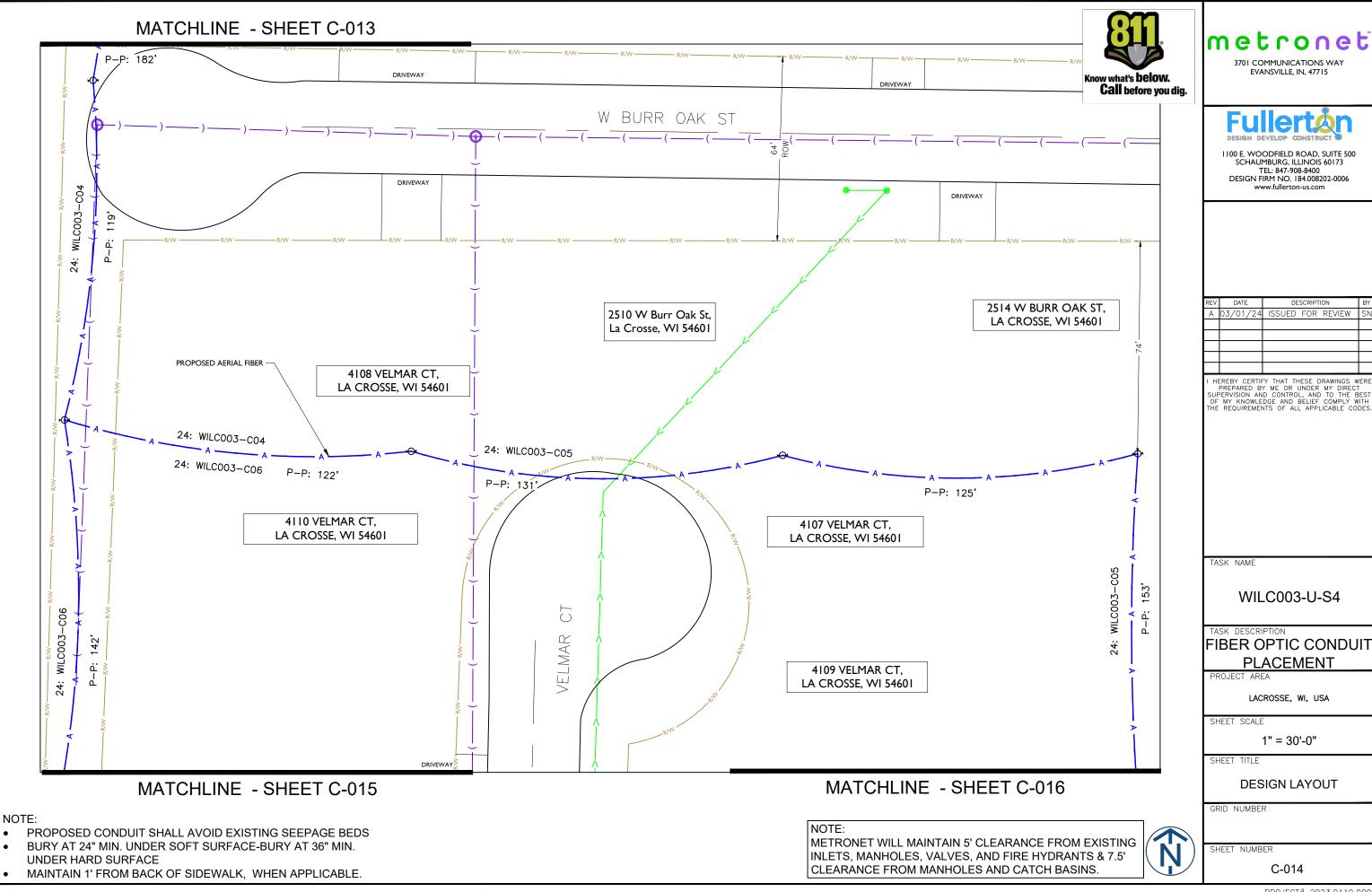
MATCHLINE - SHEET C-008 metronet 2+28-3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715 Know what's **below.** Call before you dig. 4318 MARKLE RD, LA CROSSE, WI 54601 50' 4519 MARKLE RD, ROW LA CROSSE, WI 54601 1100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 02 TEL: 847-908-8400 DESIGN FIRM NO. 184.008202-0006 Ó 136' PARCEL LINES -SHE WILC003-TC-220, MATCHLINE 2 P-P: ISSUED FOR REVIEW MARKL 48: 167 LINEAR FEET OF PROPOSED I-I.25" HDPE CONDUIT FOR FIBER DB-TB: 2809 S RICHARD DR, VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET) LA CROSSE, WI 54601 I HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND CONTROL, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE CODES. PROPOSED AERIAL FIBER PROPOSED AERIAL FIBER 4328 MARKLE RD, LA CROSSE, WI 54601 PROPOSED DB-11X11X10 COMMUNICATIONS HANDHOLE (SEE STANDARD CONSTRUCTION DETAILS SHEET) STA: 0+00 – BEGIN CONSTRUCTION OF PROPOSED 2-1.25" HDPE CONDUIT FOR FIBER I -3+95 FOOT ABOVE GRADE AND RISE AT EXISTING UTILITY POLE(SEE STANDARD CONSTRUCTION DETAILS SHEET) WILC003-U-S4 S RICHARD DR TASK DESCRIPTION FIBER OPTIC CONDUIT DRIVEWAY **PLACEMENT** 2729 OAK DR, LA CROSSE, WI 54601 LACROSSE, WI, USA 44 LINEAR FEET OF PROPOSED SHEET SCALE 2-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET) 1" = 30'-0" **-0+44** SHEET TITLE **DESIGN LAYOUT** MATCHLINE - SHEET C-010 GRID NUMBER NOTE: NOTE: PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS METRONET WILL MAINTAIN 5' CLEARANCE FROM EXISTING BURY AT 24" MIN. UNDER SOFT SURFACE-BURY AT 36" MIN. SHEET NUMBER INLETS, MANHOLES, VALVES, AND FIRE HYDRANTS & 7.5' UNDER HARD SURFACE CLEARANCE FROM MANHOLES AND CATCH BASINS. C-009 MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.

