TASK NAME: WILC015-U-S1

TASK DESCRIPTION: FIBER OPTIC CONDUIT PLACEMENT

SITE LOCATION: LACROSSE, WI

metronet

3701 COMMUNICATIONS WAY
EVANSVILLE, IN, 47715



I 100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 COA# 3620-11 www.fullerton-us.com

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ADDRESS: 1100 E. WOODFIELD ROAD, SUITE 500 SCHAMBURING, ILLINOIS 60173 EDR: DAN SMITH, P.E. PHONE: 847-908-8521 EMAIL: DSMITH@FULLERTONENGINEERING.COM PCWER COMPANY: PHONE: LEPHONE: SCOPE OF WORK TELEPHONE COMPANY: PHONE: SCOPE OF WORK CONSISTS OF: INSTALLATION OF: - 5.2822 OF UNIQUE CONDUIT - 8.991-07 - 1252 CONDUIT DIRECTIONAL BORE - 3.170 OF AERIAL CONDUIT - 8.991-07 AERIAL CONDUIT - 8.991-07 AERIAL CONDUIT - 9. (1) MH-MADHOLE 17X30X18[UTILITY BOX) - (1) BH-MANDHOLE 17X30X18[UTILITY BOX)	EMAIL:	MKAMINSKI@FULLERTON-US.COM		WILCU15-U-51
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3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715



0 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 COA# 3620-11 www.fullerton-us.com

REV	DATE	DESCRIPTION	BY
Α	03/19/24	ISSUED FOR REVIEW	CS
В	05/10/24	REVISED	CS
С	05/30/24	REVISED	JF

I HERBY 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

WILC015-U-S1

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

N.T.S.

SHEET TITLE

SHEET INDEX

GRID NUMBER

SHEET NUMBER

T-2

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	3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715	
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SN	EXISTING SUNESYS	(SN)	EXISTING SUNESYS MANHOLE
VZ	EXISTING VERIZON	(VZ)	EXISTING VERIZON MANHOLE
— UF — — —	EXISTING CITY FIBER		

COMMUNICATIONS

	MISCEL	LLANEOUS	
x	EXISTING FENCE	②	EXISTING MISCELLANEOUS MANHOL
	EXISTING CONSTRUCTION FENCE	<u>©</u>	EXISTING GARBAGE CAN
o	EXISTING GUARDRAIL	@	EXISTING PARK DISTRICT MANHOLE
R/W	EXISTING PROPERTY LINE/ R.O.W.	<u></u>	EXISTING MONITORING WELL
0 ── D	EXISTING BIKE RACK	Ē	EXISTING FIRE ALARM
	EXISTING TREE	P	EXISTING STREET PARKING PAY BOX
(C)	EXISTING BUSH		EXISTING PEDESTAL
- o-	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
Q	EXISTING STANDPIPE	S	EXISTING SPRINKLER VALVE
ADA	EXISTING ADA RAMP	H	EXISTING SUPPORT COLUMN

	PROPO	SED	
	PROPOSED OPEN CUT TRENCH	В	PROPOSED B-UTILITY BOXES(17X30X18)
	PROPOSED DIRECTIONAL BORE	TE	PROPOSED TERMINAL BOXES(13X24X15)
	PROPOSED BORE PIT	DB	PROPOSED DROP BOXES(11X11X12)
LHH	PROPOSED L-HANDHOLE(30X48X24)		
HH	PROPOSED M-HANDHOLE(24X36X18)		
	SEWE	<u> </u>	
)	EXISTING SEWER MAIN		EXISTING SEWER MANHOLE
	EXISTING SEWER MAIN (ABANDON)	(1)	EXISTING SEWER CATCH BASIN
>	EXISTING STORM SEWER MAIN		EXISTING SEWER INLET
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	WATE	<u>=R</u>	
w	EXISTING WATER MAIN		EXISTING WATER MANHOLE
	EXISTING WATER MAIN (ABANDON)	©	EXISTING WATER VALVE
*S	EXISTING WATER SHUT OFF	•	EXISTING WATER METER
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Е	EXISTING WATER CAP		EXISTING WATER REDUCER
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\triangleright	EXISTING GAS REDUCER		
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SLC	EXISTING STREET LIGHT CONTROL BOX	\	EXISTING TRAFFIC LIGHT POLE
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T	EXISTING TRAFFIC LIGHT HANDHOLE	0	EXISTING ELECTRIC HANDHOLE

Ē

EXISTING RED LIGHT FLASH POLE

EXISTING RED LIGHT CAMERA POLE

C

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. FULLETYON 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.
- SHORING MAY BE REQUIRED AND SHALL COMPLY TO O.S.H.A. STANDARDS.
- 6. ALL BURIED CONDUIT/CABLE WILL BE PLACED AT 30-48" MINIMUM COVER UNLESS SPECIFIED OR OTHERWISE NOTED ON THE CONSTRUCTION DRAWINGS.
- 7. 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 FOLLOWED.
- 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
- 9. 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.

3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715



1100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 COA# 3620-11

REV	DATE	DESCRIPTION	BY
Α	03/19/24	ISSUED FOR REVIEW	CS
В	05/10/24	REVISED	CS
С	05/30/24	REVISED	JF
			Г

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 HE REQUIREMENTS OF ALL APPLICABLE CODES.

TASK NAME

WILC015-U-S1

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

N.T.S.

SHEET TITLE

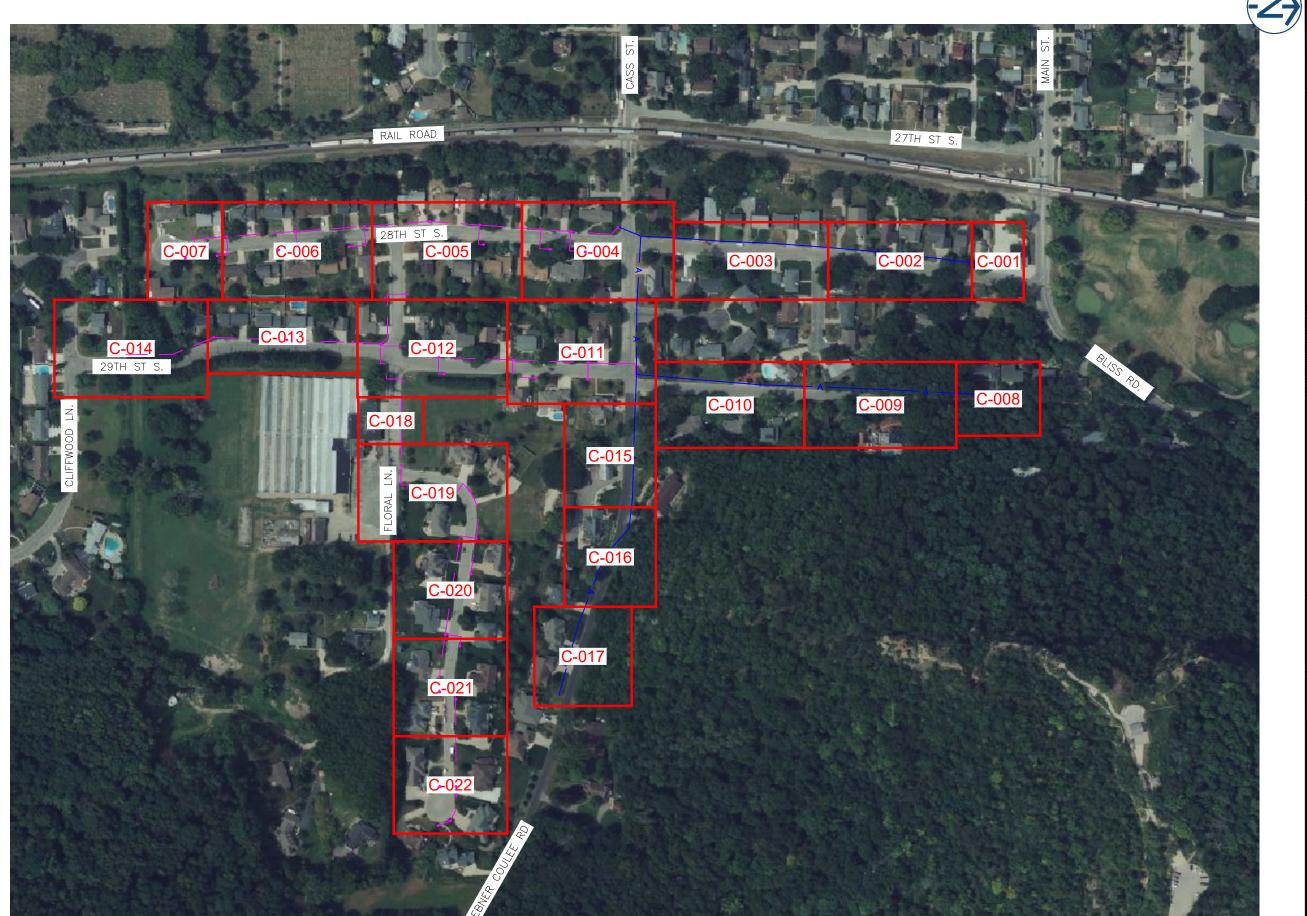
GENERAL NOTES

GRID NUMBER

SHEET NUMBER

GN-1

PROJECT# 2023.0119.0002



PLANSET

metronet

3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715



1100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 COA# 3620-11 www.fullerton-us.com

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TASK NAME

WILC015-U-S1

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT ARE

LACROSSE, WI

SHEET SCALE

N.T.S.

SHEET TITLE

MAP

GRID NUMBER

SHEET NUMBER

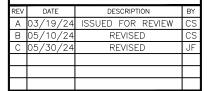
MAP-1



3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715



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TASK NAME

WILC015-U-S1

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT ARE

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

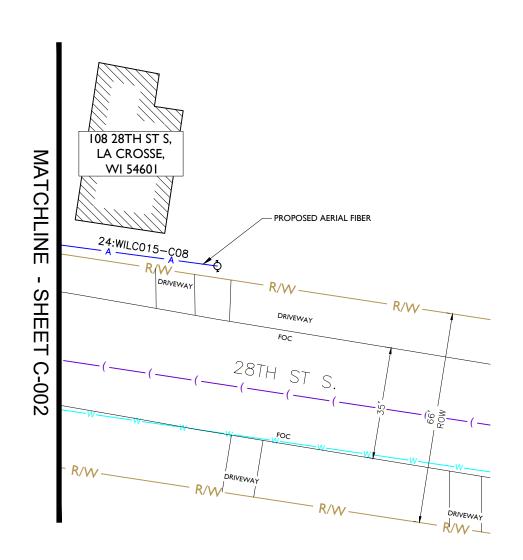
SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

C-001



NOTE

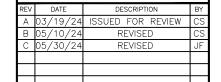
- PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS
- BURY AT 24" MIN. UNDER SOFT SURFACE-BURY AT 36" MIN. UNDER HARD SURFACE
- MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.



