

MATCHLINE - SHEET C-038

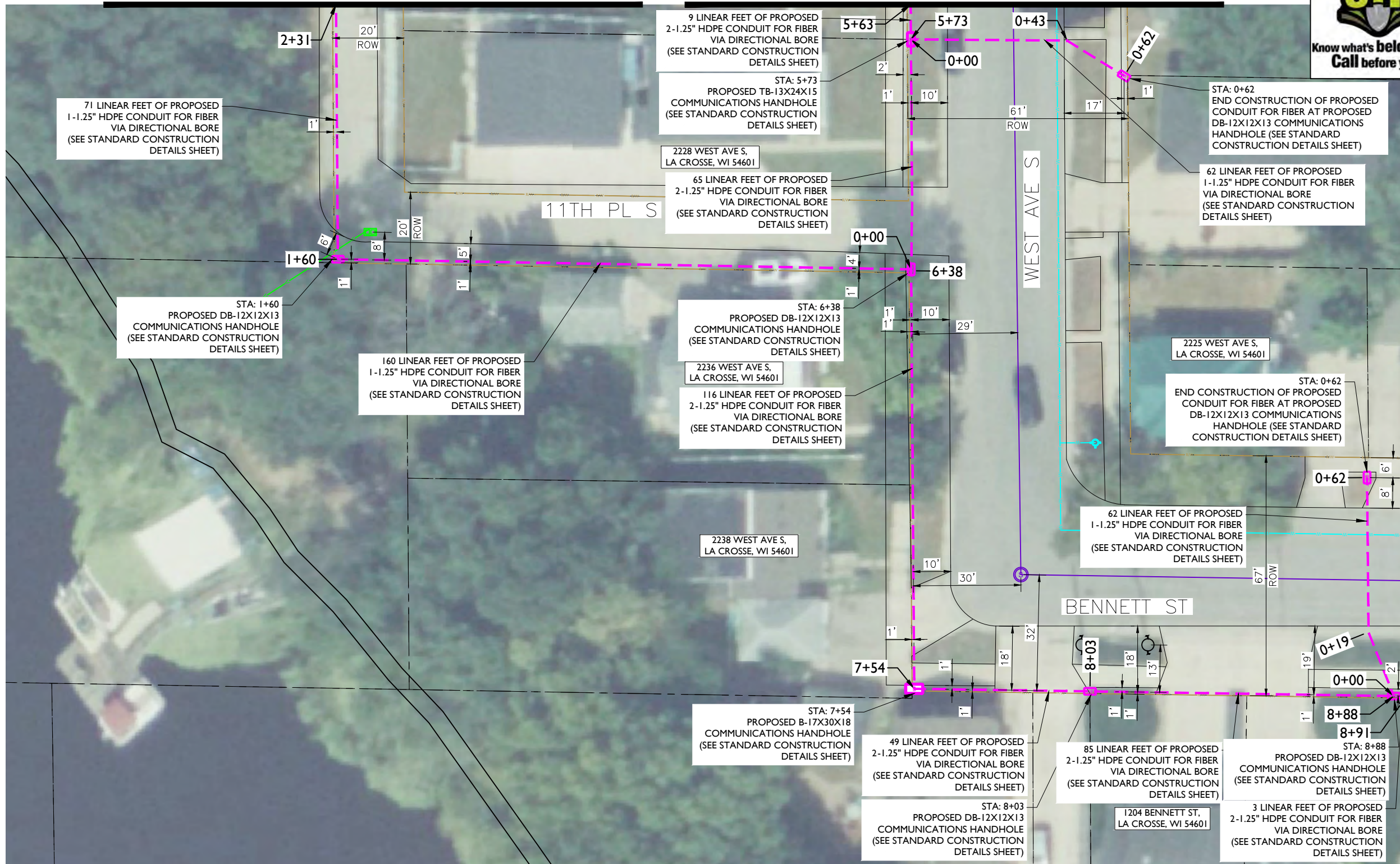
MATCHLINE - SHEET C-038



**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-040

REV	DATE	DESCRIPTION	BY
A	06/14/24	ISSUED FOR REVIEW	IK
B	07/15/24	REVISED	GB
C	11/06/24	REVISED	BP
D	01/31/25	REVISED	HT

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TASK NAME  
**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
1" = 30'-0"

SHEET TITLE  
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER  
C-039

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

**NOTE:**  
RIGHT-OF-WAY LINES SHOWN ARE INFORMATION PROVIDED IN GIS FILE OBTAINED FROM LA CROSSE COUNTY. THE INTENT OF THIS DRAWING IS THAT ALL PROPOSED CONDUIT IS TO BE PLACED WITHIN THE RIGHT-OF-WAY, AT THE BACK OF THE RIGHT-OF-WAY, OR WITHIN THE CITED EASEMENTS.

**NOTE:**

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

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







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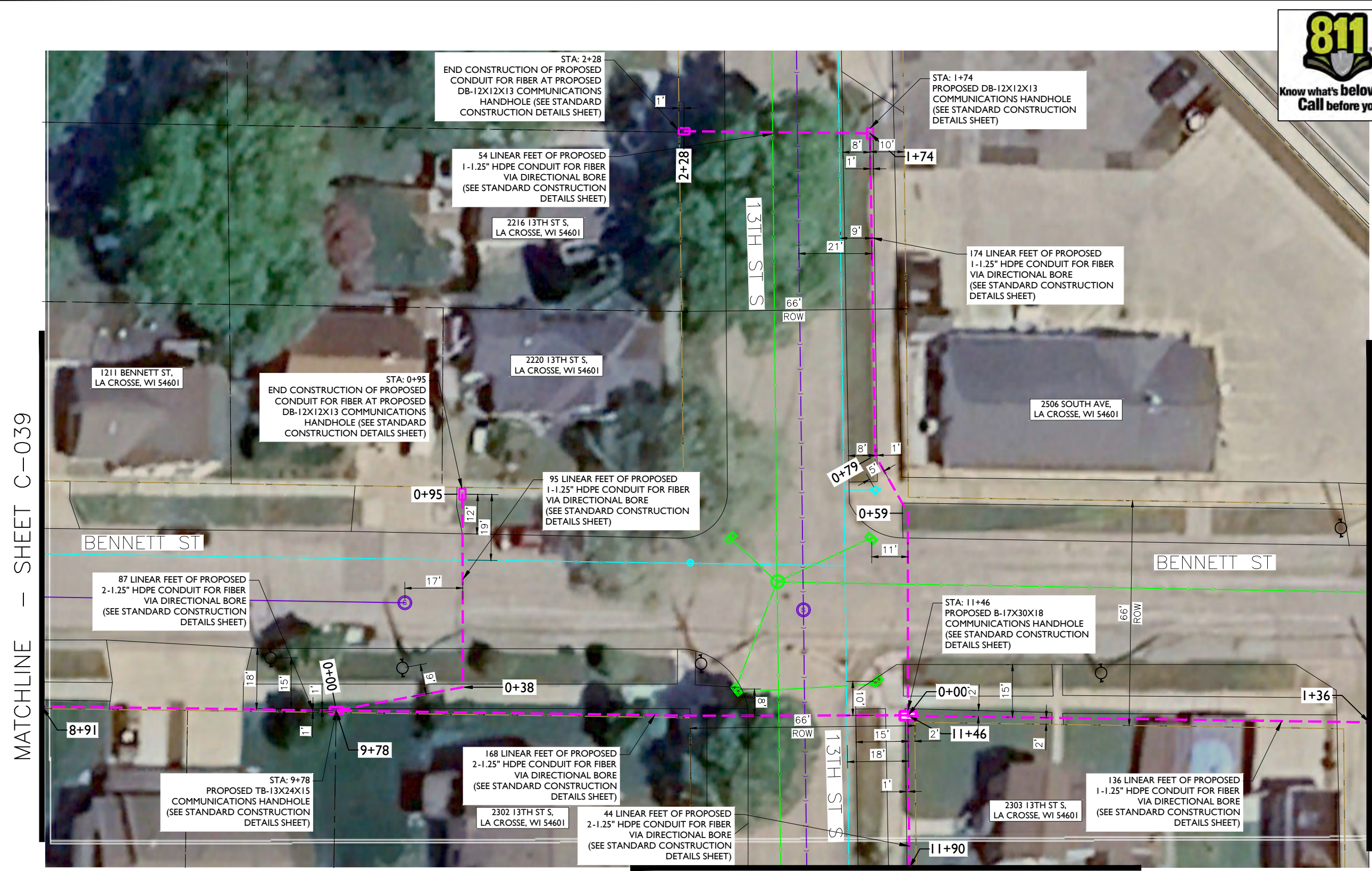
PROJECT AREA  
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MATCHLINE - SHEET C-039

MATCHLINE - SHEET C-036

MATCHLINE - SHEET C-041



MATCHLINE - SHEET C-044

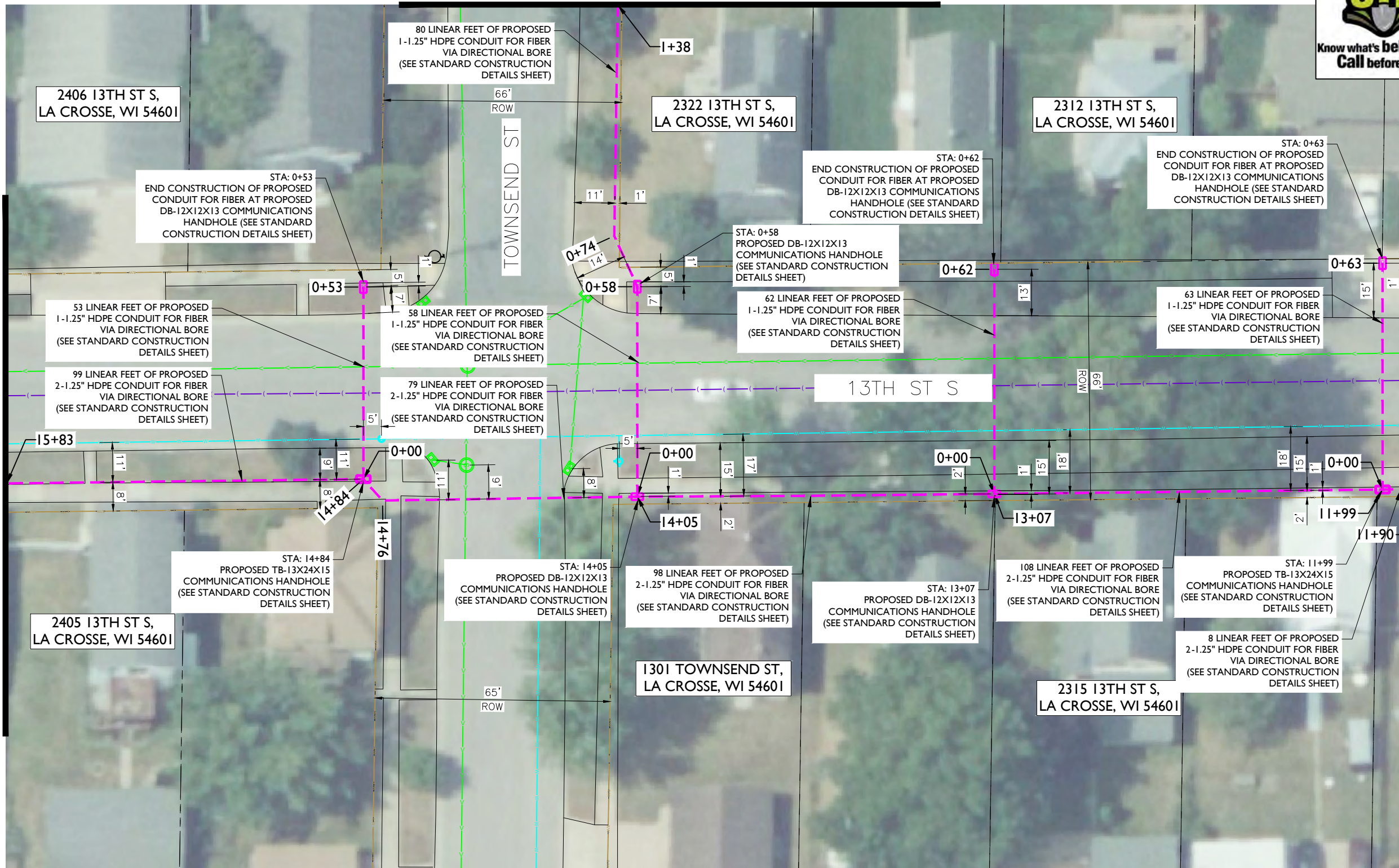


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MATCHLINE - SHEET C-042



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SHEET TITLE  
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER  
C-041

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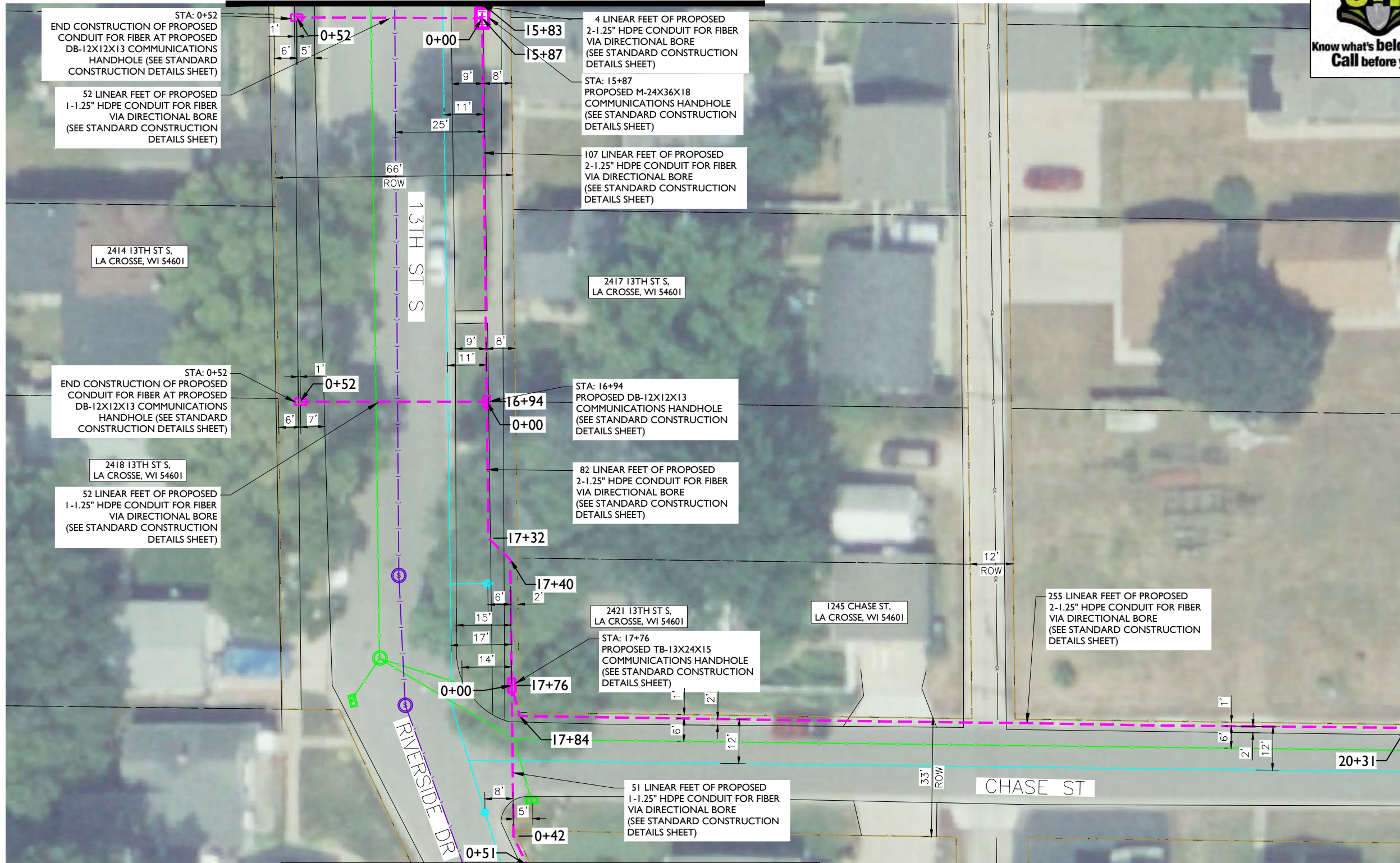
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MATCHLINE - SHEET C-046

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PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
1" = 30'-0"

SHEET TITLE  
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER  
C-042



MATCHLINE - SHEET C-043

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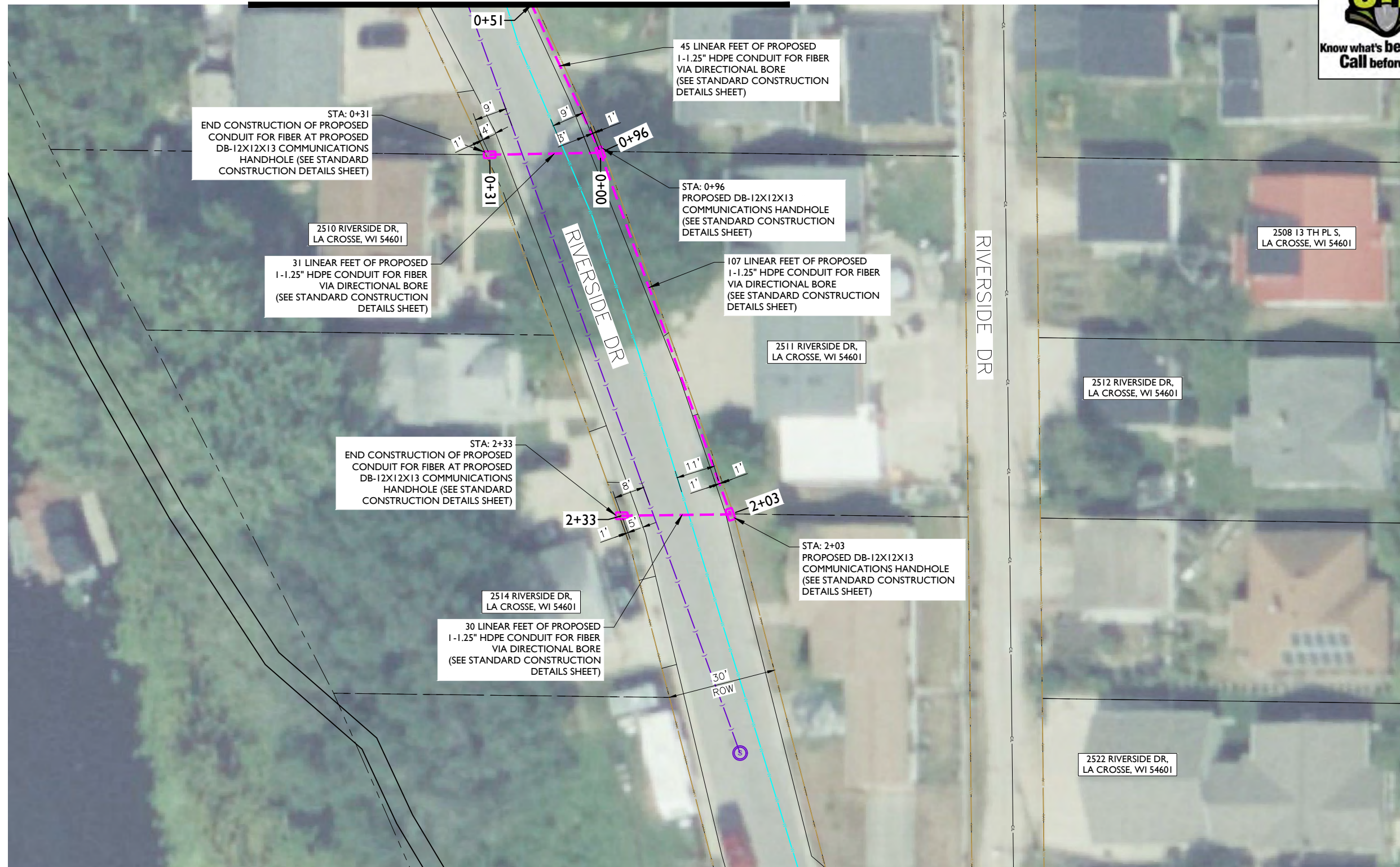
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LACROSSE, WI, USA

SHEET SCALE  
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SHEET TITLE  
**DESIGN LAYOUT**

GRID NUMBER

SHEET NUMBER  
**C-043**

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**C-044**

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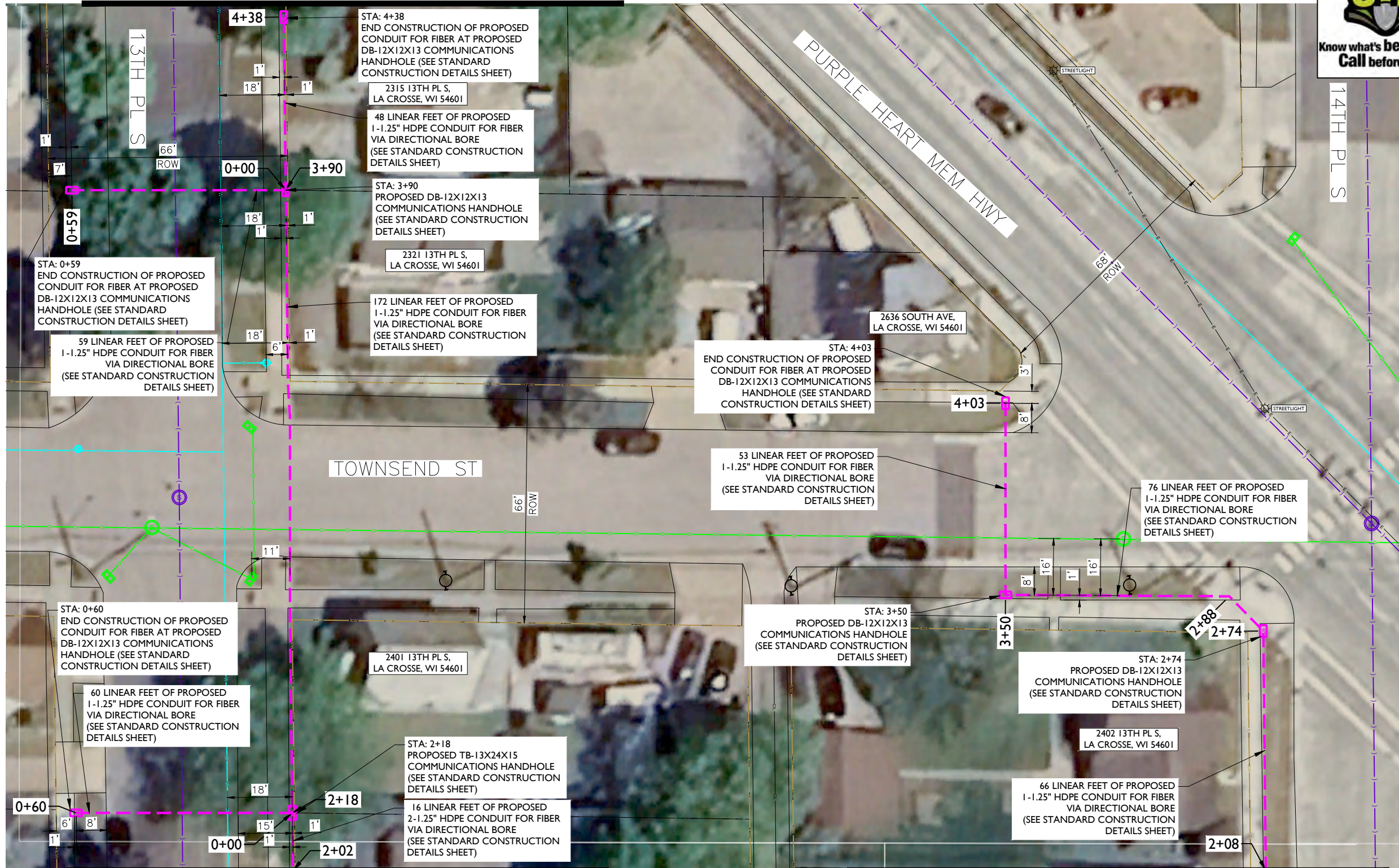
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GRID NUMBER  
SHEET NUMBER  
**C-045**



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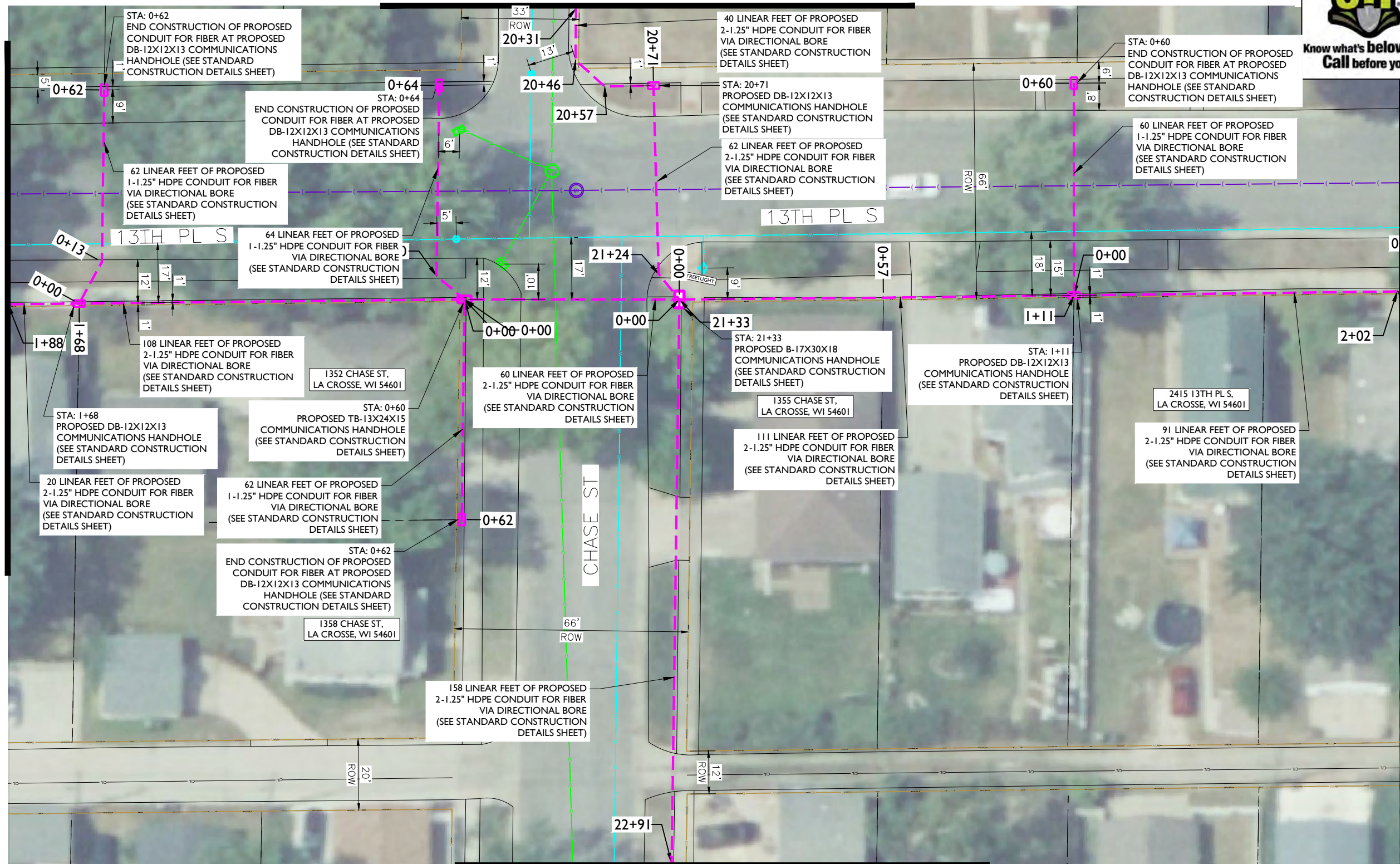