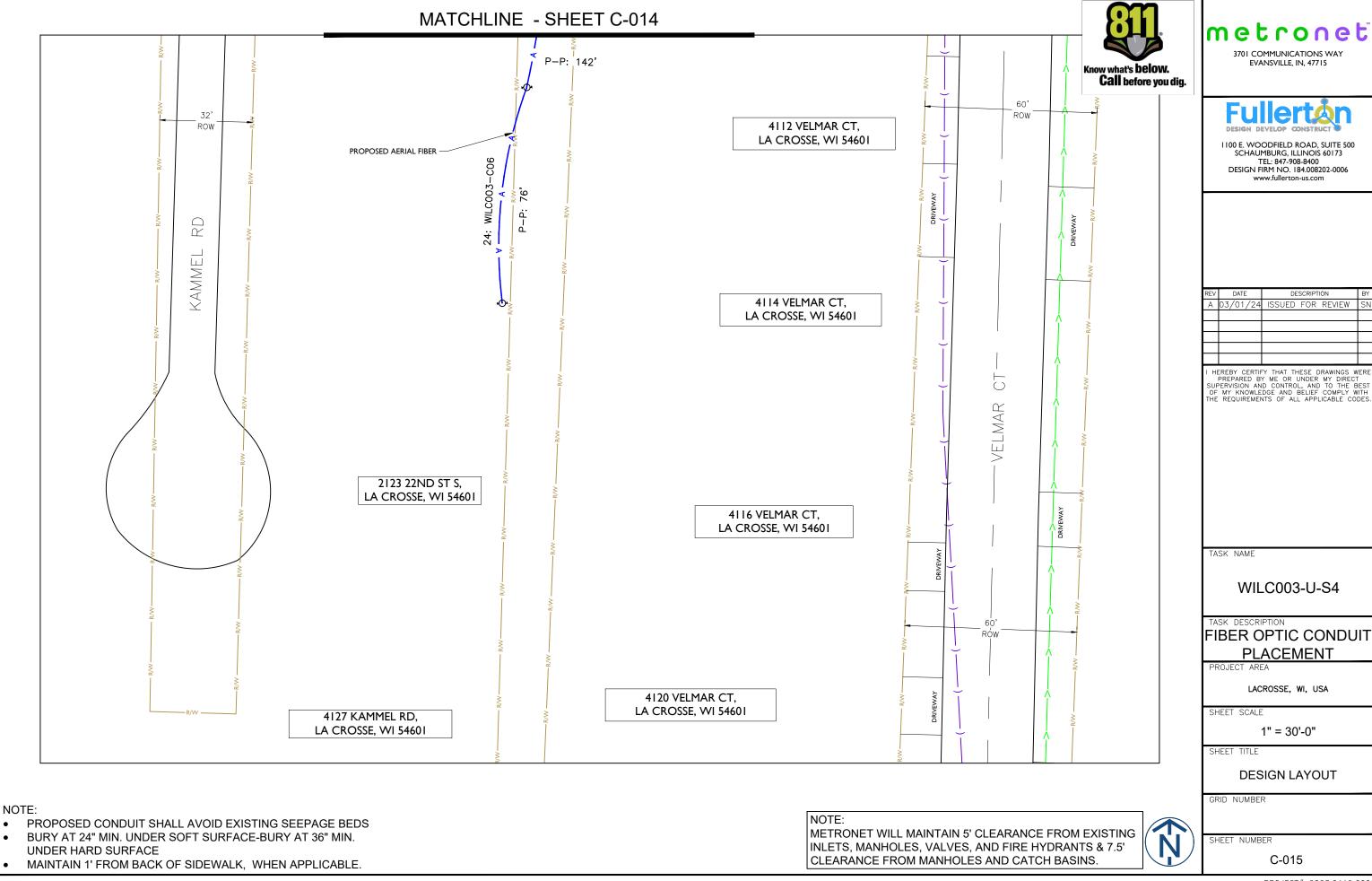
MATCHLINE - SHEET C-009 metronet 3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715 -0+44 Know what's **below.** Call before you dig. 2802 S RICHARD DR, LA CROSSE, WI 54601 1100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 DESIGN FIRM NO. 184.008202-0006 2806 ROBIN HOOD DR, 92 LINEAR FEET OF PROPOSED -LA CROSSE, WI 54601 2-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION 04 DETAILS SHEET) STA: 1+36 -PROPOSED TB-13X24X15 COMMUNICATIONS HANDHOLE (SEE STANDARD CONSTRUCTION DETAILS SHEET) TB-DB: 79' <u>-</u>1+36 ISSUED FOR REVIEW STA: 0+70 PROPOSED DB-11X11X10 COMMUNICATIONS HANDHOLE (SEE STANDARD CONSTRUCTION PARCEL LINES I HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND CONTROL, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE CODES. DETAILS SHEET) 2744 OAK DR, – 70 LINEAR FEET OF PROPOSED 1-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE LA CROSSE, WI 54601 (SEE STANDARD CONSTRUCTION DETAILS SHEET) 87 LINEAR FEET OF PROPOSED -2-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION 2814 ROBIN HOOD DR, DETAILS SHEET) LA CROSSE, WI 54601 2740 OAK DR, LA CROSSE, WI 54601 TASK NAME STA: 2+93 -PROPOSED LHH-30X48X24 WILC003-U-S4 COMMUNICATIONS HANDHOLE (SEE STANDARD CONSTRUCTION DETAILS SHEET) TASK DESCRIPTION FIBER OPTIC CONDUIT **PLACEMENT** 2742 OAK DR, LA CROSSE, WI 54601 LACROSSE, WI, USA SHEET SCALE 1" = 30'-0" 2+93 SHEET TITLE PROPOSED CONDUIT UNDER SEPERATE COVER **DESIGN LAYOUT** WILC003-U-S5 GRID NUMBER NOTE: NOTE: PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS METRONET WILL MAINTAIN 5' CLEARANCE FROM EXISTING BURY AT 24" MIN. UNDER SOFT SURFACE-BURY AT 36" MIN. SHEET NUMBER INLETS, MANHOLES, VALVES, AND FIRE HYDRANTS & 7.5' UNDER HARD SURFACE CLEARANCE FROM MANHOLES AND CATCH BASINS. C-010 MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.

