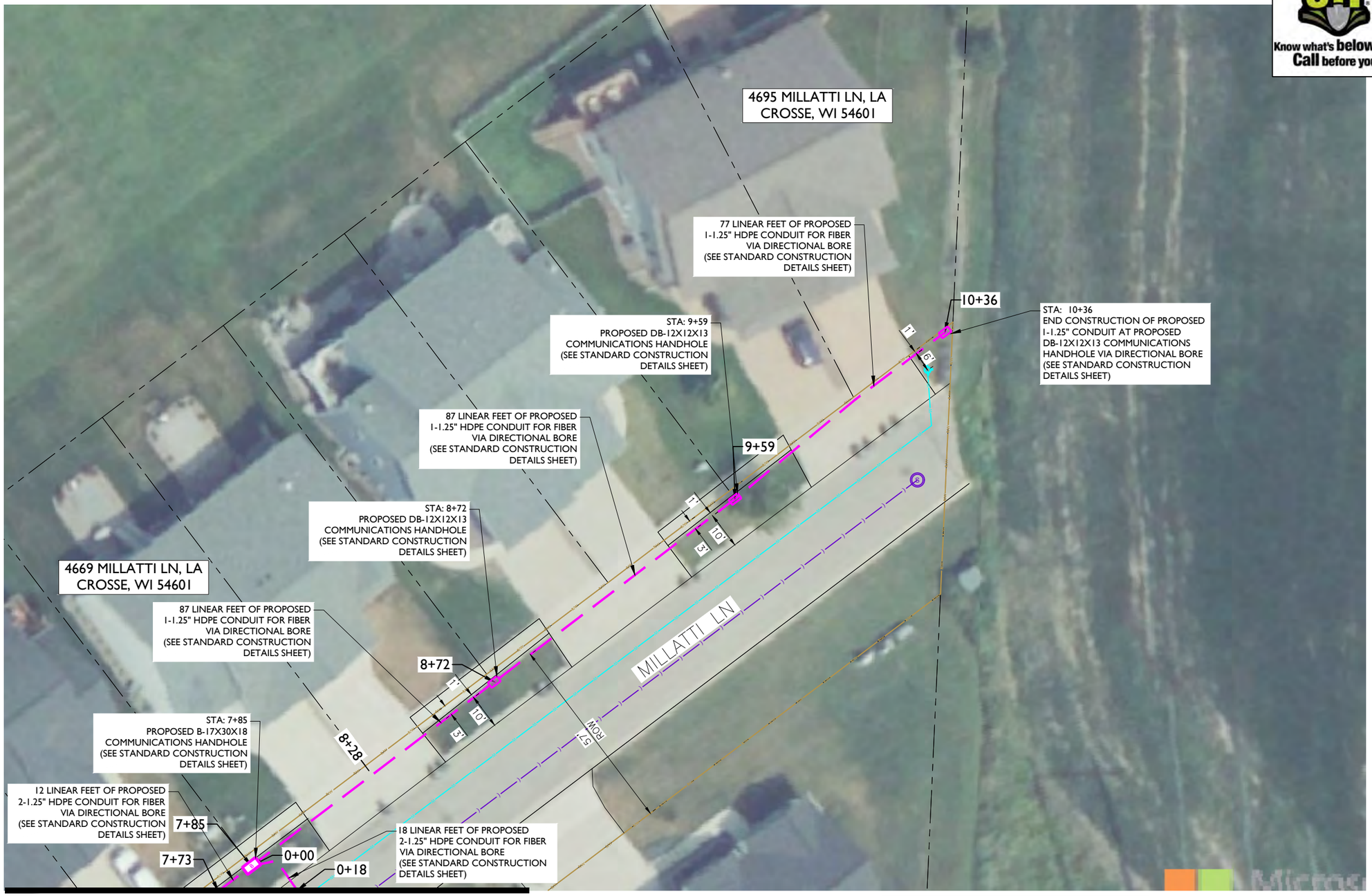

MATCHLINE – SHEET C–053

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 , WHEN APPLICABLE.

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.

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 AUTHORITIES.

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EVANSVILLE, IN, 47715

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

REV	DATE	DESCRIPTION	BY
A	06/14/24	ISSUED FOR REVIEW	IK
B	07/03/24	REVISED	IK
C	11/06/24	REVISED	BP

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
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

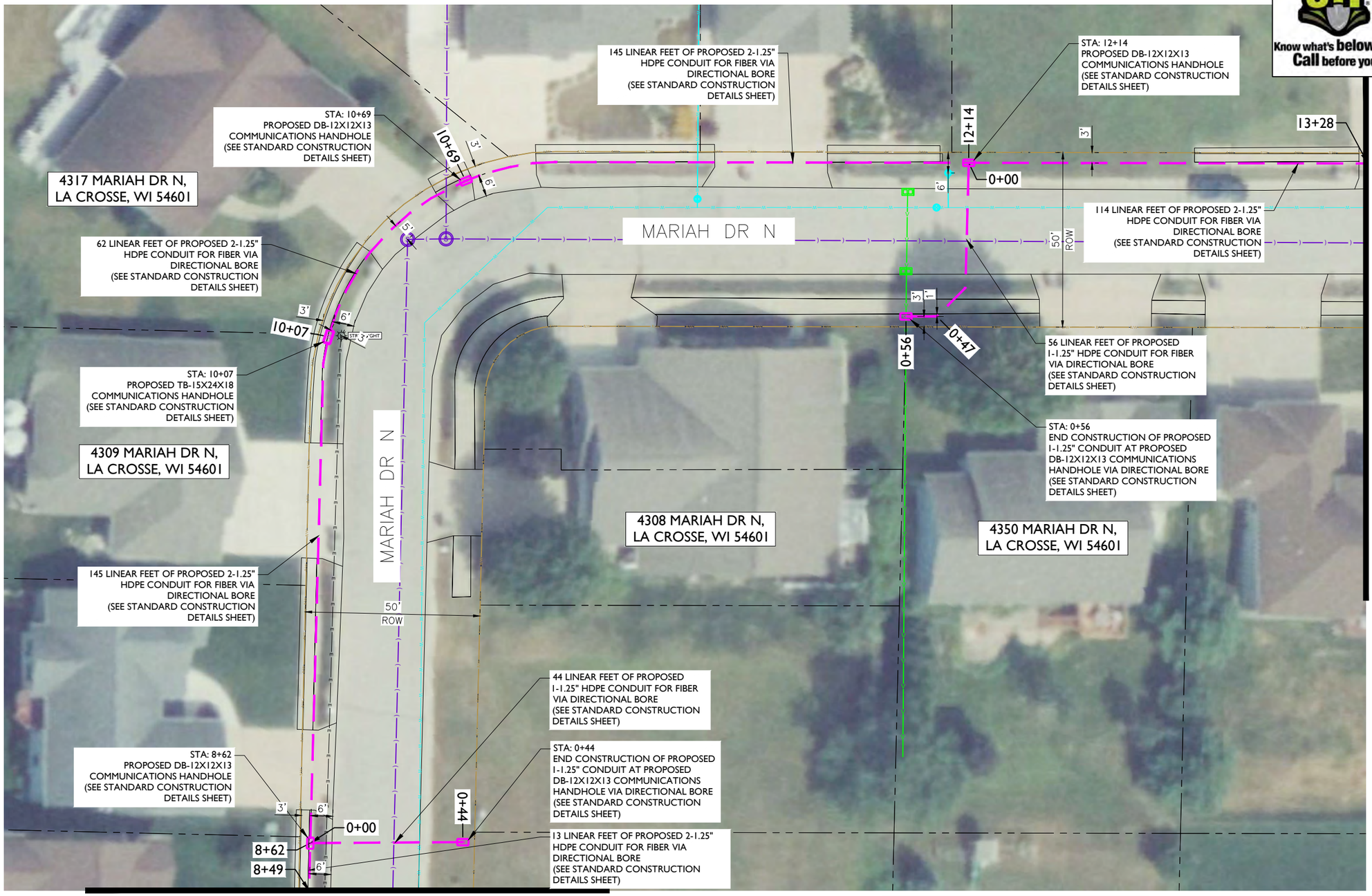
SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-054

PROJECT# 2023.0119.0000



MATCHLINE – SHEET C–056

MATCHLINE – SHEET C–063

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 , WHEN APPLICABLE.

NOTE:
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NOTE:
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NOTE:
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C	11/06/24	REVISED	BP

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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

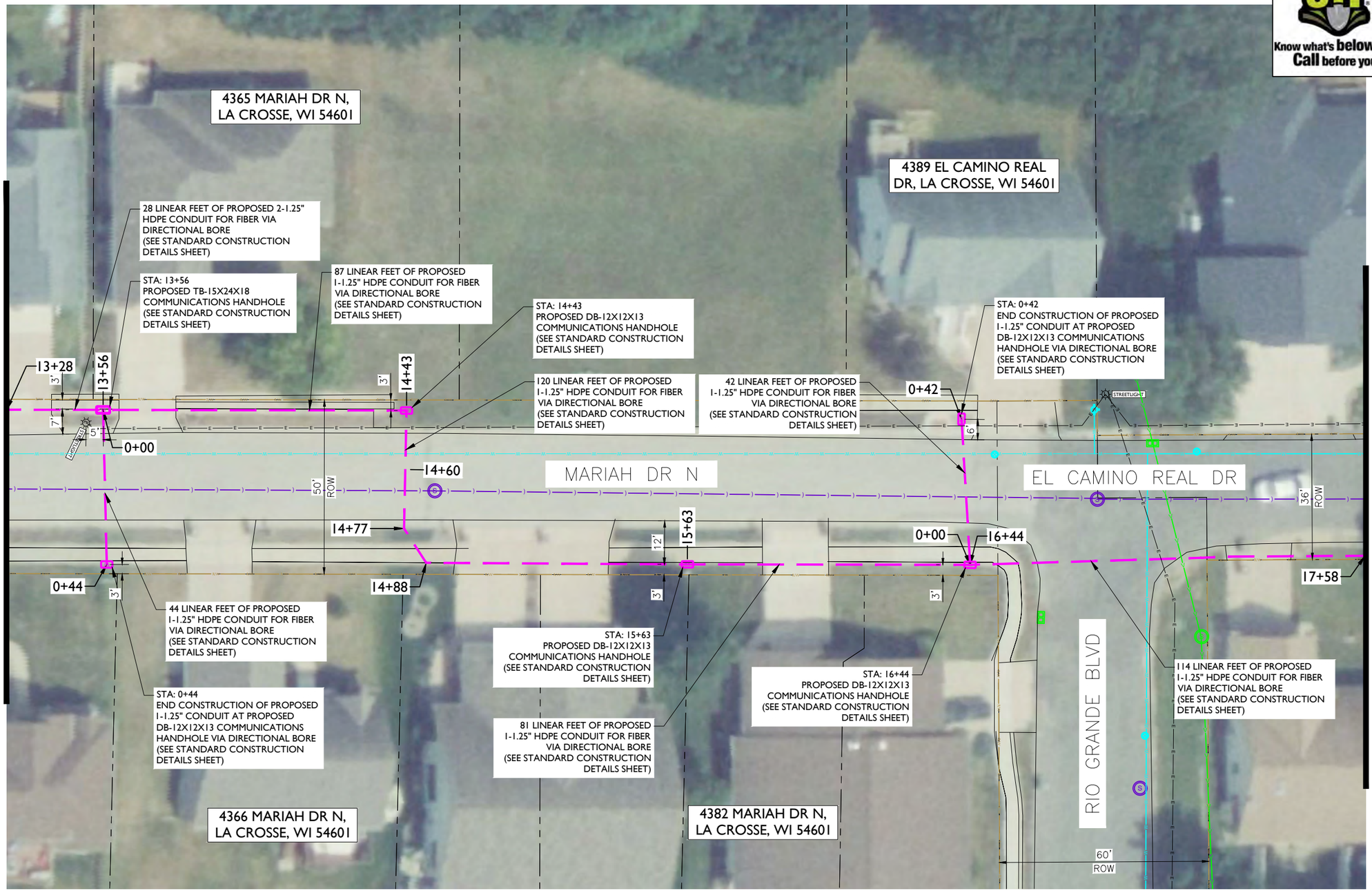
SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-055

PROJECT# 2023.0119.0000



NOTE:
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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

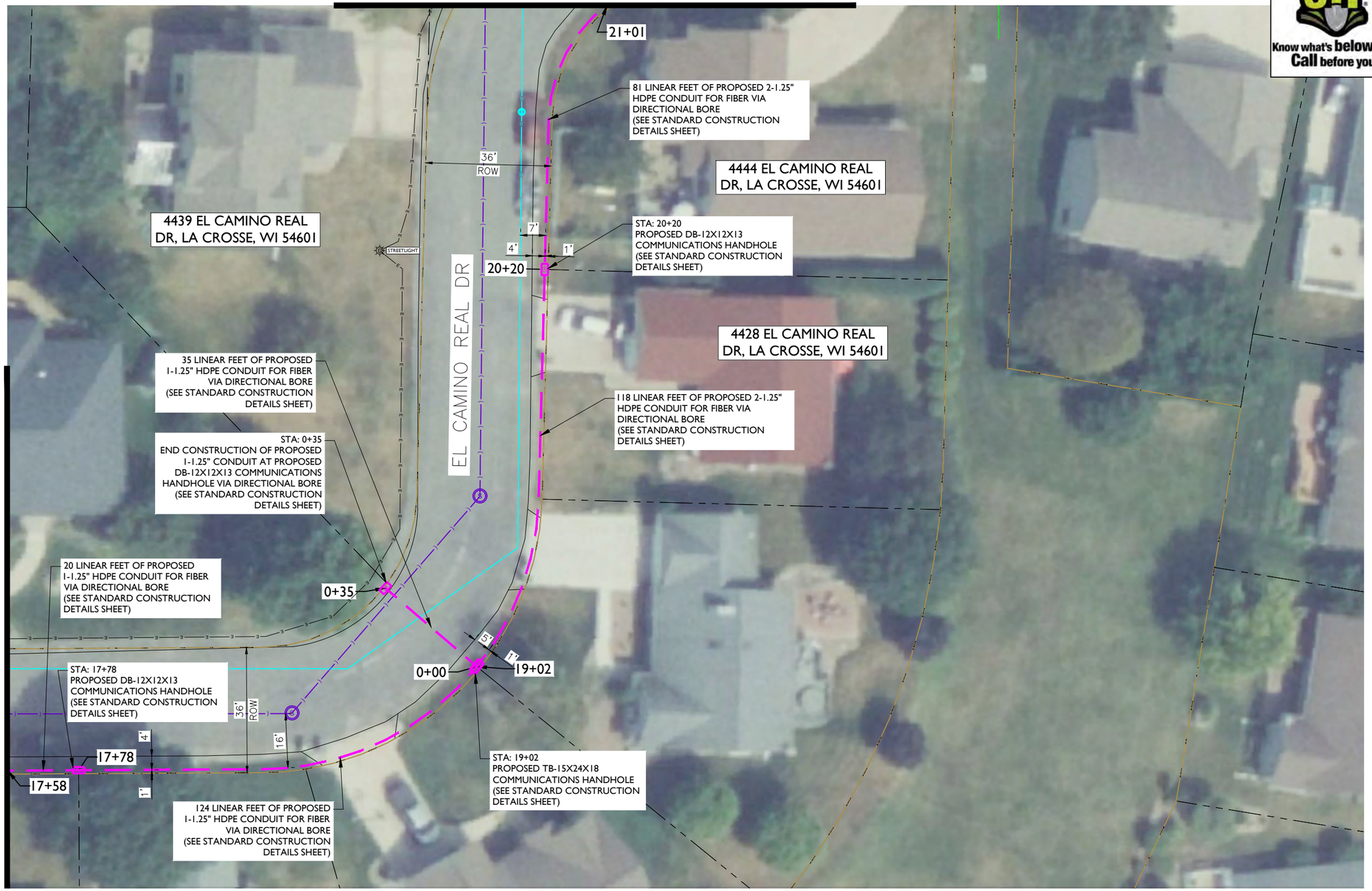
GRID NUMBER

SHEET NUMBER
C-056

PROJECT# 2023.0119.0000

MATCHLINE – SHEET C–058

MATCHLINE – SHEET C–056



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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-057

PROJECT# 2023.0119.0000

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

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4445 EL CAMINO REAL DR, LA CROSSE, WI 54601

4459 EL CAMINO REAL DR, LA CROSSE, WI 54601

4467 EL CAMINO REAL DR, LA CROSSE, WI 54601

EL CAMINO REAL DR

STA: 21+76
PROPOSED B-17X30X18 COMMUNICATIONS HANDHOLE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

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

STA: 22+56
PROPOSED DB-12X12X13 COMMUNICATIONS HANDHOLE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

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

STA: 23+36
PROPOSED DB-12X12X13 COMMUNICATIONS HANDHOLE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

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

STA: 24+11
PROPOSED DB-12X12X13 COMMUNICATIONS HANDHOLE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

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

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

STA: 0+34
END CONSTRUCTION OF PROPOSED 1-1.25" CONDUIT AT PROPOSED DB-12X12X13 COMMUNICATIONS HANDHOLE VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

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

21+76 | 22+56 | 23+36 | 0+00 | 24+11 | 21+02 | 0+34 | 24+51

MATCHLINE – SHEET C-057

MATCHLINE – SHEET C-059

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 , WHEN APPLICABLE.

