



TASK NAME: WILC032

TASK DESCRIPTION: FIBER OPTIC CONDUIT PLACEMENT

SITE LOCATION: LACROSSE, WI



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

PROJECT INFORMATION

TASK NAME: WILC032

TASK DESCRIPTION: FIBER OPTIC CONDUIT PLACEMENT

SITE LOCATION: LACROSSE, WI

SITE TYPE: UNDERGROUND FIBER-OPTIC CONSTRUCTION

JURISDICTION: LACROSSE, WI

APN: -

ZONING CLASSIFICATION: -

OCCUPANCY TYPE: -

CONSTRUCTION TYPE: -

APPLICANT: METRO FIBERNET, LLC

ADDRESS: 3701 COMMUNICATIONS WAY
EVANSVILLE, IN, 47715

CONTACT: TARAN WELCHLIN

PHONE: (608) 606-2043

EMAIL: TARAN.WELCHLIN@METRONET.COM

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

CONTACT: MICHELLE KAMINSKI

PHONE: (616) 262-8400

EMAIL: MKAMINSKI@FULLERTON-US.COM

ENGINEER: FULLERTON ENGINEERING CONSULTANTS, LLC

ADDRESS: 1100 E. WOODFIELD ROAD, SUITE 500
SCHAUMBURG, ILLINOIS 60173

EOR: DAN SMITH, P.E.

PHONE: 847-908-8521

EMAIL: DSMITH@FULLERTONENGINEERING.COM

POWER COMPANY:

PHONE:

TELEPHONE COMPANY:

PHONE:

SCOPE OF WORK

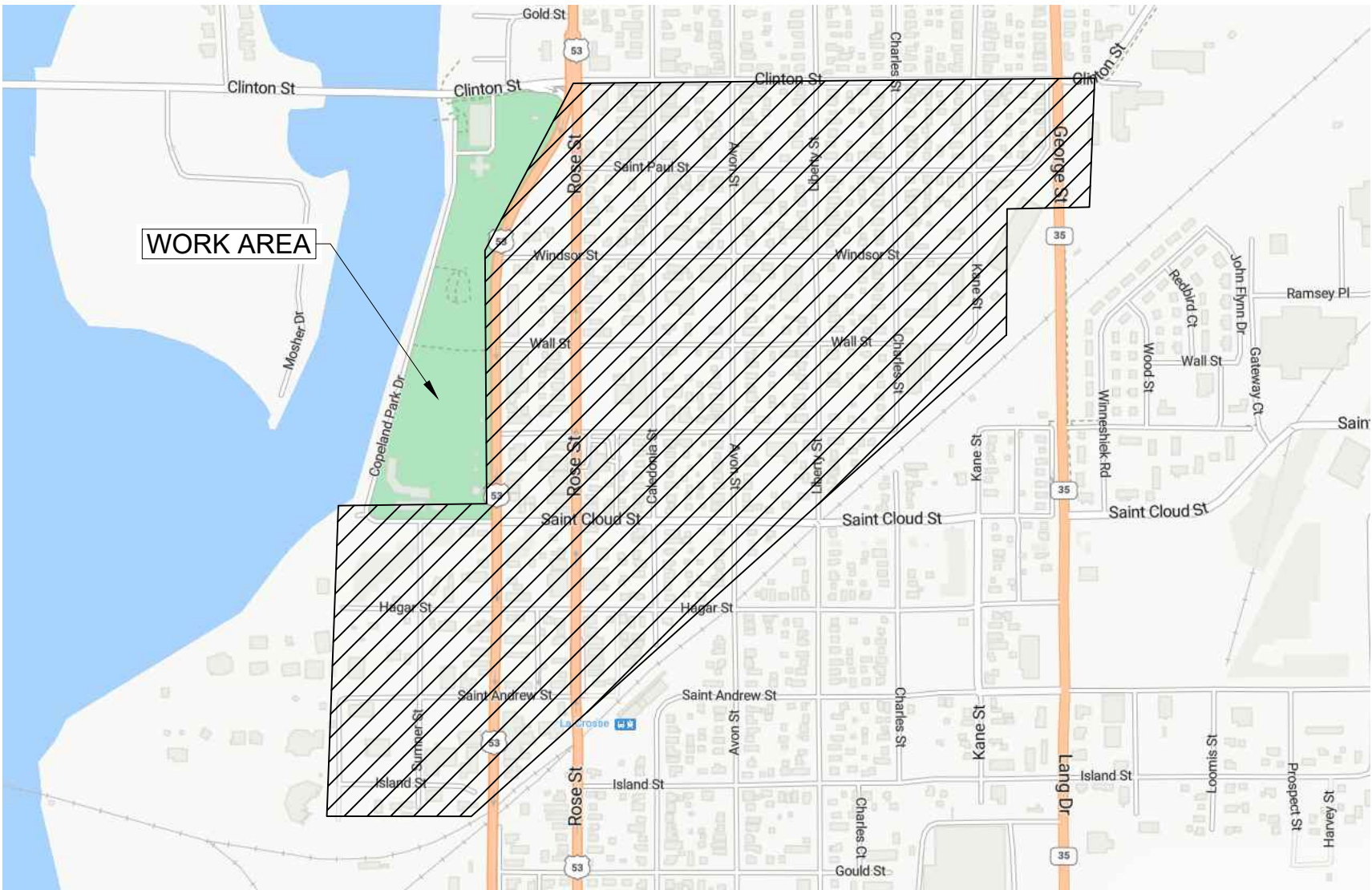
THE SCOPE OF WORK CONSISTS OF:

INSTALLATION OF:

- 31,364' OF DIRECTIONAL BORE PATH
- 48,848' OF 1.25" CONDUIT
- (7) M-HANDHOLE 24X36X18
- (21) B-HANDHOLE 17X30X18 (UTILITY BOX)
- (53) TB-HANDHOLE 15X24X18 (TERMINAL BOX)
- (245) DB-HANDHOLE 12X12X13 (DROP BOX)

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

SITE LOCATION MAP



REV	DATE	DESCRIPTION	BY
A	08/23/24	ISSUED FOR REVIEW	HT
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D	03/17/25	REVISED	GB
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FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

N.T.S.

SHEET TITLE

TITLE SHEET

GRID NUMBER

SHEET NUMBER

T-1



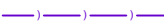
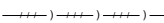
NO SCALE

LEGEND

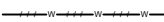
PROPOSED

	PROPOSED OPEN CUT TRENCH		PROPOSED B-UTILITY BOXES(17X30X18)
	PROPOSED DIRECTIONAL BORE		PROPOSED TERMINAL BOXES(13X24X15)
	PROPOSED BORE PIT		PROPOSED DROP BOXES(11X11X12)
	PROPOSED L-HANDHOLE(30X48X24)		
	PROPOSED M-HANDHOLE(24X36X18)		

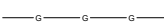
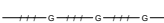
SEWER

	EXISTING SEWER MAIN		EXISTING SEWER MANHOLE
	EXISTING SEWER MAIN (ABANDON)		EXISTING SEWER CATCH BASIN
	EXISTING STORM SEWER MAIN		EXISTING SEWER INLET
	EXISTING STORM MANHOLE		

WATER

	EXISTING WATER MAIN		EXISTING WATER MANHOLE
	EXISTING WATER MAIN (ABANDON)		EXISTING WATER VALVE
	EXISTING WATER SHUT OFF		EXISTING WATER METER
	EXISTING FIRE CISTERN MANHOLE		EXISTING FIRE HYDRANT
	EXISTING WATER CAP		EXISTING WATER REDUCER

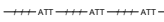
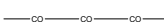
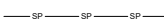
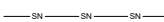
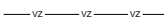
GAS

	EXISTING GAS MAIN		EXISTING GAS MANHOLE
	EXISTING GAS MAIN (DEAD)		EXISTING GAS VALVE
	EXISTING GAS CAP		EXISTING GAS METER
	EXISTING GAS REDUCER		

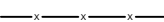
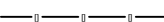
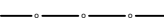
DEO/ELECTRIC

	EXISTING DEO/ELECTRIC		EXISTING STREET LIGHT POLE
	EXISTING STREET LIGHT CONTROL BOX		EXISTING TRAFFIC LIGHT POLE
	EXISTING TRAFFIC LIGHT CONTROL BOX		EXISTING DEO POLE
	EXISTING STREET LIGHT HANDHOLE		EXISTING ELECTRIC MANHOLE
	EXISTING TRAFFIC LIGHT HANDHOLE		EXISTING ELECTRIC HANDHOLE
	EXISTING RED LIGHT CAMERA POLE		EXISTING RED LIGHT FLASH POLE

COMMUNICATIONS

	EXISTING AT&T		EXISTING AT&T MANHOLE
	EXISTING AT&T (ABANDON)		
	EXISTING COMMUNICATIONS		EXISTING COMMUNICATIONS MANHOLE
	EXISTING MCI		EXISTING MCI
	EXISTING SPRINT		EXISTING SPRINT/NEXTEL MANHOLE
	EXISTING SUNESYS		EXISTING SUNESYS MANHOLE
	EXISTING VERIZON		EXISTING VERIZON MANHOLE
	EXISTING CITY FIBER		

MISCELLANEOUS

	EXISTING FENCE		EXISTING MISCELLANEOUS MANHOLE
	EXISTING CONSTRUCTION FENCE		EXISTING GARBAGE CAN
	EXISTING GUARDRAIL		EXISTING PARK DISTRICT MANHOLE
	EXISTING PROPERTY LINE/ R.O.W.		EXISTING MONITORING WELL
	EXISTING BIKE RACK		EXISTING FIRE ALARM
	EXISTING TREE		EXISTING STREET PARKING PAY BOX
	EXISTING BUSH		EXISTING PEDESTAL
	EXISTING STREET SIGN POST		EXISTING MAILBOX
	EXISTING POST/BOLLARD		EXISTING NEWSPAPER BOX
	EXISTING GROUND LIGHT		EXISTING PHONE
	EXISTING UTILITY POLE		EXISTING SPRINKLER CONTROL BOX
	EXISTING STANDPIPE		EXISTING SPRINKLER VALVE
	EXISTING ADA RAMP		EXISTING SUPPORT COLUMN

metronet

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GRID NUMBER

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T-3

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.
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.
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.



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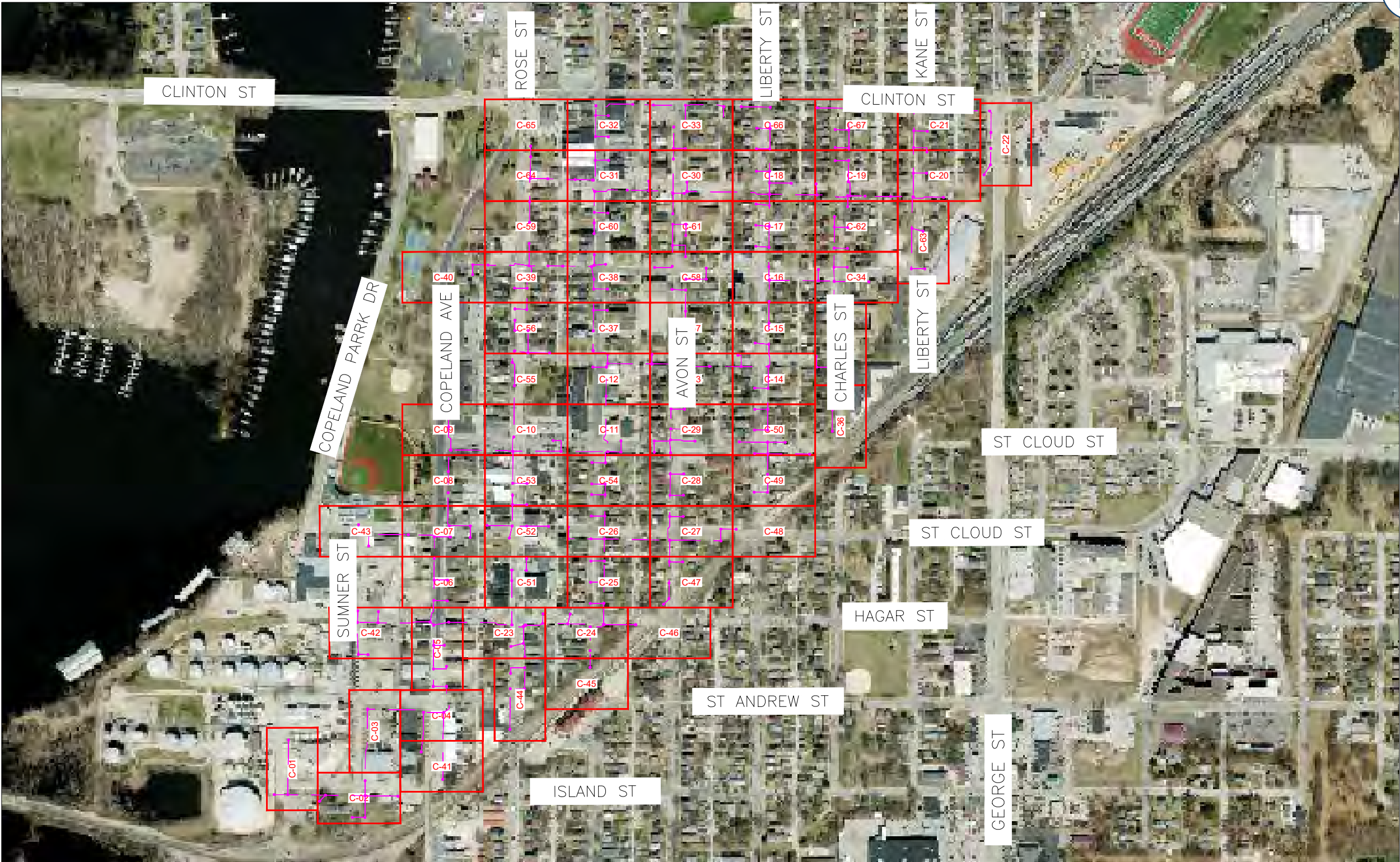
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GENERAL NOTES

GRID NUMBER

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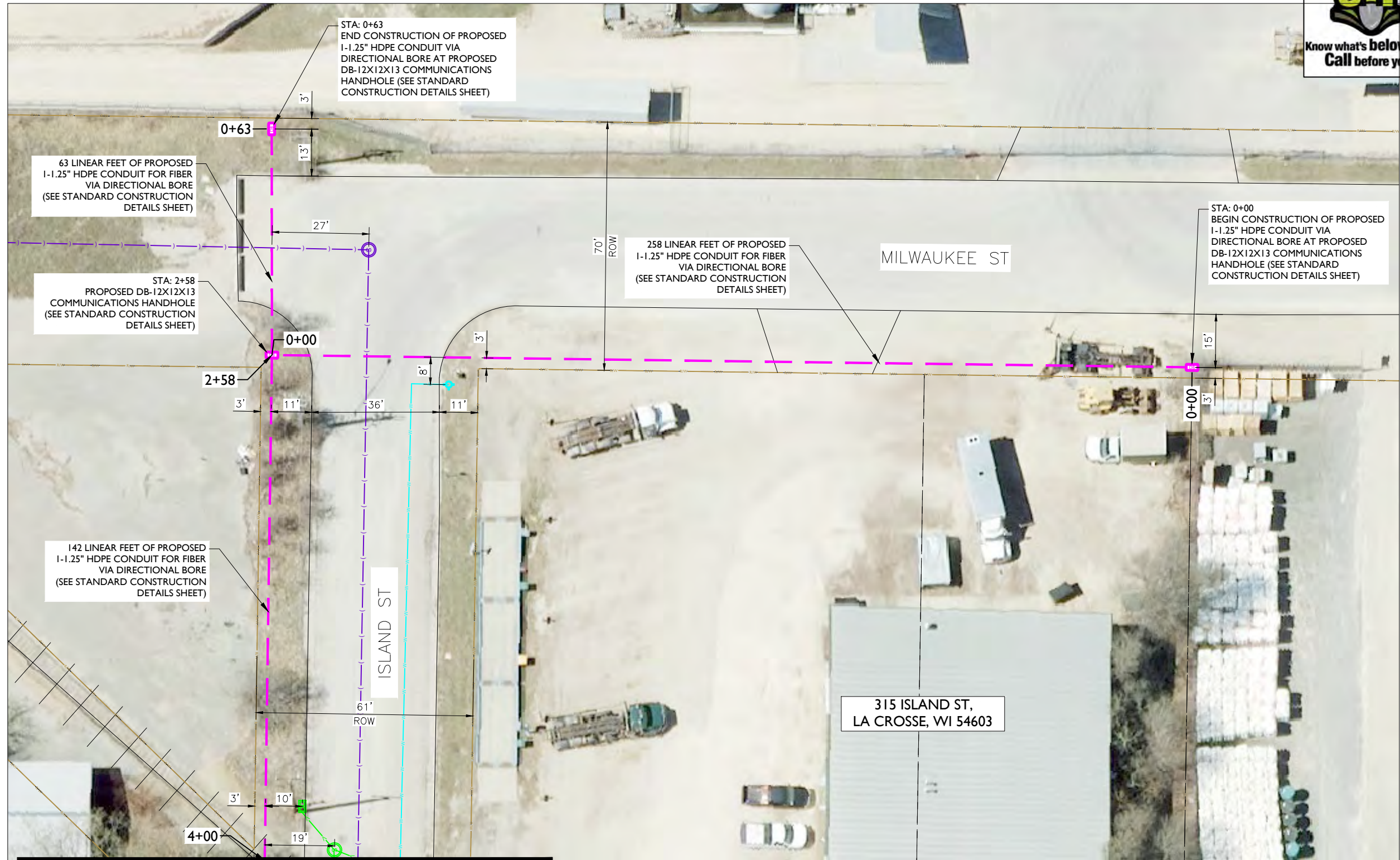
SHEET NUMBER

MAP-1

PLANSET

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

PROJECT# 2023.0119.0000



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PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-01



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:
PLACEMENT OF UNDERGROUND CONDUIT AND OTHER PROPOSED STRUCTURES SHALL NOT IMPEDE MAINTENANCE AND/OR REPLACEMENT OF POLES OR OTHER RAILROAD EQUIPMENT.

NOTE:
PRIOR TO CONSTRUCTION ALL STREET LIGHT WIRING MUST BE PROPERLY LOCATED.

NOTE:
RIGHT-OF-WAY LINE SHOWN PER INFORMATION PROVIDED IN GIS FILE OBTAINED FROM LA CROSSE CITY

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

MATCHLINE — SHEET C-03



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COA# 3620-11
www.fullerton-us.com

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F	05/07/25	REVISED	GB

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

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

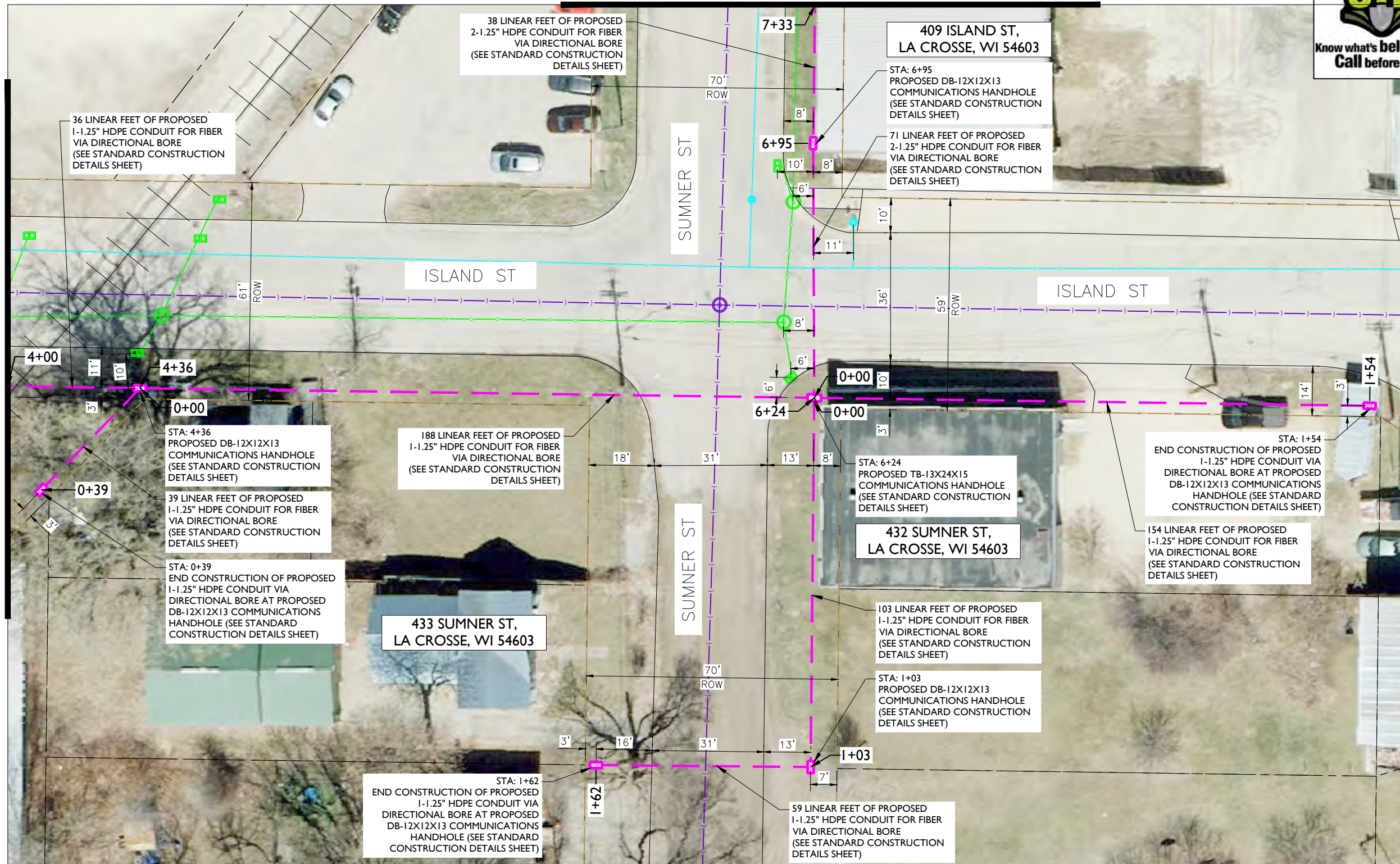
SHEET NUMBER

C-02



PROJECT# 2023.0119.0000

MATCHLINE — SHEET C-01



- 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.

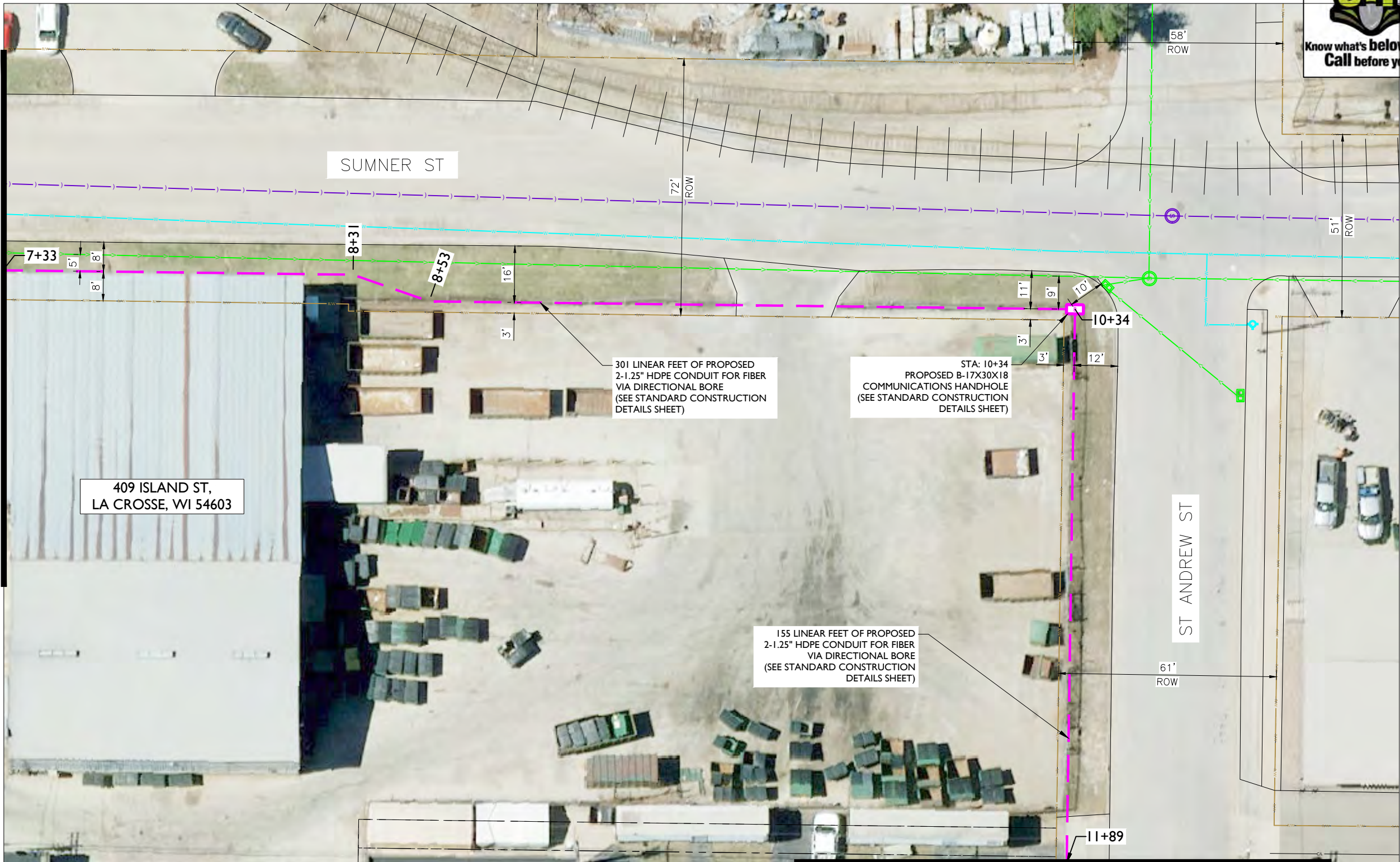
NOTE:
PLACEMENT OF UNDERGROUND CONDUIT
AND OTHER PROPOSED STRUCTURES SHALL
NOT IMPEDE MAINTENANCE AND/OR
REPLACEMENT OF POLES OR OTHER
RAILROAD EQUIPMENT.

NOTE:
PRIOR TO CONSTRUCTION ALL STREET LIGHT
WIRING MUST BE PROPERLY LOCATED.

NOTE:
RIGHT-OF-WAY LINE SHOWN PER INFORMATION PROVIDED IN GIS
FILE OBTAINED FROM LA CROSSE CITY

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

MATCHLINE – SHEET C-02



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EVANSVILLE, IN, 47715



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TASK NAME
WILC032

TASK DESCRIPTION
**FIBER OPTIC CONDUIT
PLACEMENT**

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-03

- 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:
PLACEMENT OF UNDERGROUND CONDUIT AND OTHER PROPOSED STRUCTURES SHALL NOT IMPEDE MAINTENANCE AND/OR REPLACEMENT OF POLES OR OTHER RAILROAD EQUIPMENT.

NOTE:
PRIOR TO CONSTRUCTION ALL STREET LIGHT WIRING MUST BE PROPERLY LOCATED.

MATCHLINE – SHEET C-04

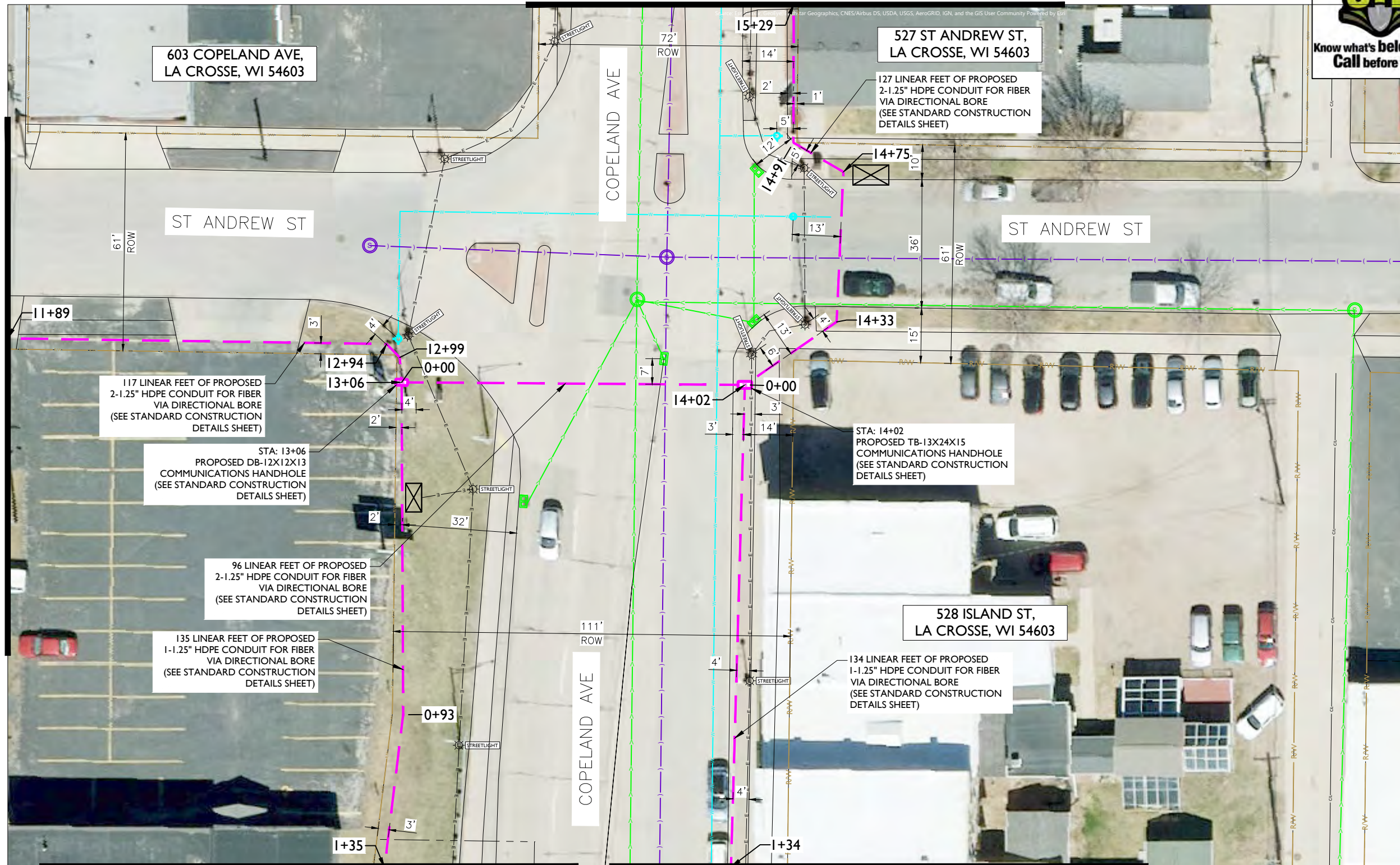
NOTE:
RIGHT-OF-WAY LINE SHOWN PER INFORMATION PROVIDED IN GIS FILE OBTAINED FROM LA CROSSE CITY

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



MATCHLINE — SHEET C-05

MATCHLINE — SHEET C-03



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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

C-04



NOTE:
THE INTENT OF THIS DRAWING IS THAT ALL PROPOSED CONDUIT IS TO BE PLACED WITHIN SAID RIGHT-OF-WAY.

- 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:
PRIOR TO CONSTRUCTION ALL STREET LIGHT WIRING MUST BE PROPERLY LOCATED.

NOTE:
RIGHT-OF-WAY LINE SHOWN PER INFORMATION PROVIDED IN GIS FILE OBTAINED FROM LA CROSSE CITY

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

MATCHLINE — SHEET C-42



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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

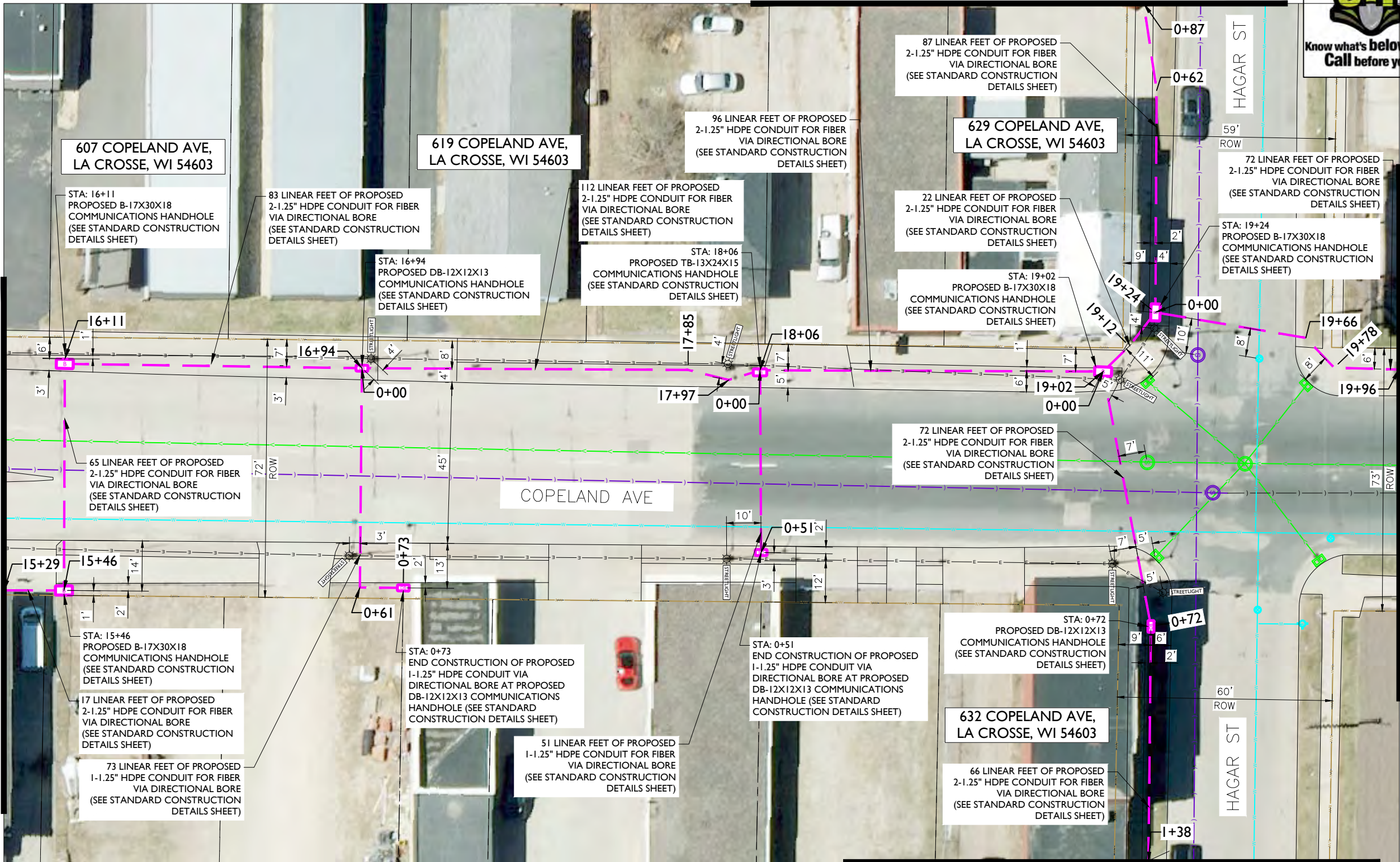
SHEET NUMBER

C-05



PROJECT# 2023.0119.0000

MATCHLINE — SHEET C-04



MATCHLINE — SHEET C-06

MATCHLINE — SHEET C-23

NOTE:
THE INTENT OF THIS DRAWING IS THAT ALL PROPOSED CONDUIT IS TO BE PLACED WITHIN SAID RIGHT-OF-WAY.

- 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:
PRIOR TO CONSTRUCTION ALL STREET LIGHT WIRING MUST BE PROPERLY LOCATED.

NOTE:
RIGHT-OF-WAY LINE SHOWN PER INFORMATION PROVIDED IN GIS FILE OBTAINED FROM LA CROSSE CITY

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

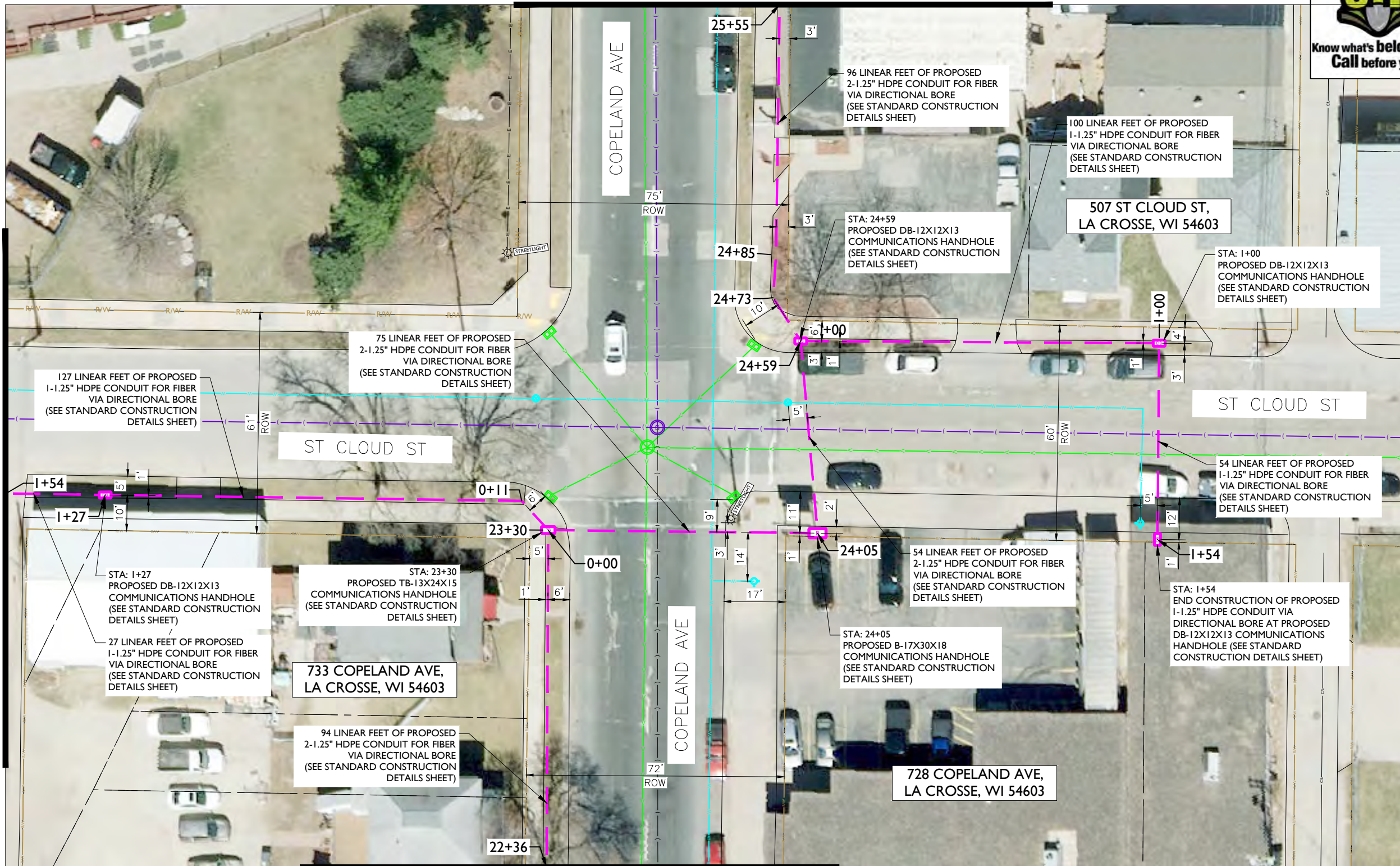
MATCHLINE — SHEET C-08



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MATCHLINE — SHEET C-43



MATCHLINE — SHEET C-06

NOTE:
THE INTENT OF THIS DRAWING IS THAT ALL PROPOSED CONDUIT IS TO BE PLACED WITHIN SAID RIGHT-OF-WAY.

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:
PRIOR TO CONSTRUCTION ALL STREET LIGHT WIRING MUST BE PROPERLY LOCATED.

NOTE:
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NOTE:
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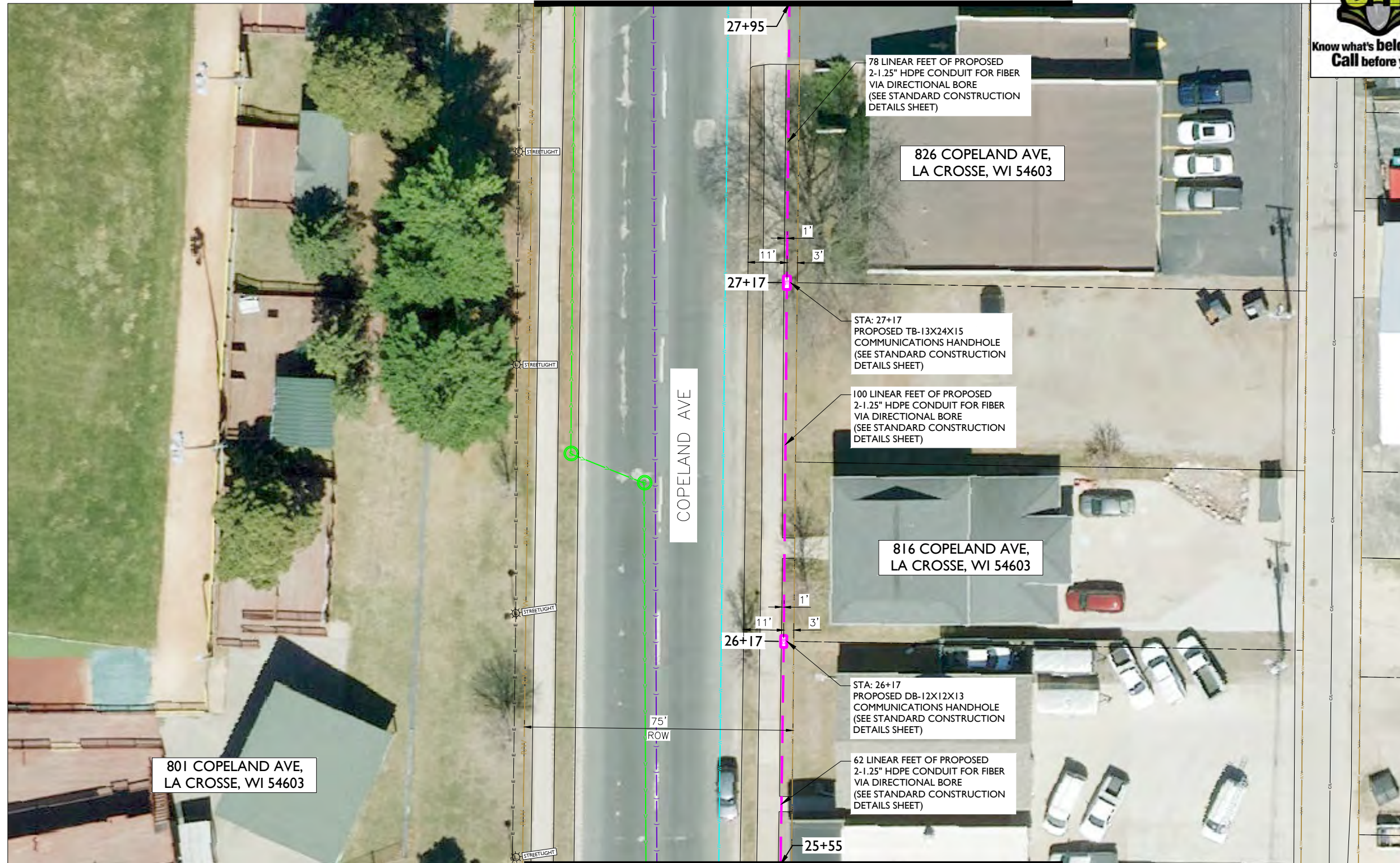


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TASK NAME
WILC032
TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT
PROJECT AREA
LACROSSE, WI
SHEET SCALE
1" = 30'-0"
SHEET TITLE
DESIGN LAYOUT
GRID NUMBER
SHEET NUMBER
C-07

MATCHLINE — SHEET C-09



MATCHLINE — SHEET C-07

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:

PRIOR TO CONSTRUCTION ALL STREET LIGHT WIRING MUST BE PROPERLY LOCATED.

NOTE:

RIGHT-OF-WAY LINE SHOWN PER INFORMATION PROVIDED IN GIS FILE OBTAINED FROM LA CROSSE CITY

NOTE:

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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

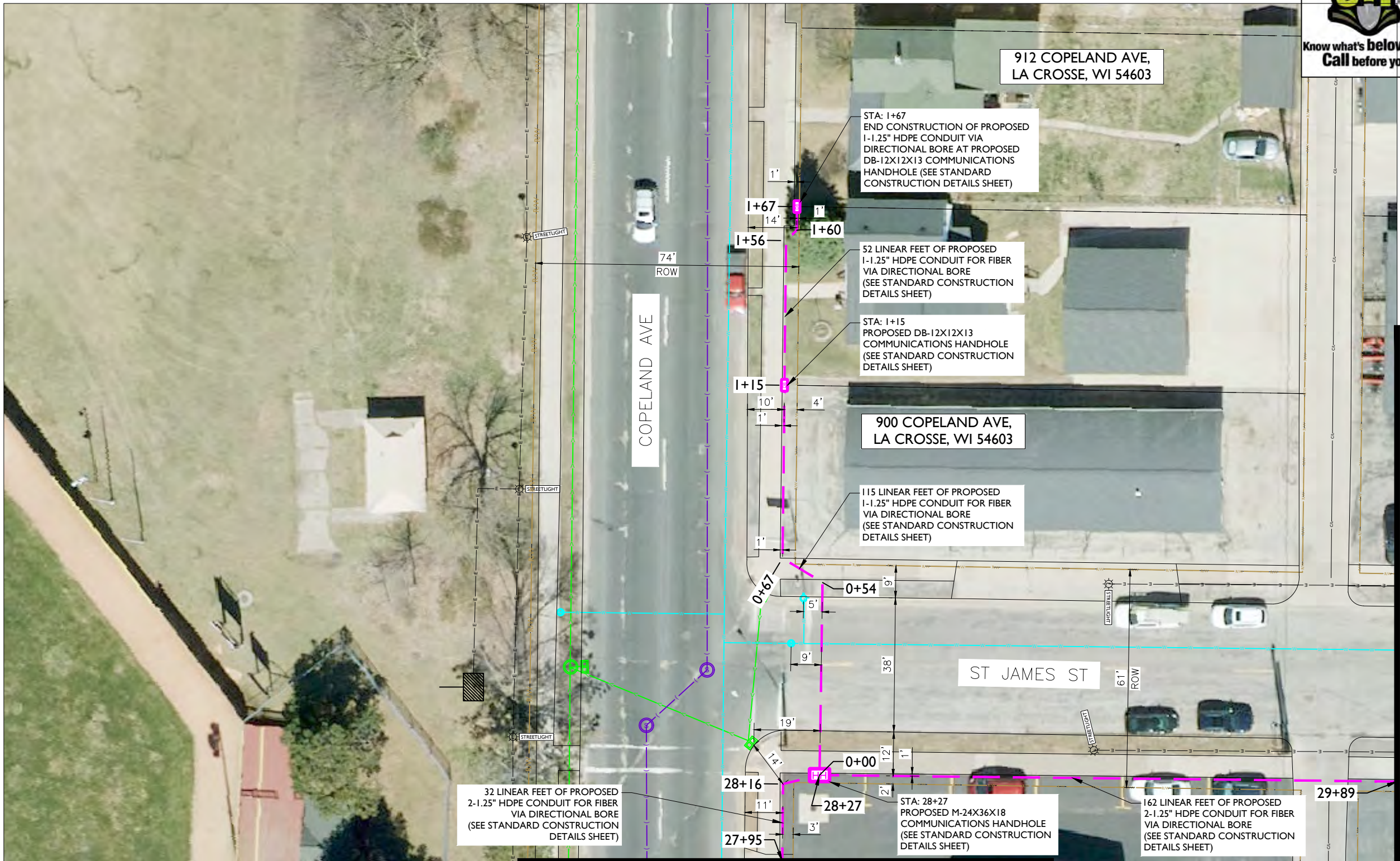
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

C-08





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3701 COMMUNICATIONS WAY
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TASK NAME
WILC032

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-09

NOTE:
THE INTENT OF THIS DRAWING IS THAT ALL PROPOSED CONDUIT IS TO BE PLACED WITHIN SAID RIGHT-OF-WAY.