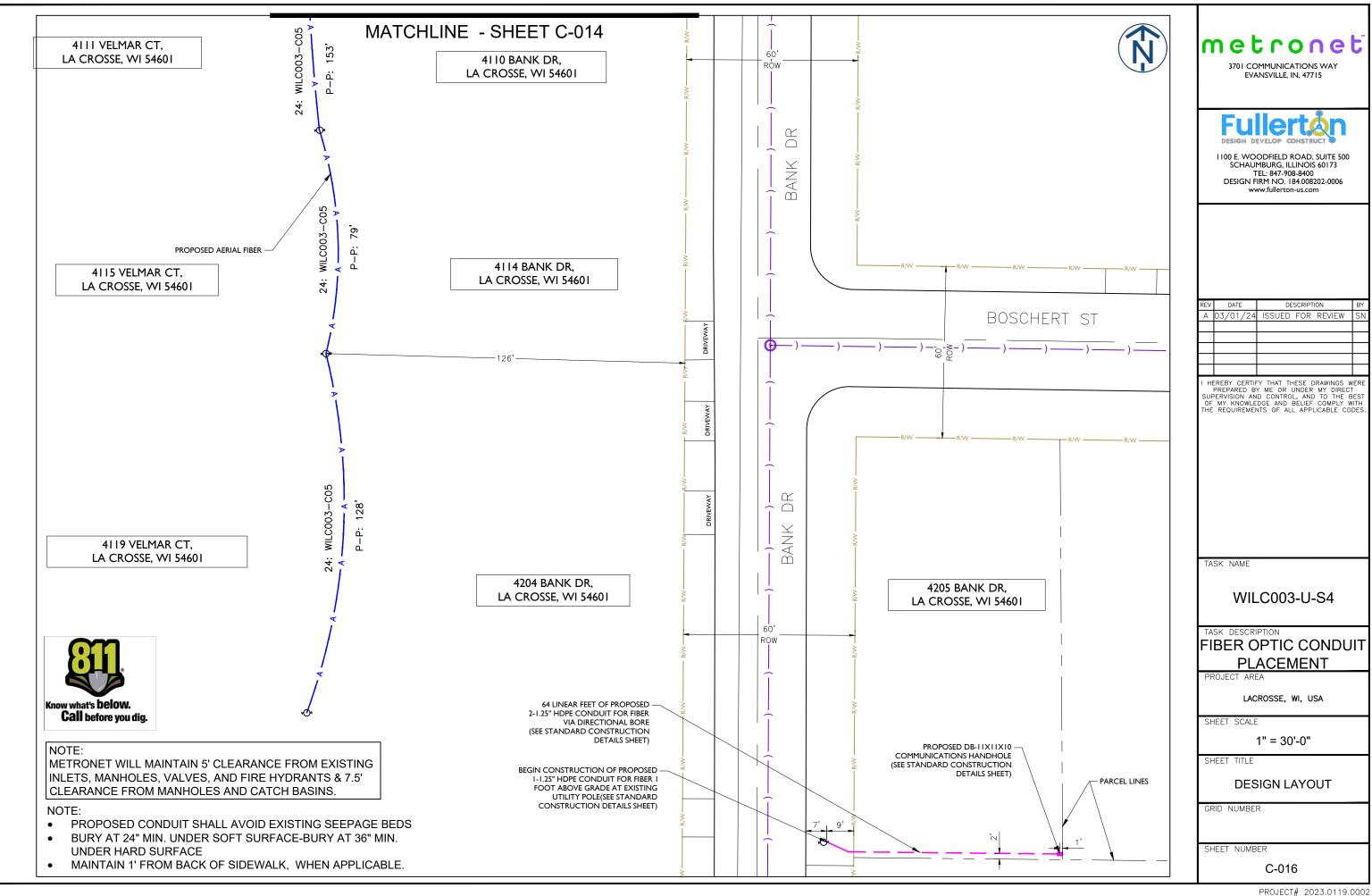


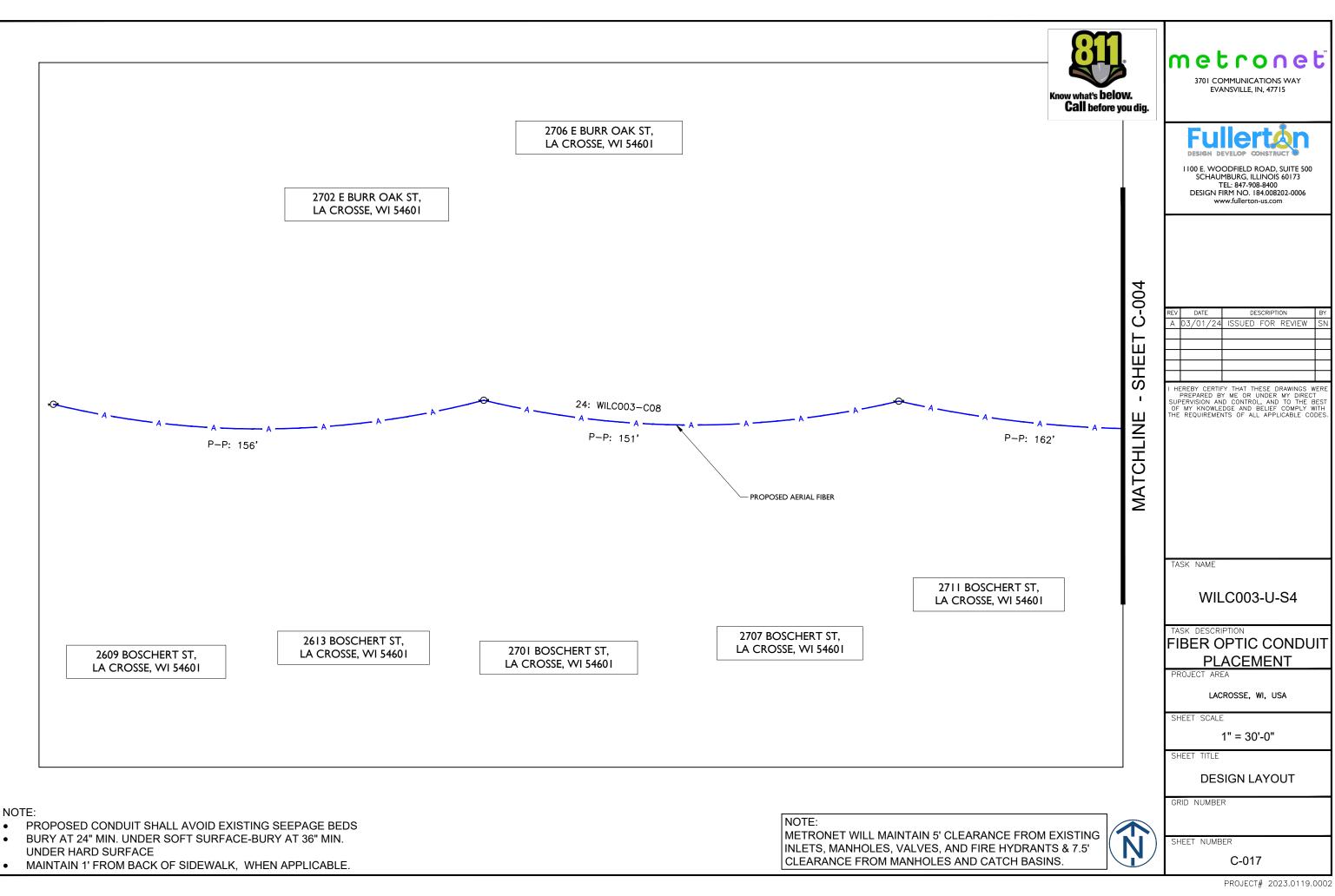


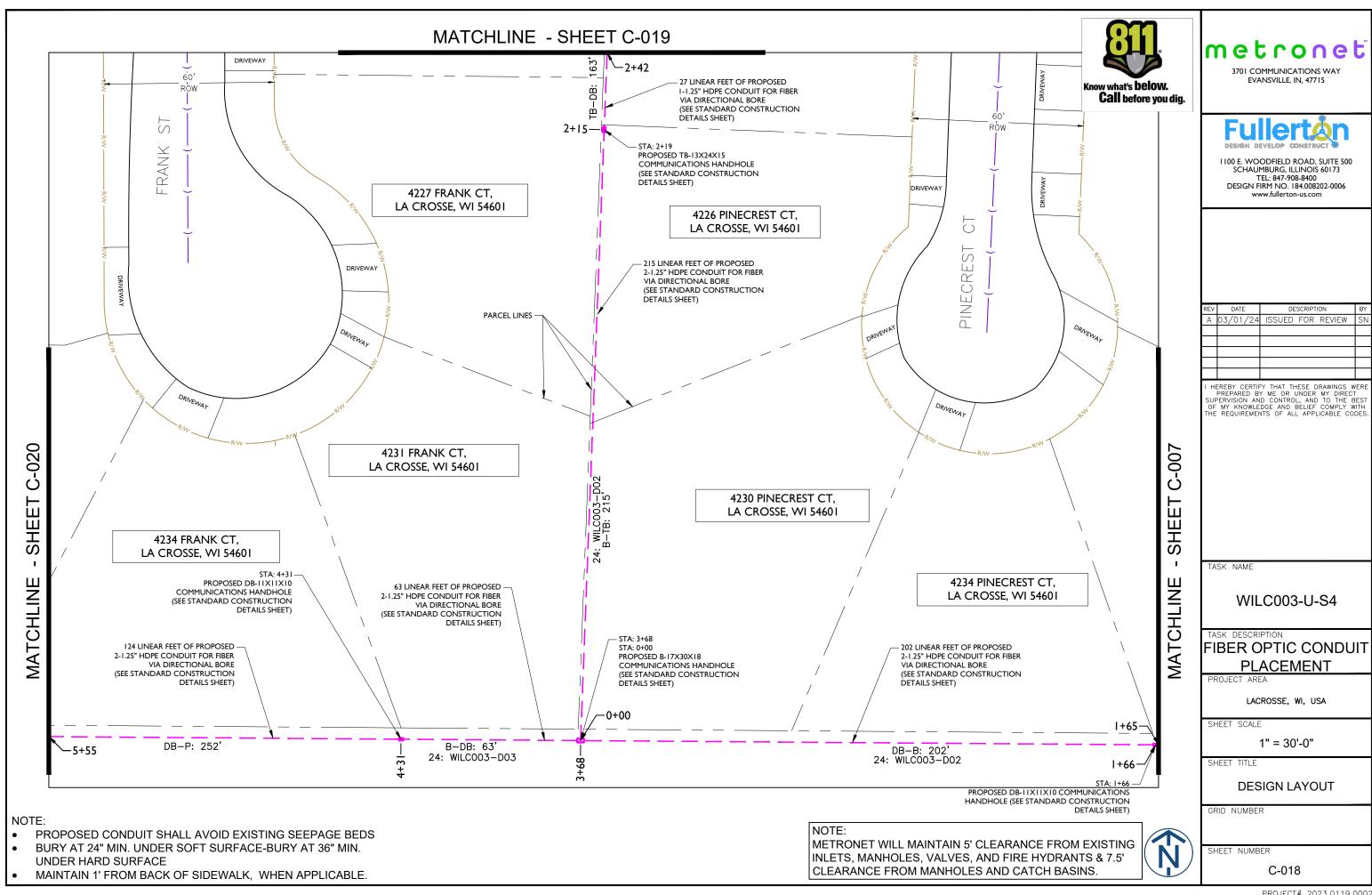














MATCHLINE - SHEET C-018

NOTE:

- PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS
- BURY AT 24" MIN. UNDER SOFT SURFACE-BURY AT 36" MIN. UNDER HARD SURFACE
- MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.

NOTE:

METRONET WILL MAINTAIN 5' CLEARANCE FROM EXISTING INLETS, MANHOLES, VALVES, AND FIRE HYDRANTS & 7.5' CLEARANCE FROM MANHOLES AND CATCH BASINS.





I 100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 DESIGN FIRM NO. 184.008202-0006

REV	DATE	DESCRIPTION	BY
Α	03/01/24	ISSUED FOR REV	TEW SN

I HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND CONTROL, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE CODES.

TASK NAME

WILC003-U-S4

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT AF

LACROSSE, WI, USA

SHEET SCALE

1" = 30'-0"

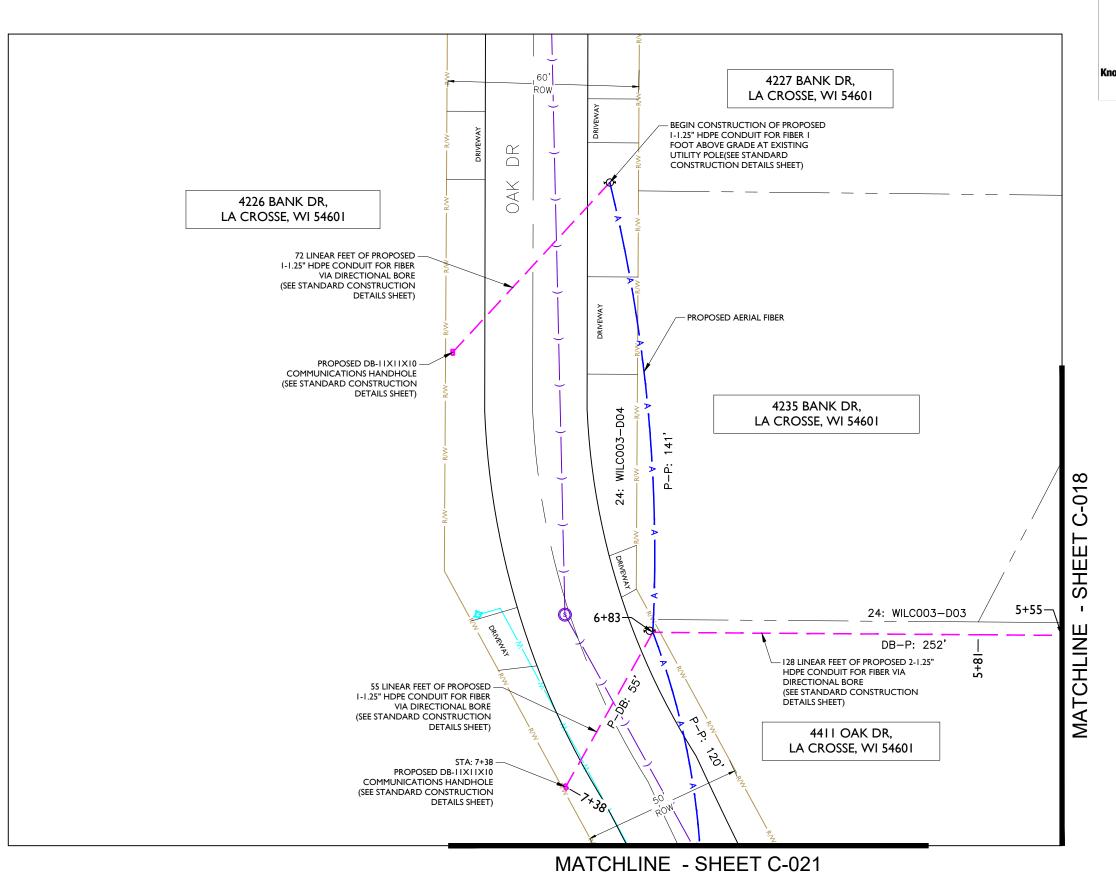
SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

C-019



NOTE:

METRONET WILL MAINTAIN 5' CLEARANCE FROM EXISTING

INLETS, MANHOLES, VALVES, AND FIRE HYDRANTS & 7.5'

CLEARANCE FROM MANHOLES AND CATCH BASINS.