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NOTE:
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C	11/06/24	REVISED	BP

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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

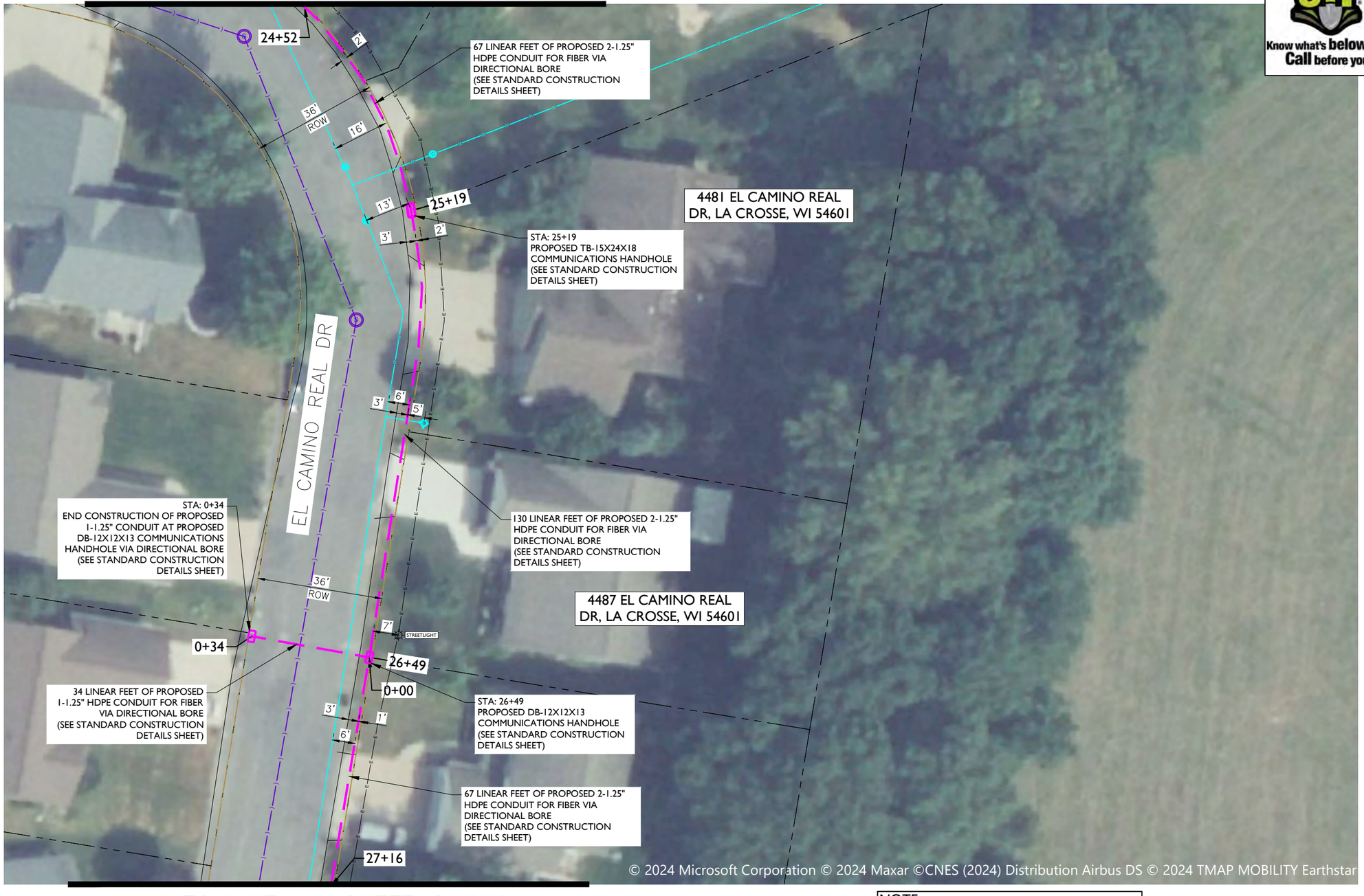
SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-058

PROJECT# 2023.0119.0000

MATCHLINE – SHEET C–058



MATCHLINE – SHEET C–060

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 , WHEN APPLICABLE.

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

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B	07/03/24	REVISED	IK
C	11/06/24	REVISED	BP

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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

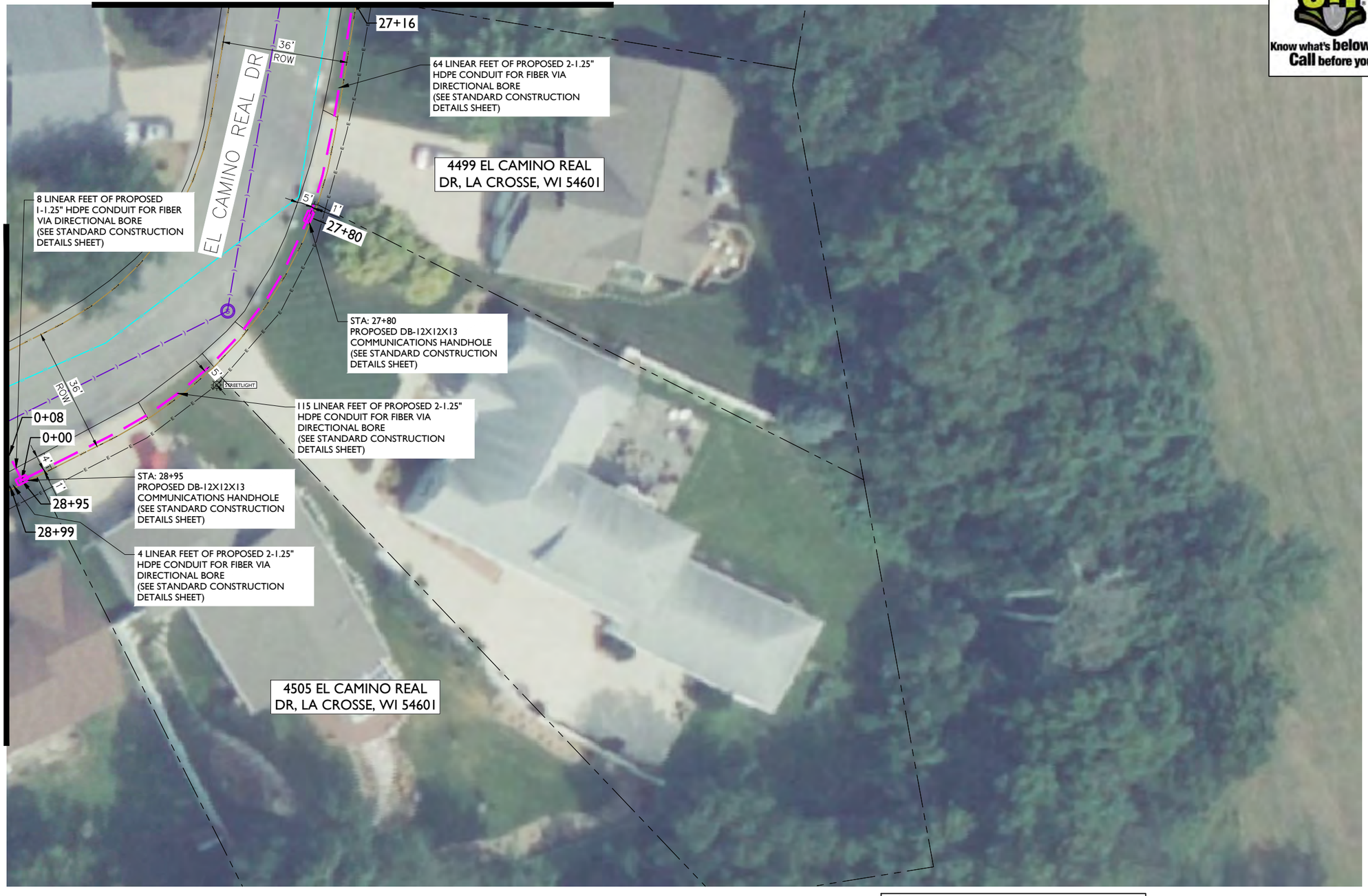
GRID NUMBER

SHEET NUMBER
C-059

PROJECT# 2023.0119.0000

MATCHLINE – SHEET C–059

MATCHLINE – SHEET C–061



NOTE:
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NOTE:
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EVANSVILLE, IN, 47715

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

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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-060

PROJECT# 2023.0119.0000

Know what's below. Call before you dig.

MATCHLINE – SHEET C–062

MATCHLINE – SHEET C–060

4530 EL CAMINO REAL DR, LA CROSSE, WI 54601

4536 EL CAMINO REAL DR, LA CROSSE, WI 54601

4542 EL CAMINO REAL DR, LA CROSSE, WI 54601

4523 EL CAMINO REAL DR, LA CROSSE, WI 54601

4529 EL CAMINO REAL DR, LA CROSSE, WI 54601

4541 EL CAMINO REAL DR, LA CROSSE, WI 54601

EL CAMINO REAL DR

STA: 0+38
END CONSTRUCTION OF PROPOSED 1-1.25" CONDUIT AT PROPOSED DB-12X12X13 COMMUNICATIONS HANDHOLE VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

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

0+38

0+08

STA: 0+77
END CONSTRUCTION OF PROPOSED 1-1.25" CONDUIT AT PROPOSED DB-12X12X13 COMMUNICATIONS HANDHOLE VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

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

0+77

0+39

28+99

ROW 36'

STA: 0+75
END CONSTRUCTION OF PROPOSED 1-1.25" CONDUIT AT PROPOSED DB-12X12X13 COMMUNICATIONS HANDHOLE VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

0+75

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

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

0+00

30+28

STA: 30+28
PROPOSED TB-15X24X18 COMMUNICATIONS HANDHOLE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

0+42

0+35

STA: 0+74
END CONSTRUCTION OF PROPOSED 1-1.25" CONDUIT AT PROPOSED DB-12X12X13 COMMUNICATIONS HANDHOLE VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

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

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

0+74

0+00

STA: 31+57
PROPOSED DB-12X12X13 COMMUNICATIONS HANDHOLE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

3+57

SWEEPLIGHT

0+36

0+29

ROW 36'

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

STA: 32+92
PROPOSED DB-12X12X13 COMMUNICATIONS HANDHOLE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

32+92

0+00

33+33

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

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 , WHEN APPLICABLE.

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

Fullerton DESIGN DEVELOP CONSTRUCT
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www.fullerton-us.com

REV	DATE	DESCRIPTION	BY
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B	07/03/24	REVISED	IK
C	11/06/24	REVISED	BP

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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

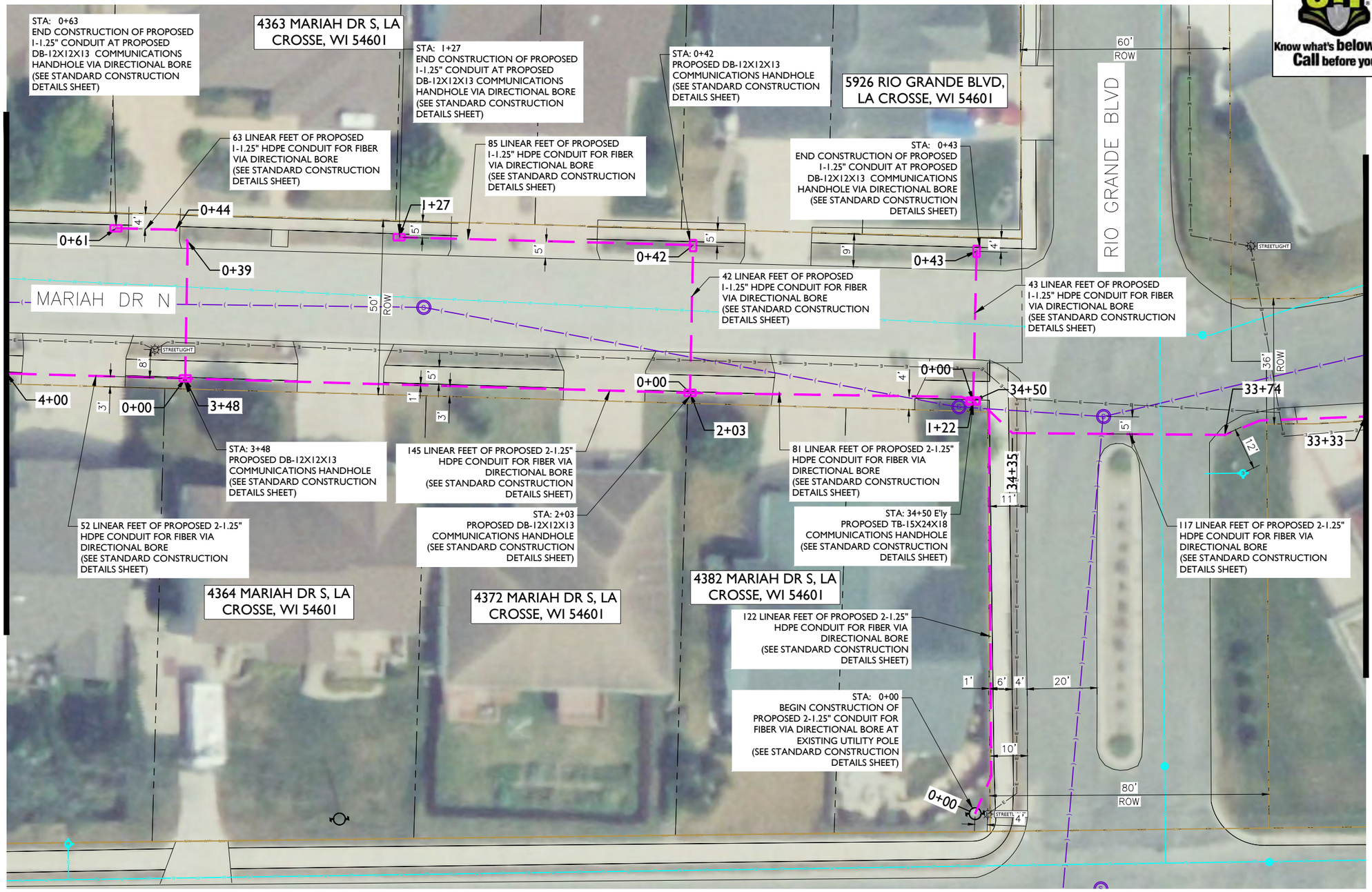
SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-061