- 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:
PRIOR TO CONSTRUCTION ALL STREET LIGHT WIRING MUST BE PROPERLY LOCATED.

NOTE:
RIGHT-OF-WAY LINE SHOWN PER INFORMATION PROVIDED IN GIS FILE OBTAINED FROM LA CROSSE CITY

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



MATCHLINE - SHEET C-10

MATCHLINE - SHEET C-08

MATCHLINE — SHEET C-55



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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

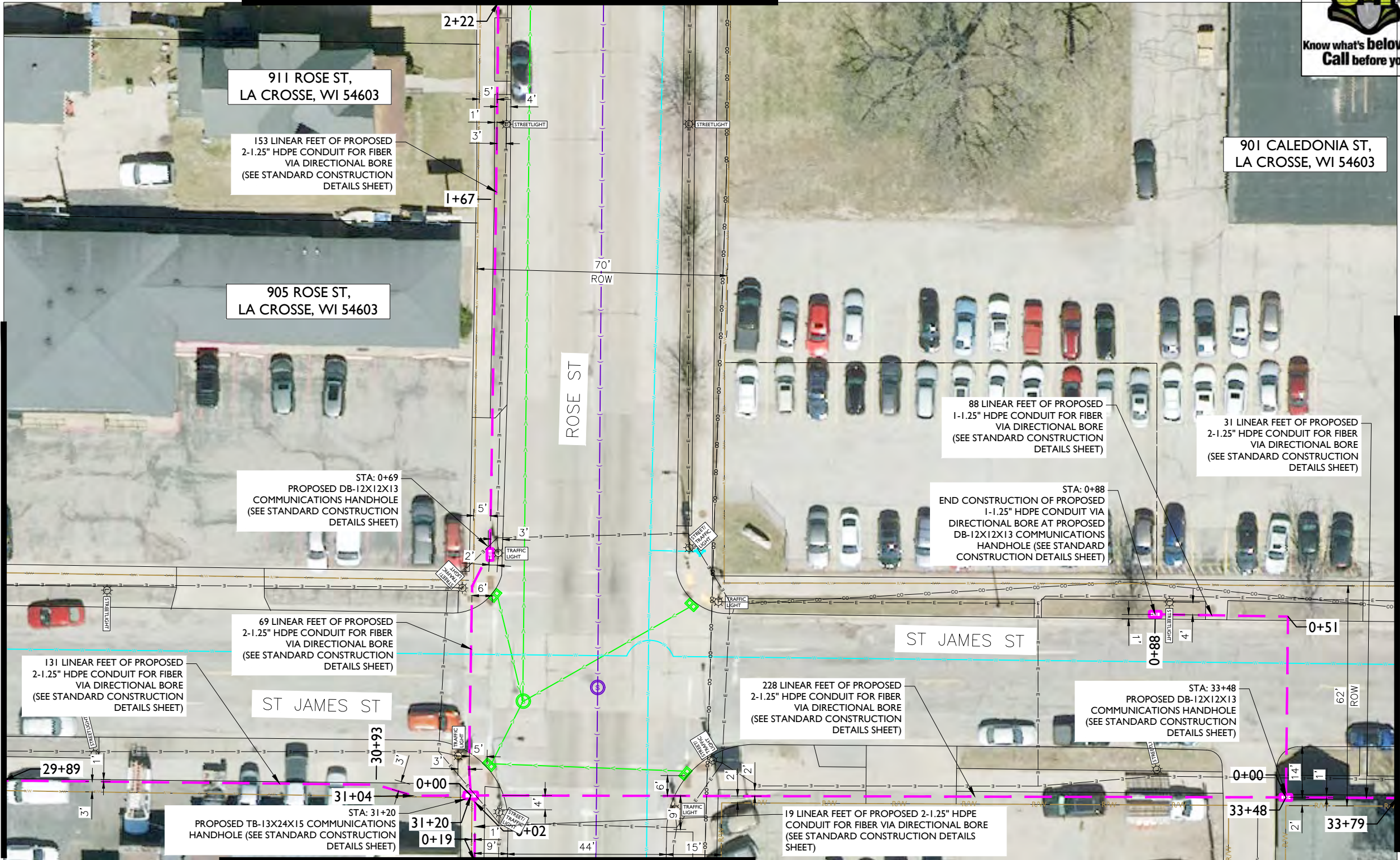
GRID NUMBER

SHEET NUMBER

C-10

PROJECT# 2023.0119.0000

MATCHLINE — SHEET C-09



MATCHLINE — SHEET C-11

MATCHLINE — SHEET C-53

NOTE:
THE INTENT OF THIS DRAWING IS THAT ALL PROPOSED CONDUIT IS TO BE PLACED WITHIN SAID RIGHT-OF-WAY.

- 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:
PRIOR TO CONSTRUCTION ALL TRAFFIC SIGNAL WIRING AT THE INTERSECTION MUST BE PROPERLY LOCATED.

NOTE:
PRIOR TO CONSTRUCTION ALL STREET LIGHT WIRING MUST BE PROPERLY LOCATED.

NOTE:
RIGHT-OF-WAY LINE SHOWN PER INFORMATION PROVIDED IN GIS FILE OBTAINED FROM LA CROSSE CITY

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





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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

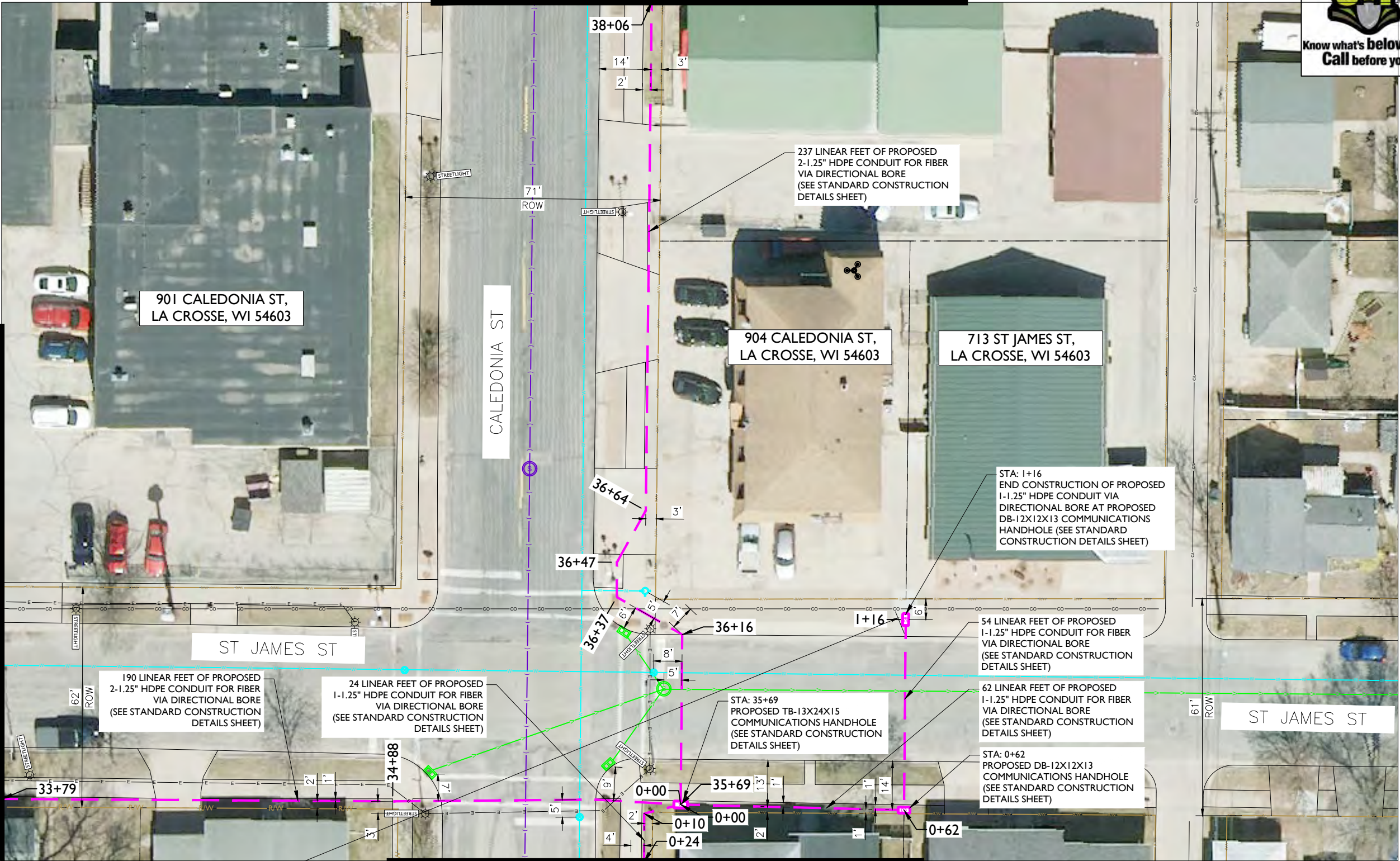
GRID NUMBER

SHEET NUMBER

C-11



MATCHLINE — SHEET C-10



MATCHLINE — SHEET C-54

NOTE:
THE INTENT OF THIS DRAWING IS THAT ALL PROPOSED CONDUIT IS TO BE PLACED WITHIN SAID RIGHT-OF-WAY.

- 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:
PRIOR TO CONSTRUCTION ALL STREET LIGHT WIRING MUST BE PROPERLY LOCATED.

NOTE:
RIGHT-OF-WAY LINE SHOWN PER INFORMATION PROVIDED IN GIS FILE OBTAINED FROM LA CROSSE CITY

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

MATCHLINE - SHEET C-37



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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

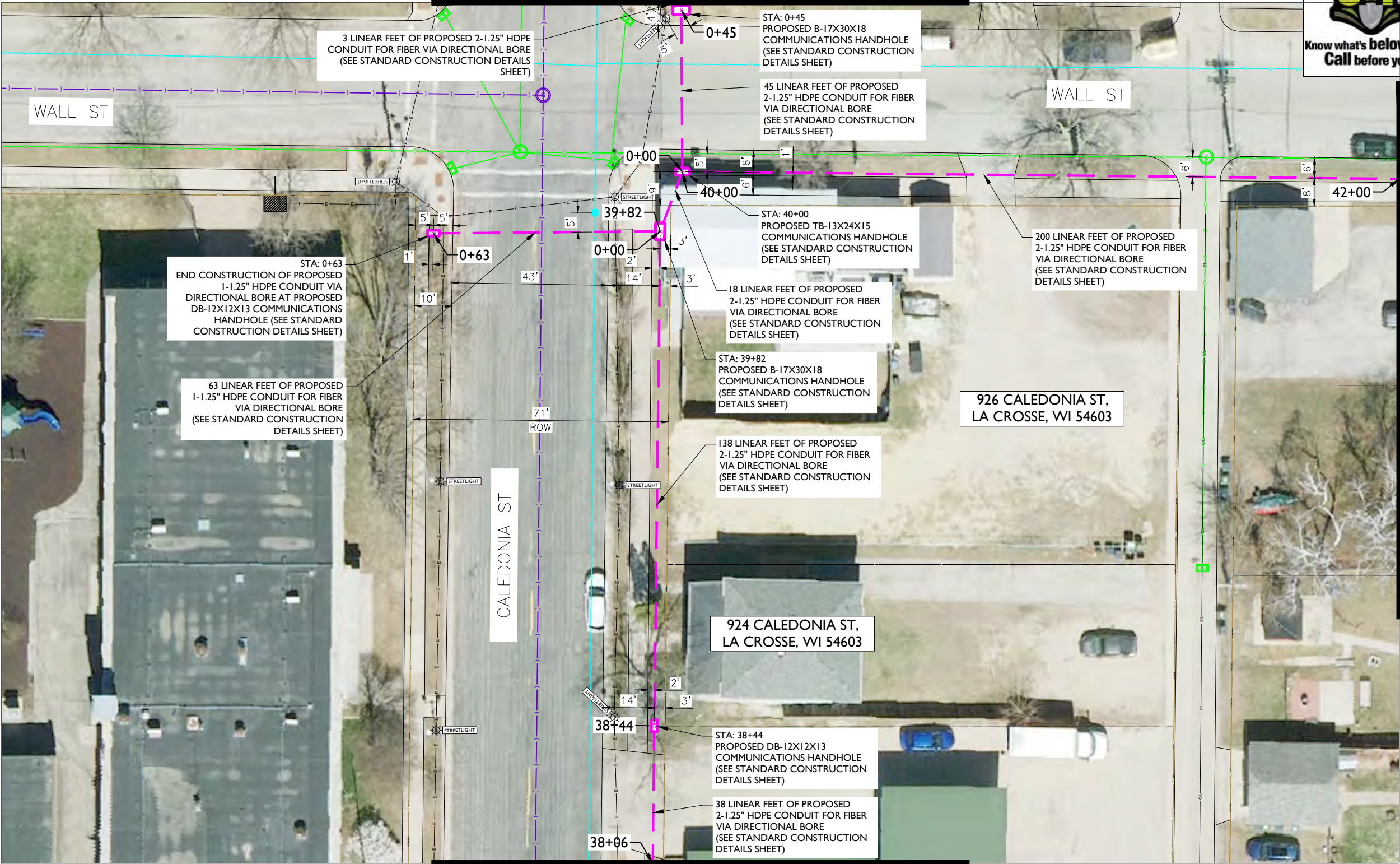
GRID NUMBER

SHEET NUMBER

C-12



MATCHLINE - SHEET C-13



MATCHLINE - SHEET C-11

NOTE:
THE INTENT OF THIS DRAWING IS THAT ALL PROPOSED CONDUIT IS TO BE PLACED WITHIN SAID RIGHT-OF-WAY.

- 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:
PRIOR TO CONSTRUCTION ALL STREET LIGHT WIRING MUST BE PROPERLY LOCATED.

NOTE:
RIGHT-OF-WAY LINE SHOWN PER INFORMATION PROVIDED IN GIS FILE OBTAINED FROM LA CROSSE CITY

NOTE:
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MATCHLINE - SHEET C-57



metronet

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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

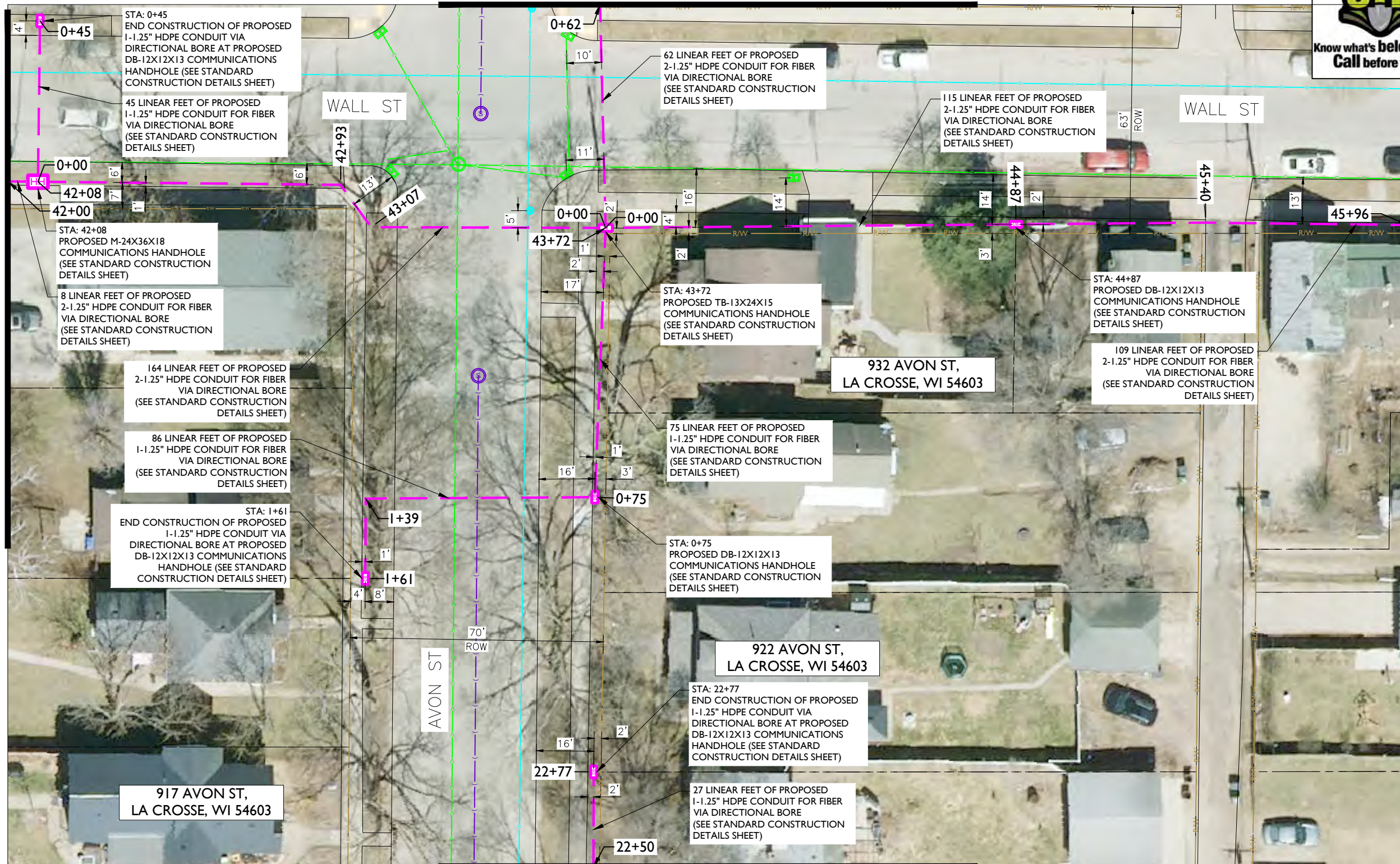
C-13



PROJECT# 2023.0119.0000

MATCHLINE - SHEET C-12

MATCHLINE - SHEET C-14



MATCHLINE - SHEET C-29

NOTE:
THE INTENT OF THIS DRAWING IS THAT ALL PROPOSED CONDUIT IS TO BE PLACED WITHIN SAID RIGHT-OF-WAY.

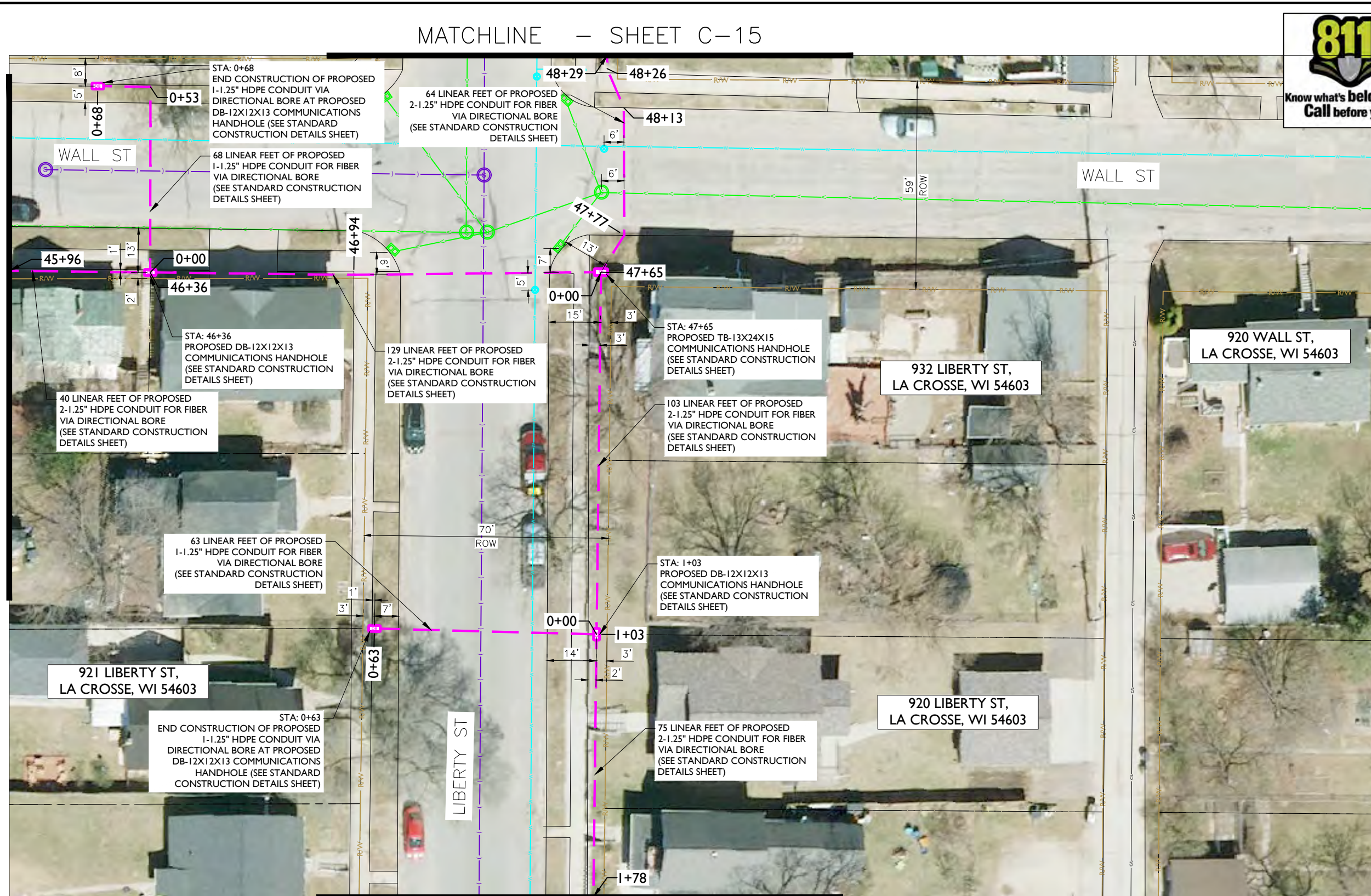
- NOTE:
- PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS
 - BURY AT 24" MIN. UNDER SOFT SURFACE
 - BURY AT 36" MIN. UNDER HARD SURFACE
 - MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.

NOTE:
PRIOR TO CONSTRUCTION ALL STREET LIGHT WIRING MUST BE PROPERLY LOCATED.

NOTE:
RIGHT-OF-WAY LINE SHOWN PER INFORMATION PROVIDED IN GIS FILE OBTAINED FROM LA CROSSE CITY

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

MATCHLINE — SHEET C-13



MATCHLINE — SHEET C-50

NOTE:
THE INTENT OF THIS DRAWING IS THAT ALL PROPOSED CONDUIT IS TO BE PLACED WITHIN SAID RIGHT-OF-WAY.

NOTE:
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• BURY AT 24" MIN. UNDER SOFT SURFACE
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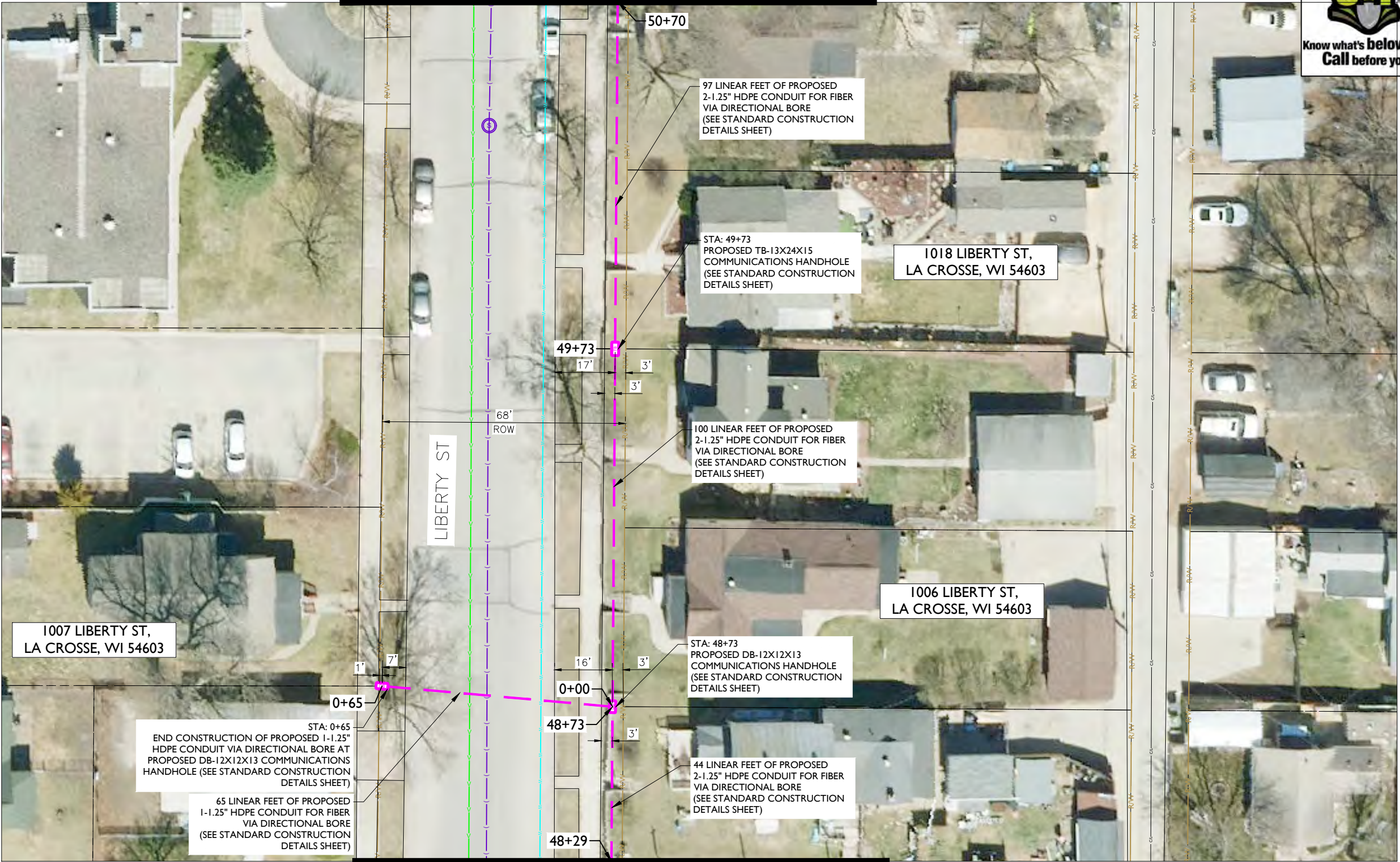


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F	05/07/25	REVISED	GB

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TASK NAME
WILC032
TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT
PROJECT AREA
LACROSSE, WI
SHEET SCALE
1" = 30'-0"
SHEET TITLE
DESIGN LAYOUT
GRID NUMBER
SHEET NUMBER
C-14

MATCHLINE — SHEET C-16



MATCHLINE — SHEET C-14

- NOTE:
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 - MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.

NOTE:
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WIRING MUST BE PROPERLY LOCATED.

NOTE:
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NOTE:
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metronet
3701 COMMUNICATIONS WAY
EVANSVILLE, IN, 47715



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SCHAUMBURG, ILLINOIS 60173
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COA# 3620-11
www.fullerton-us.com

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TASK NAME

WILC032

TASK DESCRIPTION
**FIBER OPTIC CONDUIT
PLACEMENT**

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-15



MATCHLINE — SHEET C-18



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Fullerton
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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

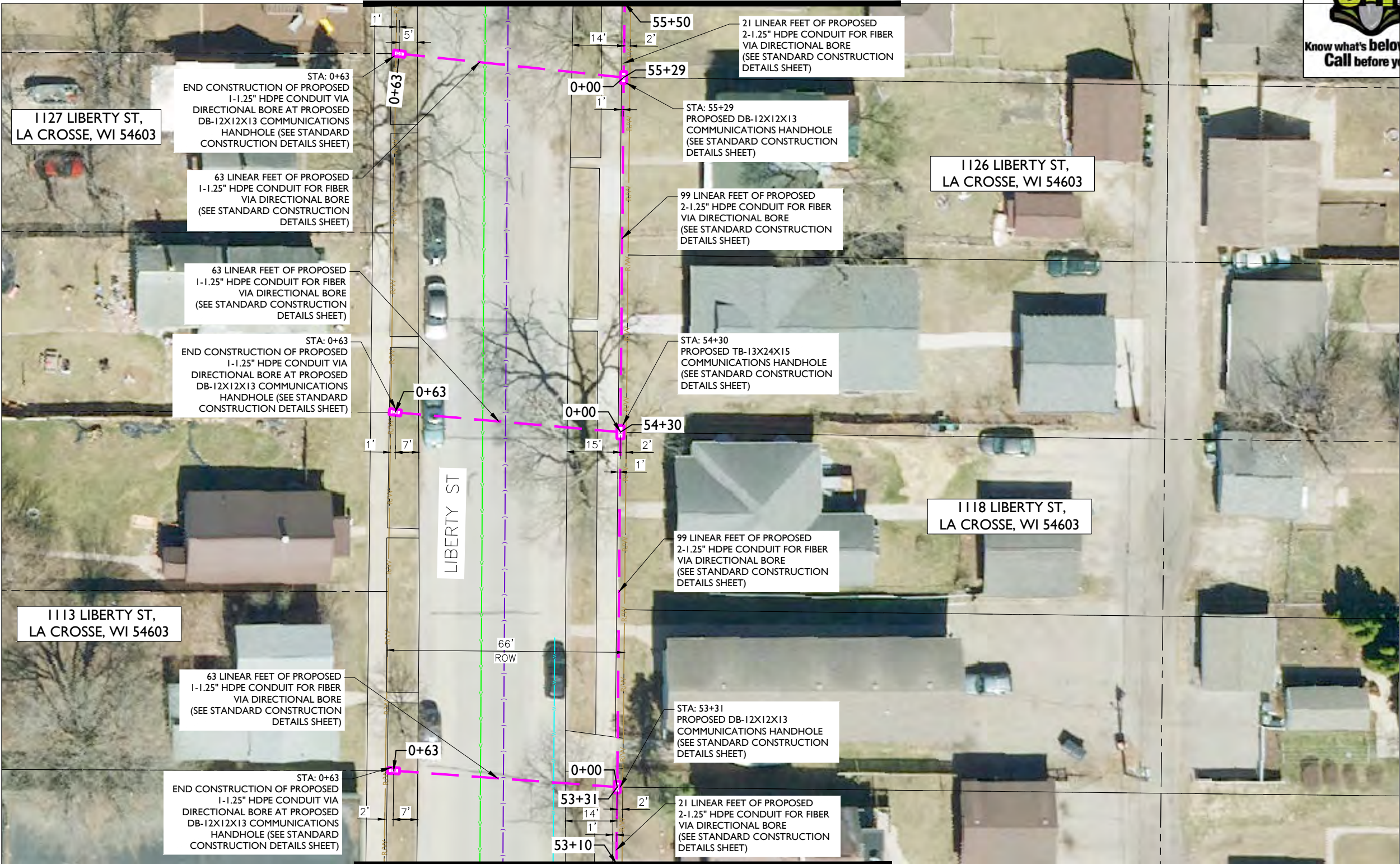
GRID NUMBER

SHEET NUMBER

C-17



PROJECT# 2023.0119.0000



MATCHLINE — SHEET C-16

- 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:
PRIOR TO CONSTRUCTION ALL STREET LIGHT
WIRING MUST BE PROPERLY LOCATED.

NOTE:
RIGHT-OF-WAY LINE SHOWN PER INFORMATION PROVIDED IN GIS
FILE OBTAINED FROM LA CROSSE CITY

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

MATCHLINE — SHEET C-66



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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

C-18

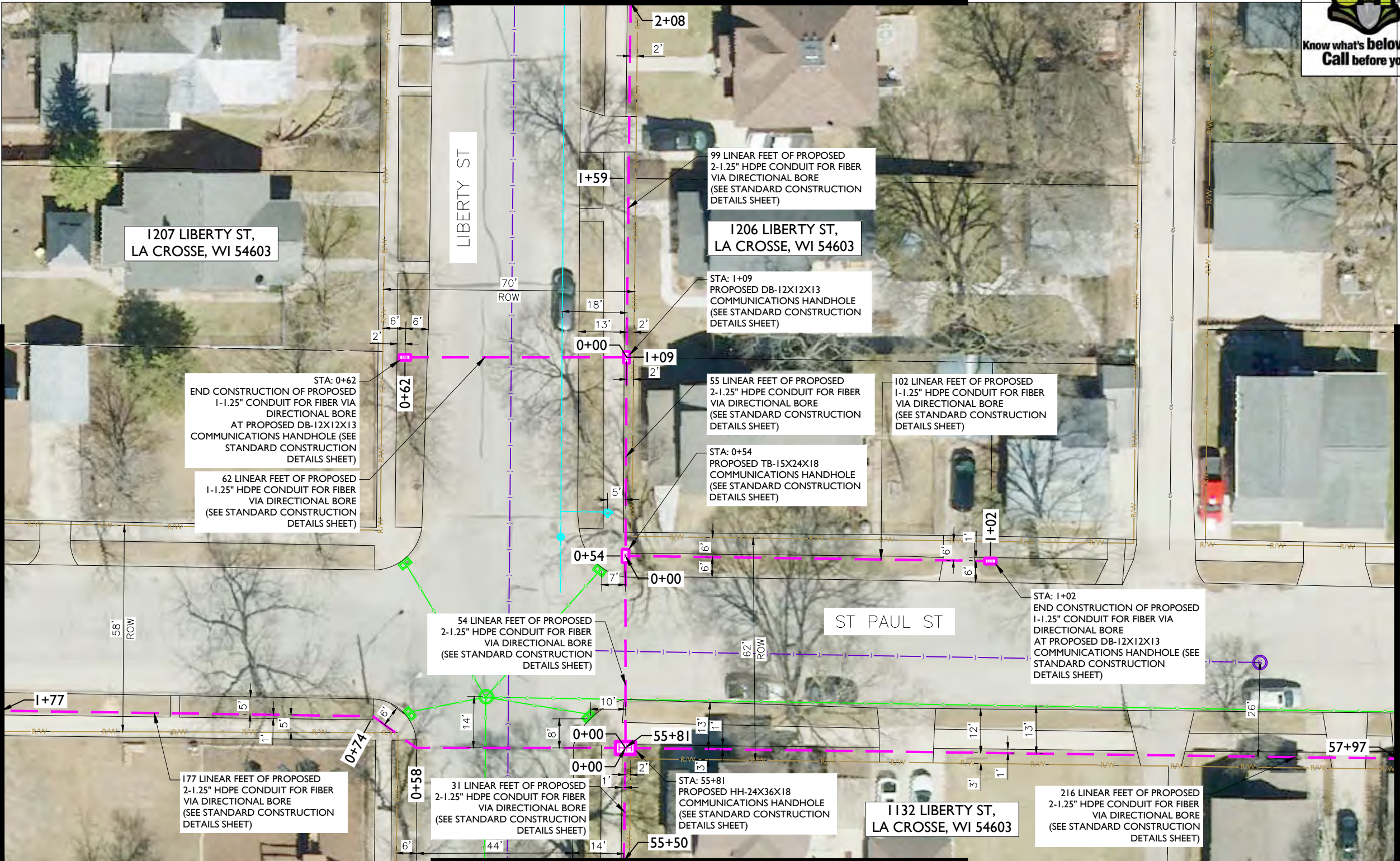


PROJECT# 2023.0119.0000

MATCHLINE — SHEET C-17

MATCHLINE — SHEET C-30

MATCHLINE — SHEET C-19



NOTE:
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MATCHLINE — SHEET C-67



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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

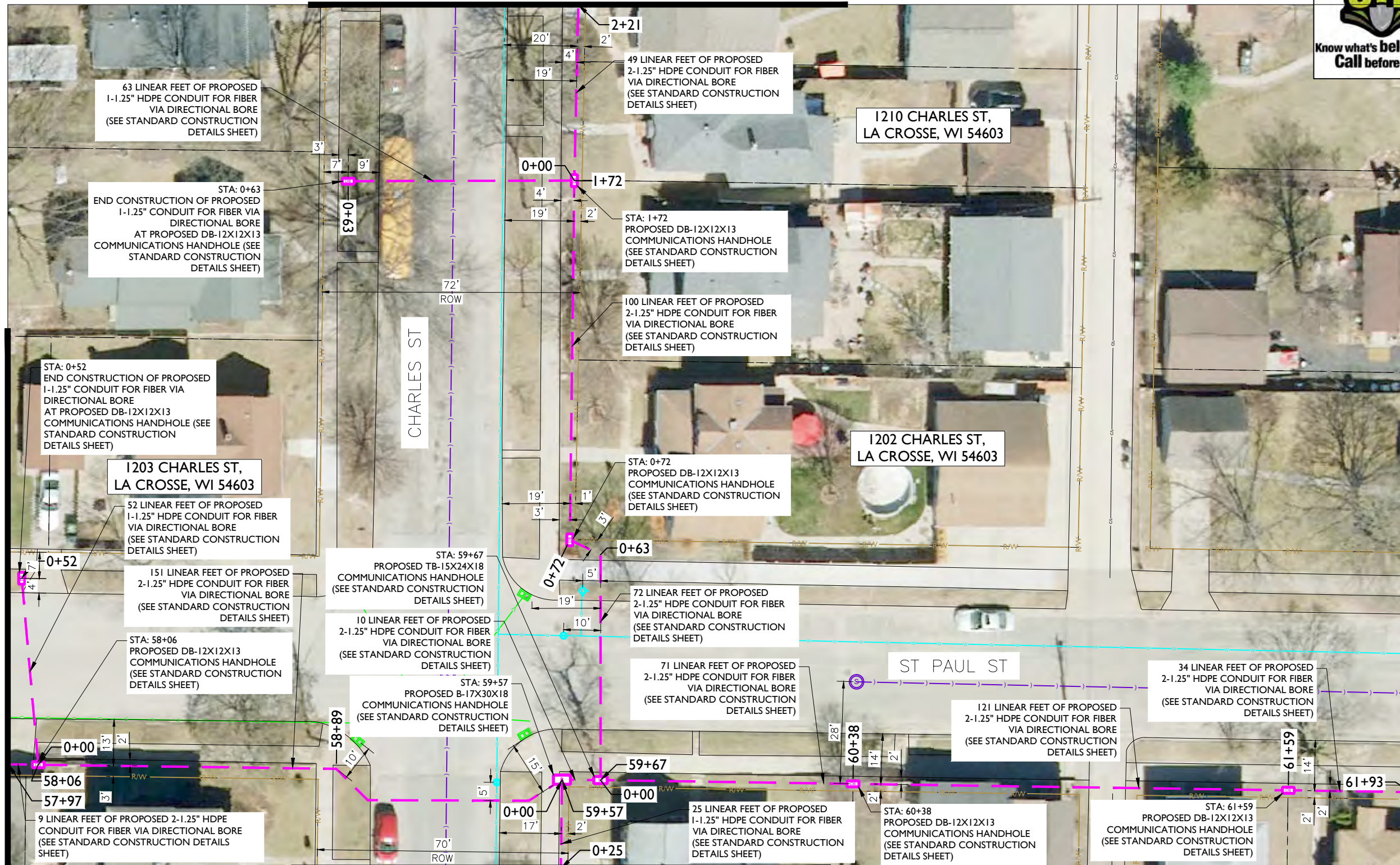
GRID NUMBER

SHEET NUMBER

C-19



MATCHLINE — SHEET C-20



MATCHLINE — SHEET C-21



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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

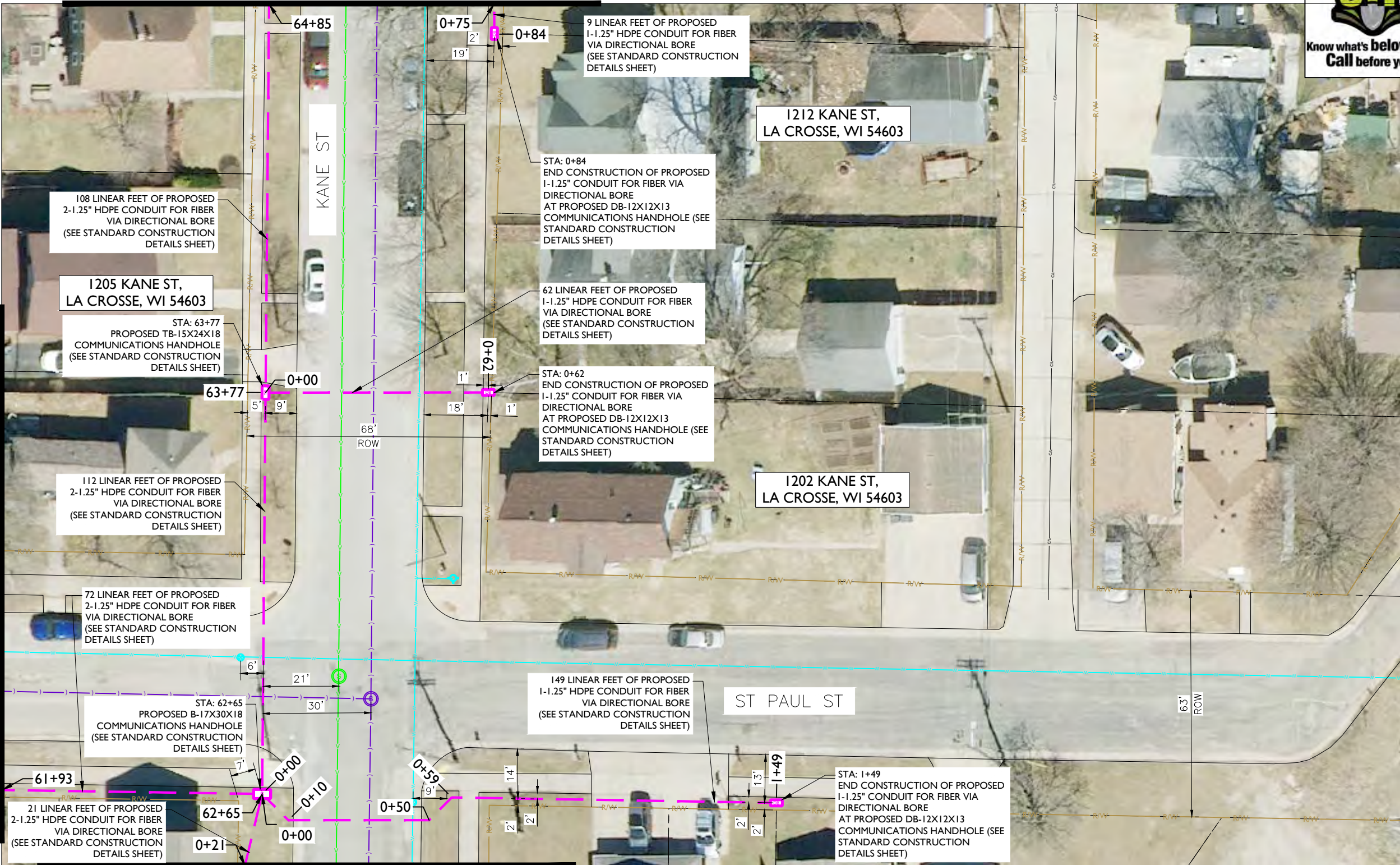
SHEET NUMBER

C-20



PROJECT# 2023.0119.0000

MATCHLINE — SHEET C-19



MATCHLINE — SHEET C-63

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:

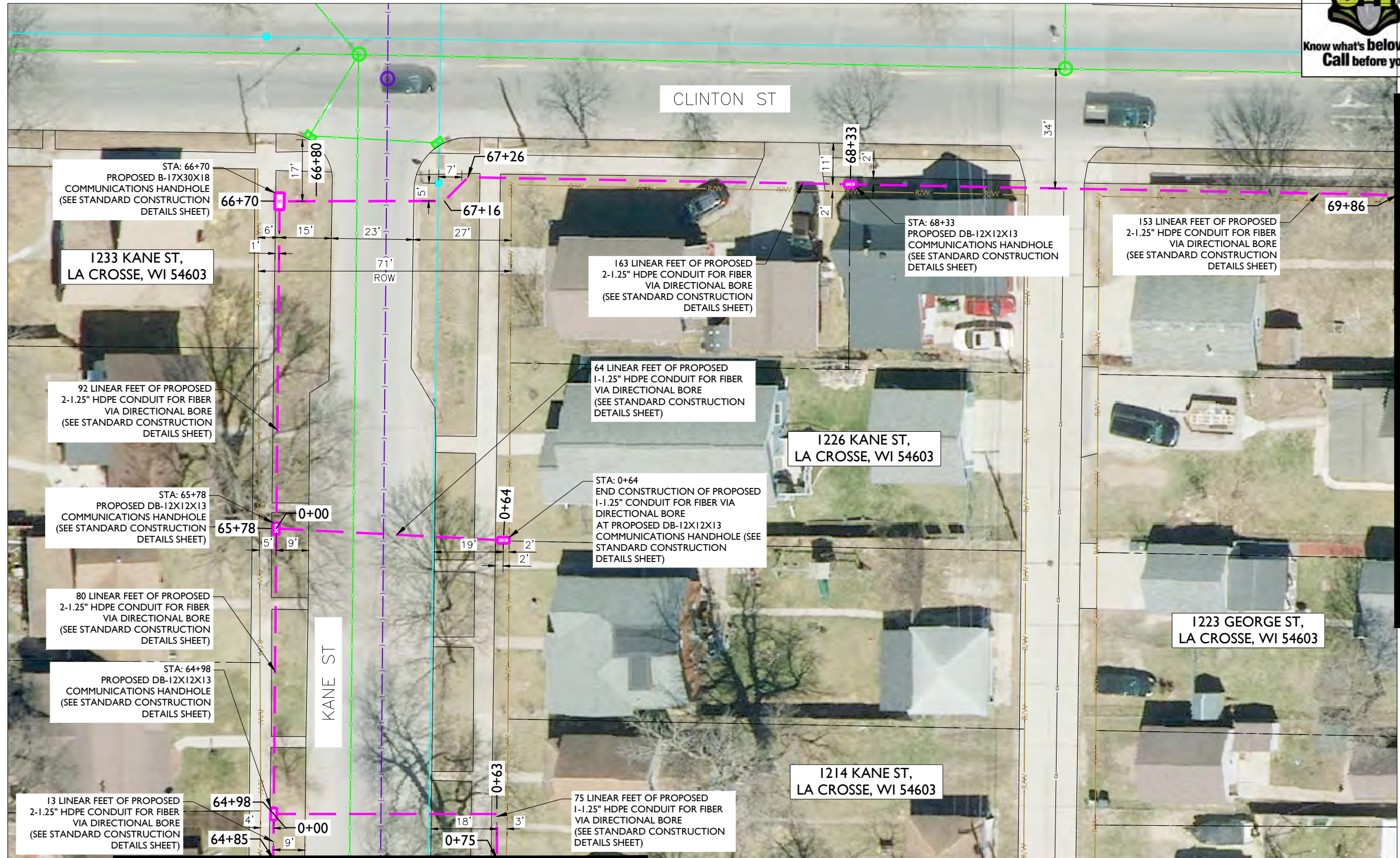
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NOTE:

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NOTE:

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TASK NAME
WILC032

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-21

- 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:
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MATCHLINE - SHEET C-21



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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

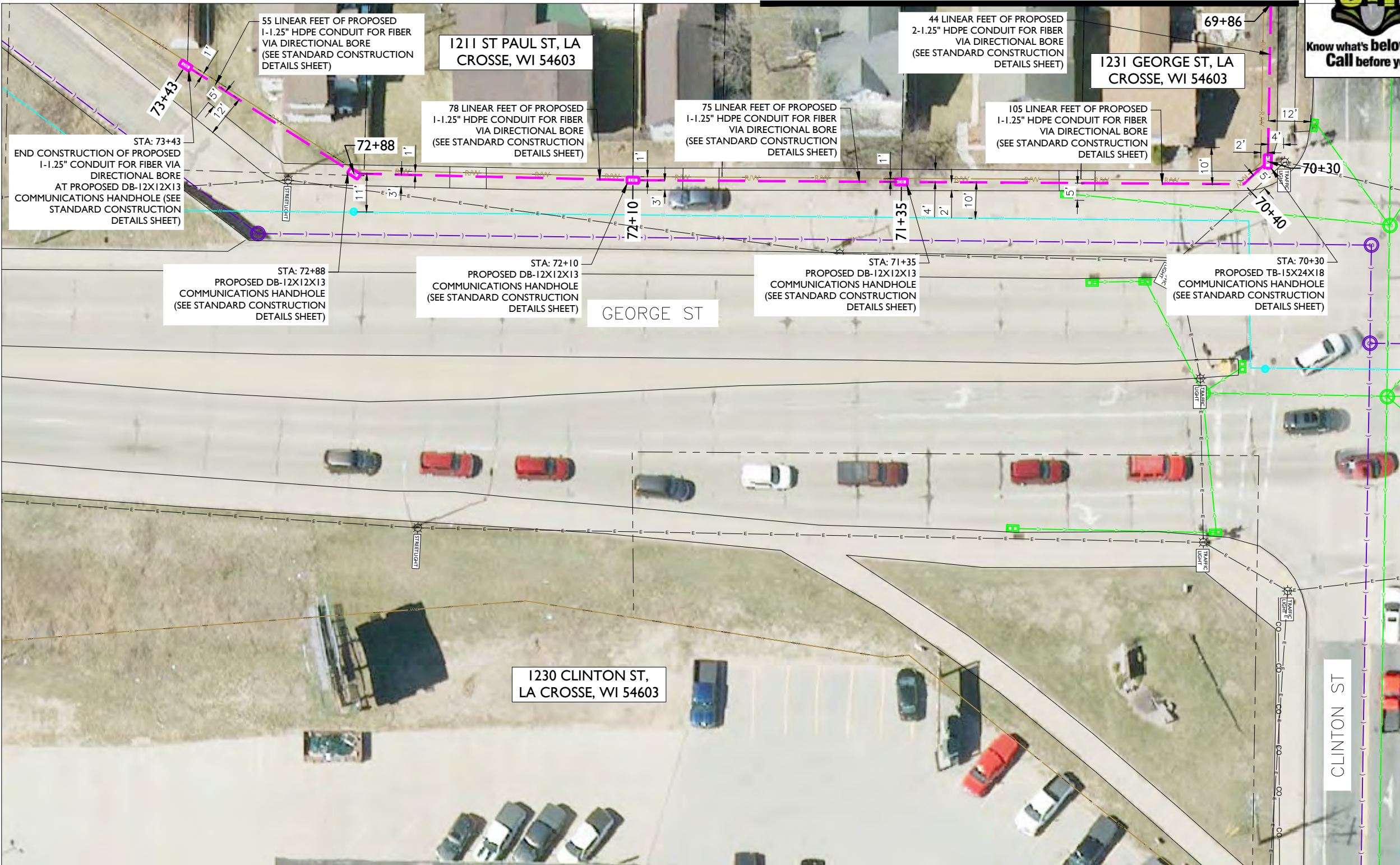
SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

C-22



- 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.