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MATCHLINE - SHEET C-047

MATCHLINE - SHEET C-045



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PROJECT AREA  
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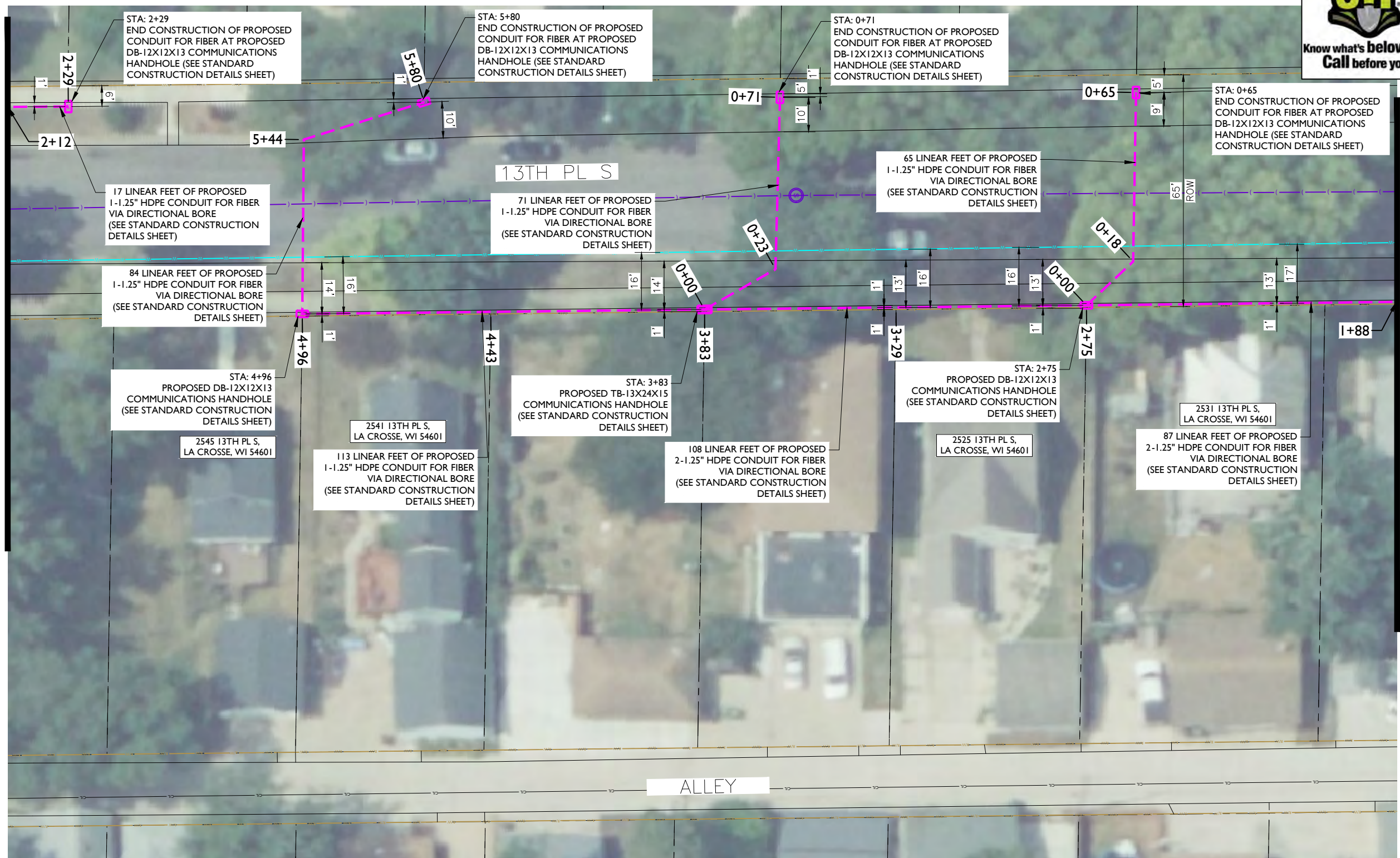






MATCHLINE - SHEET C-048

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PROJECT AREA  
LACROSSE, WI, USA

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GRID NUMBER

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**C-047**

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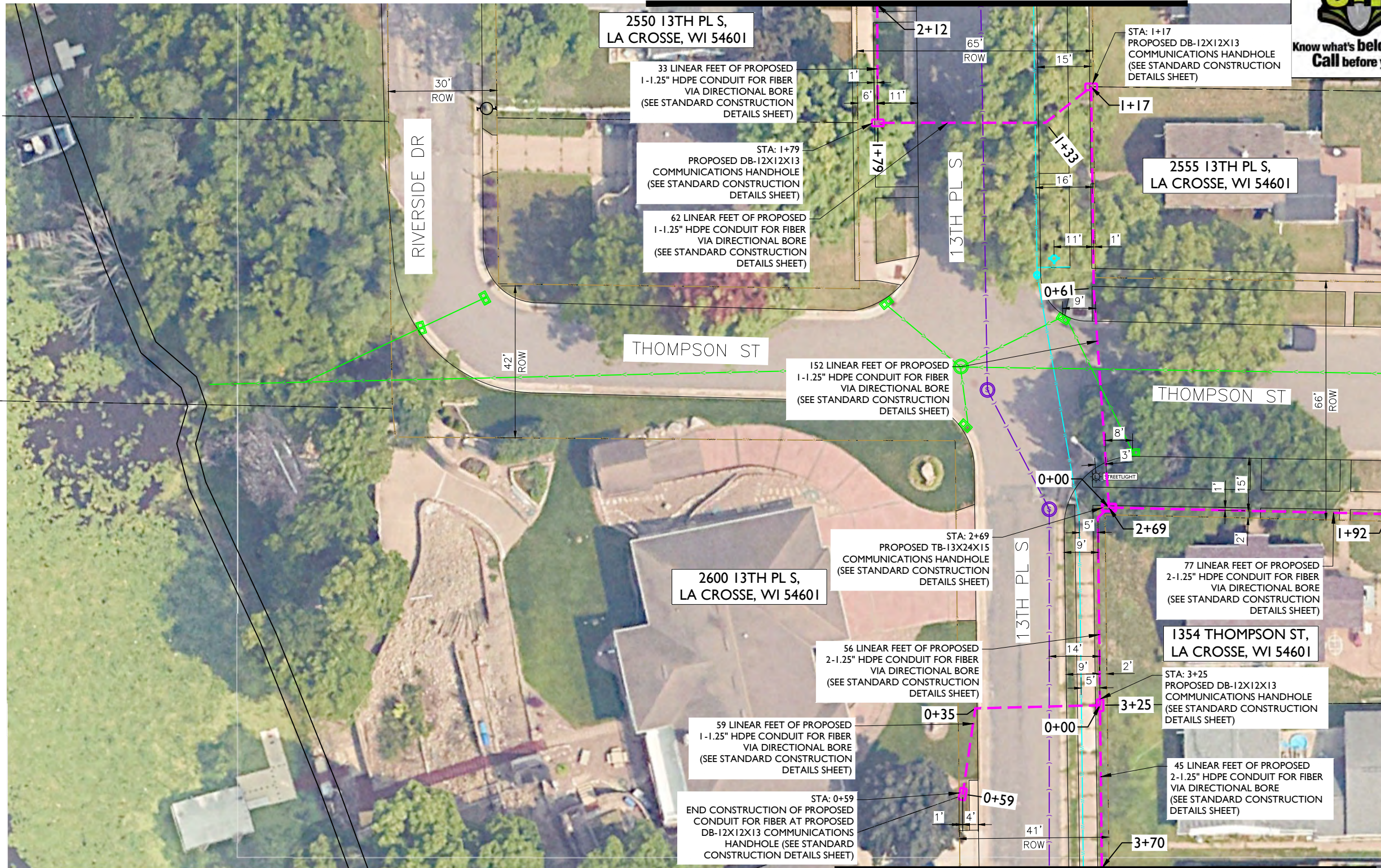
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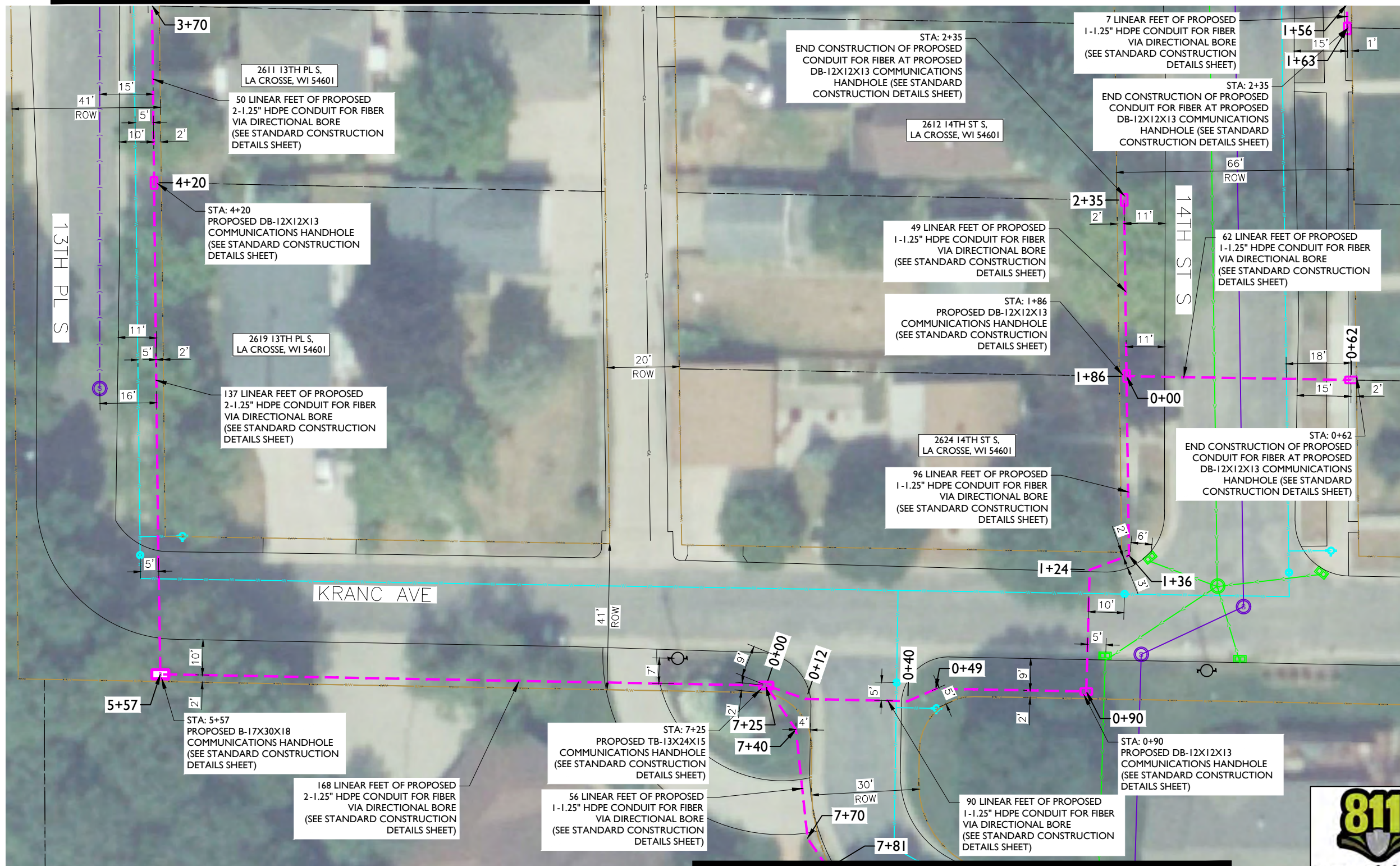
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MATCHLINE - SHEET C-049



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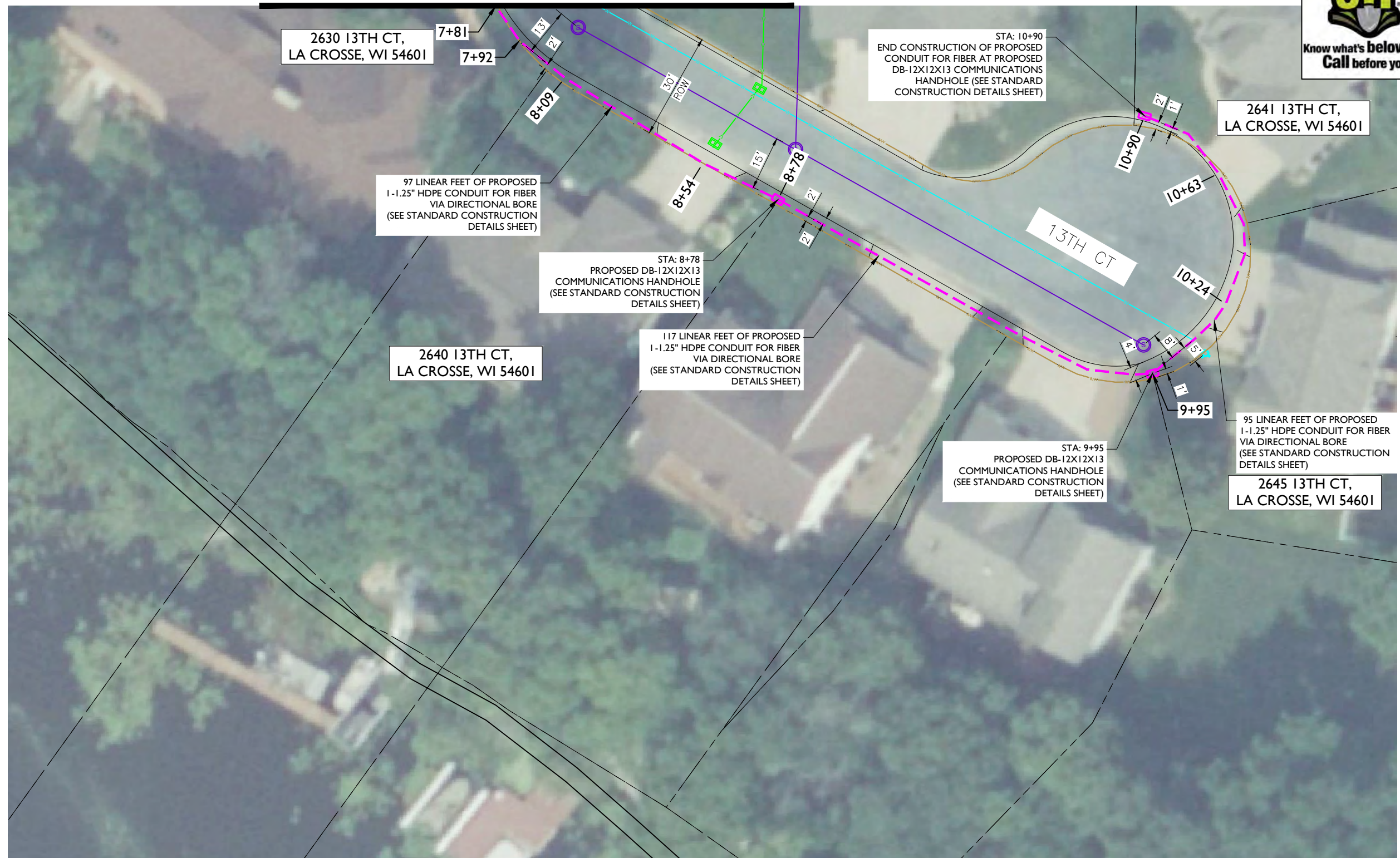
MATCHLINE - SHEET C-050





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2630 13TH CT,  
LA CROSSE, WI 54601

2641 13TH CT,  
LA CROSSE, WI 54601

2640 13TH CT,  
LA CROSSE, WI 54601

2645 13TH CT,  
LA CROSSE, WI 54601

97 LINEAR FEET OF PROPOSED  
1-1.25" HDPE CONDUIT FOR FIBER  
VIA DIRECTIONAL BORE  
(SEE STANDARD CONSTRUCTION  
DETAILS SHEET)

STA: 8+78  
PROPOSED DB-12X12X13  
COMMUNICATIONS HANDHOLE  
(SEE STANDARD CONSTRUCTION  
DETAILS SHEET)

117 LINEAR FEET OF PROPOSED  
1-1.25" HDPE CONDUIT FOR FIBER  
VIA DIRECTIONAL BORE  
(SEE STANDARD CONSTRUCTION  
DETAILS SHEET)

STA: 10+90  
END CONSTRUCTION OF PROPOSED  
CONDUIT FOR FIBER AT PROPOSED  
DB-12X12X13 COMMUNICATIONS  
HANDHOLE (SEE STANDARD  
CONSTRUCTION DETAILS SHEET)

STA: 9+95  
PROPOSED DB-12X12X13  
COMMUNICATIONS HANDHOLE  
(SEE STANDARD CONSTRUCTION  
DETAILS SHEET)

95 LINEAR FEET OF PROPOSED  
1-1.25" HDPE CONDUIT FOR FIBER  
VIA DIRECTIONAL BORE  
(SEE STANDARD CONSTRUCTION  
DETAILS SHEET)

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

**NOTE:**  
RIGHT-OF-WAY LINES SHOWN ARE INFORMATION PROVIDED IN GIS  
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THE RIGHT-OF-WAY, AT THE BACK OF THE RIGHT-OF-WAY, OR WITHIN  
THE CITED EASEMENTS.

**NOTE:**

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

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



REV	DATE	DESCRIPTION	BY
A	06/14/24	ISSUED FOR REVIEW	IK
B	07/15/24	REVISED	GB
C	11/06/24	REVISED	BP
D	01/31/25	REVISED	HT

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

TASK NAME  
**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT  
PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
1" = 30'-0"

SHEET TITLE  
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER  
C-050



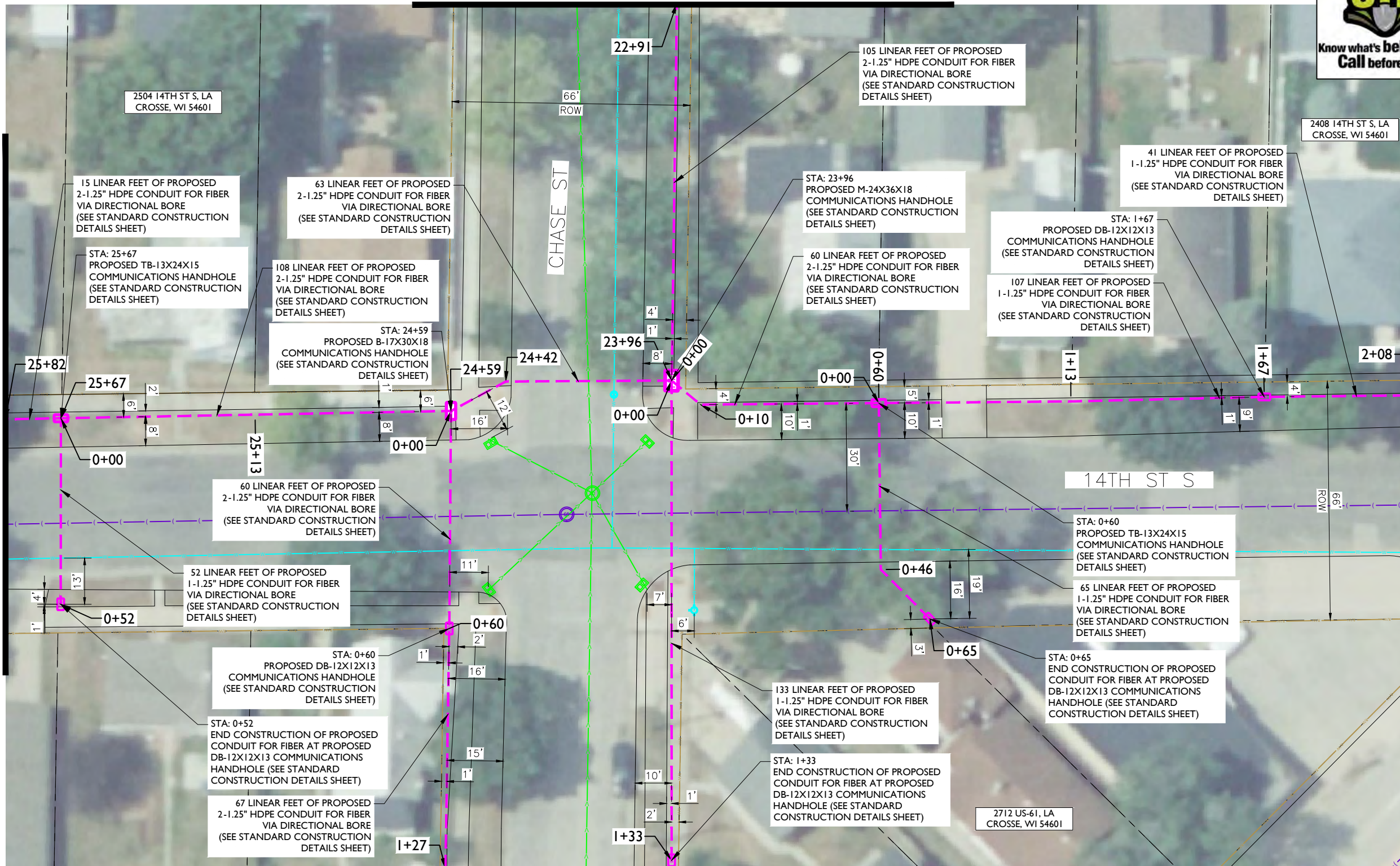
MATCHLINE - SHEET C-046



**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-052



MATCHLINE - SHEET C-045

REV	DATE	DESCRIPTION	BY
A	06/14/24	ISSUED FOR REVIEW	IK
B	07/15/24	REVISED	GB
C	11/06/24	REVISED	BP
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TASK NAME  
**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
1" = 30'-0"

SHEET TITLE  
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER  
C-051

MATCHLINE - SHEET C-054

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

**NOTE:**  
RIGHT-OF-WAY LINES SHOWN ARE INFORMATION PROVIDED IN GIS FILE OBTAINED FROM LA CROSSE COUNTY. THE INTENT OF THIS DRAWING IS THAT ALL PROPOSED CONDUIT IS TO BE PLACED WITHIN THE RIGHT-OF-WAY, AT THE BACK OF THE RIGHT-OF-WAY, OR WITHIN THE CITED EASEMENTS.

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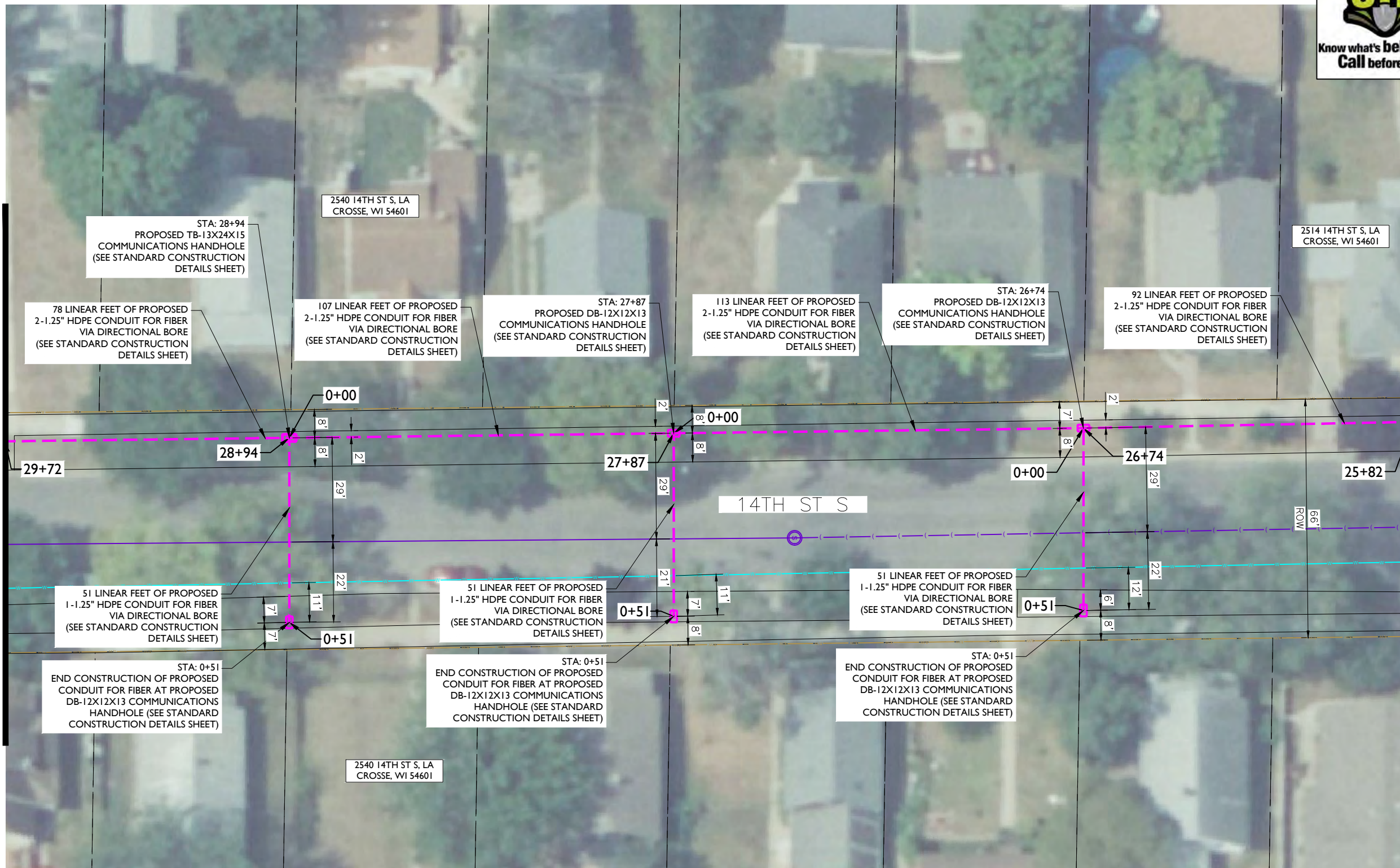
**metronet**  
3701 COMMUNICATIONS WAY  
EVANSVILLE, IN, 47715



1100 E. WOODFIELD ROAD, SUITE 500  
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TEL: 847-908-8400  
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MATCHLINE - SHEET C-053

MATCHLINE - SHEET C-051



REV	DATE	DESCRIPTION	BY
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TASK NAME  
**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
1" = 30'-0"