PROJECT# 2023.0119.0000



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TASK NAME: WILC002

TASK DESCRIPTION: FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA: LACROSSE, WI

SHEET SCALE: 1" = 30'-0"

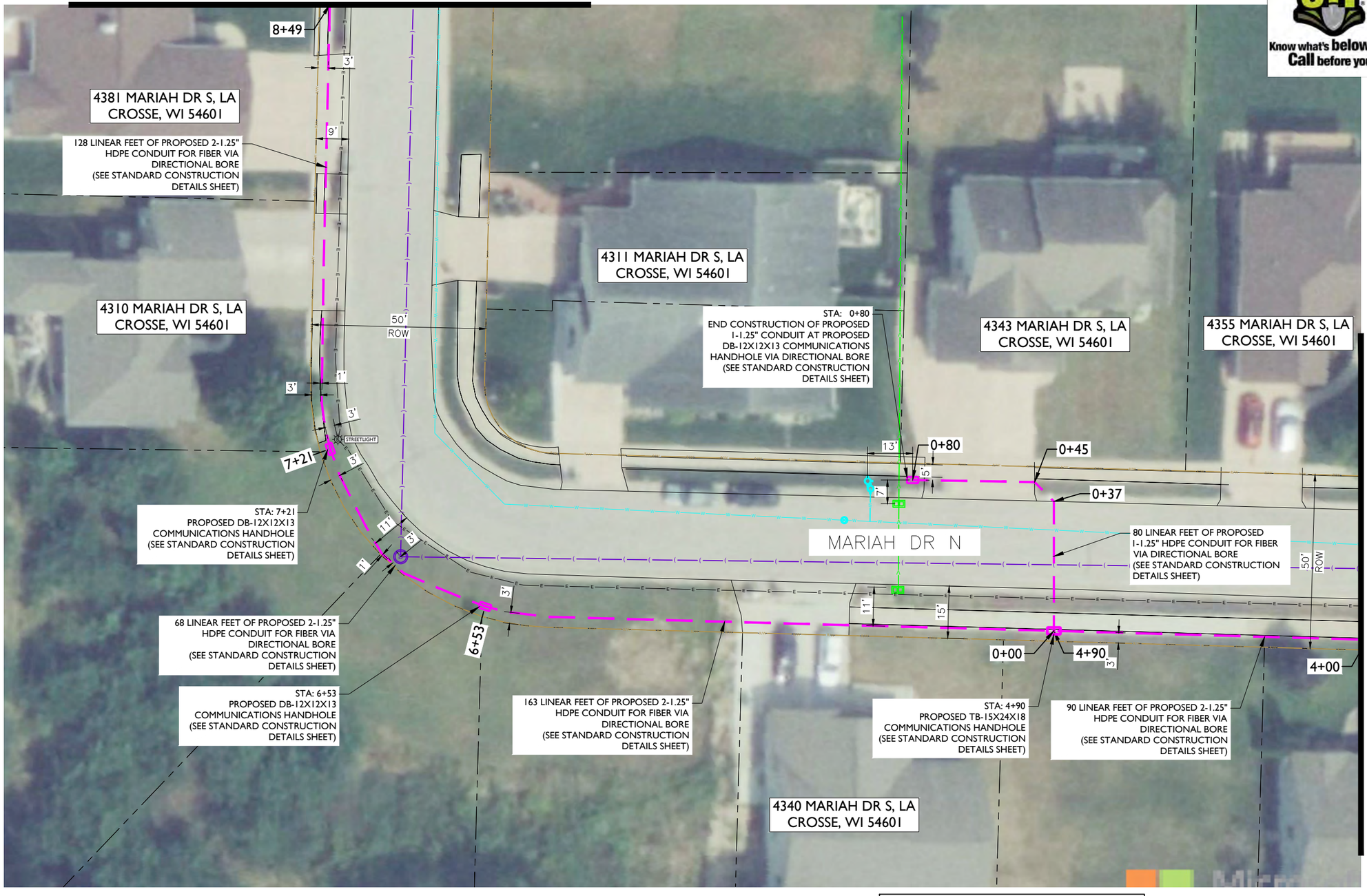
SHEET TITLE: DESIGN LAYOUT

GRID NUMBER:

SHEET NUMBER: C-062

PROJECT# 2023.0119.0000

MATCHLINE – SHEET C–055



MATCHLINE – SHEET C–062

Know what's below. Call before you dig.

NOTE:
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Fullerton
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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

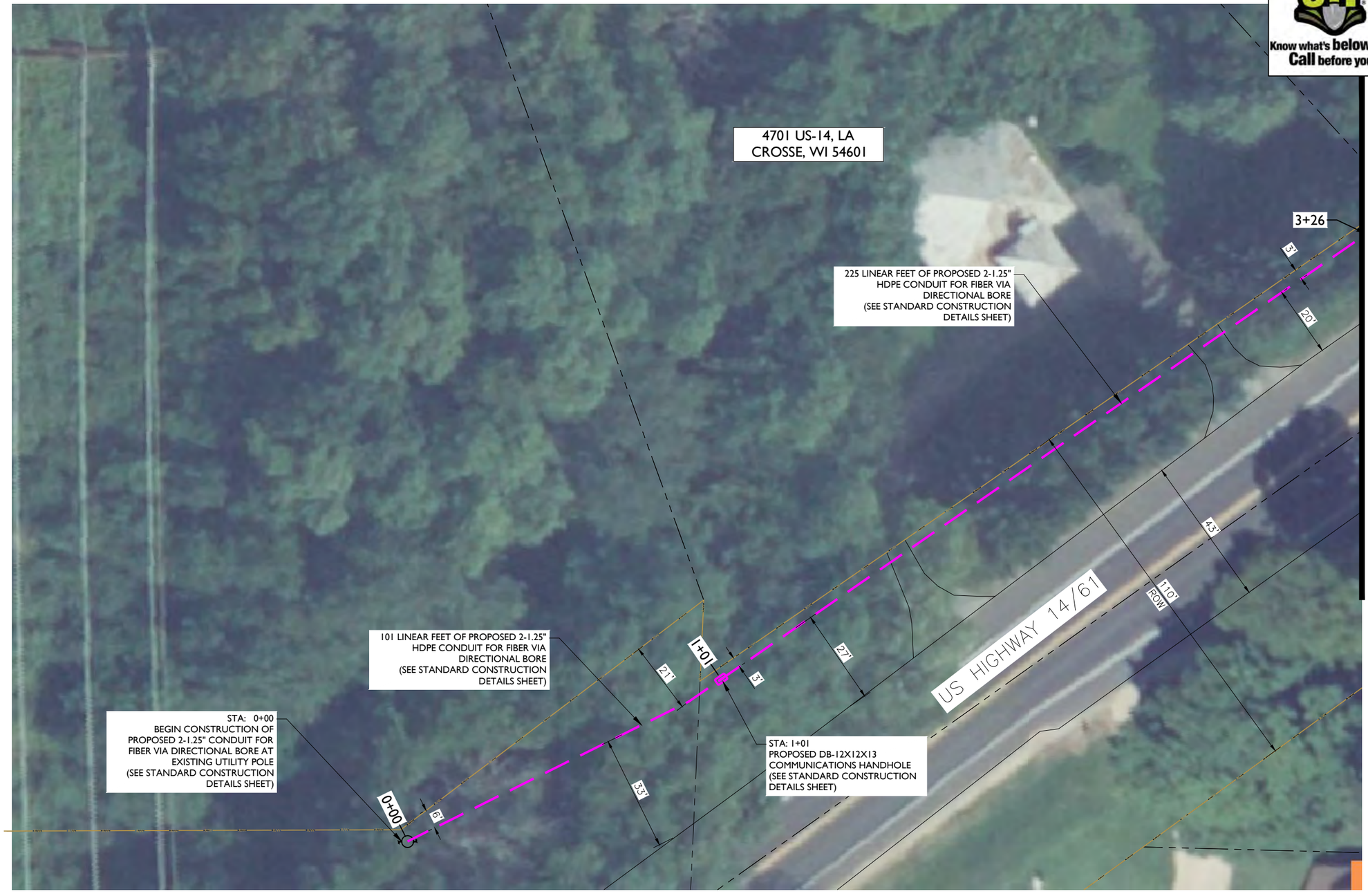
SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-063

PROJECT# 2023.0119.0000



MATCHLINE – SHEET C-065

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 , WHEN APPLICABLE.

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.

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

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EVANSVILLE, IN, 47715

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

REV	DATE	DESCRIPTION	BY
A	06/14/24	ISSUED FOR REVIEW	IK
B	07/03/24	REVISED	IK
C	11/06/24	REVISED	BP

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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

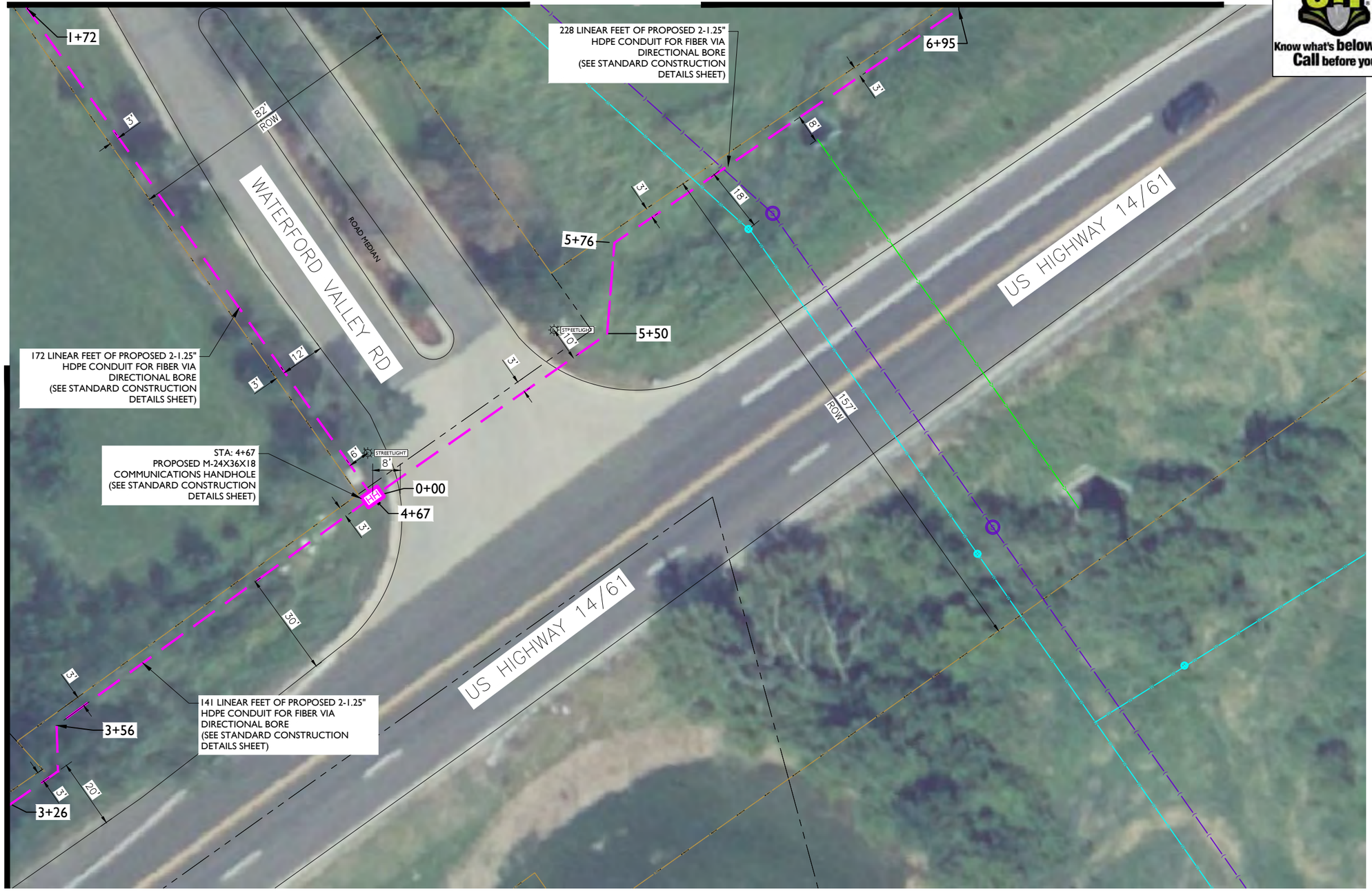
SHEET NUMBER
C-064

PROJECT# 2023.0119.0000

MATCHLINE – SHEET C–066

MATCHLINE – SHEET C–079

MATCHLINE – SHEET C–064



NOTE:
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NOTE:
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NOTE:
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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