Know what's below. Call before you dig.

metronet

3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715



I 100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 DESIGN FIRM NO. 184.008202-0006 www.fullerton-us.com

REV	DATE	DESCRIPTION	BY
Α	03/01/24	ISSUED FOR REVIEW	SN

I HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND CONTROL, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE CODES.

TASK NAME

WILC003-U-S4

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT AF

LACROSSE, WI, USA

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

C-020

NOTE:

- PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS
- BURY AT 24" MIN. UNDER SOFT SURFACE-BURY AT 36" MIN. UNDER HARD SURFACE
- MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.

MATCHLINE - SHEET C-020 Know what's **below**. Call before you dig. 4411 OAK DR, LA CROSSE, WI 54601 PROPOSED AERIAL FIBER -4418 OAK DR, LA CROSSE, WI 54601 4500 OAK DR, LA CROSSE, WI 54601 2705 OAK DR, LA CROSSE, WI 54601 4510 OAK DR, LA CROSSE, WI 54601 MATCHLINE - SHEET C-022 NOTE: NOTE: PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS

3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715



metronet

1100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 DESIGN FIRM NO. 184.008202-0006

REV	DATE	DESCRIPTION	BY
Α	03/01/24	ISSUED FOR REVIEW	SN

HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND CONTROL, AND TO THE BEST OF MY KNOWLEDGE AND BELIFF COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE CODES.

TASK NAME

WILC003-U-S4

TASK DESCRIPTION

FIBER OPTIC CONDUIT **PLACEMENT**

LACROSSE, WI, USA

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

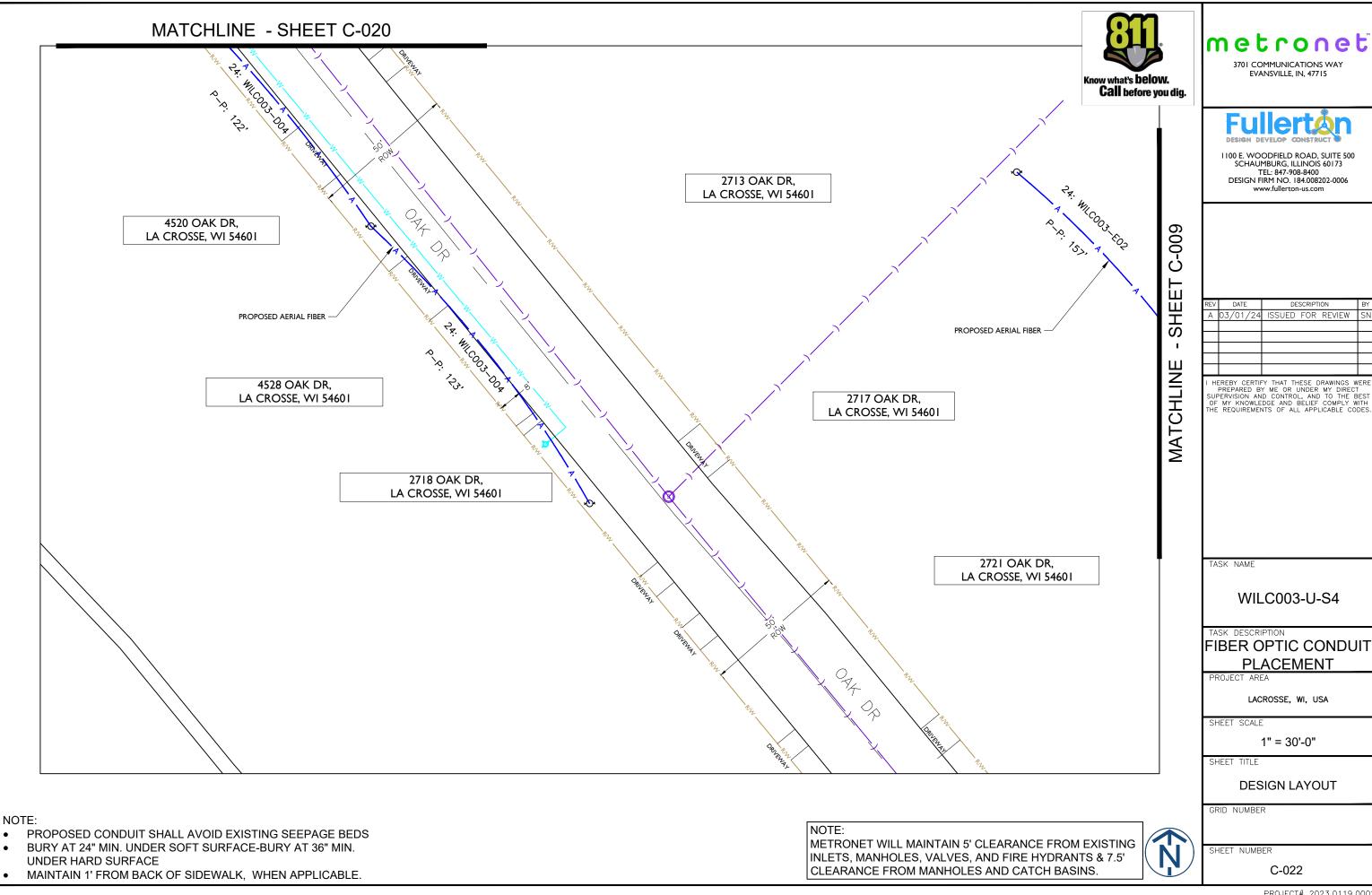
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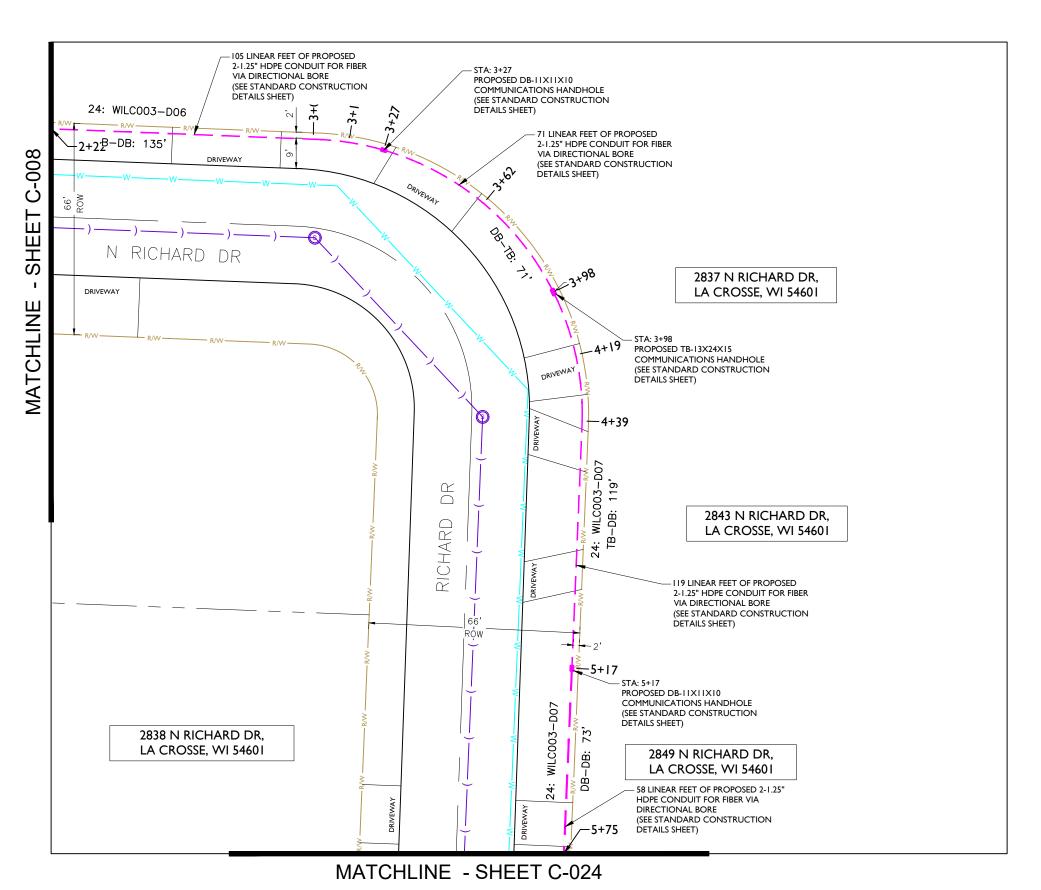
C-021

METRONET WILL MAINTAIN 5' CLEARANCE FROM EXISTING INLETS, MANHOLES, VALVES, AND FIRE HYDRANTS & 7.5' CLEARANCE FROM MANHOLES AND CATCH BASINS.