SHEET TITLE  
**DESIGN LAYOUT**

GRID NUMBER

SHEET NUMBER  
**C-052**

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

**NOTE:**  
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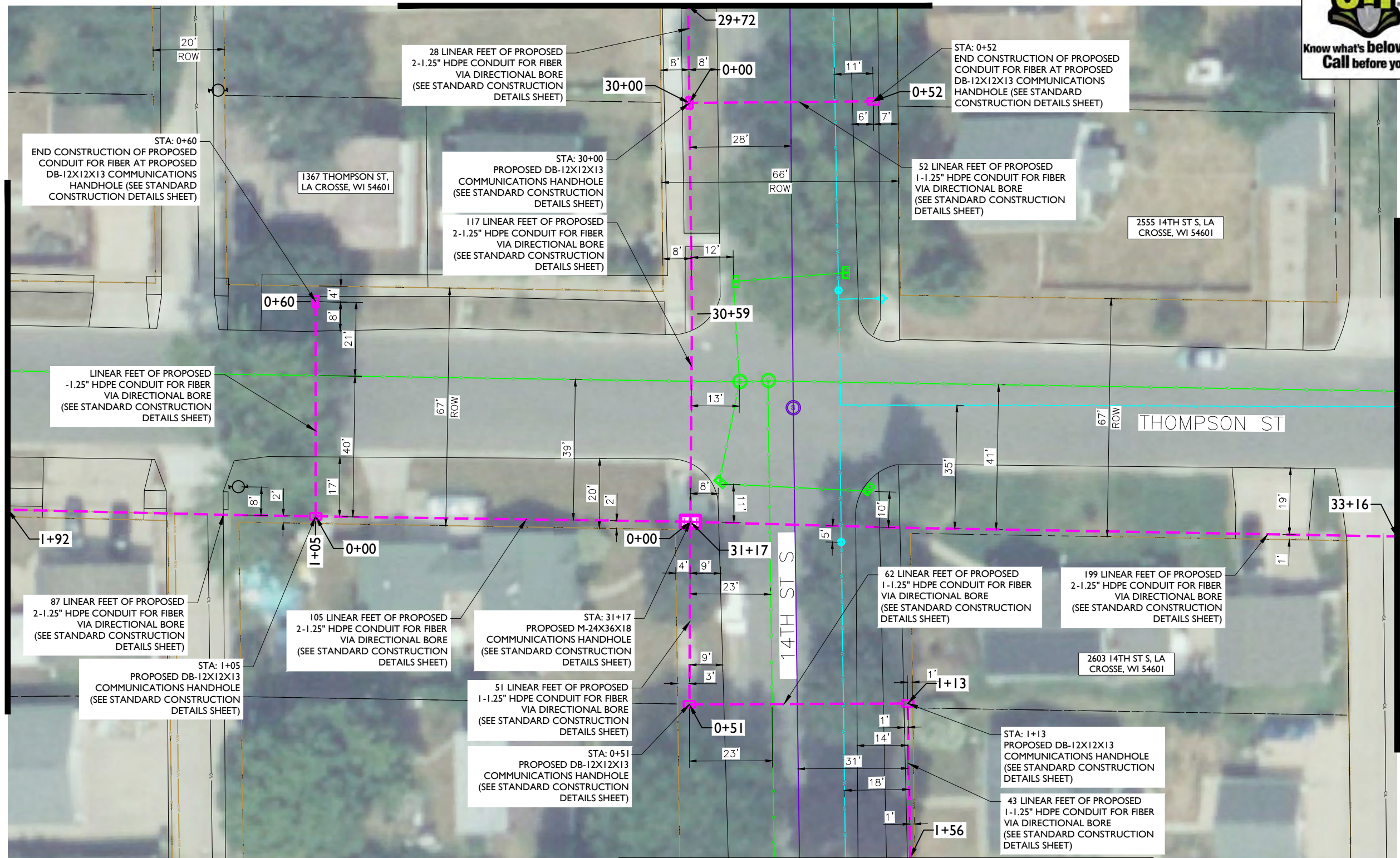
MATCHLINE - SHEET C-052



**metronet**  
3701 COMMUNICATIONS WAY  
EVANSVILLE, IN, 47715



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TEL: 847-908-8400  
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MATCHLINE - SHEET C-048

MATCHLINE - SHEET C-056

REV	DATE	DESCRIPTION	BY
A	06/14/24	ISSUED FOR REVIEW	IK
B	07/15/24	REVISED	GB
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D	01/31/25	REVISED	HT

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TASK NAME  
**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
1" = 30'-0"

SHEET TITLE  
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER  
C-053

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

**NOTE:**  
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MATCHLINE - SHEET C-049





**metronet**  
3701 COMMUNICATIONS WAY  
EVANSVILLE, IN, 47715



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

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TASK NAME  
**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

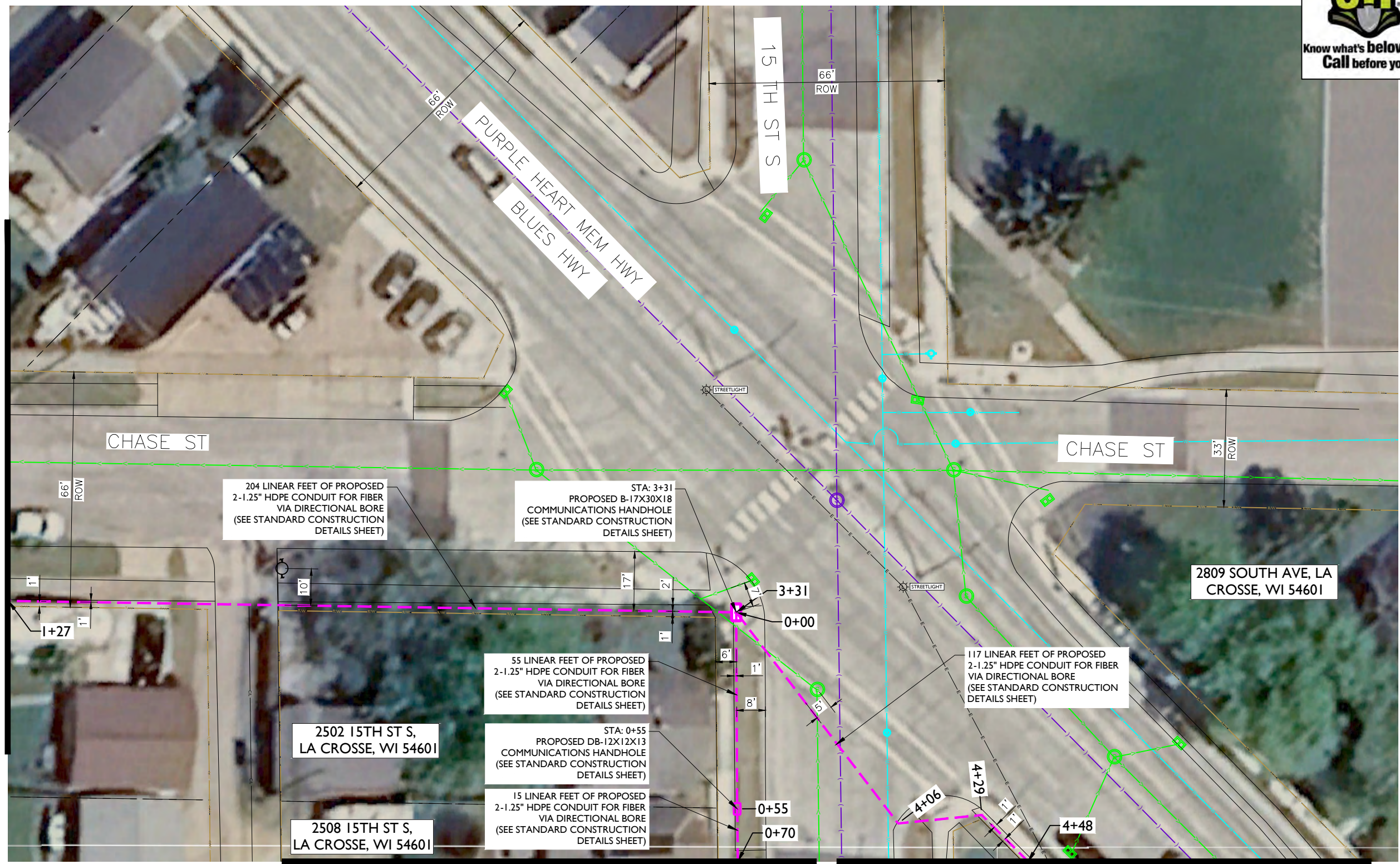
SHEET SCALE  
1" = 30'-0"

SHEET TITLE  
**DESIGN LAYOUT**

GRID NUMBER  
SHEET NUMBER  
**C-054**



MATCHLINE - SHEET C-051



MATCHLINE - SHEET C-055

MATCHLINE - SHEET C-062

**NOTE:**  
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MUST BE PROPERLY LOCATED.

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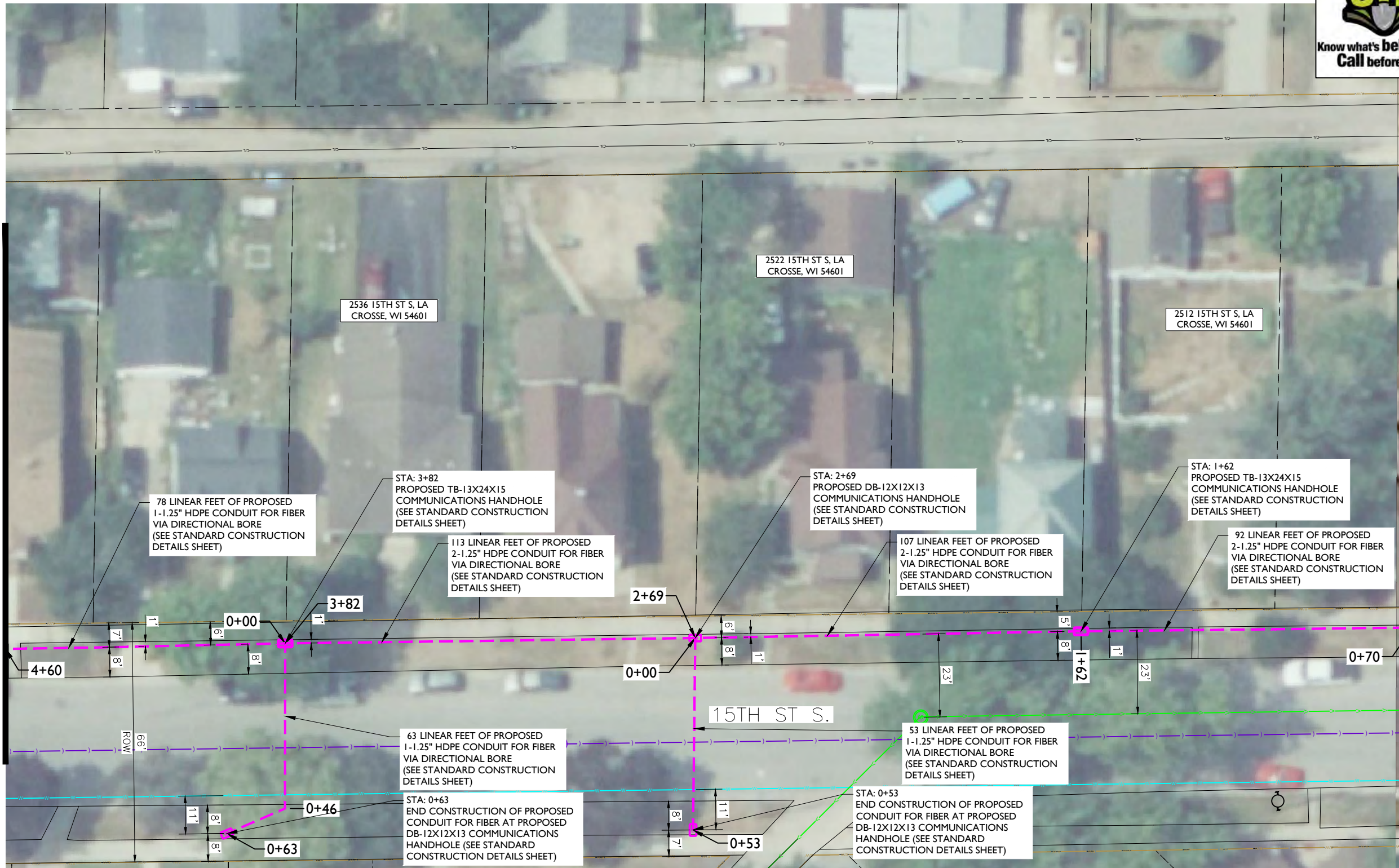
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MATCHLINE - SHEET C-056

MATCHLINE - SHEET C-054



REV	DATE	DESCRIPTION	BY
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TASK NAME  
**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
1" = 30'-0"

SHEET TITLE  
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER  
C-055

**NOTE:**  
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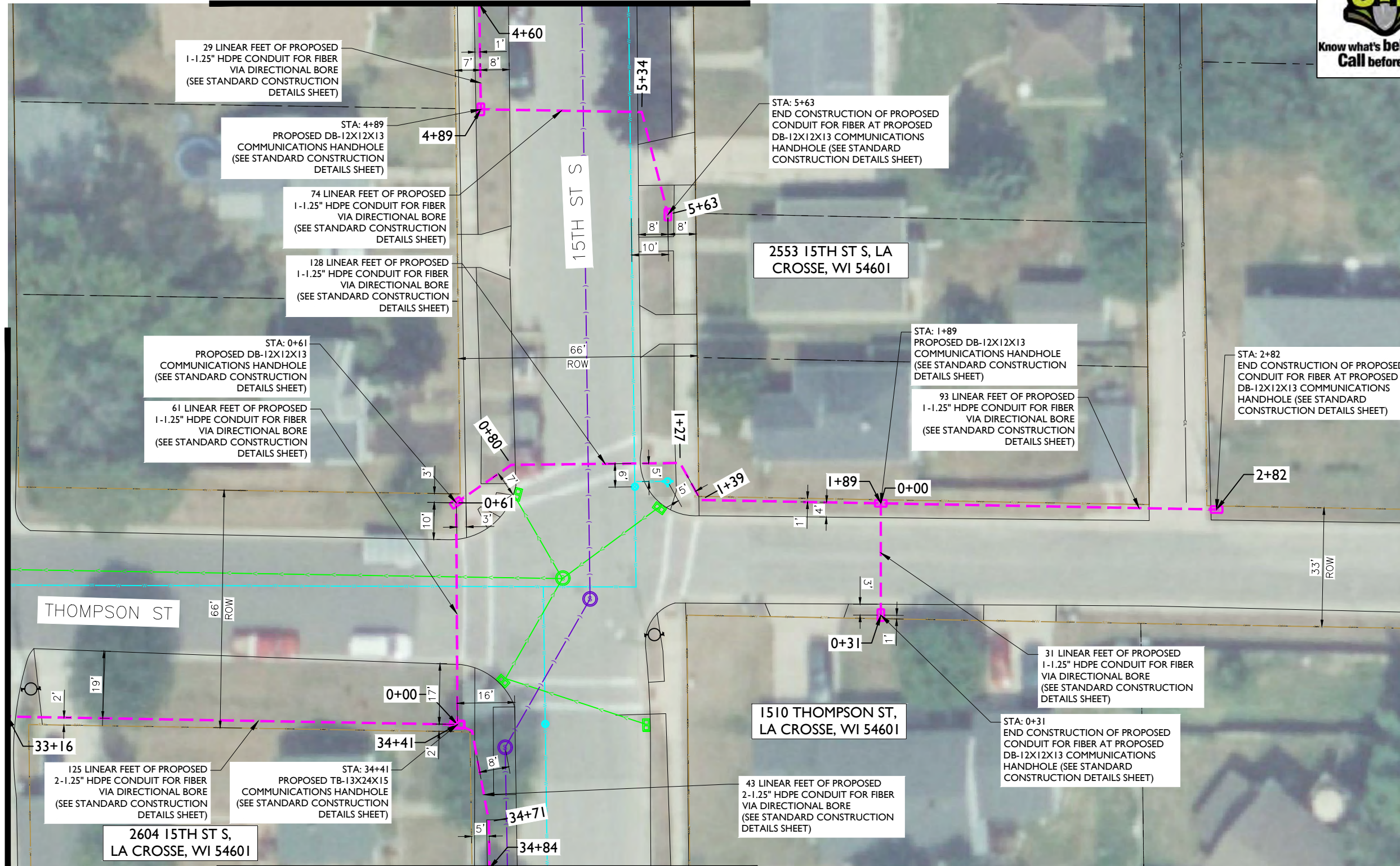
MATCHLINE — SHEET C-055



**metronet**  
3701 COMMUNICATIONS WAY  
EVANSVILLE, IN, 47715



1100 E. WOODFIELD ROAD, SUITE 500  
SCHAUMBURG, ILLINOIS 60173  
TEL: 847-908-8400  
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MATCHLINE — SHEET C-053

MATCHLINE — SHEET C-057

REV	DATE	DESCRIPTION	BY
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TASK NAME  
**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
1" = 30'-0"

SHEET TITLE  
DESIGN LAYOUT

GRID NUMBER  
SHEET NUMBER  
**C-056**

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Know what's below.  
Call before you dig.

metronet

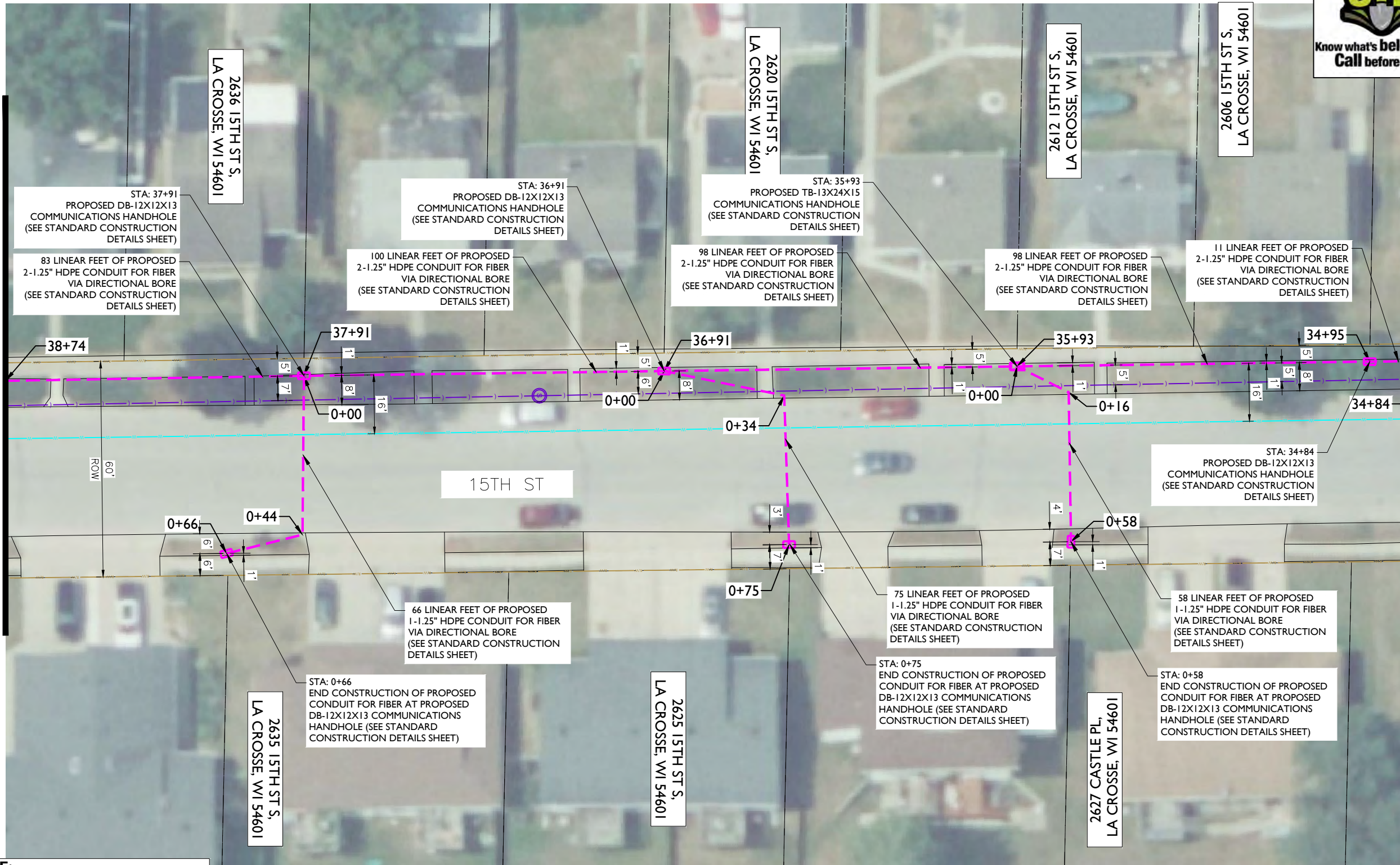
3701 COMMUNICATIONS WAY  
EVANSVILLE, IN, 47715



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SCHAUMBURG, ILLINOIS 60173  
TEL: 847-908-8400  
COA# 3620-11  
www.fullerton-us.com

MATCHLINE - SHEET C-058

MATCHLINE - SHEET C-056



REV	DATE	DESCRIPTION	BY
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TASK NAME

WILC011

TASK DESCRIPTION  
FIBER OPTIC CONDUIT  
PLACEMENT

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
1" = 30'-0"

SHEET TITLE  
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER  
C-057

NOTE:  
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NOTE:  
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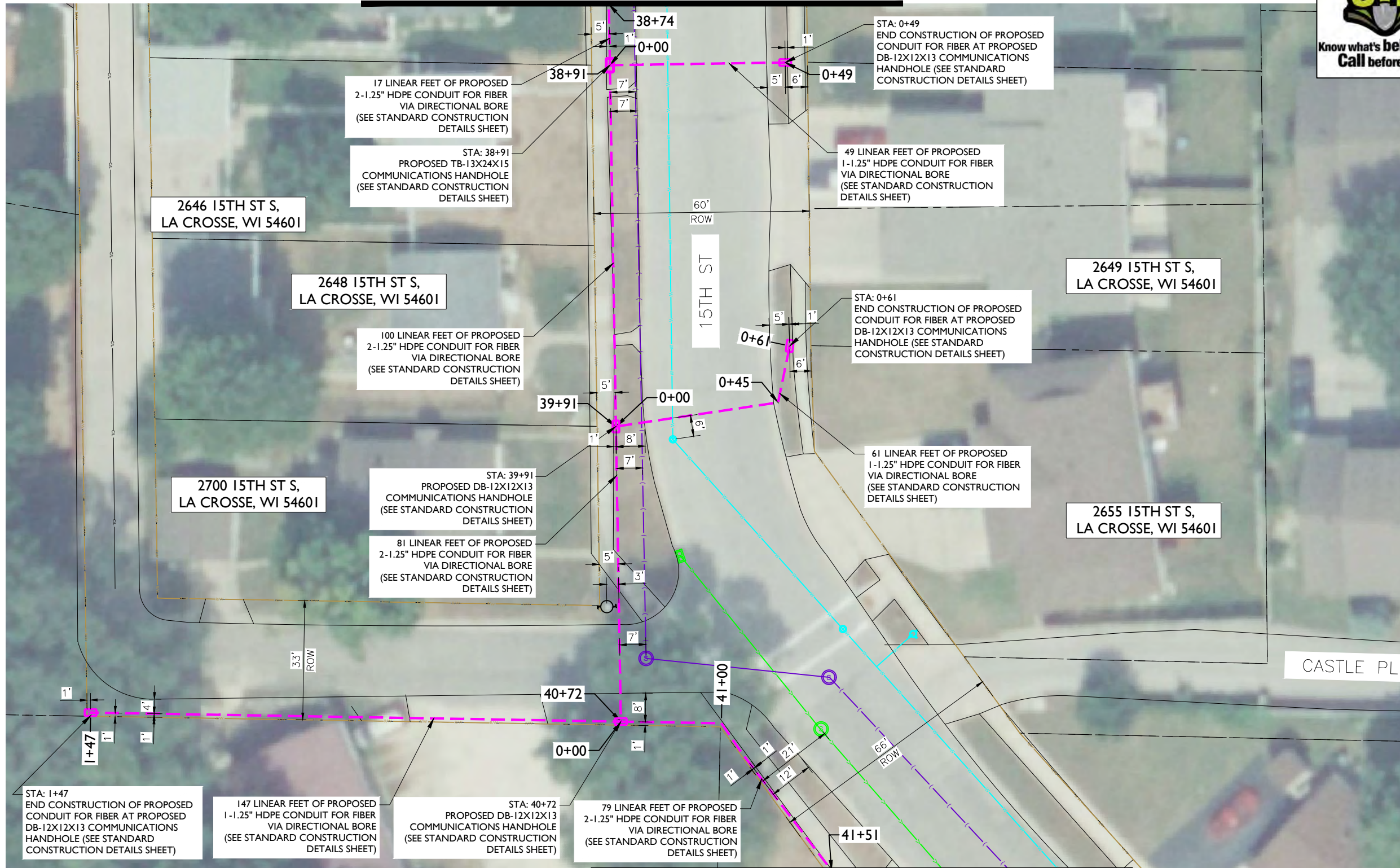
MATCHLINE - SHEET C-057



**metronet**  
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EVANSVILLE, IN, 47715



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TASK NAME  
**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
1" = 30'-0"

SHEET TITLE  
DESIGN LAYOUT

GRID NUMBER  
SHEET NUMBER  
**C-058**

MATCHLINE - SHEET C-059

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

**NOTE:**  
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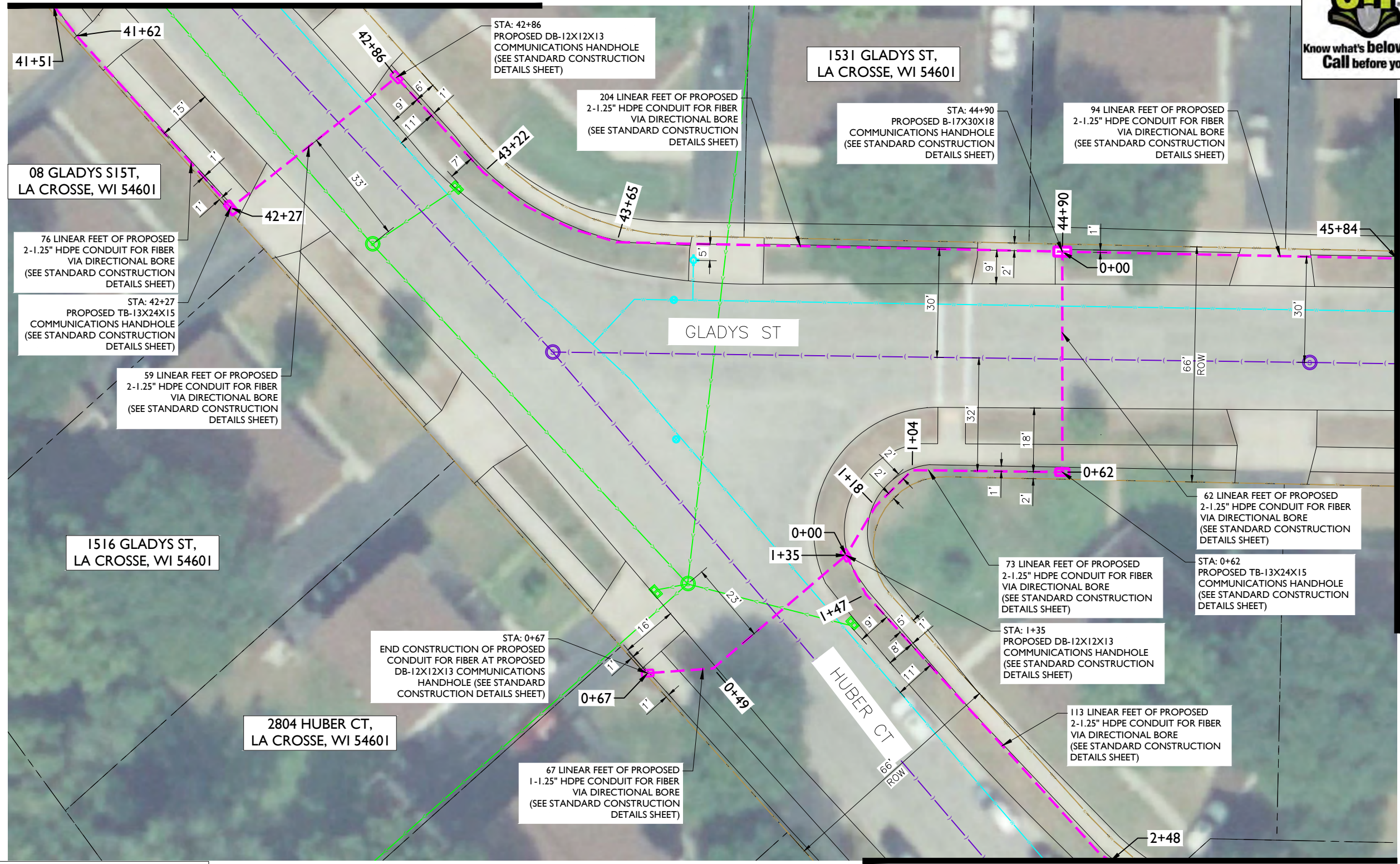


MATCHLINE - SHEET C-058



**metronet**  
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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-060

REV	DATE	DESCRIPTION	BY
A	06/14/24	ISSUED FOR REVIEW	IK
B	07/15/24	REVISED	GB
C	11/06/24	REVISED	BP
D	01/31/25	REVISED	HT

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TASK NAME  
**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
1" = 30'-0"