3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715



1100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 COA# 3620-11



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TASK NAME

WILC015-U-S1

TASK DESCRIPTION

FIBER OPTIC CONDUIT **PLACEMENT**

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

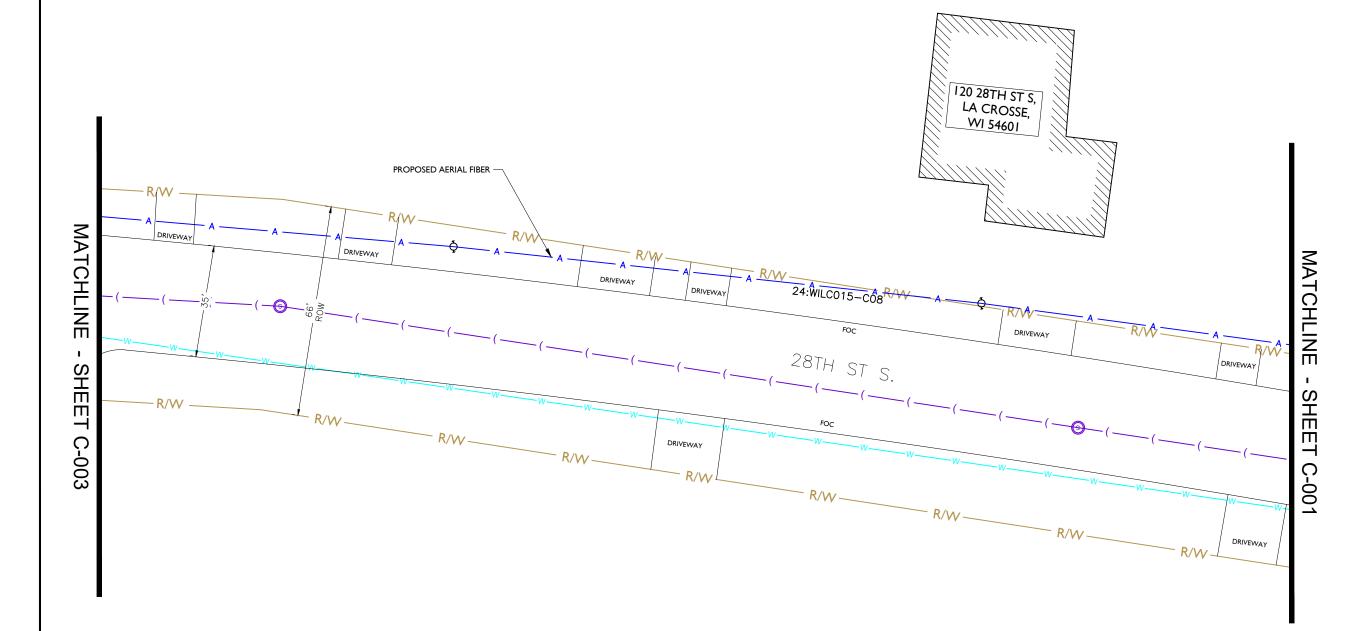
SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

C-002



NOTE:

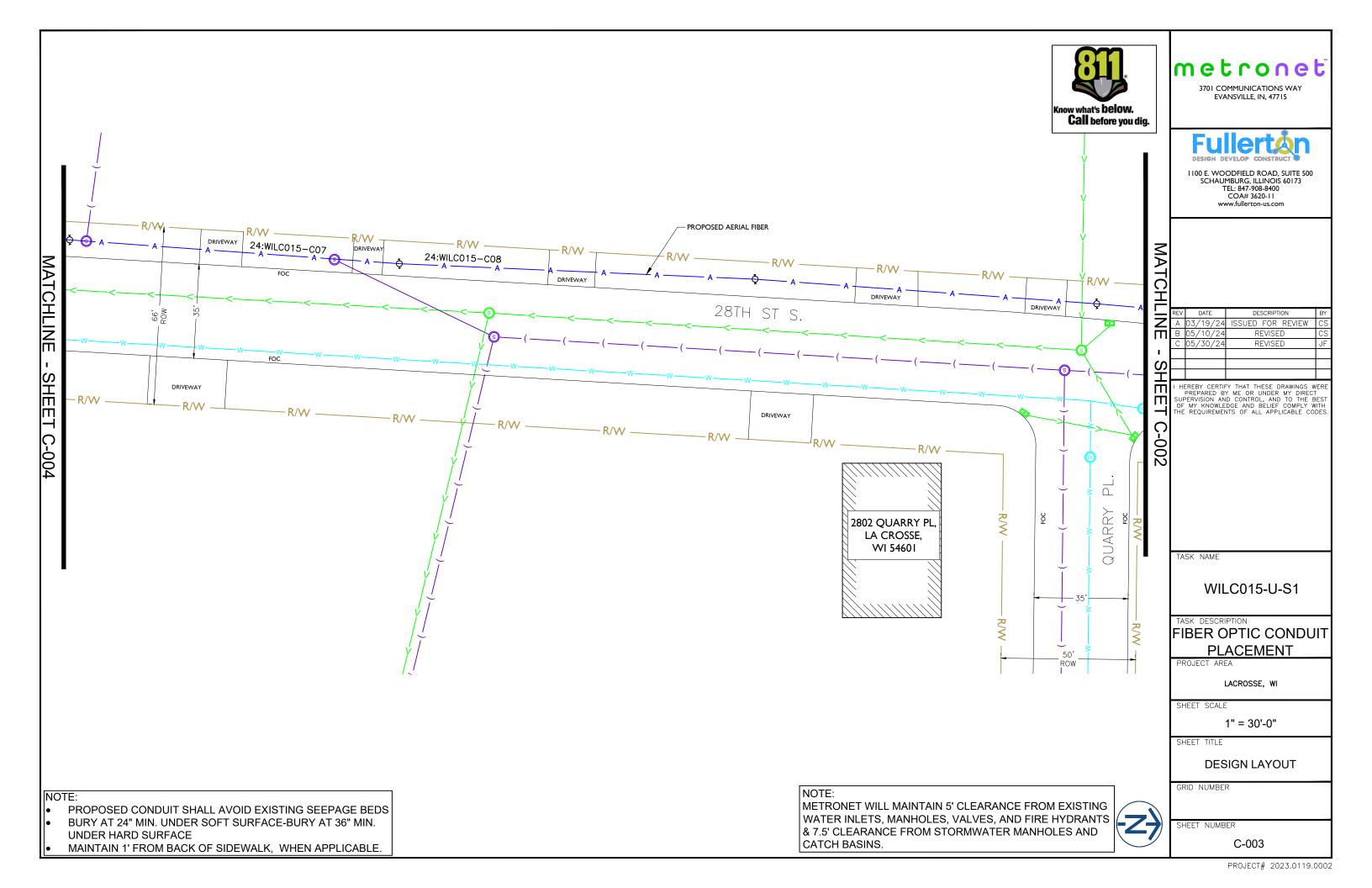
CATCH BASINS.