UNDER HARD SURFACE

BURY AT 24" MIN. UNDER SOFT SURFACE-BURY AT 36" MIN.







metronet

3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715



I 100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 DESIGN FIRM NO. 184.008202-0006

REV	DATE	DESCRIPTION	BY
Α	03/01/24	ISSUED FOR REVIEW	SN

I HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND CONTROL, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE CODES.

TASK NAME

WILC003-U-S4

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT ARE

LACROSSE, WI, USA

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

C-023

NOTE:

- PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS
- BURY AT 24" MIN. UNDER SOFT SURFACE-BURY AT 36" MIN. UNDER HARD SURFACE
- MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.



METRONET WILL MAINTAIN 5' CLEARANCE FROM EXISTING INLETS, MANHOLES, VALVES, AND FIRE HYDRANTS & 7.5' CLEARANCE FROM MANHOLES AND CATCH BASINS.

MATCHLINE - SHEET C-023 metronet -5+75 Know what's **below.** - 15 LINEAR FEET OF PROPOSED 2-1.25" Call before you dig. HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET) PROPOSED DB-IIXIIXIO 1100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 2841 RICHARD DR. COMMUNICATIONS HANDHOLE (SEE STANDARD CONSTRUCTION LA CROSSE, WI 54601 TEL: 847-908-8400 DESIGN FIRM NO. 184.008202-0006 DETAILS SHEET) 66' ROW 2857 N RICHARD DR, LA CROSSE, WI 54601 15' WILC003-D07 0 R - 148 LINEAR FEET OF PROPOSED 2-1.25" .DB: HDPE CONDUIT FOR FIBER VIA RICHARD DIRECTIONAL BORE DB-(SEE STANDARD CONSTRUCTION DETAILS SHEET) I HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND CONTROL, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE CODES. 2821 S RICHARD DR, 2865 N RICHARD DR, LA CROSSE, WI 54601 LA CROSSE, WI 54601 STA: 7+93 — PROPOSED B-17X30X18 COMMUNICATIONS HANDHOLE PROPOSED DB-11X11X10 COMMUNICATIONS HANDHOLE (SEE STANDARD CONSTRUCTION (SEE STANDARD CONSTRUCTION DETAILS SHEET) DETAILS SHEET) -7+38 55 LINEAR FEET OF PROPOSED 2-1.25" DRIVEWAY HDPE CONDUIT FOR FIBER VIA TASK NAME 100/m DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET) S RICHARD DR is *66 2834 N RICHARD DR, TASK DESCRIPTION LA CROSSE, WI 54601 FIBER OPTIC CONDUIT MATCHLINE - SHEET C-025 11 LINEAR FEET OF PROPOSED 2-1.25" -HDPE CONDUIT FOR FIBER VIA SHEET SCALE DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET) SHEET TITLE GRID NUMBER NOTE: NOTE: PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS METRONET WILL MAINTAIN 5' CLEARANCE FROM EXISTING BURY AT 24" MIN. UNDER SOFT SURFACE-BURY AT 36" MIN. SHEET NUMBER INLETS, MANHOLES, VALVES, AND FIRE HYDRANTS & 7.5'

UNDER HARD SURFACE

MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.

PROJECT# 2023.0119.0002

3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715

ISSUED FOR REVIEW

WILC003-U-S4

PLACEMENT

LACROSSE, WI, USA

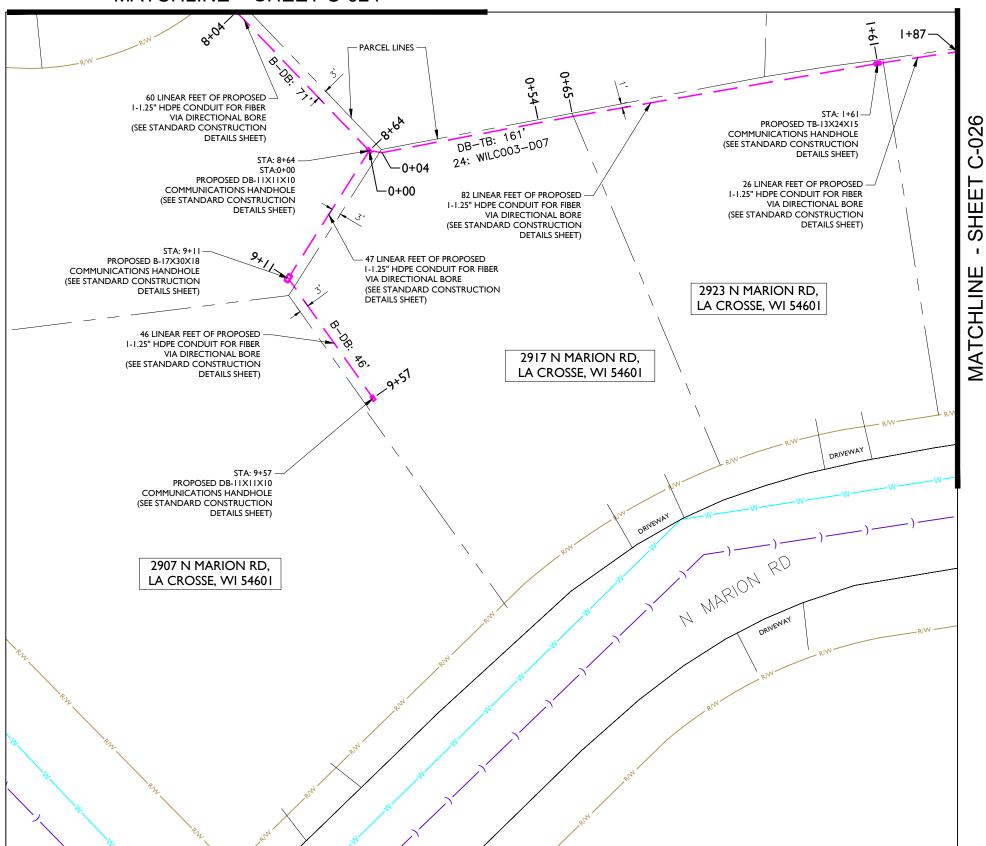
1" = 30'-0"

DESIGN LAYOUT

C-024

CLEARANCE FROM MANHOLES AND CATCH BASINS.

MATCHLINE - SHEET C-024





metronet

3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715



I 100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 DESIGN FIRM NO. 184.008202-0006

REV	DATE	DESCRIPTION	BY
Α	03/01/24	ISSUED FOR REVIEW	SN

I HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND CONTROL, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE CODES.