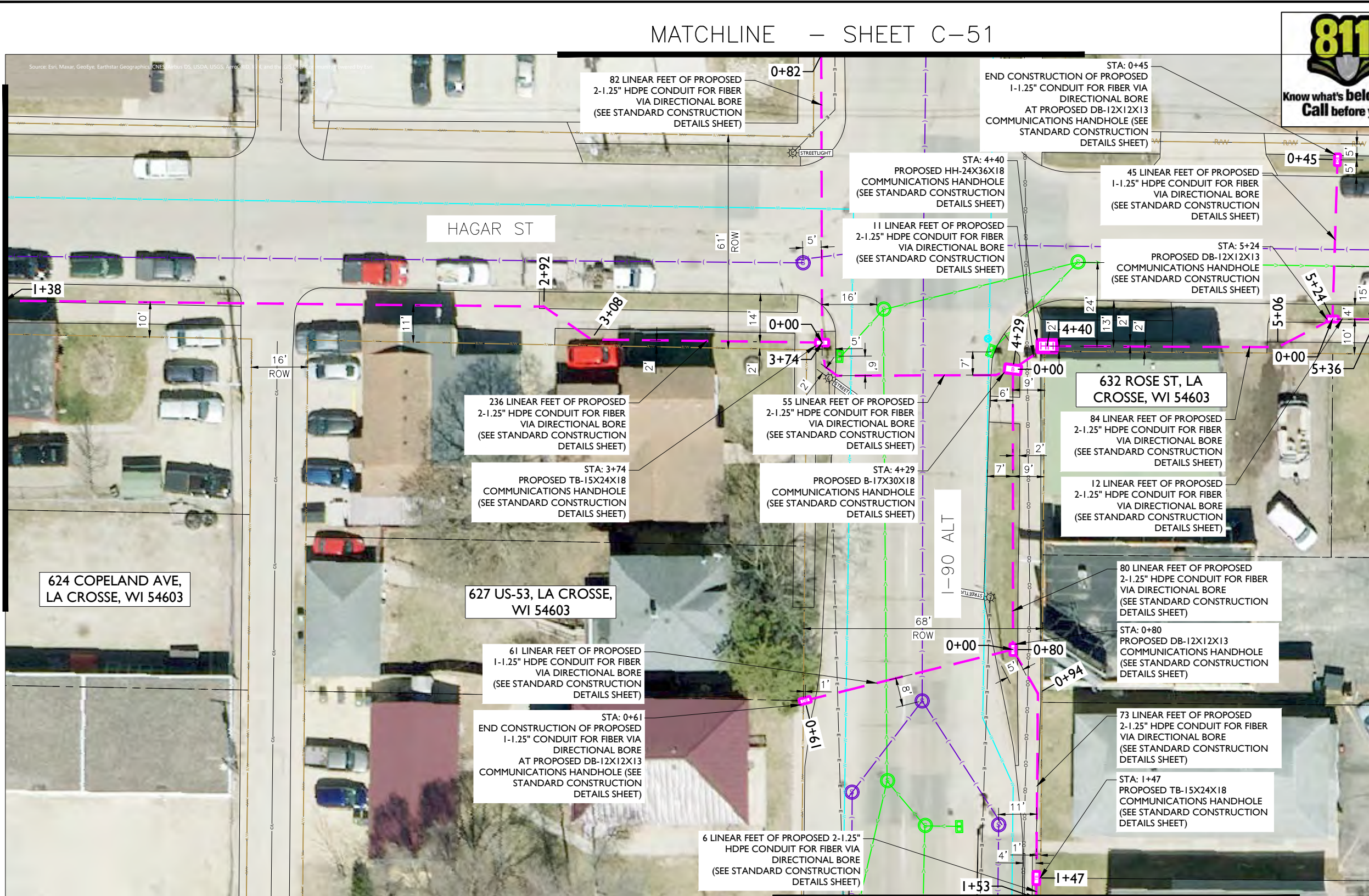
NOTE:
PRIOR TO CONSTRUCTION ALL
TRAFFIC SIGNAL WIRING AT THE
INTERSECTION MUST BE PROPERLY
LOCATED.

NOTE:
PRIOR TO CONSTRUCTION ALL STREET LIGHT
WIRING MUST BE PROPERLY LOCATED.

NOTE:
RIGHT-OF-WAY LINE SHOWN PER INFORMATION PROVIDED IN GIS
FILE OBTAINED FROM LA CROSSE CITY

NOTE:
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MATCHLINE — SHEET C-05



MATCHLINE — SHEET C-44

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

NOTE:
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NOTE:
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TASK NAME

WILC032

TASK DESCRIPTION
**FIBER OPTIC CONDUIT
PLACEMENT**

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

C-23

MATCHLINE - SHEET C-23

MATCHLINE - SHEET C-25



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3701 COMMUNICATIONS WAY
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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

C-24



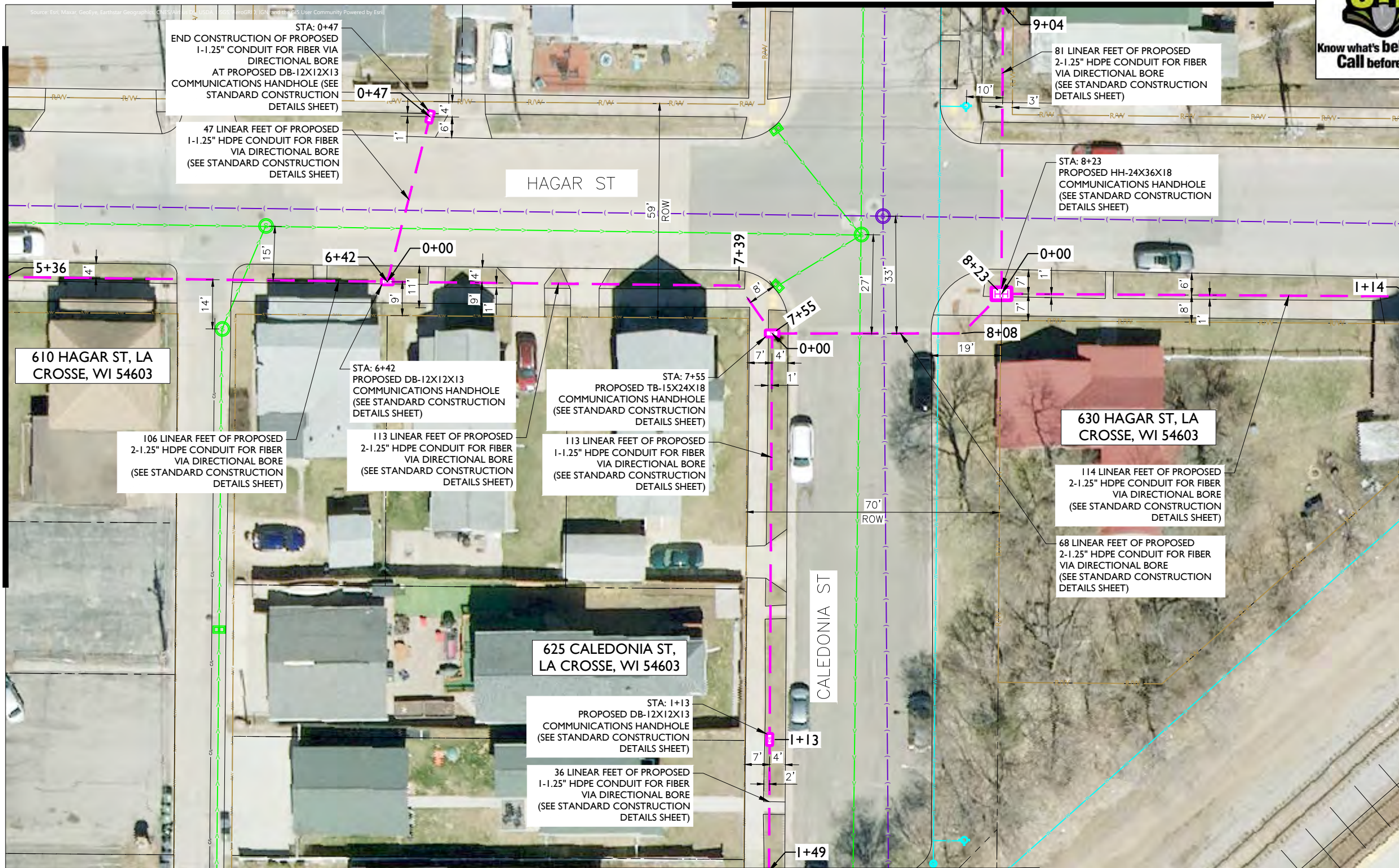
PROJECT# 2023.0119.0000

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

NOTE:
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WIRING MUST BE PROPERLY LOCATED.

NOTE:
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FILE OBTAINED FROM LA CROSSE CITY

NOTE:
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STORM AND SANITARY INLETS, MANHOLES AND CATCH BASINS.



MATCHLINE — SHEET C-26



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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

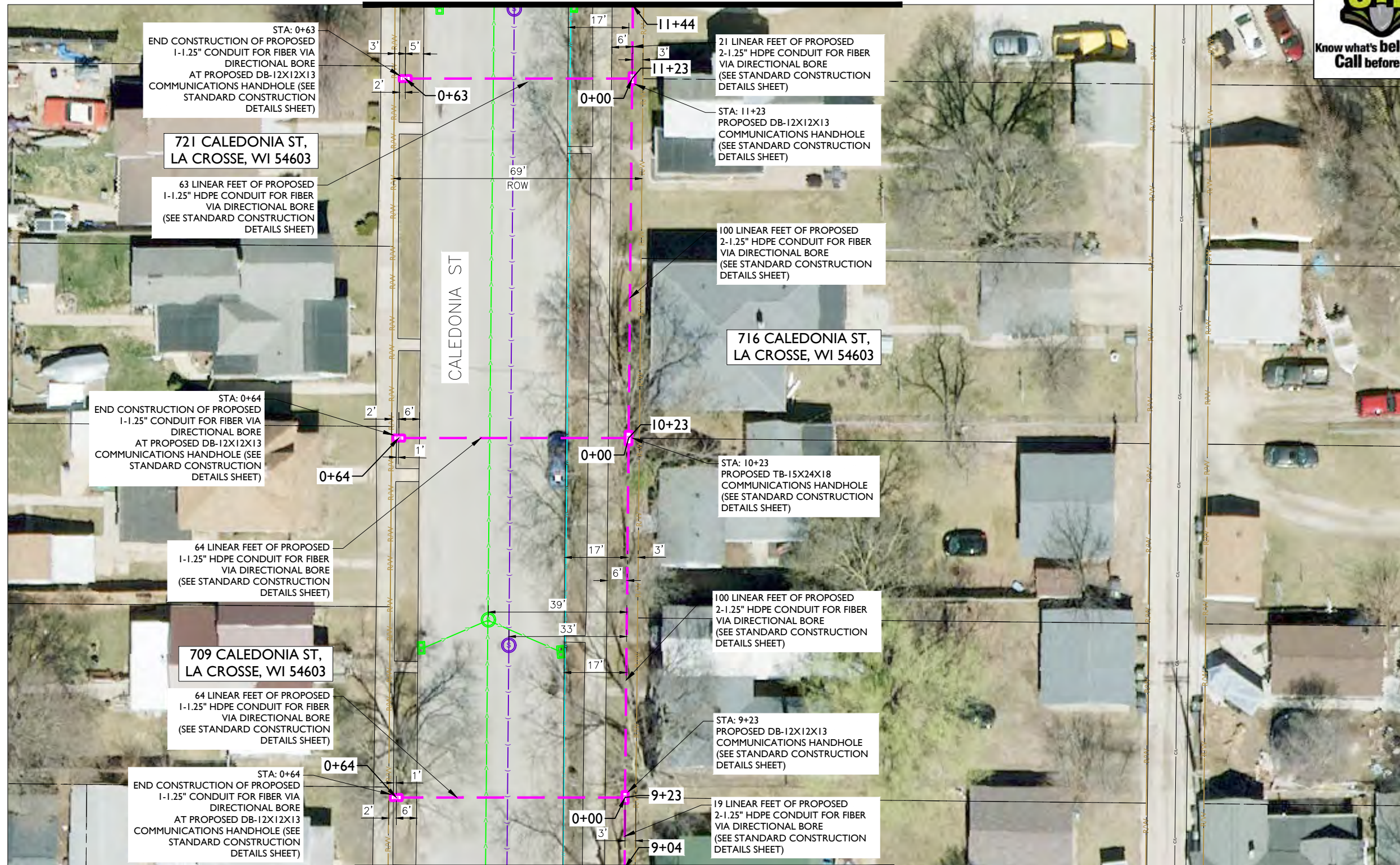
GRID NUMBER

SHEET NUMBER

C-25



PROJECT# 2023.0119.0000



MATCHLINE — SHEET C-24

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:

PRIOR TO CONSTRUCTION ALL STREET LIGHT WIRING MUST BE PROPERLY LOCATED.

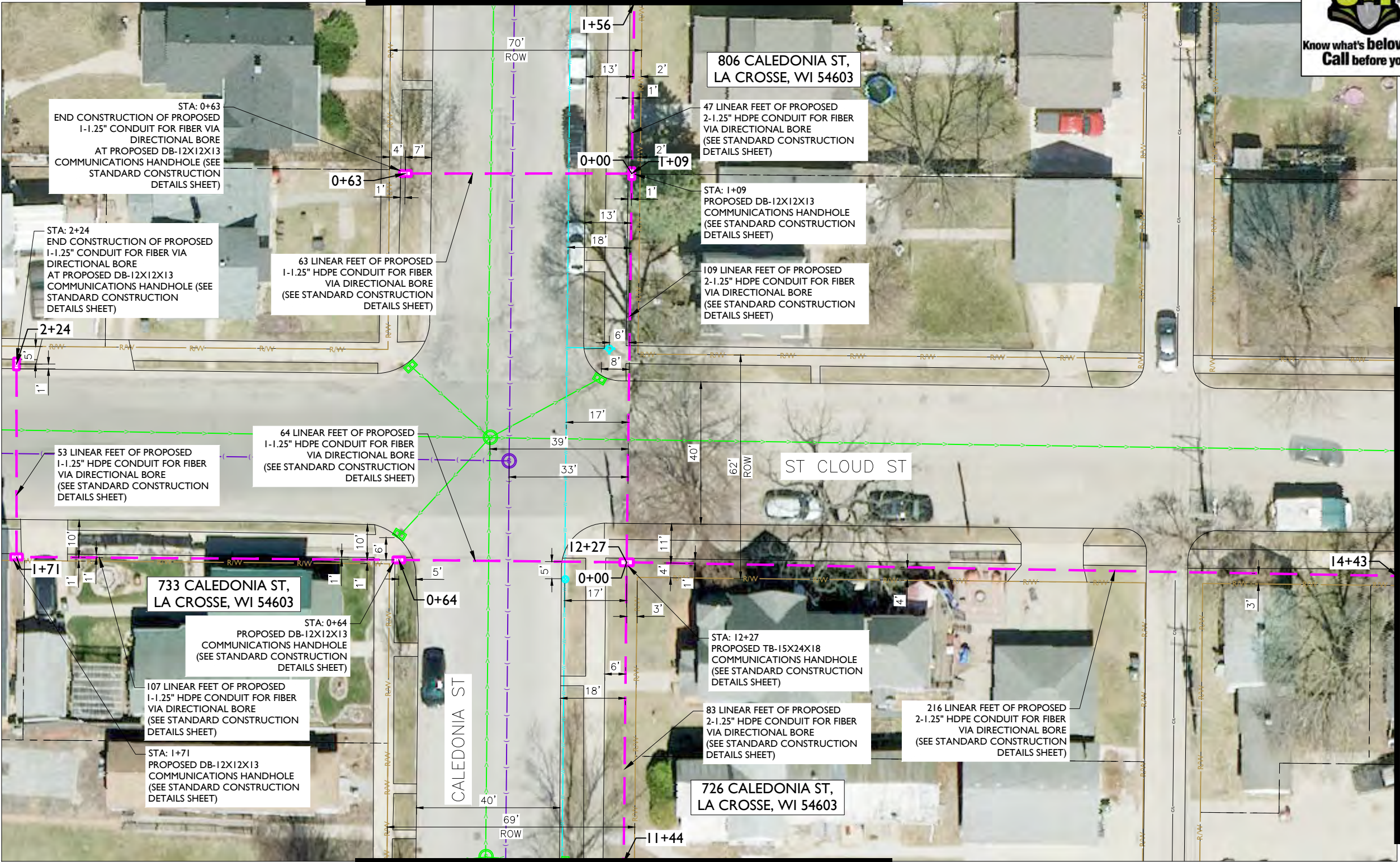
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MATCHLINE - SHEET C-54



MATCHLINE - SHEET C-25

NOTE:
THE INTENT OF THIS DRAWING IS THAT ALL PROPOSED CONDUIT IS TO BE PLACED WITHIN SAID RIGHT-OF-WAY.

- NOTE:
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TASK NAME
WILC032

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-26

MATCHLINE — SHEET C-28



metronet

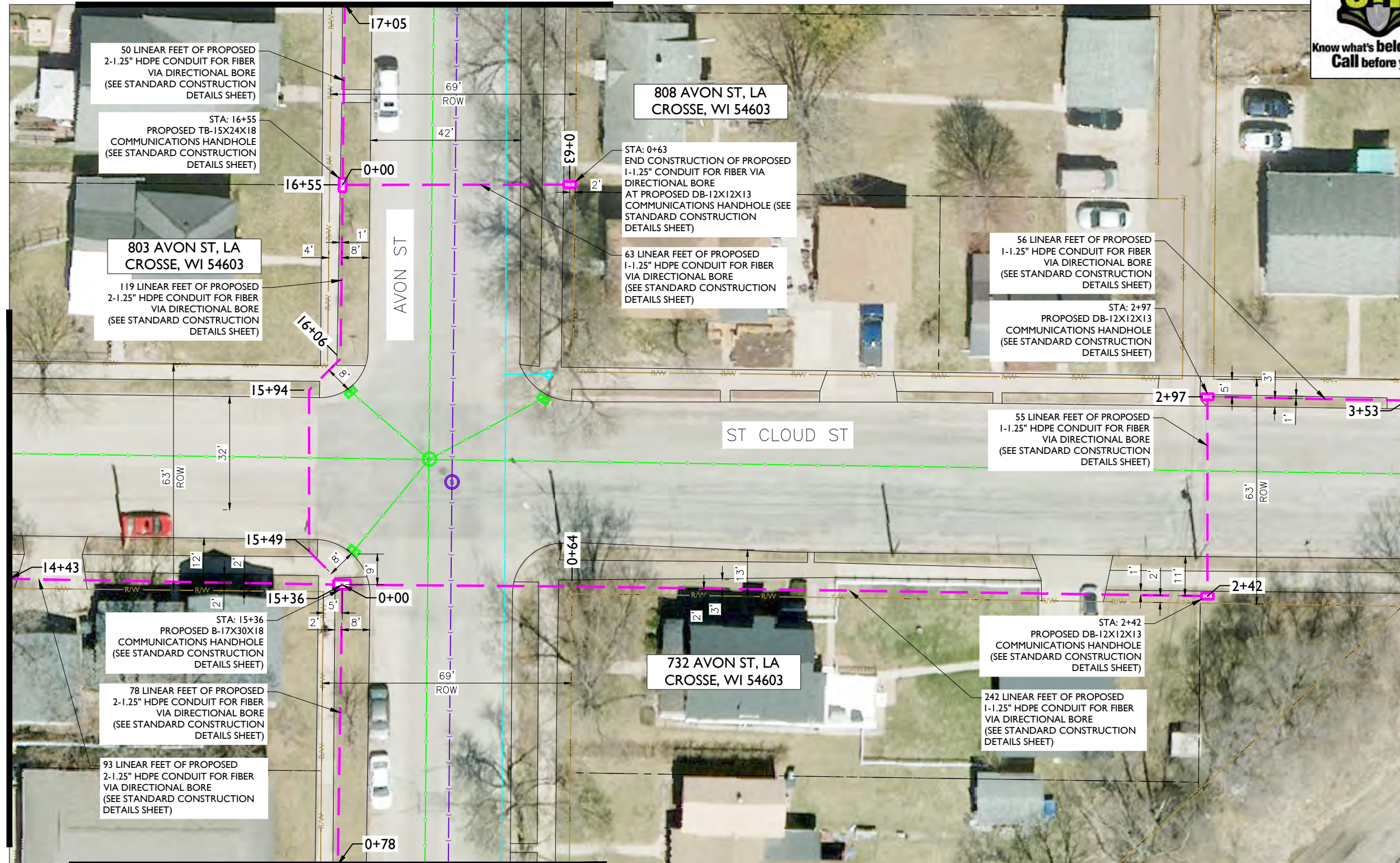
3701 COMMUNICATIONS WAY
EVANSVILLE, IN, 47715

Fullerton
DESIGN DEVELOP CONSTRUCT

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

MATCHLINE — SHEET C-48

MATCHLINE — SHEET C-26



MATCHLINE — SHEET C-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.

NOTE:
PRIOR TO CONSTRUCTION ALL STREET LIGHT
WIRING MUST BE PROPERLY LOCATED.

NOTE:
RIGHT-OF-WAY LINE SHOWN PER INFORMATION PROVIDED IN GIS
FILE OBTAINED FROM LA CROSSE CITY

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



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A	08/23/24	ISSUED FOR REVIEW	HT
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F	05/07/25	REVISED	GB

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OF MY KNOWLEDGE AND BELIEF COMPLY WITH
THE REQUIREMENTS OF ALL APPLICABLE CODES.

TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

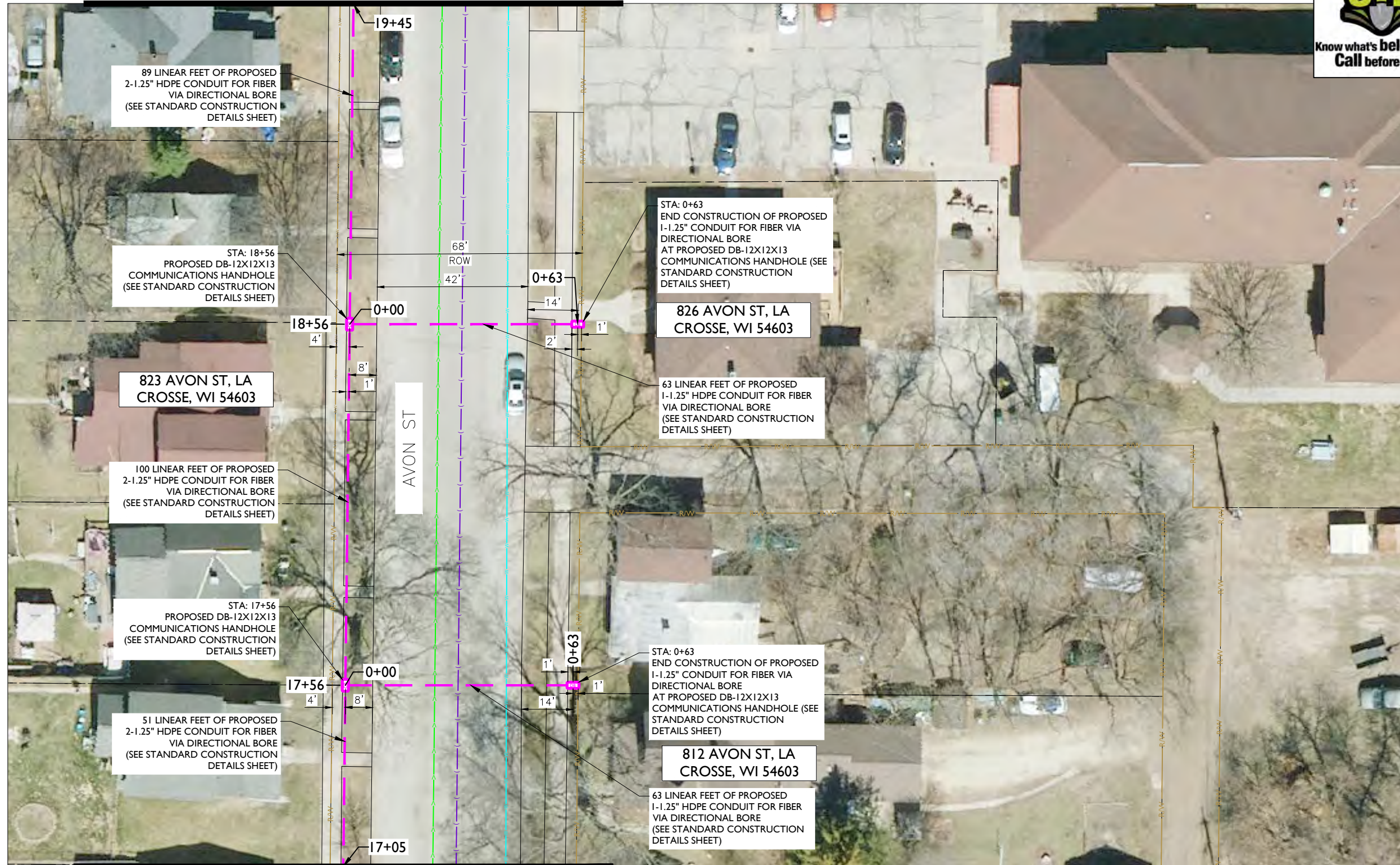
C-27

MATCHLINE — SHEET C-29



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3701 COMMUNICATIONS WAY
EVANSVILLE, IN, 47715

Fullerton
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COA# 3620-11
www.fullerton-us.com



MATCHLINE — SHEET C-27

- 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:
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WIRING MUST BE PROPERLY LOCATED.

NOTE:
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FILE OBTAINED FROM LA CROSSE CITY

NOTE:
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TASK NAME
WILC032

TASK DESCRIPTION
**FIBER OPTIC CONDUIT
PLACEMENT**

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-28

MATCHLINE — SHEET C-13

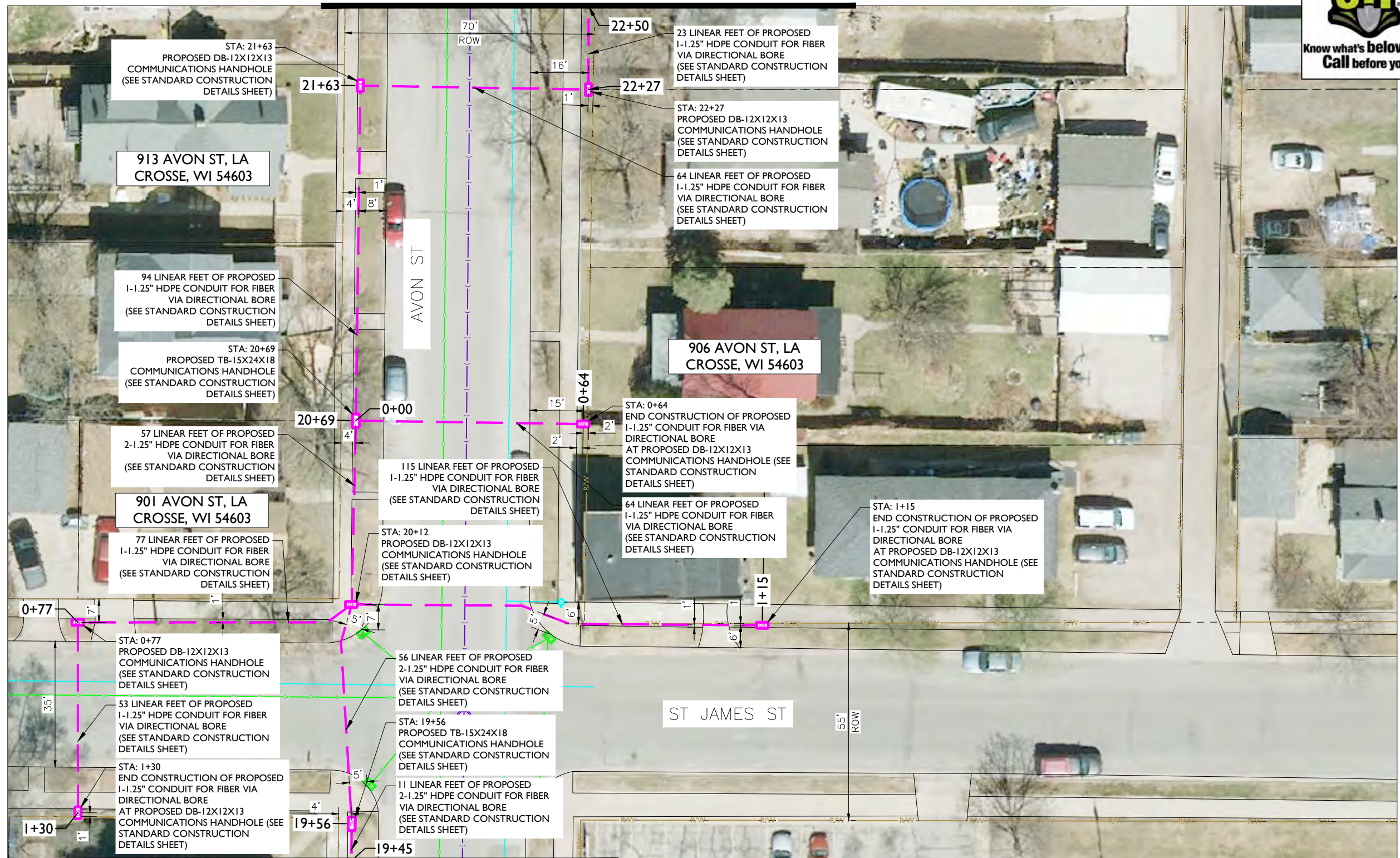


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MATCHLINE — SHEET C-28

NOTE:

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NOTE:
PRIOR TO CONSTRUCTION ALL STREET LIGHT WIRING MUST BE PROPERLY LOCATED.

NOTE:
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NOTE:
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TASK NAME
WILC032

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER
C-29

MATCHLINE — SHEET C-33



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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

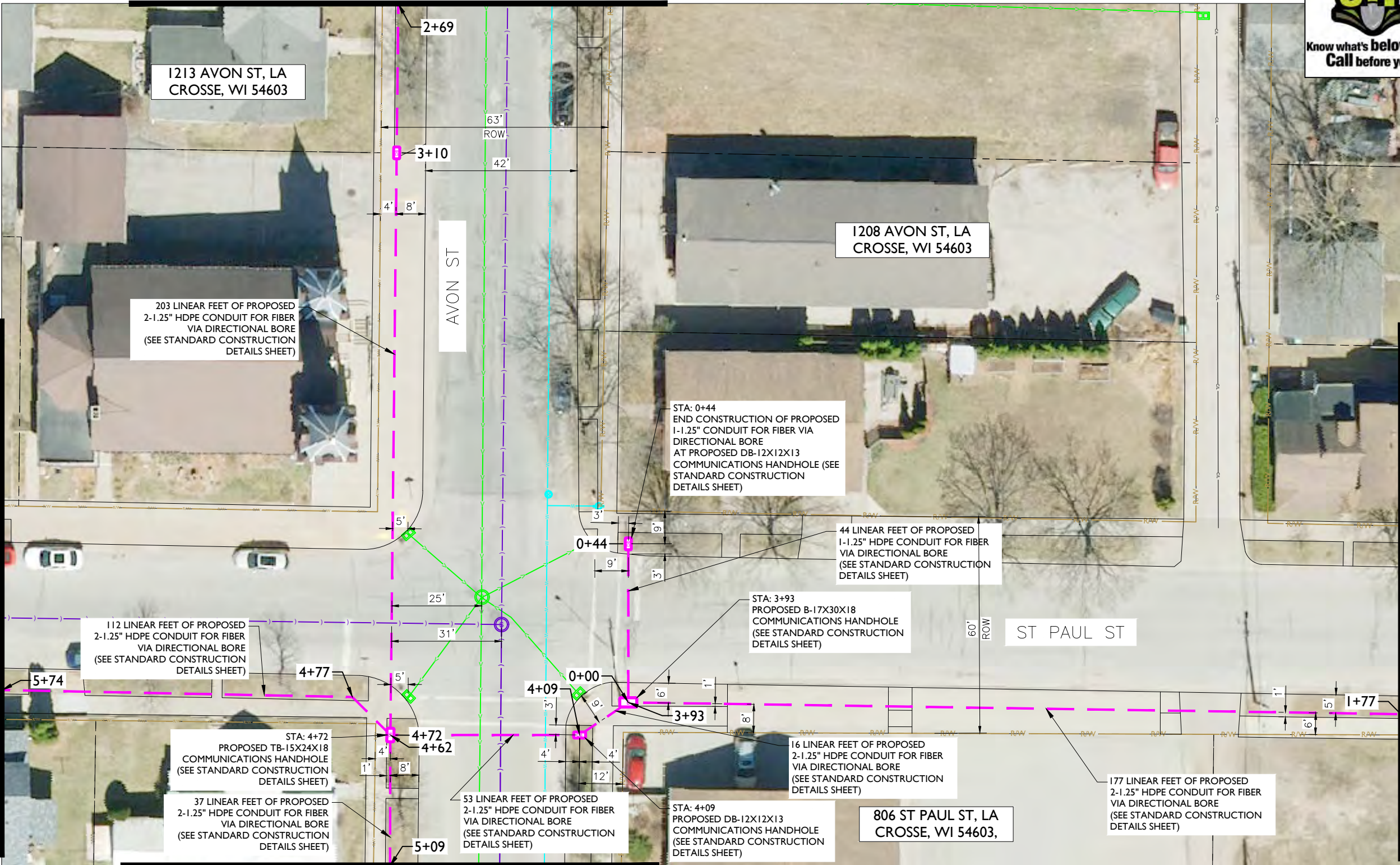
SHEET NUMBER

C-30



PROJECT# 2023.0119.0000

MATCHLINE — SHEET C-31



MATCHLINE — SHEET C-61

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:

PRIOR TO CONSTRUCTION ALL STREET LIGHT WIRING MUST BE PROPERLY LOCATED.

NOTE:

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NOTE:

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

MATCHLINE — SHEET C-32



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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

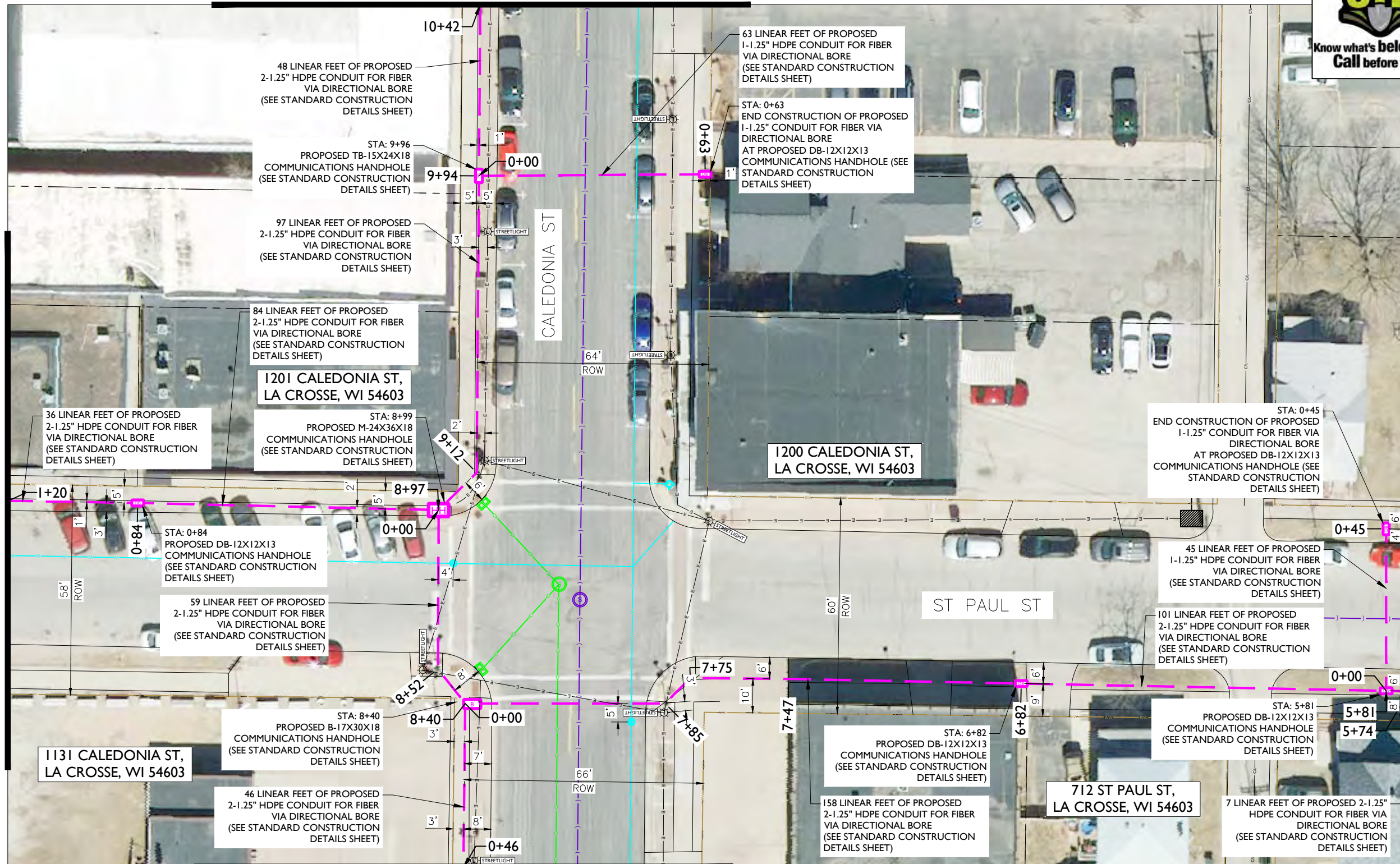
SHEET NUMBER

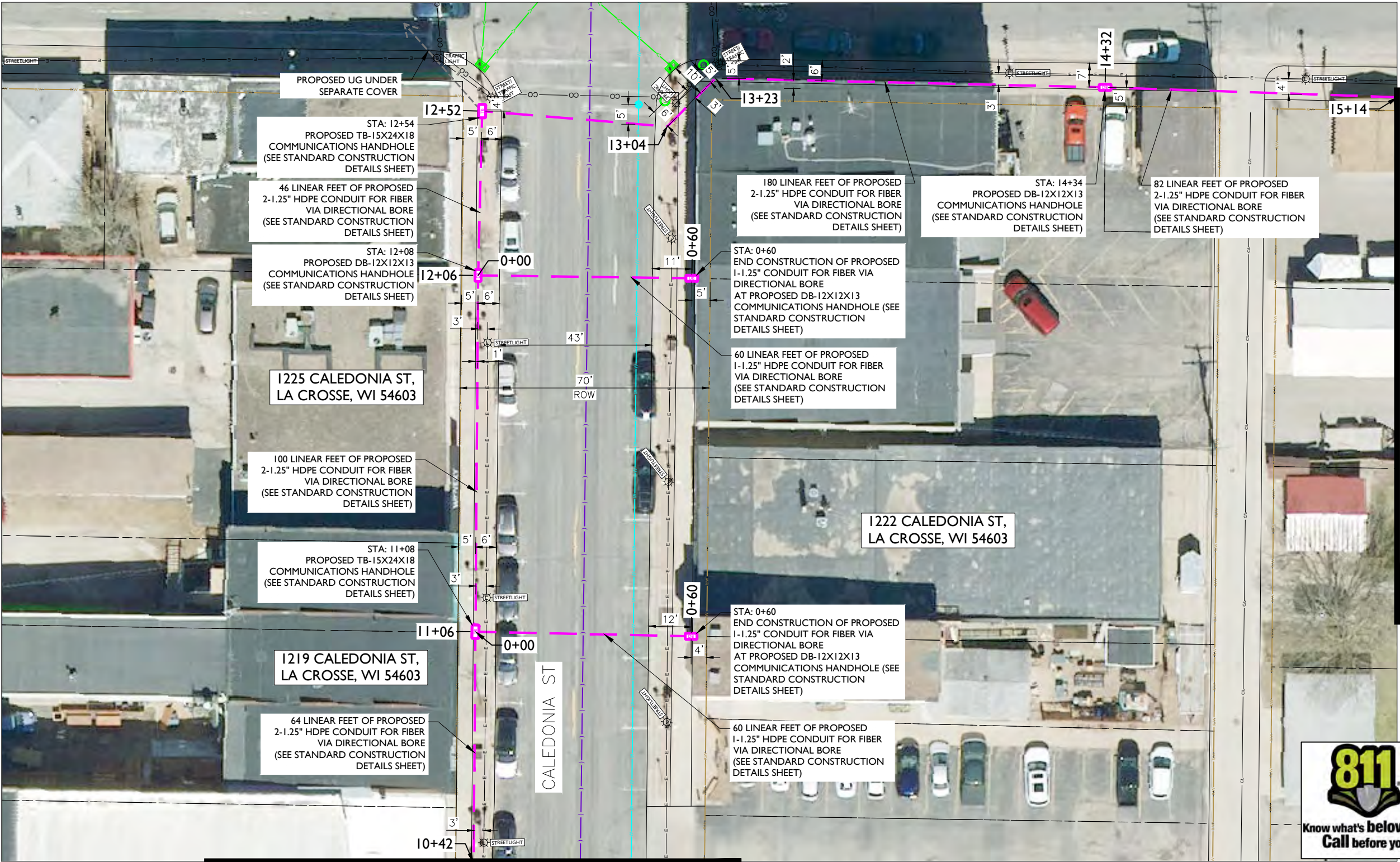
C-31



PROJECT# 2023.0119.0000

MATCHLINE — SHEET C-64





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TASK NAME
WILC032

TASK DESCRIPTION
FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-32



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:
PRIOR TO CONSTRUCTION ALL
TRAFFIC SIGNAL WIRING AT THE
INTERSECTION MUST BE PROPERLY
LOCATED.