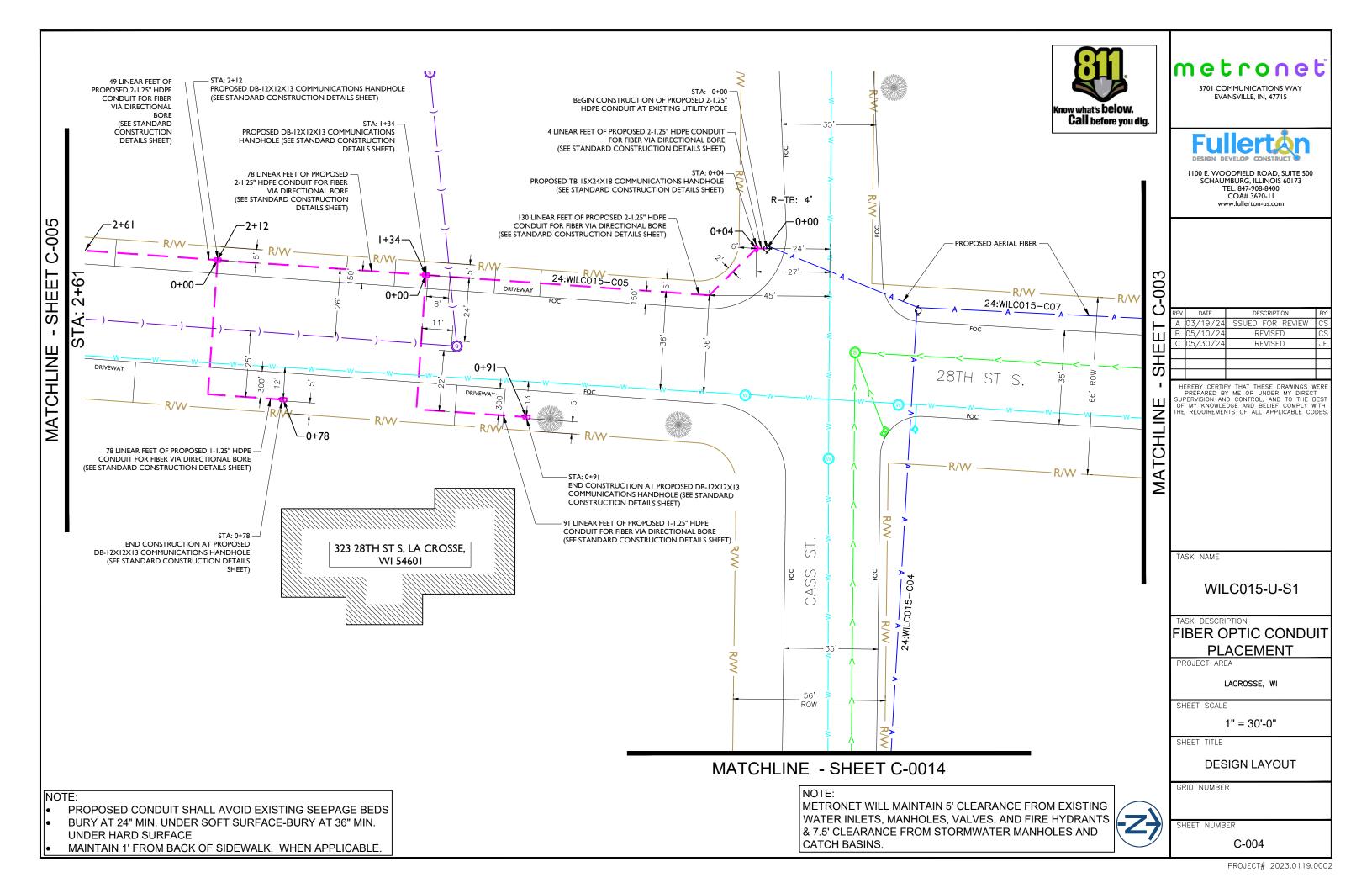
METRONET WILL MAINTAIN 5' CLEARANCE FROM EXISTING

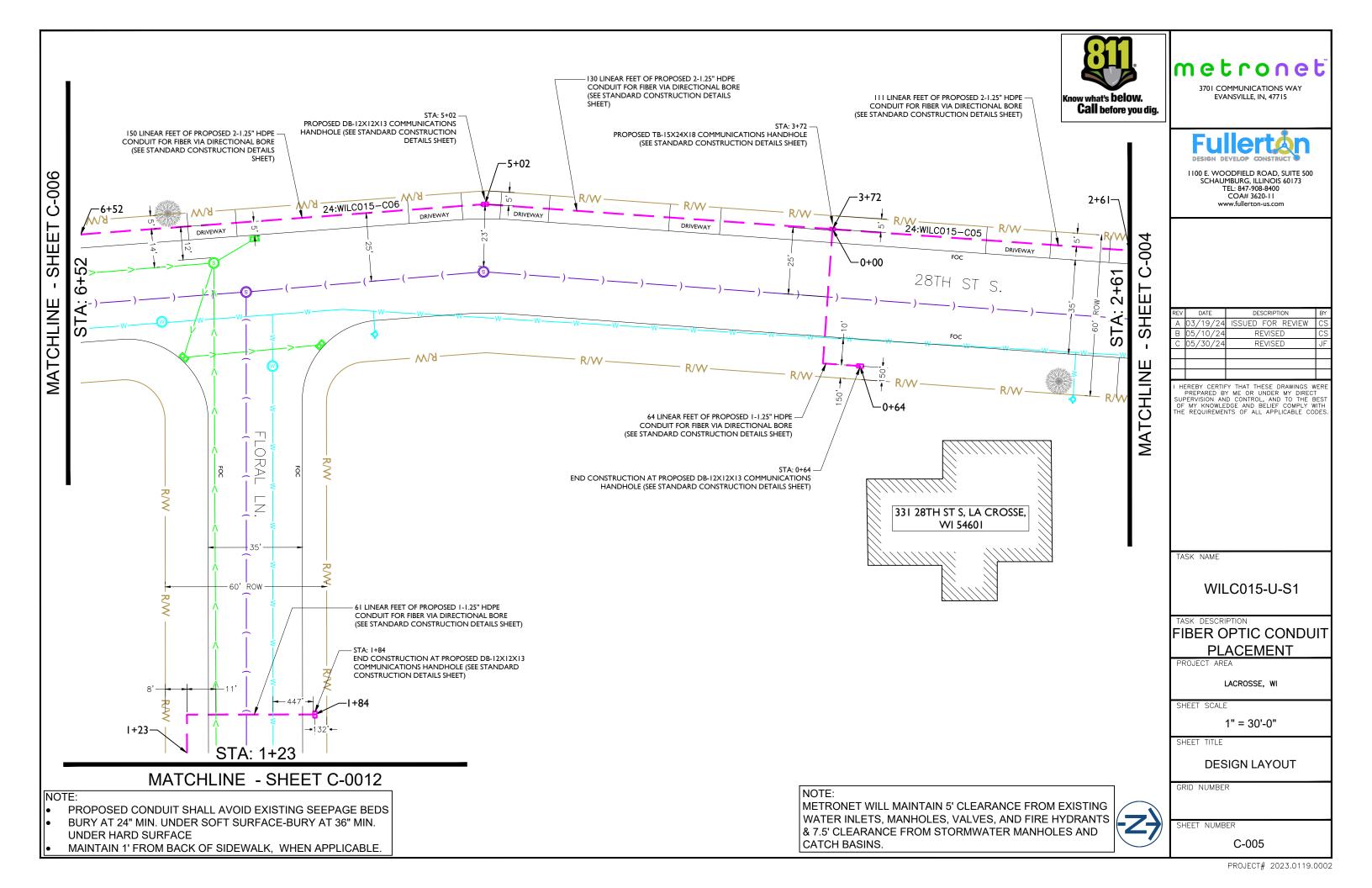
& 7.5' CLEARANCE FROM STORMWATER MANHOLES AND

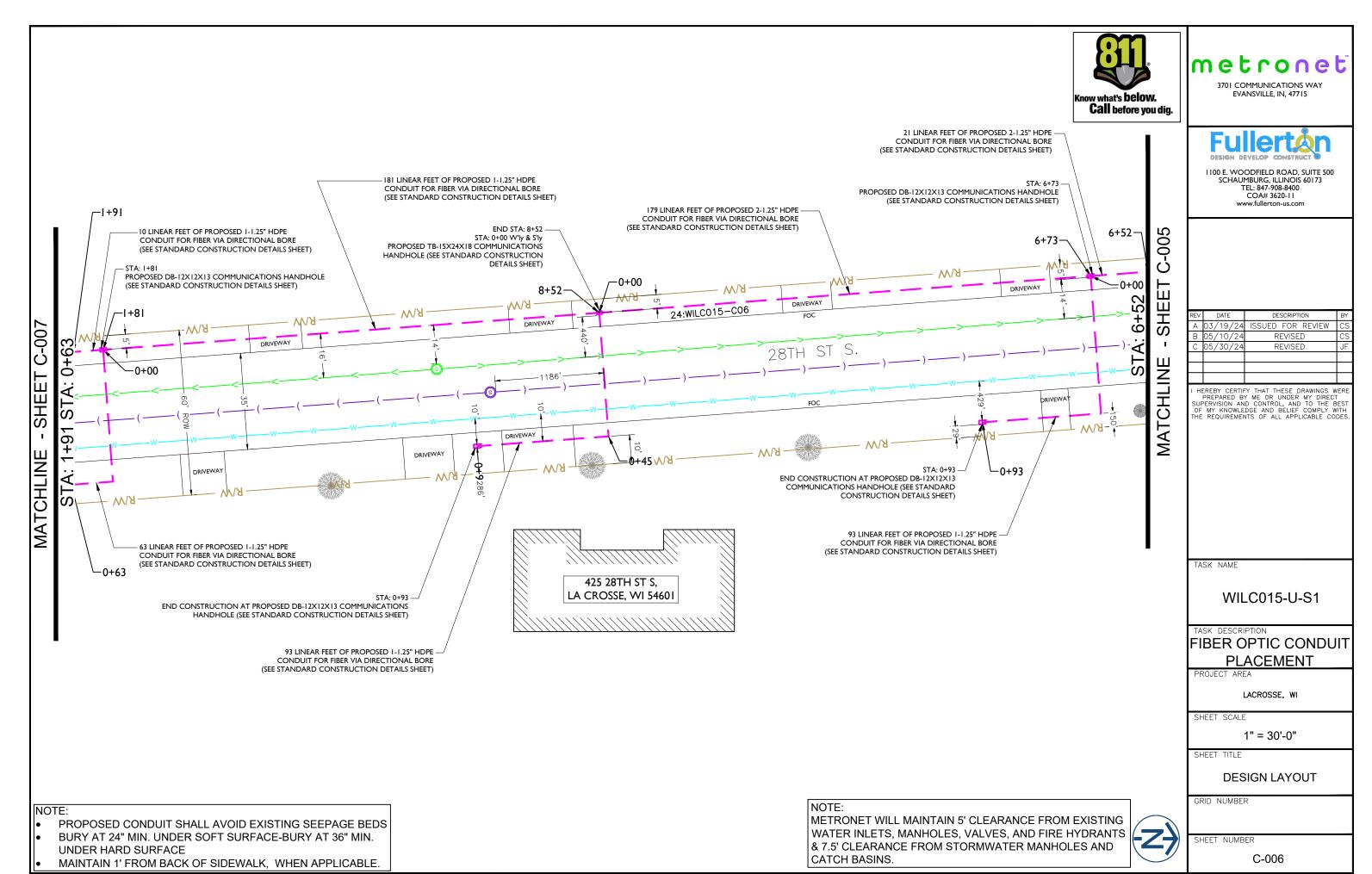
NOTE:

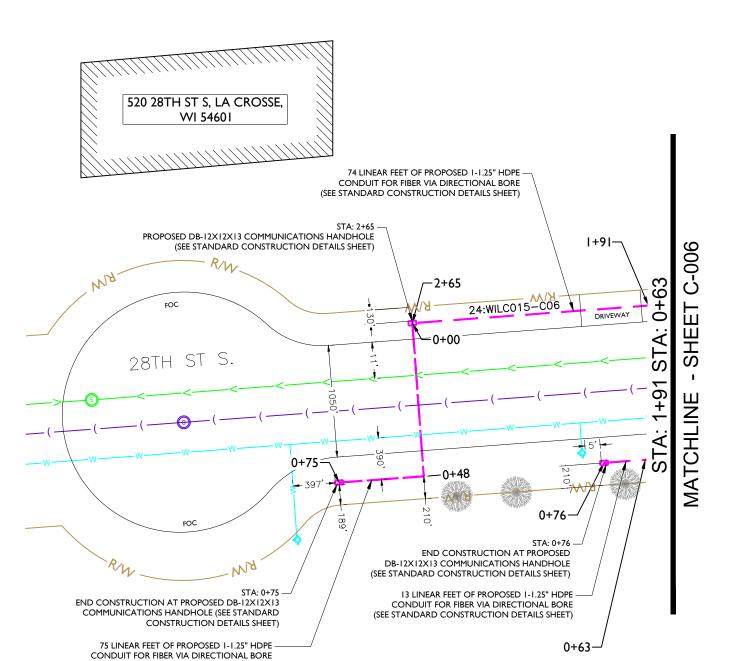
- PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS
- BURY AT 24" MIN. UNDER SOFT SURFACE-BURY AT 36" MIN. UNDER HARD SURFACE
- MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.











(SEE STANDARD CONSTRUCTION DETAILS SHEET)



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3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715



1100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 COA# 3620-11

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С	05/30/24	REVISED	JF

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TASK NAME

WILC015-U-S1

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT ARE

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

C-007

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.

IOTF:











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В	05/10/24	REVISED	CS
С	05/30/24	REVISED	JF

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TASK NAME

WILC015-U-S1

TASK DESCRIPTION

FIBER OPTIC CONDUIT **PLACEMENT**

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

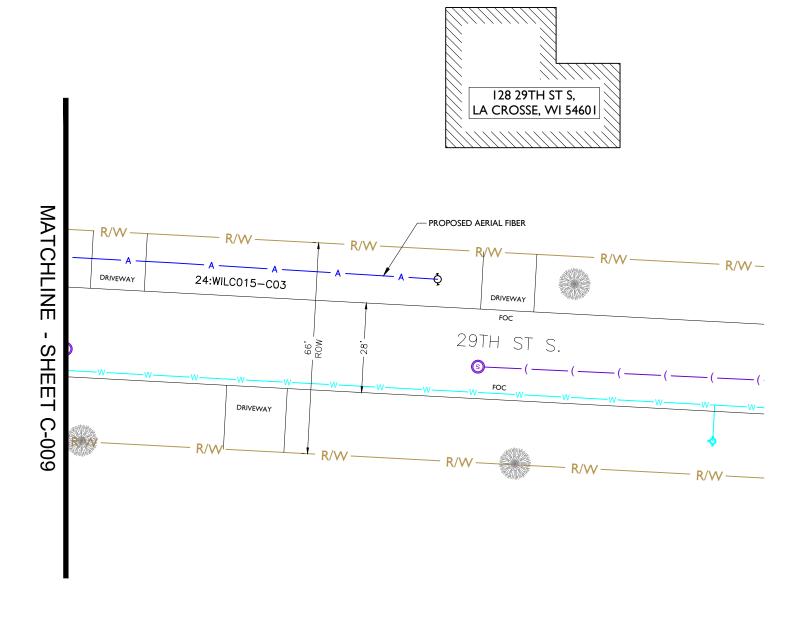
SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