SHEET TITLE  
**DESIGN LAYOUT**

GRID NUMBER  
SHEET NUMBER  
**C-059**

**NOTE:**  
PRIOR TO CONSTRUCTION  
ALL STREET LIGHT WIRING  
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**NOTE:**  
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MATCHLINE - SHEET C-061

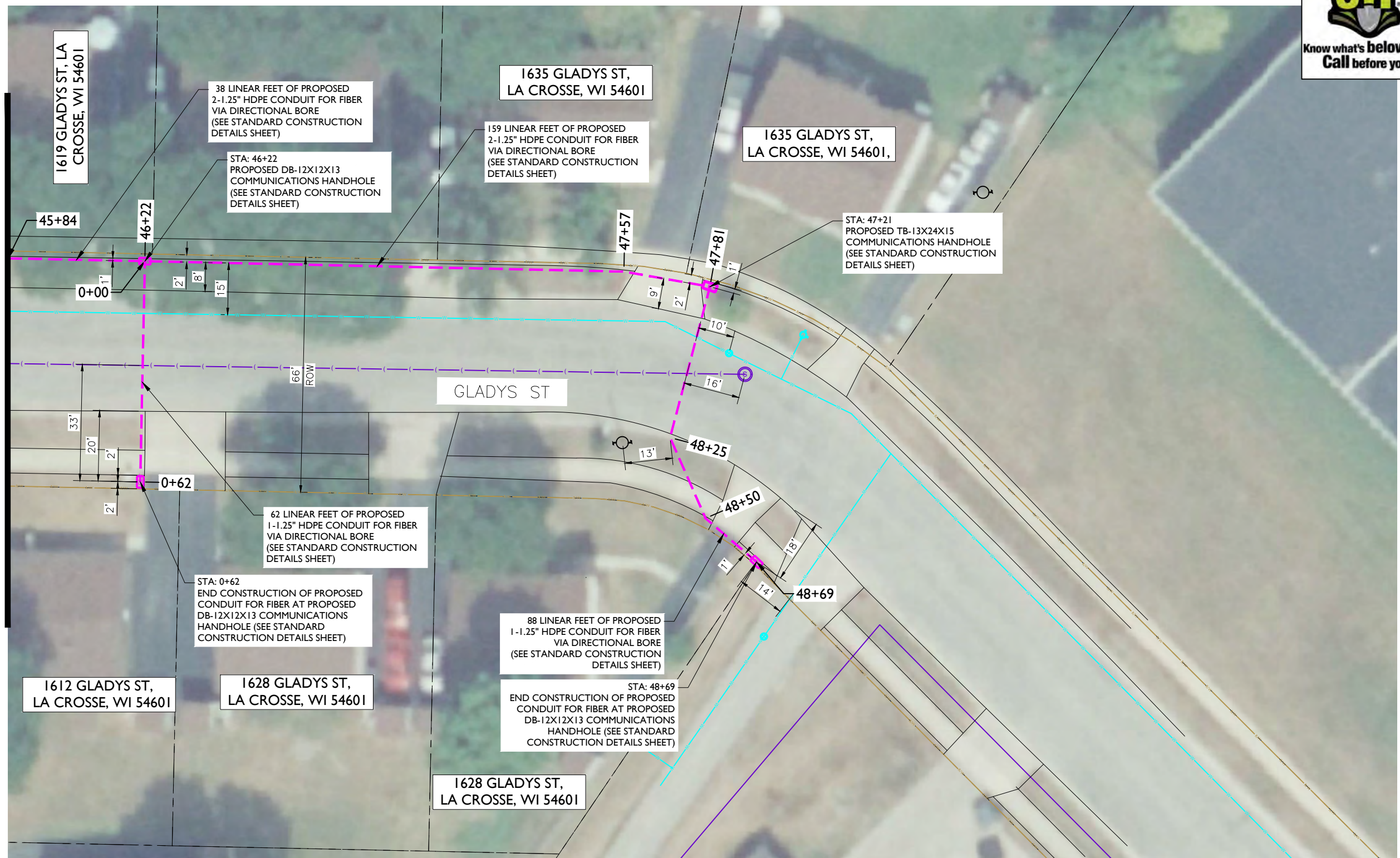




**metronet**  
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**Fullerton**  
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 TEL: 847-908-8400  
 COA# 3620-11  
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MATCHLINE - SHEET C-059



REV	DATE	DESCRIPTION	BY
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TASK NAME  
**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
 LACROSSE, WI, USA

SHEET SCALE  
 1" = 30'-0"

SHEET TITLE  
**DESIGN LAYOUT**

GRID NUMBER  
 SHEET NUMBER  
**C-060**

**NOTE:**  
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**NOTE:**  
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MATCHLINE - SHEET C-059

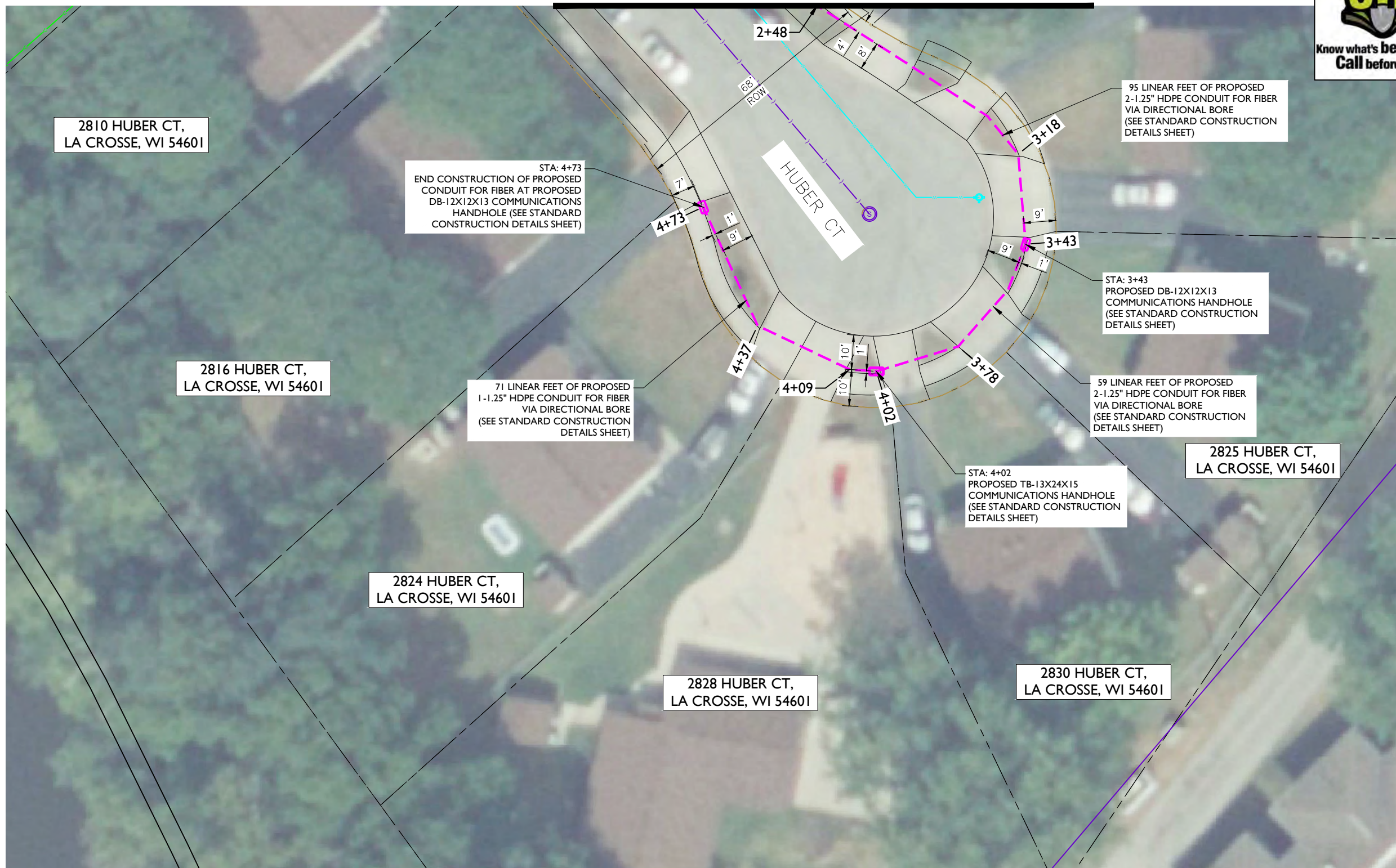


metronet

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TEL: 847-908-8400  
COA# 3620-11  
www.fullerton-us.com



2810 HUBER CT,  
LA CROSSE, WI 54601

STA: 4+73  
END CONSTRUCTION OF PROPOSED  
CONDUIT FOR FIBER AT PROPOSED  
DB-12X12X13 COMMUNICATIONS  
HANDHOLE (SEE STANDARD  
CONSTRUCTION DETAILS SHEET)

95 LINEAR FEET OF PROPOSED  
2-1.25" HDPE CONDUIT FOR FIBER  
VIA DIRECTIONAL BORE  
(SEE STANDARD CONSTRUCTION  
DETAILS SHEET)

2816 HUBER CT,  
LA CROSSE, WI 54601

71 LINEAR FEET OF PROPOSED  
1-1.25" HDPE CONDUIT FOR FIBER  
VIA DIRECTIONAL BORE  
(SEE STANDARD CONSTRUCTION  
DETAILS SHEET)

STA: 3+43  
PROPOSED DB-12X12X13  
COMMUNICATIONS HANDHOLE  
(SEE STANDARD CONSTRUCTION  
DETAILS SHEET)

59 LINEAR FEET OF PROPOSED  
2-1.25" HDPE CONDUIT FOR FIBER  
VIA DIRECTIONAL BORE  
(SEE STANDARD CONSTRUCTION  
DETAILS SHEET)

2825 HUBER CT,  
LA CROSSE, WI 54601

STA: 4+02  
PROPOSED TB-13X24X15  
COMMUNICATIONS HANDHOLE  
(SEE STANDARD CONSTRUCTION  
DETAILS SHEET)

2824 HUBER CT,  
LA CROSSE, WI 54601

2828 HUBER CT,  
LA CROSSE, WI 54601

2830 HUBER CT,  
LA CROSSE, WI 54601

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

**NOTE:**  
RIGHT-OF-WAY LINES SHOWN ARE INFORMATION PROVIDED IN GIS  
FILE OBTAINED FROM LA CROSSE COUNTY. THE INTENT OF THIS  
DRAWING IS THAT ALL PROPOSED CONDUIT IS TO BE PLACED WITHIN  
THE RIGHT-OF-WAY, AT THE BACK OF THE RIGHT-OF-WAY, OR WITHIN  
THE CITED EASEMENTS.

**NOTE:**

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

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



REV	DATE	DESCRIPTION	BY
A	06/14/24	ISSUED FOR REVIEW	IK
B	07/15/24	REVISED	GB
C	11/06/24	REVISED	BP
D	01/31/25	REVISED	HT

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SUPERVISION AND CONTROL, AND TO THE BEST  
OF MY KNOWLEDGE AND BELIEF COMPLY WITH  
THE REQUIREMENTS OF ALL APPLICABLE CODES.

TASK NAME  
**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT  
PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
1" = 30'-0"

SHEET TITLE  
**DESIGN LAYOUT**

GRID NUMBER

SHEET NUMBER  
**C-061**



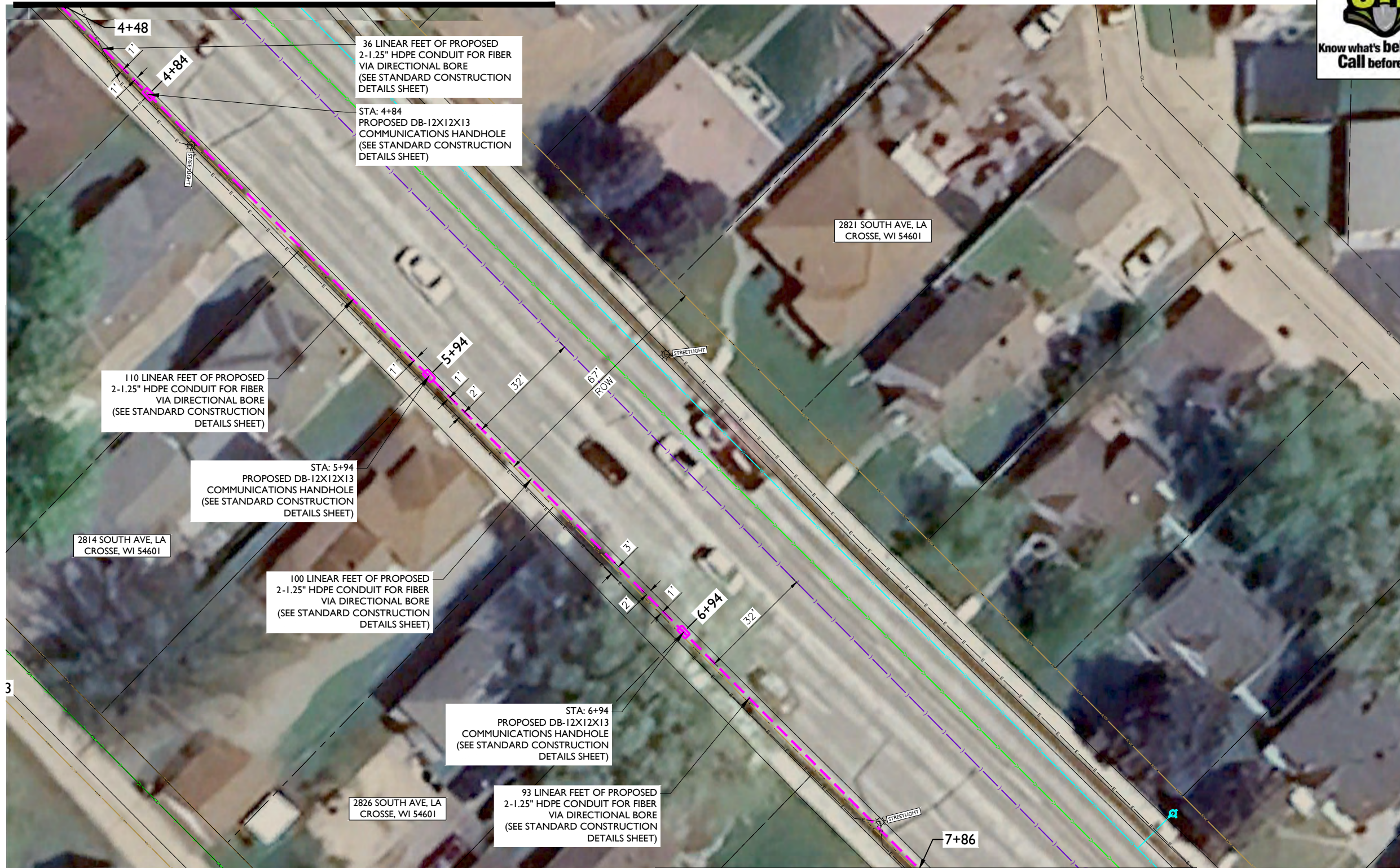
MATCHLINE - SHEET C-054



**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



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TASK NAME  
**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
1" = 30'-0"

SHEET TITLE  
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER  
C-062

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

**NOTE:**  
RIGHT-OF-WAY LINES SHOWN ARE INFORMATION PROVIDED IN GIS FILE OBTAINED FROM LA CROSSE COUNTY. THE INTENT OF THIS DRAWING IS THAT ALL PROPOSED CONDUIT IS TO BE PLACED WITHIN THE RIGHT-OF-WAY, AT THE BACK OF THE RIGHT-OF-WAY, OR WITHIN THE CITED EASEMENTS.

**NOTE:**

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

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



MATCHLINE - SHEET C-063



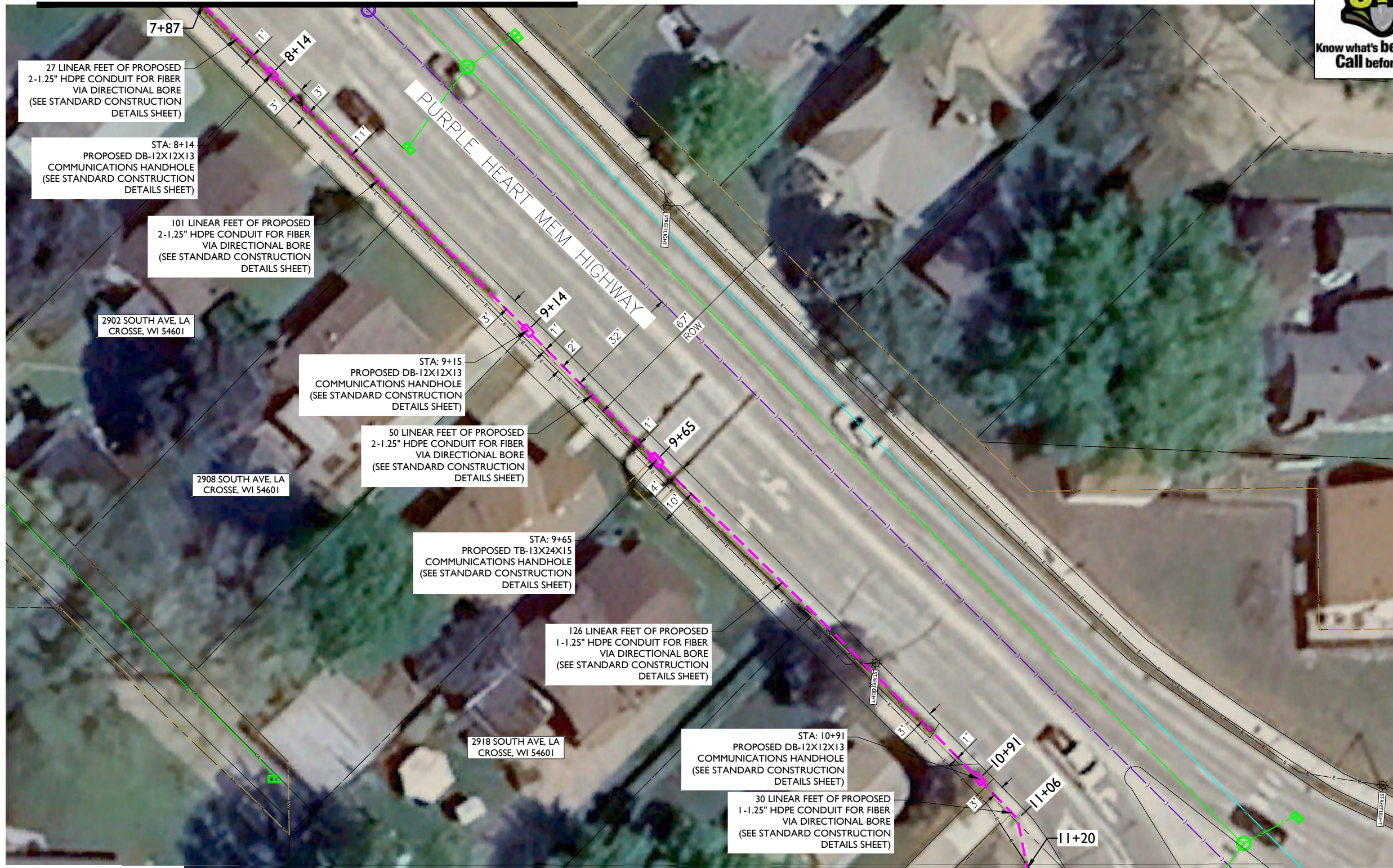
MATCHLINE - SHEET C-062



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3701 COMMUNICATIONS WAY  
EVANSVILLE, IN, 47715



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TASK NAME  
**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
1" = 30'-0"

SHEET TITLE  
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER  
C-063

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

**NOTE:**  
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**NOTE:**

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

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



MATCHLINE - SHEET C-064



MATCHLINE - SHEET C-063



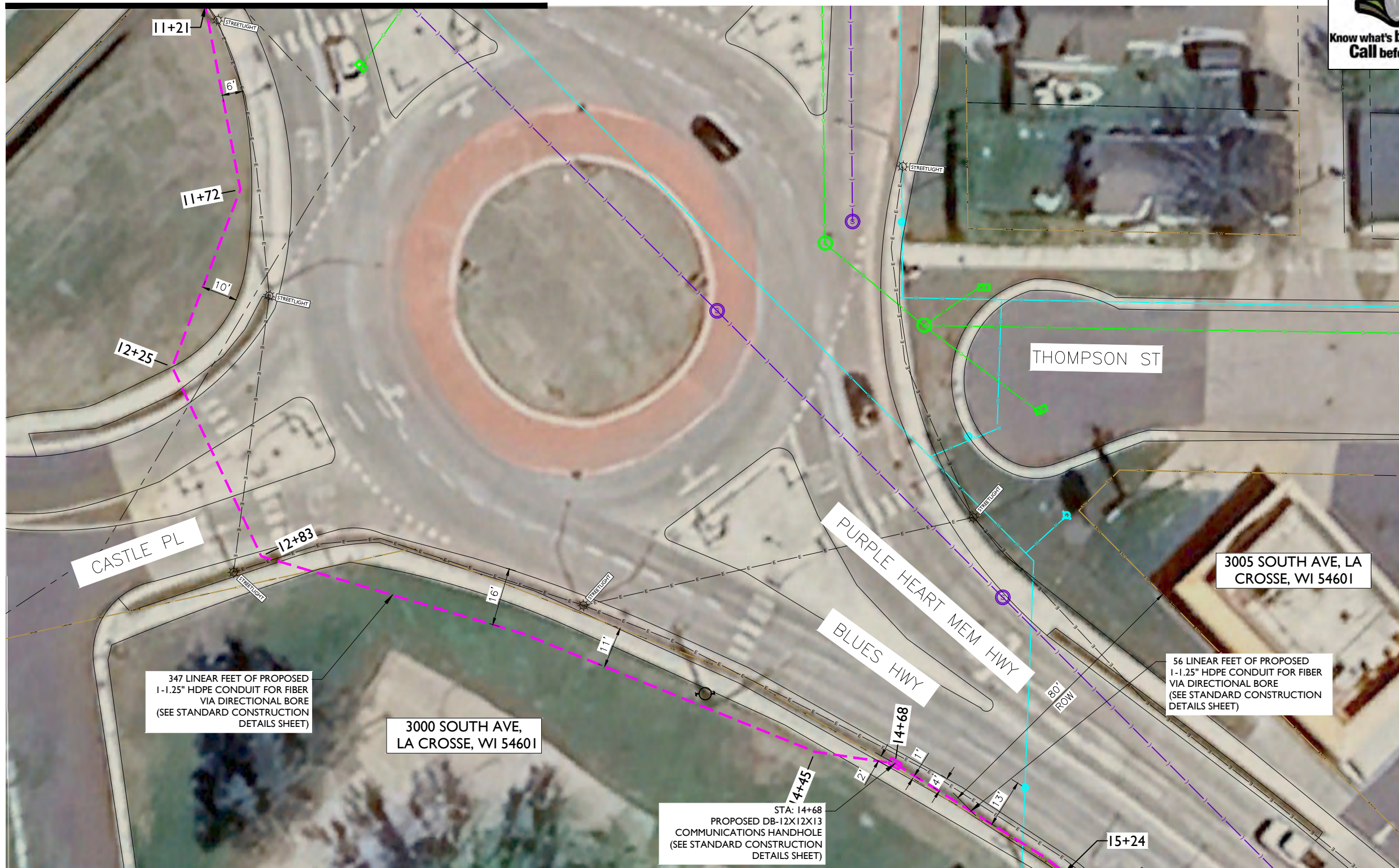
Know what's below.  
Call before you dig.

metronet

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EVANSVILLE, IN, 47715

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C	11/06/24	REVISED	BP
D	01/31/25	REVISED	HT

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TASK NAME  
**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
1" = 30'-0"

SHEET TITLE  
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER  
C-064

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

**NOTE:**  
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**NOTE:**

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

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



MATCHLINE - SHEET C-065



MATCHLINE — SHEET C-064

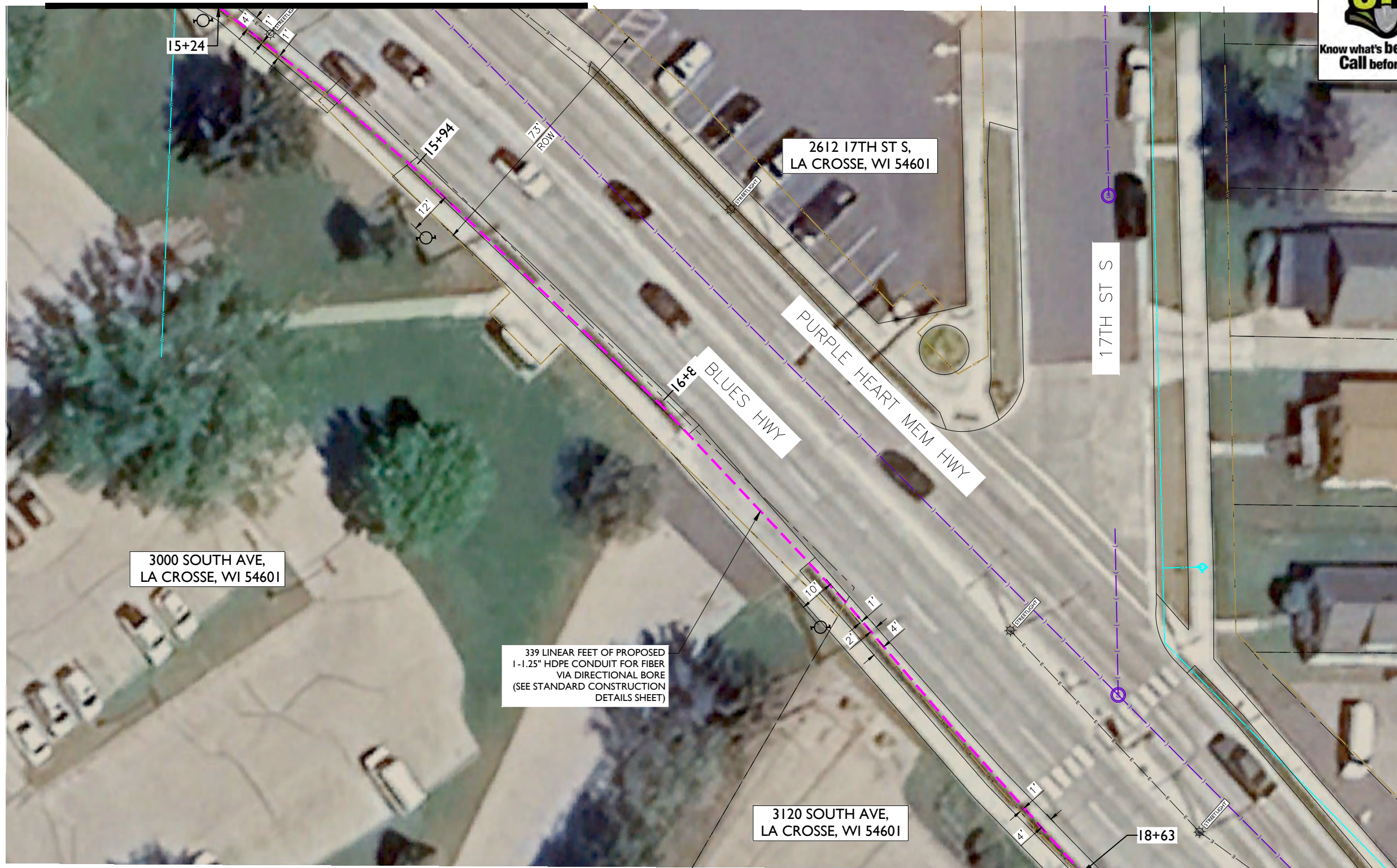


**metronet**

3701 COMMUNICATIONS WAY  
EVANSVILLE, IN, 47715

**Fullerton**  
DESIGN DEVELOP CONSTRUCT

1100 E. WOODFIELD ROAD, SUITE 500  
SCHAUMBURG, ILLINOIS 60173  
TEL: 847-908-8400  
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TASK NAME  
**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
1" = 30'-0"