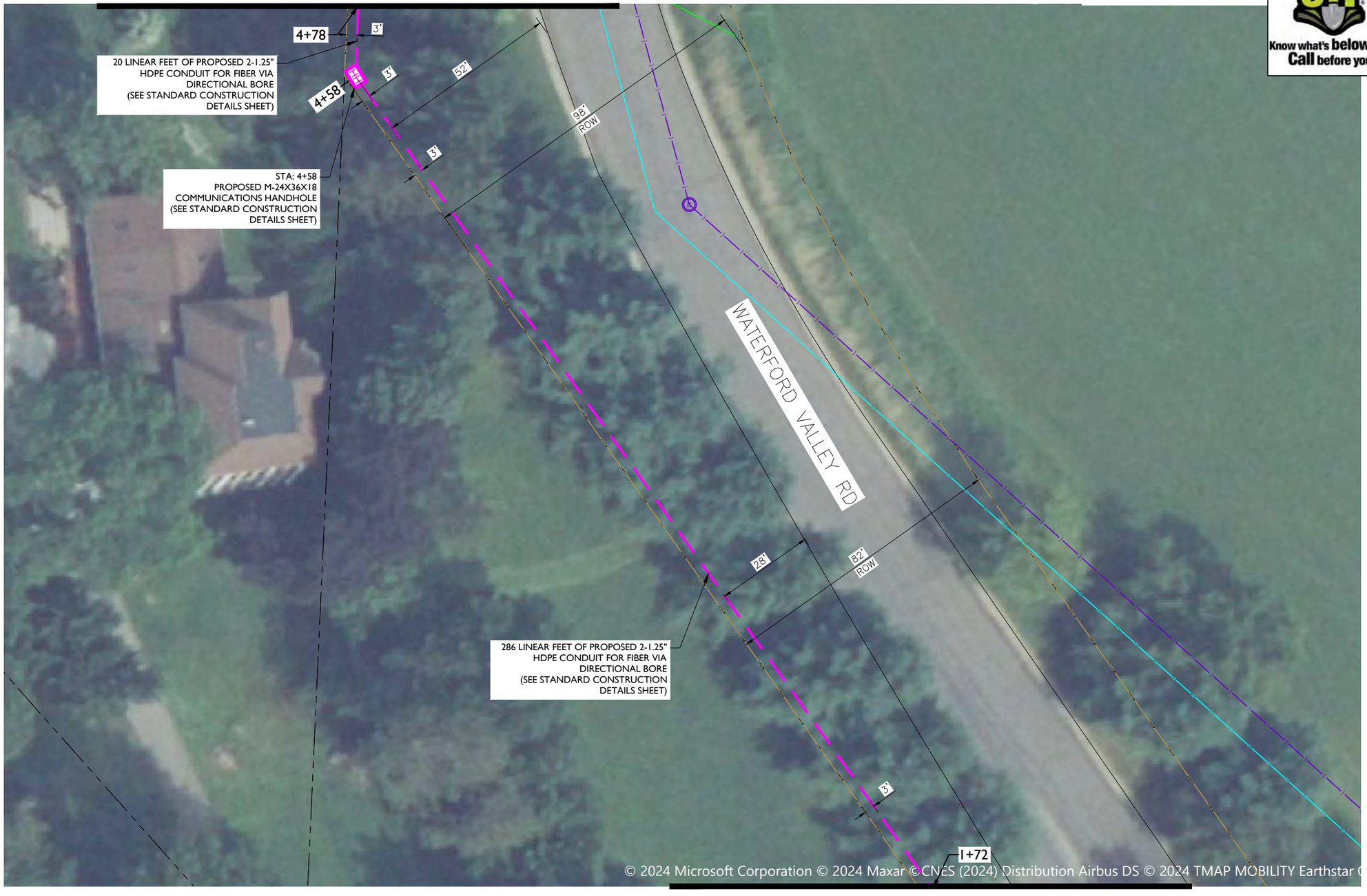
SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-065

PROJECT# 2023.0119.0000

MATCHLINE – SHEET C–067



MATCHLINE – SHEET C–065

NOTE:
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NOTE:
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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-066

PROJECT# 2023.0119.0000

MATCHLINE – SHEET C-069

MATCHLINE – SHEET C-068

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
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

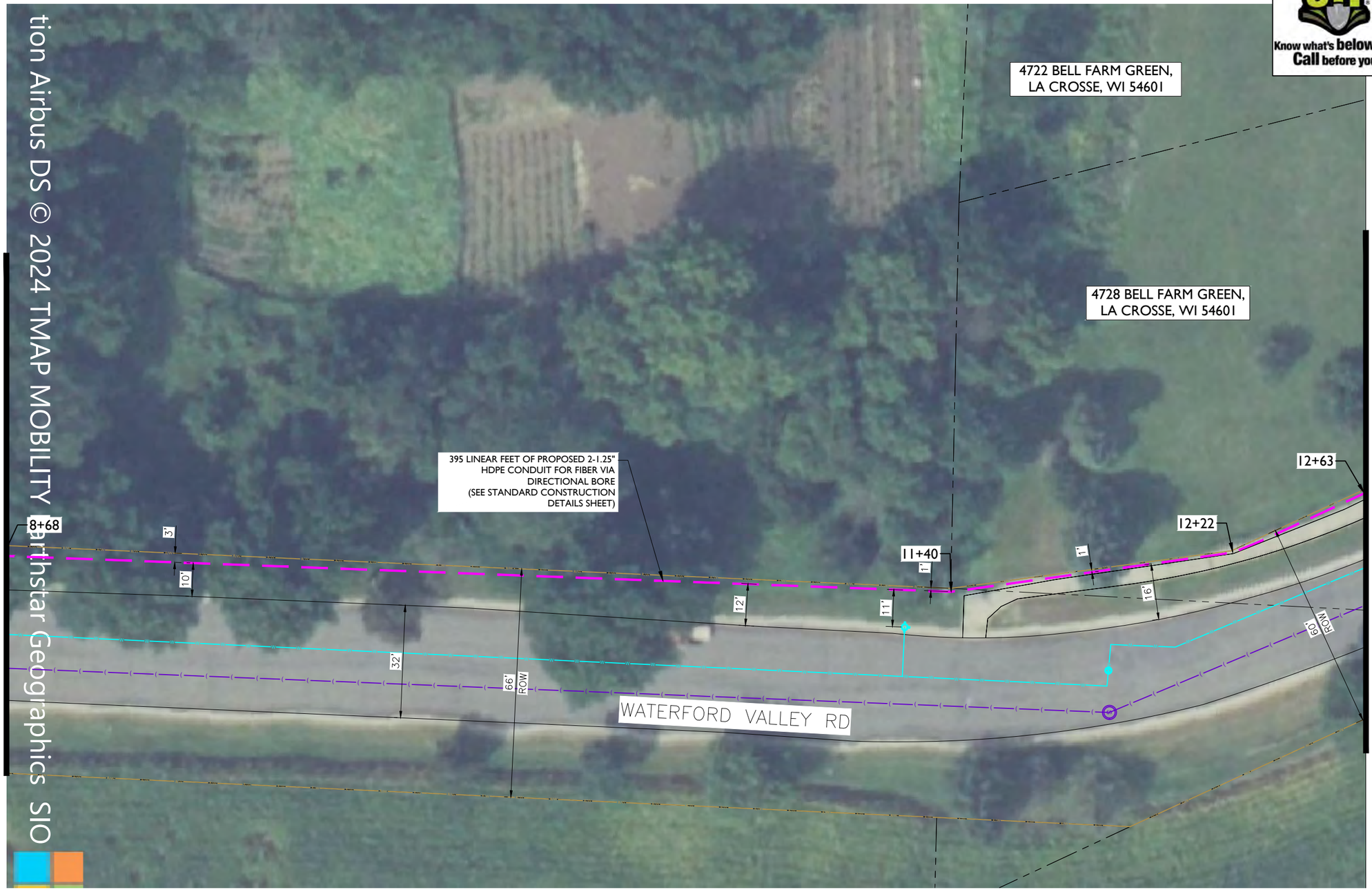
SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-067

PROJECT# 2023.0119.0000



NOTE:
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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

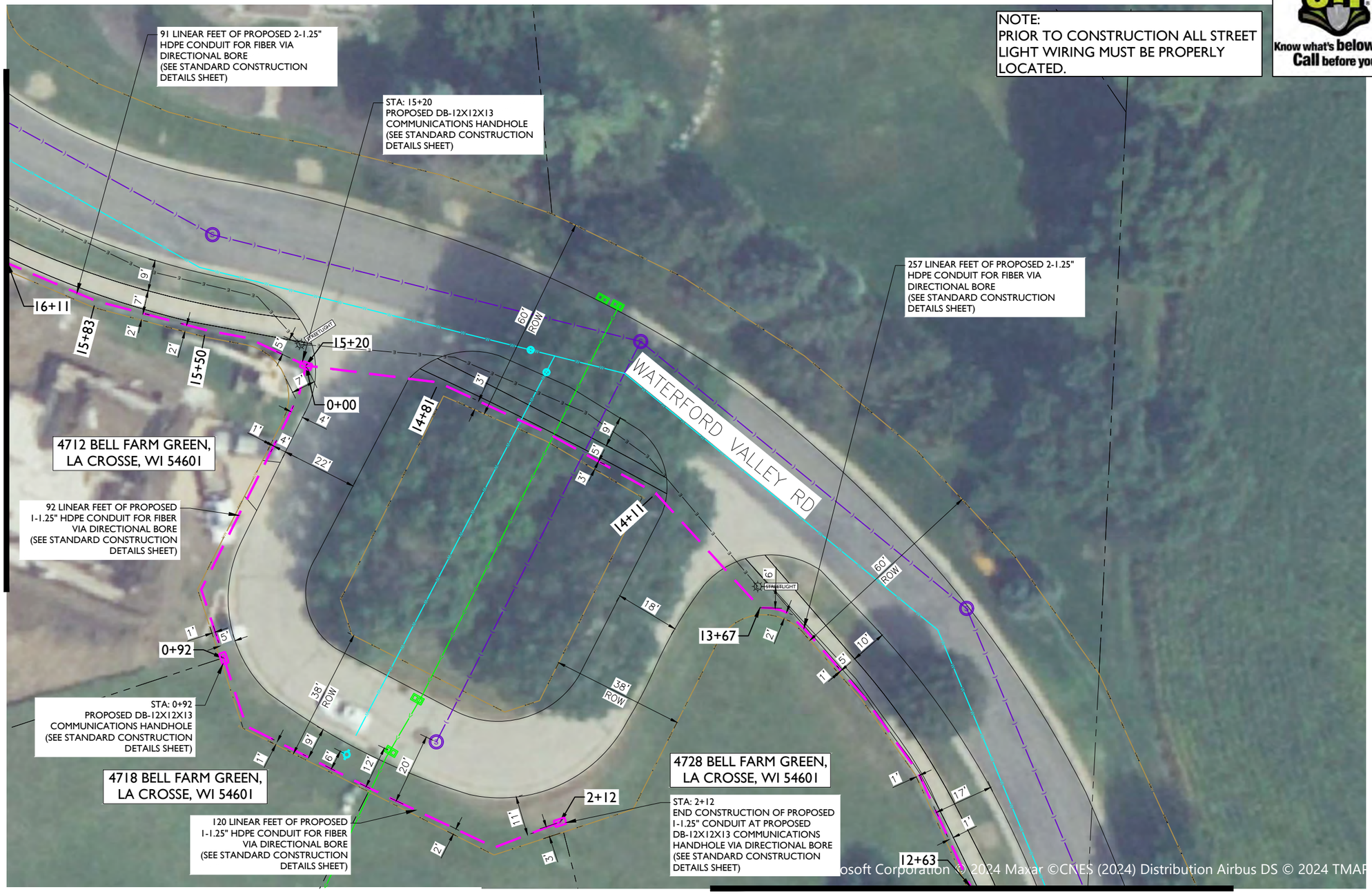
SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-068

PROJECT# 2023.0119.0000

MATCHLINE – SHEET C–070



MATCHLINE – SHEET C–068

811 Know what's below. Call before you dig.

NOTE:
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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

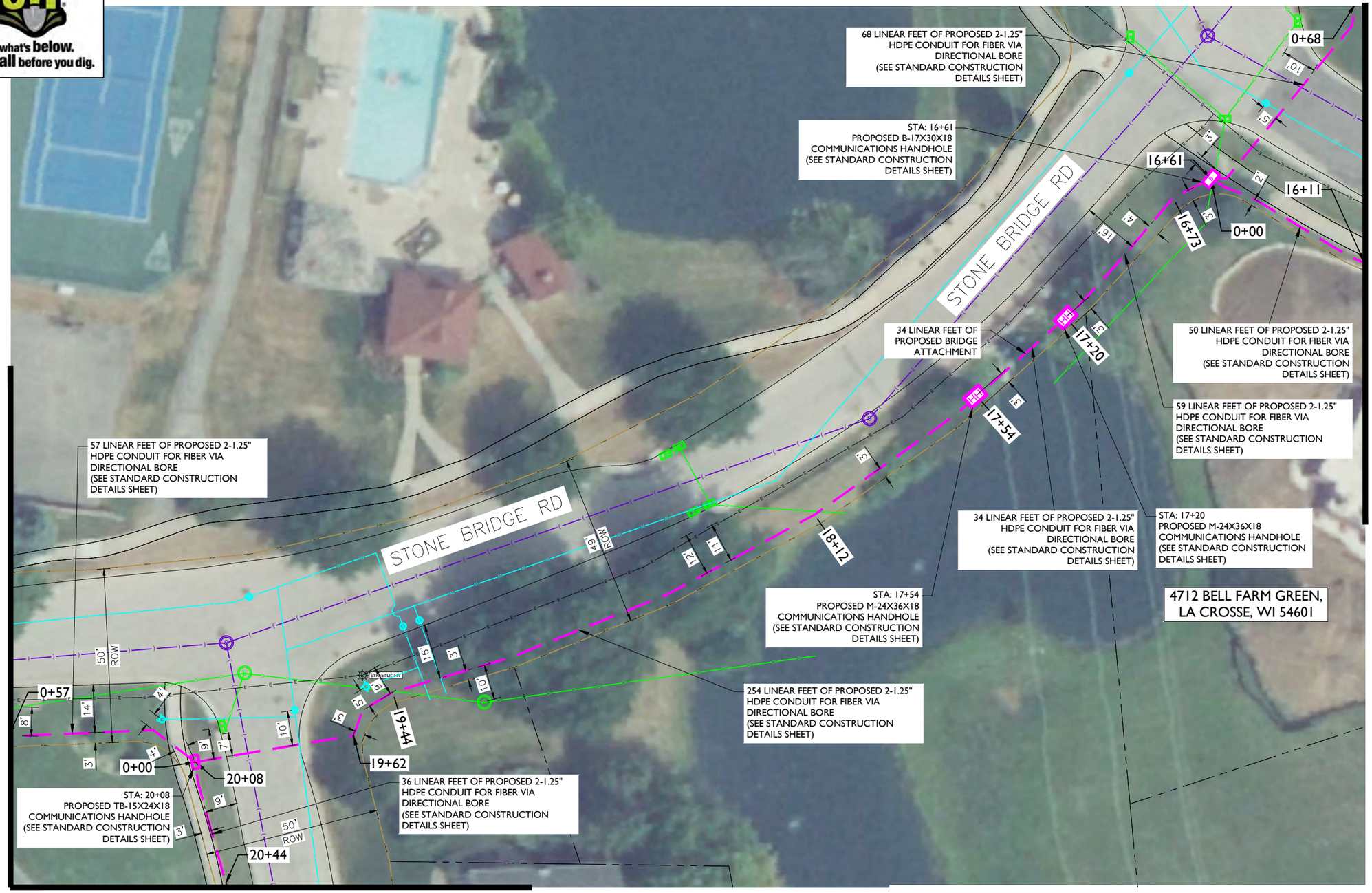
SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-069

PROJECT# 2023.0119.0000

Know what's below. Call before you dig.