TASK NAME

WILC003-U-S4

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT ARE

LACROSSE, WI, USA

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

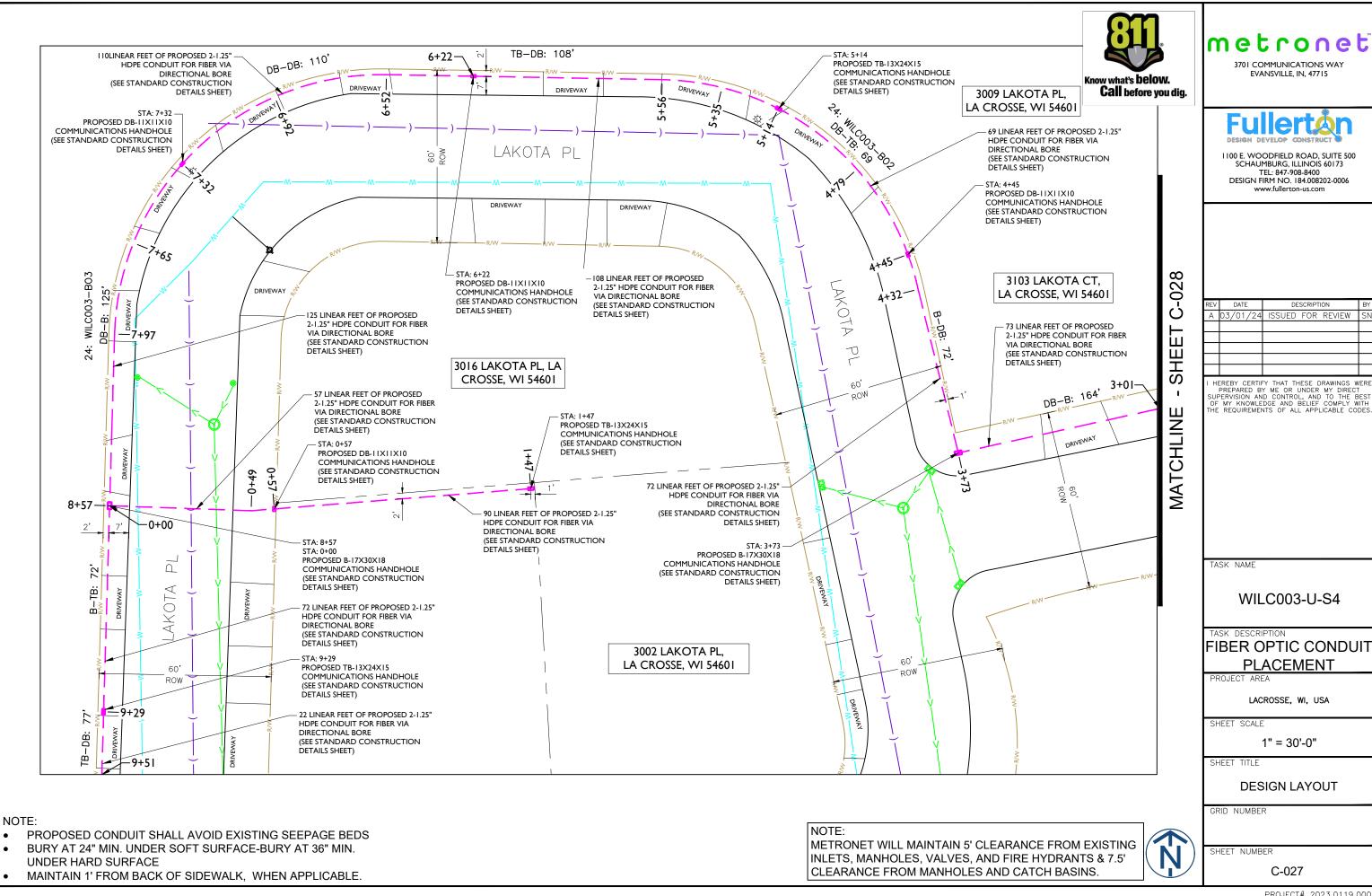
C-025

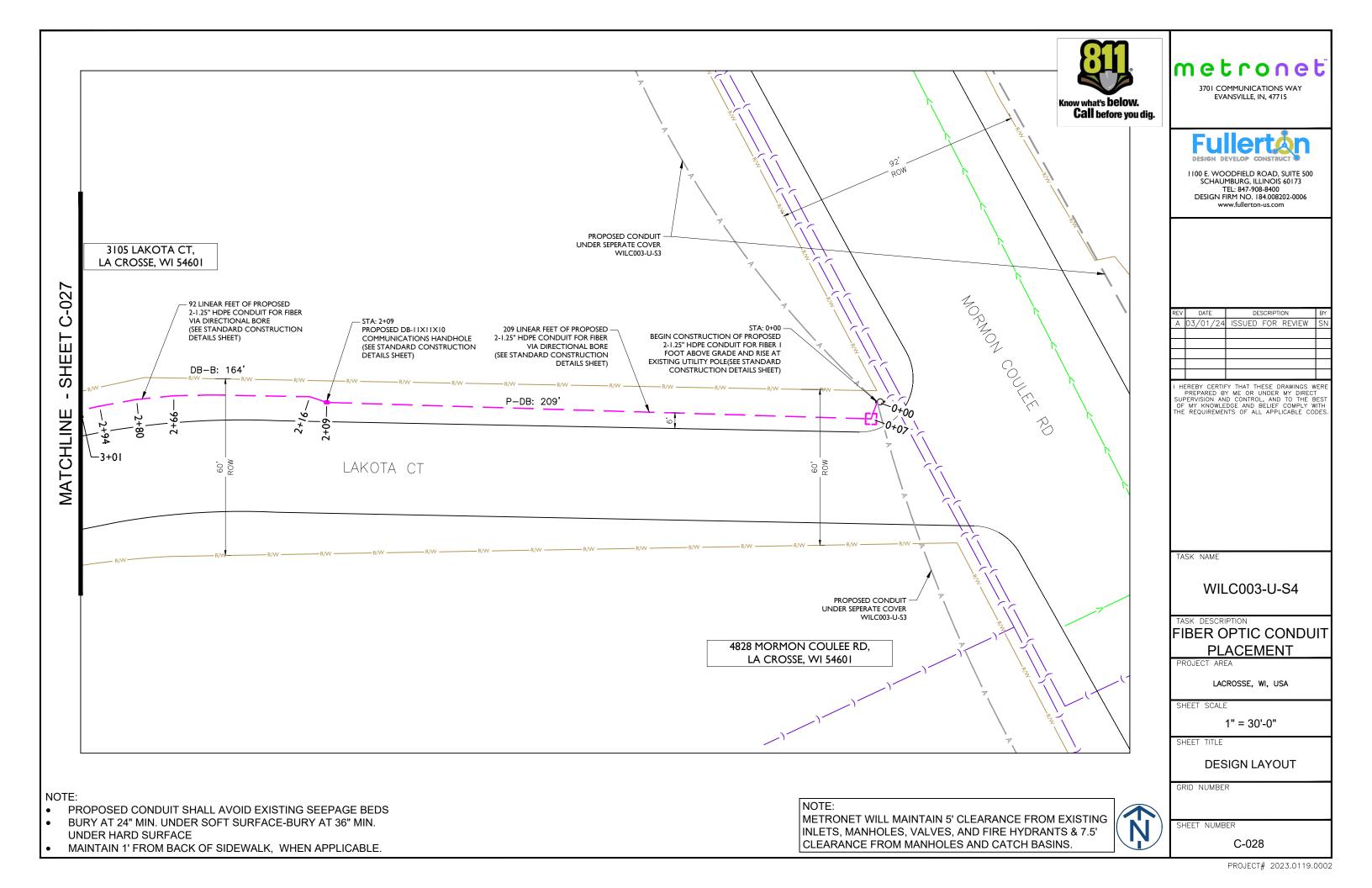
NOTE:

- PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS
- BURY AT 24" MIN. UNDER SOFT SURFACE-BURY AT 36" MIN. UNDER HARD SURFACE
- MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.

METRONET WILL MAINTAIN 5' CLEARANCE FROM EXISTING INLETS, MANHOLES, VALVES, AND FIRE HYDRANTS & 7.5' CLEARANCE FROM MANHOLES AND CATCH BASINS.

MATCHLINE - SHEET C-027 metronet 9+51 3701 COMMUNICATIONS WAY 3038 LAKOTA PL, EVANSVILLE, IN, 47715 60' Know what's **below.** LA CROSSE, WI 54601 ROW Call before you dig. -DB: 9+68 - 55 LINEAR FEET OF PROPOSED 2-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET) 9+87 I 100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 LAKOZA R DRIVEWAY TEL: 847-908-8400 DESIGN FIRM NO. 184.008202-0006 STA: 9+76 PROPOSED DB-IIXIIXIO COMMUNICATIONS HANDHOLE (SEE STANDARD CONSTRUCTION DETAILS SHEET) OB. OB. 56. 56 LINEAR FEET OF PROPOSED 2-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION ISSUED FOR REVIEW DETAILS SHEET) STA: 11+31 PROPOSED DB-11X11X10 3041 LAKOTA PL, DB-DB: 69' COMMUNICATIONS HANDHOLE LA CROSSE, WI 54601 (SEE STANDARD CONSTRUCTION I HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND CONTROL, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE CODES. DETAILS SHEET) 69 LINEAR FEET OF PROPOSED 2-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE - STA: 10+62 PROPOSED DB-11X11X10 3053 LAKOTA PL, COMMUNICATIONS HANDHOLE (SEE STANDARD CONSTRUCTION (SEE STANDARD CONSTRUCTION DETAILS SHEET) LA CROSSE, WI 54601 3049 LAKOTA PL, LA CROSSE, WI 54601 핕 3043 LAKOTA PL, 147 LINEAR FEET OF PROPOSED 1-1.25" -LA CROSSE, WI 54601 $\overline{\mathbf{o}}$ HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE TASK NAME (SEE STANDARD CONSTRUCTION DETAILS SHEET) WILC003-U-S4 128 LINEAR FEET OF PROPOSED -I-I.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION - STA: 4+62 PROPOSED DB-11X11X10 COMMUNICATIONS HANDHOLE TASK DESCRIPTION DB-DB: 147 FIBER OPTIC CONDUIT (SEE STANDARD CONSTRUCTION **PLACEMENT** DETAILS SHEET) DB-DB: 154' -I +87 STA: 3+15 PROPOSED DB-11X11X10 3019 N MARION RD. LACROSSE, WI, USA COMMUNICATIONS HANDHOLE LA CROSSE, WI 54601 (SEE STANDARD CONSTRUCTION SHEET SCALE DETAILS SHEET) 1" = 30'-0" SHEET TITLE **DESIGN LAYOUT** GRID NUMBER NOTE: NOTE: PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS METRONET WILL MAINTAIN 5' CLEARANCE FROM EXISTING BURY AT 24" MIN. UNDER SOFT SURFACE-BURY AT 36" MIN. SHEET NUMBER INLETS, MANHOLES, VALVES, AND FIRE HYDRANTS & 7.5' UNDER HARD SURFACE CLEARANCE FROM MANHOLES AND CATCH BASINS. C-026 MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.