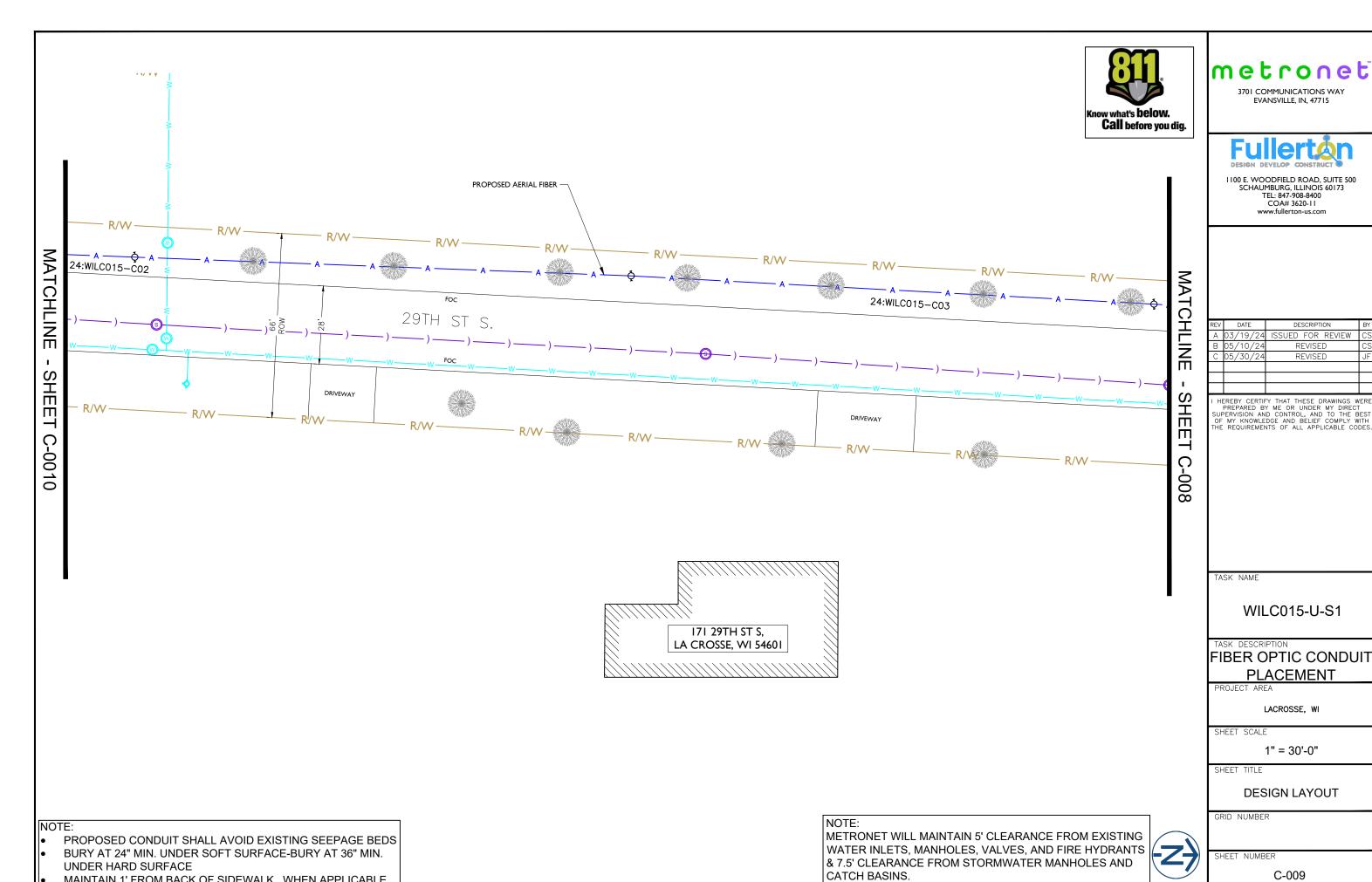
SHEET NUMBER

C-008



- 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:



MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.

C-009

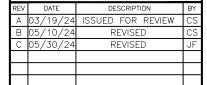
REVISED



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TASK NAME

WILC015-U-S1

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT ARE

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

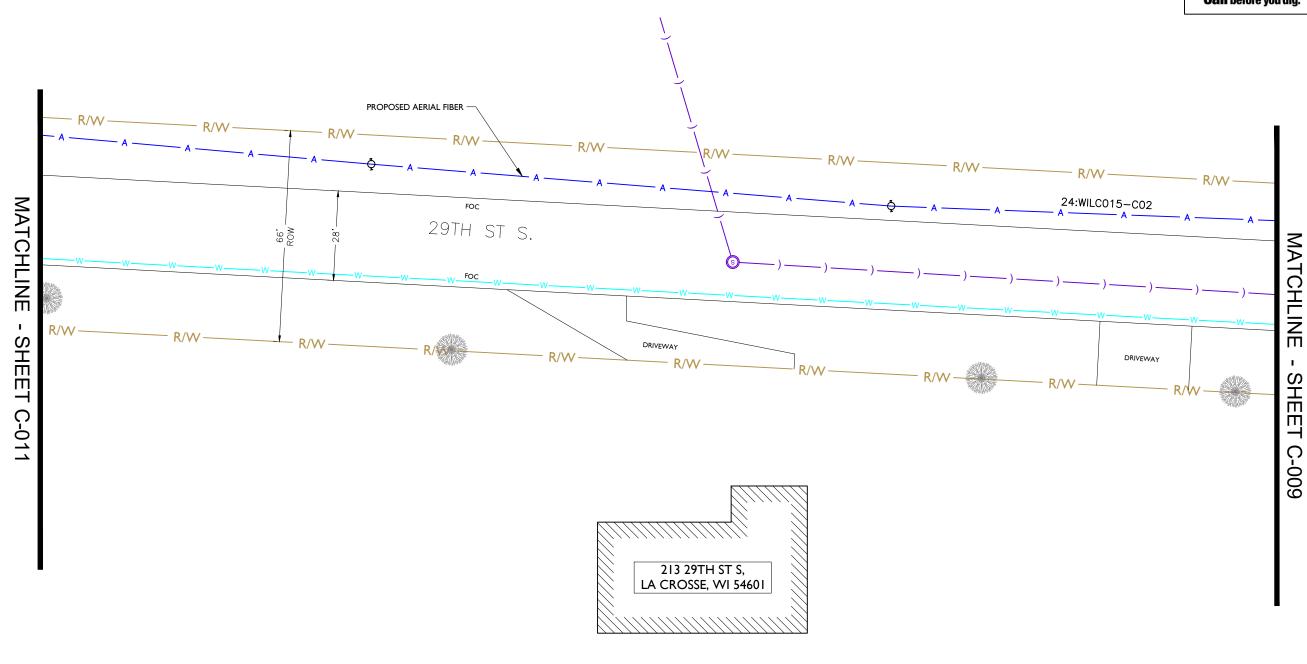
SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