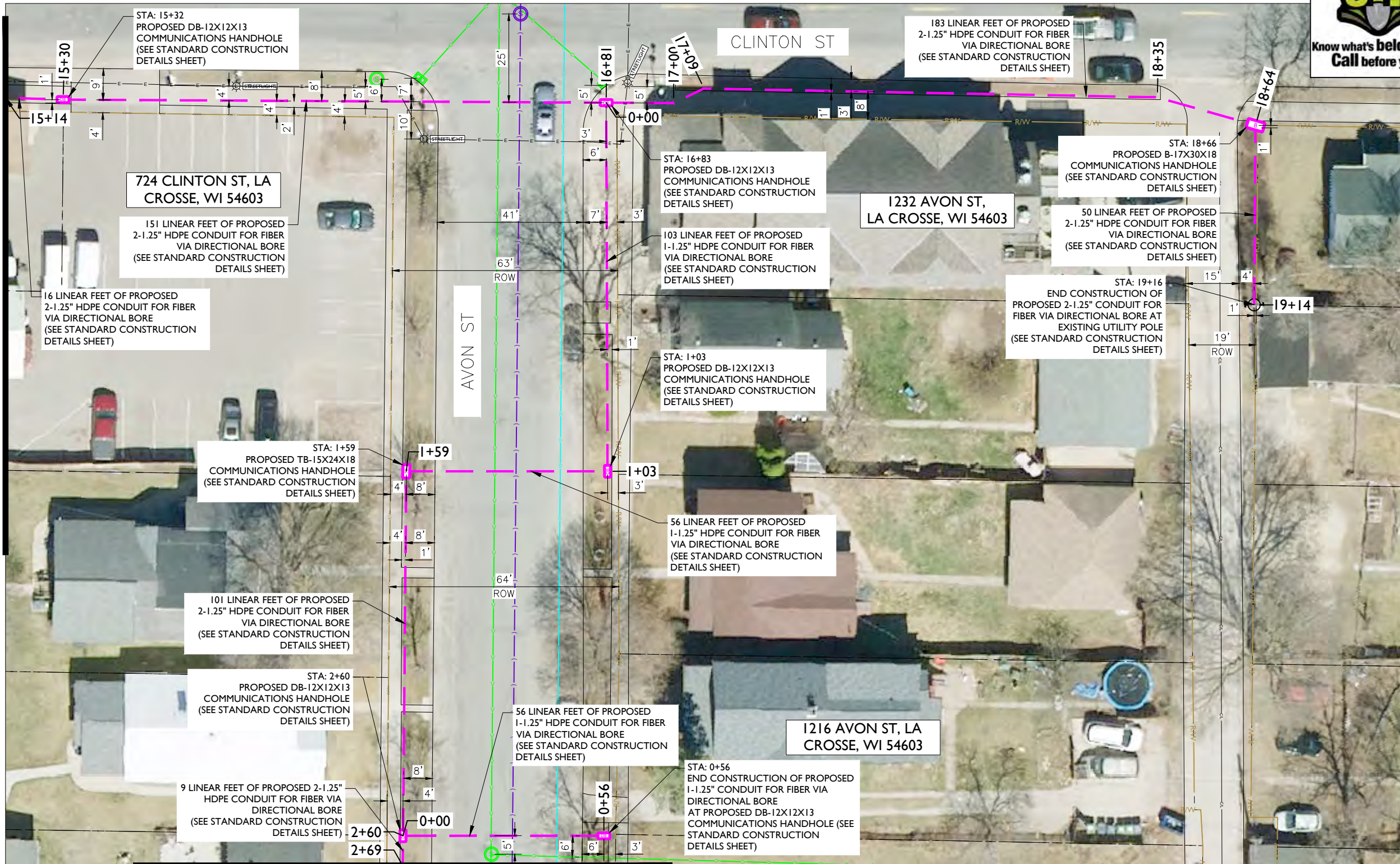
NOTE:
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WIRING MUST BE PROPERLY LOCATED.

NOTE:
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NOTE:
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STORM AND SANITARY INLETS, MANHOLES AND CATCH BASINS.



MATCHLINE - SHEET C-32



MATCHLINE - SHEET C-30

- 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:
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COA# 3620-11
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THE REQUIREMENTS OF ALL APPLICABLE CODES.

TASK NAME
WILC032
TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT
PROJECT AREA
LACROSSE, WI
SHEET SCALE
1" = 30'-0"
SHEET TITLE
DESIGN LAYOUT
GRID NUMBER
SHEET NUMBER
C-33

MATCHLINE — SHEET C-62



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3701 COMMUNICATIONS WAY
EVANSVILLE, IN, 47715



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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

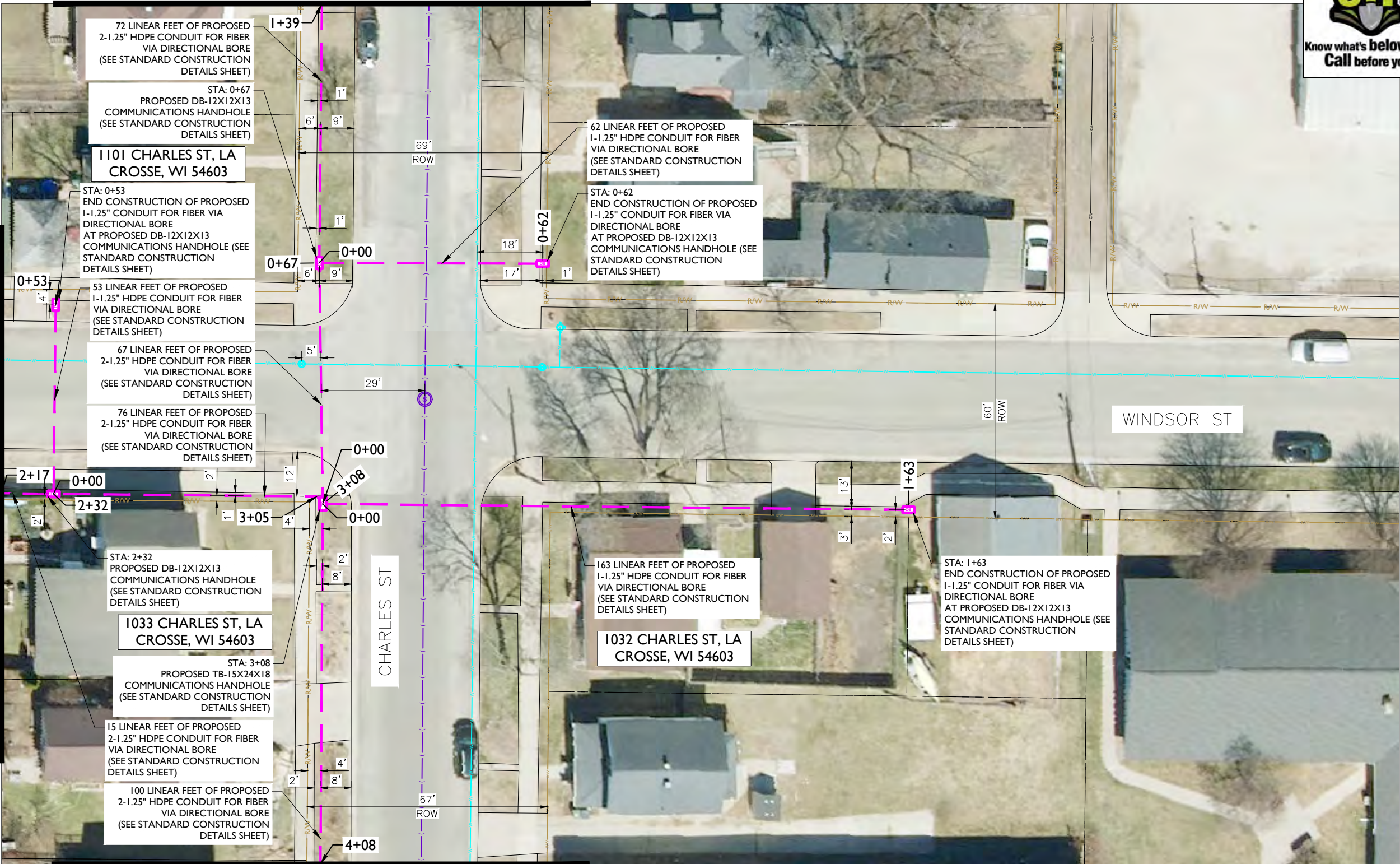
SHEET NUMBER

C-34



PROJECT# 2023.0119.0000

MATCHLINE — SHEET C-16



MATCHLINE — SHEET C-35

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:

PRIOR TO CONSTRUCTION ALL STREET LIGHT WIRING MUST BE PROPERLY LOCATED.

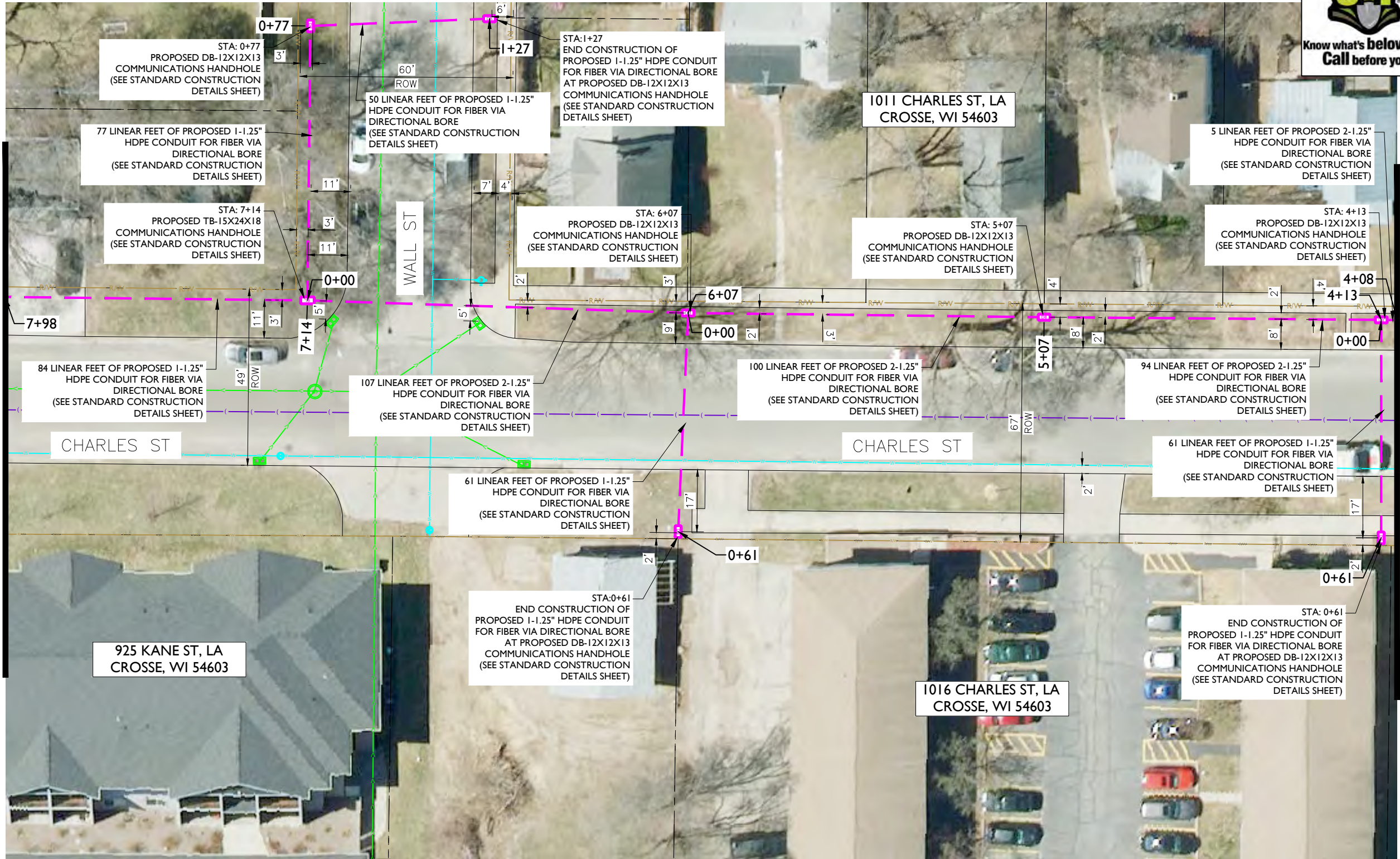
NOTE:

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NOTE:

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MATCHLINE - SHEET C-36



- 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:
PRIOR TO CONSTRUCTION ALL STREET LIGHT WIRING MUST BE PROPERLY LOCATED.

NOTE:
RIGHT-OF-WAY LINE SHOWN PER INFORMATION PROVIDED IN GIS FILE OBTAINED FROM LA CROSSE CITY

NOTE:
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TEL: 847-908-8400
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TASK NAME
WILC032

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

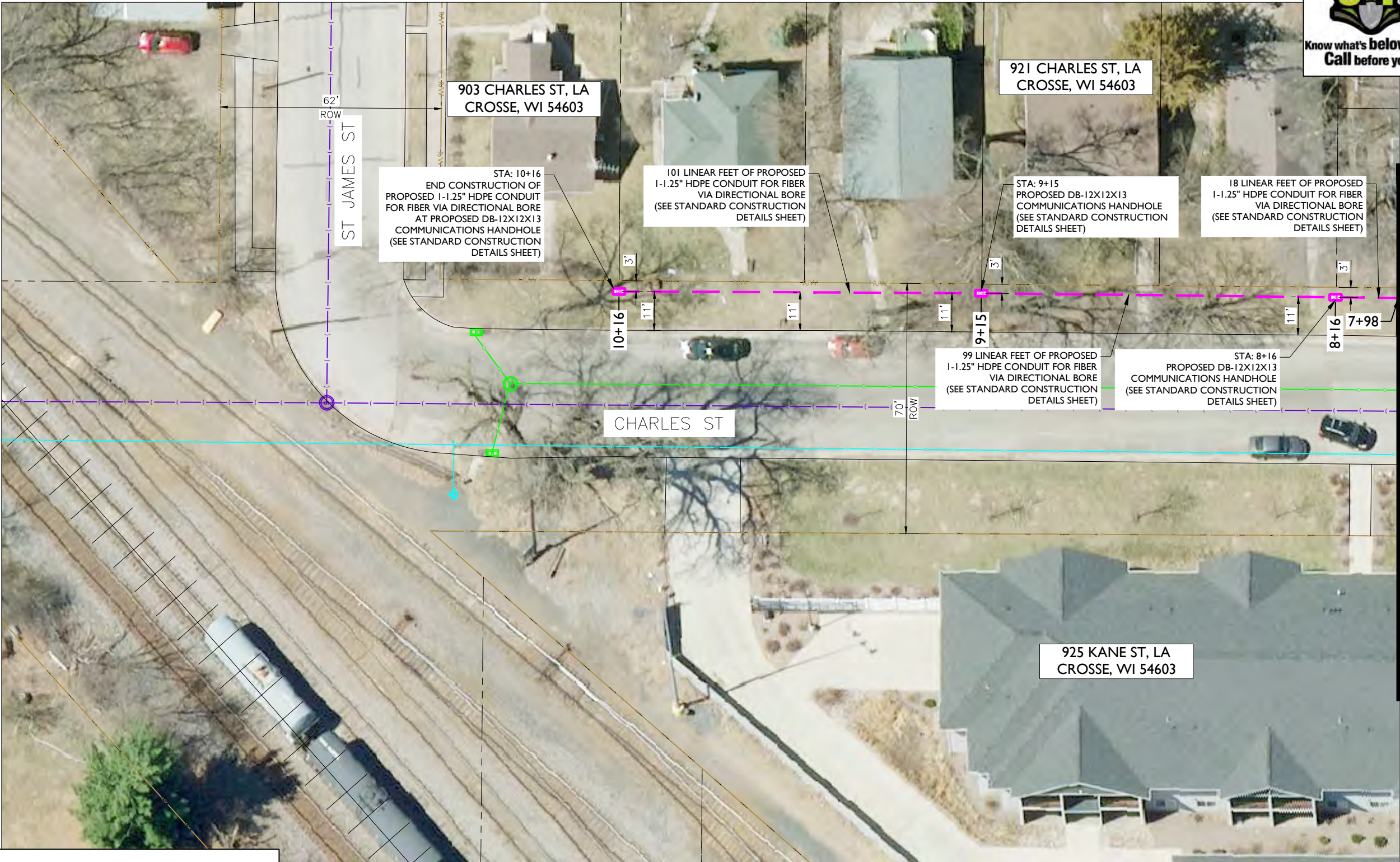
SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-35





metronet
3701 COMMUNICATIONS WAY
EVANSVILLE, IN, 47715



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TASK NAME
WILC032

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-36

NOTE:
PLACEMENT OF UNDERGROUND CONDUIT AND OTHER PROPOSED STRUCTURES SHALL NOT IMPEDE MAINTENANCE AND/OR REPLACEMENT OF POLES OR OTHER RAILROAD EQUIPMENT.

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.

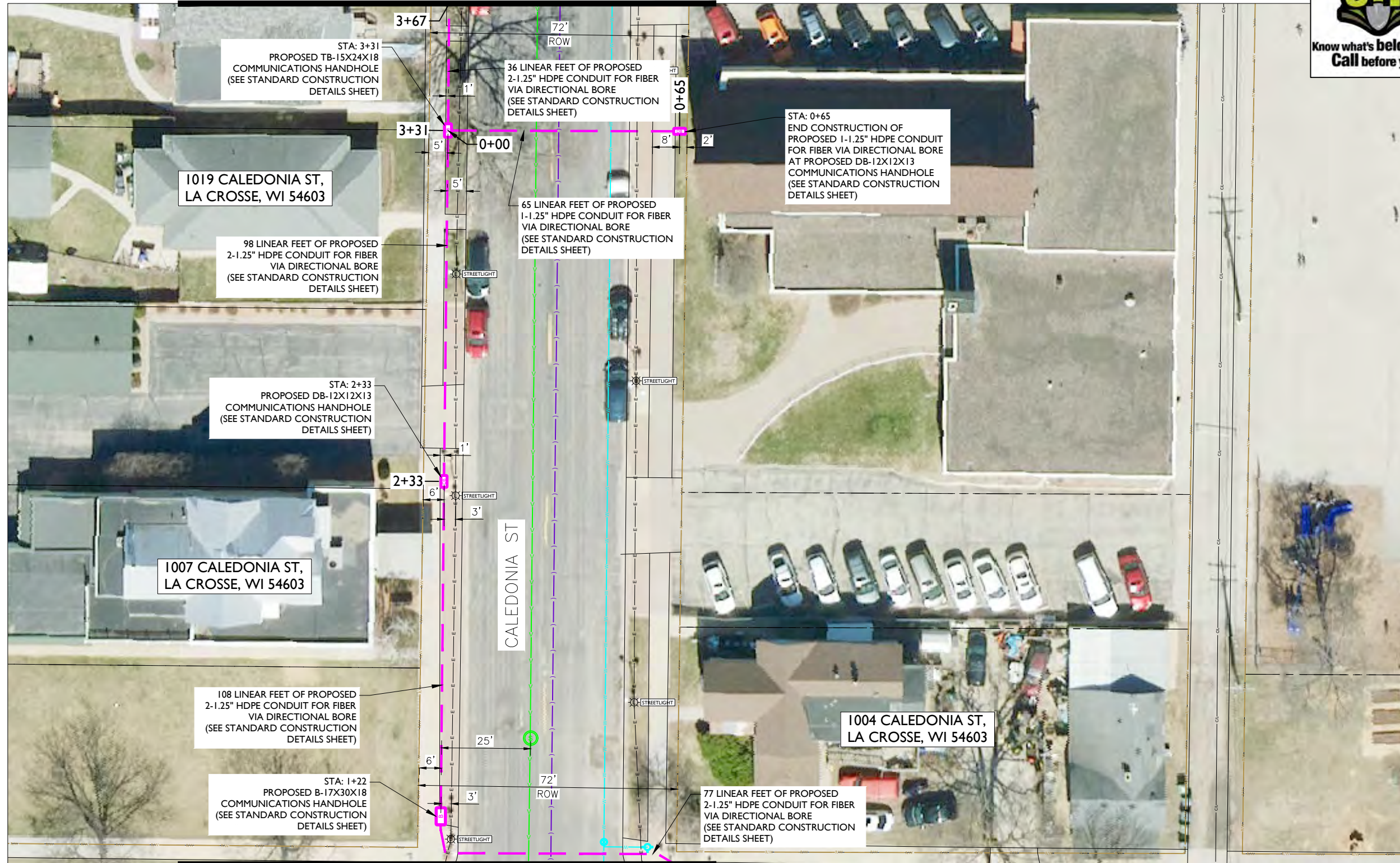
NOTE:
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NOTE:
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NOTE:
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MATCHLINE — SHEET C-38



MATCHLINE — SHEET C-12

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

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

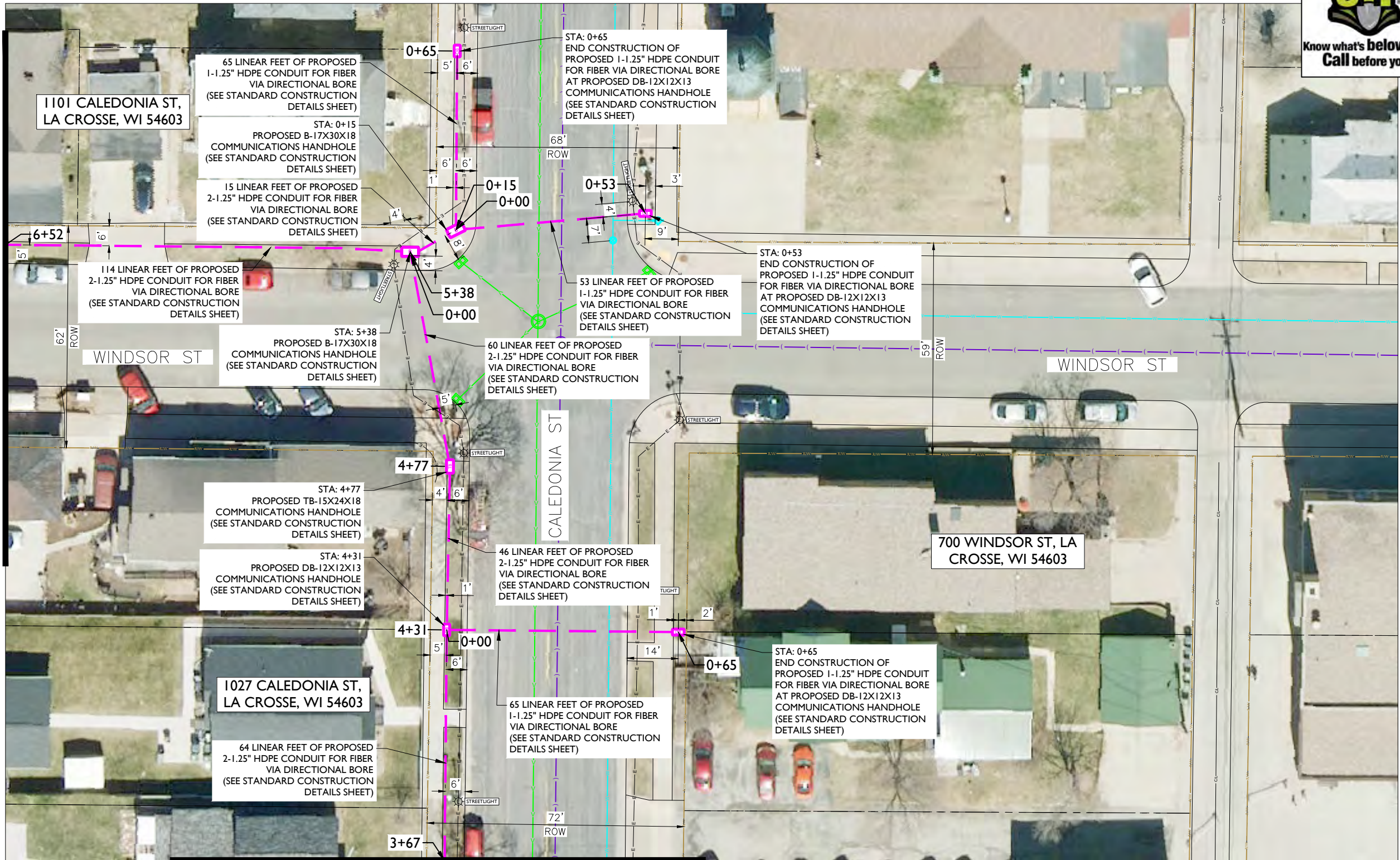
GRID NUMBER

SHEET NUMBER

C-37



MATCHLINE — SHEET C-39



MATCHLINE — SHEET C-37

- NOTE:
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 - MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.

NOTE:
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NOTE:
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TASK NAME

WILC032

TASK DESCRIPTION
**FIBER OPTIC CONDUIT
PLACEMENT**

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

C-38

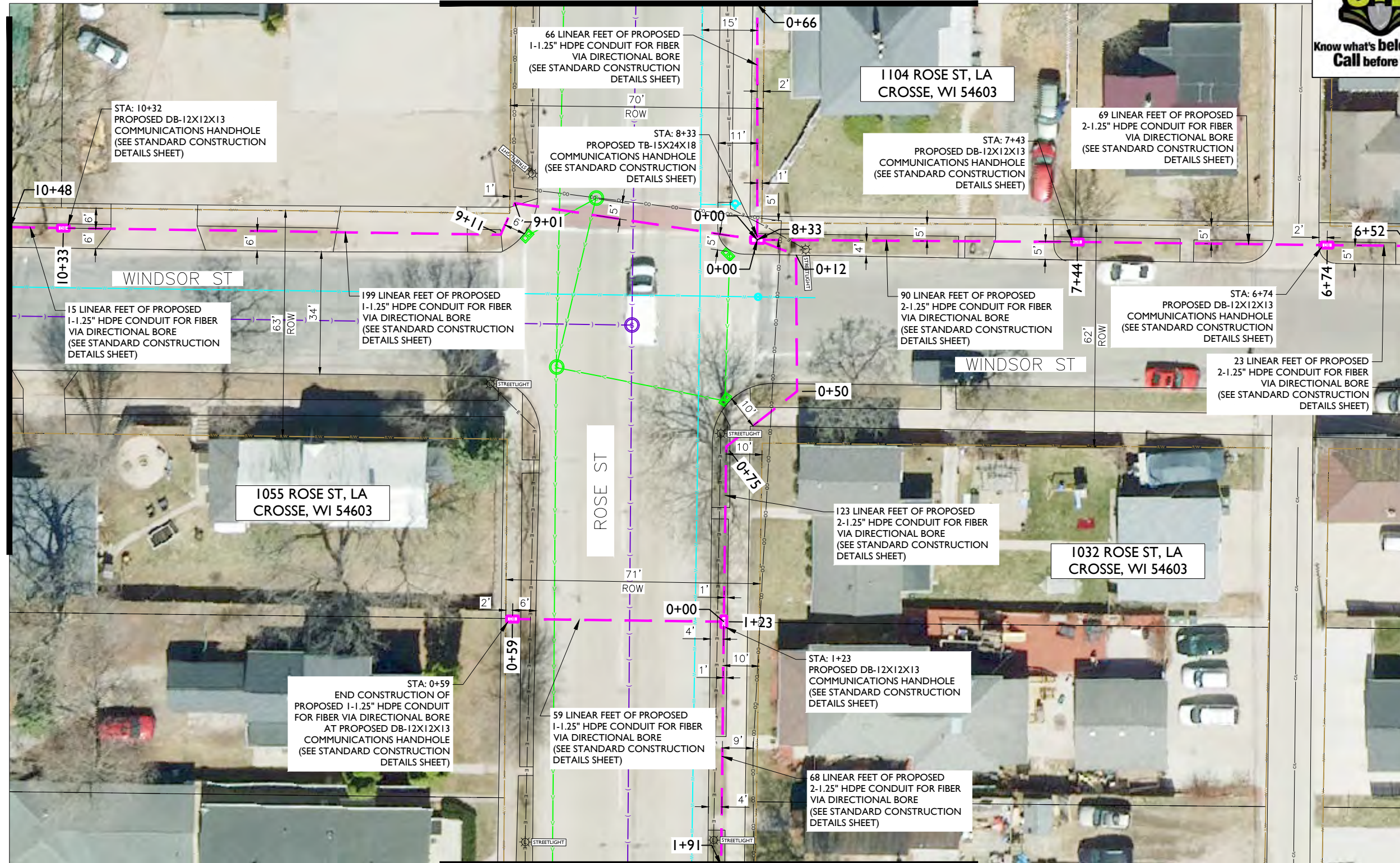
MATCHLINE — SHEET C-59



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MATCHLINE — SHEET C-40



MATCHLINE — SHEET C-38

REV	DATE	DESCRIPTION	BY
A	08/23/24	ISSUED FOR REVIEW	HT
B	10/10/24	REVISED	BP
C	11/12/24	REVISED	BP
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F	05/07/25	REVISED	GB

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TASK NAME

WILC032

TASK DESCRIPTION

**FIBER OPTIC CONDUIT
PLACEMENT**

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

C-39

MATCHLINE — SHEET C-56

NOTE:
THE INTENT OF THIS DRAWING IS THAT ALL PROPOSED CONDUIT IS TO BE PLACED WITHIN SAID RIGHT-OF-WAY.

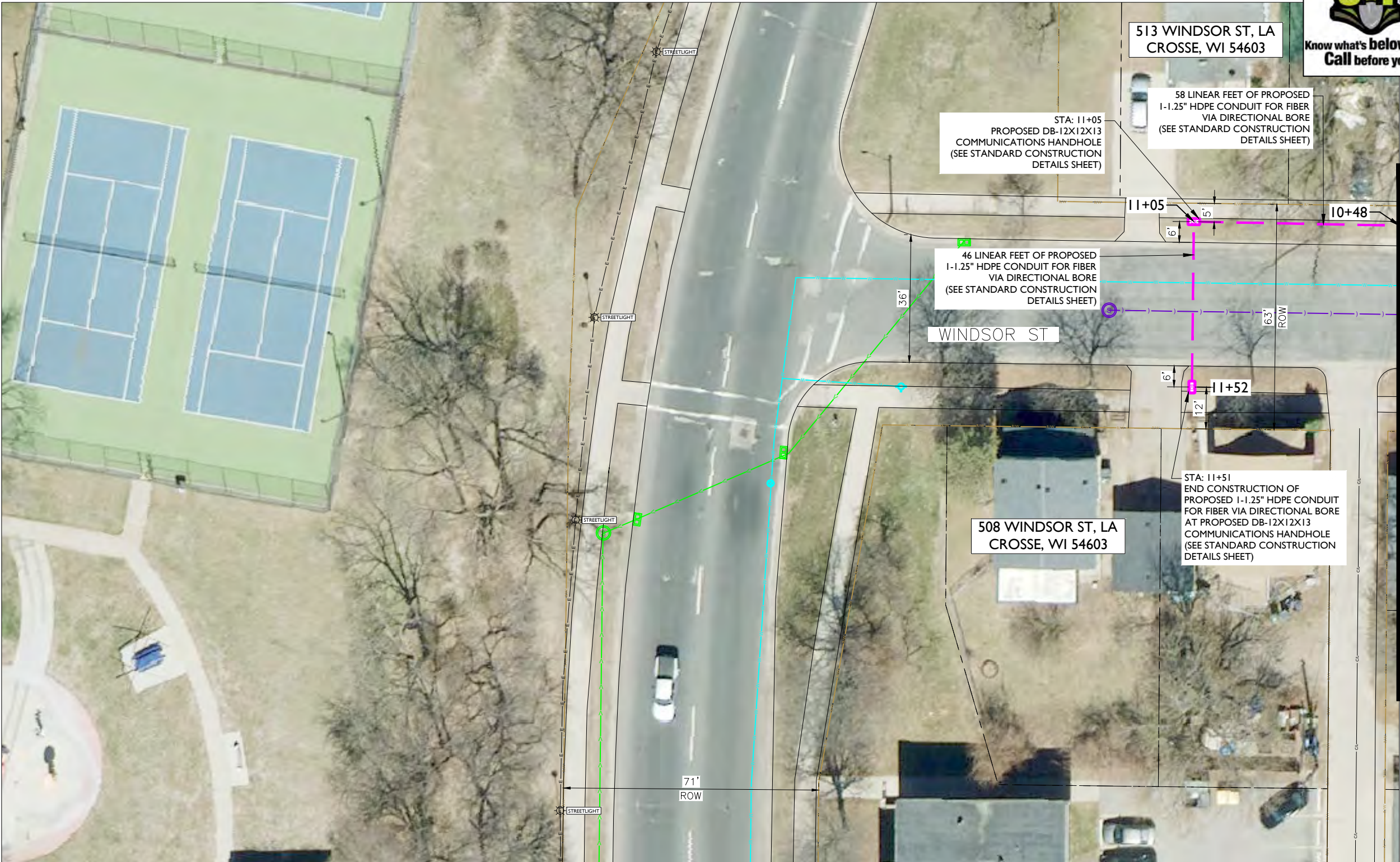
- NOTE:
- PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS
 - BURY AT 24" MIN. UNDER SOFT SURFACE
 - BURY AT 36" MIN. UNDER HARD SURFACE
 - MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.

NOTE:
PRIOR TO CONSTRUCTION ALL STREET LIGHT WIRING MUST BE PROPERLY LOCATED.

NOTE:
RIGHT-OF-WAY LINE SHOWN PER INFORMATION PROVIDED IN GIS FILE OBTAINED FROM LA CROSSE CITY

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





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3701 COMMUNICATIONS WAY
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www.fullerton-us.com

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TASK NAME
WILC032

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-40

- 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:
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NOTE:
RIGHT-OF-WAY LINE SHOWN PER INFORMATION PROVIDED IN GIS FILE OBTAINED FROM LA CROSSE CITY

NOTE:
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MATCHLINE — SHEET C-4



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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

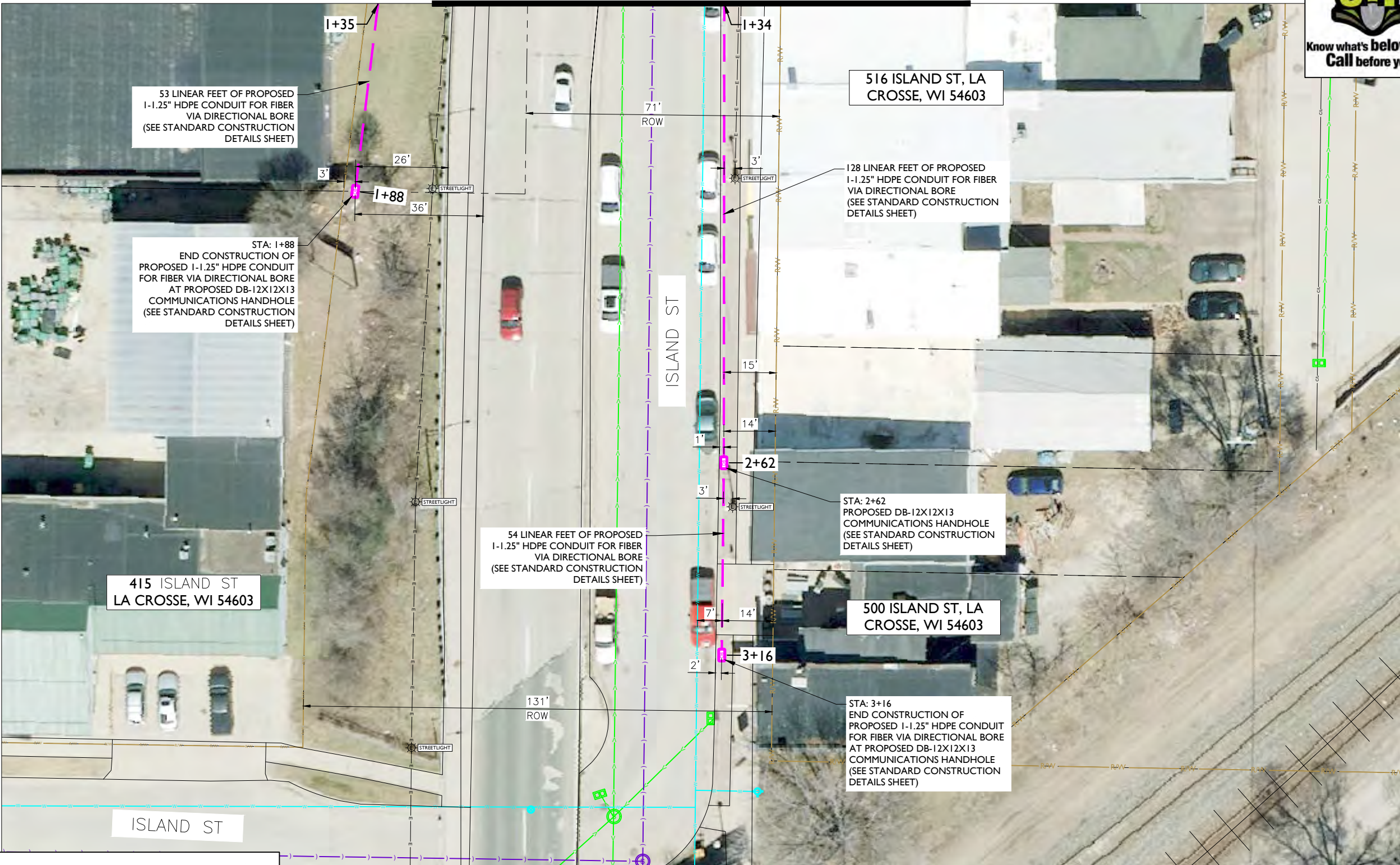
SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

C-41



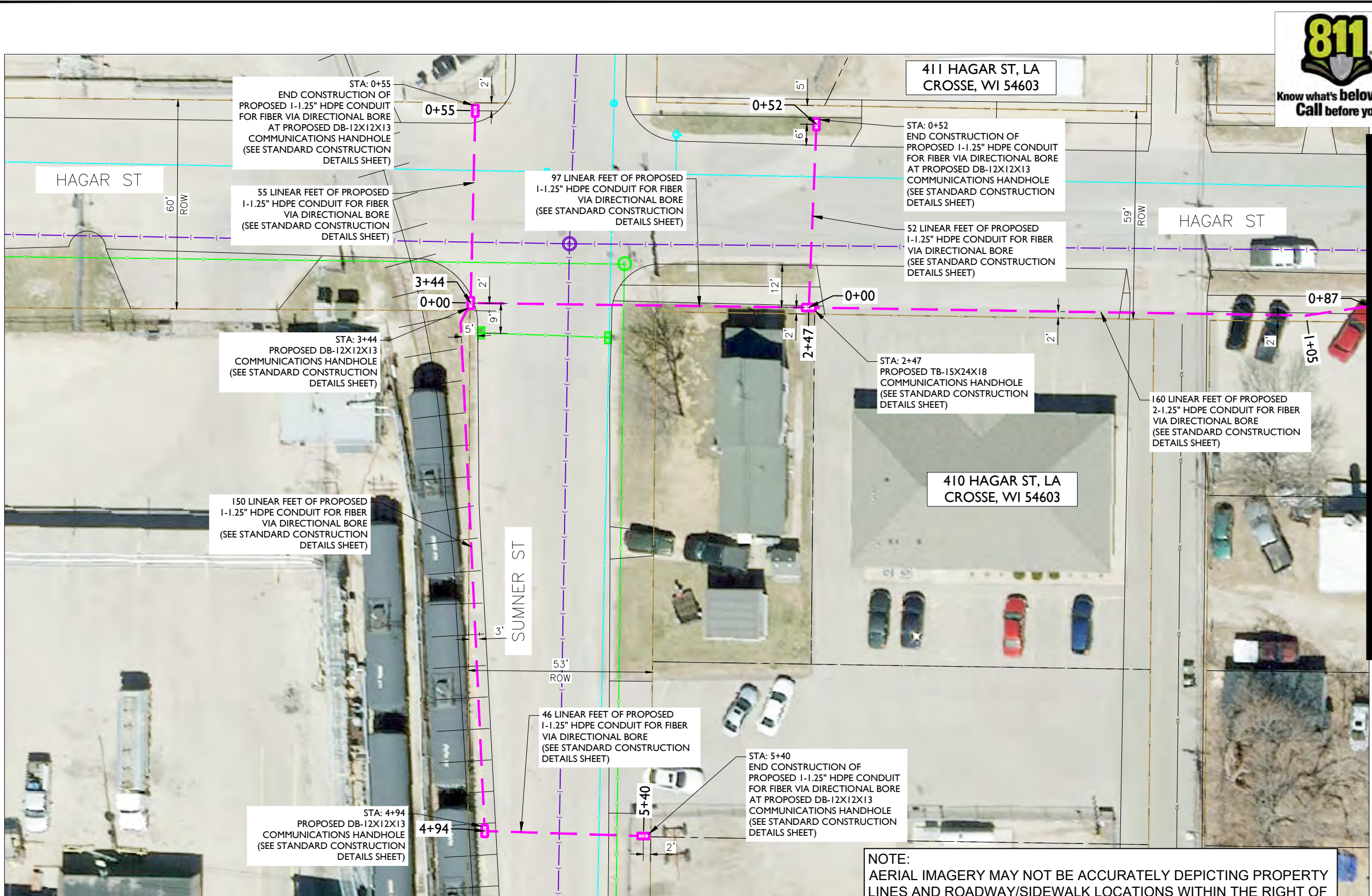
NOTE:
PLACEMENT OF UNDERGROUND CONDUIT AND OTHER PROPOSED STRUCTURES SHALL NOT IMPEDE MAINTENANCE AND/OR REPLACEMENT OF POLES OR OTHER RAILROAD EQUIPMENT.

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NOTE:
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NOTE:
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TASK NAME
WILC032

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-42

NOTE:
THE INTENT OF THIS DRAWING IS THAT ALL PROPOSED CONDUIT IS TO BE PLACED WITHIN SAID RIGHT-OF-WAY.

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

NOTE:
PLACEMENT OF UNDERGROUND CONDUIT AND OTHER PROPOSED STRUCTURES SHALL NOT IMPEDE MAINTENANCE AND/OR REPLACEMENT OF POLES OR OTHER RAILROAD EQUIPMENT.

NOTE:
PRIOR TO CONSTRUCTION ALL STREET LIGHT WIRING MUST BE PROPERLY LOCATED.

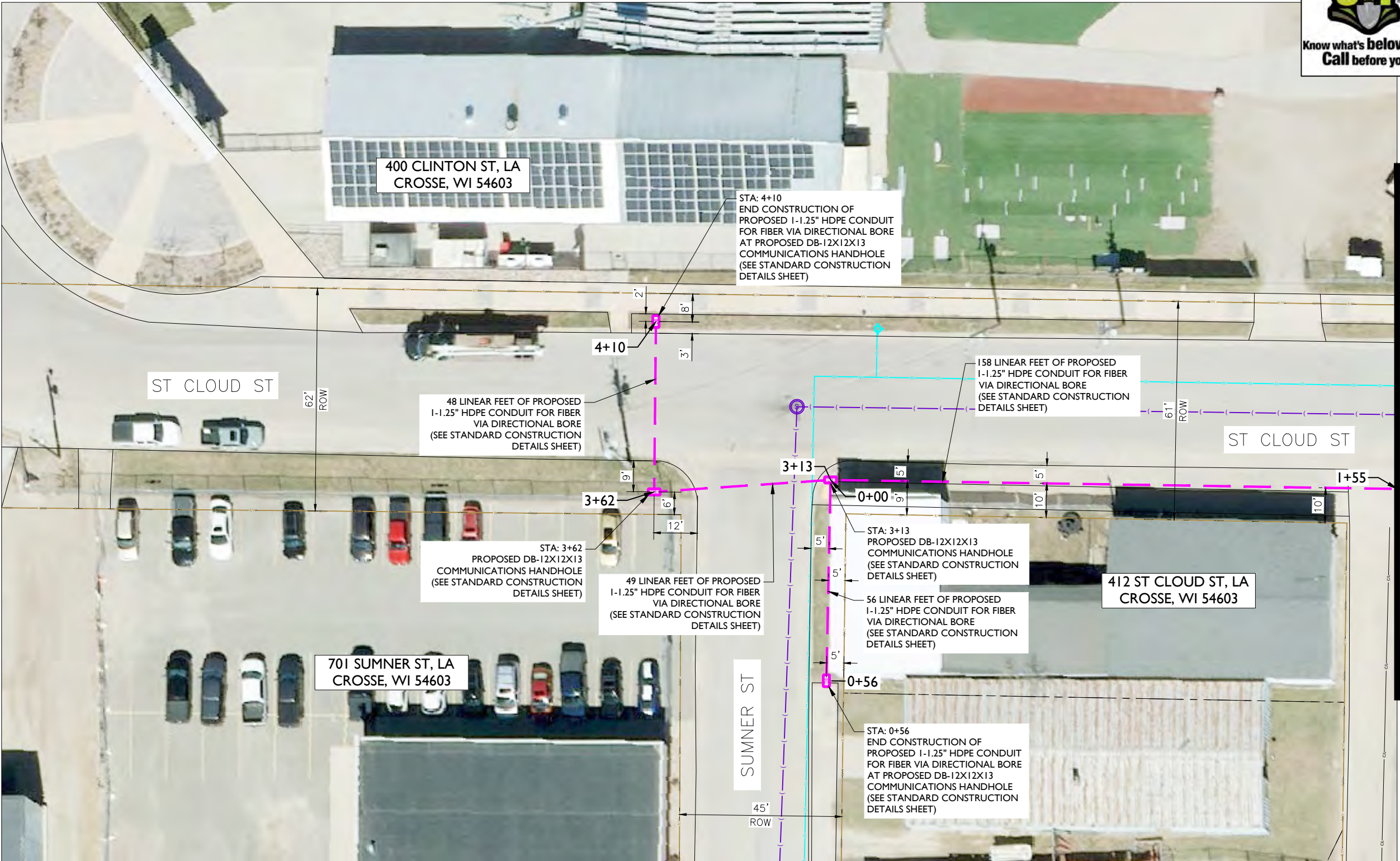
NOTE:
AERIAL IMAGERY MAY NOT BE ACCURATELY DEPICTING PROPERTY LINES AND ROADWAY/SIDEWALK LOCATIONS WITHIN THE RIGHT OF WAY, FIELD VERIFY ALL PROPERTY LINES PRIOR TO CONSTRUCTION.