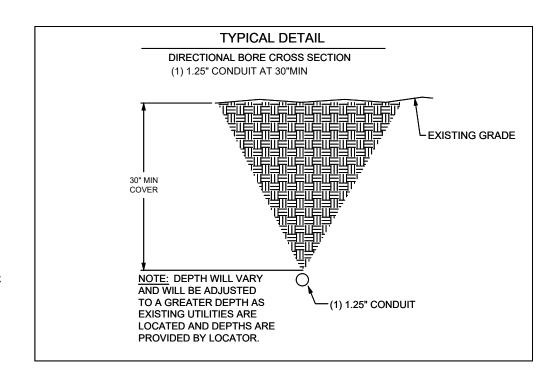
ADDITIONAL NOTES:

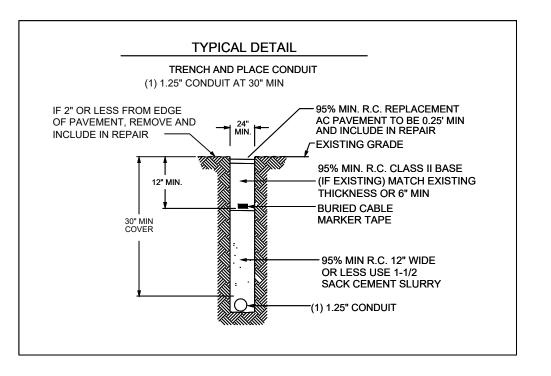
- 1. EXCEPT AS OTHERWISE NOTED, CONTRACTOR SHALL MAINTAIN A MINIMUM OF 24 INCHES OF SEPARATION FROM EXISTING UTILITIES.
- 2. CONTRACTOR SHALL POTHOLE EACH UTILITY TO DETERMINE SIZE, LOCATION, AND DEPTH PRIOR TO CROSSING.
- 3. CONTRACTOR IS CAUTIONED TO PROTECT SEWER MANHOLES, CATCH BASINS, LATERALS AND INLETS.
- 4. CONTRACTOR WILL PROVIDE BARRICADING TO INSURE CORRECT TRAFFIC CONTROL WHILE MAINTAINING VEHICULAR TRAFFIC AT ALL TIMES.
- 5. RESTORATION TO BE IN COMPLIANCE WITH APPLICABLE PERMITING AGENCIES
- 6. BONDING AND GROUNDING PER NESC.

PUBLIC UTILITY NOTE:

CONTRACTOR SHALL NOTIFY ALL PUBLIC UTILITY COMPANIES (GAS, ELECTRIC, TELEPHONE, SEWER, WATER, ETC) PRIOR TO COMMENCING ANY CONSTRUCTION.

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







3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715



I 100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 DESIGN FIRM NO. 184.008202-0006

REV	DATE	DESCRIPTION	BY
Α	03/01/24	ISSUED FOR REVIEW	SN

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TASK NAME

WILC003-U-S4

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT ARE

LACROSSE, WI, USA

SHEET SCALE

N.T.S.

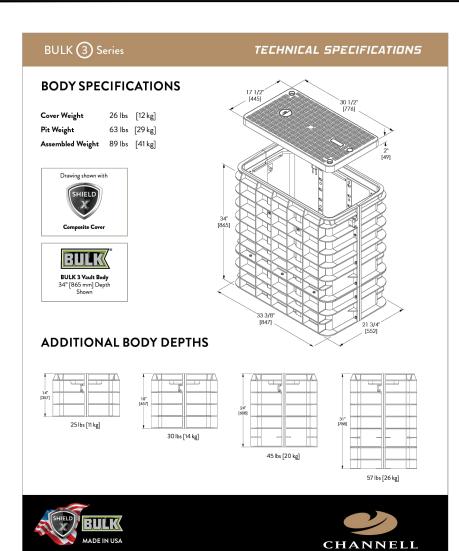
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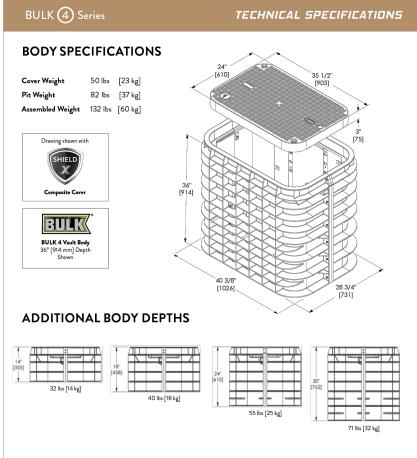
DETAILS

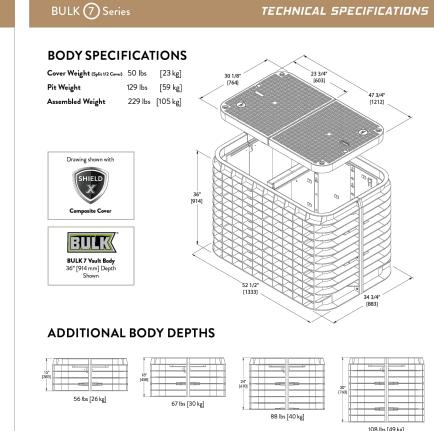
GRID NUMBER

SHEET NUMBER

D.

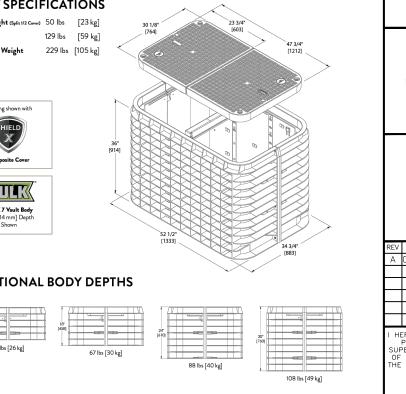






MADE IN USA

CHANNELL





3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715



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TASK NAME

CHANNELL

WILC003-U-S4

TASK DESCRIPTION

FIBER OPTIC CONDUIT **PLACEMENT**

LACROSSE, WI, USA

SHEET SCALE

N.T.S.

DETAILS

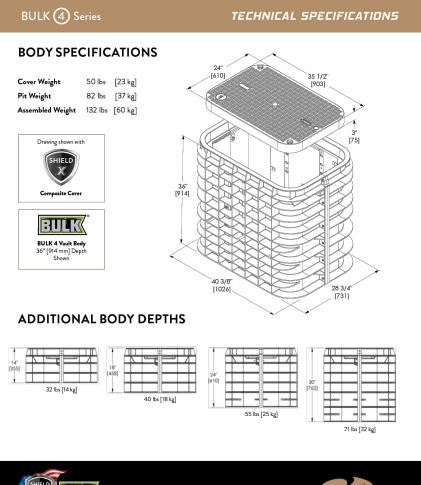
SHEET TITLE

GRID NUMBER

SHEET NUMBER

D-2

PROJECT# 2023.0119.0002





DATA SHEET

SGLB-0 NEW SIGNATURE SERIES GRADE LEVEL BOX WITH **SELFLOCK** PROTECTION





SELFLOCKTM

The New Signature Series SGLB High Density Polyethylene (HDPE) grade level box line come standard with Logo Disk and the Patented **SELFLOCK** automatic locking mechanism.

FEATURES

- 13" (330mm) Depth
- No bolts to be lost, misplaced, or not installed back into the unit

- Captive bolt device, that opens with a ¼ turn
- Press/Push lid closed, and it will automatically lock in place (with an audible "click")
- Protects your investment, and ensures the needed protection for your network
- Eliminates the risk of lids floating off, being throw be lawnmowers (i.e. reduces potentially liability)

SIMPLE AND WORRY FREE PROTECTION



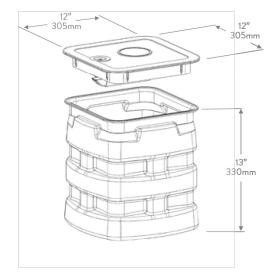


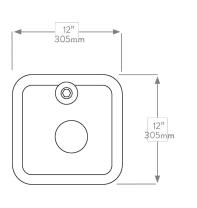


SELFLOCK closes and seals with audible "Click" Captive bolt device opens with only 1/4 turn

Shown with Optional Marker Locate Device

DIMENSIONS







Where The Industry Connects.

WORLDWIDE HEADQUARTERS: Channell Commercial Corporation, Rockwall, TX, United States • Tel 800.423.1863 • Fax 951.296.2322 CANADA: Channell Canada, Inc., Mississauga, ON, Canada • Tel 905.565.1700 • Fax 905.565.8282 EUROPE, MIDDLE EAST, AFRICA: Channell Ltd., Dartford, United Kingdom • Tel 44.1322.312590 • Fax 44.1322.508490 AUSTRALIA, ASIA, PACIFIC RIM: Channell Pty. Ltd., Seven Hills, NSW, Australia • Tel 61.2.8884.4111 • Fax 61.2.8814.8841

www.channell.com

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040822 FRT

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3701 COMMUNICATIONS WAY EVANSVILLE, IN. 47715



1100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 DESIGN FIRM NO. 184.008202-0006

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Α	03/01/24	ISSUED FOR REVIEW	SN

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TASK NAME

WILC003-U-S4

TASK DESCRIPTION

FIBER OPTIC CONDUIT **PLACEMENT**

LACROSSE, WI, USA

SHEET SCALE

N.T.S.