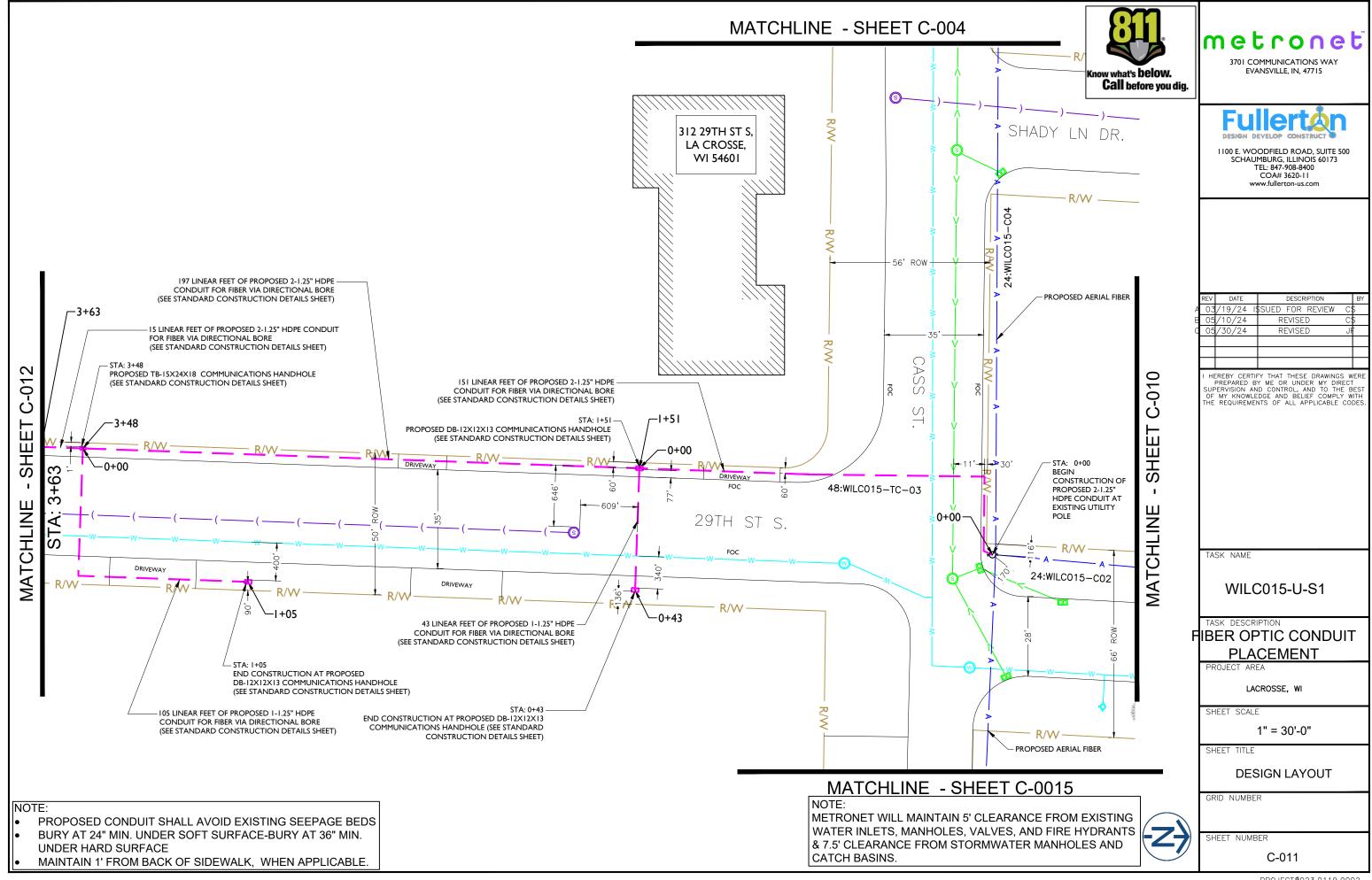
SHEET NUMBER

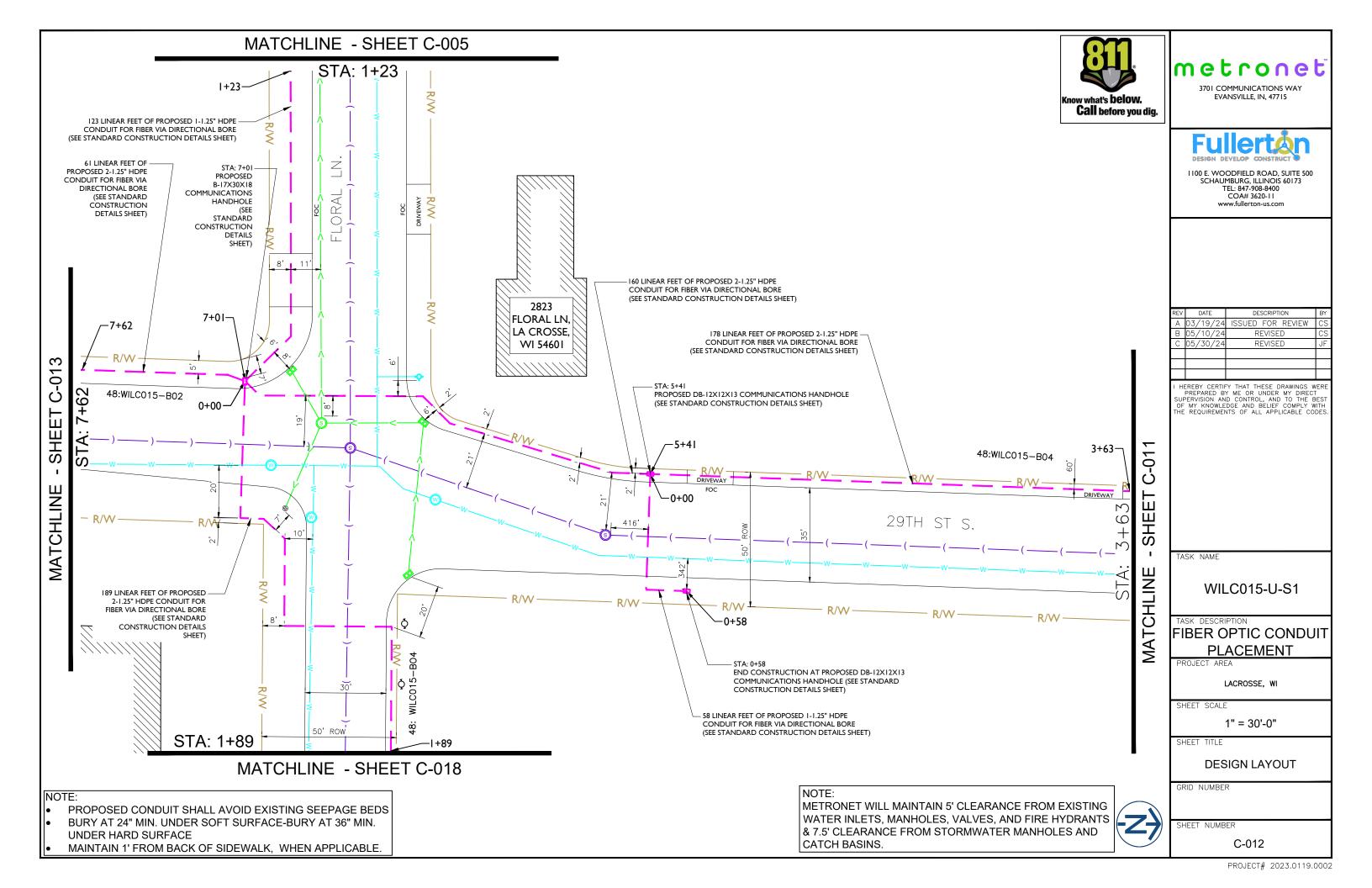
C-010



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.



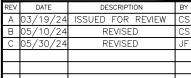




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TASK NAME

WILC015-U-S1

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT ARE

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

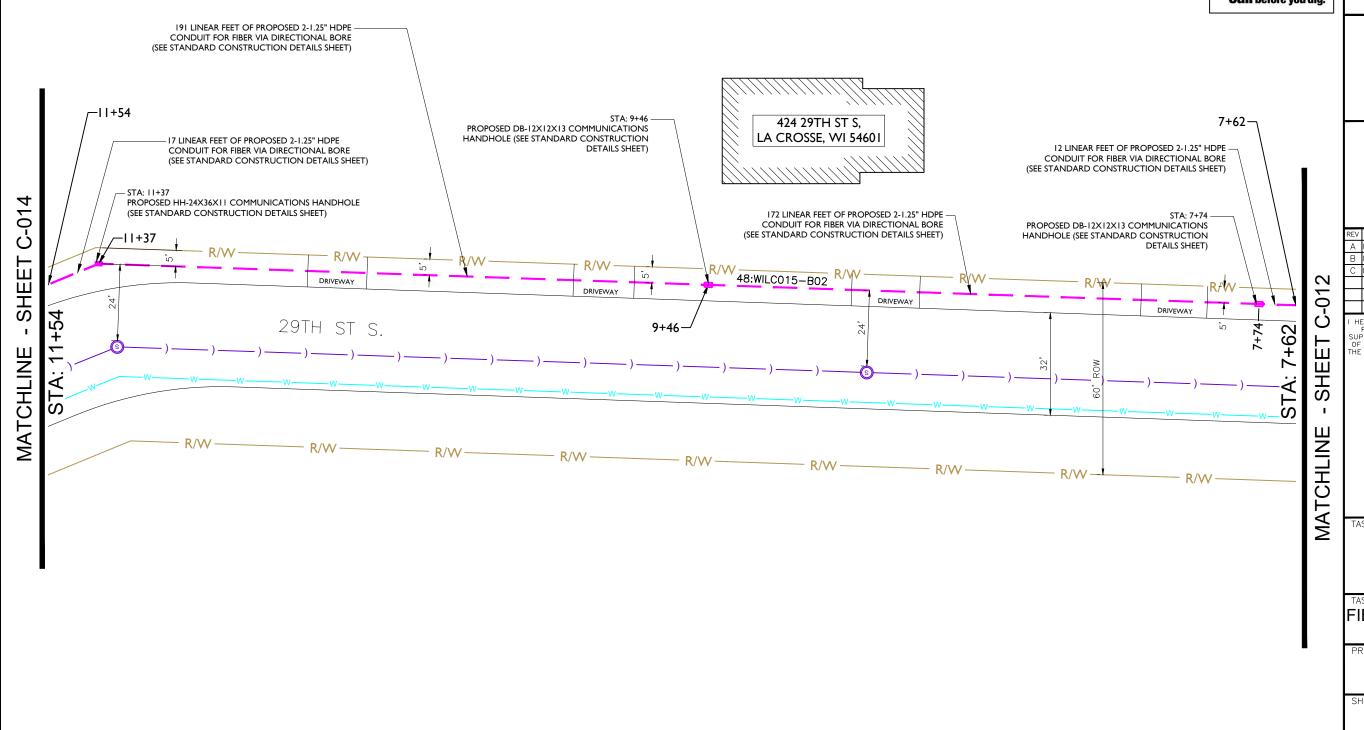
SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

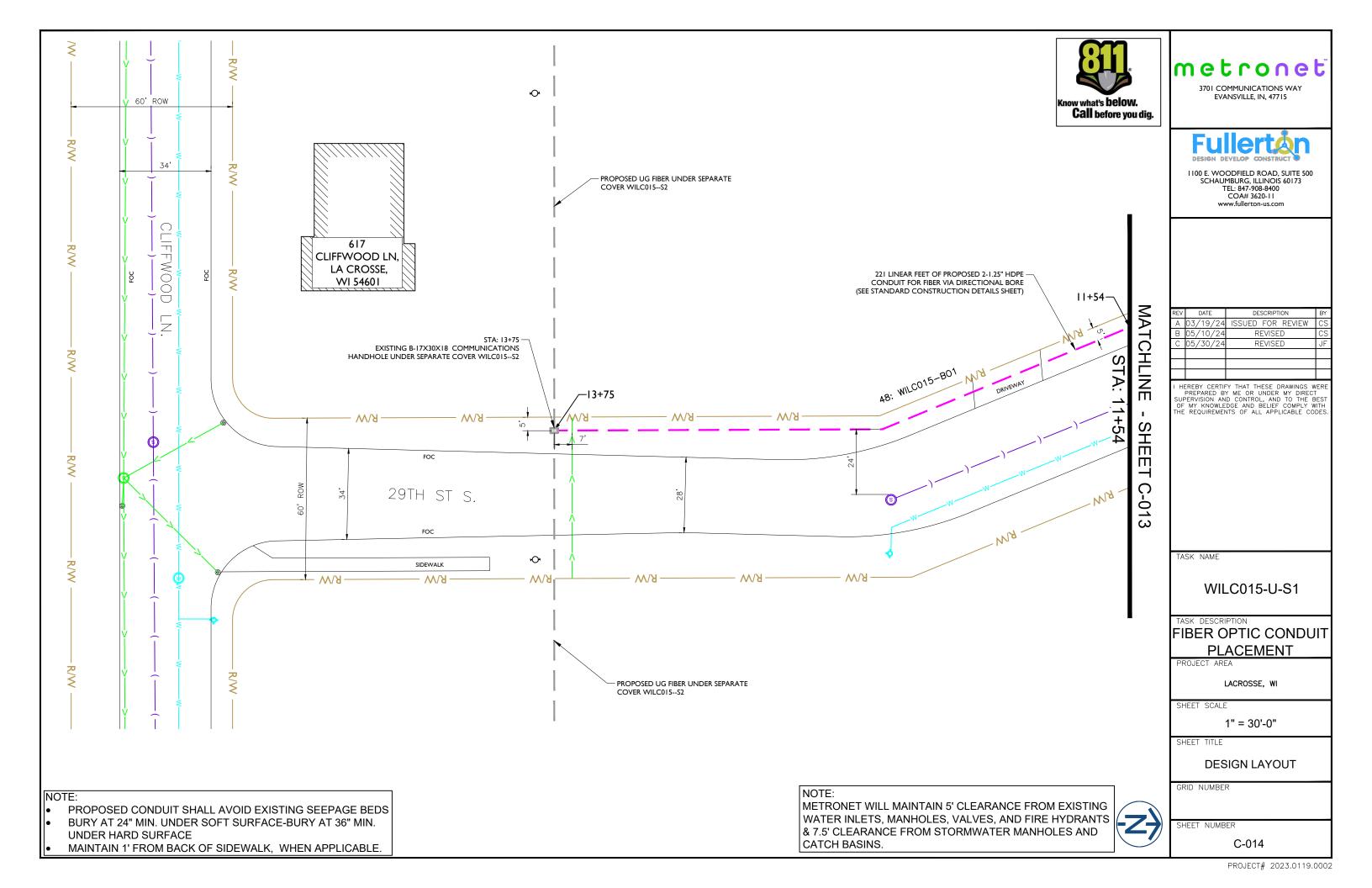
SHEET NUMBER

C-013



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-011 52' ROW CAS PROPOSED AERIAL FIBER Ö \bigcirc 2936 CASS ST, LA CROSSE, WI 54601

MATCHLINE - SHEET C-016

Know what's below. Call before you dig.