NOTE:
RIGHT-OF-WAY LINE SHOWN PER INFORMATION PROVIDED IN GIS FILE OBTAINED FROM LA CROSSE CITY

NOTE:
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MATCHLINE - SHEET C-5



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COA# 3620-11
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TASK NAME
WILC032

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-43

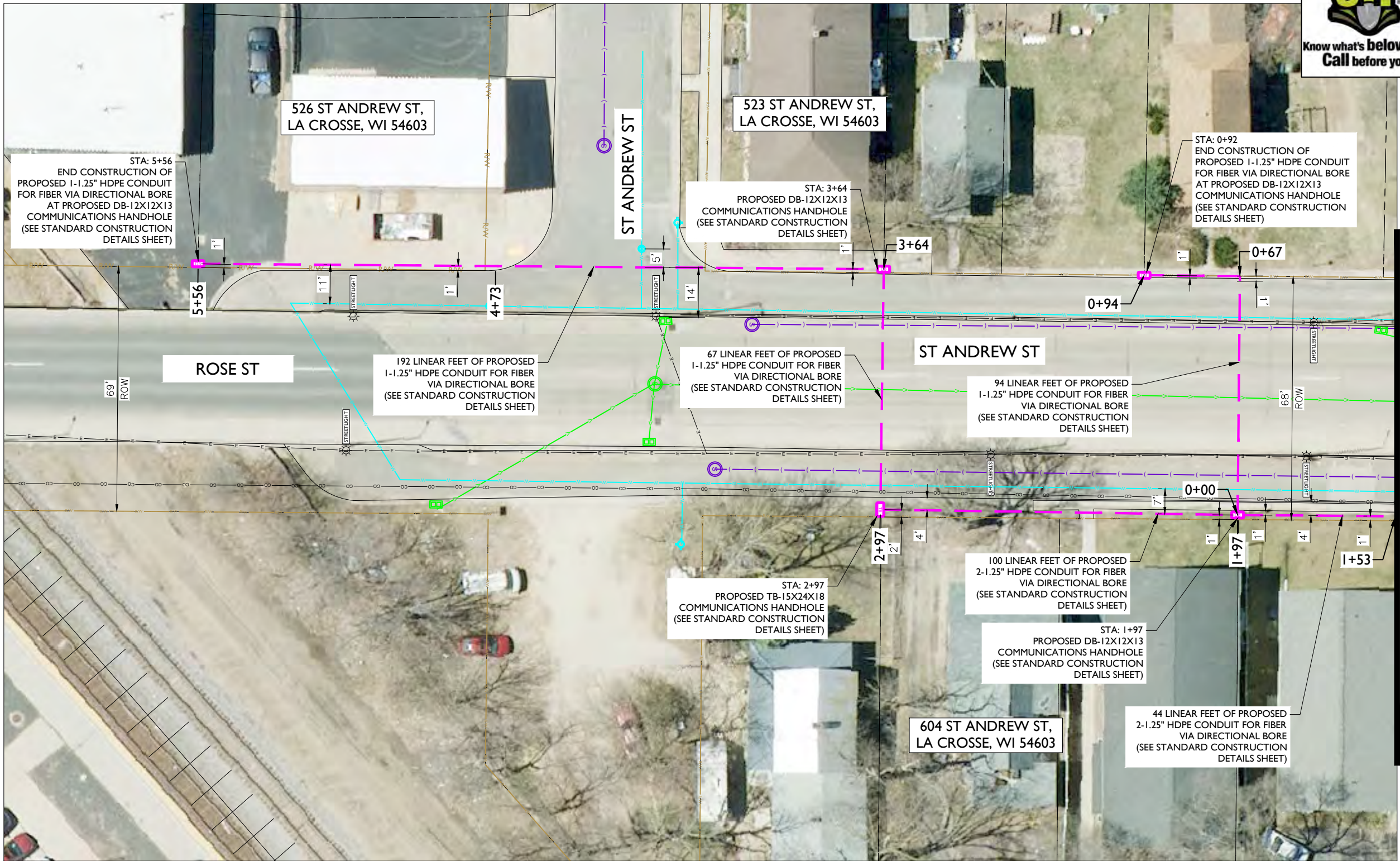
- NOTE:
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NOTE:
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NOTE:
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TASK NAME
WILC032

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-44

NOTE:
THE INTENT OF THIS DRAWING IS THAT ALL PROPOSED CONDUIT IS TO BE PLACED WITHIN SAID RIGHT-OF-WAY.

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

NOTE:
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NOTE:
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NOTE:
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NOTE:
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NOTE:

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TASK NAME
WILC032

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

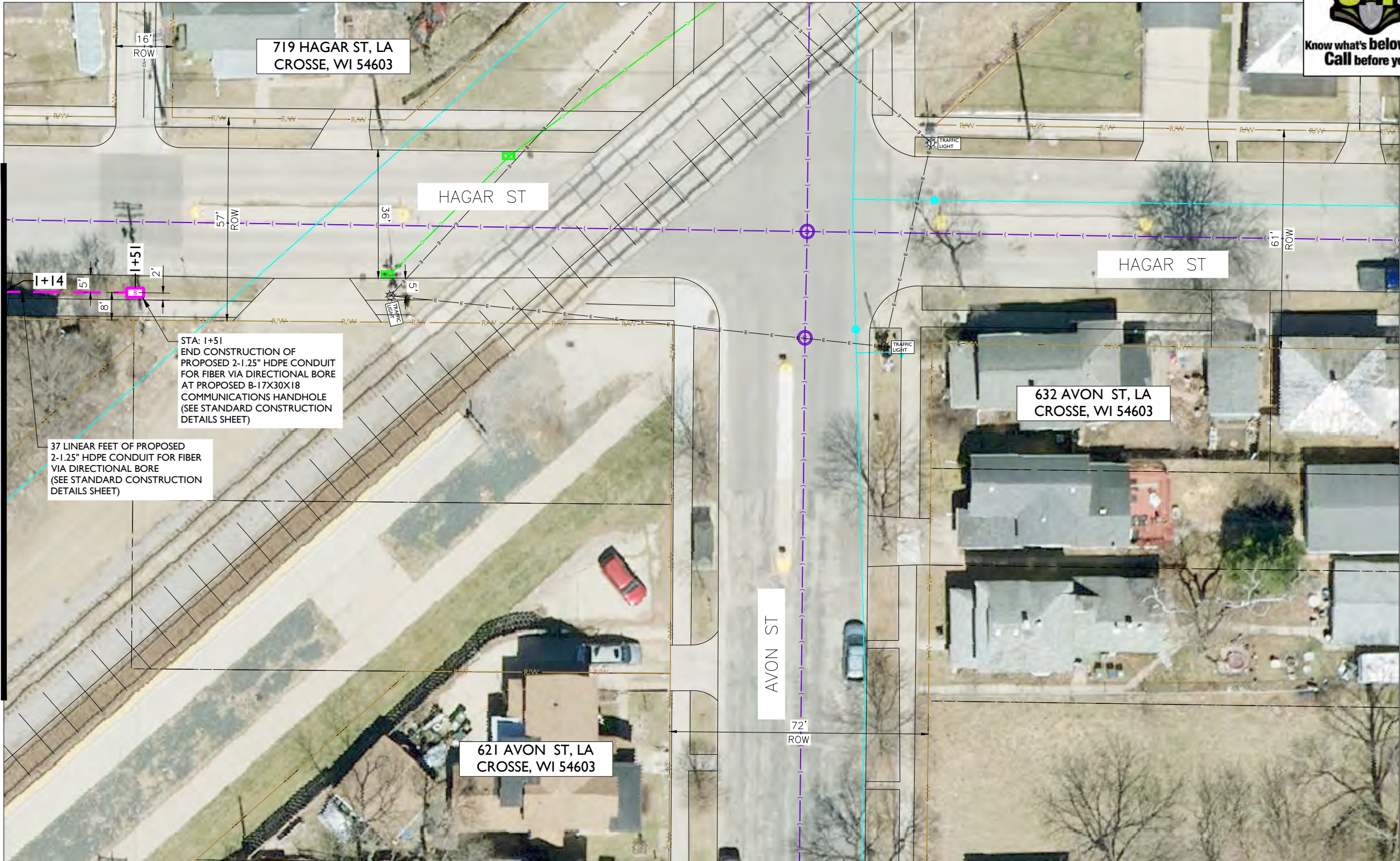
SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-45

MATCHLINE — SHEET C-24



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TASK NAME
WILC032

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-46

NOTE:
PLACEMENT OF UNDERGROUND CONDUIT AND OTHER PROPOSED STRUCTURES SHALL NOT IMPEDE MAINTENANCE AND/OR REPLACEMENT OF POLES OR OTHER RAILROAD EQUIPMENT.

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

NOTE:
PRIOR TO CONSTRUCTION ALL TRAFFIC SIGNAL WIRING AT THE INTERSECTION MUST BE PROPERLY LOCATED.

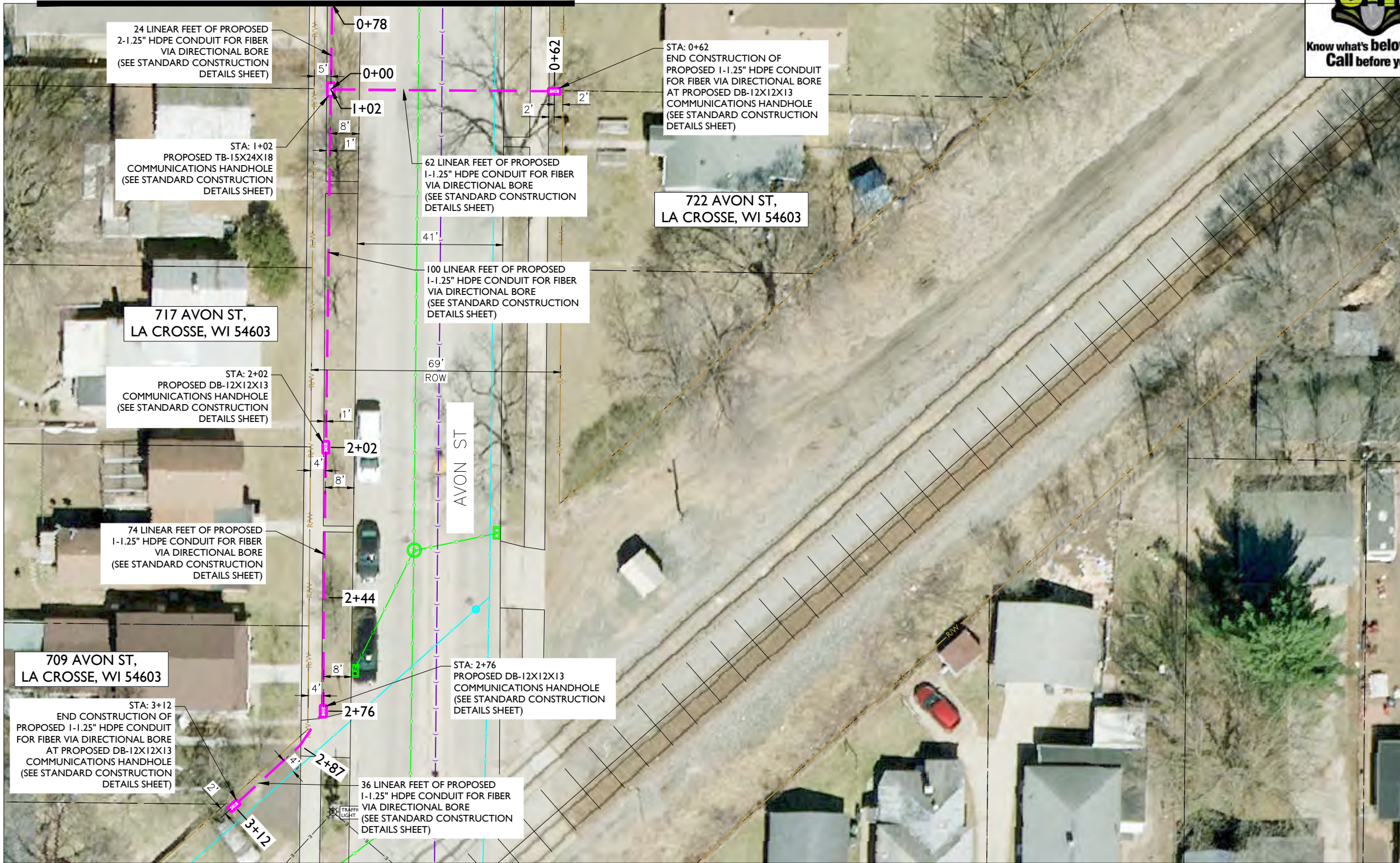
NOTE:
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NOTE:
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NOTE:
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MATCHLINE — SHEET C-27



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3701 COMMUNICATIONS WAY
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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

C-47

NOTE:
PLACEMENT OF UNDERGROUND CONDUIT AND OTHER PROPOSED STRUCTURES SHALL NOT IMPEDE MAINTENANCE AND/OR REPLACEMENT OF POLES OR OTHER RAILROAD EQUIPMENT.

- NOTE:
- PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS
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NOTE:
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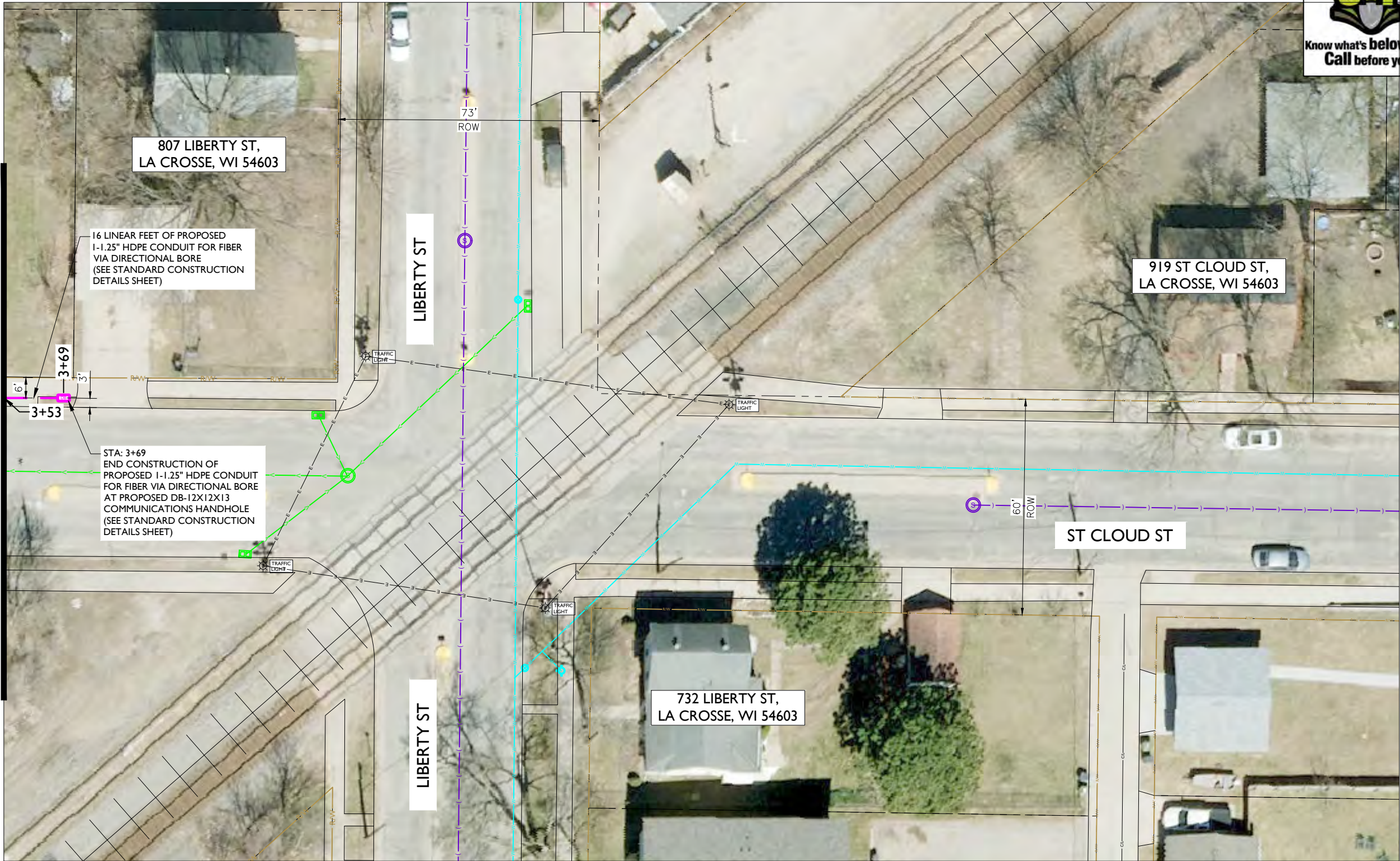
NOTE:
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NOTE:
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NOTE:
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MATCHLINE — SHEET C-27



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TASK NAME
WILC032

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-48

NOTE:
PLACEMENT OF UNDERGROUND CONDUIT AND OTHER PROPOSED STRUCTURES SHALL NOT IMPEDE MAINTENANCE AND/OR REPLACEMENT OF POLES OR OTHER RAILROAD EQUIPMENT.

- NOTE:
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NOTE:
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NOTE:
PRIOR TO CONSTRUCTION ALL STREET LIGHT WIRING MUST BE PROPERLY LOCATED.

NOTE:
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NOTE:
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MATCHLINE — SHEET C-50



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DESIGN DEVELOP CONSTRUCT

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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

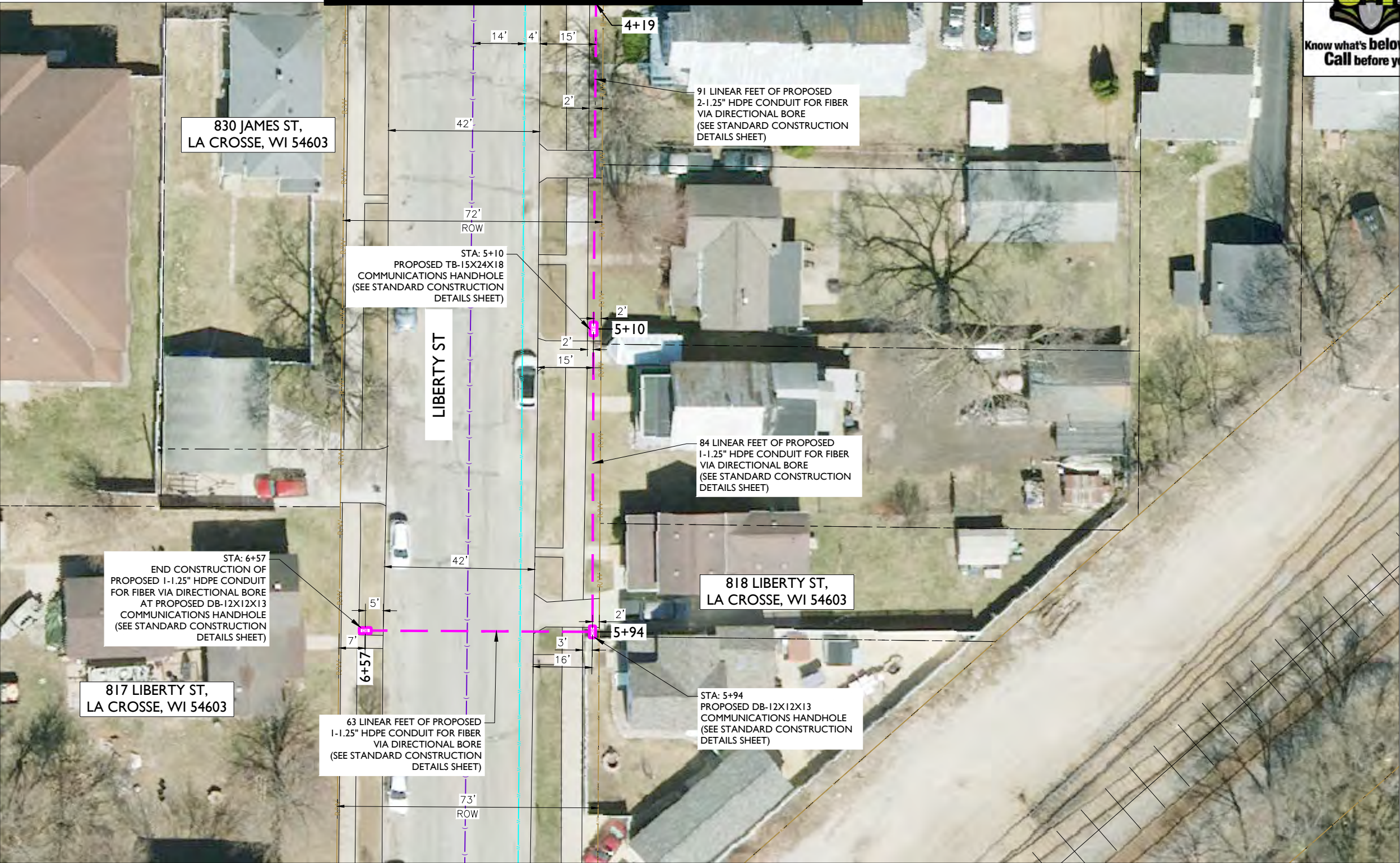
GRID NUMBER

SHEET NUMBER

C-49



PROJECT# 2023.0119.0000



NOTE:
PLACEMENT OF UNDERGROUND CONDUIT AND OTHER PROPOSED STRUCTURES SHALL NOT IMPEDE MAINTENANCE AND/OR REPLACEMENT OF POLES OR OTHER RAILROAD EQUIPMENT.

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MATCHLINE — SHEET C-14



metronet

3701 COMMUNICATIONS WAY
EVANSVILLE, IN, 47715Fullerton
DESIGN DEVELOP CONSTRUCT1100 E. WOODFIELD ROAD, SUITE 500
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TEL: 847-908-8400
COA# 3620-11
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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

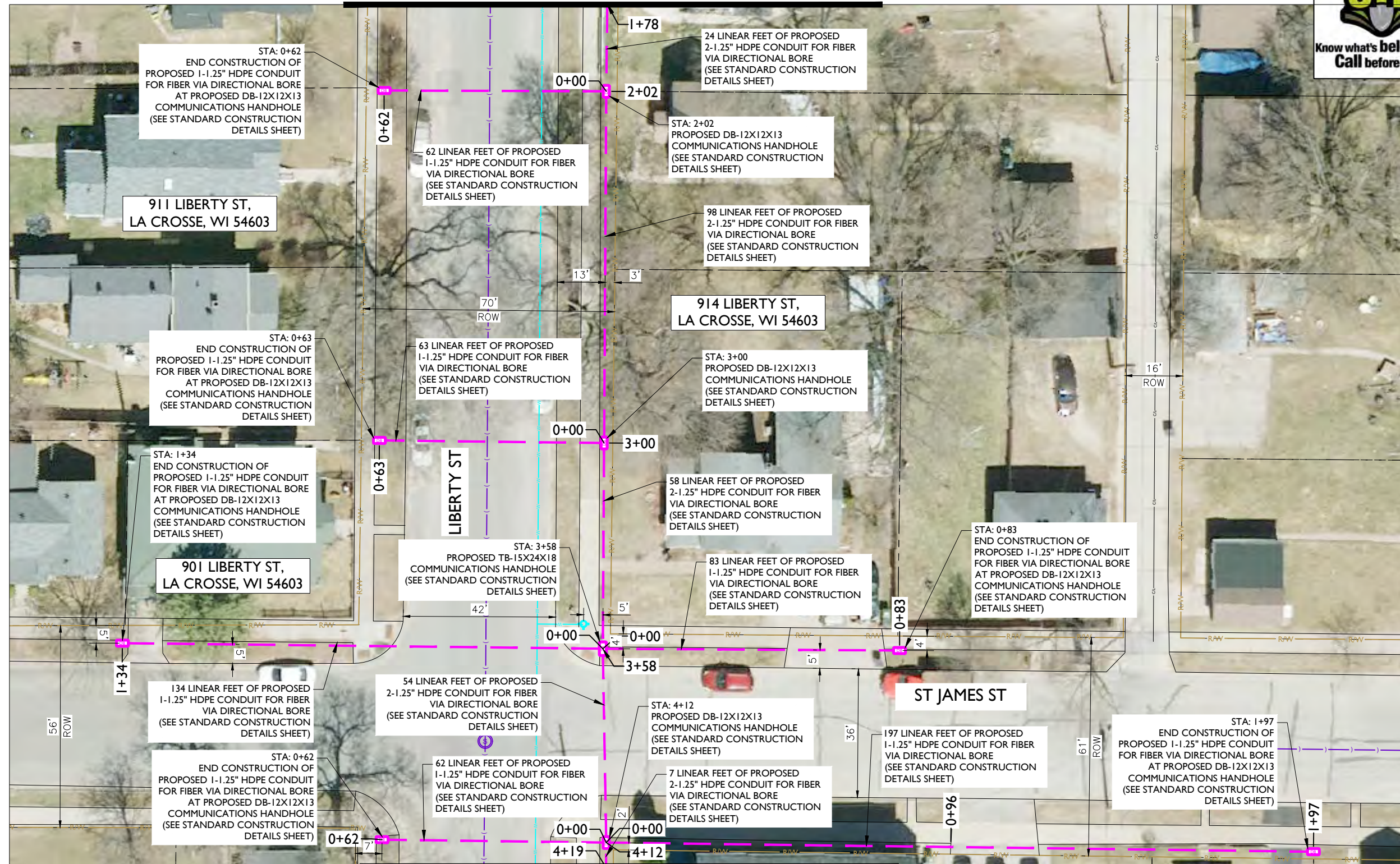
GRID NUMBER

SHEET NUMBER

C-50



PROJECT# 2023.0119.0000



MATCHLINE — SHEET C-49

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:

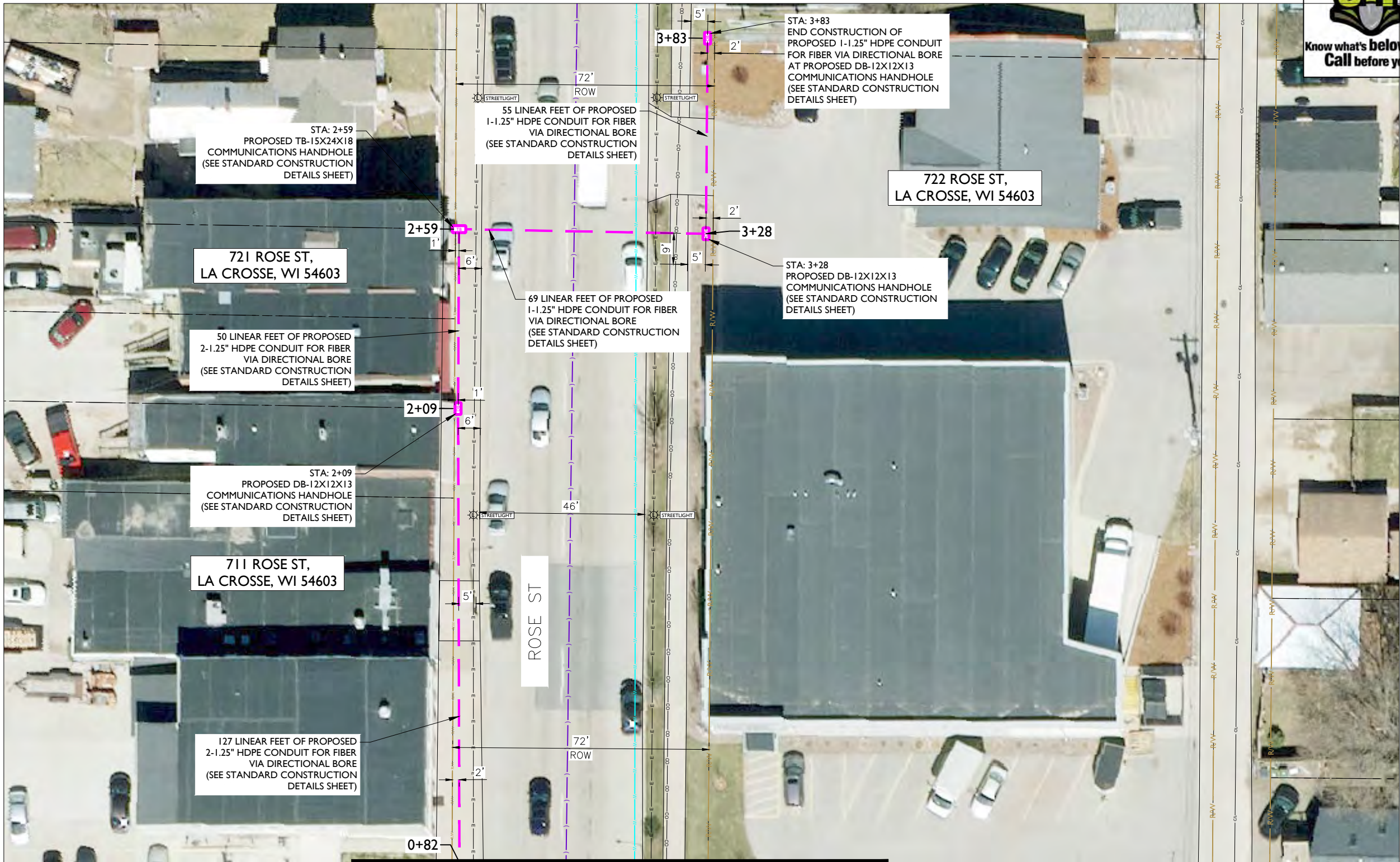
PRIOR TO CONSTRUCTION ALL STREET LIGHT WIRING MUST BE PROPERLY LOCATED.

NOTE:

RIGHT-OF-WAY LINE SHOWN PER INFORMATION PROVIDED IN GIS FILE OBTAINED FROM LA CROSSE CITY

NOTE:

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



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3701 COMMUNICATIONS WAY
EVANSVILLE, IN, 47715



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www.fullerton-us.com

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TASK NAME
WILC032

TASK DESCRIPTION
**FIBER OPTIC CONDUIT
PLACEMENT**

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-51

NOTE:
THE INTENT OF THIS DRAWING IS THAT ALL PROPOSED CONDUIT IS TO BE PLACED WITHIN SAID RIGHT-OF-WAY.

- 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:
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NOTE:
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MATCHLINE — SHEET C-53

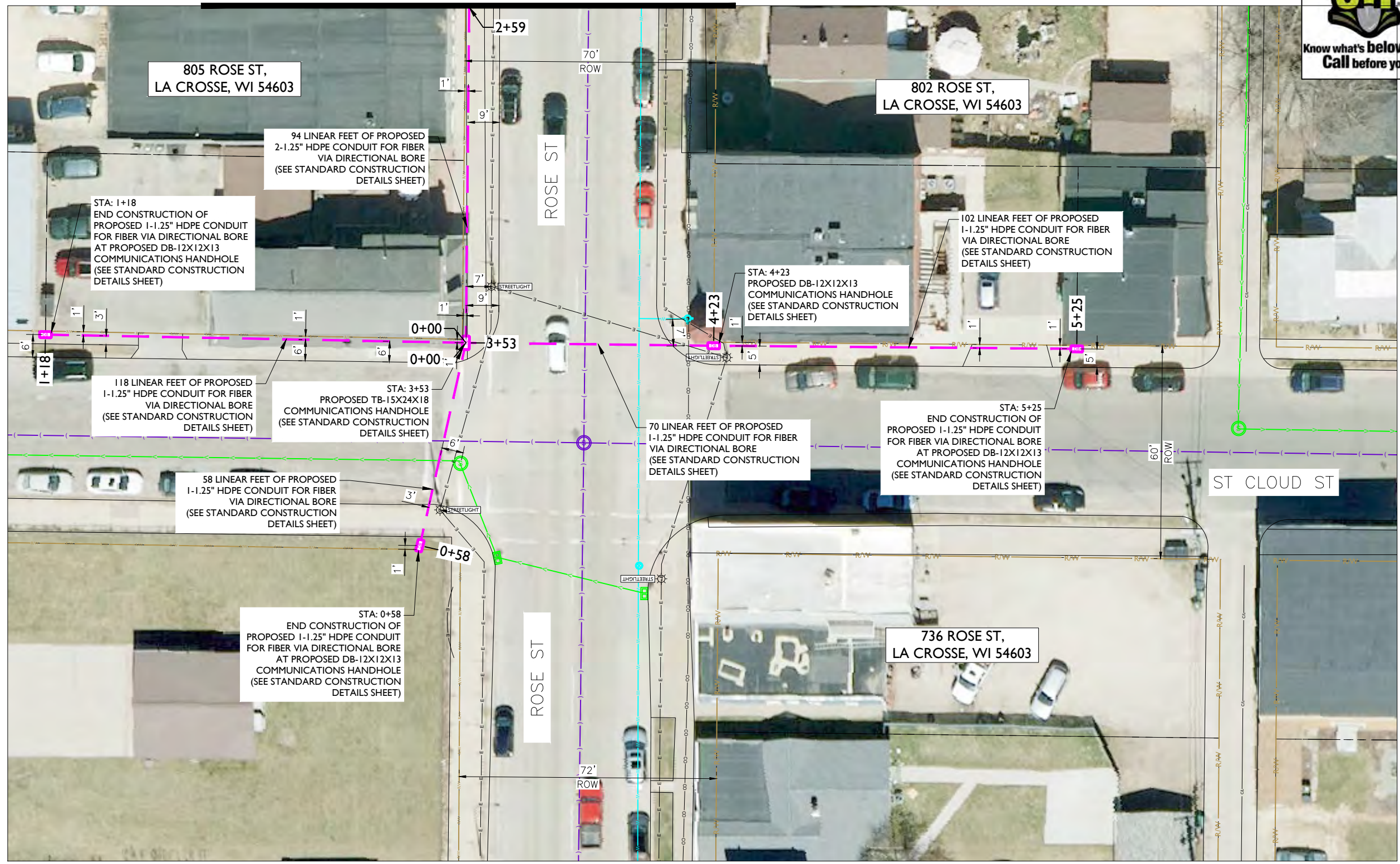


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NOTE:

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NOTE:

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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

C-52

MATCHLINE — SHEET C-10



metronet

3701 COMMUNICATIONS WAY
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Fullerton
DESIGN DEVELOP CONSTRUCT

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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

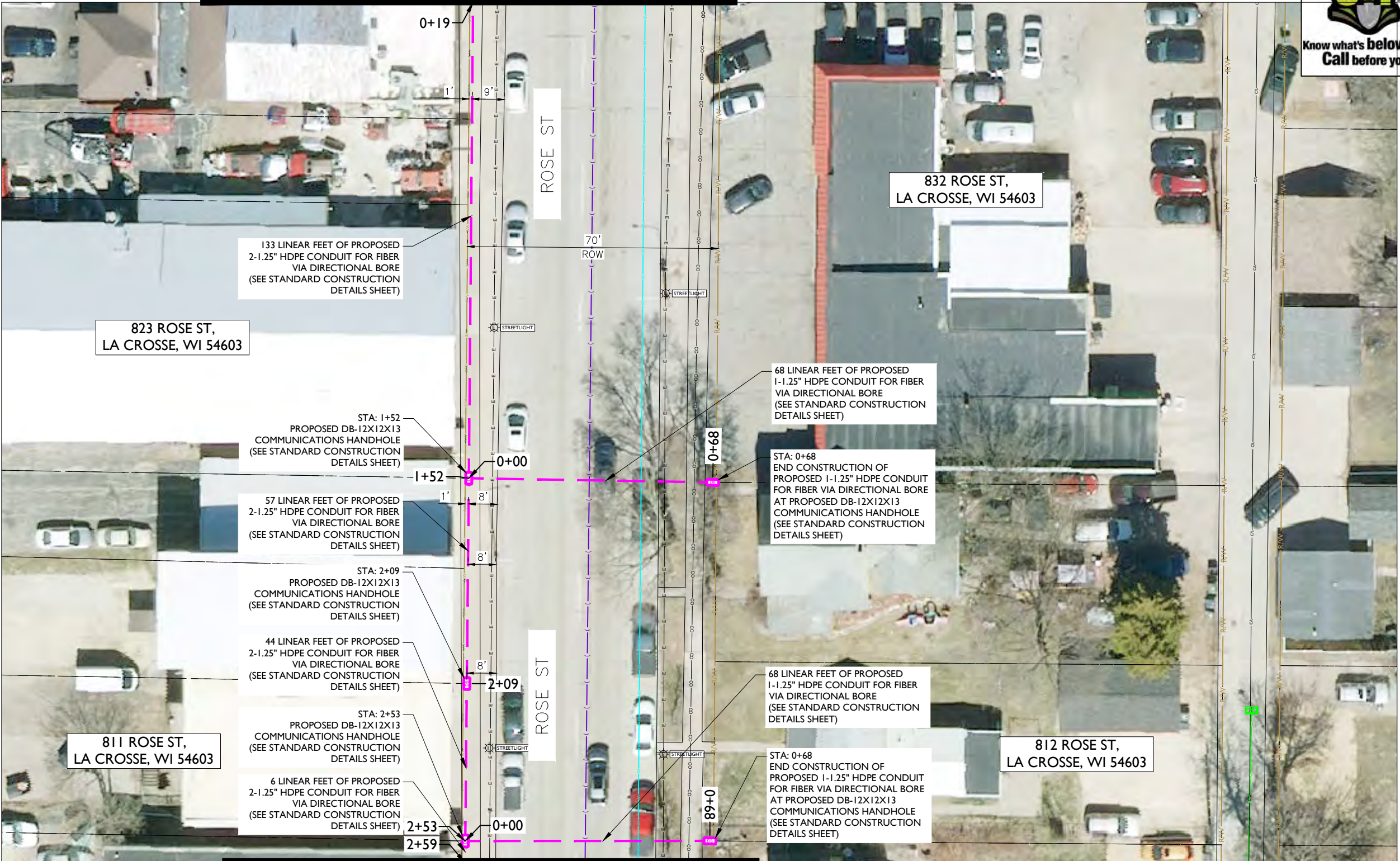
GRID NUMBER

SHEET NUMBER

C-53



PROJECT# 2023.0119.0000



MATCHLINE — SHEET C-52

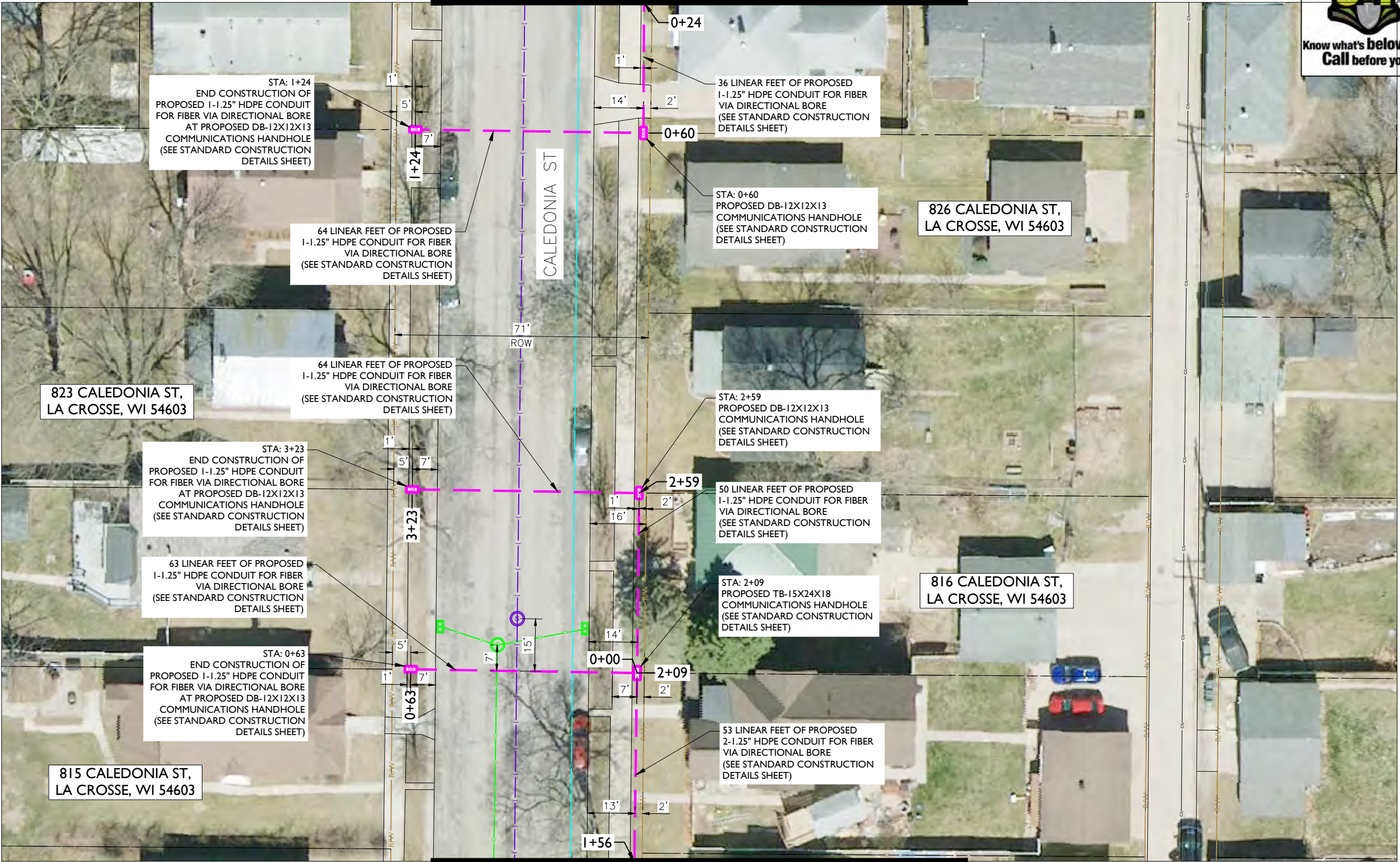
- NOTE:
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 - BURY AT 36" MIN. UNDER HARD SURFACE
 - MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.

NOTE:
PRIOR TO CONSTRUCTION ALL STREET LIGHT
WIRING MUST BE PROPERLY LOCATED.

NOTE:
RIGHT-OF-WAY LINE SHOWN PER INFORMATION PROVIDED IN GIS
FILE OBTAINED FROM LA CROSSE CITY

NOTE:
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STORM AND SANITARY INLETS, MANHOLES AND CATCH BASINS.

MATCHLINE — SHEET C-11



MATCHLINE — SHEET C-26

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

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

C-54

MATCHLINE — SHEET C-56



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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

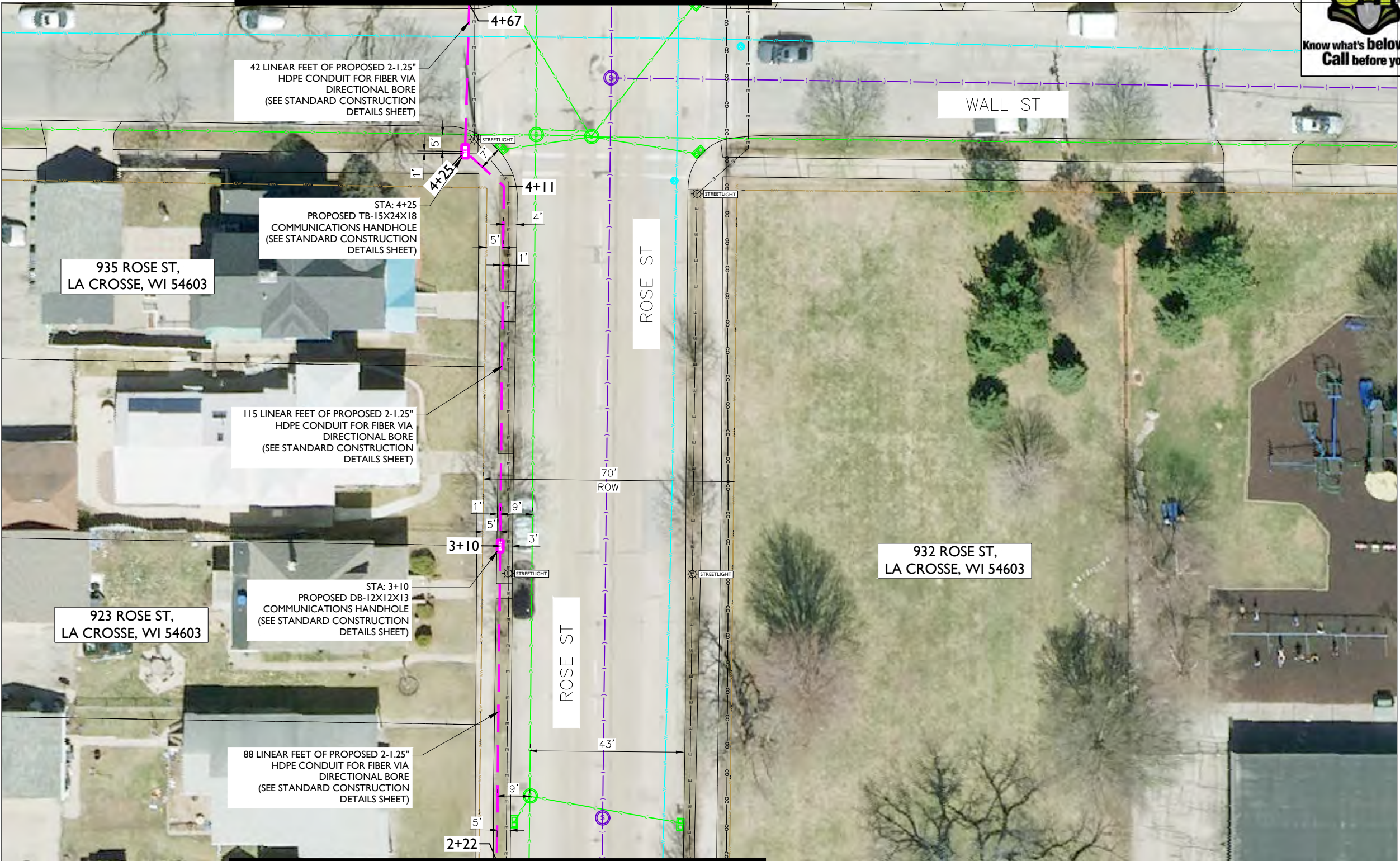
GRID NUMBER

SHEET NUMBER

C-55



PROJECT# 2023.0119.0000



MATCHLINE — SHEET C-10

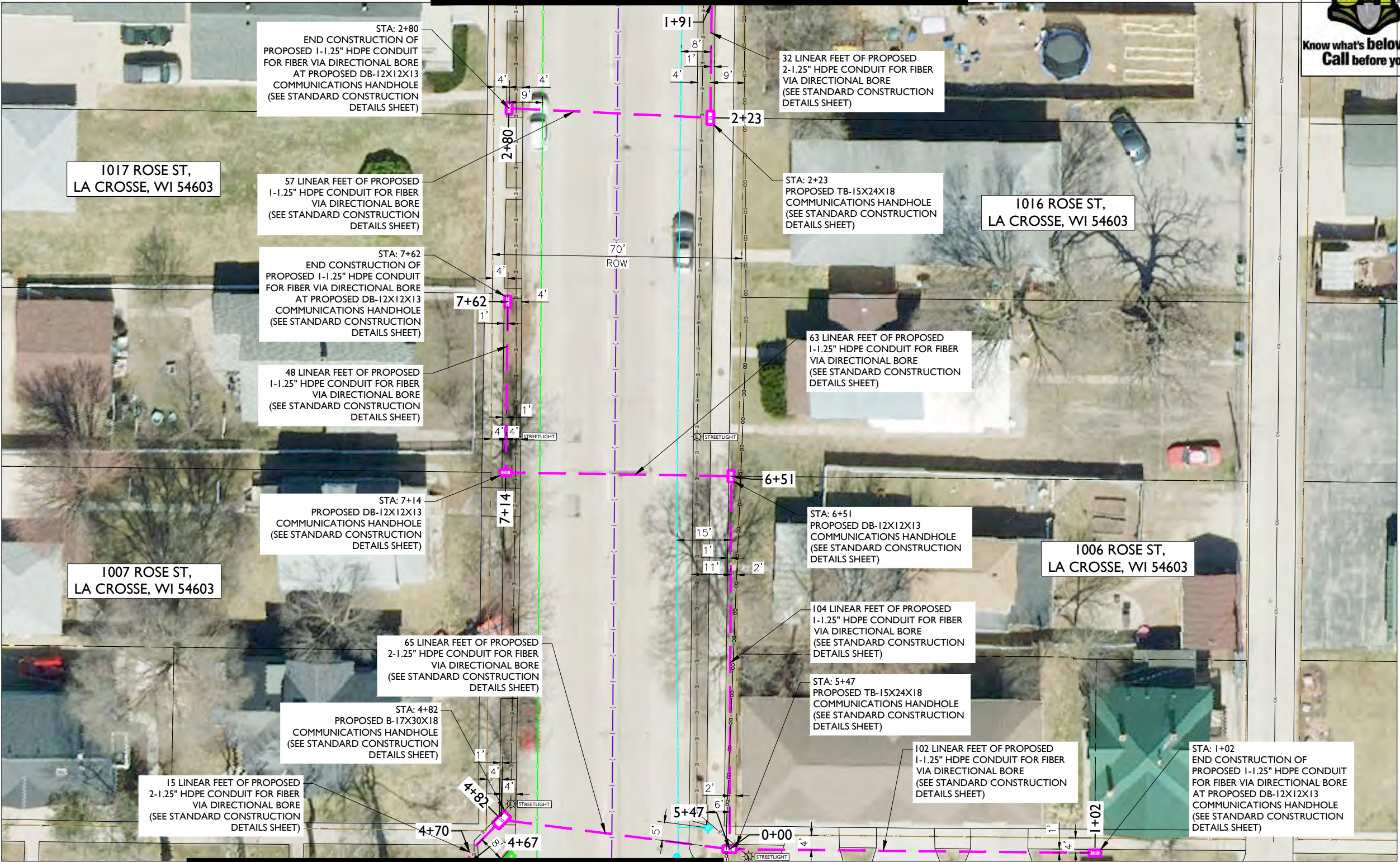
- NOTE:
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 - BURY AT 24" MIN. UNDER SOFT SURFACE
 - BURY AT 36" MIN. UNDER HARD SURFACE
 - MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.