SHEET TITLE  
**DESIGN LAYOUT**

GRID NUMBER

SHEET NUMBER  
**C-065**

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

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

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



MATCHLINE — SHEET C-066



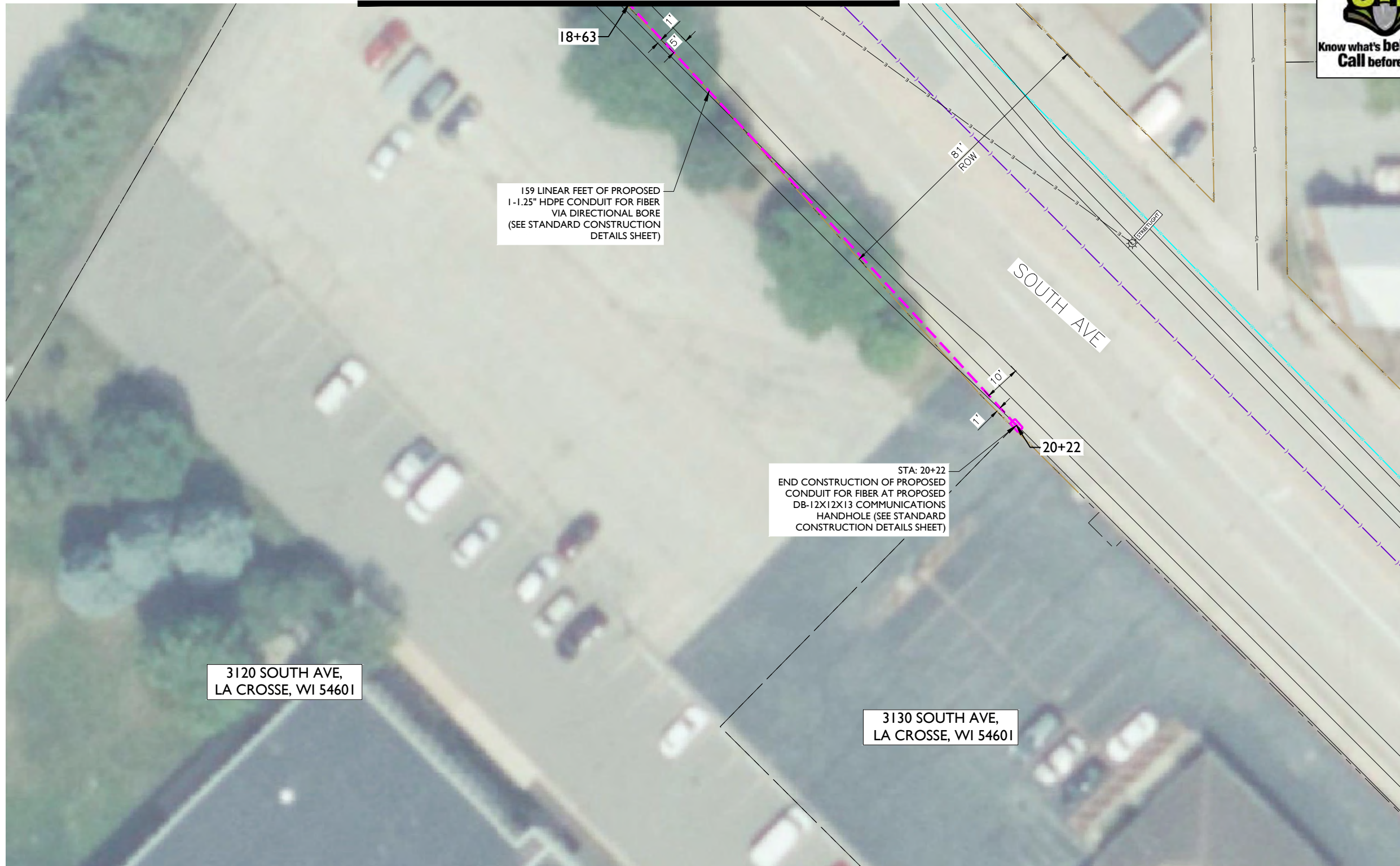
MATCHLINE — SHEET C-065



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**Fullerton**  
DESIGN DEVELOP CONSTRUCT

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SCHAUMBURG, ILLINOIS 60173  
TEL: 847-908-8400  
COA# 3620-11  
www.fullerton-us.com



159 LINEAR FEET OF PROPOSED  
1-1.25" HDPE CONDUIT FOR FIBER  
VIA DIRECTIONAL BORE  
(SEE STANDARD CONSTRUCTION  
DETAILS SHEET)

STA: 20+22  
END CONSTRUCTION OF PROPOSED  
CONDUIT FOR FIBER AT PROPOSED  
DB-12X12X13 COMMUNICATIONS  
HANDHOLE (SEE STANDARD  
CONSTRUCTION DETAILS SHEET)

3120 SOUTH AVE,  
LA CROSSE, WI 54601

3130 SOUTH AVE,  
LA CROSSE, WI 54601

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

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



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THE REQUIREMENTS OF ALL APPLICABLE CODES.

TASK NAME  
**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT  
PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
1" = 30'-0"

SHEET TITLE  
**DESIGN LAYOUT**

GRID NUMBER

SHEET NUMBER  
**C-066**

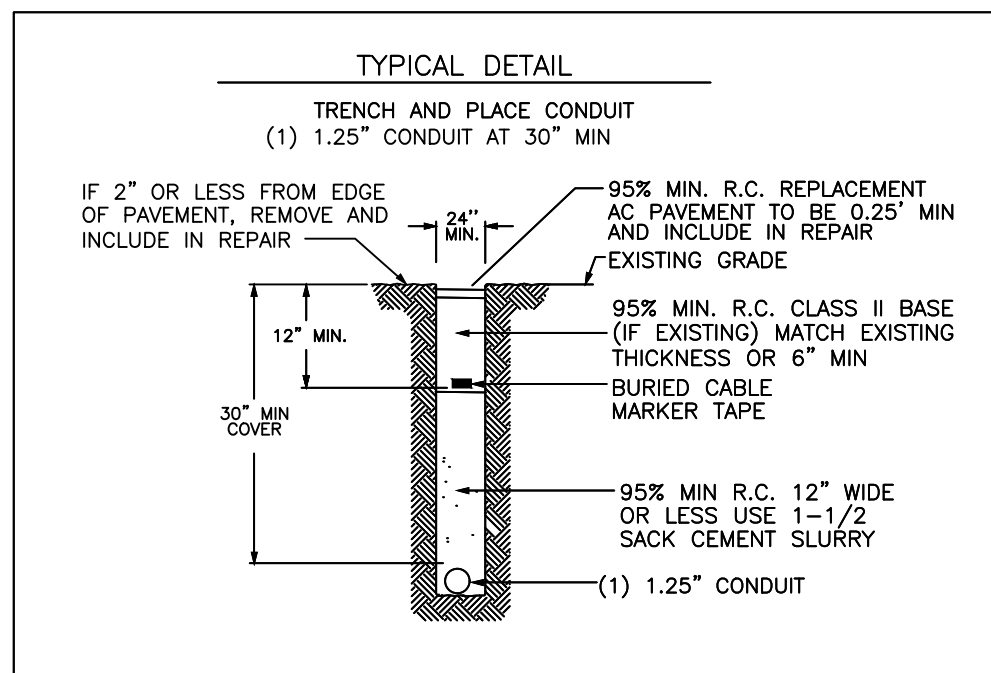
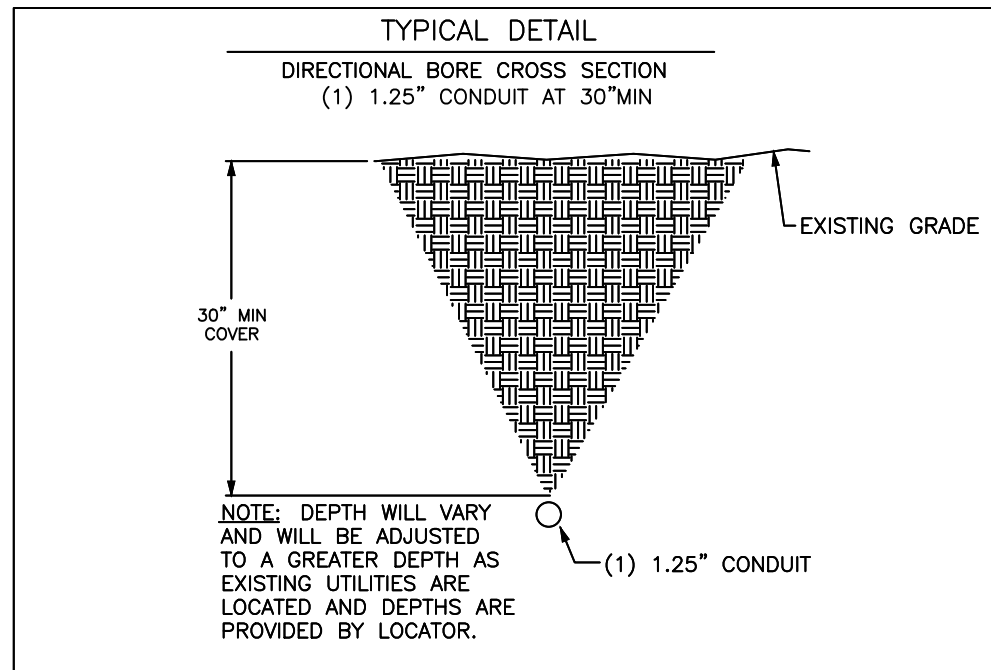


**ADDITIONAL NOTES:**

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

WILC011

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA

LACROSSE, WI, USA

SHEET SCALE

N.T.S.

SHEET TITLE

DETAILS

GRID NUMBER

SHEET NUMBER

D-1

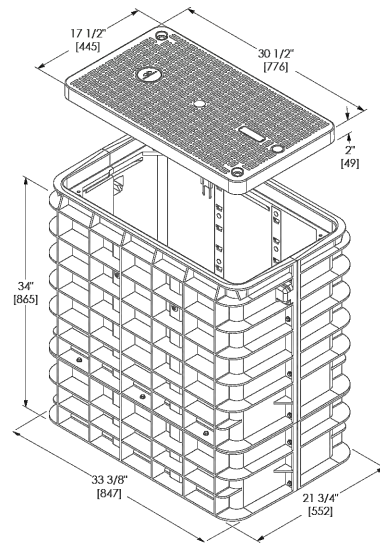


BULK 3 Series

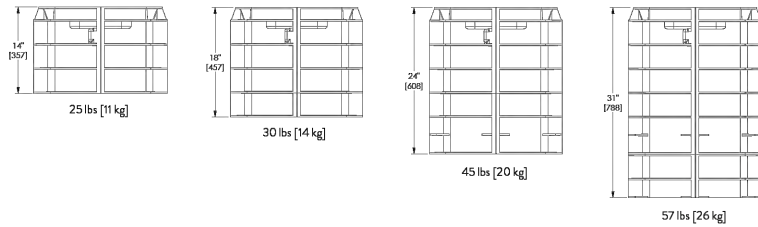
TECHNICAL SPECIFICATIONS

BODY SPECIFICATIONS

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



ADDITIONAL BODY DEPTHS

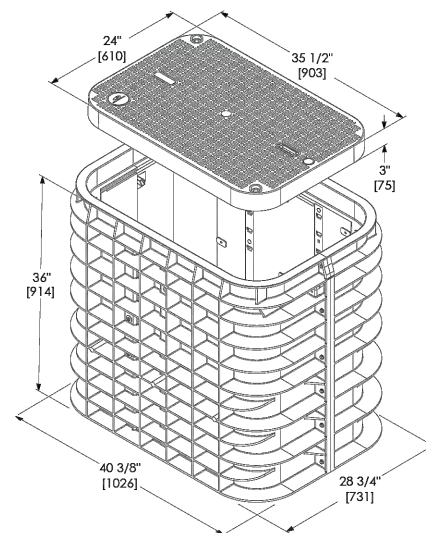
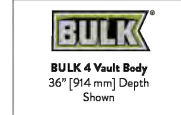


BULK 4 Series

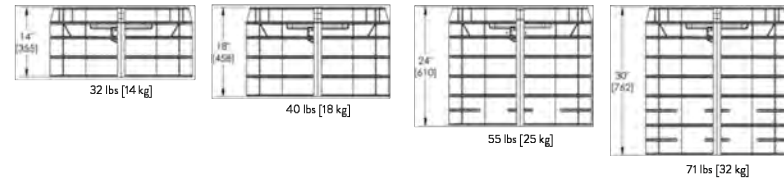
TECHNICAL SPECIFICATIONS

BODY SPECIFICATIONS

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



ADDITIONAL BODY DEPTHS

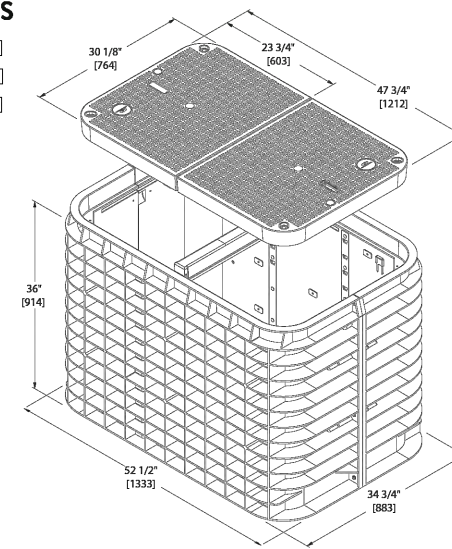


BULK 7 Series

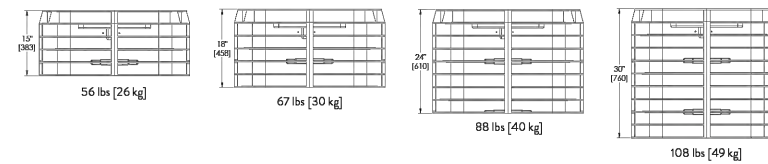
TECHNICAL SPECIFICATIONS

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



3701 COMMUNICATIONS WAY  
 EVANSVILLE, IN, 47715



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

WILC011

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT  
 PLACEMENT**

PROJECT AREA  
 LACROSSE, WI, USA

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**

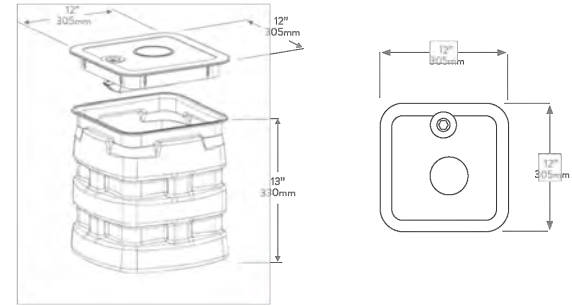
- 13" (330mm) Depth
- No bolts to be lost, misplaced, or not installed back into the unit

- 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 by lawnmowers (i.e. reduces potentially liability)

**SIMPLE AND WORRY FREE PROTECTION**



**DIMENSIONS**



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 CANADA: Channell Canada, Inc., Mississauga, ON, Canada • Tel 905.565.1700 • Fax 905.565.8282  
 EUROPE, MIDDLE EAST, AFRICA: Channell Ltd., Dartford, United Kingdom • Tel 44.1322.312590 • Fax 44.1322.508490  
 AUSTRALIA, ASIA, PACIFIC RIM: Channell Pty. Ltd., Seven Hills, NSW, Australia • Tel 61.2.8884.4111 • Fax 61.2.8814.8841  
[www.channell.com](http://www.channell.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**

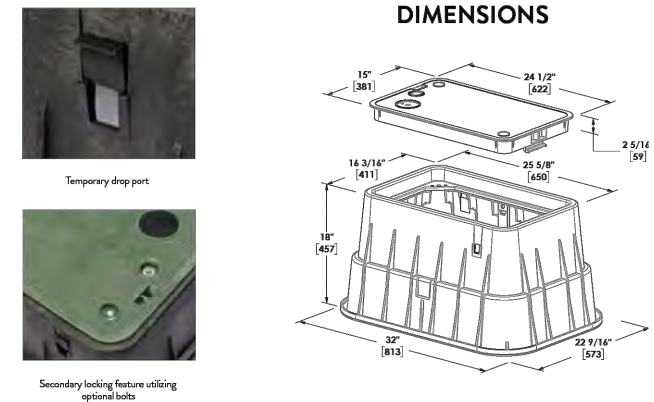
- Designed for Greenbelt/Pedestrian applications
- Captive bolt device, that opens with a ¼ turn

- 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**



**DIMENSIONS**



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022624

**metronet**  
 3701 COMMUNICATIONS WAY  
 EVANSVILLE, IN, 47715

**Fullerton**  
 DESIGN DEVELOP CONSTRUCT

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 SCHAUMBURG, ILLINOIS 60173  
 TEL: 847-908-8400  
 COA# 3620-11  
[www.fullerton-us.com](http://www.fullerton-us.com)

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TASK NAME  
**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
 LACROSSE, WI, USA

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.

**ADA REQUIREMENTS:**

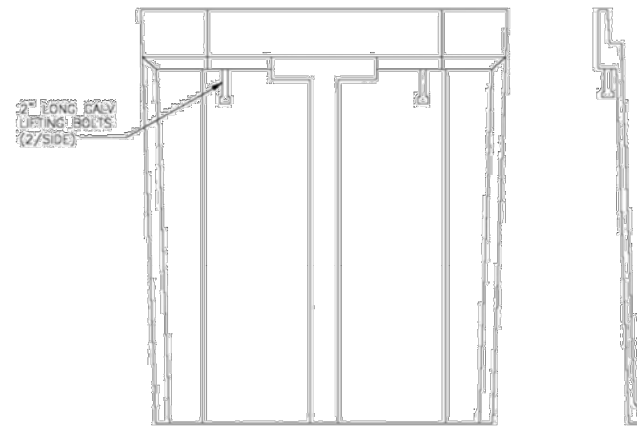
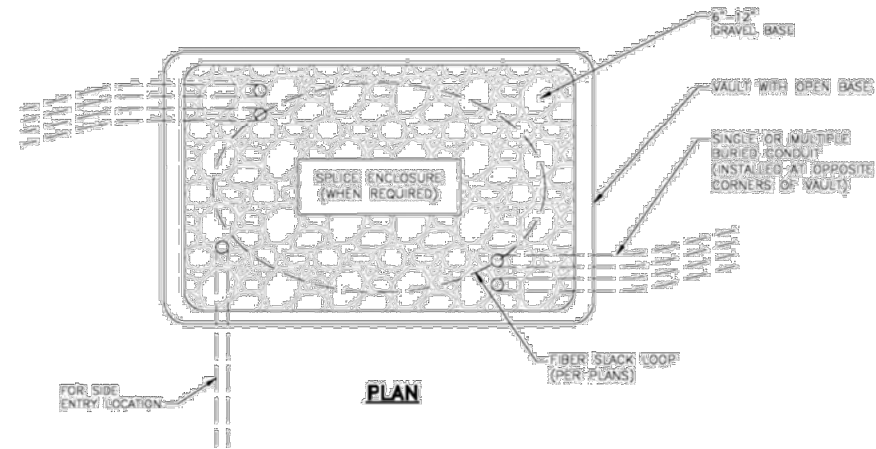
**SURFACE LEVEL CRITERIA:** NO HEIGHT DIFFERENTIALS WITH A RISE GREATER THAN 1/4" IN HEIGHT. EXCEPTIONS: A HEIGHT DIFFERENTIAL BETWEEN 1/4" AND 1/2" IS ACCEPTABLE IF IT IS BEVELED AT A 2:1 SLOPE, OR A HEIGHT DIFFERENTIAL GREATER THAN 1/2" IS ACCEPTABLE IF IT IS RAMPED WITH A SLOPE OF 8.33% (1V:12H) OR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

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

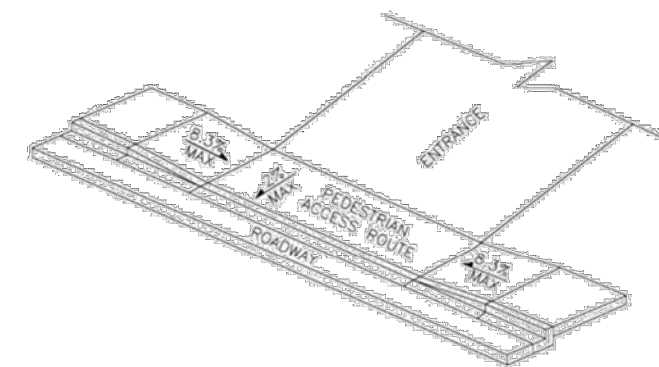
LIFT HOLES FOR UTILITY COVERS SHALL NOT HAVE AN OPENING GREATER THAN 1/2". PLUGGING OF HOLES GREATER THAN 1/2" WITH A MATERIAL APPROVED BY THE ENGINEER IS ACCEPTABLE AS LONG AS IT IS FLUSH WITH THE COVER SURFACE.

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.



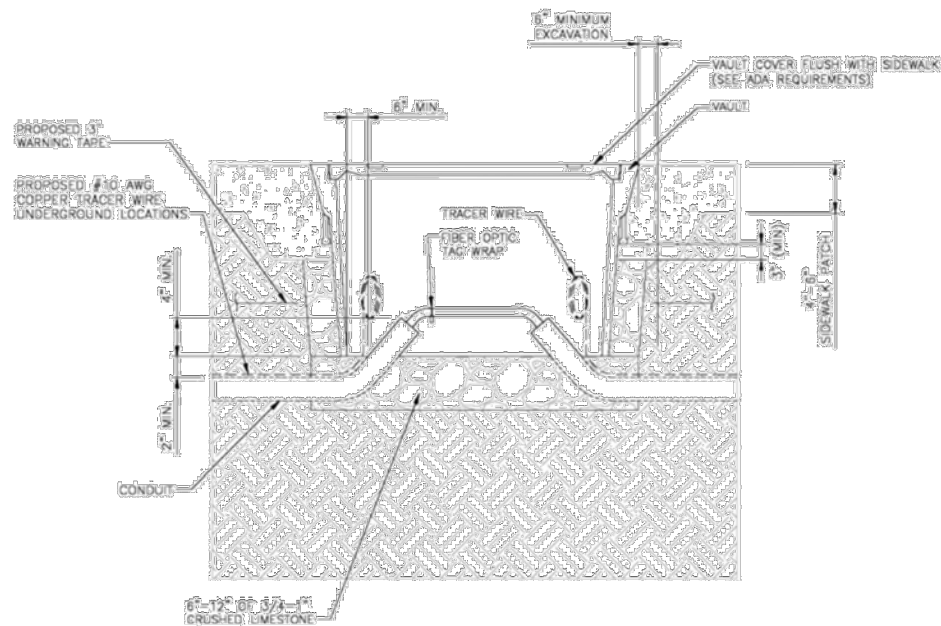
**SIDE VIEW**



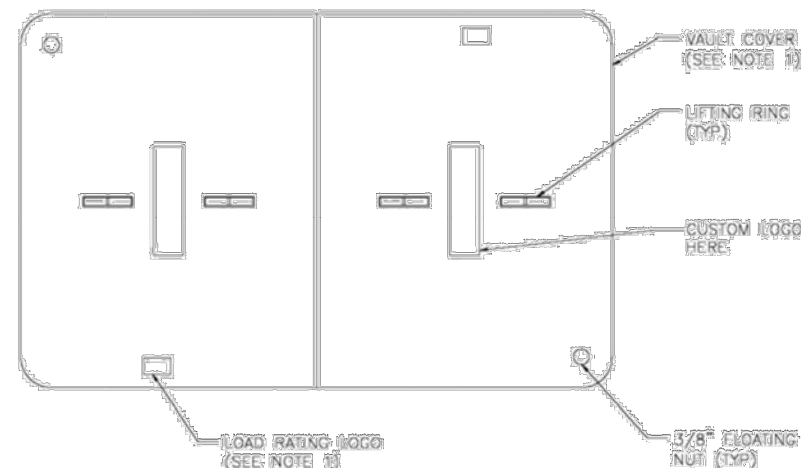
**PEDESTRIAN ACCESS ROUTE**

**NOTE:**

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



**VAULT W/ BOTTOM ENTRY**



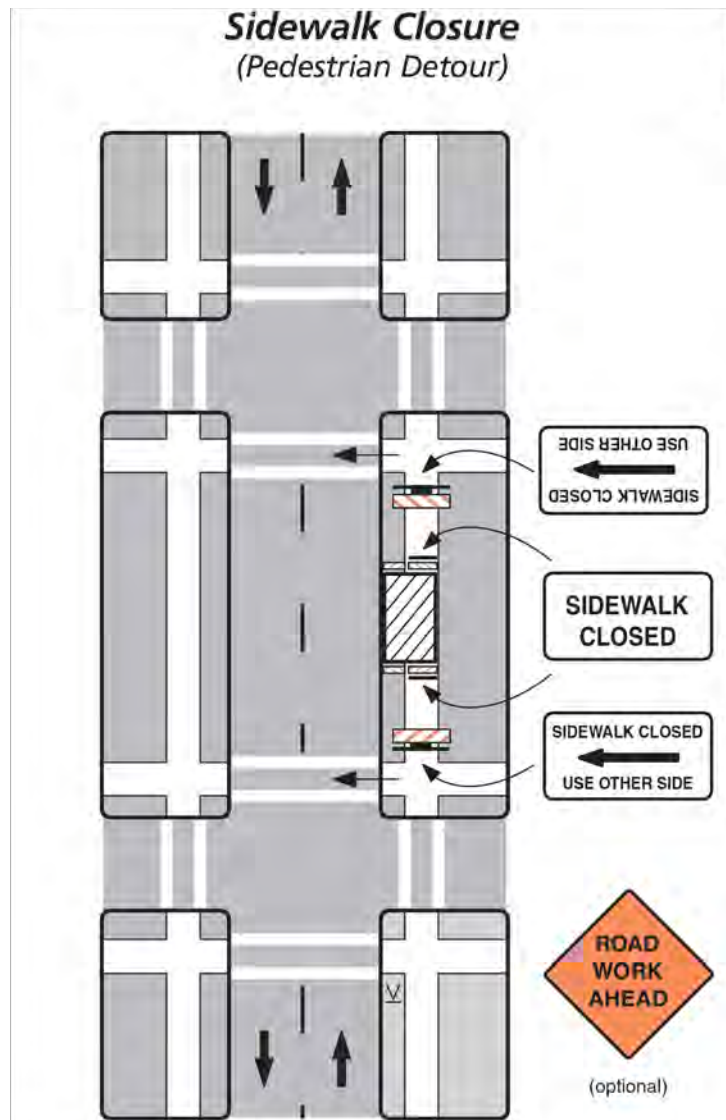
**VAULT LID**

REV	DATE	DESCRIPTION	BY
A	06/14/24	ISSUED FOR REVIEW	IK
B	07/15/24	REVISED	GB
C	11/06/24	REVISED	BP
D	01/31/25	REVISED	HT

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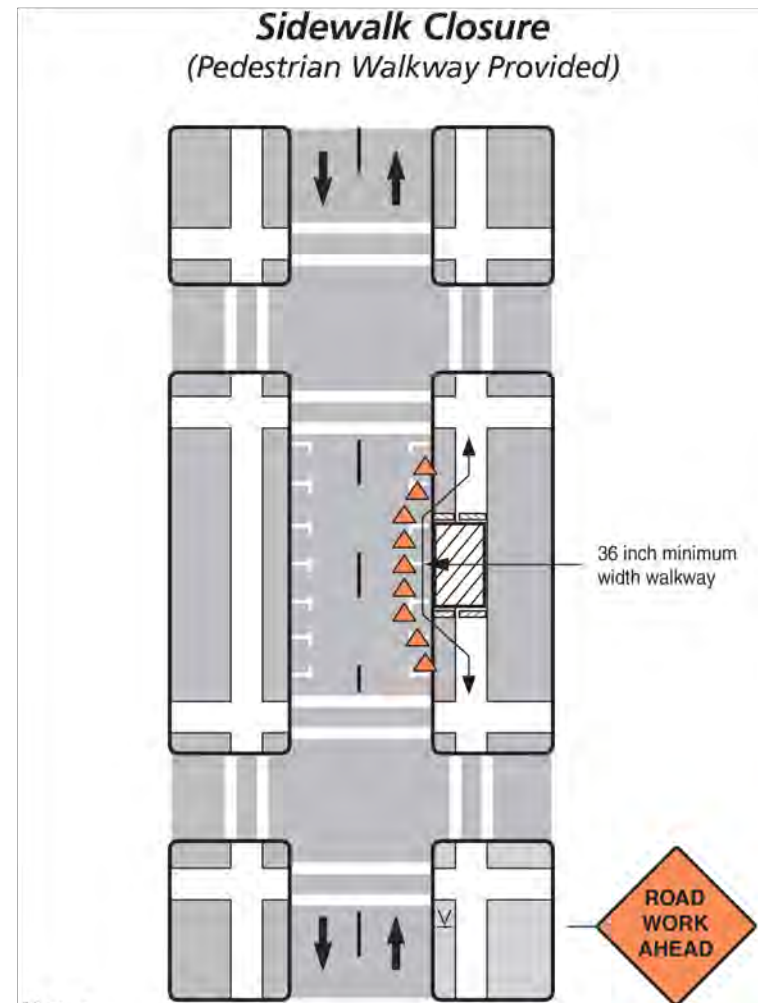
TASK NAME	WILC011
TASK DESCRIPTION	FIBER OPTIC CONDUIT PLACEMENT
PROJECT AREA	LACROSSE, WI, USA
SHEET SCALE	N.T.S.
SHEET TITLE	DETAILS
GRID NUMBER	
SHEET NUMBER	D-4





**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).

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D	01/31/25	REVISED	HT

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TASK NAME  
**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
N.T.S.