MATCHLINE – SHEET C–076

MATCHLINE – SHEET C–069

MATCHLINE – SHEET C–073

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
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

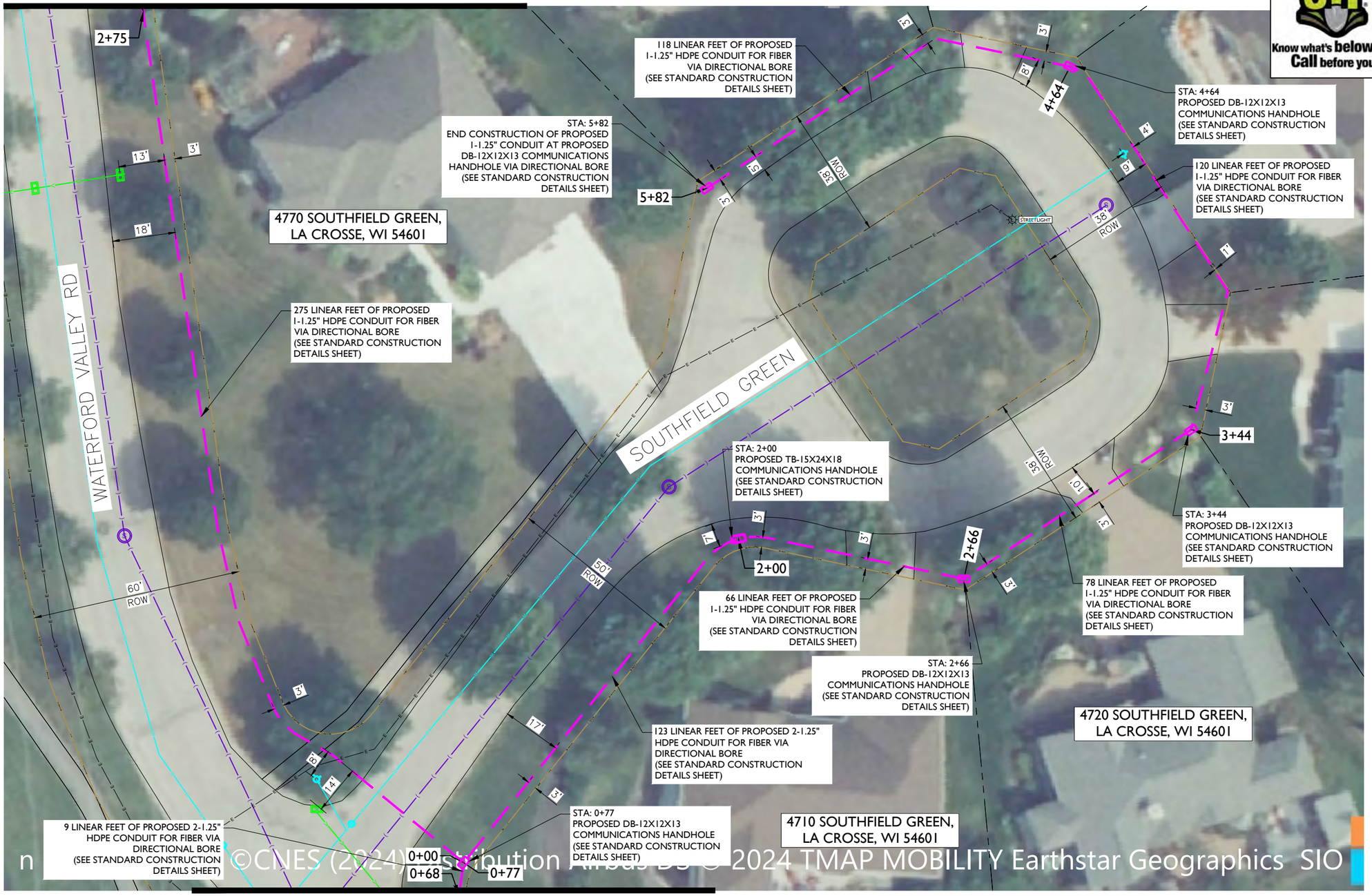
SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-070

PROJECT# 2023.0119.0000

MATCHLINE – SHEET C–072



MATCHLINE – SHEET C–070

NOTE:
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C	11/06/24	REVISED	BP

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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

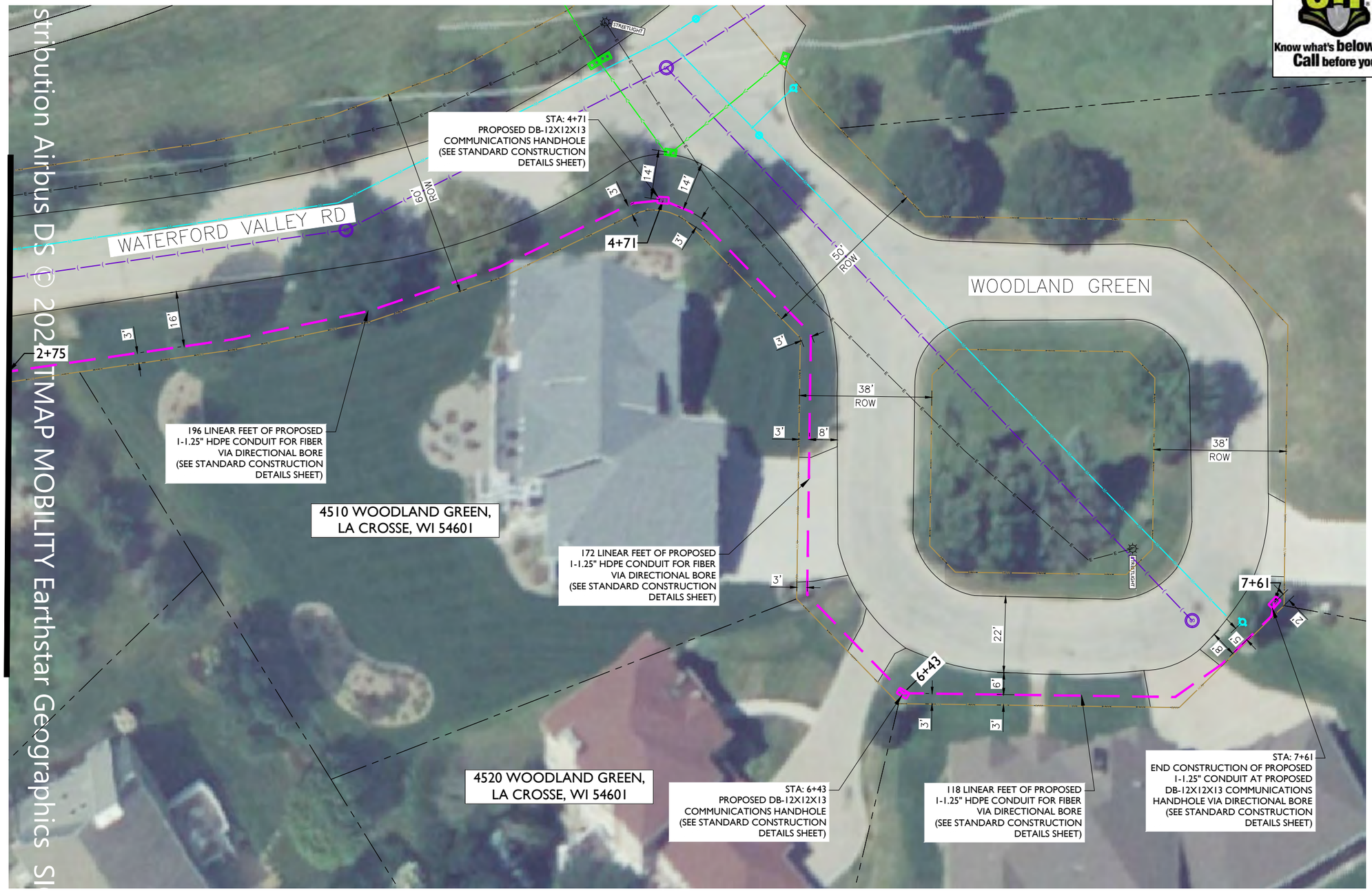
SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-071

PROJECT# 2023.0119.0000



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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

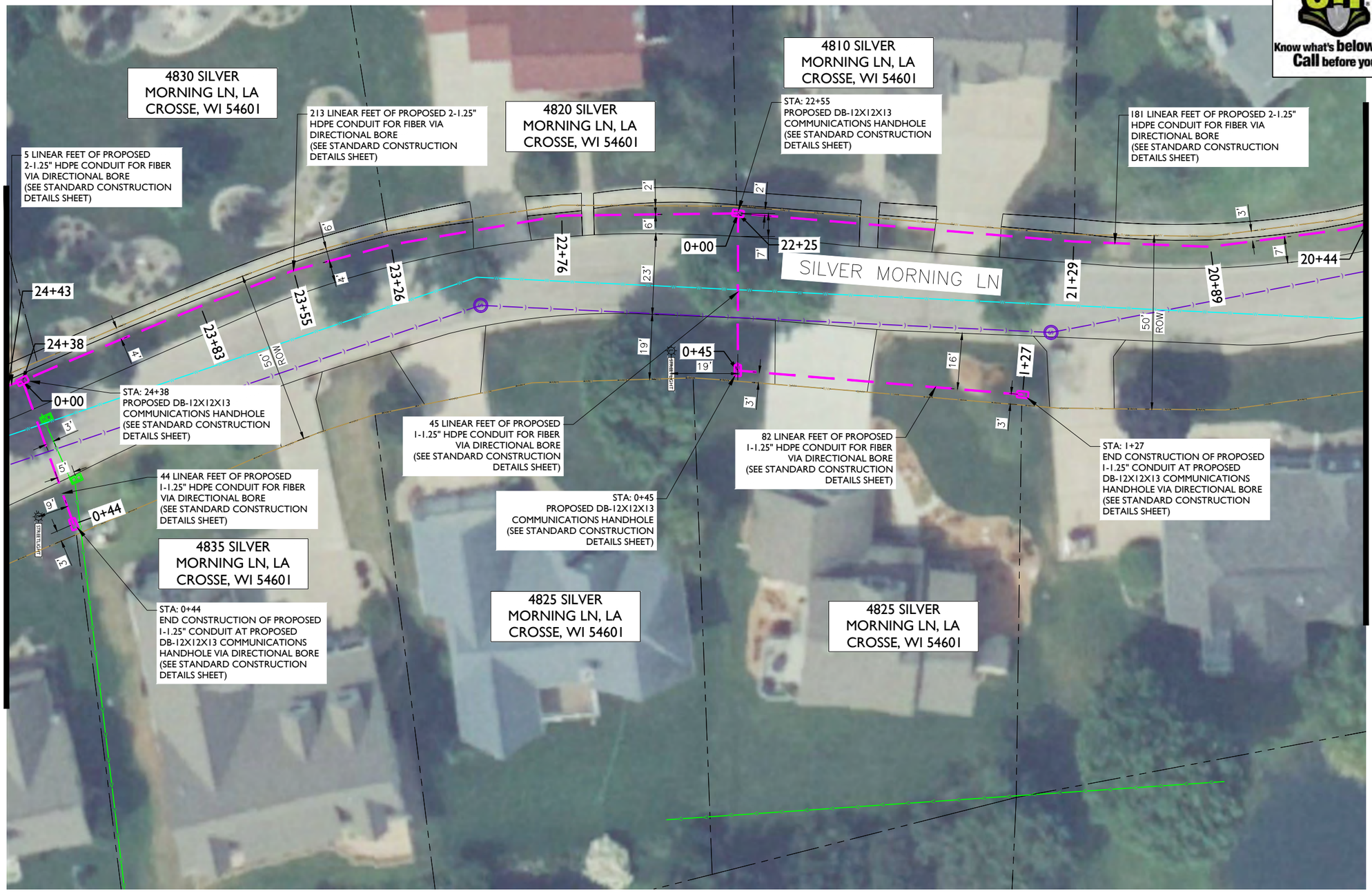
SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-072

PROJECT# 2023.0119.0000



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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

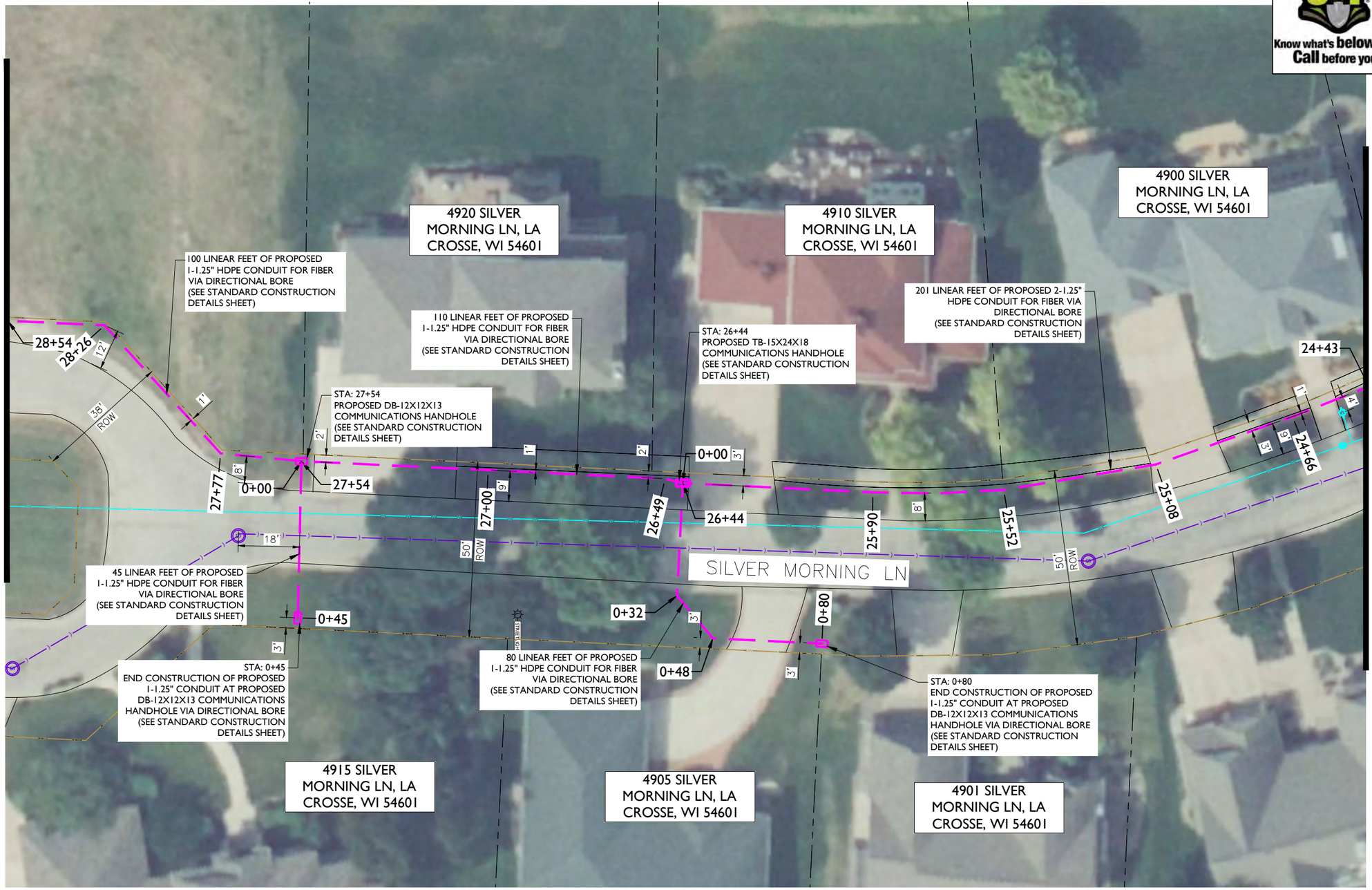
SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-073

PROJECT# 2023.0119.0000



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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:
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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