NOTE:
PRIOR TO CONSTRUCTION ALL STREET LIGHT
WIRING MUST BE PROPERLY LOCATED.

NOTE:
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FILE OBTAINED FROM LA CROSSE CITY

NOTE:
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STORM AND SANITARY INLETS, MANHOLES AND CATCH BASINS.

MATCHLINE — SHEET C-39



MATCHLINE — SHEET C-55

NOTE:

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

NOTE:

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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

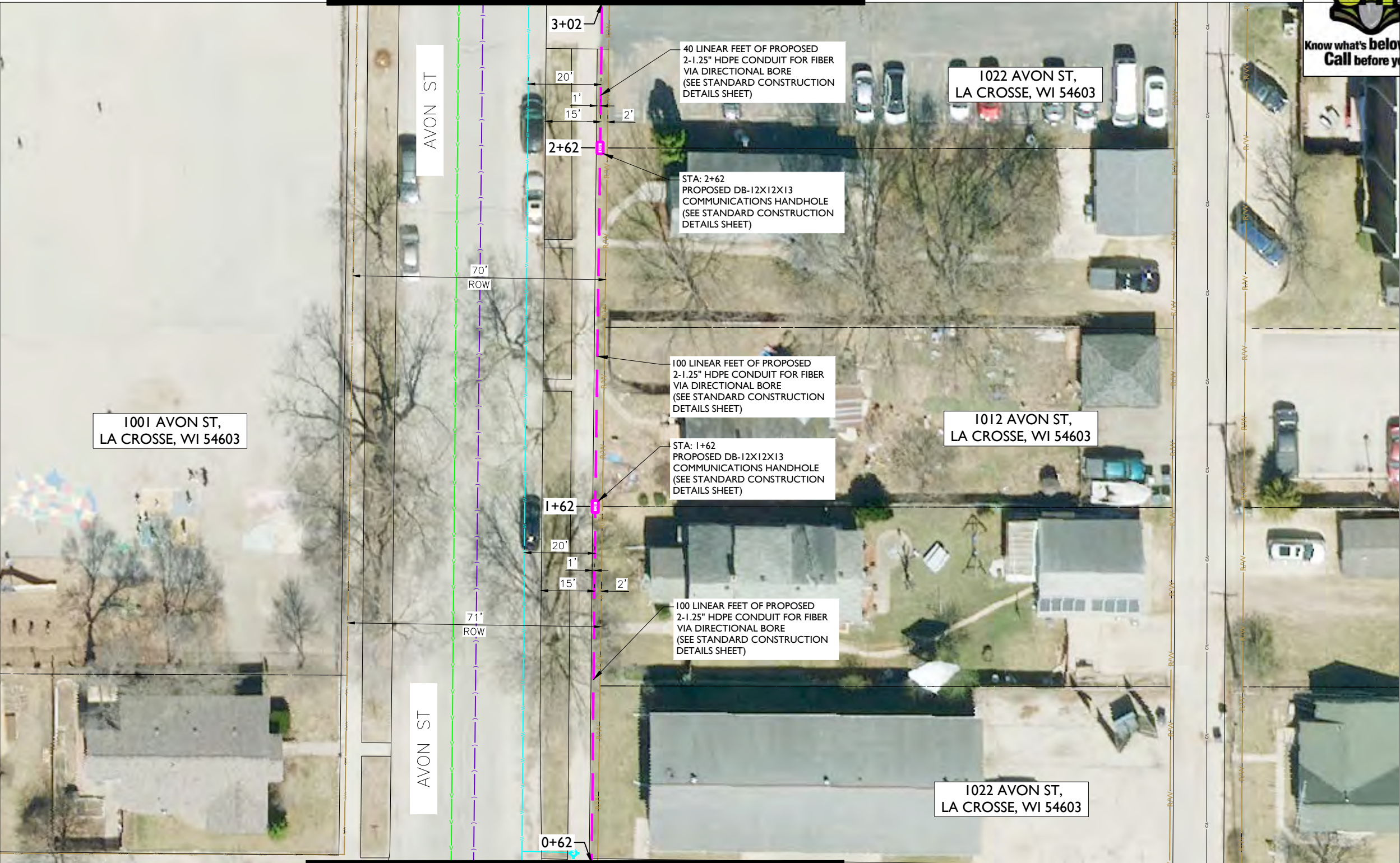
GRID NUMBER

SHEET NUMBER

C-56



MATCHLINE — SHEET C-58



MATCHLINE — SHEET C-13

NOTE:

- PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS
- BURY AT 24" MIN. UNDER SOFT SURFACE
- BURY AT 36" MIN. UNDER HARD SURFACE
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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

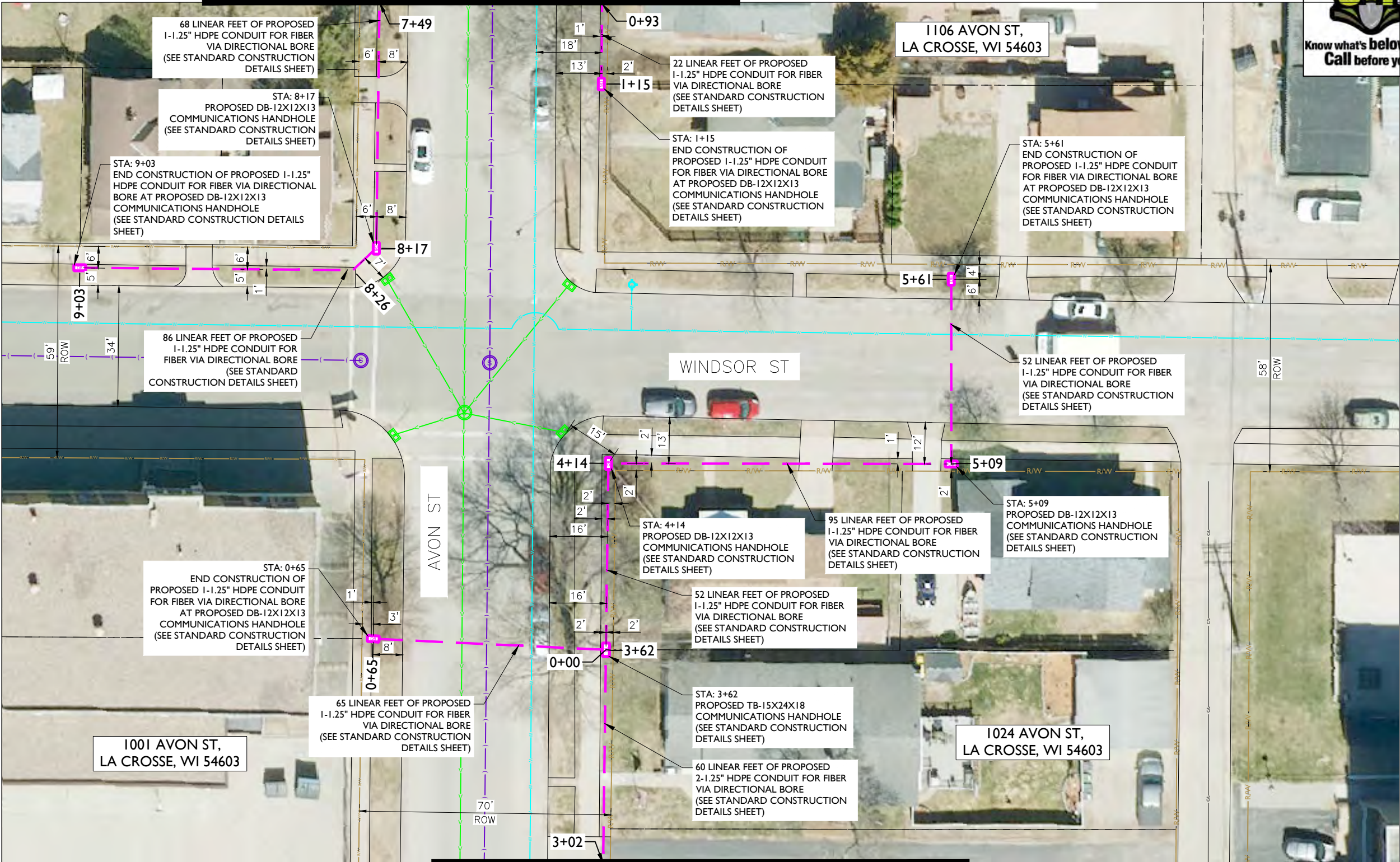
GRID NUMBER

SHEET NUMBER

C-57



MATCHLINE — SHEET C-61



MATCHLINE — SHEET C-57

- 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:
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NOTE:
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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

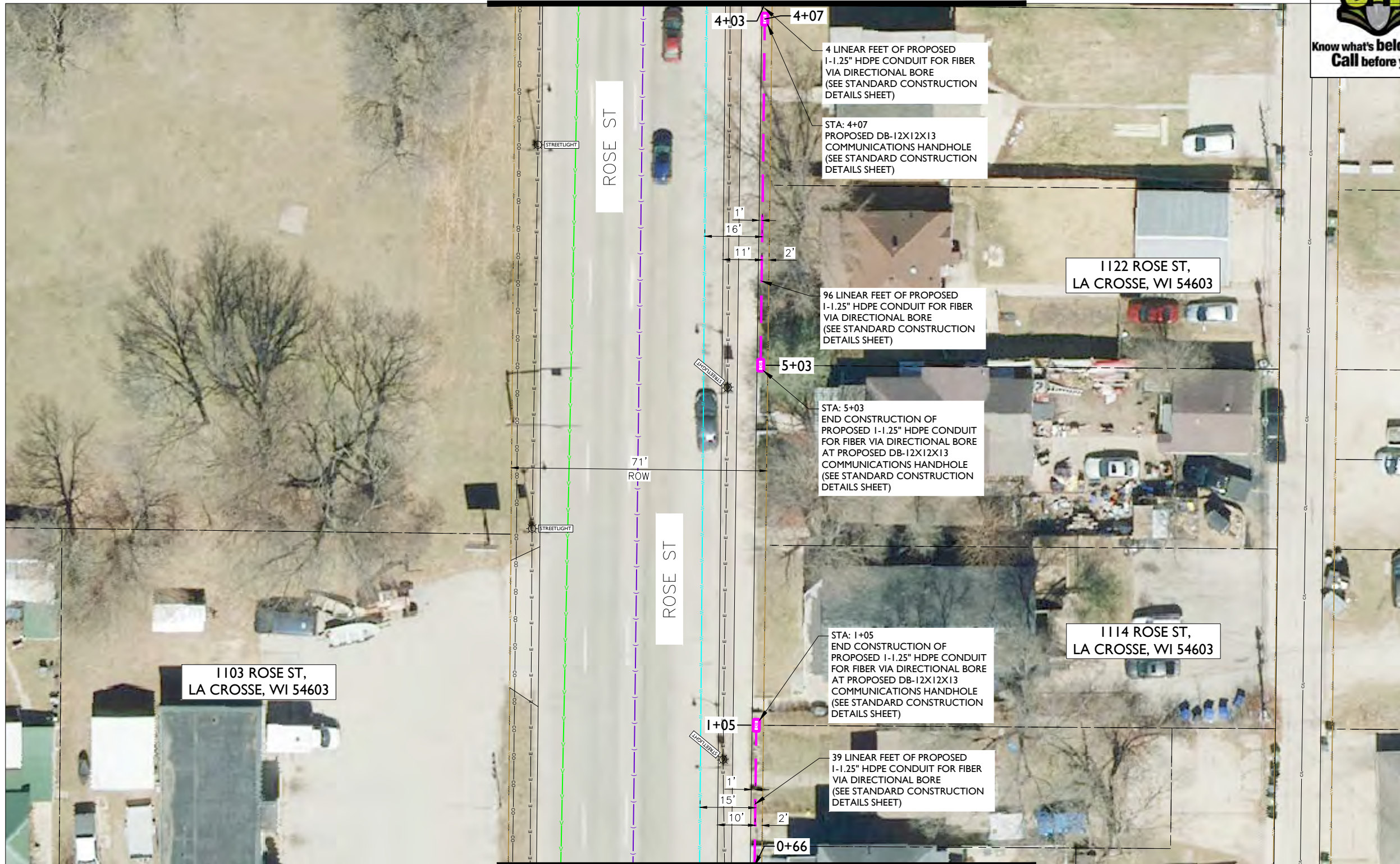
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

C-58

MATCHLINE — SHEET C-64



MATCHLINE — SHEET C-39

- NOTE:
- PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS
 - BURY AT 24" MIN. UNDER SOFT SURFACE
 - BURY AT 36" MIN. UNDER HARD SURFACE
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NOTE:
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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

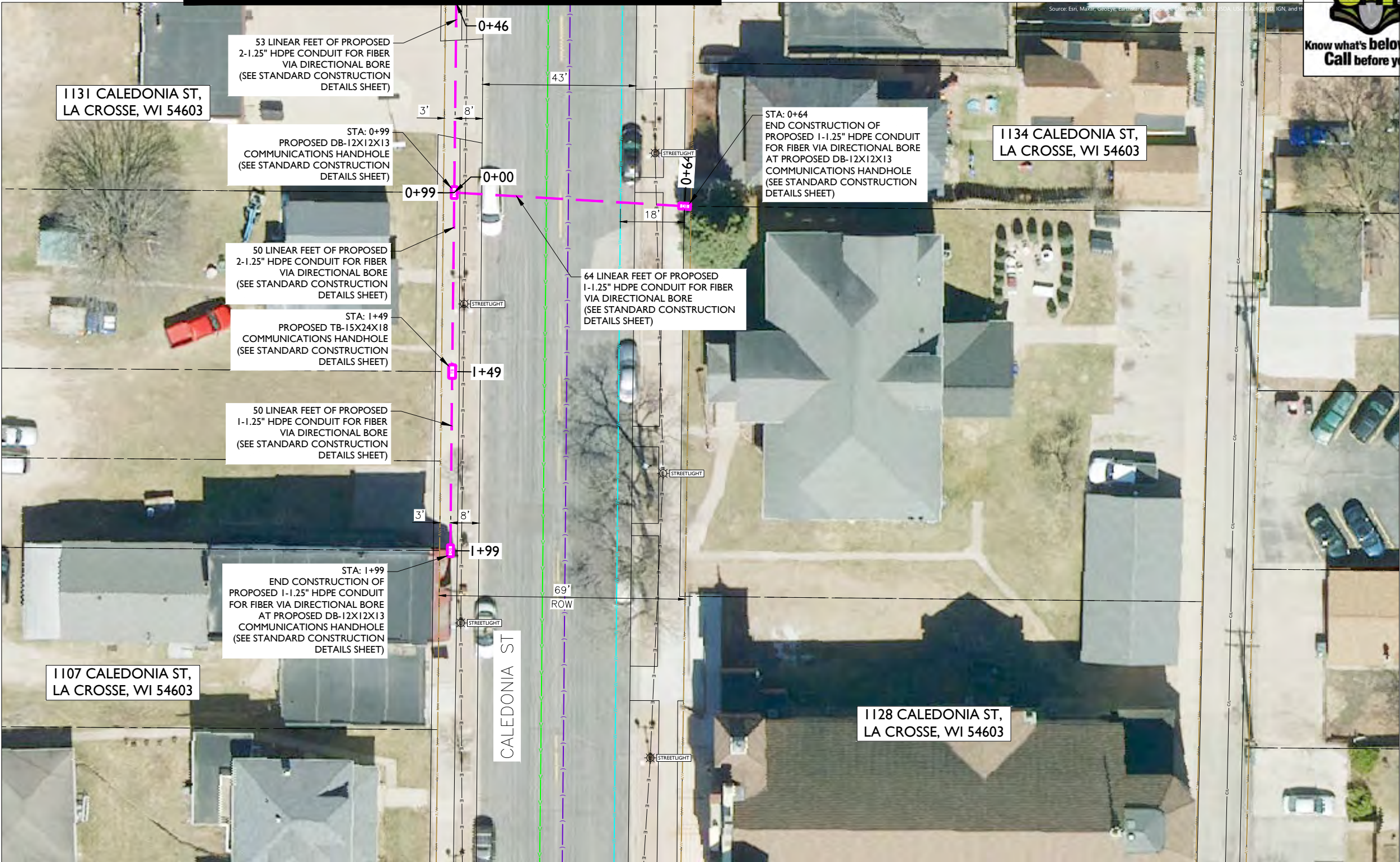
GRID NUMBER

SHEET NUMBER

C-59



MATCHLINE — SHEET C-31



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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

C-60

NOTE:

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

NOTE:

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NOTE:

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MATCHLINE — SHEET C-30



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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

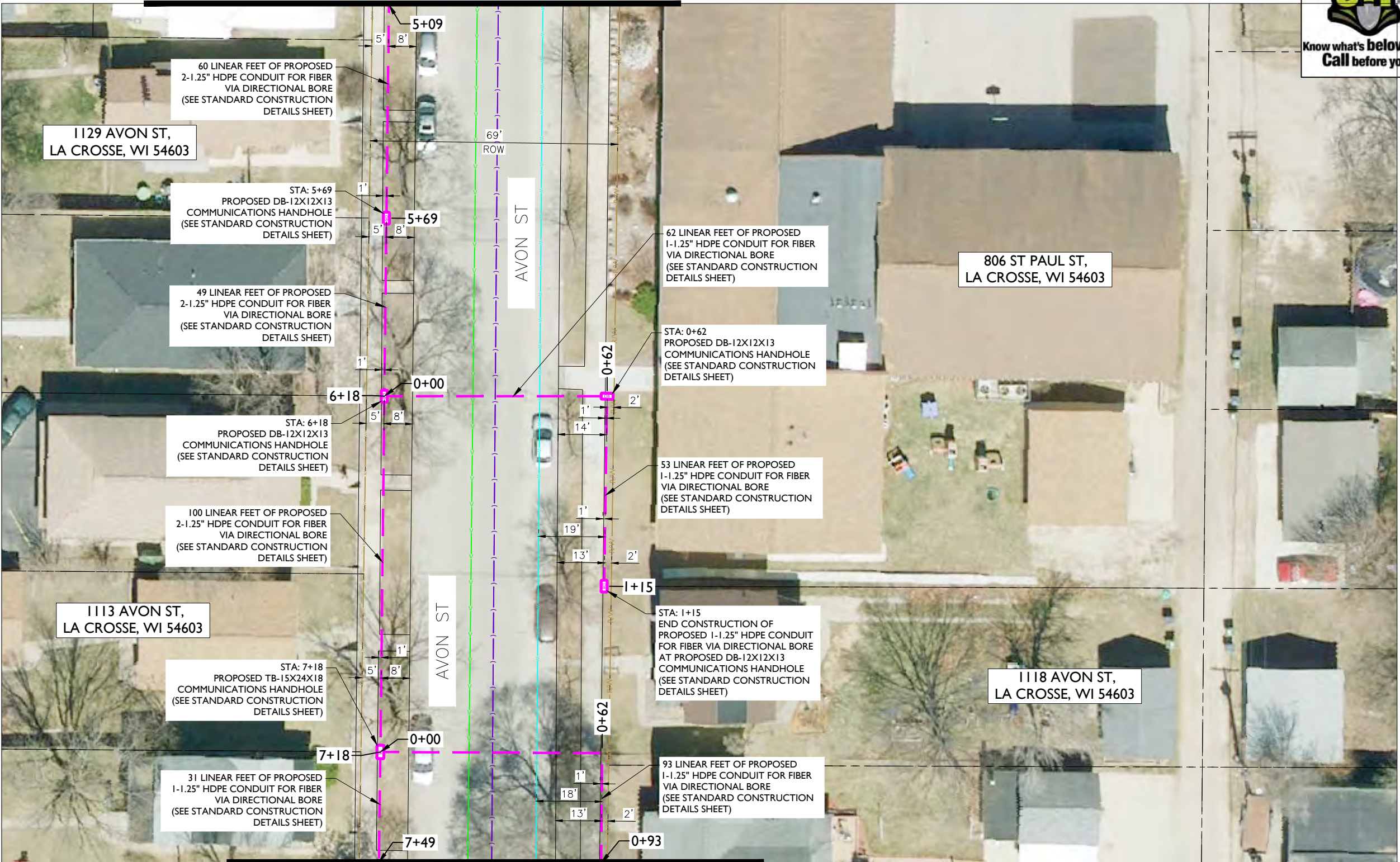
GRID NUMBER

SHEET NUMBER

C-61



PROJECT# 2023.0119.0000



MATCHLINE — SHEET C-58

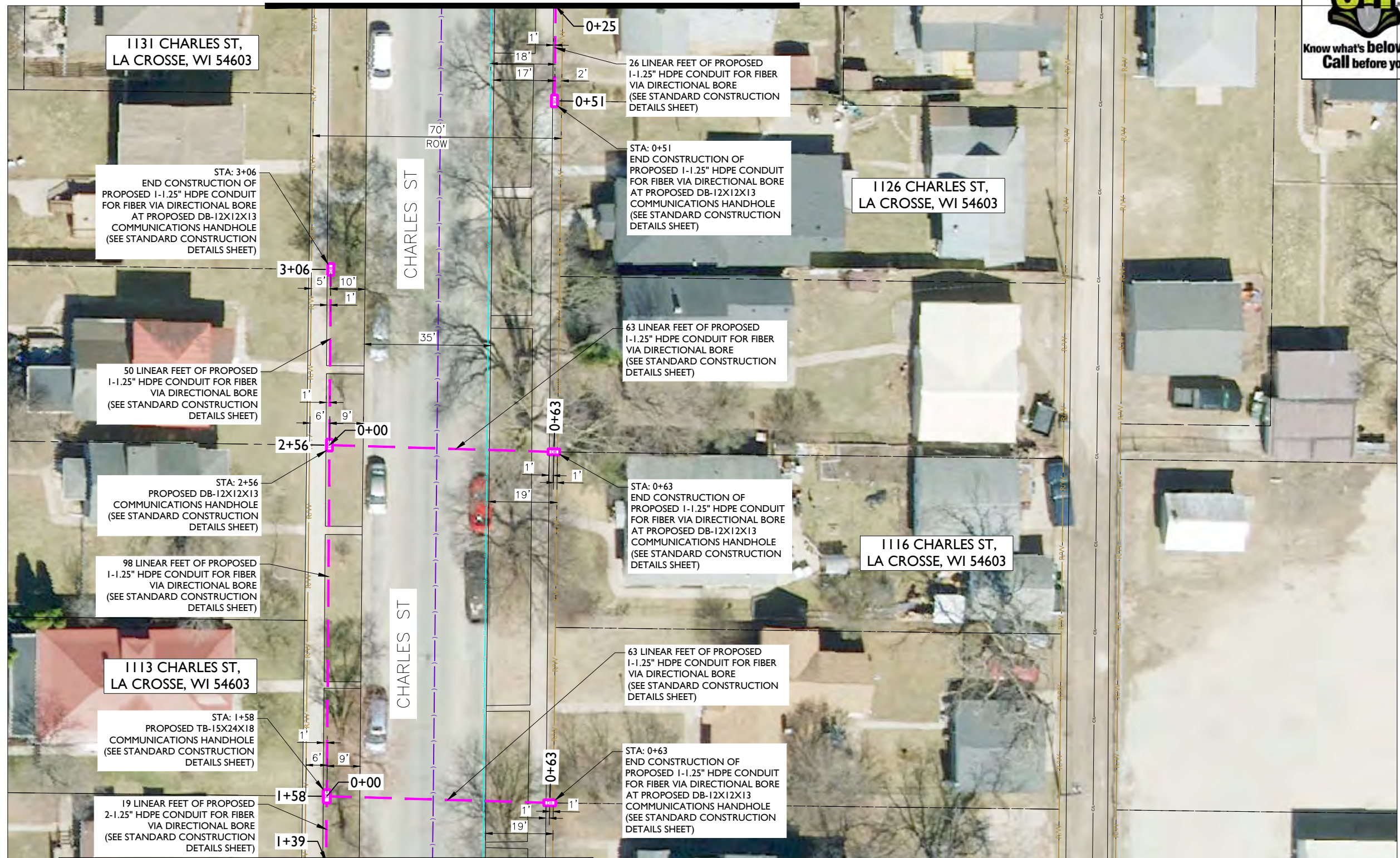
- NOTE:
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MATCHLINE — SHEET C-19



MATCHLINE — SHEET C-34

NOTE:

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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

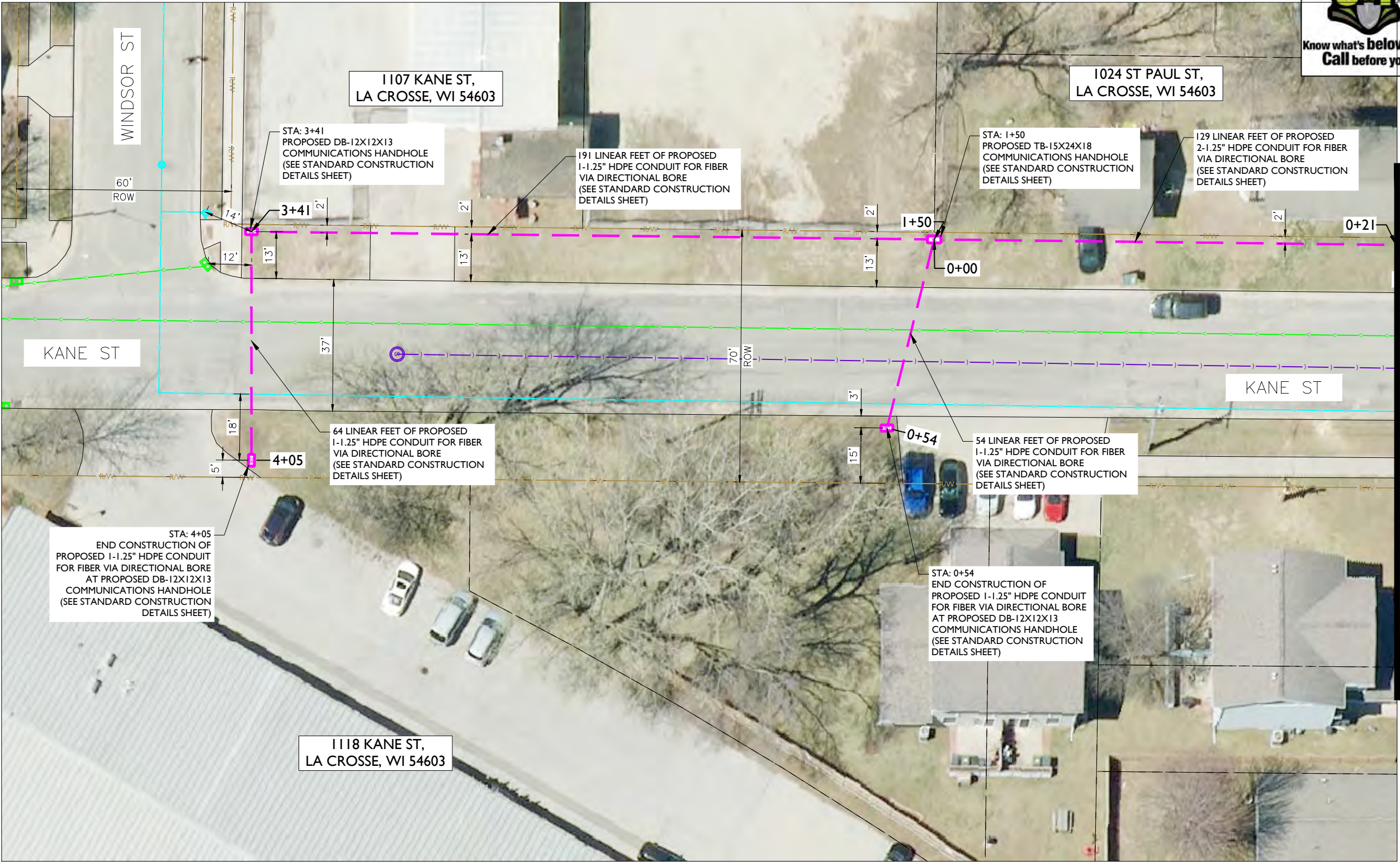
SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

C-62



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

REV	DATE	DESCRIPTION	BY
A	08/23/24	ISSUED FOR REVIEW	HT
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C	11/12/24	REVISED	BP
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WILC032

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-63

- 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:
PRIOR TO CONSTRUCTION ALL STREET LIGHT WIRING MUST BE PROPERLY LOCATED.

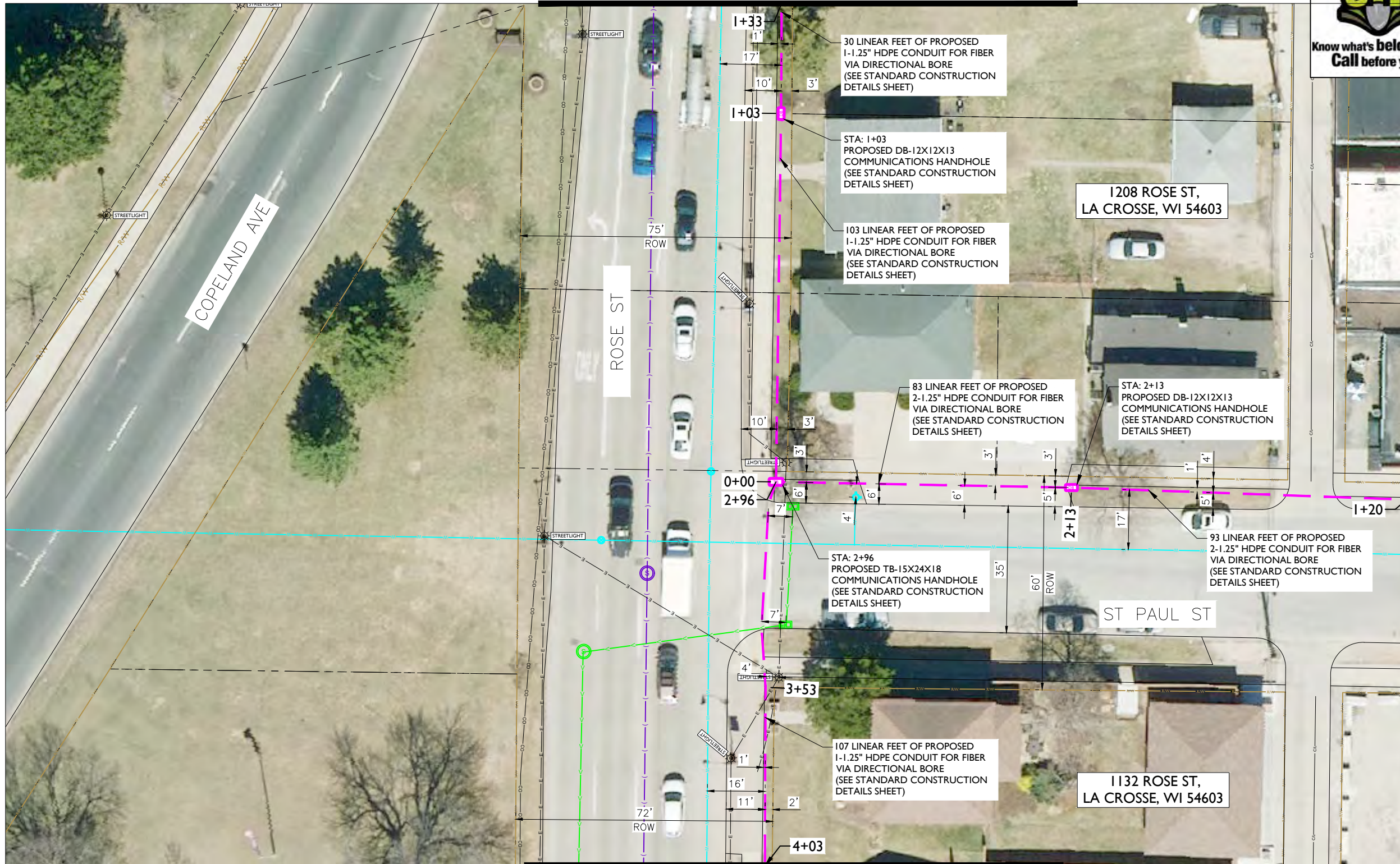
NOTE:
RIGHT-OF-WAY LINE SHOWN PER INFORMATION PROVIDED IN GIS FILE OBTAINED FROM LA CROSSE CITY

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



MATCHLINE - SHEET C-20

MATCHLINE — SHEET C-65



MATCHLINE — SHEET C-59

- 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:
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NOTE:
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TASK NAME
WILC032

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

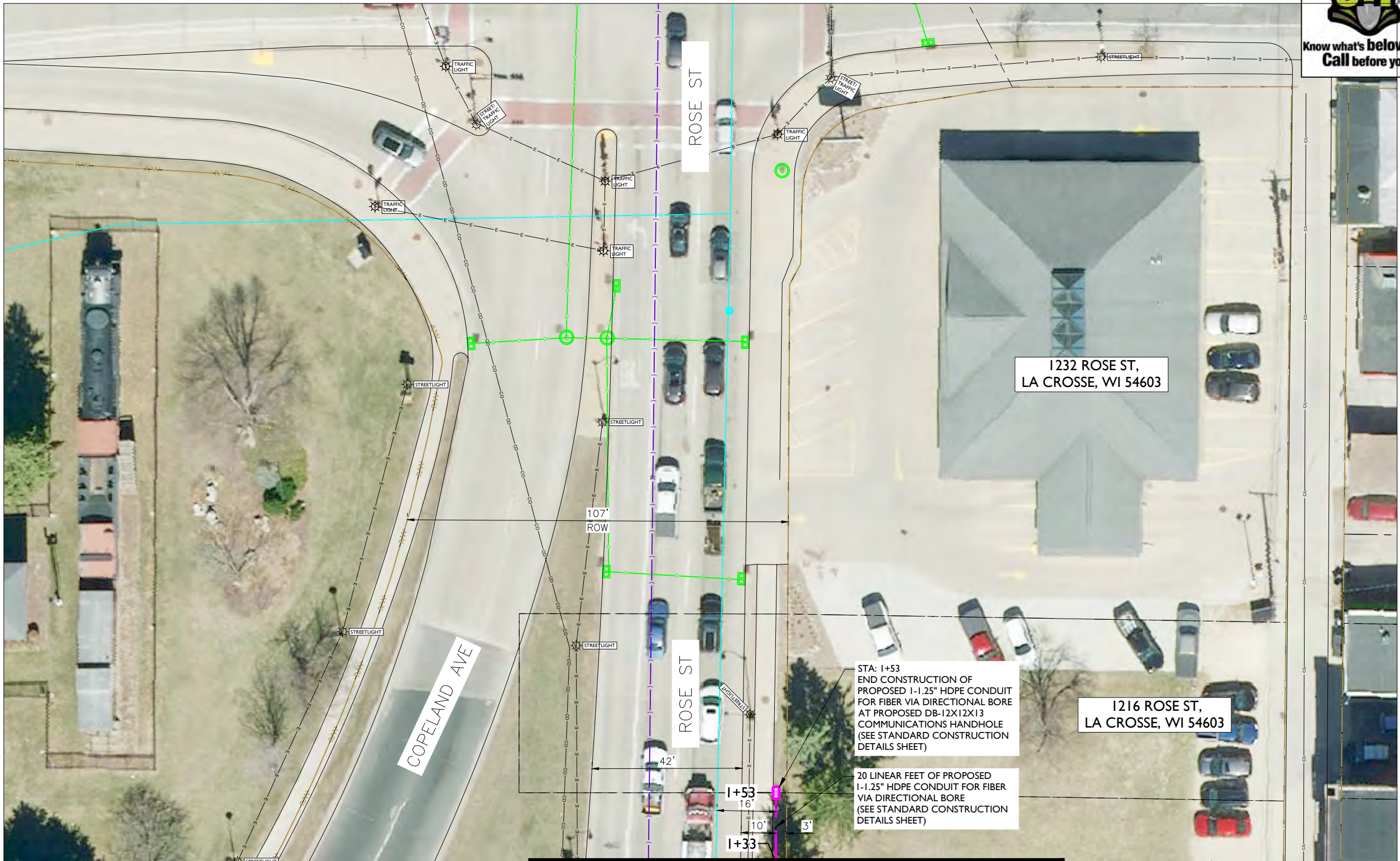
SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-64



MATCHLINE — SHEET C-31



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TASK NAME
WILC032

TASK DESCRIPTION
**FIBER OPTIC CONDUIT
PLACEMENT**

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-65

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:
PRIOR TO CONSTRUCTION ALL TRAFFIC SIGNAL WIRING AT THE INTERSECTION MUST BE PROPERLY LOCATED.

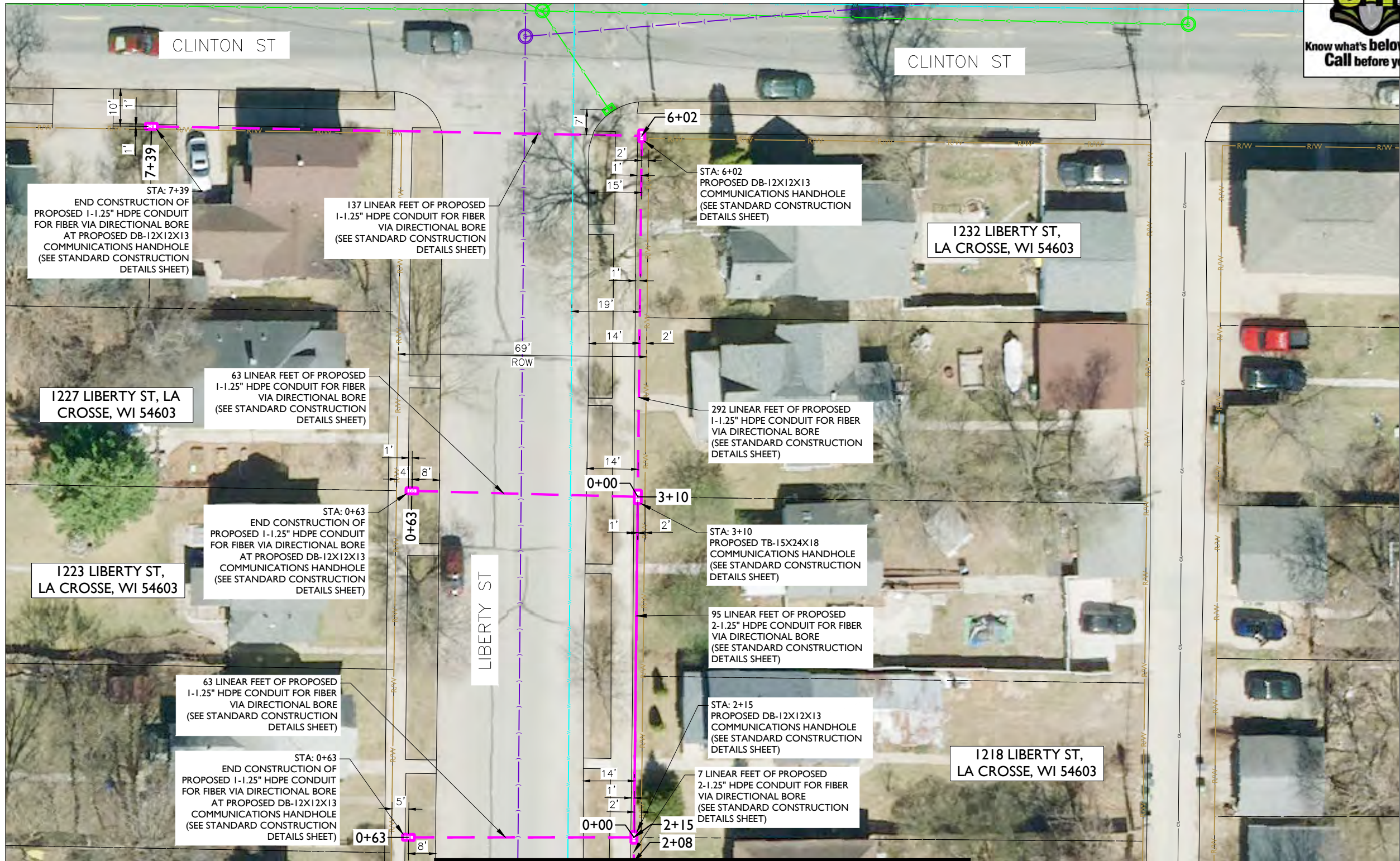
NOTE:
PRIOR TO CONSTRUCTION ALL STREET LIGHT WIRING MUST BE PROPERLY LOCATED.

NOTE:
RIGHT-OF-WAY LINE SHOWN PER INFORMATION PROVIDED IN GIS FILE OBTAINED FROM LA CROSSE CITY

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



MATCHLINE — SHEET C-64



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WILC032

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-66

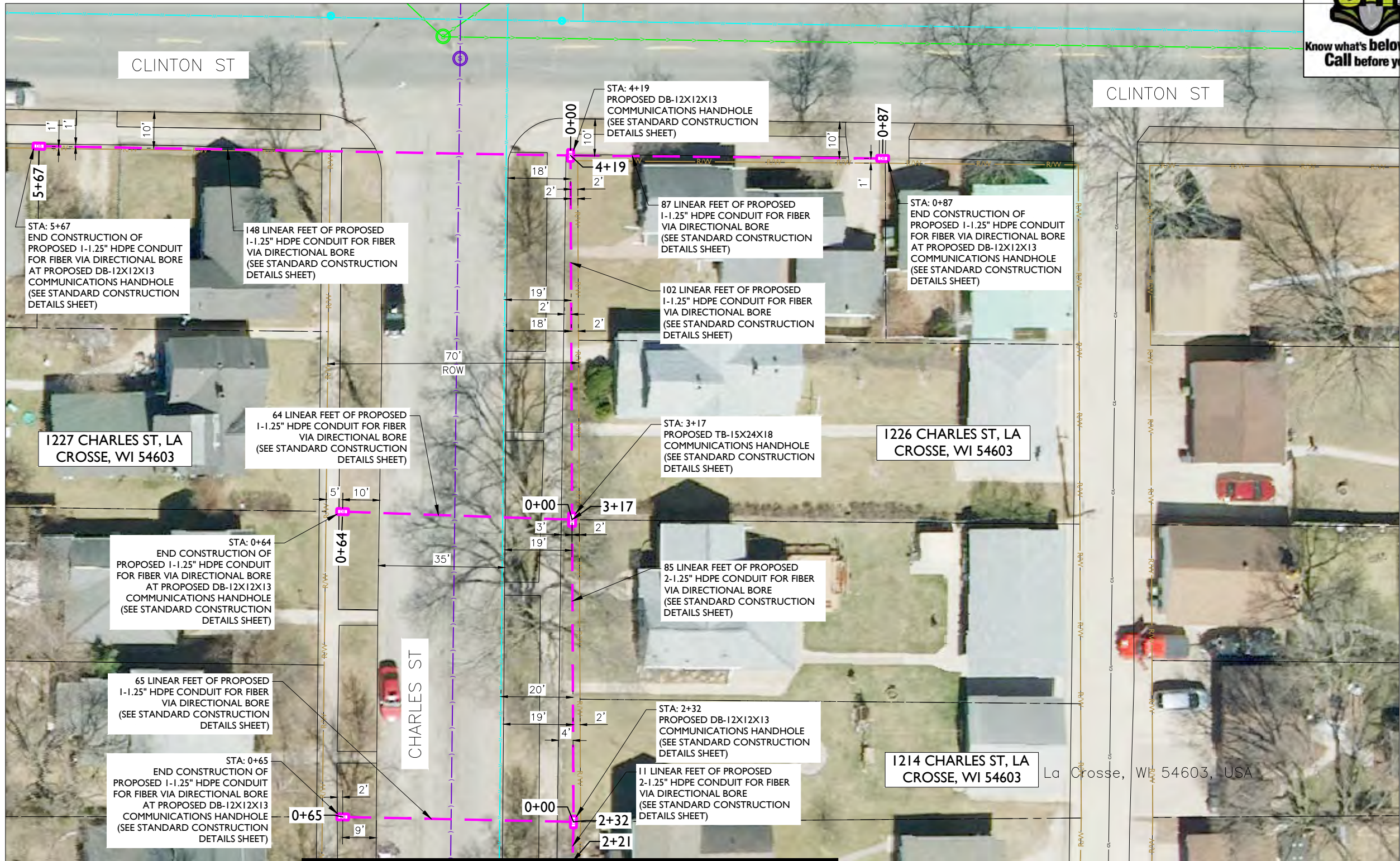
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NOTE:
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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

1" = 30'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER

C-67

NOTE:
THE INTENT OF THIS DRAWING IS THAT ALL PROPOSED CONDUIT IS TO BE PLACED WITHIN SAID RIGHT-OF-WAY.