SHEET TITLE  
**TRAFFIC CONTROL STANDARD DETAILS**

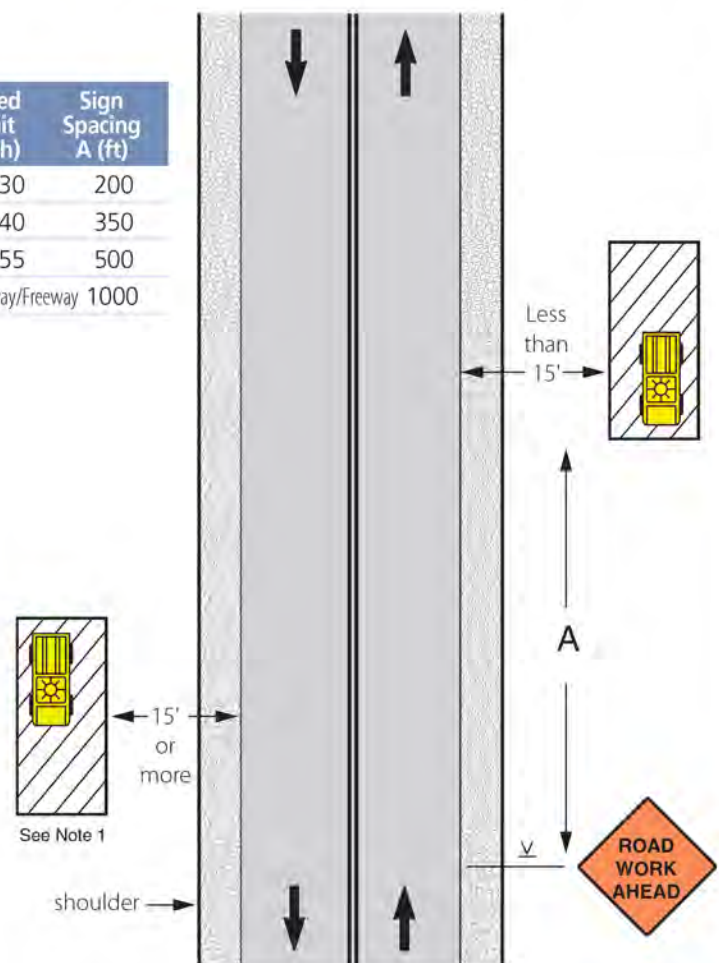
GRID NUMBER

SHEET NUMBER  
**TCP-1**



### Work Beyond the Shoulder

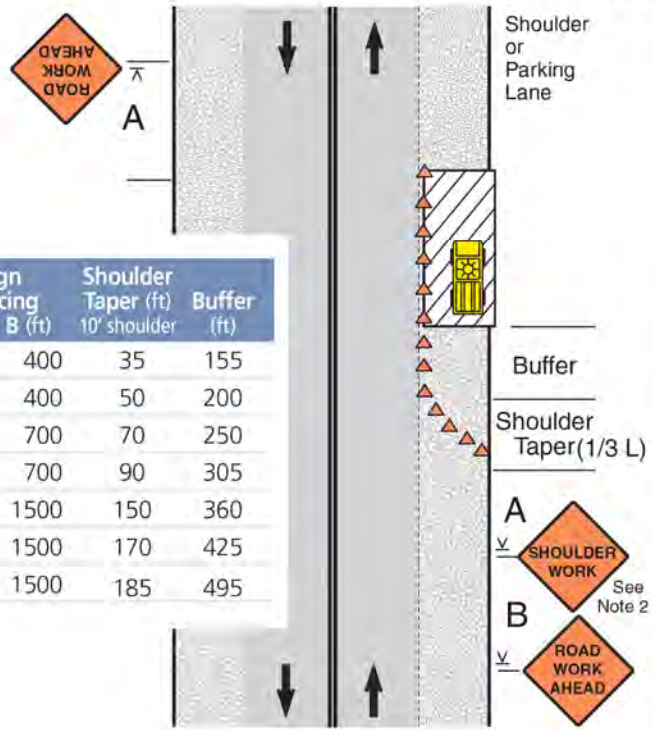
Speed Limit (mph)	Sign Spacing A (ft)
25-30	200
35-40	350
45-55	500
Expressway/Freeway	1000



- Notes**
- 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.
  - 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.
  - The ROAD WORK AHEAD sign may be replaced with other appropriate signs such as SHOULDER WORK, UTILITY WORK AHEAD, SURVEY CREW, MOWING AHEAD or WORKERS.

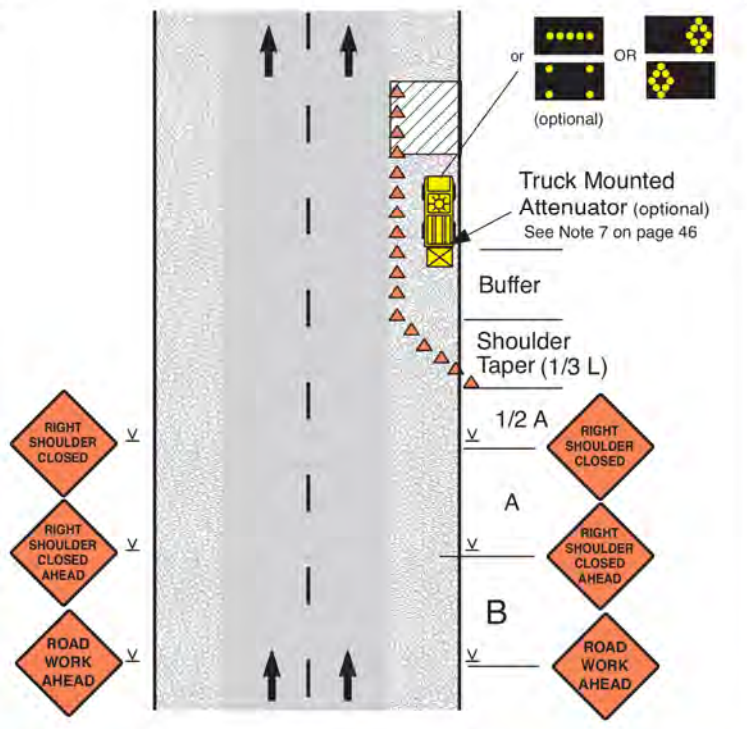
### Work on Shoulder or Parking Lane on Two-Lane Two-Way Road

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**
- 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).
  - 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.
  - 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.
  - WORKERS, UTILITY WORK AHEAD, SHOULDER WORK AHEAD, or SURVEY CREW signs may be used instead of SHOULDER WORK or ROAD WORK AHEAD.
  - 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**
- SHOULDER CLOSED signs should be used on limited-access highways where there is no opportunity for disabled vehicles to pull off the traveled way.
  - For short-term stationary work, one SHOULDER CLOSED warning sign can be omitted.
  - 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.
  - UTILITY WORK AHEAD, SURVEY CREW or WORKERS signs can be used instead of the ROAD WORK AHEAD signs shown.
  - 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

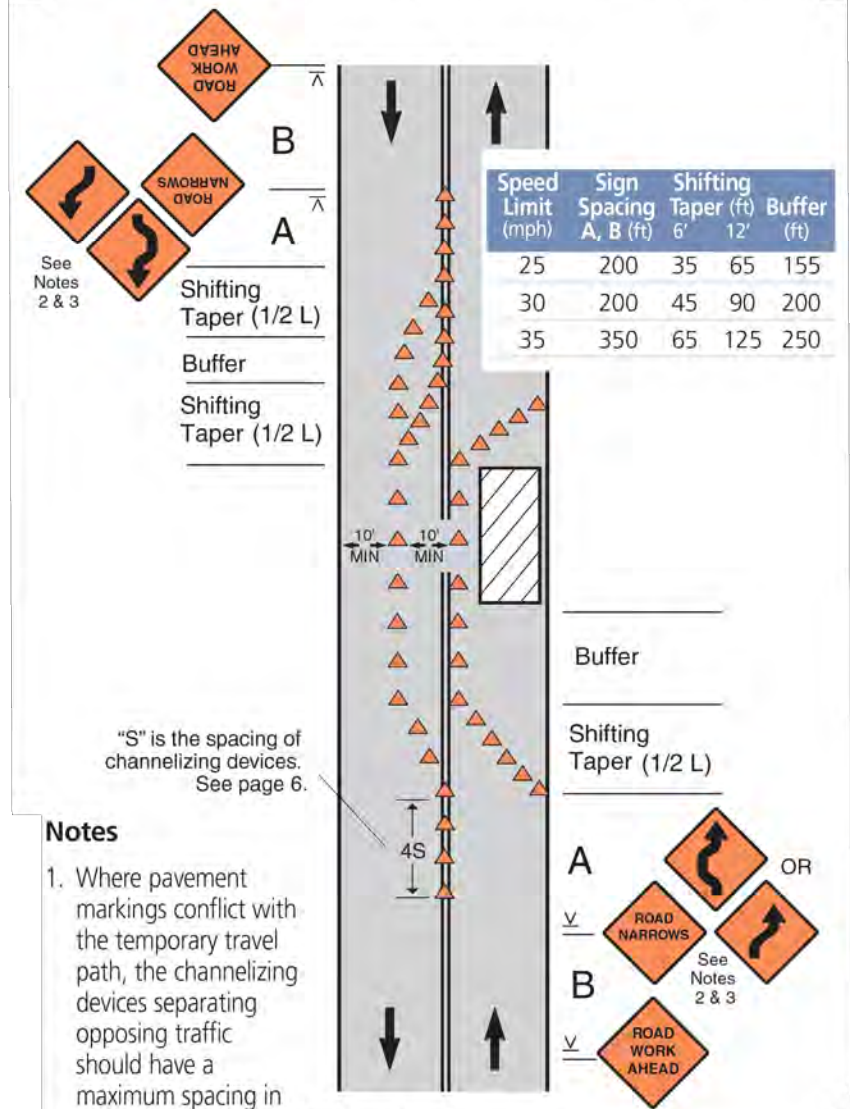
REV	DATE	DESCRIPTION	BY
A	06/14/24	ISSUED FOR REVIEW	IK
B	07/15/24	REVISED	GB
C	11/06/24	REVISED	BP
D	01/31/25	REVISED	HT

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TASK NAME	<b>WILC011</b>
TASK DESCRIPTION	<b>FIBER OPTIC CONDUIT PLACEMENT</b>
PROJECT AREA	LACROSSE, WI, USA
SHEET SCALE	N.T.S.
SHEET TITLE	<b>TRAFFIC CONTROL STANDARD DETAILS</b>
GRID NUMBER	
SHEET NUMBER	<b>TCP-2</b>



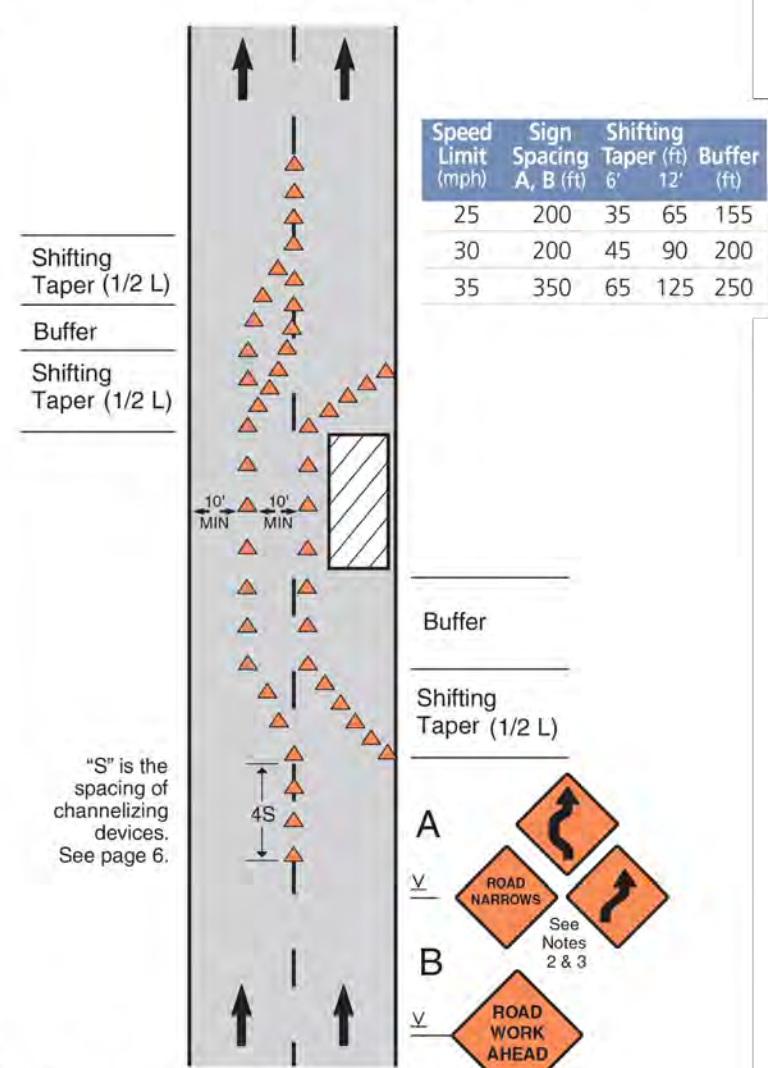
**Work in Travel Lane**  
(Maintaining Two-Way Traffic, 35 mph or Less)



**Notes**

- Where pavement markings conflict with the temporary travel path, the channelizing devices separating opposing traffic should have a maximum spacing in feet of 1/2 the speed limit in mph.
- The ROAD NARROWS or Reverse Curve/Turn sign is optional on roads with low volume or where the lane shift requires only a minor deviation in the travel path. The Reverse Curve/Turn sign is appropriate for larger deviations in the travel path.
- If the tangent is more than 600', the Reverse Curve/Turn sign should be used instead of the Double Reverse Curve sign.
- If speeds are 30 mph or less, Reverse Turn signs shall be used instead of Reverse Curve.

**Work in Travel Lane on Divided or One-Way Roadway**  
(35 mph or Less)



**Notes**

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

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TASK NAME  
**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

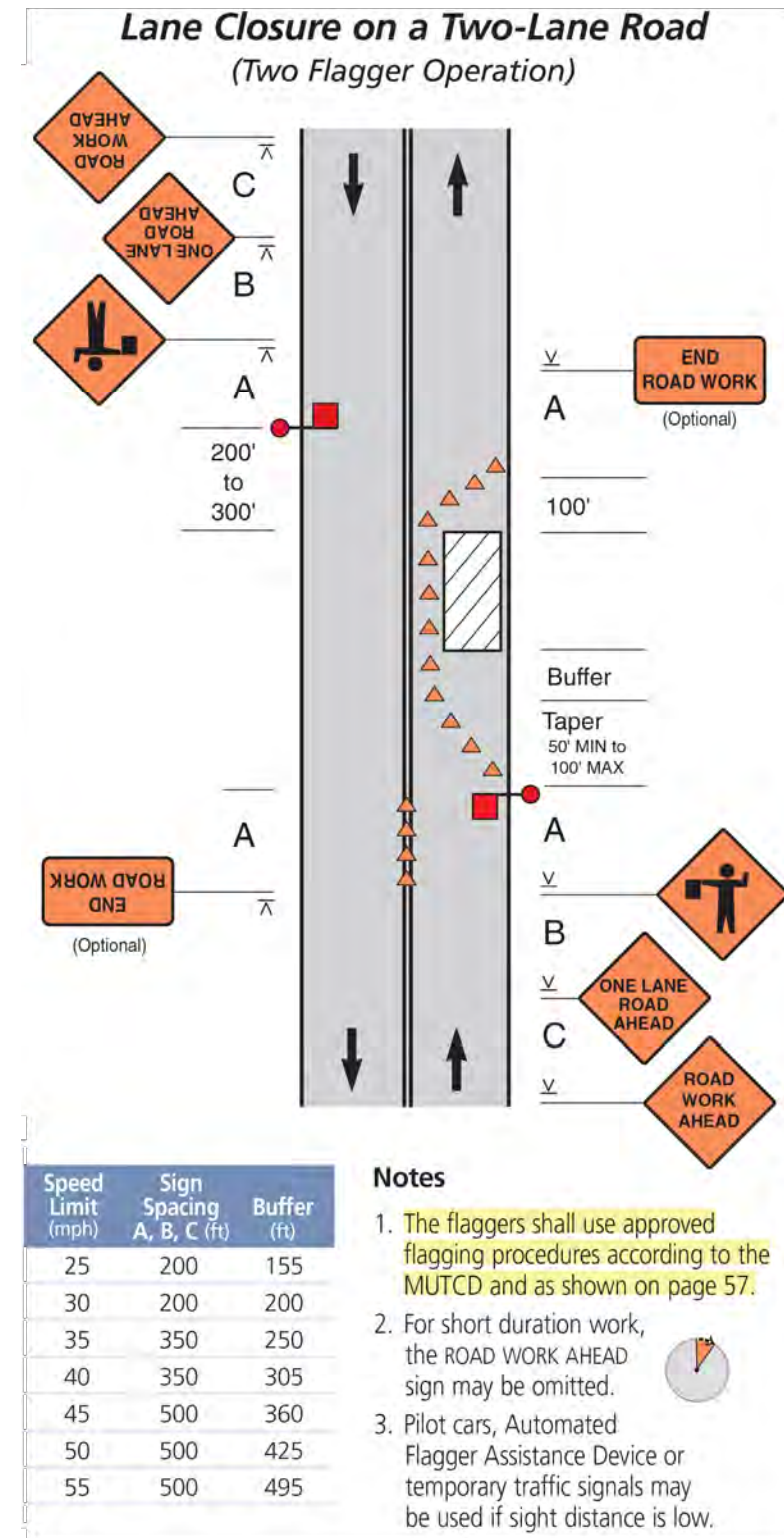
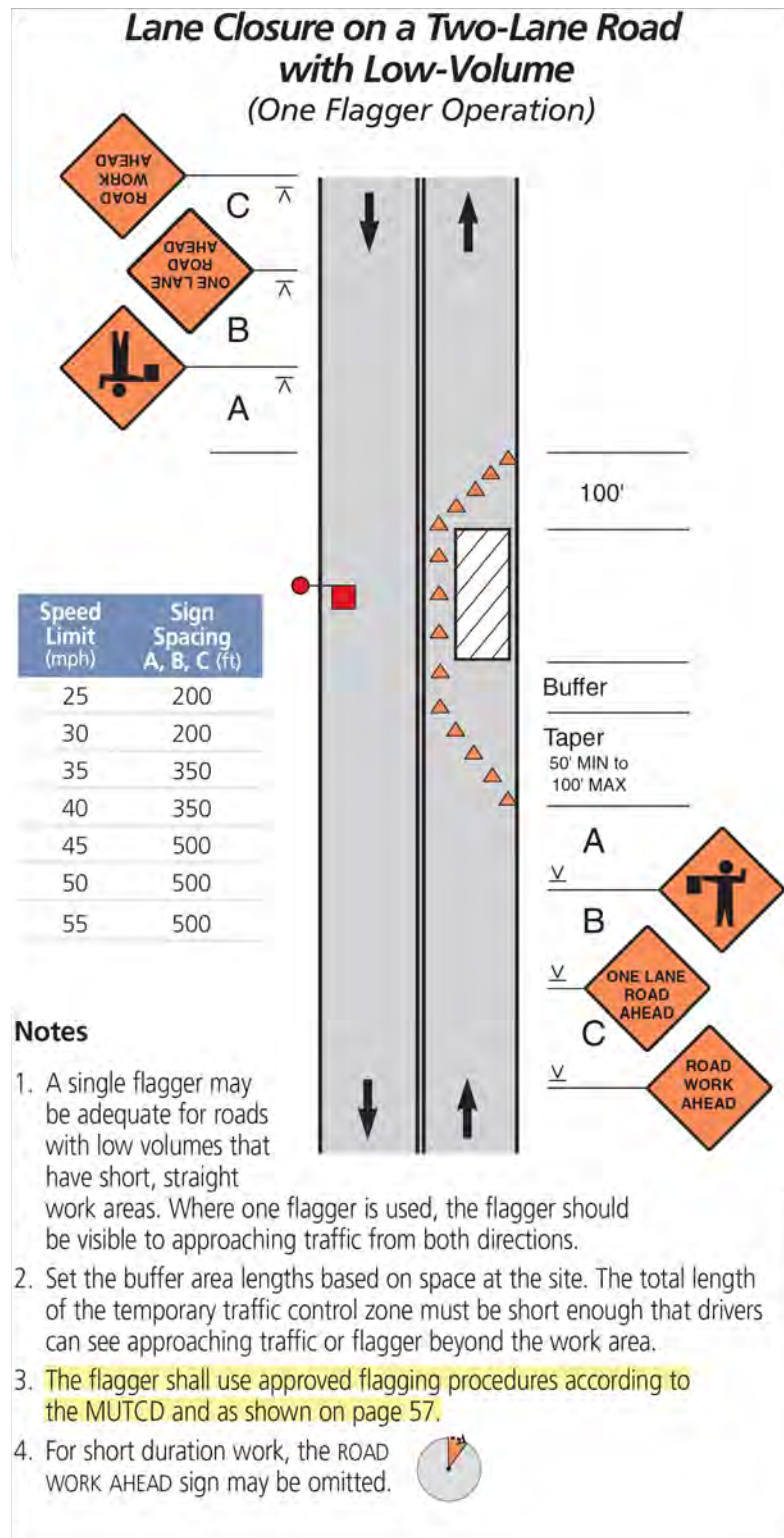
SHEET SCALE  
N.T.S.

SHEET TITLE  
**TRAFFIC CONTROL STANDARD DETAILS**

GRID NUMBER

SHEET NUMBER  
**TCP-3**





REV	DATE	DESCRIPTION	BY
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TASK NAME  
**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
N.T.S.

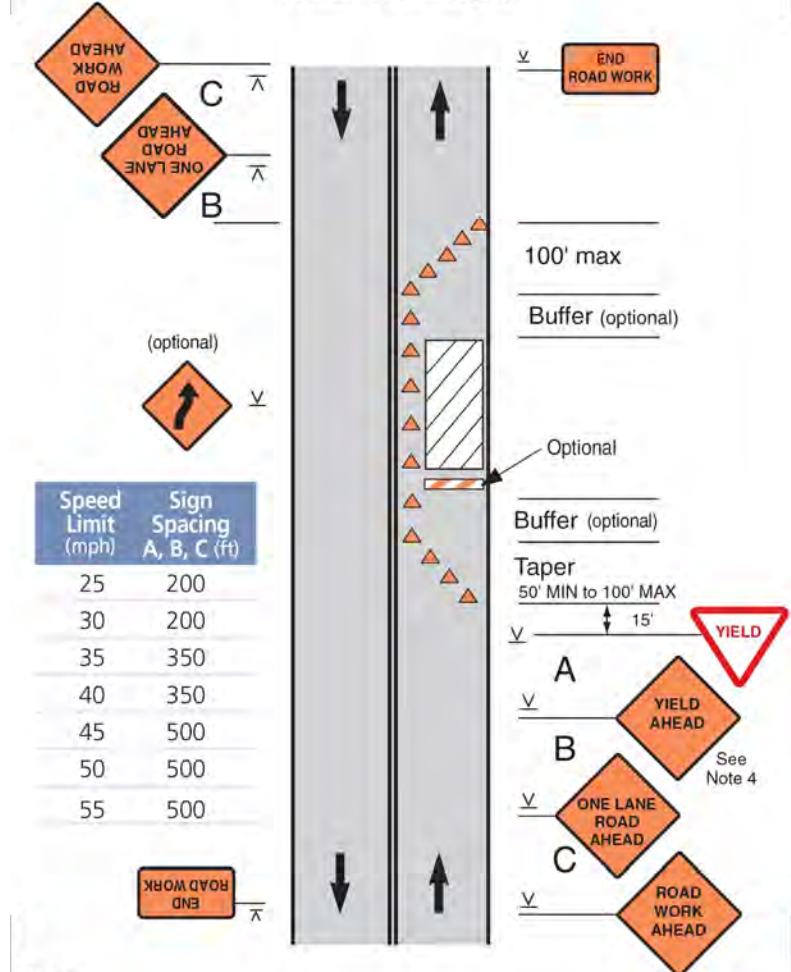
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**TRAFFIC CONTROL STANDARD DETAILS**

GRID NUMBER

SHEET NUMBER  
**TCP-4**

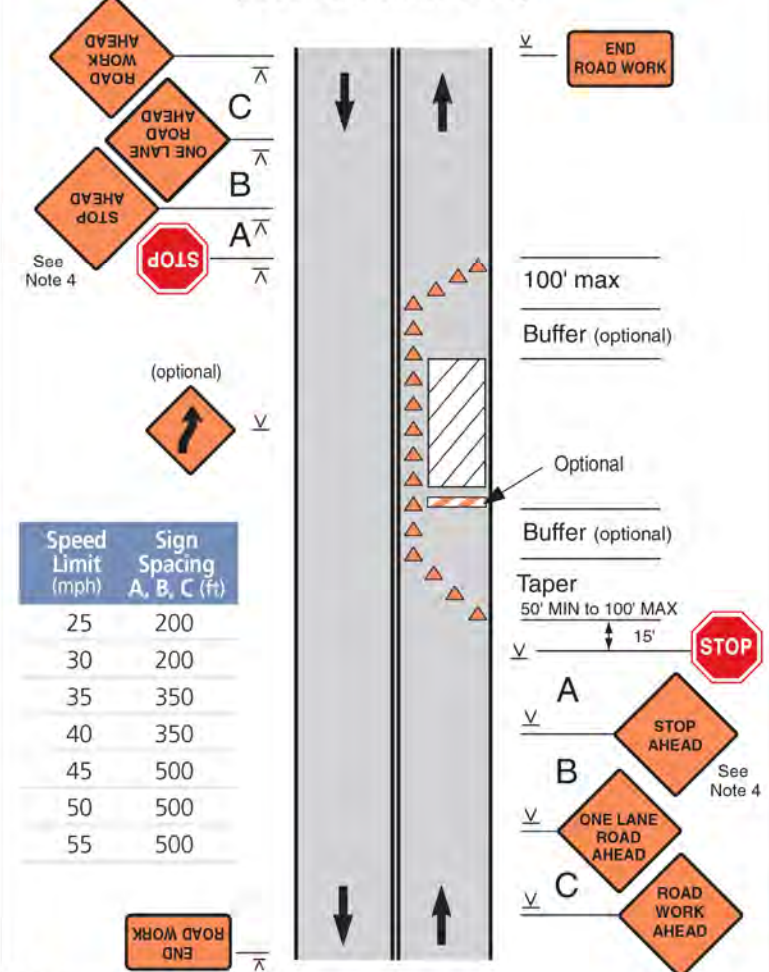


### Lane Closure on a Two-Lane Local Road with Low Volume (with Yield Sign)



- Notes**
1. This layout may be used when volume is low, work area short, sight distance good, and traffic can see beyond the work area.
  2. This layout shall not be used on a state highway, connecting highway or any other roadway officially designated as a "through" highway.
  3. The YIELD sign shall only be used with permission from the authority having jurisdiction over the roadway.
  4. 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 beyond the work area.
  5. YIELD AHEAD symbol sign may be used.