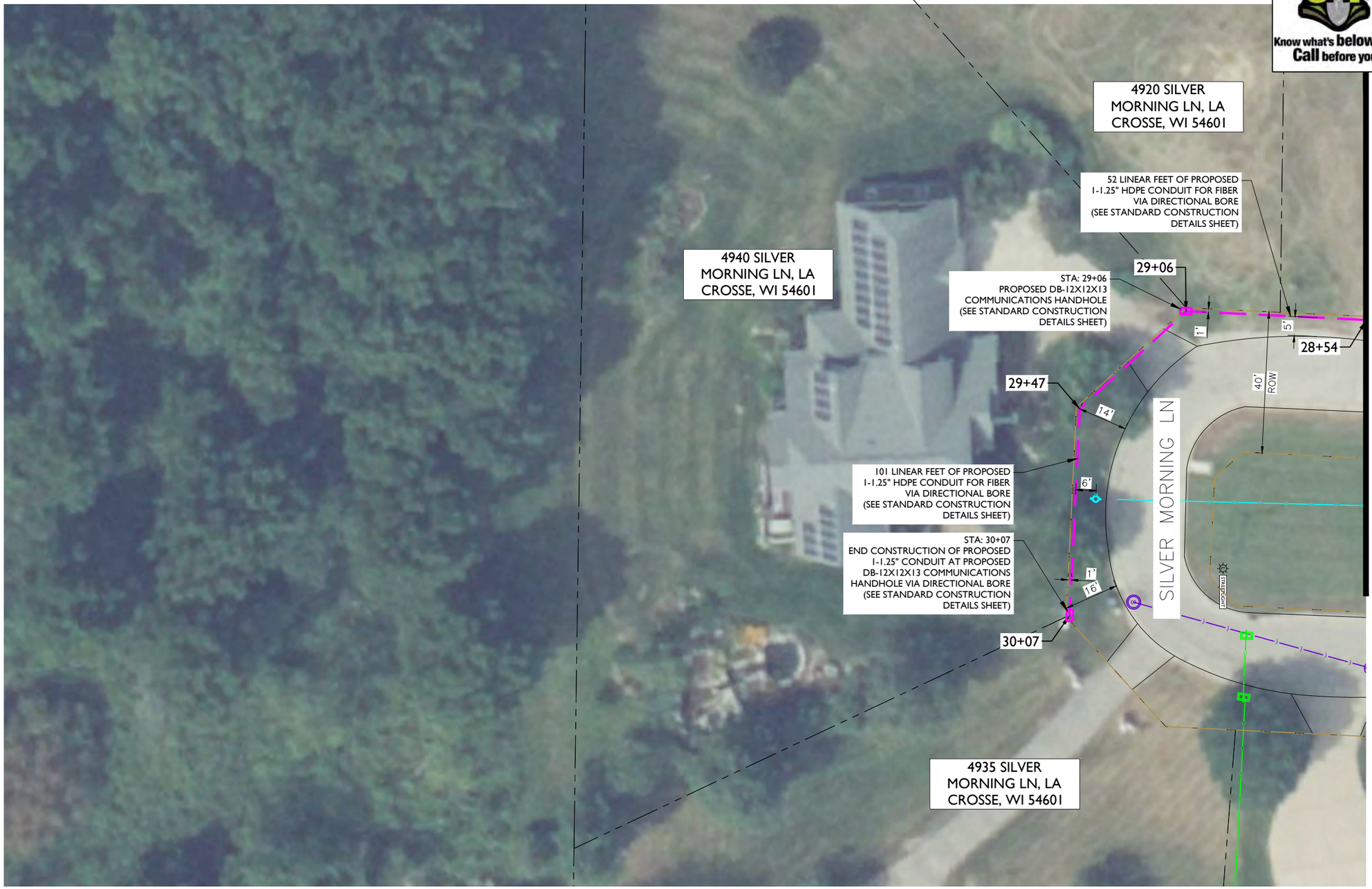
SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-074

PROJECT# 2023.0119.0000



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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

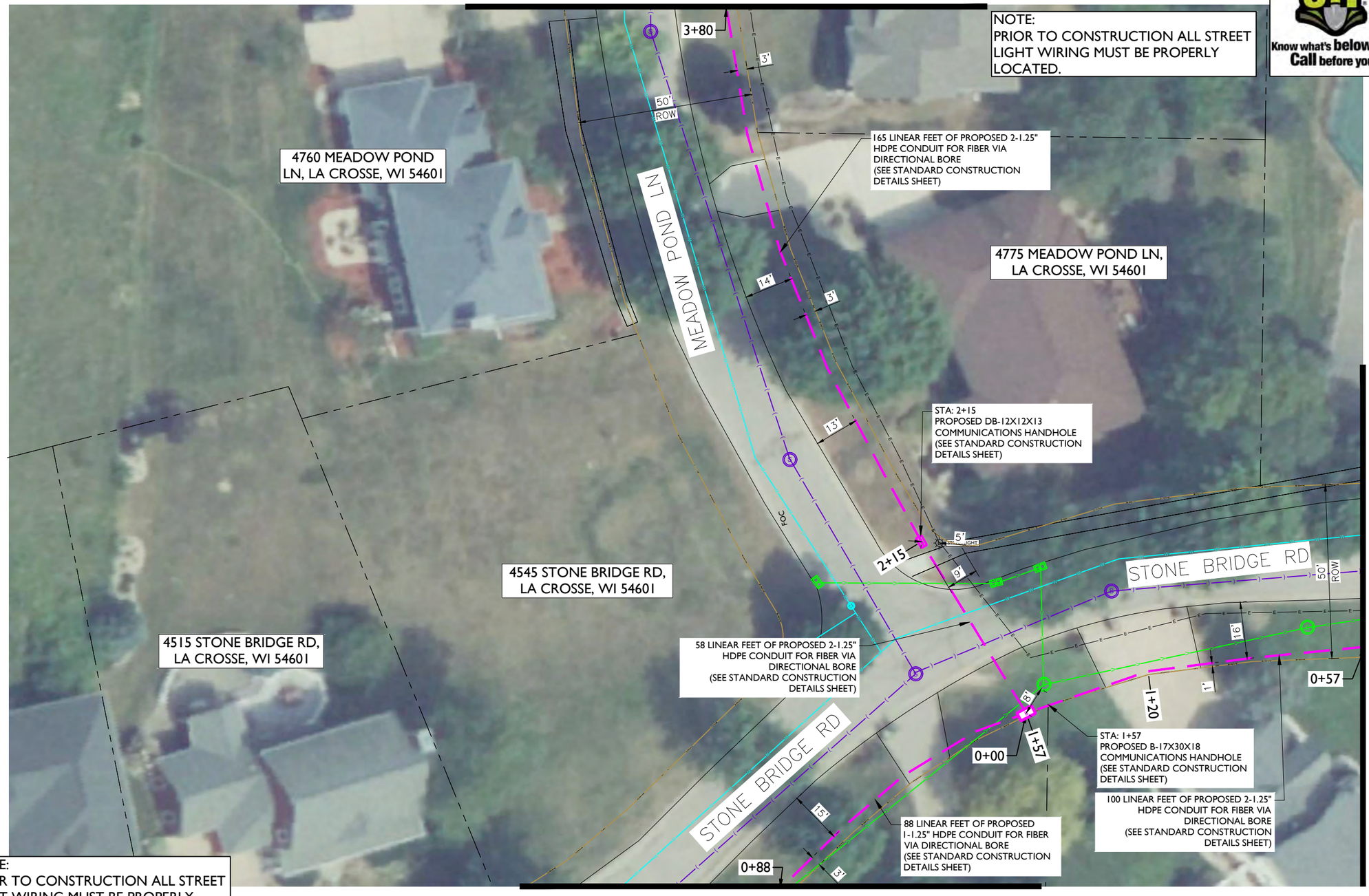
SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-075

PROJECT# 2023.0119.0000

MATCHLINE – SHEET C–078



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

811 Know what's below. Call before you dig.

MATCHLINE – SHEET C–070

MATCHLINE – SHEET C–077

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 MANHOLES, VALVES, AND FIRE HYDRANTS & 7.5' CLEARANCE FROM STORM AND SANITARY INLETS, MANHOLES AND CATCH BASINS.

NOTE:
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metronet
3701 COMMUNICATIONS WAY
EVANSVILLE, IN, 47715

Fullerton DESIGN DEVELOP CONSTRUCT
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TEL: 847-908-8400
COA# 3620-11
www.fullerton-us.com

REV	DATE	DESCRIPTION	BY
A	06/14/24	ISSUED FOR REVIEW	IK
B	07/03/24	REVISED	IK
C	11/06/24	REVISED	BP

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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

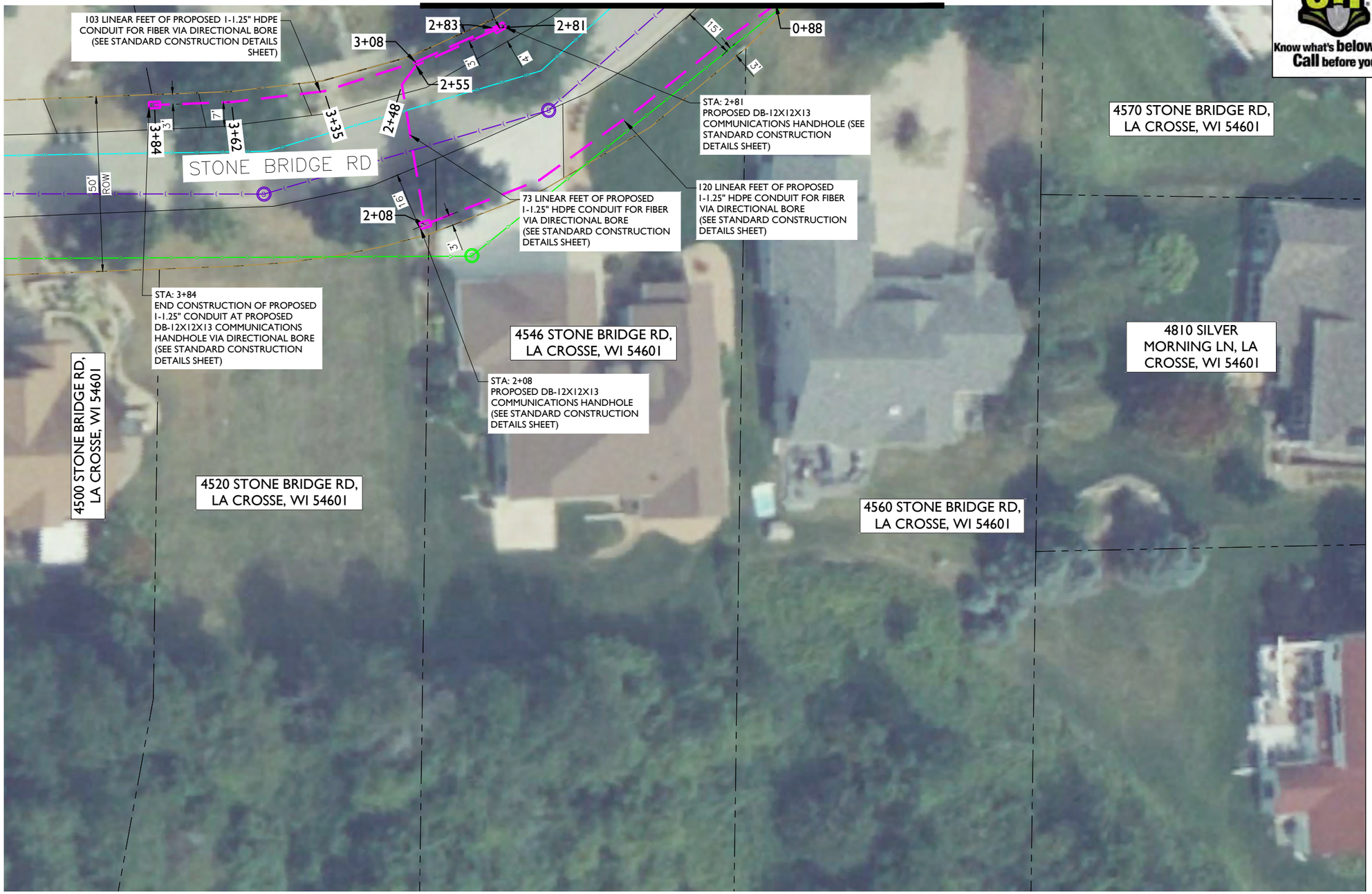
SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-076

PROJECT# 2023.0119.0000

MATCHLINE – SHEET C–076



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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

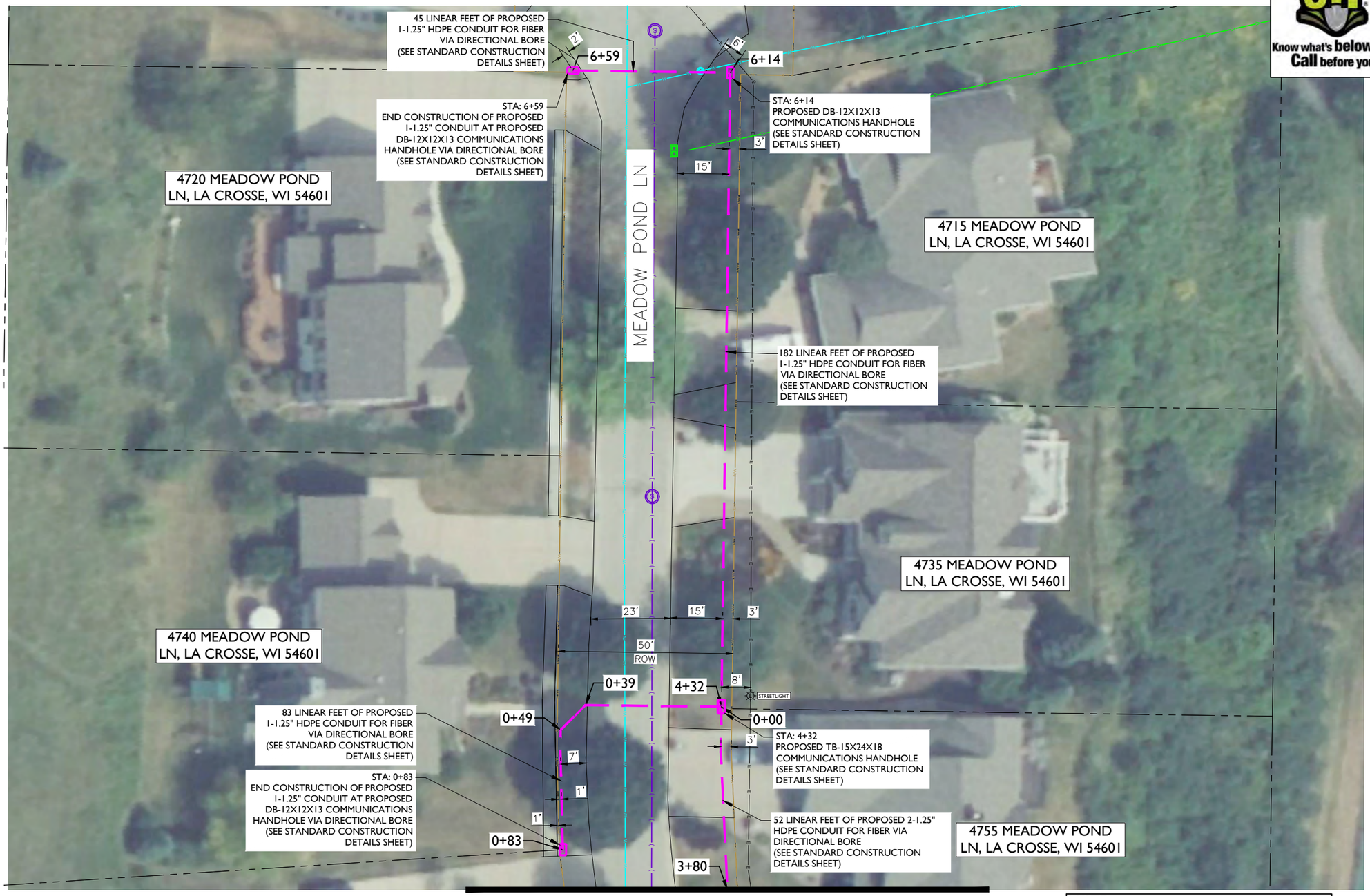
SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-077