- 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:
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NOTE:
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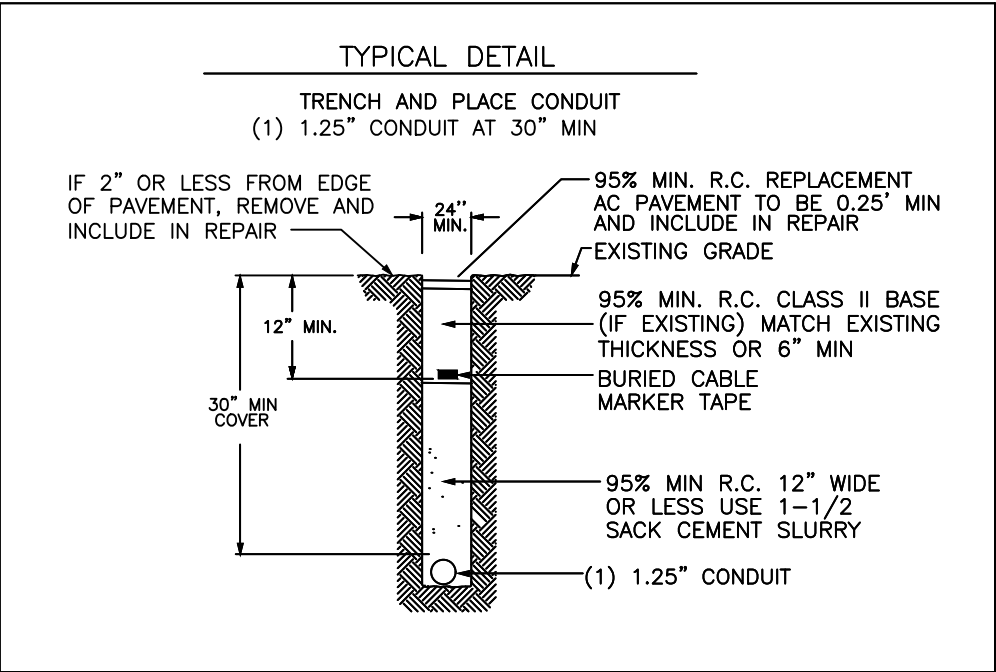
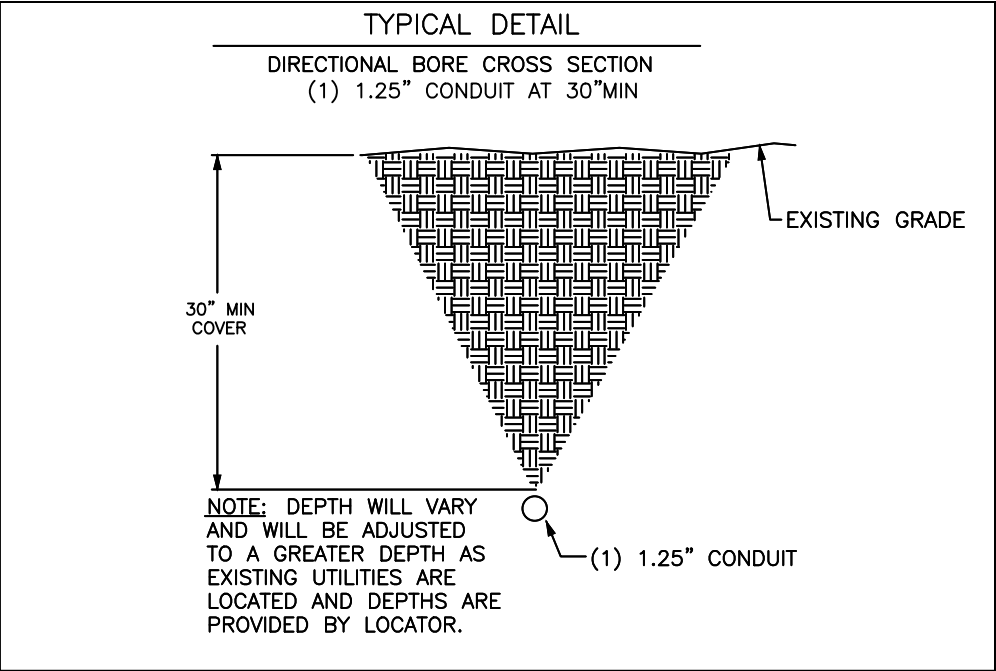


ADDITIONAL NOTES:

- 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 PERMITTING 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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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

N.T.S.

SHEET TITLE

DETAILS

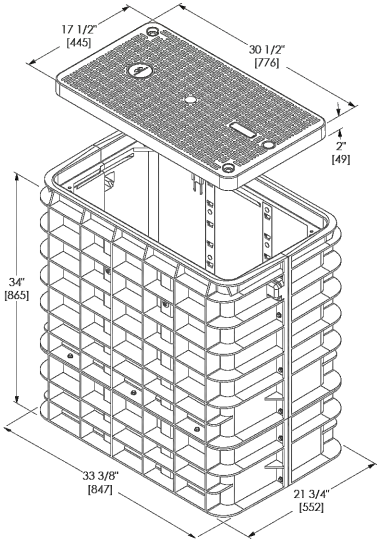
GRID NUMBER

SHEET NUMBER

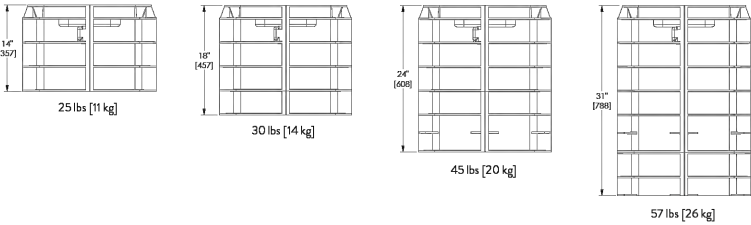
D-1

BODY SPECIFICATIONS

Cover Weight 26 lbs [12 kg]
Pit Weight 63 lbs [29 kg]
Assembled Weight 89 lbs [41 kg]

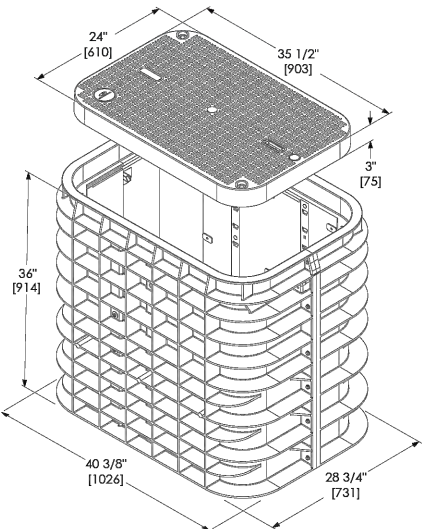


ADDITIONAL BODY DEPTHS

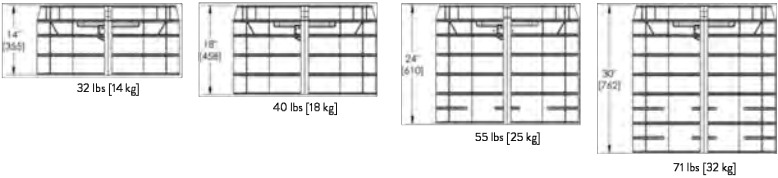


BODY SPECIFICATIONS

Cover Weight 50 lbs [23 kg]
Pit Weight 82 lbs [37 kg]
Assembled Weight 132 lbs [60 kg]

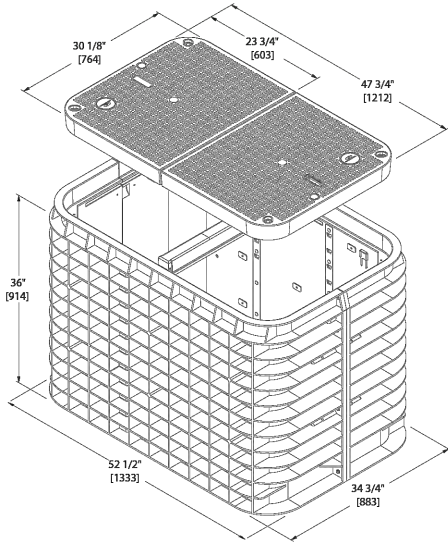


ADDITIONAL BODY DEPTHS

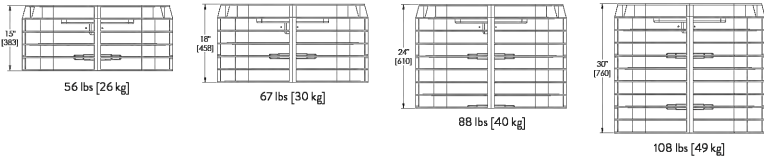


BODY SPECIFICATIONS

Cover Weight (Split 1/2 Cover) 50 lbs [23 kg]
Pit Weight 129 lbs [59 kg]
Assembled Weight 229 lbs [105 kg]



ADDITIONAL BODY DEPTHS



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TASK NAME

WILC032

TASK DESCRIPTION
FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

N.T.S.

SHEET TITLE

DETAILS

GRID NUMBER

SHEET NUMBER

D-2

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



SELFLOCK™

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"

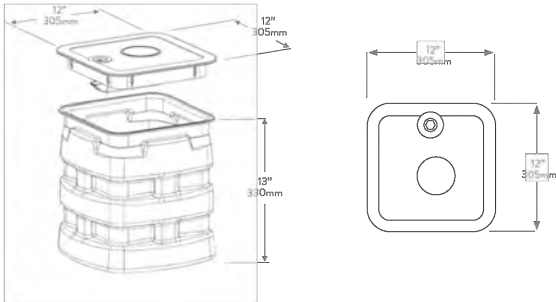


Captive bolt device opens with only 1/4 turn



Shown with Optional Marker Locate Device

DIMENSIONS



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

www.channel.com

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040822 FRT

SGLB-2 SIGNATURE SERIES GRADE LEVEL BOX
WITH SELFLOCK™ PROTECTION



SELFLOCK™

The Signature Series SGLB-2 High Density Polyethylene (HDPE) grade level box line comes standard with Customizable Logo Disk and the Patented SELFLOCK™ automatic locking mechanism.

FEATURES

- Designed for Greenbelt/Pedestrian applications
- Captive bolt device, that opens with a ¼ turn

- No bolts to be lost, misplaced, or not installed back into the unit
- Press/Push lid closed, and it will automatically lock in place (with an audible "click")
- Secondary lock option
- Temporary drop port
- Protects your investment, and ensures the needed protection for your network
- Eliminates the risk of lids floating off, being thrown by lawnmowers (i.e. reduces potential 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

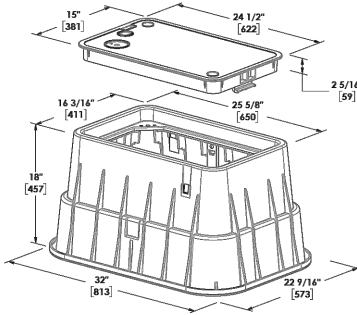
DIMENSIONS



Temporary drop port



Secondary locking feature utilizing optional bolts



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022624

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TASK NAME

WILC032

TASK DESCRIPTION
FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

N.T.S.

SHEET TITLE

DETAILS

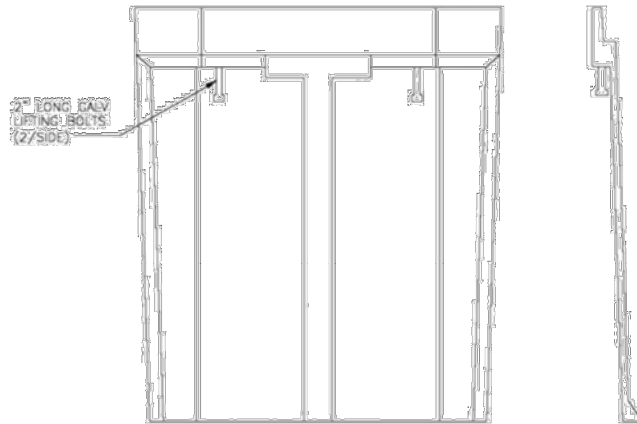
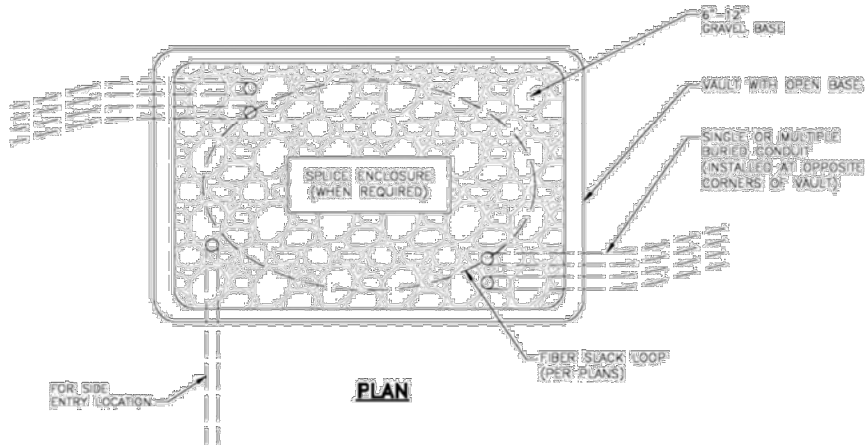
GRID NUMBER

SHEET NUMBER

D-3

NOTES:

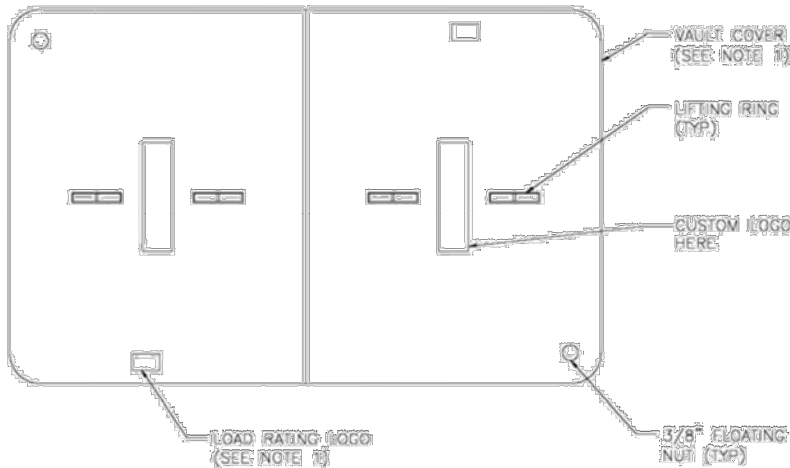
1. CALL FOR LOCATES AT LEAST 72 HOURS IN ADVANCE OF ANY CONSTRUCTION FOR MARKINGS.
2. FOR LABEL AND TAG INFORMATION SEE DRAWING OSP 16.
3. THE VAULT W/ BOTTOM ENTRY ELEVATION VIEW SHOWN BELOW ONLY INDICATES THE BACK FILL REQUIREMENTS NECESSARY FOR VAULTS PLACED IN SIDEWALKS, ETC. (WHERE THEY NEED TO 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 LUGS/BOLTS WHICH WILL SERVE AS DOWELS INTO THE FINISHED CONCRETE SLAB.



SIDE VIEW

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 TIER 15 OR BETTER.



VAULT LID

ADA REQUIREMENTS:

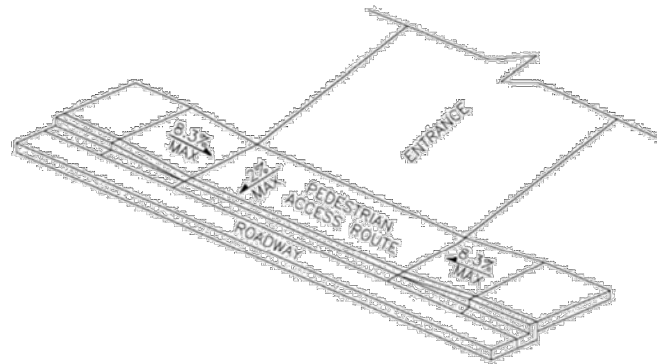
SURFACE LEVEL CRITERIA: NO HEIGHT DIFFERENTIALS WITH A RISE GREATER THAN 1/4" IN HEIGHT. EXCEPTIONS: A HEIGHT DIFFERENTIAL BETWEEN 1/4" AND 1/2" IS ACCEPTABLE IF IT IS BEVELED AT A 2:1 SLOPE, OR A HEIGHT DIFFERENTIAL GREATER THAN 1/2" IS ACCEPTABLE IF IT IS RAMPED WITH A SLOPE OF 8.33% (1V:12H) OR LESS.

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

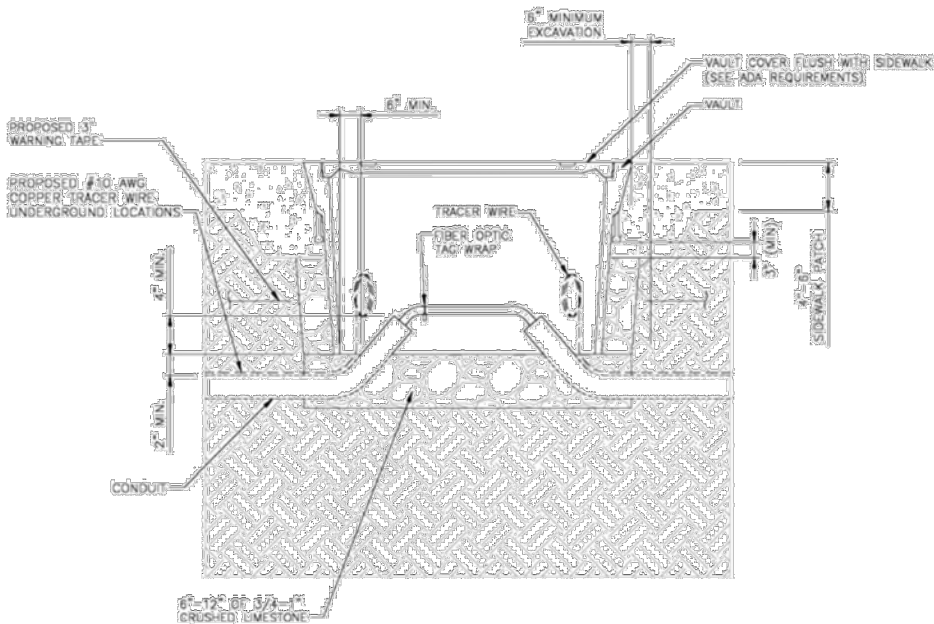
LIFT HOLES FOR UTILITY COVERS SHALL NOT HAVE AN OPENING GREATER THAN 1/2". PLUGGING OF HOLES GREATER THAN 1/4" WITH A MATERIAL APPROVED BY THE ENGINEER IS ACCEPTABLE AS LONG AS IT IS FLUSH WITH THE COVER SURFACE.

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

- THE WALKWAY IS AT MINIMUM 3' WIDE.
- CROSS 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



VAULT W/ BOTTOM ENTRY

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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

N.T.S.

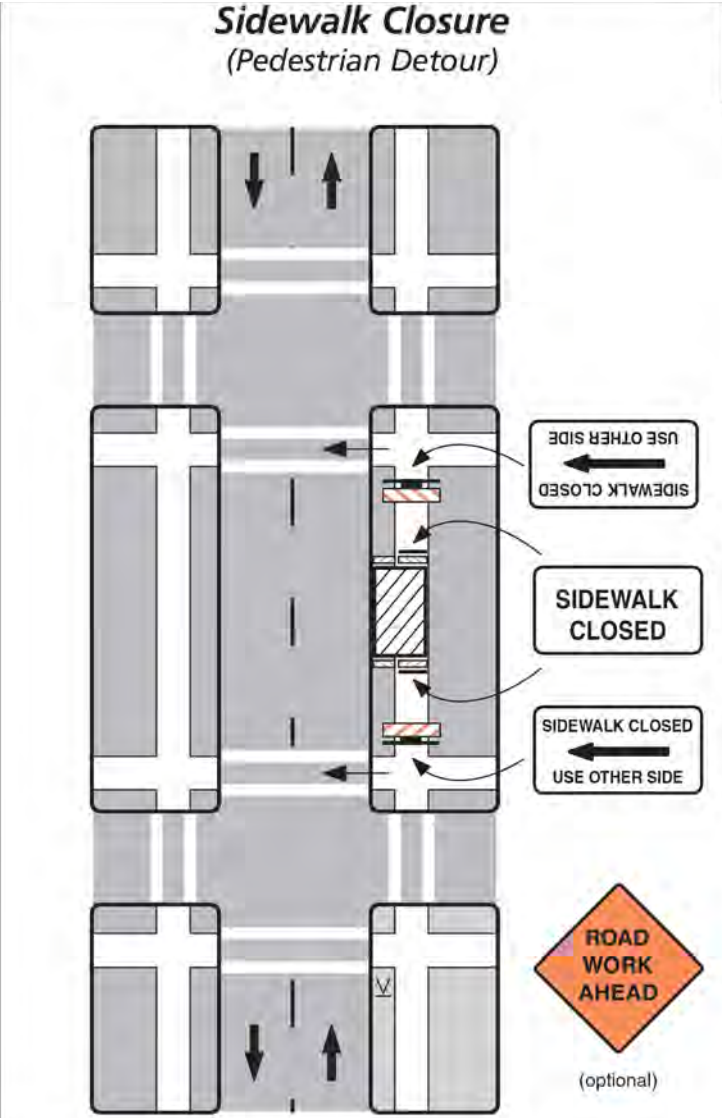
SHEET TITLE

DETAILS

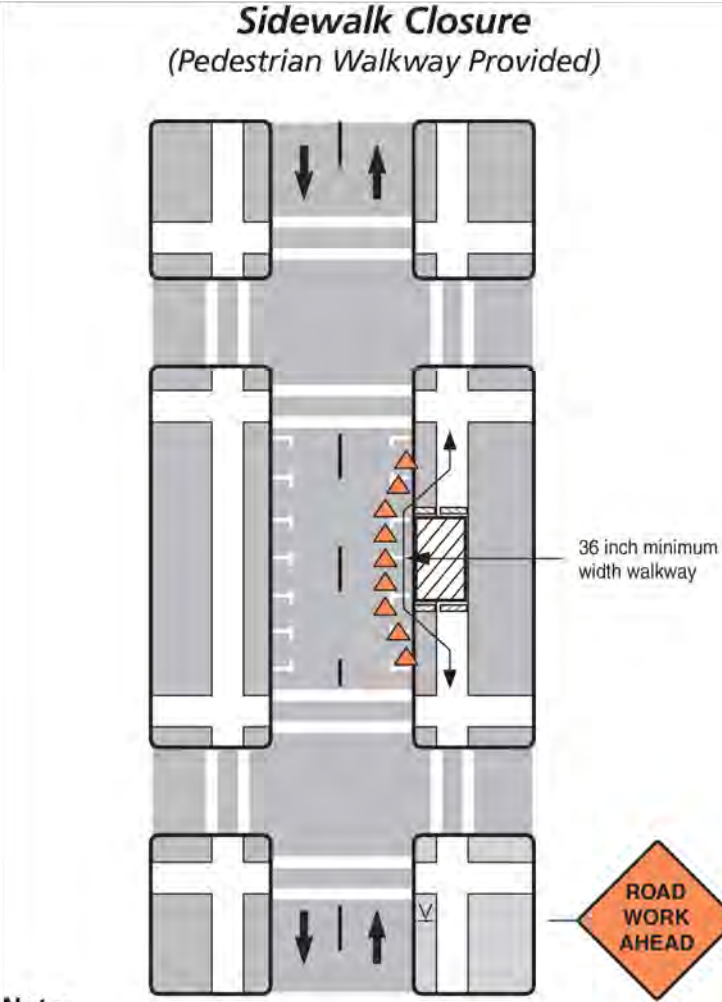
GRID NUMBER

SHEET NUMBER

D-4



- 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.01 of 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).

REV	DATE	DESCRIPTION	BY
A	08/23/24	ISSUED FOR REVIEW	HT
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E	04/15/25	REVISED	BP
F	05/07/25	REVISED	GB

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TASK NAME
WILC032

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
N.T.S.

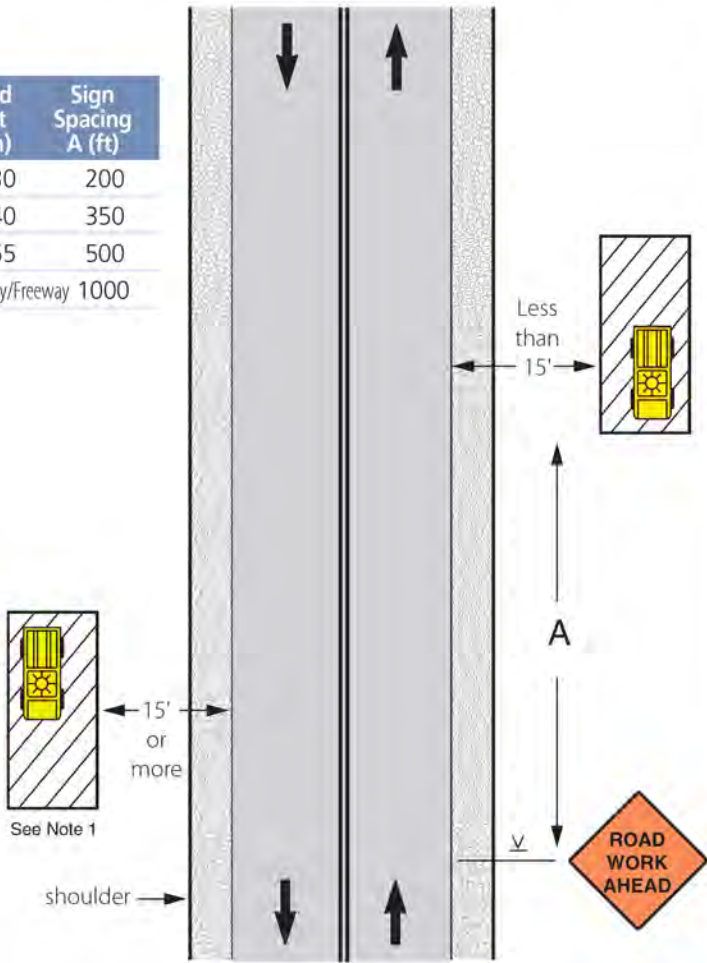
SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER
TCP-1

Work Beyond the Shoulder

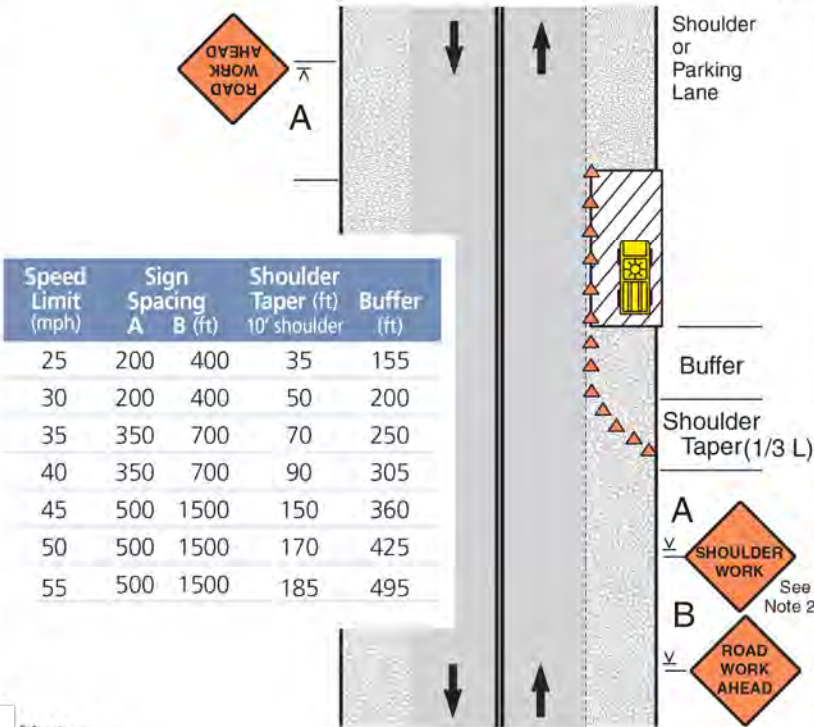
Speed Limit (mph)	Sign Spacing A (ft)
25-30	200
35-40	350
45-55	500
Expressway/Freeway	1000



Notes

- 1. The warning sign may be omitted where the work area is behind a guard rail, more than 2' behind a curb, 30' or more from the edge of a freeway/expressway, or 15' or more from the edge of any other roadway.
- 2. For short-term, short-duration, or mobile operations, the warning sign may be omitted if a vehicle with activated high intensity light is used. On State Roads, the warning sign can be omitted if the duration of work is less than 60 minutes and activated high intensity lights are used.
- 3. The ROAD WORK AHEAD sign may be replaced with other appropriate signs such as SHOULDER WORK, UTILITY WORK AHEAD, SURVEY CREW, MOVING AHEAD or WORKERS.

Work on Shoulder or Parking Lane on Two-Lane Two-Way Road

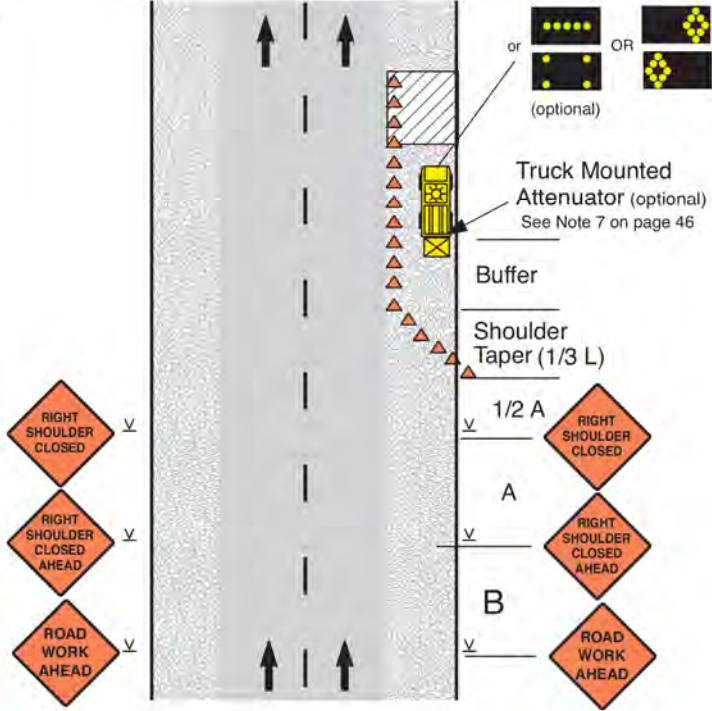


Speed Limit (mph)	Sign Spacing A (ft)	Sign Spacing B (ft)	Shoulder Taper (ft) 10' shoulder	Buffer (ft)
25	200	400	35	155
30	200	400	50	200
35	350	700	70	250
40	350	700	90	305
45	500	1500	150	360
50	500	1500	170	425
55	500	1500	185	495

Notes

- 1. Encroachment into the traffic lane is allowable, but a 10-foot minimum travel lane width should be maintained. A lane closure should be considered if there is encroachment on roads with speeds greater than 35 mph, or for other conditions where workers, equipment, or the work activity would benefit from the lateral buffer (see pages 22 and 23).
- 2. If there is encroachment into the traffic lane, a ROAD NARROWS sign may be used instead of SHOULDER WORK. For roads with low volume, the SHOULDER WORK or ROAD NARROWS sign can be omitted.
- 3. For short duration work, the channelizing devices may be omitted if a vehicle with activated high intensity lights is used. For short duration work with no lane encroachment, the signs may also be omitted.
- 4. WORKERS, UTILITY WORK AHEAD, SHOULDER WORK AHEAD, or SURVEY CREW signs may be used instead of SHOULDER WORK or ROAD WORK AHEAD.
- 5. When work area is at least 2' from traffic lane on roads with low volume and speeds of 35 mph or less, the sign on opposite side can be omitted.

Shoulder or Parking Lane Closed on Divided or One-Way Roadway



Notes

- 1. SHOULDER CLOSED signs should be used on limited-access highways where there is no opportunity for disabled vehicles to pull off the traveled way.
- 2. For short-term stationary work, one SHOULDER CLOSED warning sign can be omitted.
- 3. For short duration work, the channelizing devices can be omitted if a vehicle with activated high intensity lights is used. For short duration work with no lane encroachment, the signs can also be omitted.
- 4. UTILITY WORK AHEAD, SURVEY CREW or WORKERS signs can be used instead of the ROAD WORK AHEAD signs shown.
- 5. If the parking lane is used as a traffic lane follow the lane closure layout. See page 32.

Speed Limit (mph)	Sign Spacing A (ft)	Sign Spacing B (ft)	Shoulder Taper (ft) 10' shoulder	Buffer (ft)
35	350	350	70	250
40	350	350	90	305
45	1000	1000	150	360
50	1000	1000	170	425
55	1000	1000	185	495
60	1000	1500	200	570
65	1000	1500	220	645
70	1000	1500	235	730

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E	04/15/25	REVISED	BP
F	05/07/25	REVISED	GB

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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

N.T.S.

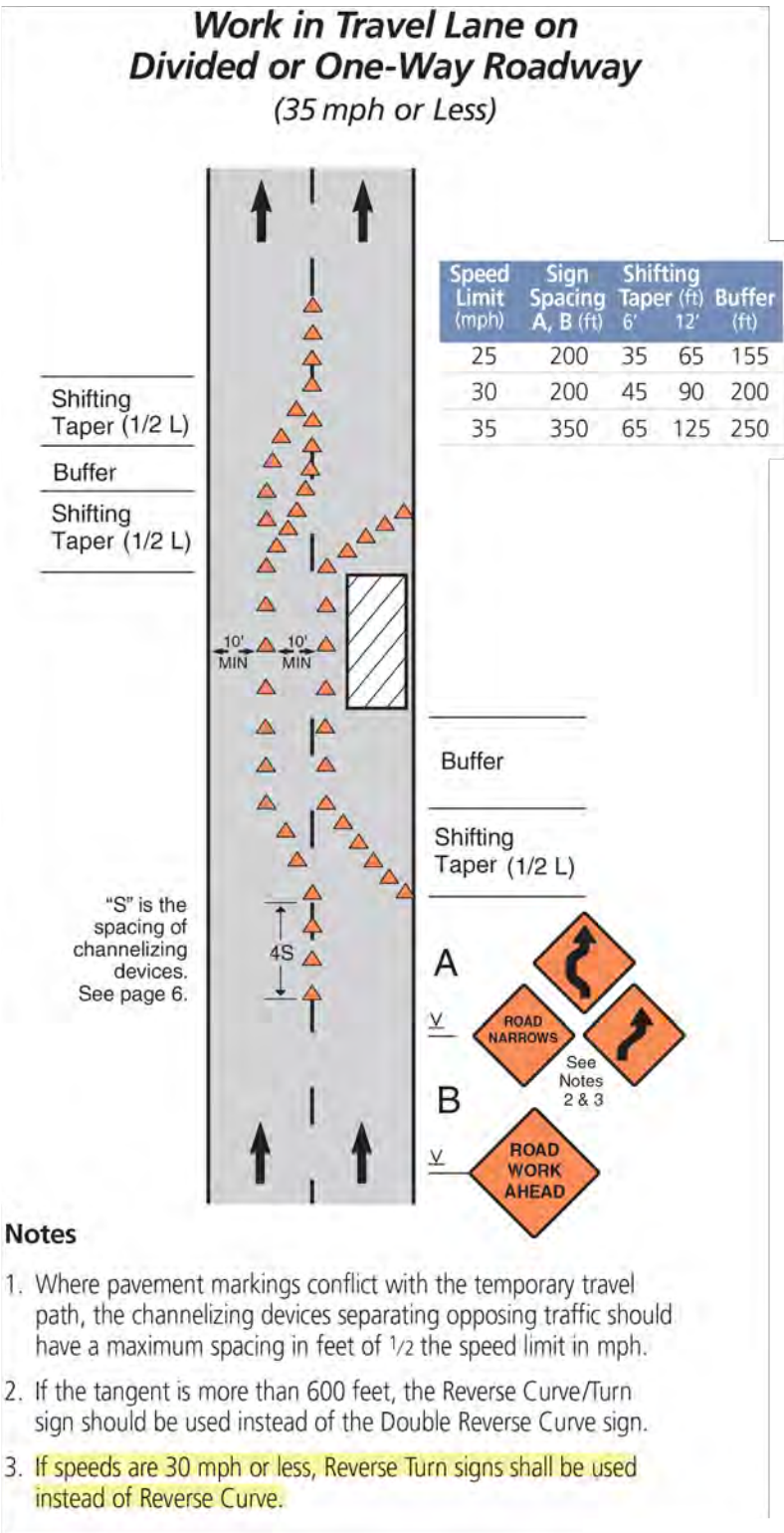
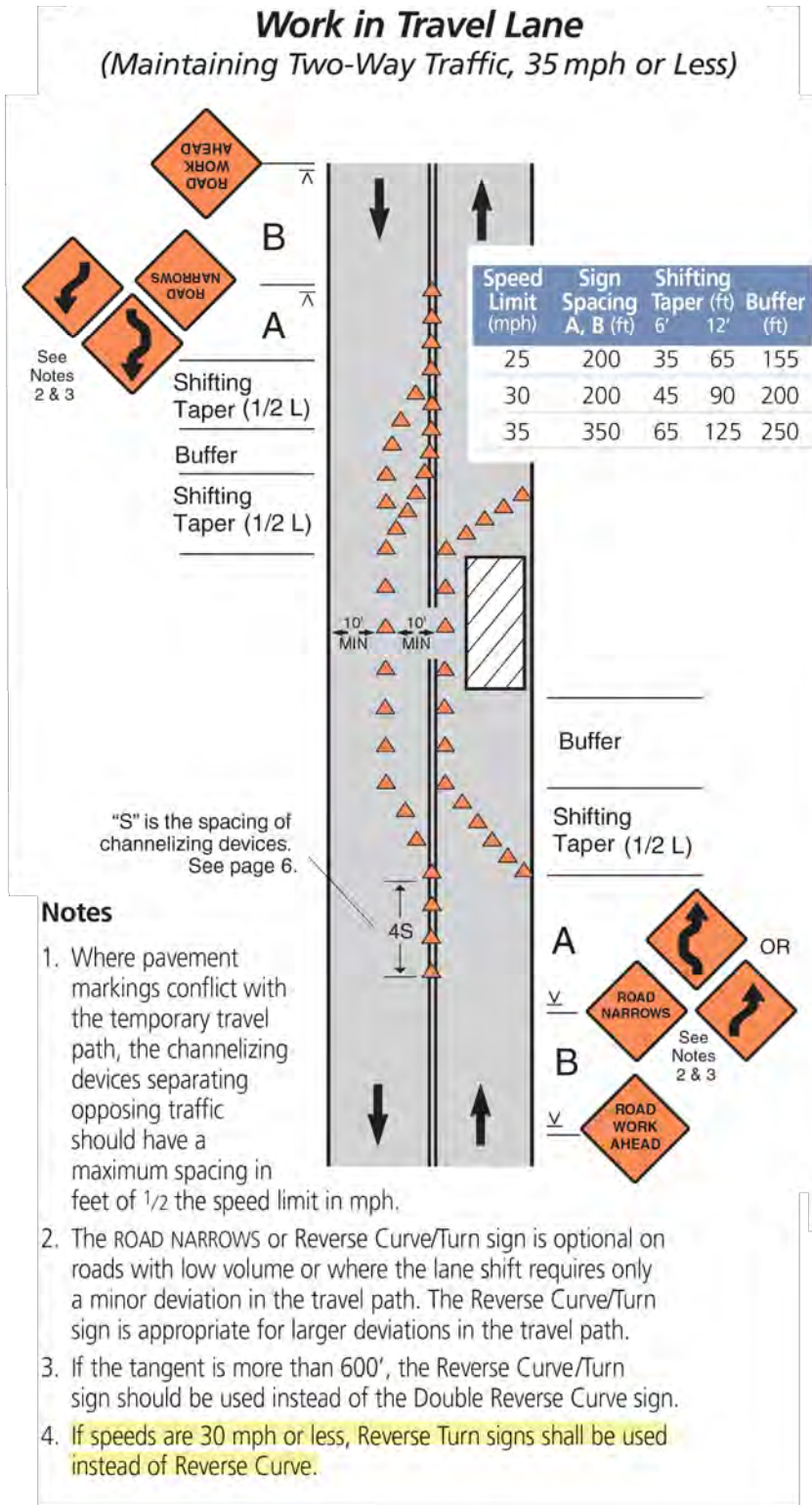
SHEET TITLE

TRAFFIC CONTROL
STANDARD DETAILS

GRID NUMBER

SHEET NUMBER

TCP-2



REV	DATE	DESCRIPTION	BY
A	08/23/24	ISSUED FOR REVIEW	HT
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E	04/15/25	REVISED	BP
F	05/07/25	REVISED	GB

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TASK NAME
WILC032

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER
TCP-3

(One Flagger Operation)

The diagram illustrates the placement of traffic control signs for a one-flagger operation. It shows a two-lane road with a central work zone. Signs A, B, and C are placed upstream of the work zone. Sign A is a 'ROAD WORK AHEAD' sign, Sign B is a 'ONE LANE ROAD AHEAD' sign, and Sign C is a 'ROAD WORK AHEAD' sign. The spacing between the signs is 100 feet. The taper length is 50 feet minimum to 100 feet maximum. A flagger is positioned at the downstream end of the taper, near a red flag.

Speed Limit (mph)	Sign Spacing A, B, C (ft)
25	200
30	200
35	350
40	350
45	500
50	500
55	500

Notes

1. A single flagger may be adequate for roads with low volumes that

Speed Limit (mph)	Sign Spacing A, B, C (ft)
25	200
30	200
35	350
40	350
45	500
50	500
55	500

1. A single flagger may be adequate for roads with low volumes that have short, straight work areas. Where one flagger is used, the flagger should be visible to approaching traffic from both directions.
2. Set the buffer area lengths based on space at the site. The total length of the temporary traffic control zone must be short enough that drivers can see approaching traffic or flagger beyond the work area.
3. The flagger shall use approved flagging procedures according to the MUTCD and as shown on page 57.
4. For short duration work, the ROAD WORK AHEAD sign may be omitted.

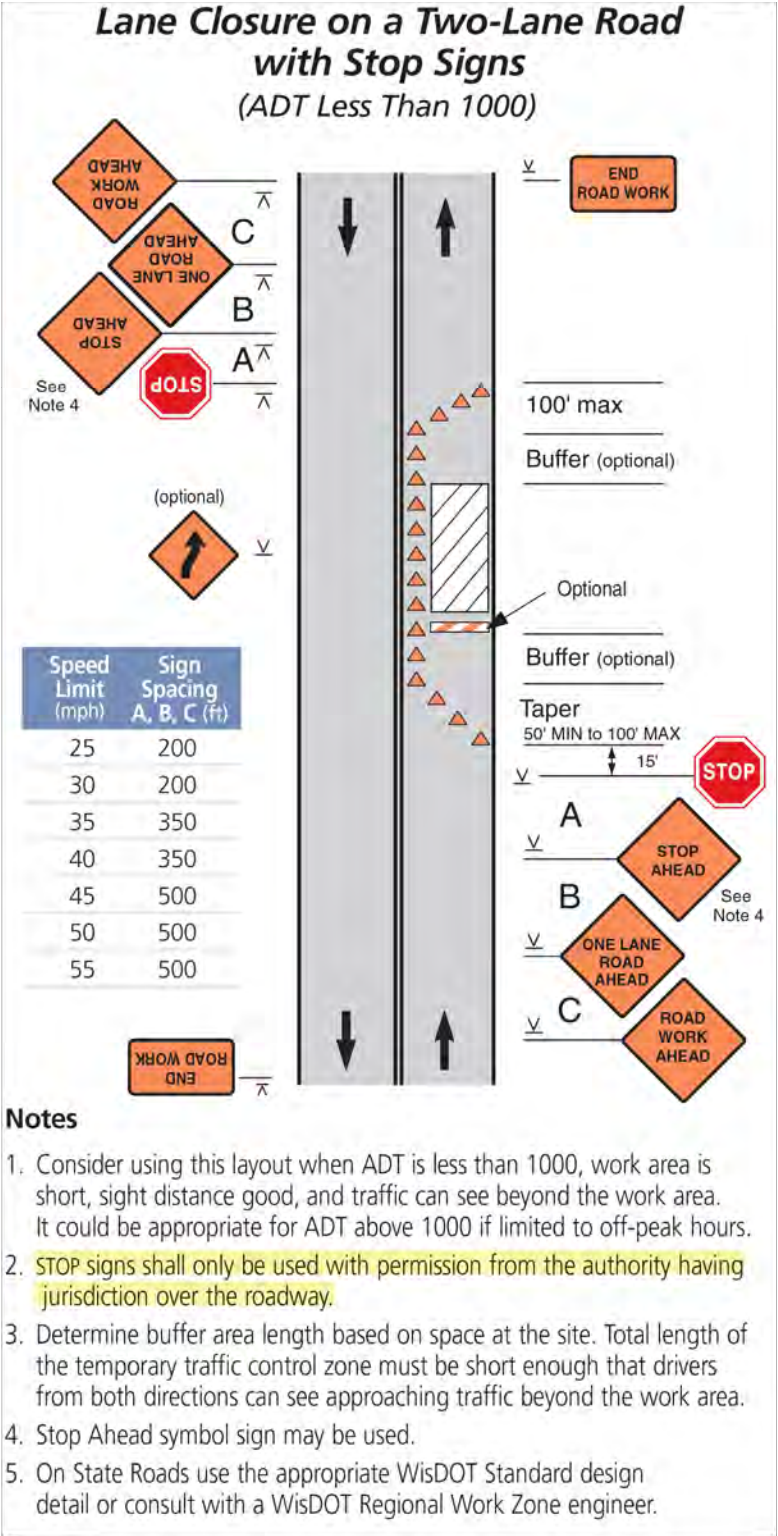
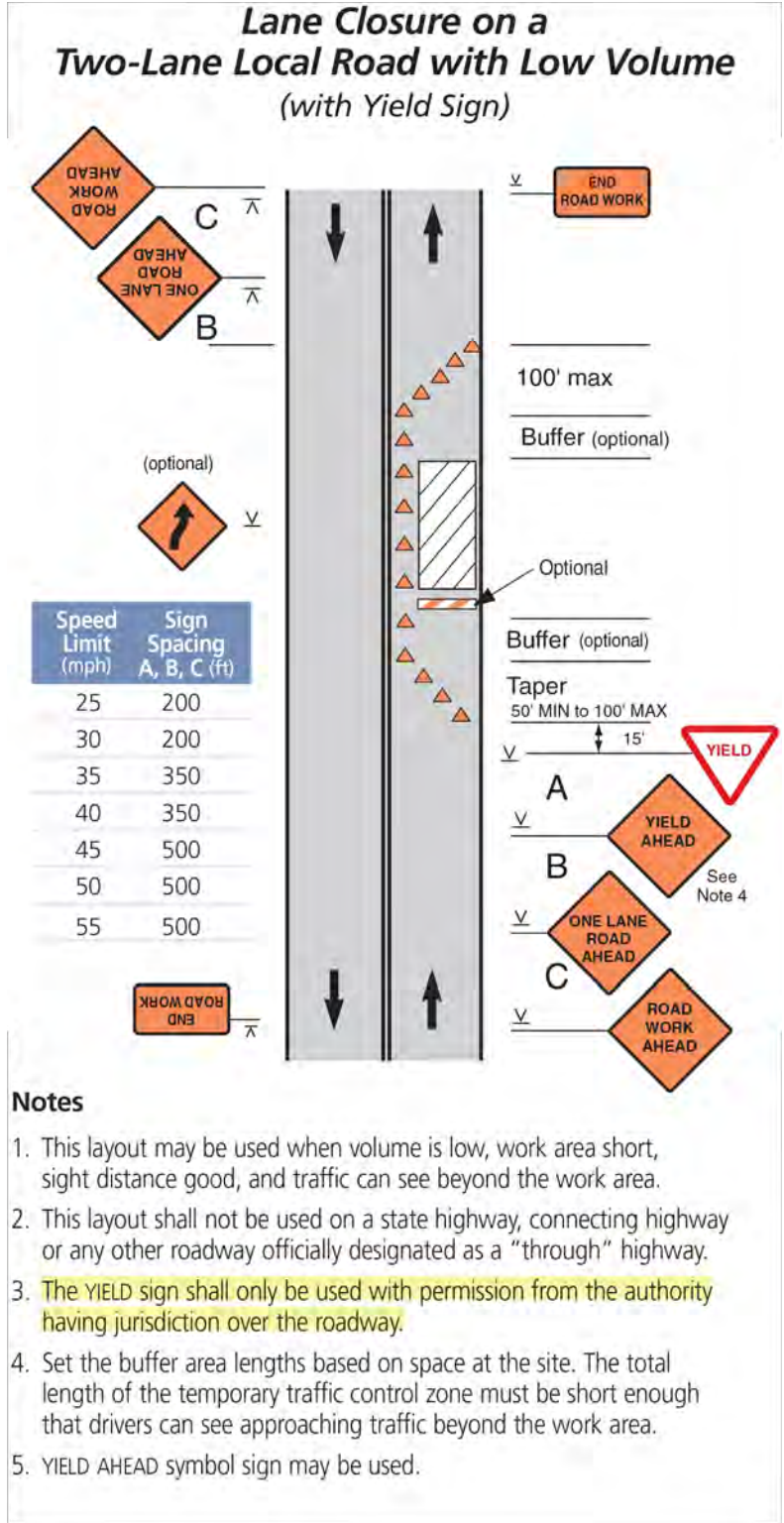


The diagram illustrates a two-flagger operation on a two-lane road. The road is divided into three main sections: a 200' to 300' advance warning section, a 100' taper section, and a 50' minimum buffer section. The taper section is marked with orange triangles. The buffer section is marked with a hatched rectangle. The road is flanked by two flaggers, A and B, positioned at the start of the taper section. The diagram shows the sequence of signs and their placement relative to the work area. The signs include: 'ROAD WORK AHEAD' (diamond), 'ONE LANE ROAD AHEAD' (diamond), 'END ROAD WORK' (optional rectangular sign), and 'ROAD WORK' (optional rectangular sign). The diagram also shows the placement of the flaggers and the sequence of signs as they are encountered by traffic.