### Lane Closure on a Two-Lane Road with Stop Signs (ADT Less Than 1000)



- Notes**
1. Consider using this layout when ADT is less than 1000, work area is short, sight distance good, and traffic can see beyond the work area. It could be appropriate for ADT above 1000 if limited to off-peak hours.
  2. STOP signs shall only be used with permission from the authority having jurisdiction over the roadway.
  3. Determine buffer area length based on space at the site. Total length of the temporary traffic control zone must be short enough that drivers from both directions can see approaching traffic beyond the work area.
  4. Stop Ahead symbol sign may be used.
  5. On State Roads use the appropriate WisDOT Standard design detail or consult with a WisDOT Regional Work Zone engineer.

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TASK NAME  
**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

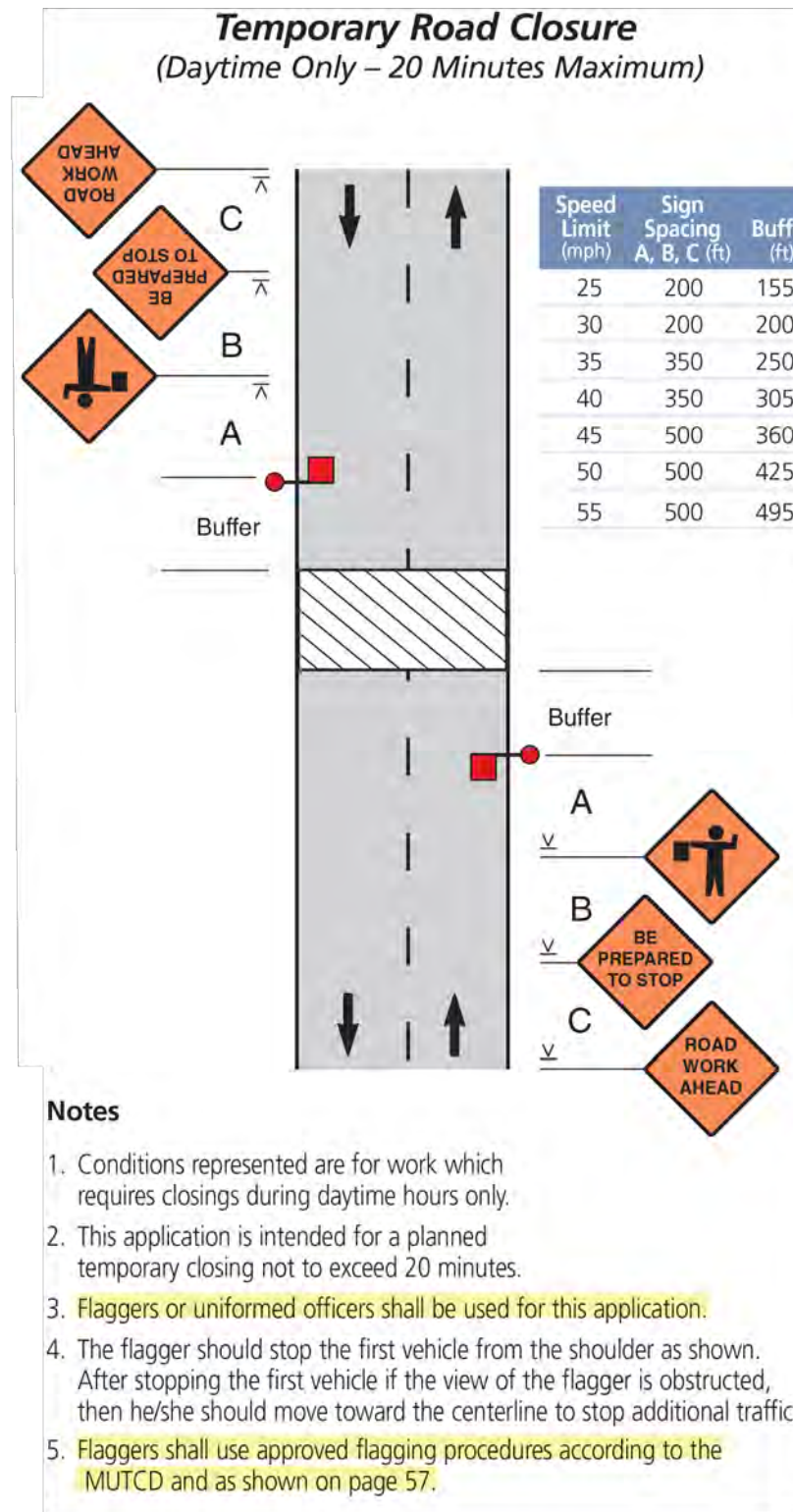
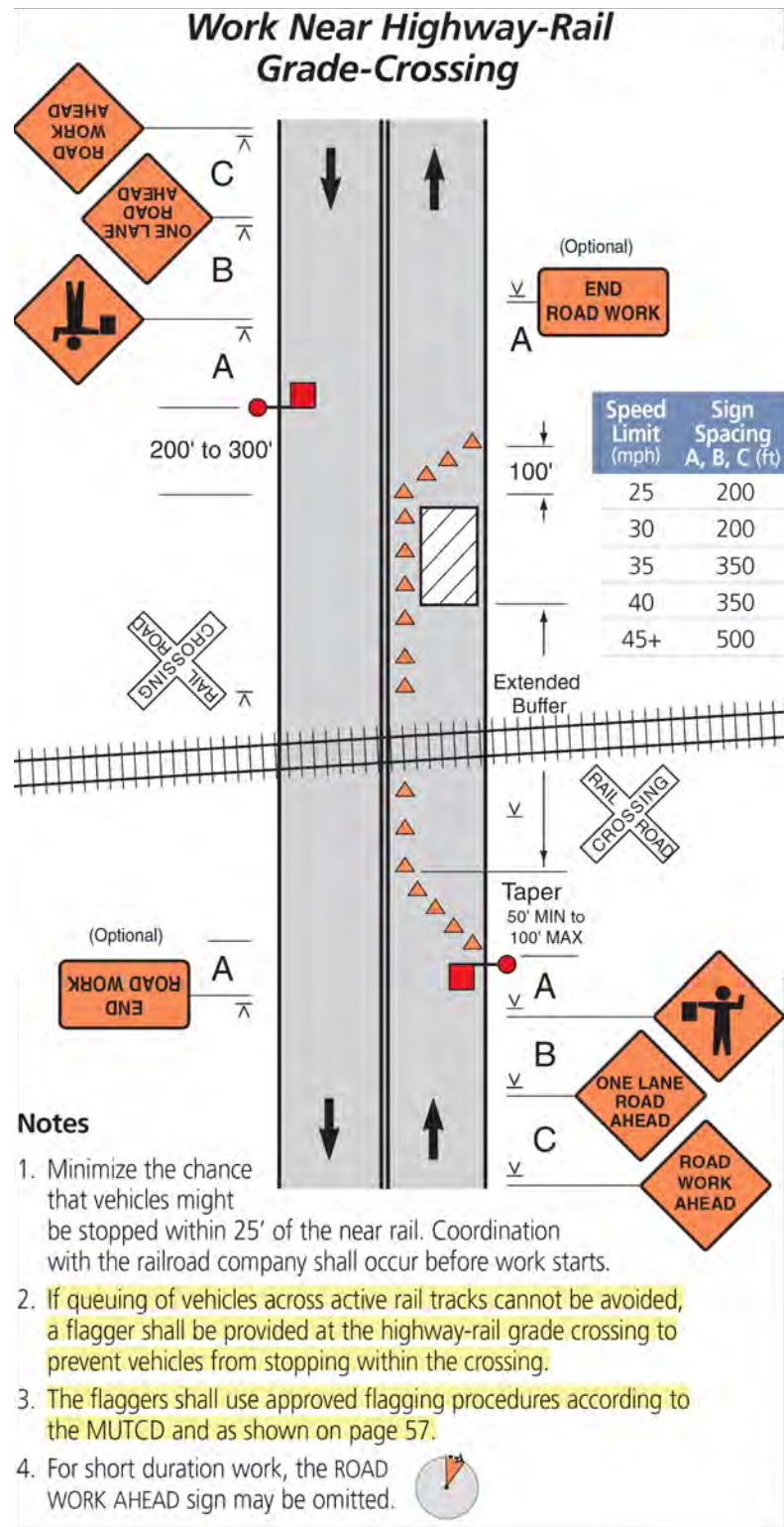
SHEET SCALE  
N.T.S.

SHEET TITLE  
**TRAFFIC CONTROL STANDARD DETAILS**

GRID NUMBER

SHEET NUMBER  
**TCP-5**





REV	DATE	DESCRIPTION	BY
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TASK NAME  
**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
N.T.S.

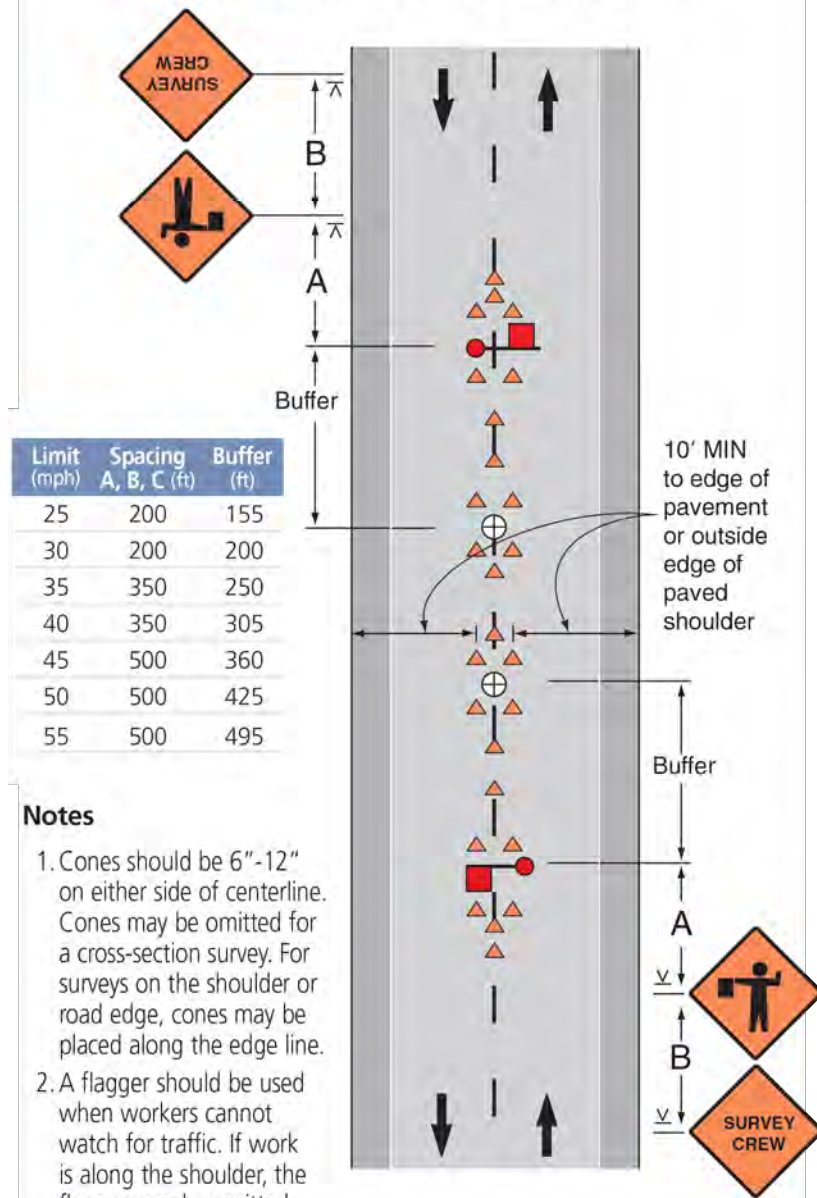
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**TRAFFIC CONTROL STANDARD DETAILS**

GRID NUMBER

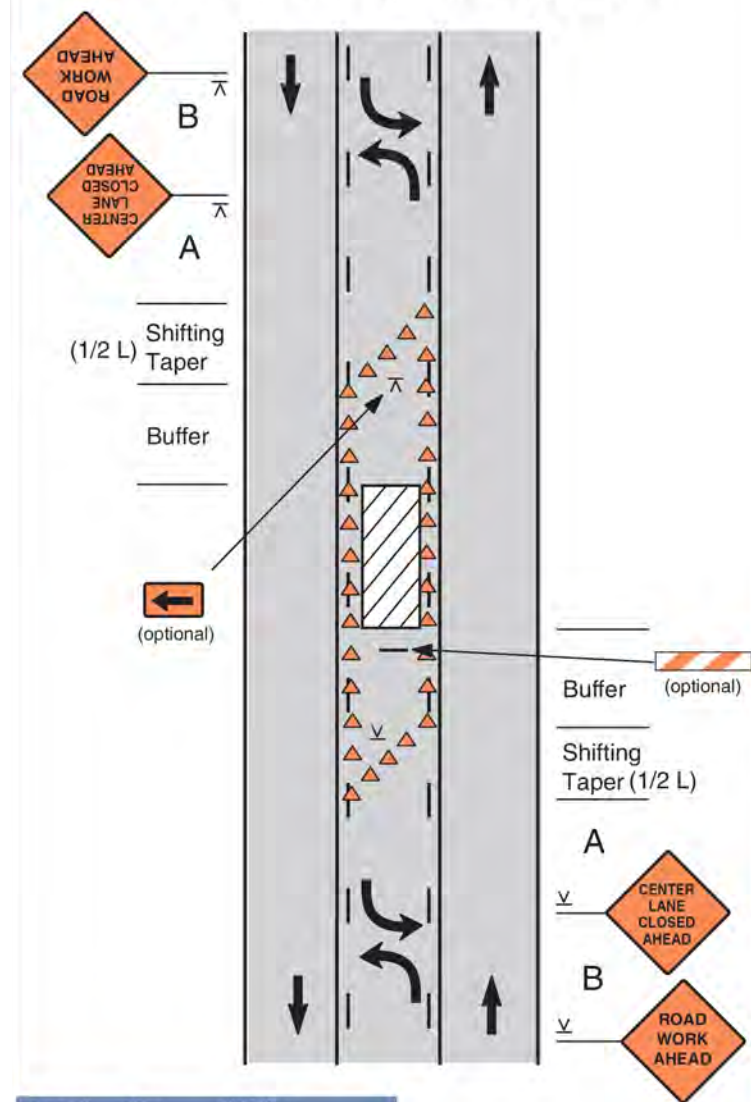
SHEET NUMBER  
**TCP-6**



### Surveying Along Centerline of Road with Low Volume



### Center Turn Lane Closed on a Three-Lane, Two-Way Road



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TASK NAME  
**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

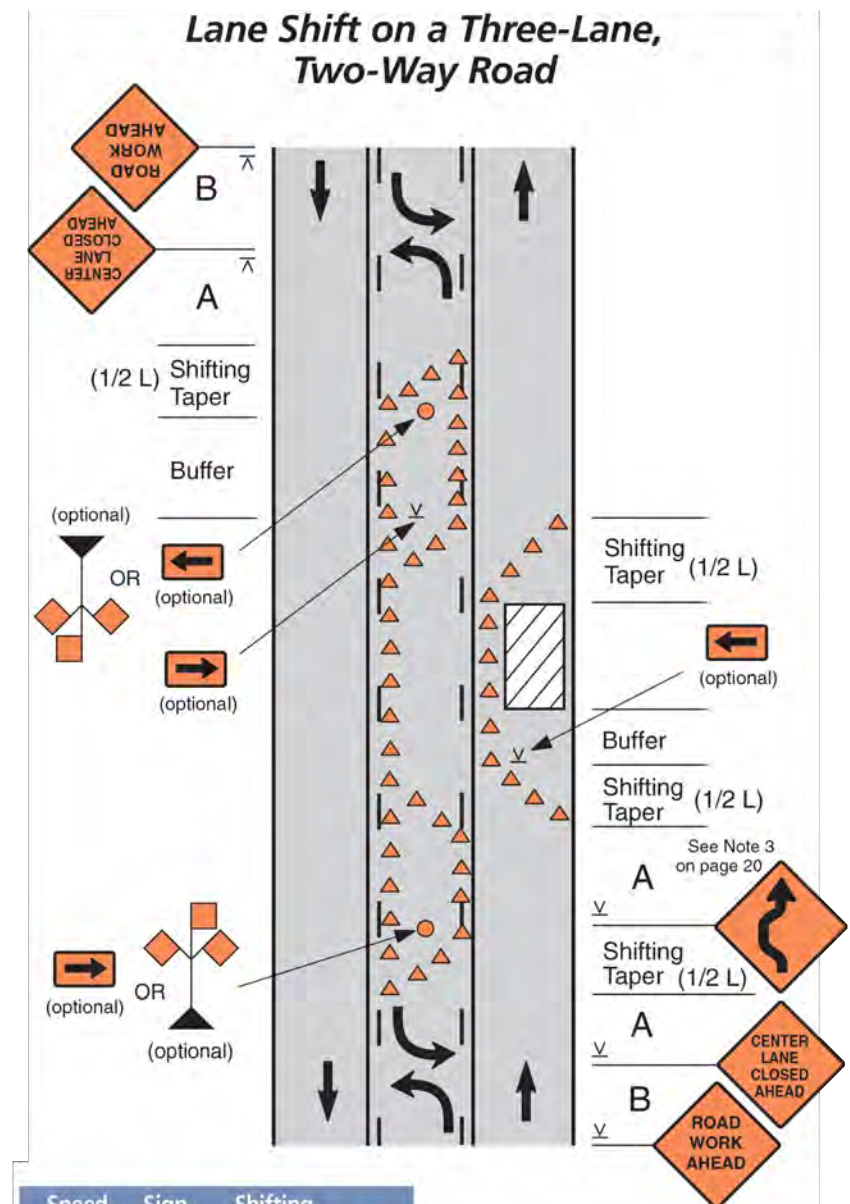
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GRID NUMBER

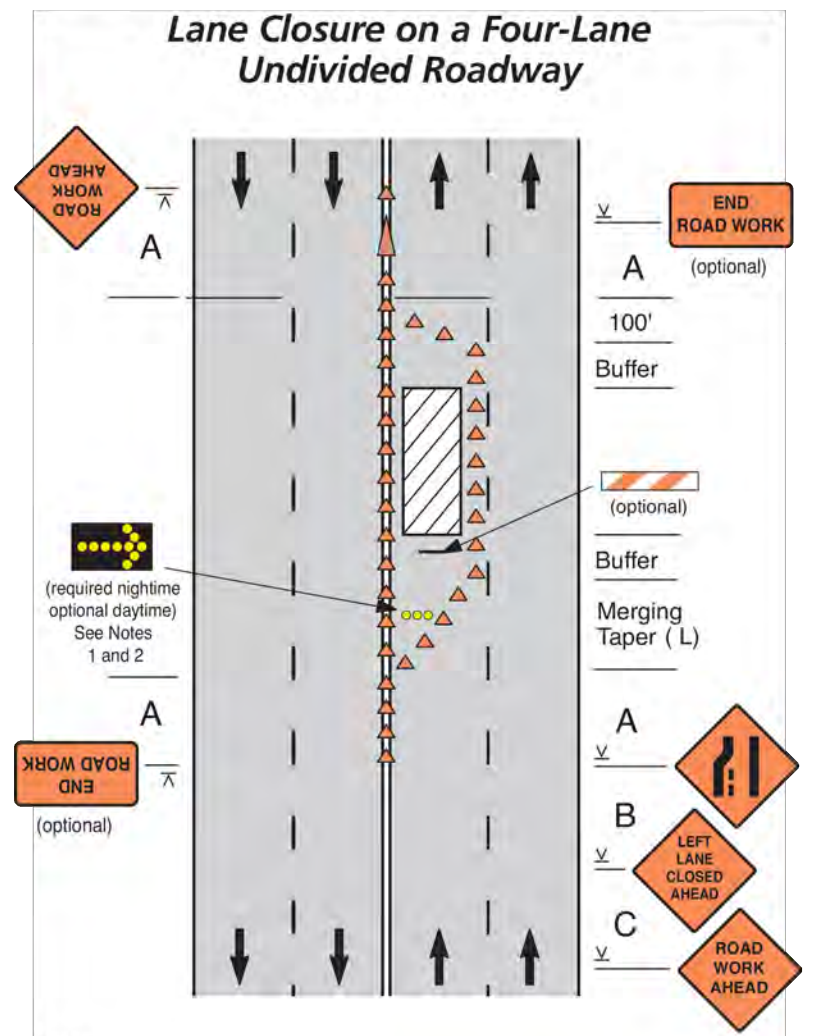
SHEET NUMBER  
**TCP-7**





Speed Limit (mph)	Sign Spacing A, B (ft)	Shifting Taper (ft) for 12' lane	Buffer (ft)
25	200	65	155
30	200	90	200
35	350	125	250
40	350	160	305
45	500	270	360
50	500	300	425
55	500	330	495

- 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.



**Notes**

1. An arrow board is optional based on traffic volume, speed, and visibility. Generally, it is a good practice on roads with speeds of 35 mph or greater. When used, it should be placed near the beginning of the taper or on a vehicle in the work area.
2. If an arrow board is not used, a Large Arrow sign or directional indicator barricades in the taper can be used for added guidance.

Speed Limit (mph)	Sign Spacing A, B, C (ft)	Merging Taper (ft) for 12' lane	Buffer (ft)
25	200	125	155
30	200	180	200
35	350	245	250
40	350	320	305
45	500	540	360
50	500	600	425
55	500	660	495

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TASK NAME  
**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
N.T.S.

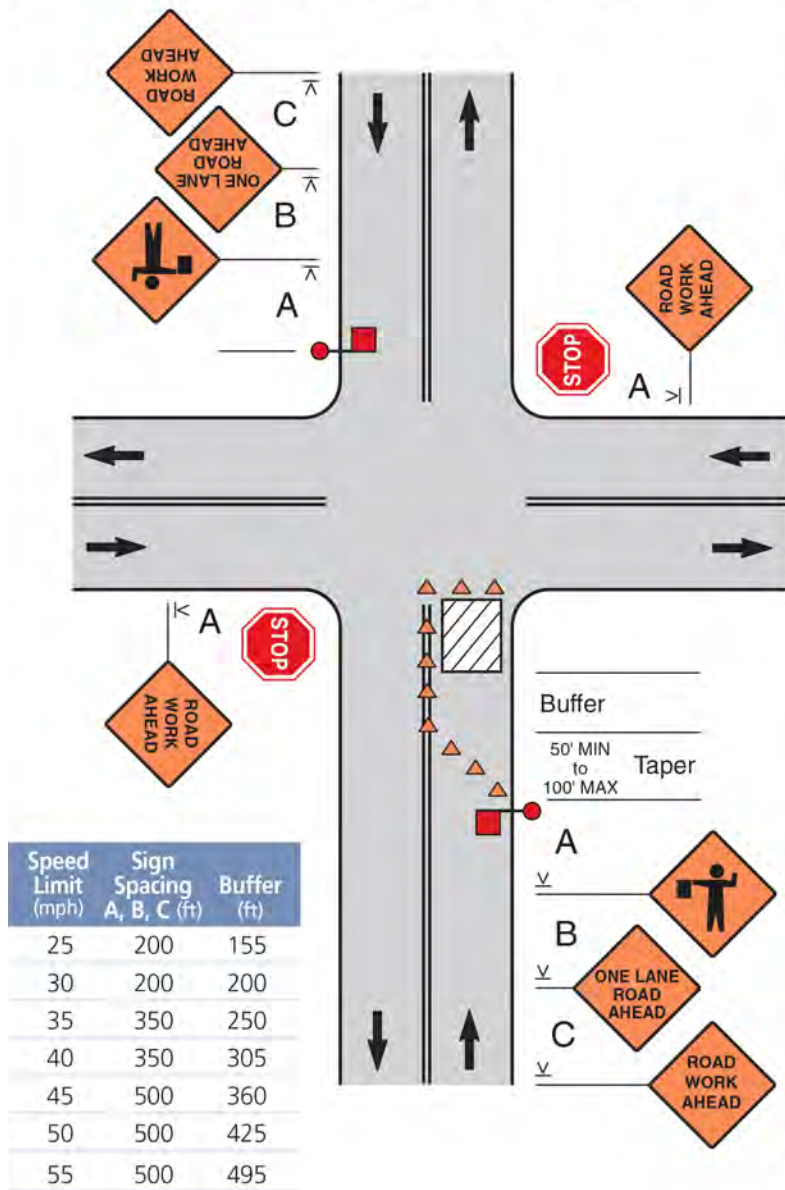
SHEET TITLE  
**TRAFFIC CONTROL STANDARD DETAILS**

GRID NUMBER

SHEET NUMBER  
**TCP-8**



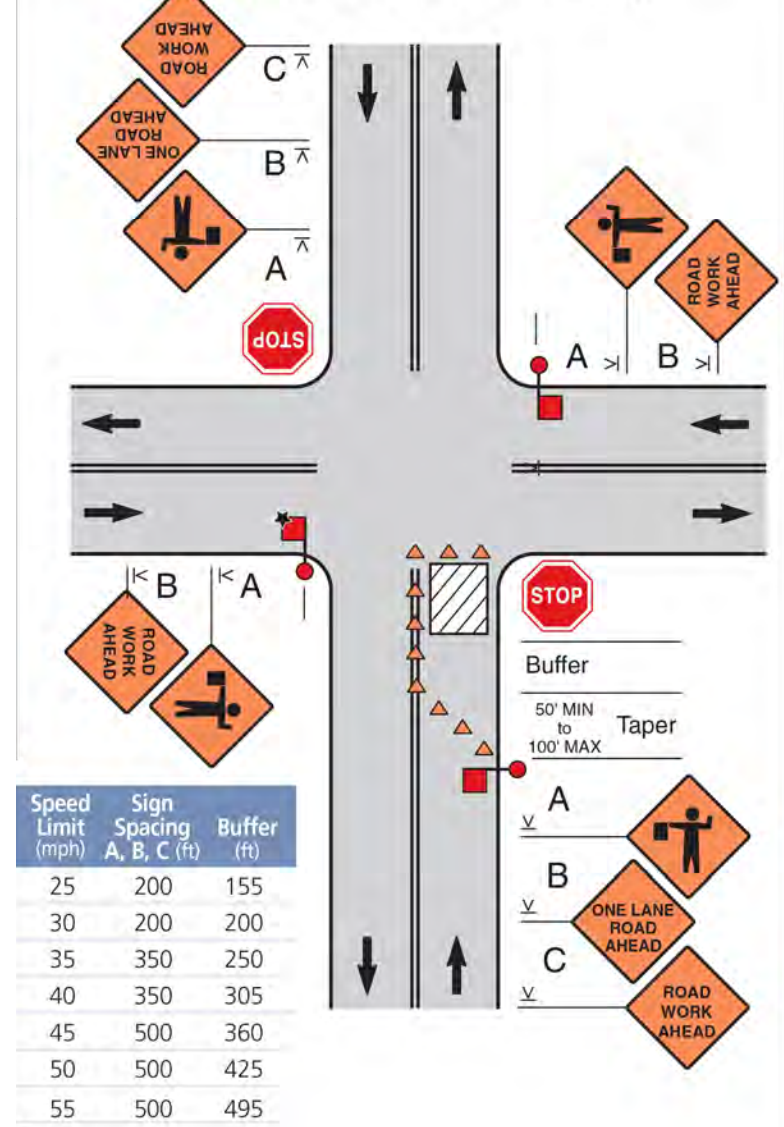
**Lane Closure in Advance of an Intersection**  
(Work Area on the Through Road)