SHEET TITLE

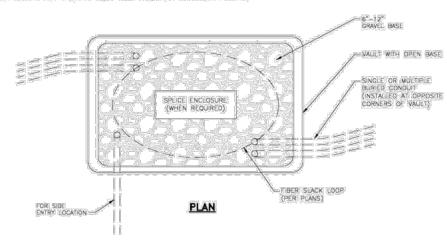
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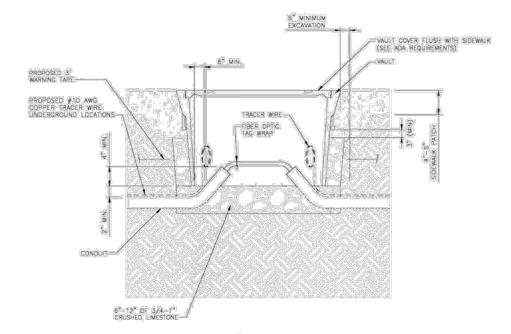
GRID NUMBER

SHEET NUMBER

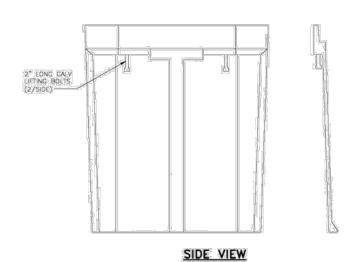
NOTES:

- T. CALL FOR LOCATES AT LEAST 72 HOURS IN ADVANCE OF ANY CONSTRUCTION FOR MARKINGS.
- 2. FOR LABEL AND TAG INFORMATION SEE DRAWING OSP 16.
- 3. THE VAULT W/ BOTTOM ENTRY ELEVATION WIEW SHOWN BELOW ONLY INDICATES THE BACK FILL REQUIREMENTS INCCESSARY FOR VAULTS IPLACED IN SIDEWALKS, ETC. (WHERE THEY NEED TO COMPLY WITH ADA REQUIREMENTS), TO ENSURE COMPLIANCE WITH CURRENT ADA REQUIREMENTS, THE HEIGHT OF THE BACK TILL IS SHOWN HELD DOWN TO ALLOW CONCRETE TO FLOW DOWN AND AROUND THE LIFTING LUGS/BOLTS WHICH WILL SERVE AS DOWELS INTO THE FINISHED CONCRETE SLAB,



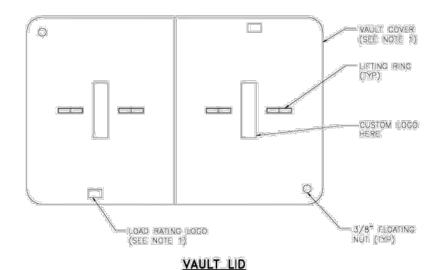


VAULT W/ BOTTOM ENTRY



NOTE:

1. ENCLOSURES, BOXES AND COVERS ARE REQUIRED TO MEET OR EXCEED ALL TESTS PROVISIONS OF THE MOST CURRENT ANSI/SCIE 77=2007 "SPECIFICATIONS FOR UNDERGROUND INTEGRITY" FOR THER 15 OR BETTER.



ADA REQUIREMENTS:

SURFACE LEVEL CRITERIA: NO HEIGHT DIFFERENTIALS WITH A LIP GREATER THAN X IN HEIGHT, EXCEPTIONS: A HEIGHT DIFFERENTIAL BETWEEN X AND X IS ACCEPTABLE IF IT IS BEVELED AT A 2:1 SLOPE; OR A HEIGHT DIFFERENTIAL GREATER. THAN 1/2 IS ACCEPTABLE IF IT IS RAMPED WITH A SLOPE OF 8.53% (1V.T2H) OR LESS.

UTILITY COVERS SHALL HAVE A SUP RESISTANT TOP, AS MUCH AS POSSIBLE, AND MEET CHANGES IN LEVEL CRITERIA AS STATED ABOVE.

LIET HOLES FOR UTILITY COVERS SHALL NOT HAVE AN OPENING GREATER THAN Y. PLUGGING OF HOLES GREATER THAN 'X WITH A MATERIAL APPROVED BY THE ENGINEER IS ACCEPTABLE AS LONG AS IT IS FLUSH WITH THE COVER SURFACE.

- A LEVEL PEDESTRIAN ACCESS ROUTE (PAR) OR WALKWAY SHALL BE PROVIDED ACROSS COMMERCIAL AND RESIDENTAL ENTRANCES, MEETING THE FOLLOWING CRITERIA:

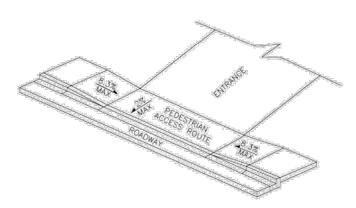
 THE WALKWAY IS AT MINIMUM 3 WIDE

 GROSS SLOPE OF WALKWAY IS 2% OR LESS.

 WALKWAY IS AT THE SAME GRADE AS THE ADJACENT ROADWAY.

 THE WALKWAY DOES NOT HAVE TO BE MARKED, BUT PROVIDES A STRAIGHT LINE BETWEEN THE ADJOINING SIDEWALKS OR RAMPS.

 THERE IS NOT AN ABRUPT TRANSITION FROM THE DRIVEWAY TO THE ROADWAY FOR VEHICLES, I.E., VEHICLES WILL NOT BOTTOM OUT WHEN DRIVING OVER THE TRANSITION.



PEDESTRIAN ACCESS ROUTE



3701 COMMUNICATIONS WAY EVANSVILLE, IN. 47715



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TASK NAME

WILC003-U-S4

TASK DESCRIPTION

FIBER OPTIC CONDUIT **PLACEMENT**

PROJECT AREA

LACROSSE, WI, USA

SHEET SCALE

N.T.S.

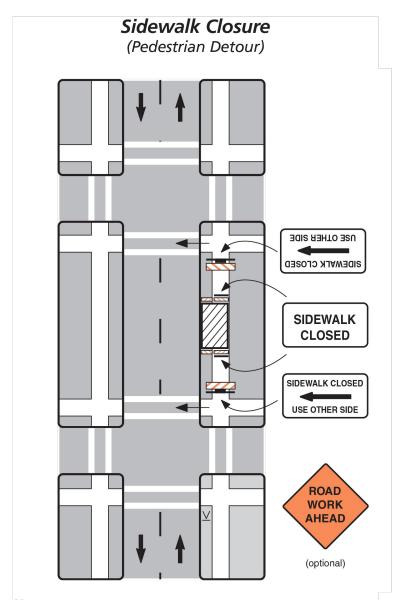
SHEET TITLE

DETAILS

GRID NUMBER

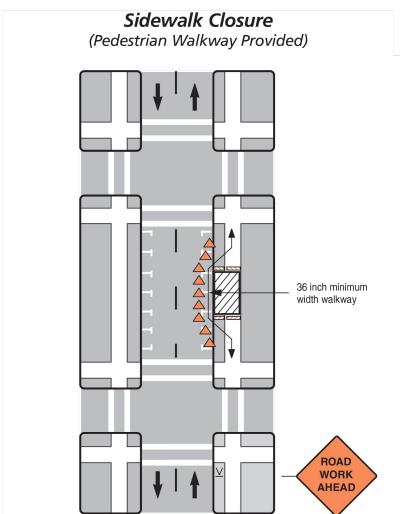
SHEET NUMBER

PROJECT# 2023.0119.0002



Notes

- 1. Additional advance warning may be necessary.
- 2. Only the traffic control devices related to pedestrians are shown. Other devices may be needed to control traffic on the streets such as lane closure signs, ROAD NARROWS or LANE NARROWS signs.
- 3. For nighttime closures, Type A flashing warning lights may be used on barricades supporting signs and closing walkways.
- 4. Audible devices should be considered to alert pedestrians with visual disabilities of closings and crosswalk changes.



Notes

- 1. Additional advance warning may be necessary.
- 2. Only the traffic control devices related to pedestrians are shown. Other devices such as lane closure signs, ROAD NARROWS or LANE NARROWS signs may be needed to control traffic on the streets.
- 3. For nighttime closures, Type A flashing warning lights may be used on barricades supporting signs and closing walkways. Type C or Type D steady-burn lights may be used on channelizing devices separating the temporary walkway from vehicular traffic.
- 4. Where high speeds are likely, a barrier should separate the temporary walkway from vehicular traffic. Refer to Section 6D.01of Part 6 of the MUTCD for information on barriers.
- 5. Signs may be placed along a temporary walkway to guide pedestrians; for example, Keep Right or Keep Left signs.
- 6. Pedestrian walkways should be ADA accessible (i.e., ramps, surfaces).

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TASK NAME

WILC003-U-S4

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT ARE

LACROSSE, WI, USA

SHEET SCALE

N.T.S.

SHEET TITLE

TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER

TCP-1