Speed Limit (mph)	Sign Spacing A, B, C (ft)	Buffer (ft)
25	200	155
30	200	200
35	350	250
40	350	305
45	500	360
50	500	425
55	500	495

1. The flaggers shall use approved flagging procedures according to the MUTCD and as shown on page 57.
2. For short duration work, the ROAD WORK AHEAD sign may be omitted.
3. Pilot cars, Automated Flagger Assistance Device or temporary traffic signals may be used if sight distance is low.





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TASK NAME
WILC032

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

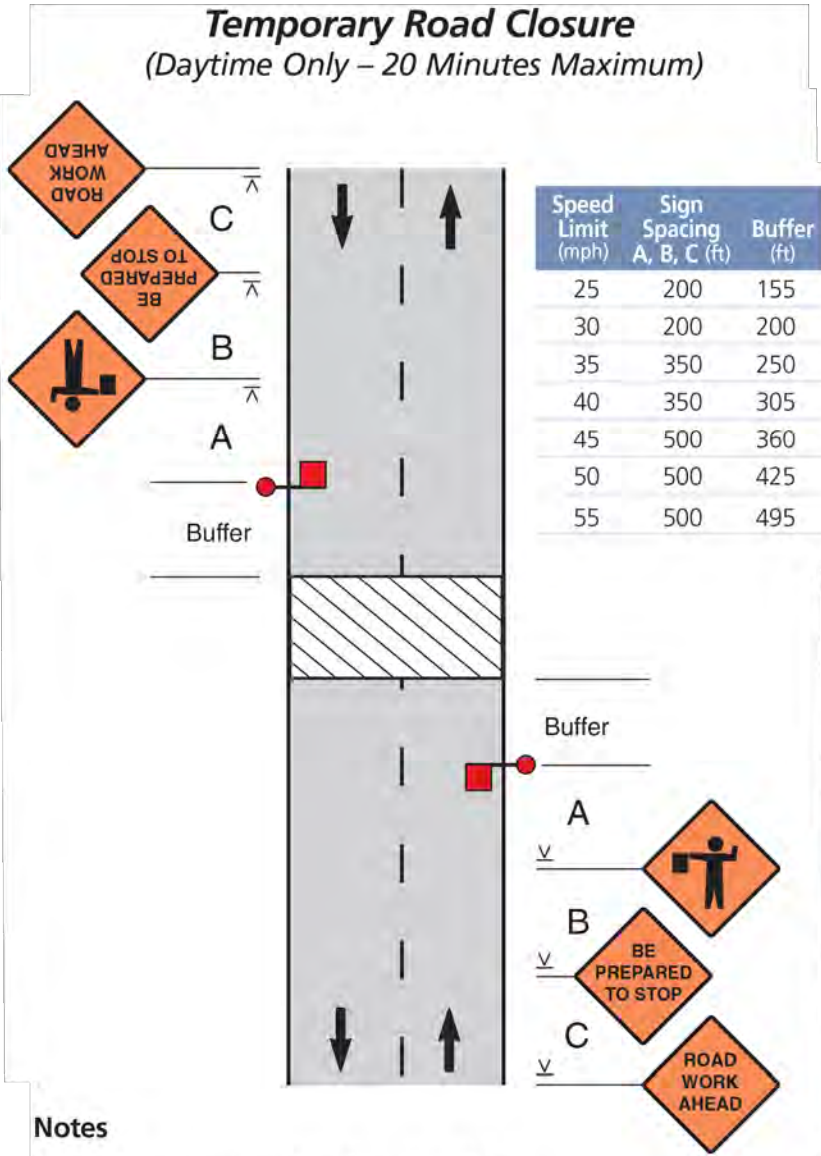
PROJECT AREA
LACROSSE, WI

SHEET SCALE
N.T.S.

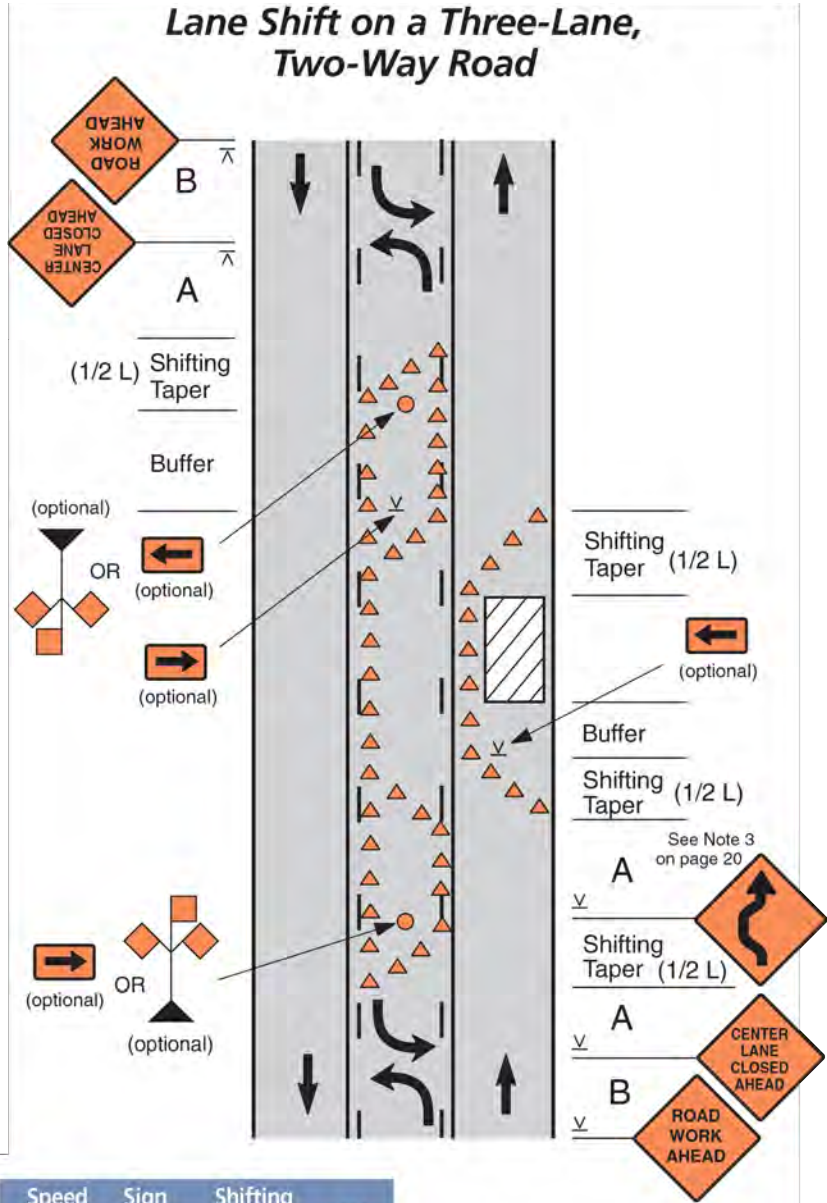
SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER
TCP-5



- Notes**
1. Conditions represented are for work which requires closings during daytime hours only.
 2. This application is intended for a planned temporary closing not to exceed 20 minutes.
 3. **Flaggers or uniformed officers shall be used for this application.**
 4. The flagger should stop the first vehicle from the shoulder as shown. After stopping the first vehicle if the view of the flagger is obstructed, then he/she should move toward the centerline to stop additional traffic.
 5. **Flaggers shall use approved flagging procedures according to the MUTCD and as shown on page 57.**



- Notes**
1. Use turn restrictions or close driveways located in the work zone as appropriate.
 2. **If speeds are 30 mph or less, Reverse Turn signs shall be used instead of Reverse Curve.**

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TASK NAME
WILC032

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

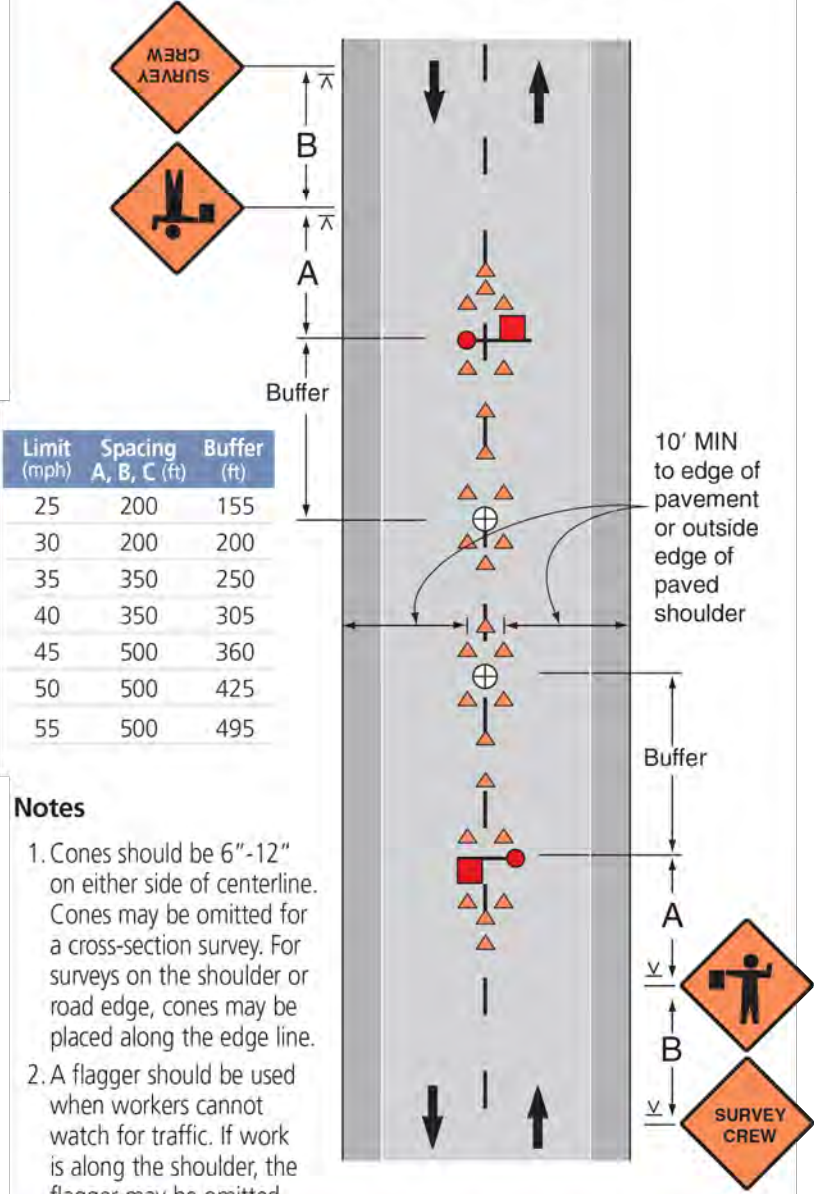
SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER
TCP-6

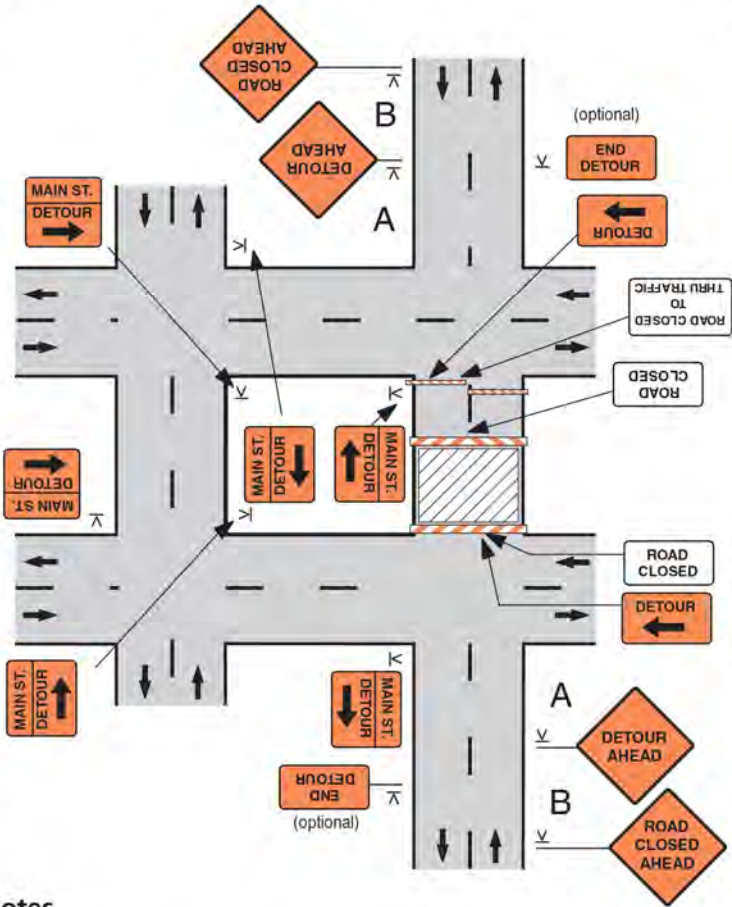
Surveying Along Centerline of Road with Low Volume



Notes

1. Cones should be 6"-12" on either side of centerline. Cones may be omitted for a cross-section survey. For surveys on the shoulder or road edge, cones may be placed along the edge line.
2. A flagger should be used when workers cannot watch for traffic. If work is along the shoulder, the flagger may be omitted.
3. For surveying on the centerline of a road with high-volume, one lane shall be closed using layouts shown on page 26.
4. A high-level warning device may be used to protect a surveying device, such as a target on a tripod.
5. ROAD WORK AHEAD signs may be used in place of SURVEY CREW signs.

Street Closure with Detour



metronet

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EVANSVILLE, IN, 47715

Fullerton
DESIGN DEVELOP CONSTRUCT

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SCHAUMBURG, ILLINOIS 60173
TEL: 847-908-8400
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F	05/07/25	REVISED	GB

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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

N.T.S.

SHEET TITLE

TRAFFIC CONTROL
STANDARD DETAILS

GRID NUMBER

SHEET NUMBER

TCP-7

Surveying Along Centerline of Road with Low Volume

Limit (mph)	Spacing A, B, C (ft)	Buffer (ft)
25	200	155
30	200	200
35	350	250
40	350	305
45	500	360
50	500	425
55	500	495

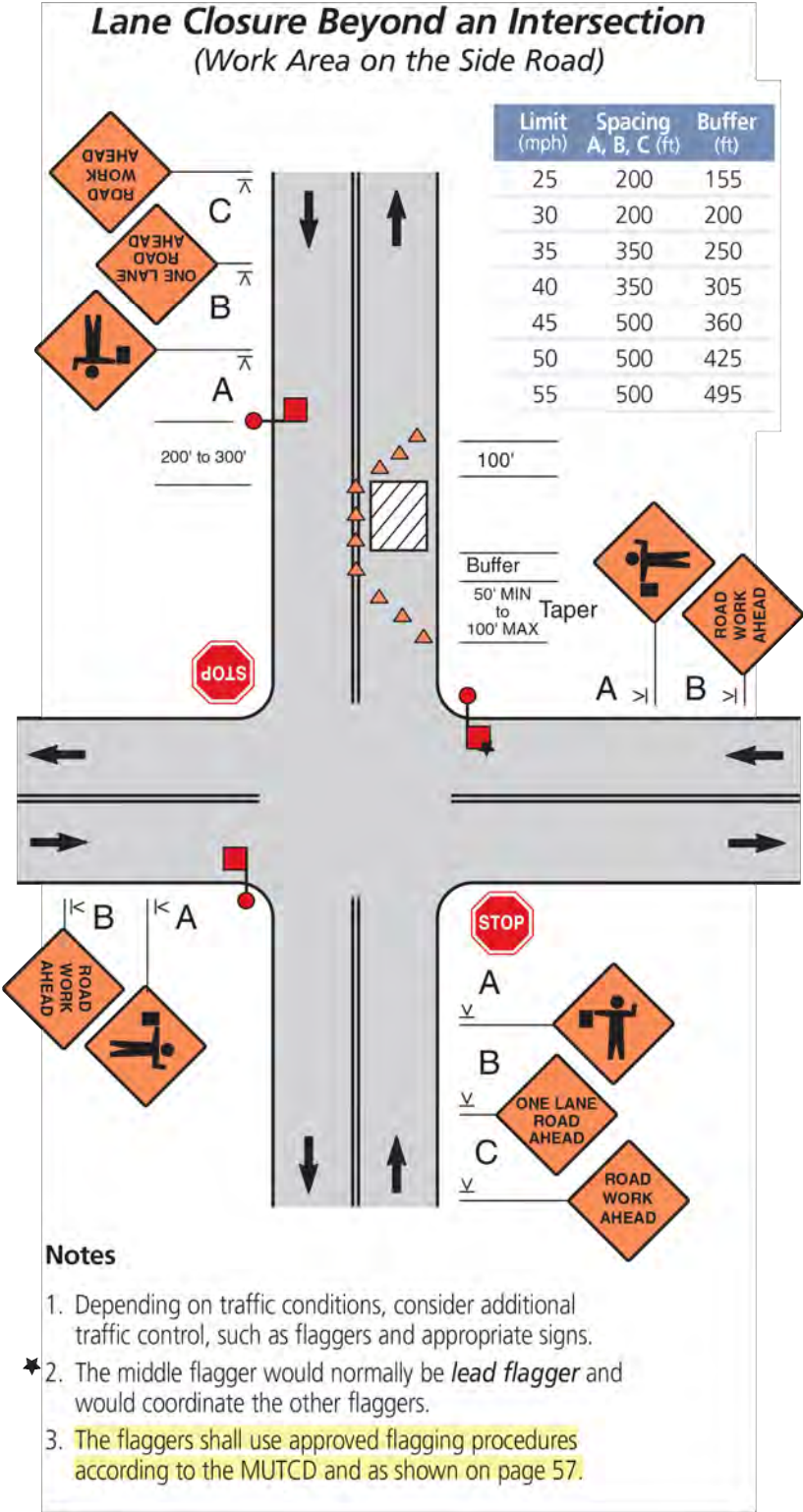
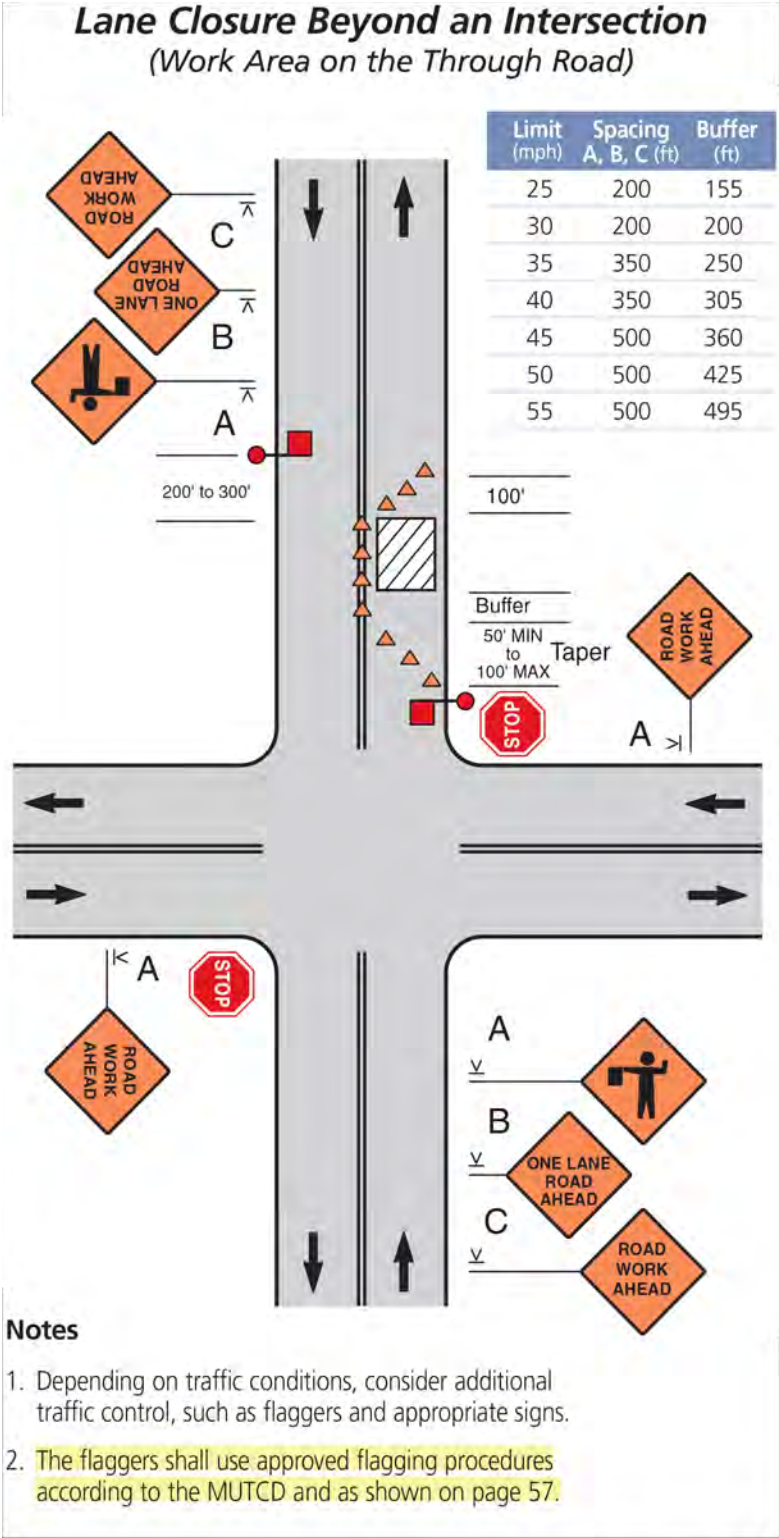
Notes

1. Cones should be 6"-12" on either side of centerline. Cones may be omitted for a cross-section survey. For surveys on the shoulder or road edge, cones may be placed along the edge line.
2. A flagger should be used when workers cannot watch for traffic. If work is along the shoulder, the flagger may be omitted.
3. For surveying on the centerline of a road with high-volume, one lane shall be closed using layouts shown on page 26.
4. A high-level warning device may be used to protect a surveying device, such as a target on a tripod.
5. ROAD WORK AHEAD signs may be used in place of SURVEY CREW signs.

[illegible]

1. This layout should be used for streets and roads without posted route numbers. See figure 6H-8 and 6H-9 of the MUTCD Part 6 for closing and detouring a numbered highway.
2. When a side road intersects the roadway within the work zone, place Type III barricades and ROAD CLOSED signs at the intersections, and provide advance signing of the closure on the side road approaches.
3. A street name sign may be mounted with the DETOUR sign. The street name sign should be used if a local road is detoured onto a numbered highway. If used, the street nameplate goes above the DETOUR sign.
4. A DETOUR sign with an advance turn arrow may be used in advance of a turn and should be used on multilane roads.
5. DETOUR signs may be located on the far side of the work zone.

Speed Limit (mph)	Sign Spacing A, B (ft)
25-30	200
35-40	350
45-55	500



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TASK NAME
WILC032

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

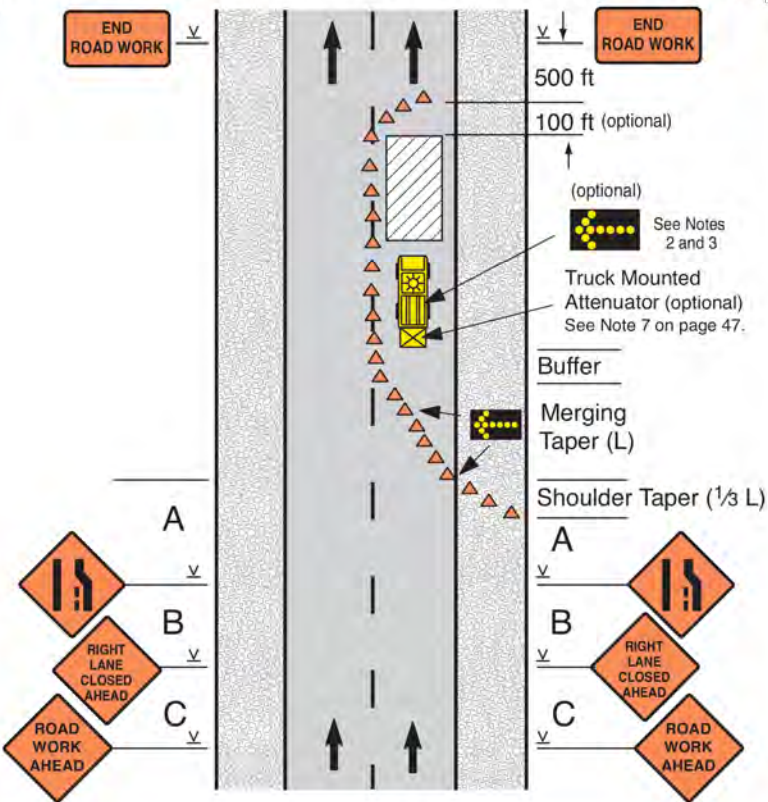
SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER
TCP-9

Lane Closure on Divided or One-Way Roadway

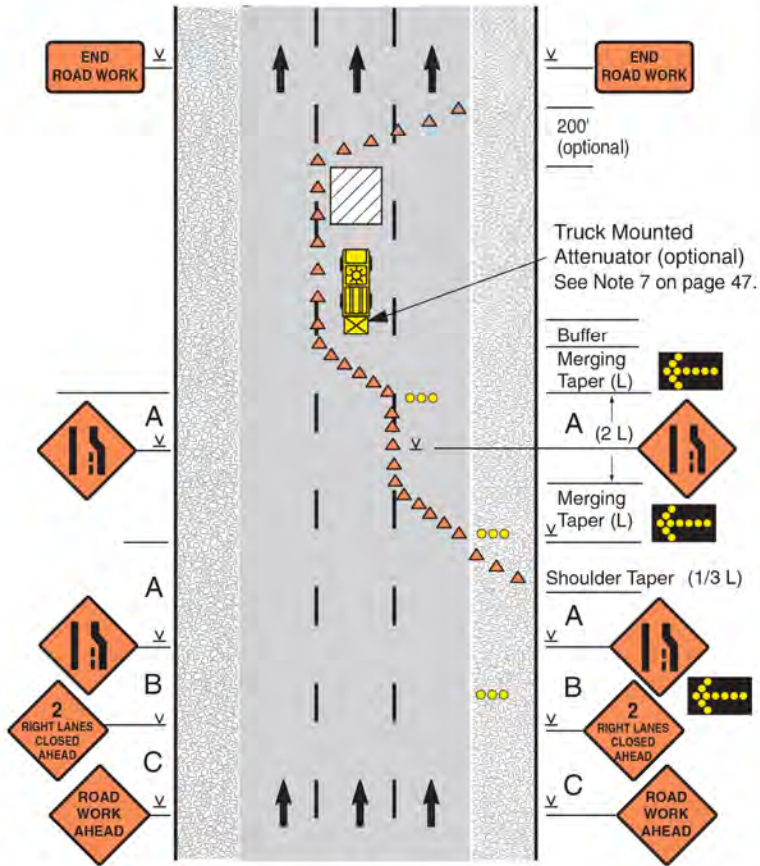


Notes

- When a side road intersects the roadway within the work zone, additional devices shall be erected to channelize traffic to/from the side road, and a ROAD WORK AHEAD sign shall be placed on each side of road approach.
- An arrow board shall be used when a freeway lane is closed. When more than one lane is closed, a separate arrow board shall be used for each.
- Except for freeways, an arrow board is optional based on traffic volume, speed, and visibility. Generally, it is a good practice where speeds are 35 mph or greater. When used, it should be placed near the beginning of the taper or on a vehicle in the work area.
- If an arrow board is not used, a Large Arrow sign or directional indicator barricades in the taper can be used to provide added guidance.

Speed Limit (mph)	Sign Spacing (ft)			Merging Taper (ft) for 12' lane	Buffer (ft)
	A	B	C		
30	200	200	200	180	200
35	350	350	350	245	250
40	350	350	350	320	305
45	500	500	500	540	360
50	1000	1500	2640	600	425
55	1000	1500	2640	660	495
60	1000	1500	2640	720	570
65	1000	1500	2640	780	645
70	consult WisDOT				

Double Lane Closure on Divided or One-Way Roadway



Notes

- When a side road intersects the roadway within the work zone, additional devices shall be erected to channelize traffic to/from the side road, and a ROAD WORK AHEAD sign shall be placed on each side road approach.
- An arrow board shall be used for each freeway lane closed. The second arrow board should be placed near the beginning of the second merging taper or on a vehicle in the work area.

Speed Limit (mph)	Sign Spacing (ft)			Merging Taper (ft) for 12' lane	Buffer (ft)
	A	B	C		
35	350	350	350	245	250
40	350	350	350	320	305
45	500	500	500	540	360
50	1000	1500	2640	600	425
55	1000	1500	2640	660	495
60	1000	1500	2640	720	570
65	1000	1500	2640	780	645
70	consult WisDOT				

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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

N.T.S.

SHEET TITLE

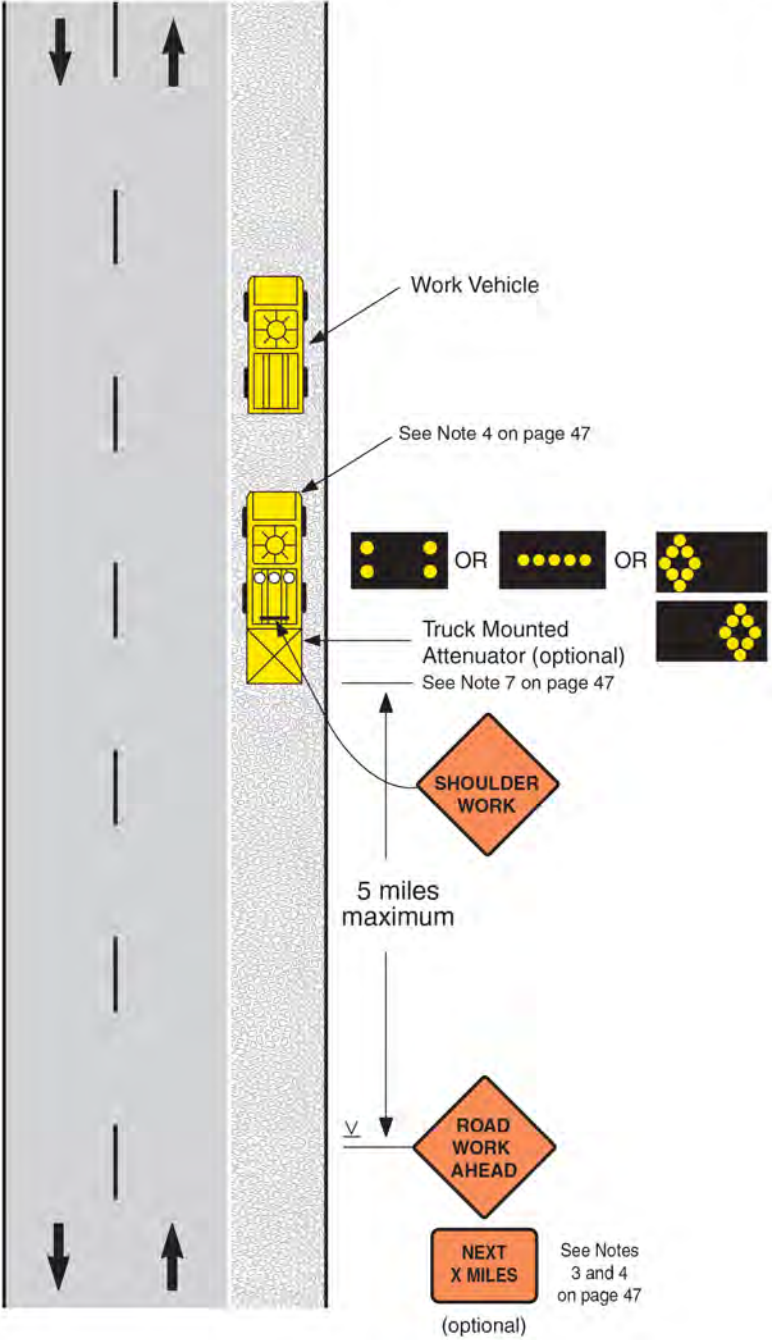
TRAFFIC CONTROL
STANDARD DETAILS

GRID NUMBER

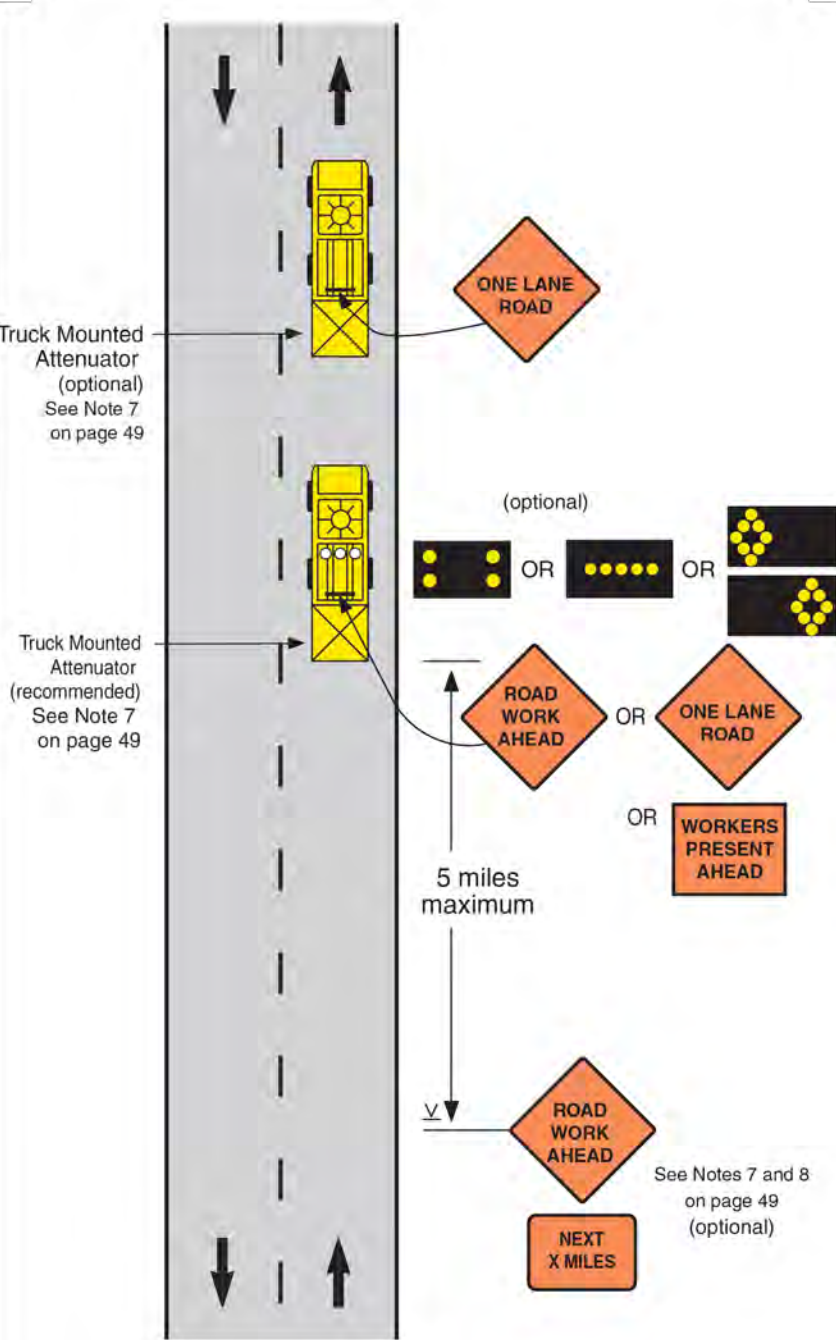
SHEET NUMBER

TCP-10

Mobile Operation on the Shoulder



Mobile Operation on a Two-Lane Road



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TASK NAME

WILC032

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI

SHEET SCALE

N.T.S.

SHEET TITLE

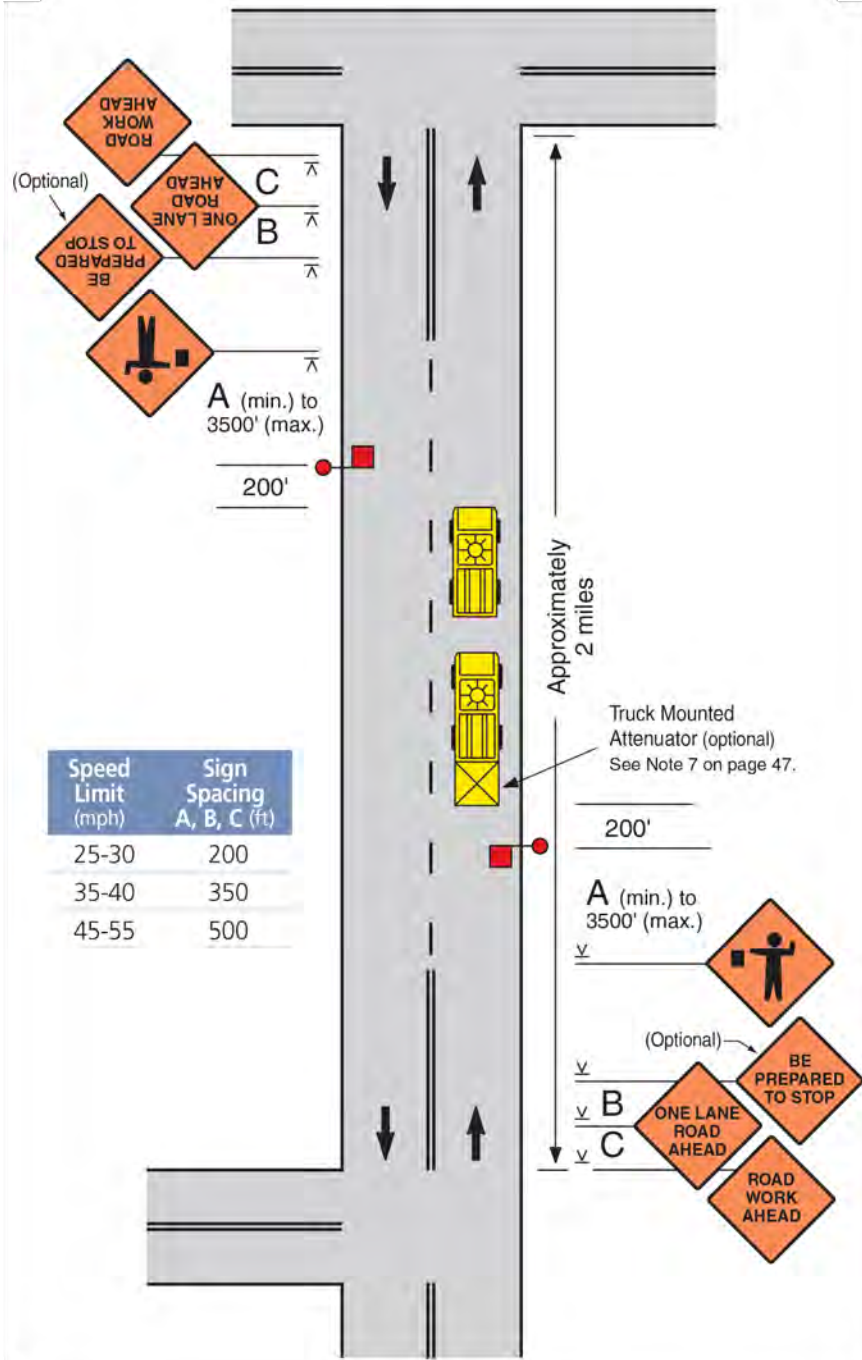
TRAFFIC CONTROL
STANDARD DETAILS

GRID NUMBER

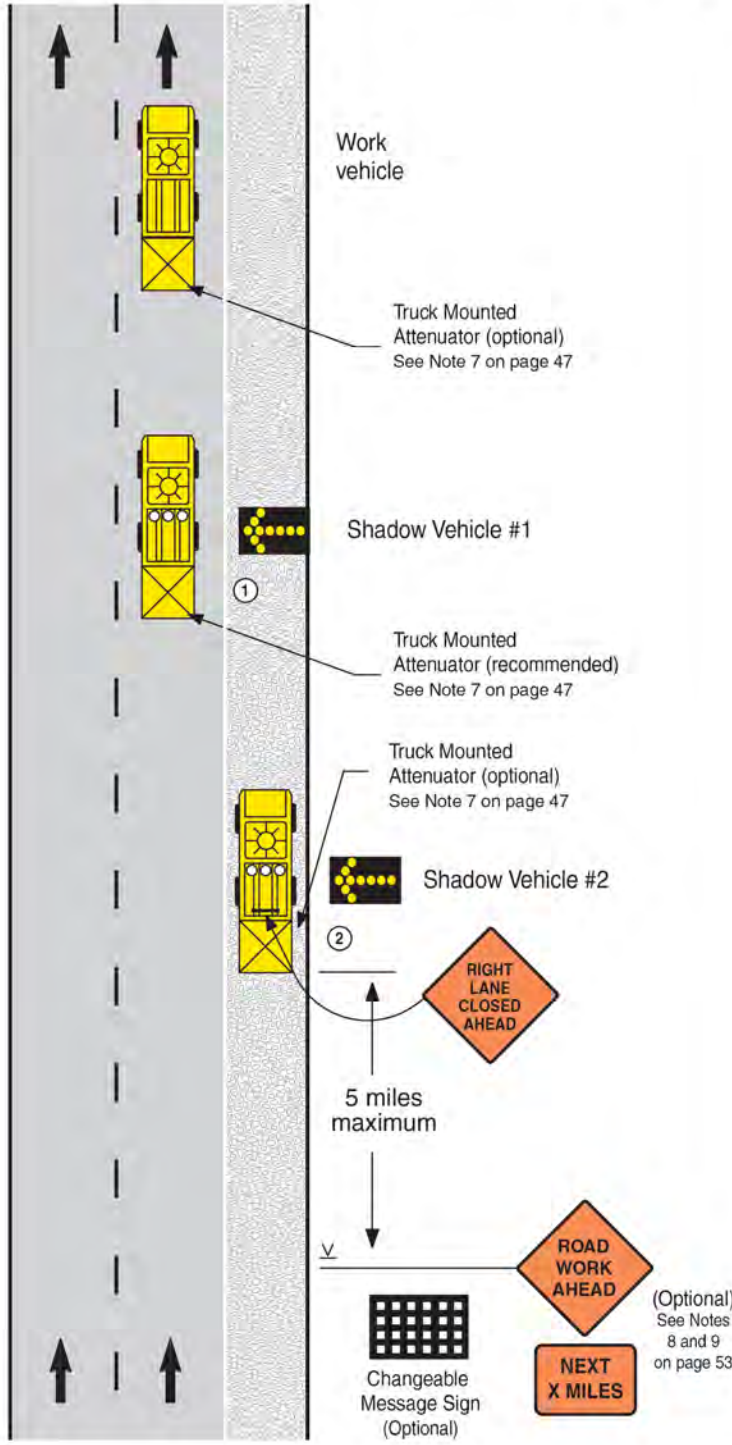
SHEET NUMBER

TCP-11

Mobile Operation on a Two-Lane Road Using Flaggers
(Traveling at less than 3 mph)



Mobile Operation on a Multi-Lane Road



Flagging Procedures



- Properly trained flaggers**
- give clear messages to drivers as shown
 - allow time and distance for drivers to react
 - never stand in moving traffic lane
 - coordinate with other flaggers

- Properly equipped flaggers use**
- approved sign paddles
 - approved safety vest, shirt or coat
 - brightly colored hat for better visibility
 - retroreflective night equipment

- Proper flagging stations have**
- good approach sight distance
 - high visibility to traffic
 - illumination at night

- Proper advance warning**
- always use warning signs
 - allow reaction distance from signs
 - remove signs when not flagging

Flags should only be used in emergency situations. Flags used for signaling shall be a minimum of 24" x 24", red in color and mounted on a staff about 3' long.

See the *Flagger's Handbook* for more information on flagging procedures.
Transportation Information Center-LTAP
University of Wisconsin-Madison
epd.wisc.edu/tic

REV	DATE	DESCRIPTION	BY
A	08/23/24	ISSUED FOR REVIEW	HT
B	10/10/24	REVISED	BP
C	11/12/24	REVISED	BP
D	03/17/25	REVISED	GB
E	04/15/25	REVISED	BP
F	05/07/25	REVISED	GB

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
WILC032

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER
TCP-12