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3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715



1100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 COA# 3620-11

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С	05/30/24	REVISED	JF

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TASK NAME

WILC015-U-S1

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

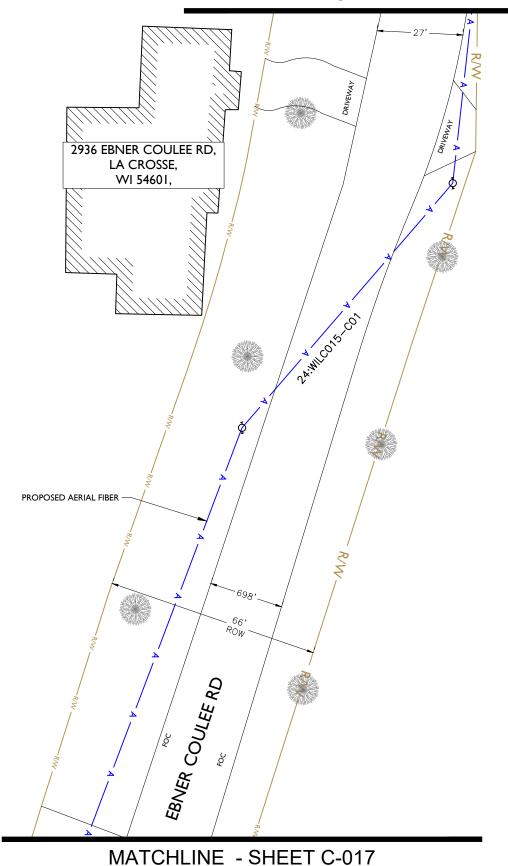
SHEET NUMBER

C-015

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-015







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TASK NAME

WILC015-U-S1

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

C-016

SHEET NUMBER

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:

MATCHLINE - SHEET C-016





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С	05/30/24	REVISED	JF

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TASK NAME

WILC015-U-S1

TASK DESCRIPTION

FIBER OPTIC CONDUIT **PLACEMENT**

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

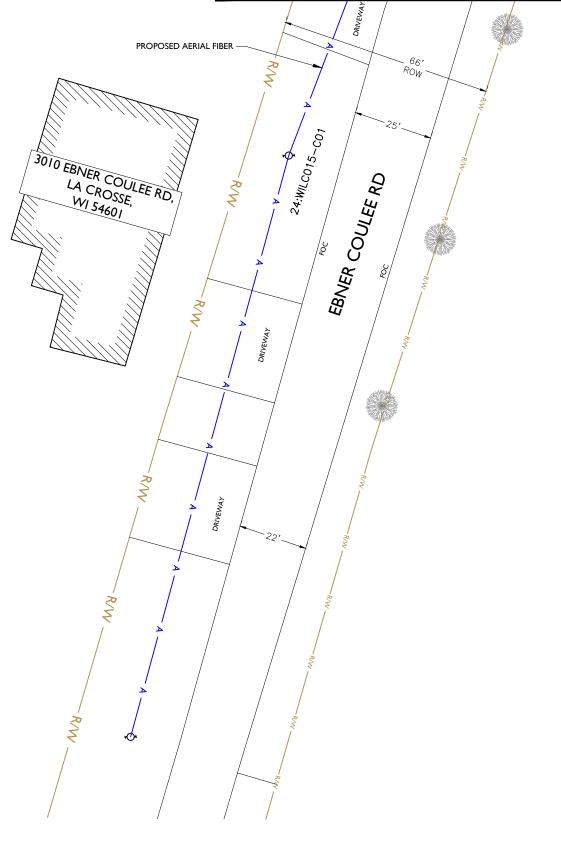
SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

C-017



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.



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TASK NAME

WILC015-U-S1

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT ARE

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

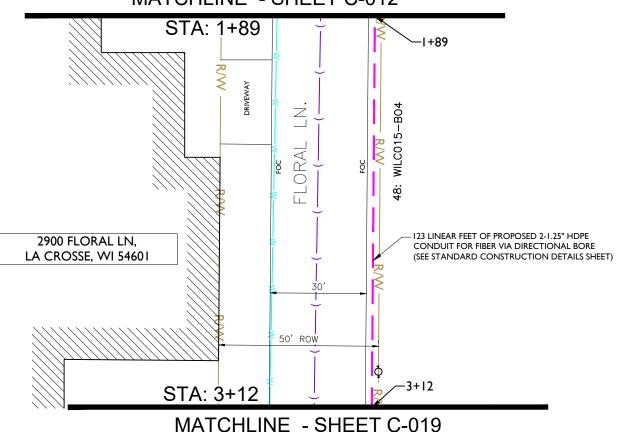
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

C-018

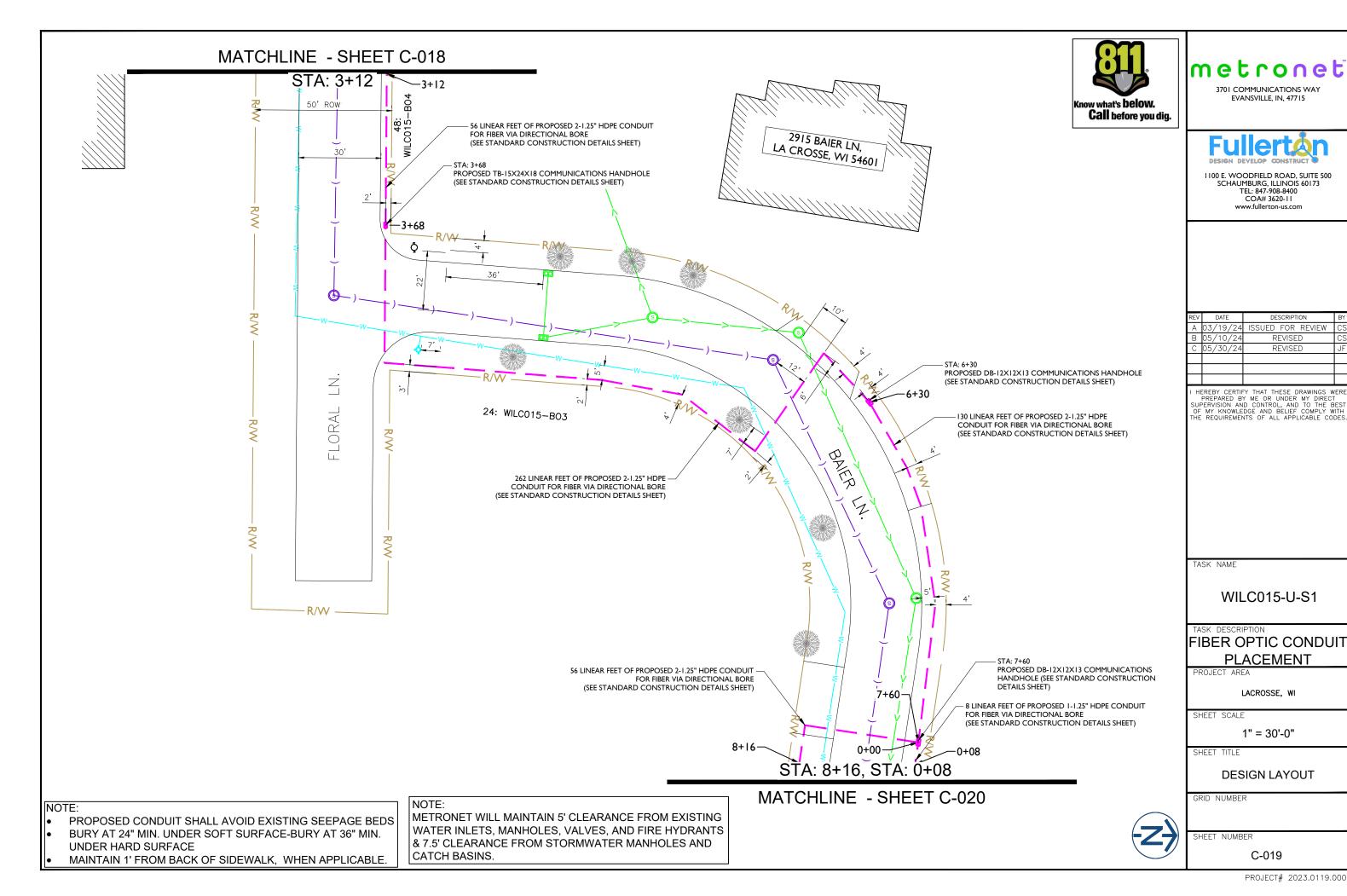
MATCHLINE - SHEET C-012



NOTE

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- BURY AT 24" MIN. UNDER SOFT SURFACE-BURY AT 36" MIN. UNDER HARD SURFACE
- MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.

NOTE:



PROJECT# 2023.0119.0002

C-019

SUED FOR REVIEW REVISED

MATCHLINE - SHEET C-019







3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715



1100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 COA# 3620-11

I	REV	DATE	DESCRIPTION	BY
I	Α	03/19/24	ISSUED FOR REVIEW	CS
ſ	В	05/10/24	REVISED	CS
I	С	05/30/24	REVISED	JF
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TASK NAME

WILC015-U-S1

TASK DESCRIPTION

FIBER OPTIC CONDUIT **PLACEMENT**

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

DESIGN LAYOUT

SHEET TITLE

GRID NUMBER

SHEET NUMBER

C-020

₋₀₊₀₈ STA: 8+16, STA: 0+08 8+16-12 LINEAR FEET OF PROPOSED 2-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET) STA: 8+28 PROPOSED DB-12X12X13 COMMUNICATIONS HANDHOLE (SEE STANDARD CONSTRUCTION 86 LINEAR FEET OF PROPOSED 1-1.25" HDPE CONDUIT DETAILS SHEET) FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET) WILCO15-END CONSTRUCTION AT PROPOSED DB-12X12X13 COMMUNICATIONS HANDHOLE (SEE STANDARD CONSTRUCTION DETAILS SHEET) 234 LINEAR FEET OF PROPOSED 2-1,25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE -B03 (SEE STANDARD CONSTRUCTION DETAILS SHEET) 2955 BAIER LN. LA CROSSE, WI 5460 I STA: 10+62 -PROPOSED DB-12X12X13 COMMUNICATIONS HANDHOLE (SEE STANDARD CONSTRUCTION **DETAILS SHEET)** 10+62-47 LINEAR FEET OF PROPOSED 1-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET) 11 LINEAR FEET OF PROPOSED 2-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET) STA: 10+73, STA: 0+47

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-021

MATCHLINE - SHEET C-020 STA: 10+73, STA: 0+47 10+73 19 LINEAR FEET OF PROPOSED 1-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET) END CONSTRUCTION AT PROPOSED DB-12X12X13 WILC015-B03 COMMUNICATIONS HANDHOLE (SEE STANDARD 140 LINEAR FEET OF PROPOSED 2-1.25" HDPE -CONSTRUCTION DETAILS SHEET) CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET) 24: - 61 LINEAR FEET OF PROPOSED 2-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET) PROPOSED DB-12X12X13 COMMUNICATIONS HANDHOLE (SEE STANDARD CONSTRUCTION DETAILS SHEET) STA: 12+74 12+13-PROPOSED TB-15X24X18 COMMUNICATIONS HANDHOLE (SEE STANDARD CONSTRUCTION DETAILS SHEET) -12+74 BAIER 3020 BAIER LN, LA CROSSE, WI 5460 I 96 LINEAR FEET OF PROPOSED 1-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET) -I3+70 STA: 13+70 MATCHLINE - SHEET C-022 NOTE: NOTE: PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS WATER INLETS, MANHOLES, VALVES, AND FIRE HYDRANTS BURY AT 24" MIN. UNDER SOFT SURFACE-BURY AT 36" MIN. & 7.5' CLEARANCE FROM STORMWATER MANHOLES AND UNDER HARD SURFACE MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.



metronet

3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715



1100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 COA# 3620-11

REV	DATE	DESCRIPTION	BY
Α	03/19/24	ISSUED FOR REVIEW	CS
В	05/10/24	REVISED	CS
С	05/30/24	REVISED	JF

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TASK NAME

WILC015-U-S1

TASK DESCRIPTION

FIBER OPTIC CONDUIT **PLACEMENT**

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

C-021

METRONET WILL MAINTAIN 5' CLEARANCE FROM EXISTING

CATCH BASINS.