PROJECT# 2023.0119.0000



MATCHLINE – SHEET C–076

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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-078

PROJECT# 2023.0119.0000

MATCHLINE – SHEET C–080

MATCHLINE – SHEET C–065

NOTE:
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WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

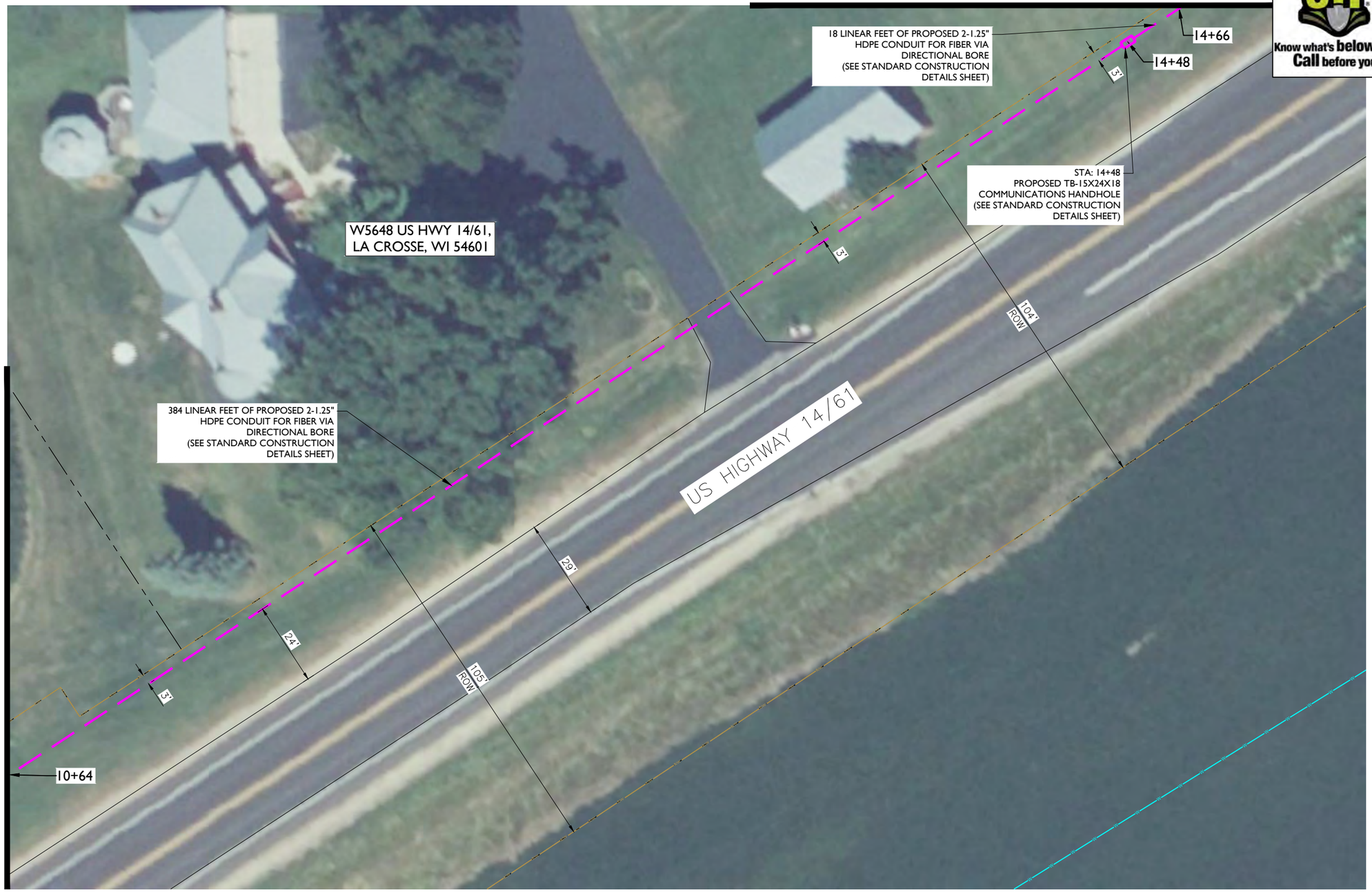
SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-079

PROJECT# 2023.0119.0000

MATCHLINE – SHEET C–081



MATCHLINE – SHEET C–079

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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-080

PROJECT# 2023.0119.0000

NOTE:
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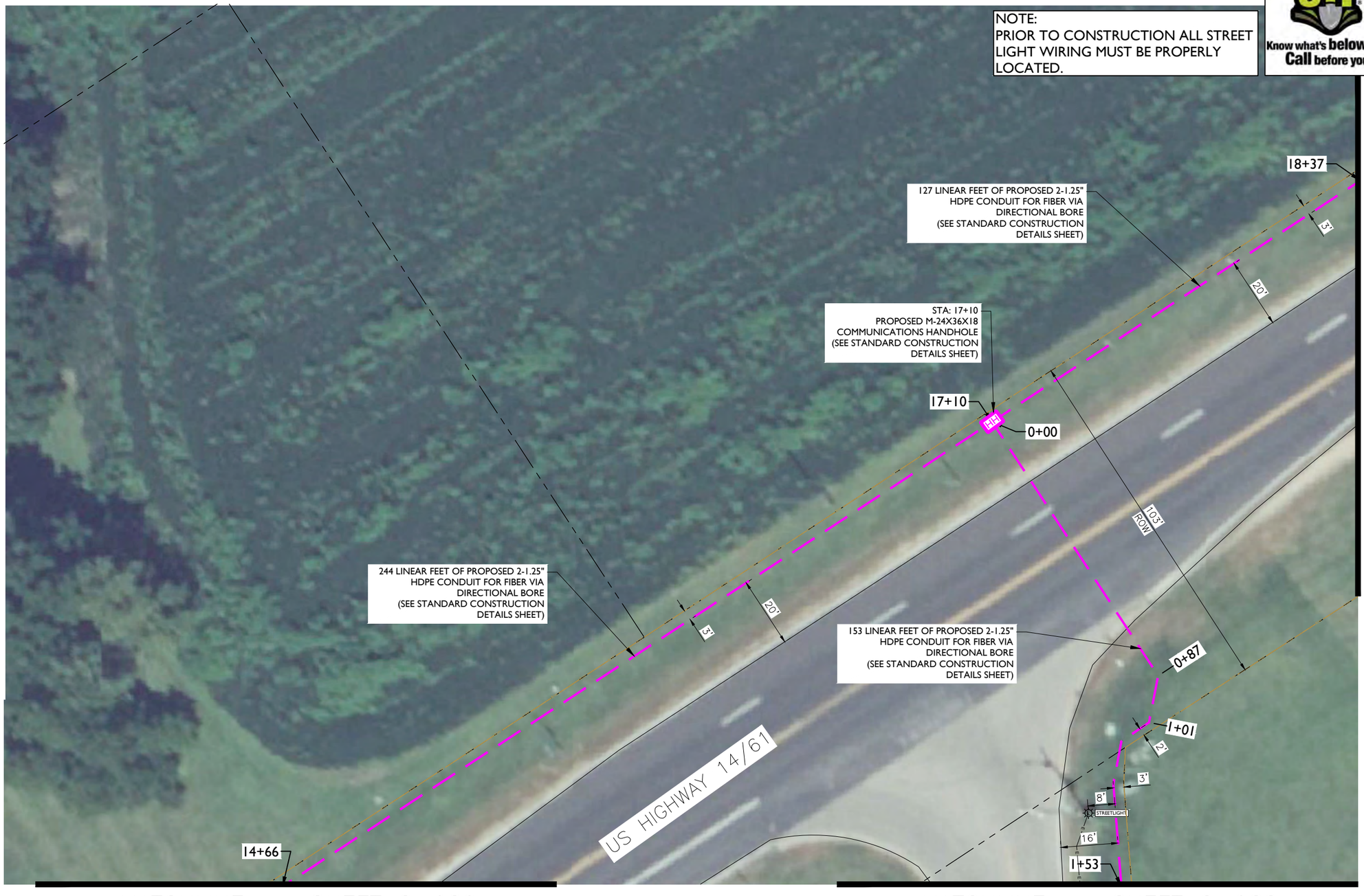

MATCHLINE – SHEET C–089

MATCHLINE – SHEET C–080

MATCHLINE – SHEET C–082

NOTE:
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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-081

PROJECT# 2023.0119.0000

MATCHLINE – SHEET C–081

NOTE:
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811 Know what's below. Call before you dig.

MATCHLINE – SHEET C–083

NOTE:
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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

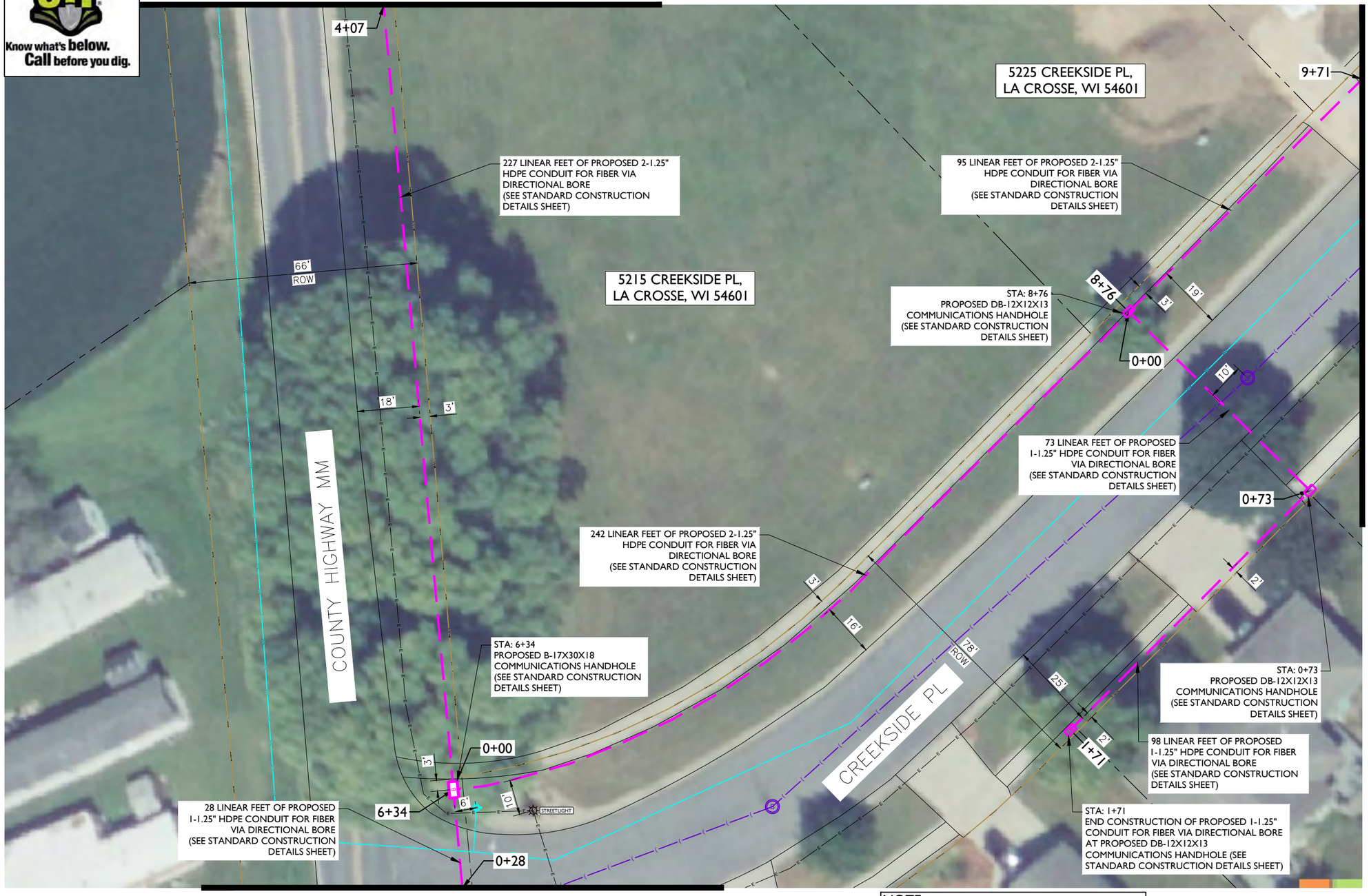
GRID NUMBER

SHEET NUMBER
C-082

PROJECT# 2023.0119.0000

Know what's below. Call before you dig.

MATCHLINE – SHEET C–082



MATCHLINE – SHEET C–084

MATCHLINE – SHEET C–085

NOTE:
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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-083

PROJECT# 2023.0119.0000

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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

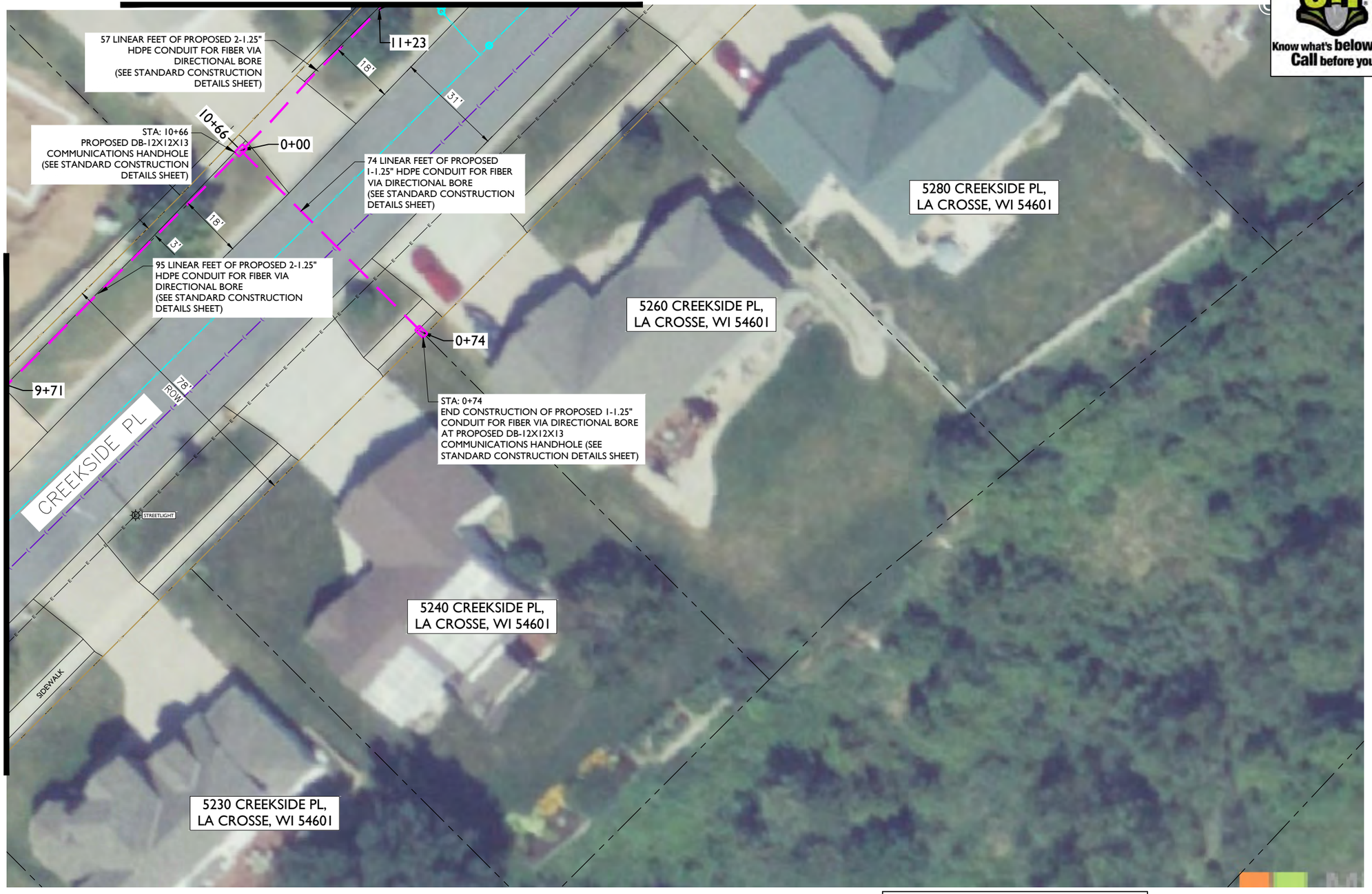
GRID NUMBER

SHEET NUMBER
C-084

PROJECT# 2023.0119.0000

MATCHLINE – SHEET C–086

MATCHLINE – SHEET C–083



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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