**Notes**

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

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



**Notes**

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

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TASK NAME  
**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

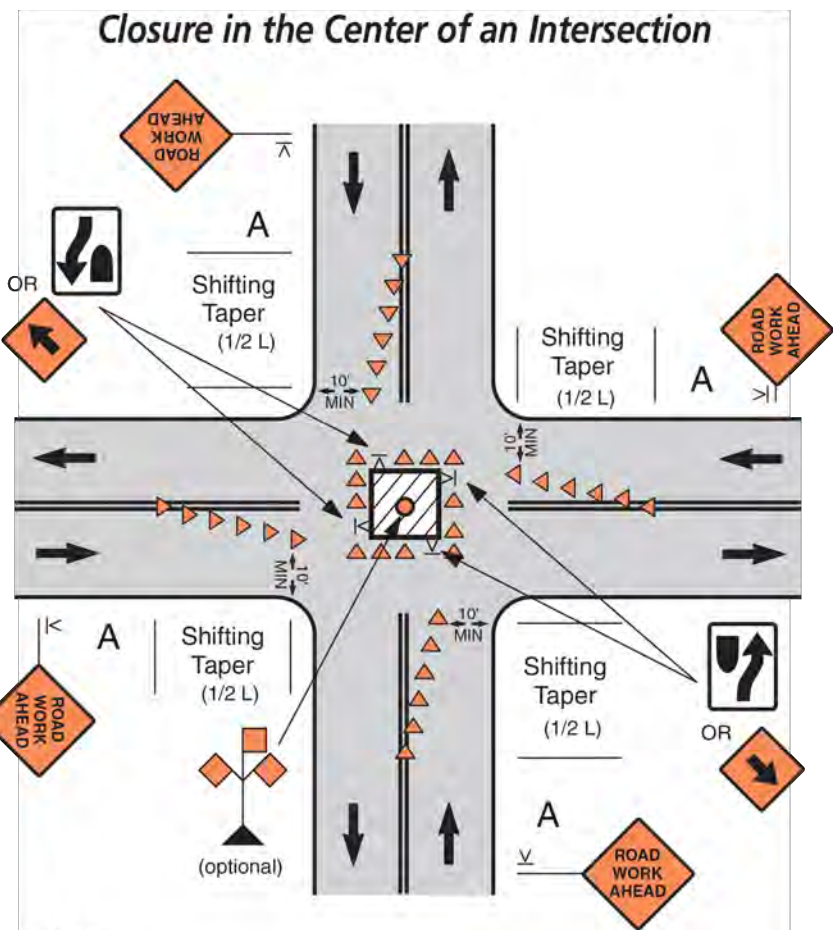
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SHEET TITLE  
**TRAFFIC CONTROL STANDARD DETAILS**

GRID NUMBER

SHEET NUMBER  
**TCP-9**

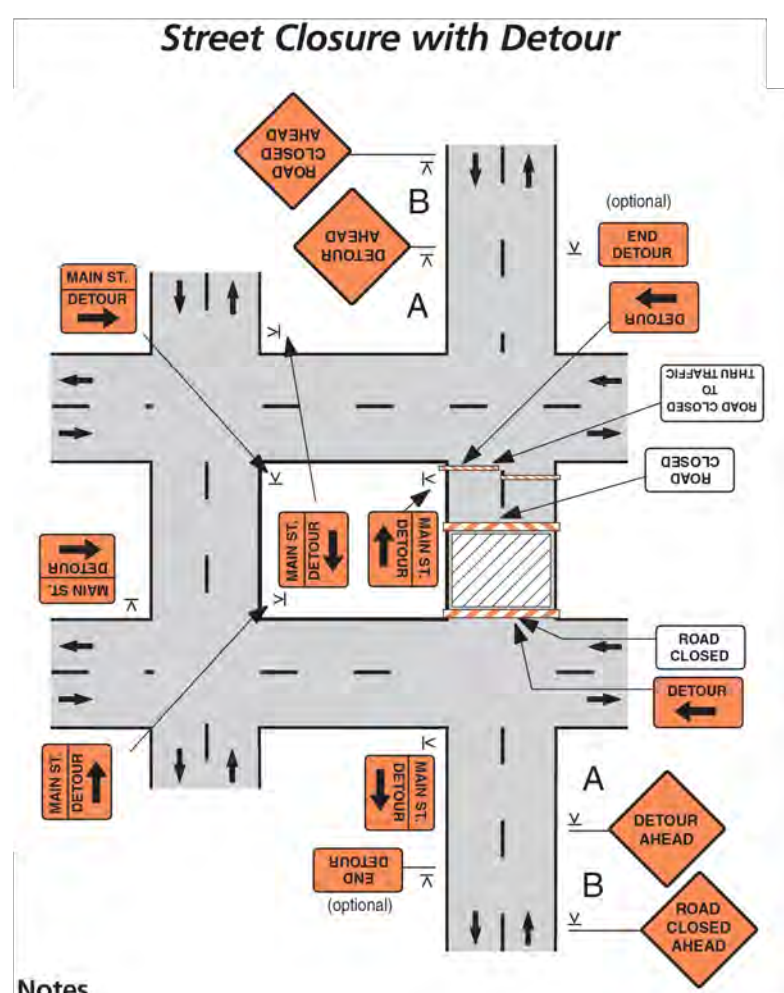




**Notes**

1. Consider additional advance warning signs such as ROAD NARROWS or Reverse Curve/ Turn. The Reverse Curve/ Turn sign is appropriate for larger deviations in the travel path.
2. Left turns may be prohibited as required by traffic conditions. Unless the streets are wide, it may be physically impossible to turn left, especially for large vehicles.
3. For short duration work, the channelizing devices may be eliminated if a vehicle with activated high intensity lights is positioned in the work space.

Speed Limit (mph)	Sign Spacing A, B (ft)	Shift Taper (ft)	
		5' shift	10' shift
25	200	30	55
30	200	40	75
35	350	55	105
40	350	70	135
45	500	115	225
50	500	125	250
55	500	140	275



**Notes**

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 and should be used if a local road is detoured onto a state 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 streets.
5. DETOUR signs may be located on the far side of intersections.

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

REV	DATE	DESCRIPTION	BY
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C	11/06/24	REVISED	BP
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TASK NAME

**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
N.T.S.

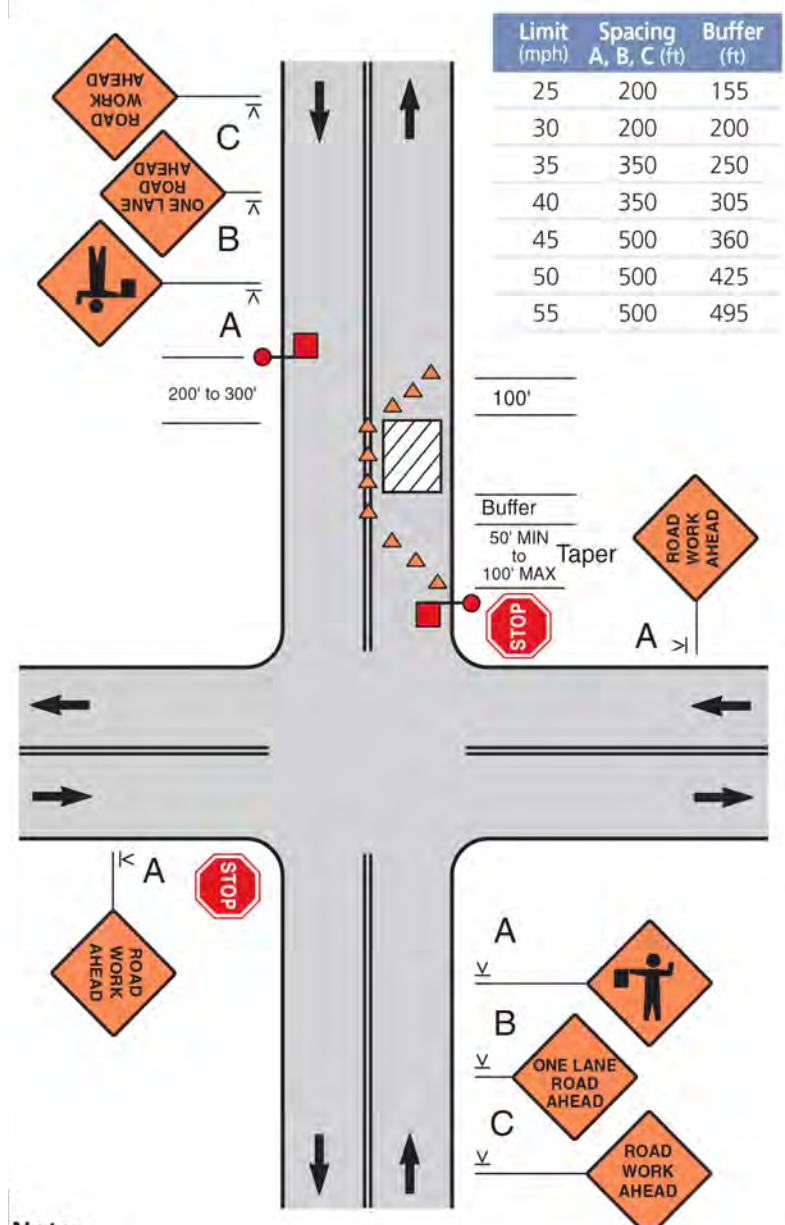
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**TRAFFIC CONTROL STANDARD DETAILS**

GRID NUMBER

SHEET NUMBER  
**TCP-10**

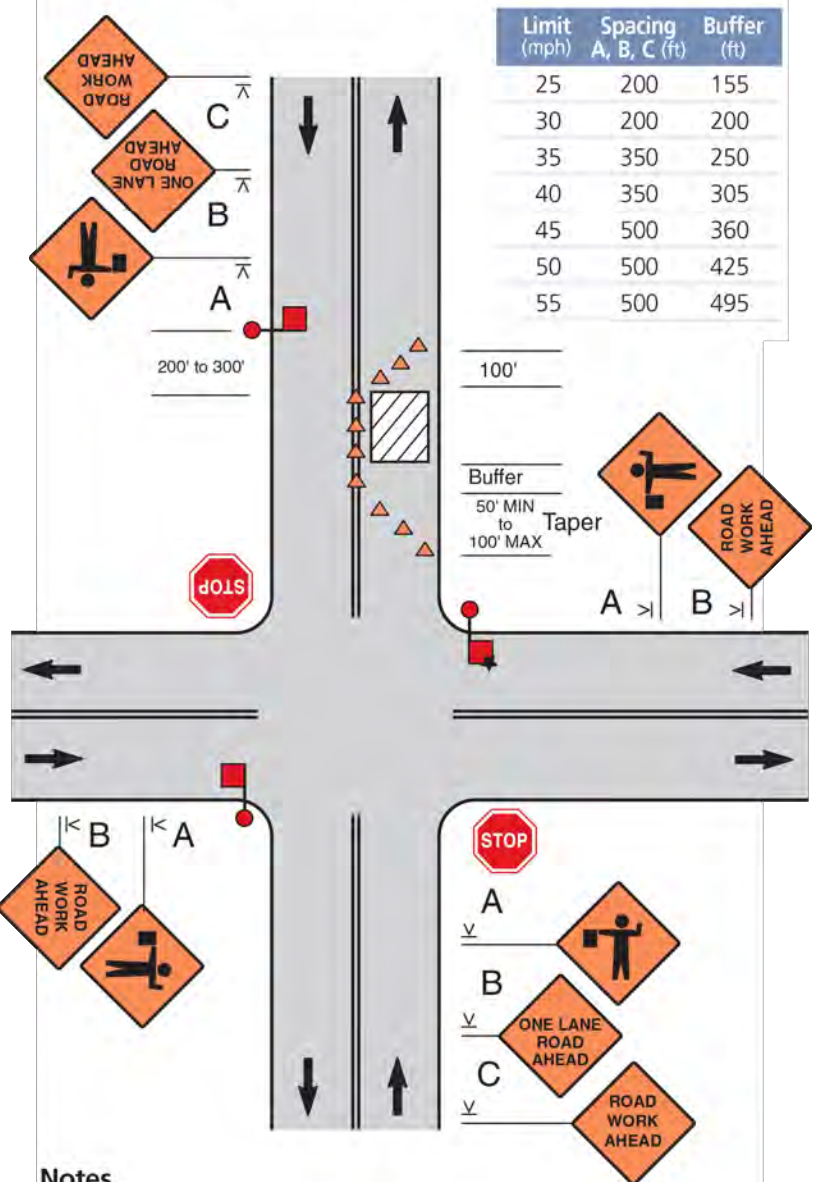


### Lane Closure Beyond an Intersection (Work Area on the Through Road)



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

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



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

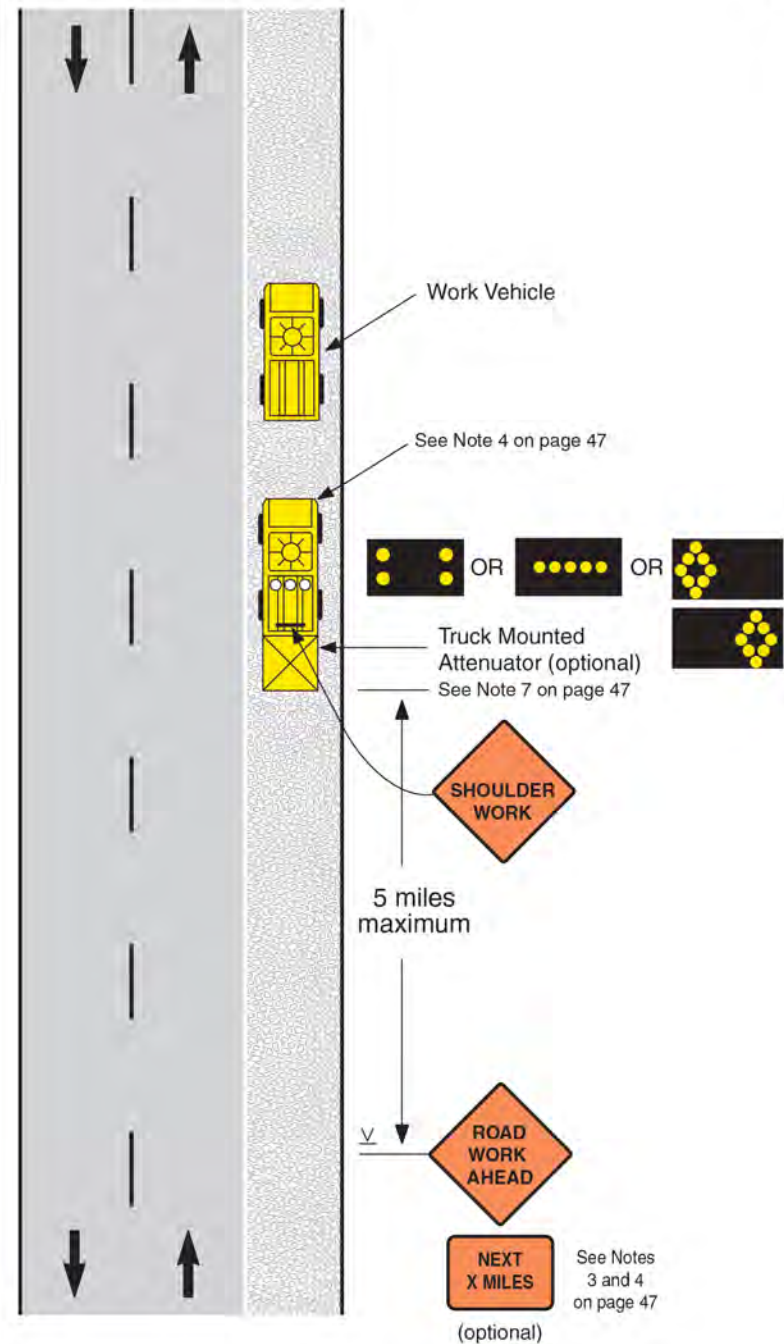
REV	DATE	DESCRIPTION	BY
A	06/14/24	ISSUED FOR REVIEW	IK
B	07/15/24	REVISED	GB
C	11/06/24	REVISED	BP
D	01/31/25	REVISED	HT

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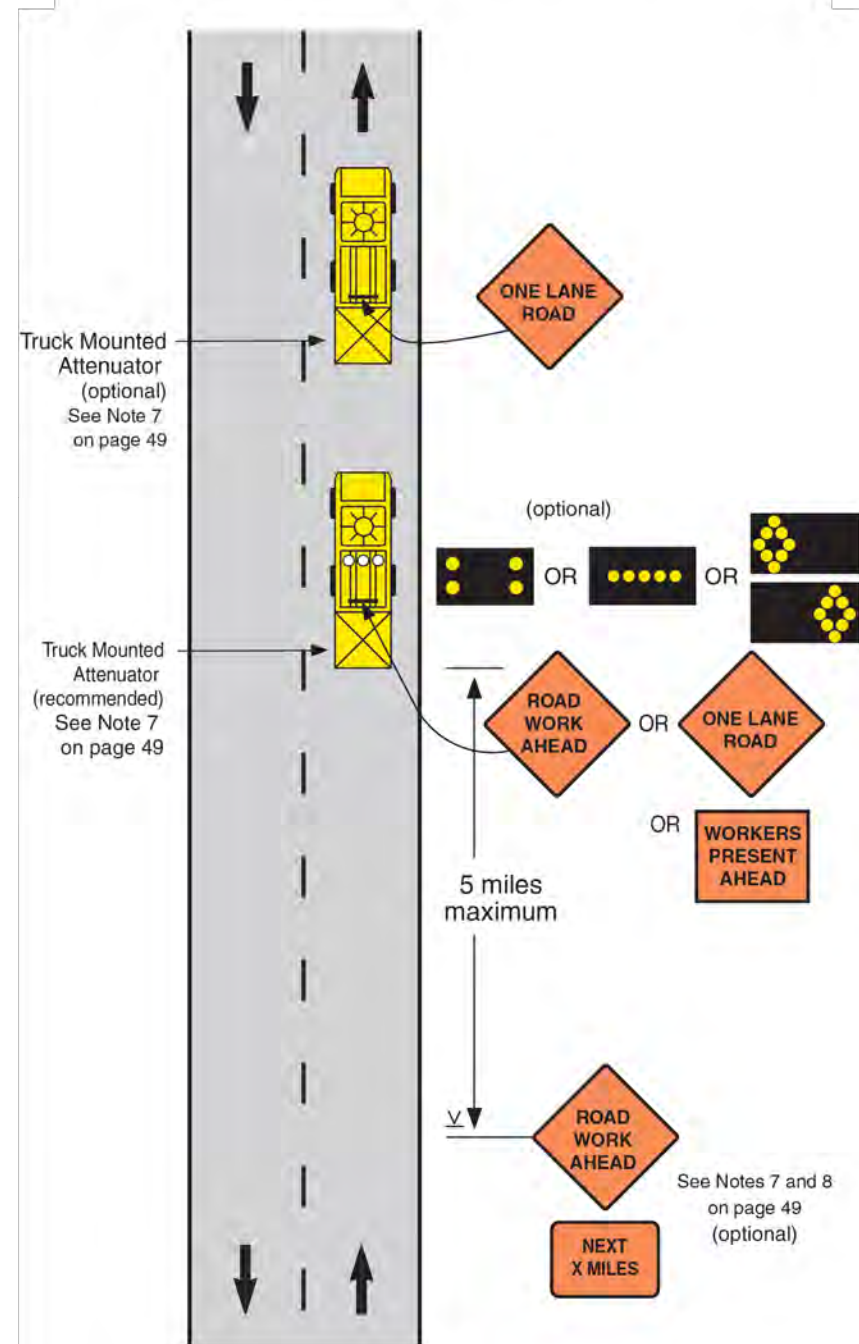
TASK NAME	WILC011
TASK DESCRIPTION	FIBER OPTIC CONDUIT PLACEMENT
PROJECT AREA	LACROSSE, WI, USA
SHEET SCALE	N.T.S.
SHEET TITLE	TRAFFIC CONTROL STANDARD DETAILS
GRID NUMBER	
SHEET NUMBER	TCP-11



### Mobile Operation on the Shoulder



### Mobile Operation on a Two-Lane Road



REV	DATE	DESCRIPTION	BY
A	06/14/24	ISSUED FOR REVIEW	IK
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TASK NAME

WILC011

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
N.T.S.

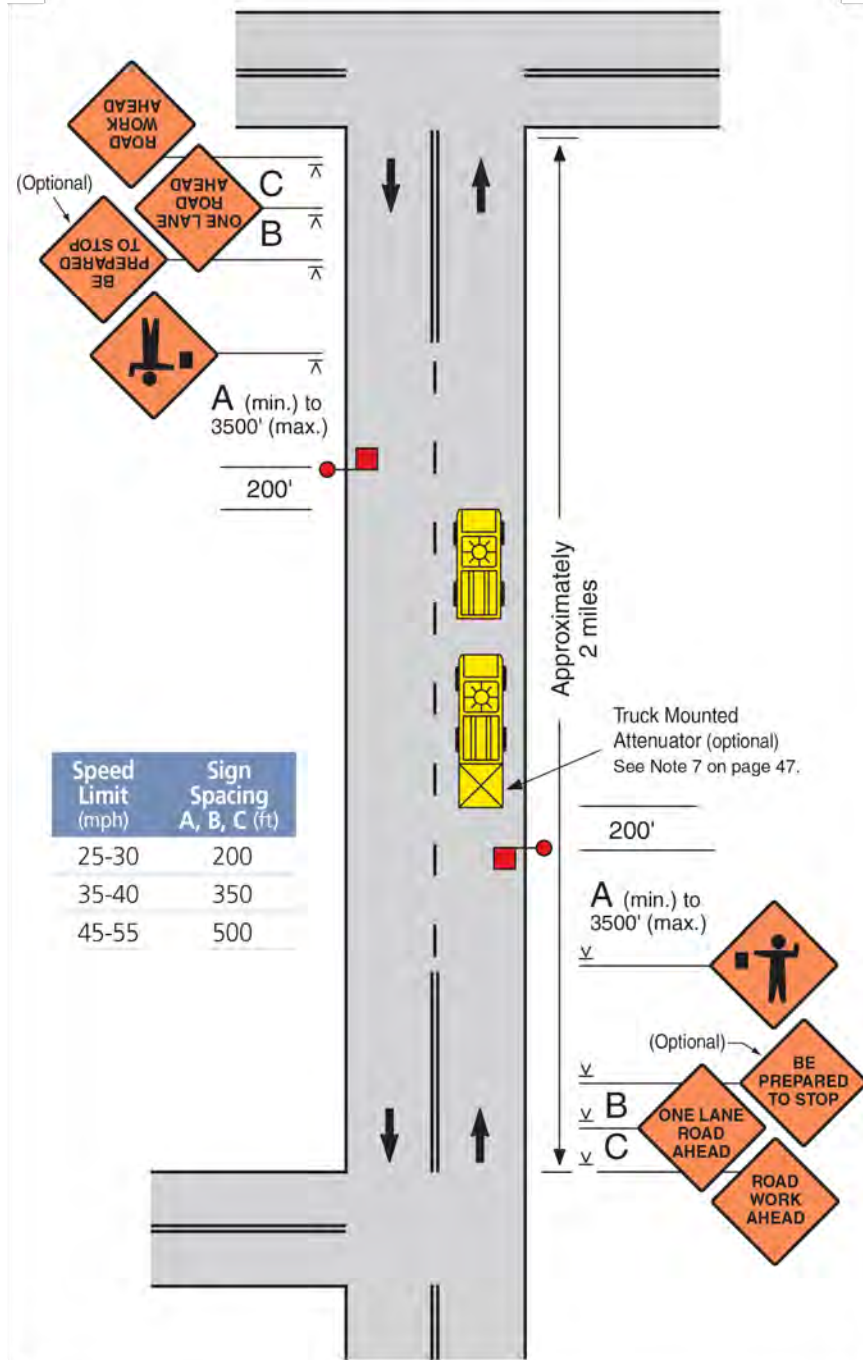
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GRID NUMBER

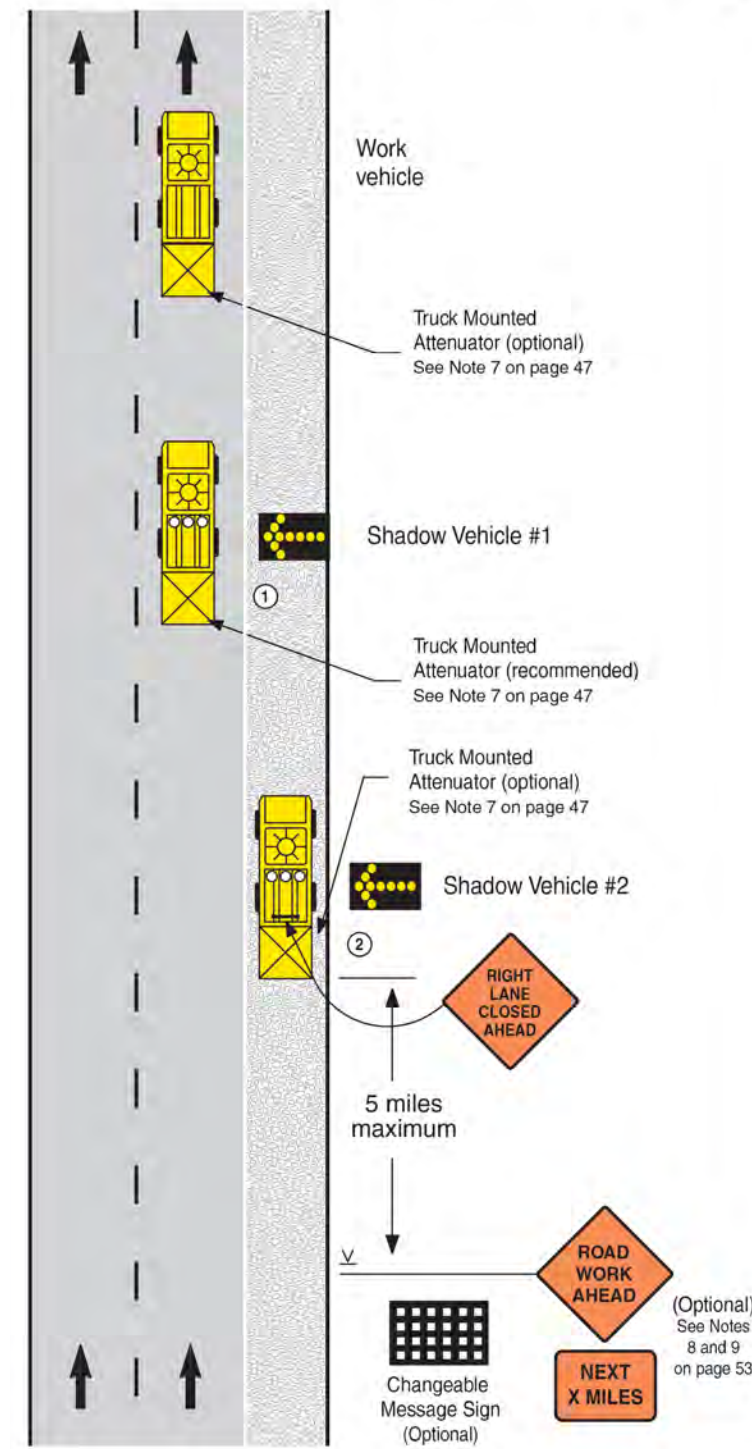
SHEET NUMBER  
TCP-12



### 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](http://epd.wisc.edu/tic)

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TASK NAME  
**WILC011**

TASK DESCRIPTION  
**FIBER OPTIC CONDUIT PLACEMENT**

PROJECT AREA  
LACROSSE, WI, USA

SHEET SCALE  
N.T.S.

SHEET TITLE  
**TRAFFIC CONTROL STANDARD DETAILS**

GRID NUMBER

SHEET NUMBER  
**TCP-13**