MATCHLINE - SHEET C-021 STA: 13+70 50' ROW 154 LINEAR FEET OF PROPOSED 1-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET) 3110 BAIER LN, LA CROSSE, WI 5460 I - 42 LINEAR FEET OF PROPOSED 1-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET) STA: 15+01 -15+01 STA: 0+00 0+42 END CONSTRUCTION AT PROPOSED DB-12X12X13 COMMUNICATIONS HANDHOLE (SEE STANDARD -0+00 CONSTRUCTION DETAILS SHEET) STA: 0+42 END CONSTRUCTION AT PROPOSED DB-12X12X13 - STA: 15+24 COMMUNICATIONS HANDHOLE (SEE STANDARD PROPOSED DB-12X12X13 COMMUNICATIONS HANDHOLE CONSTRUCTION DETAILS SHEET) (SEE STANDARD CONSTRUCTION DETAILS SHEET) 15+24 70 LINEAR FEET OF PROPOSED 1-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET) 18' BAIE 15+94 STA: 15+94 PROPOSED DB-12X12X13 COMMUNICATIONS HANDHOLE (SEE STANDARD CONSTRUCTION 16+28-END CONSTRUCTION AT PROPOSED DB-12X12X13 COMMUNICATIONS HANDHOLE (SEE STANDARD CONSTRUCTION DETAILS SHEET) 34 LINEAR FEET OF PROPOSED 1-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

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

metronet

3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715



1100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 COA# 3620-11

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TASK NAME

WILC015-U-S1

TASK DESCRIPTION

FIBER OPTIC CONDUIT **PLACEMENT**

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

C-022

- 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.

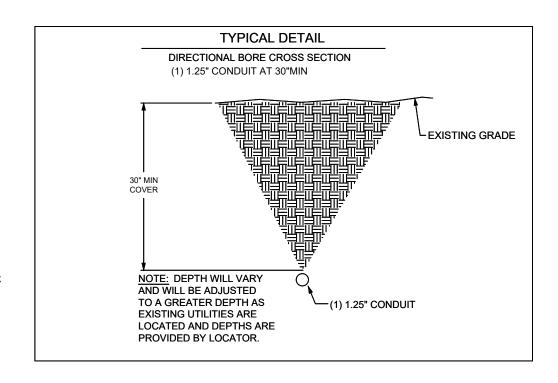
ADDITIONAL NOTES:

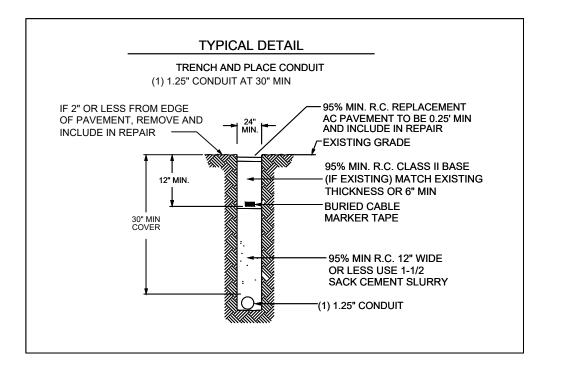
- 1. EXCEPT AS OTHERWISE NOTED, CONTRACTOR SHALL MAINTAIN A MINIMUM OF 24 INCHES OF SEPARATION FROM EXISTING UTILITIES.
- 2. CONTRACTOR SHALL POTHOLE EACH UTILITY TO DETERMINE SIZE, LOCATION, AND DEPTH PRIOR TO CROSSING.
- 3. CONTRACTOR IS CAUTIONED TO PROTECT SEWER MANHOLES, CATCH BASINS, LATERALS AND 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.





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3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715



I 100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 COA# 3620-11

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		·	

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TASK NAME

WILC015-U-S1

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT ARE

LACROSSE, WI

SHEET SCALE

N.T.S.

SHEET TITLE

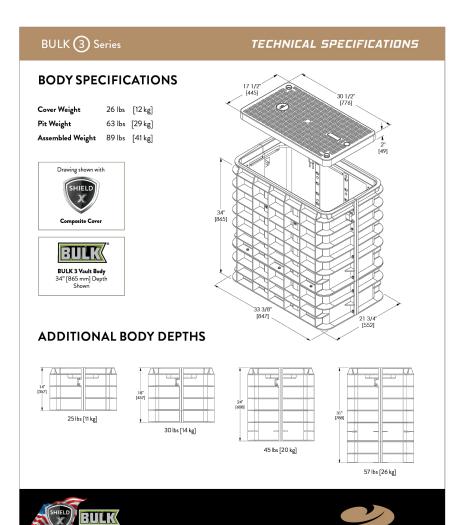
DETAILS

GRID NUMBER

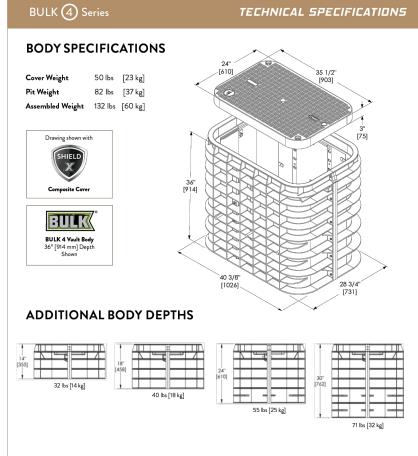
SHEET NUMBER

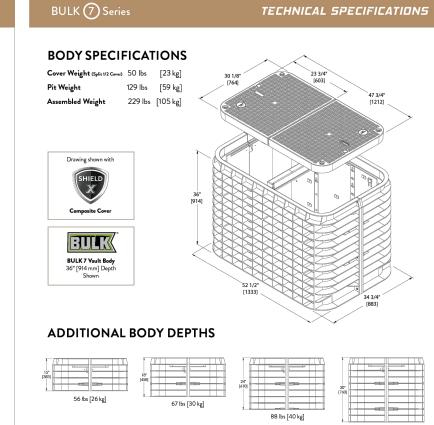
D.

PROJECT# 2023.0119.0002



CHANNELL





MADE IN USA

CHANNELL





1100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 COA# 3620-11

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TASK NAME

CHANNELL

WILC015-U-S1

PLACEMENT

GRID NUMBER

SHEET NUMBER

D-2

TASK DESCRIPTION FIBER OPTIC CONDUIT LACROSSE, WI SHEET SCALE N.T.S. SHEET TITLE **DETAILS**

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



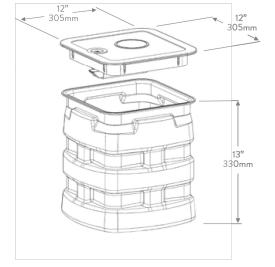


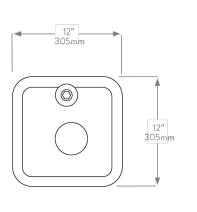


SELFLOCK closes and seals with audible "Click" Captive bolt device opens with only 1/4 turn

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



I 100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 COA# 3620-11

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С	05/30/24	REVISED	JF

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TASK NAME

WILC015-U-S1

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT ARE

LACROSSE, WI

SHEET SCALE

N.T.S.

SHEET TITLE

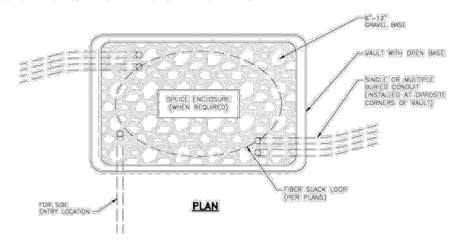
DETAILS

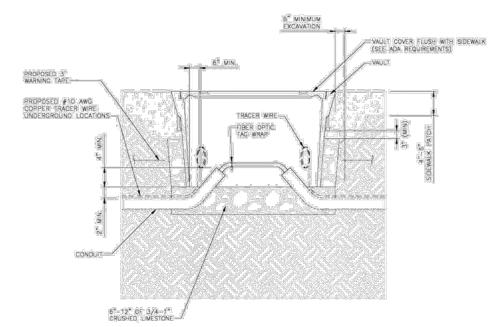
GRID NUMBER

SHEET NUMBER

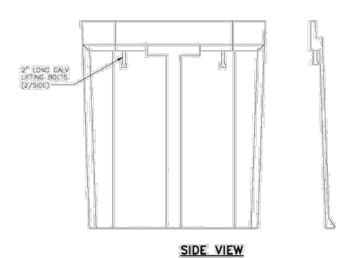
)-3

- 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 VIEW SHOWN BELOW ONLY INDICATES THE BACK FILL REQUIREMENTS INCCESSARY FOR VAULTS PLACED IN SIDEWALKS, ETC. (WHERE THEY NEED TO COMPLY WITH ADA REQUIREMENTS), TO ENSURE COMPLIANCE WITH CURRENT ADA REQUIREMENTS, THE HEIGHT OF THE BACK FILL IS SHOWN HELD DOWN TO ALLOW CONCRETE TO FLOW DOWN AND AROUND THE LIFTING LUCS/BOLTS. WHICH WILL SERVE AS DOWELS INTO THE FINISHED CONCRETE SLAB.



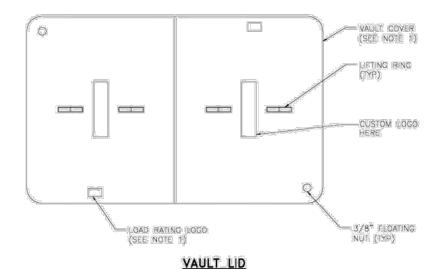


VAULT W/ BOTTOM ENTRY



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 IZ IS ACCEPTABLE IF IT IS RAMPED WITH A SLOPE OF 8.33% (JV.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 % 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:

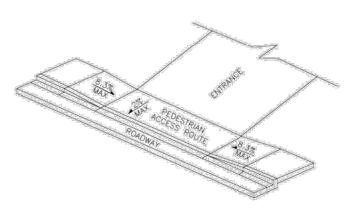
THE WALKWAY IS AT MINIMUM 3 WIDE

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



1100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 COA# 3620-11

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Α	03/19/24	ISSUED FOR REVIEW	CS
В	05/10/24	REVISED	CS
С	05/30/24	REVISED	JF

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TASK NAME

WILC015-U-S1

TASK DESCRIPTION

FIBER OPTIC CONDUIT **PLACEMENT**

PROJECT AREA

LACROSSE, WI

SHEET SCALE

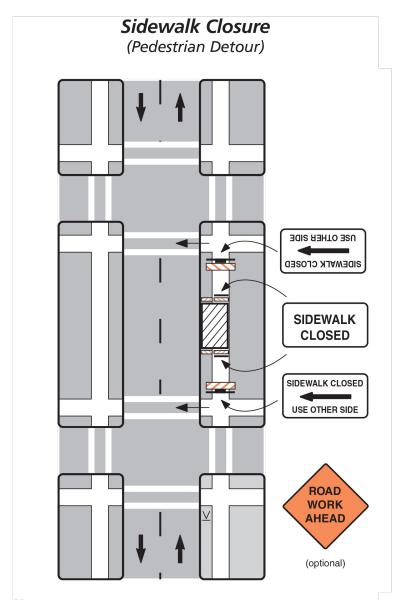
N.T.S.

DETAILS

SHEET TITLE

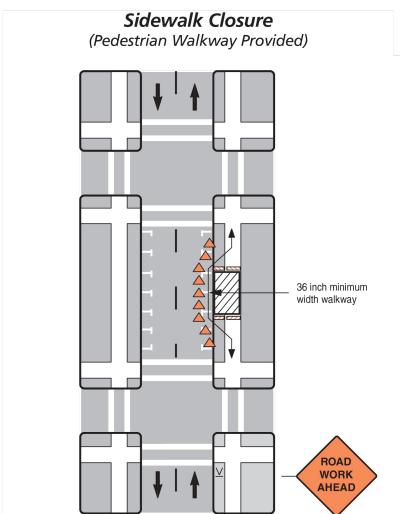
GRID NUMBER

SHEET NUMBER



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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3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715



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TASK NAME

WILC015-U-S1

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT ARE

LACROSSE, WI

SHEET SCALE

SHEET TITLE

N.T.S.

TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

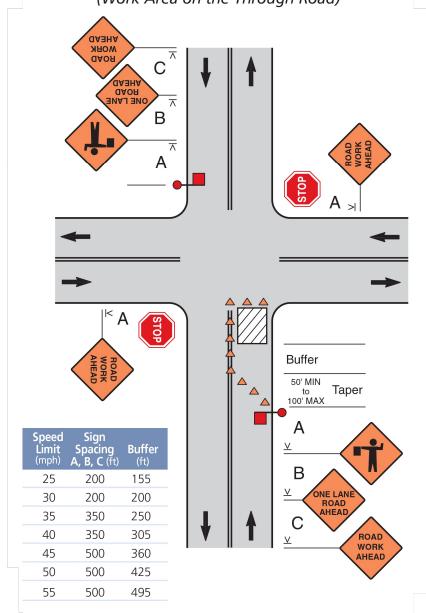
SHEET NUMBER

TCP-1

PROJECT# 2023.0119.0002

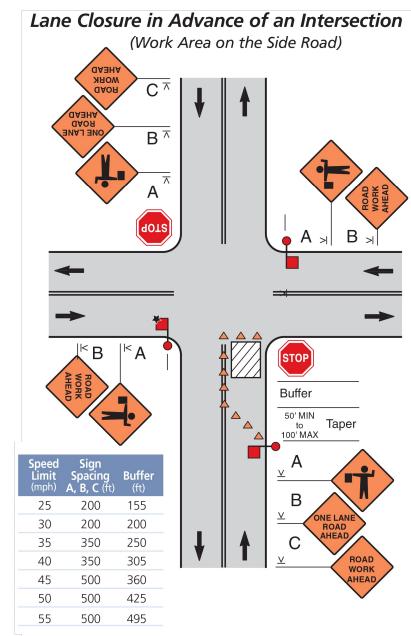


Lane Closure in Advance of an Intersection (Work Area on the Through Road)



Notes

- 1. Depending on traffic conditions, consider additional traffic control on the side road approaches, such as flaggers and appropriate signs.
- 2. The flaggers shall use approved flagging procedures according to the MUTCD and as shown on page 57.



Notes

- 1. Depending on traffic conditions, consider additional traffic control, such as flaggers and appropriate signs.
- ₹2. The middle flagger has the best view of traffic from all directions and would normally be *lead flagger* and coordinate the other flaggers.
- 3. The flaggers shall use approved flagging procedures according to the MUTCD and as shown on page 57.
- 4. A temporary STOP sign on the main street can also be used.

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3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715



I 100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 COA# 3620-11

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TASK NAME

WILC015-U-S1

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT ARE

LACROSSE, WI

SHEET SCALE

N.T.S.

SHEET TITLE

TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER

TCP-2

38

19

Notes

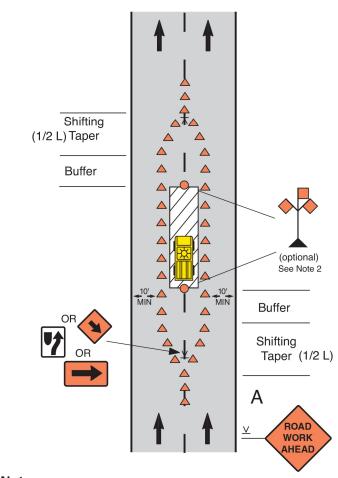
 Additional advance warning signs can be used such as ROAD NARROWS or Reverse Curve/Turn signs. The Reverse Curve/Turn sign is appropriate for larger deviations in the travel path.

Speed Limit (mph)	Sign Spacing A, B (ft)	Shit Tape 5'	fting er (ft) 10'	Buffer (ft)
25	200	30	55	155
30	200	40	75	200
35	350	55	105	250

- 2. Channelizing devices and high level warning devices may be eliminated on roads with low volumes if a work vehicle with activated high intensity lights is used.
- 3. The Large Arrow sign can be used instead of the Keep Right or Down Arrow sign where space permits.

Work in Center of Road on Divided or One-Way Roadway

(35 mph or Less)



Notes

- 1. Additional advance warning signs can be used such as ROAD NARROWS or Reverse Curve/Turn signs. The Reverse Curve/Turn sign is appropriate for larger deviations in the travel path.
- deviations in the travel path. 35 350 55 105 250

 2. Channelizing devices and high level warning devices may be eliminated on roads with low volumes if a work vehicle with activated high intensity lights is used.

25

30

200

3. The Large Arrow sign can be used instead of the Keep Right or Down Arrow sign where space permits.

20

30 55

40 75

155

200

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3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715



1100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 COA# 3620-11

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TASK NAME

WILC015-U-S1

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT ARE

LACROSSE, WI

SHEET SCALE

N.T.S.

SHEET TITLE

TRAFFIC CONTROL

STANDARD DETAILS

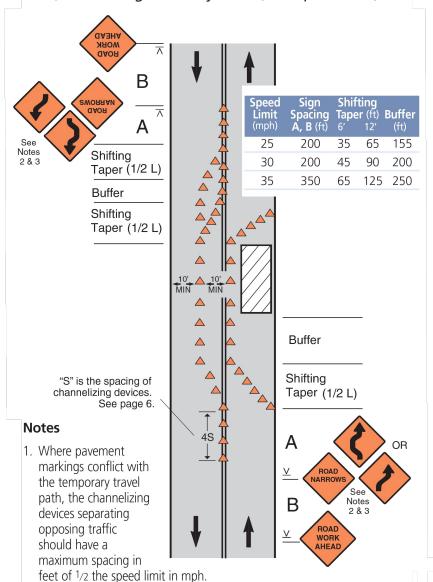
GRID NUMBER

SHEET NUMBER

TCP-3

Work in Travel Lane

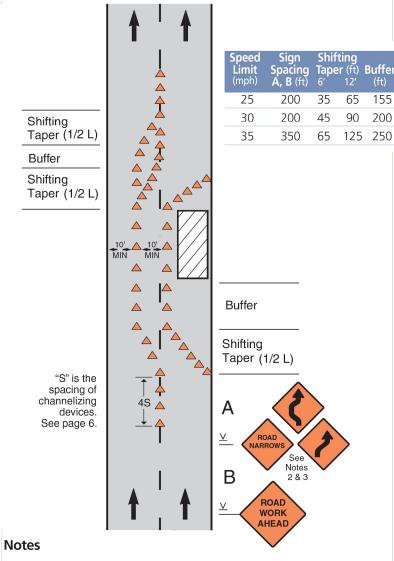
(Maintaining Two-Way Traffic, 35 mph or Less)



- 2. The ROAD NARROWS or Reverse Curve/Turn sign is optional on roads with low volume or where the lane shift requires only a minor deviation in the travel path. The Reverse Curve/Turn sign is appropriate for larger deviations in the travel path.
- 3. If the tangent is more than 600', the Reverse Curve/Turn sign should be used instead of the Double Reverse Curve sign.
- 4. If speeds are 30 mph or less, Reverse Turn signs shall be used instead of Reverse Curve.

Work in Travel Lane on Divided or One-Way Roadway

(35 mph or Less)



- 1. Where pavement markings conflict with the temporary travel path, the channelizing devices separating opposing traffic should have a maximum spacing in feet of 1/2 the speed limit in mph.
- 2. If the tangent is more than 600 feet, the Reverse Curve/Turn sign should be used instead of the Double Reverse Curve sign.
- 3. If speeds are 30 mph or less, Reverse Turn signs shall be used instead of Reverse Curve.

lmetronet

3701 COMMUNICATIONS WAY EVANSVILLE IN 47715



1100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 COA# 3620-11

EV	DATE	DESCRIPTION	BY
Α	03/19/24	ISSUED FOR REVIEW	CS
В	05/10/24	REVISED	CS
С	05/30/24	REVISED	JF

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

WILC015-U-S1

TASK DESCRIPTION

FIBER OPTIC CONDUIT **PLACEMENT**

LACROSSE, WI

SHEET SCALE

SHEET TITLE

N.T.S.

TRAFFIC CONTROL STANDARD DETAILS

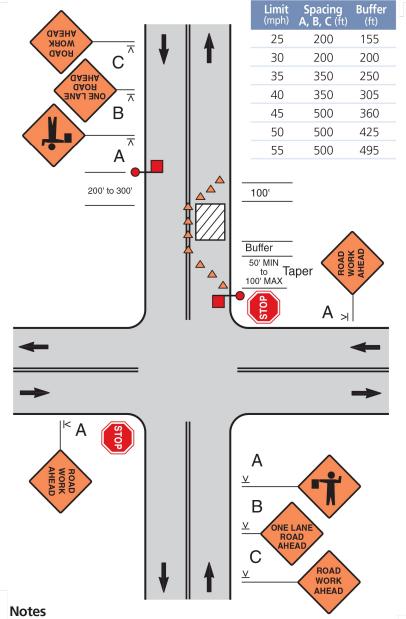
GRID NUMBER

SHEET NUMBER

TCP-4

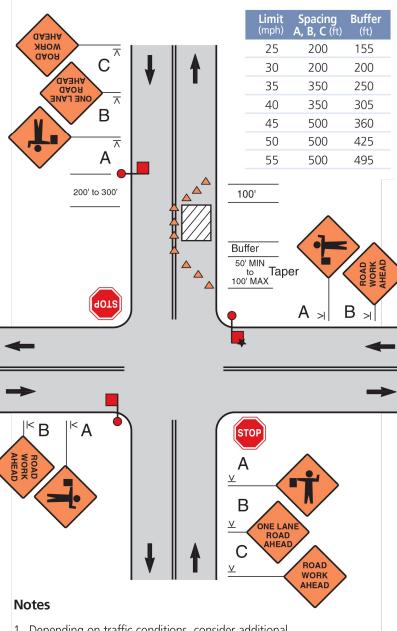


Lane Closure Beyond an Intersection (Work Area on the Through Road)



- IVOLES
- 1. Depending on traffic conditions, consider additional traffic control, such as flaggers and appropriate signs.
- 2. The flaggers shall use approved flagging procedures according to the MUTCD and as shown on page 57.

Lane Closure Beyond an Intersection (Work Area on the Side Road)



- 1. Depending on traffic conditions, consider additional traffic control, such as flaggers and appropriate signs.
- ₹ 2. The middle flagger would normally be *lead flagger* and would coordinate the other flaggers.
- 3. The flaggers shall use approved flagging procedures according to the MUTCD and as shown on page 57.

metronet

3701 COMMUNICATIONS WAY EVANSVILLE, IN, 47715



1100 E. WOODFIELD ROAD, SUITE 500 SCHAUMBURG, ILLINOIS 60173 TEL: 847-908-8400 COA# 3620-11

REV	DATE	DESCRIPTION	
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TASK NAME

WILC015-U-S1

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT ARE

LACROSSE, WI

SHEET SCALE

N.T.S.

SHEET TITLE

TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER

TCP-5