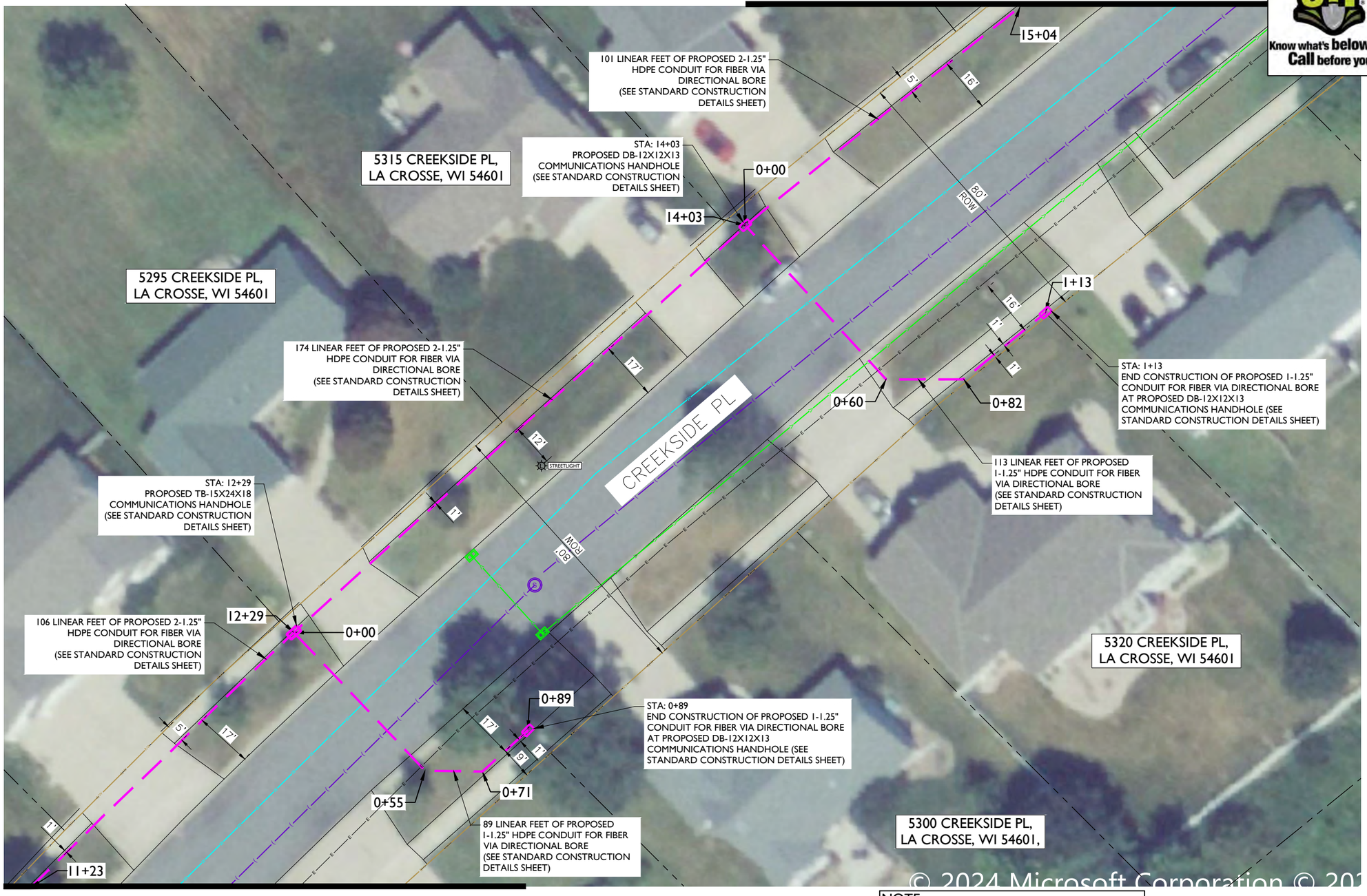
SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-085

PROJECT# 2023.0119.0000

MATCHLINE – SHEET C–087



MATCHLINE – SHEET C–085

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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-086

PROJECT# 2023.0119.0000

NOTE:
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811 Know what's below. Call before you dig.

STA: 18+14
PROPOSED DB-12X12X13
COMMUNICATIONS HANDHOLE
(SEE STANDARD CONSTRUCTION DETAILS SHEET)

18+14

5415 CREEKSIDE PL,
LA CROSSE, WI 54601

5375 CREEKSIDE PL,
LA CROSSE, WI 54601

5435 HICKORY NUT CT,
LA CROSSE, WI 54601

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

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

STA: 15+71
PROPOSED DB-12X12X13
COMMUNICATIONS HANDHOLE
(SEE STANDARD CONSTRUCTION DETAILS SHEET)

15+71

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

STA: 20+24
PROPOSED TB-15X24X18
COMMUNICATIONS HANDHOLE
(SEE STANDARD CONSTRUCTION DETAILS SHEET)

20+24

0+00

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

CREEKSIDE PL

80' ROW

HICKORY NUT CT

60' ROW

STREETLIGHT

STA: 1+11
END CONSTRUCTION OF PROPOSED 1-1.25" CONDUIT FOR FIBER VIA DIRECTIONAL BORE AT PROPOSED DB-12X12X13 COMMUNICATIONS HANDHOLE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

1+11

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

15+04

0+57

0+46

20+83

MATCHLINE – SHEET C-086

MATCHLINE – SHEET C-088

NOTE:
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C	11/06/24	REVISED	BP

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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

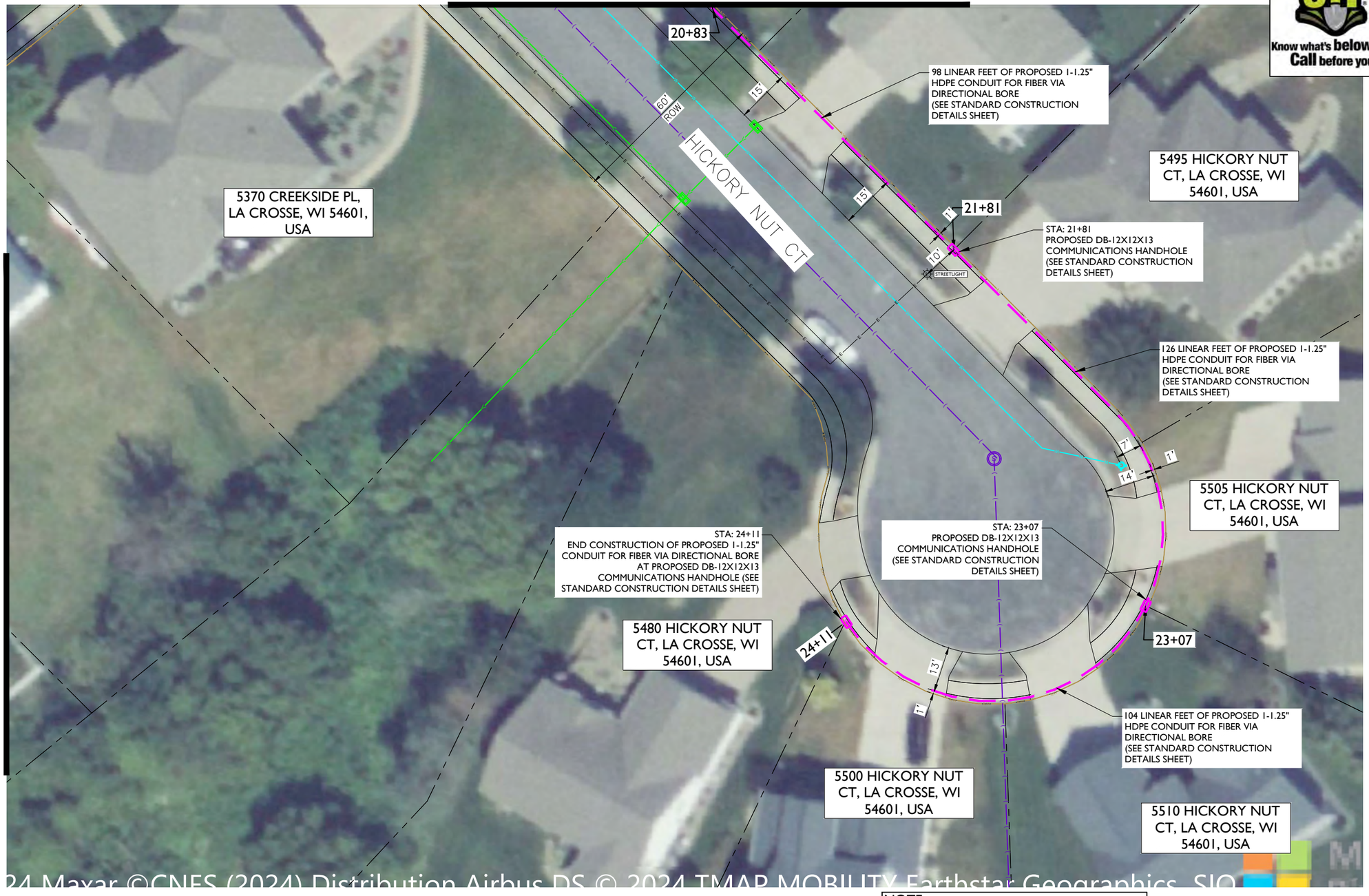
GRID NUMBER

SHEET NUMBER
C-087

PROJECT# 2023.0119.0000

MATCHLINE – SHEET C–087

MATCHLINE – SHEET C–086



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TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-088

PROJECT# 2023.0119.0000

MATCHLINE — SHEET C-090

MATCHLINE — SHEET C-081

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TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-089

PROJECT# 2023.0119.0000

MATCHLINE – SHEET C–091

MATCHLINE – SHEET C–089

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TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-090

PROJECT# 2023.0119.0000

MATCHLINE – SHEET C–092

MATCHLINE – SHEET C–090

NOTE:
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FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

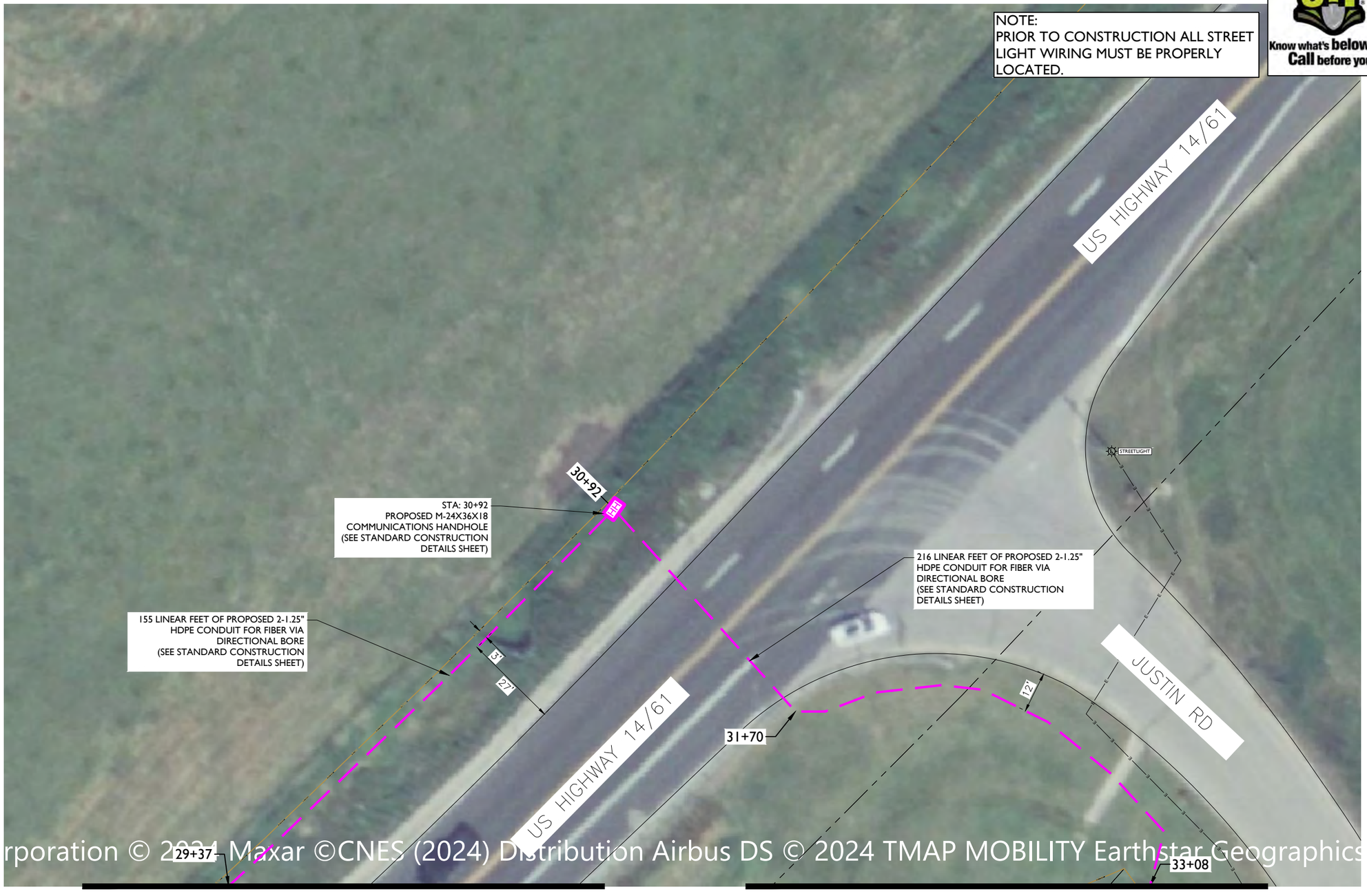
SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-091

PROJECT# 2023.0119.0000



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MATCHLINE – SHEET C–091

MATCHLINE – SHEET C–093

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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

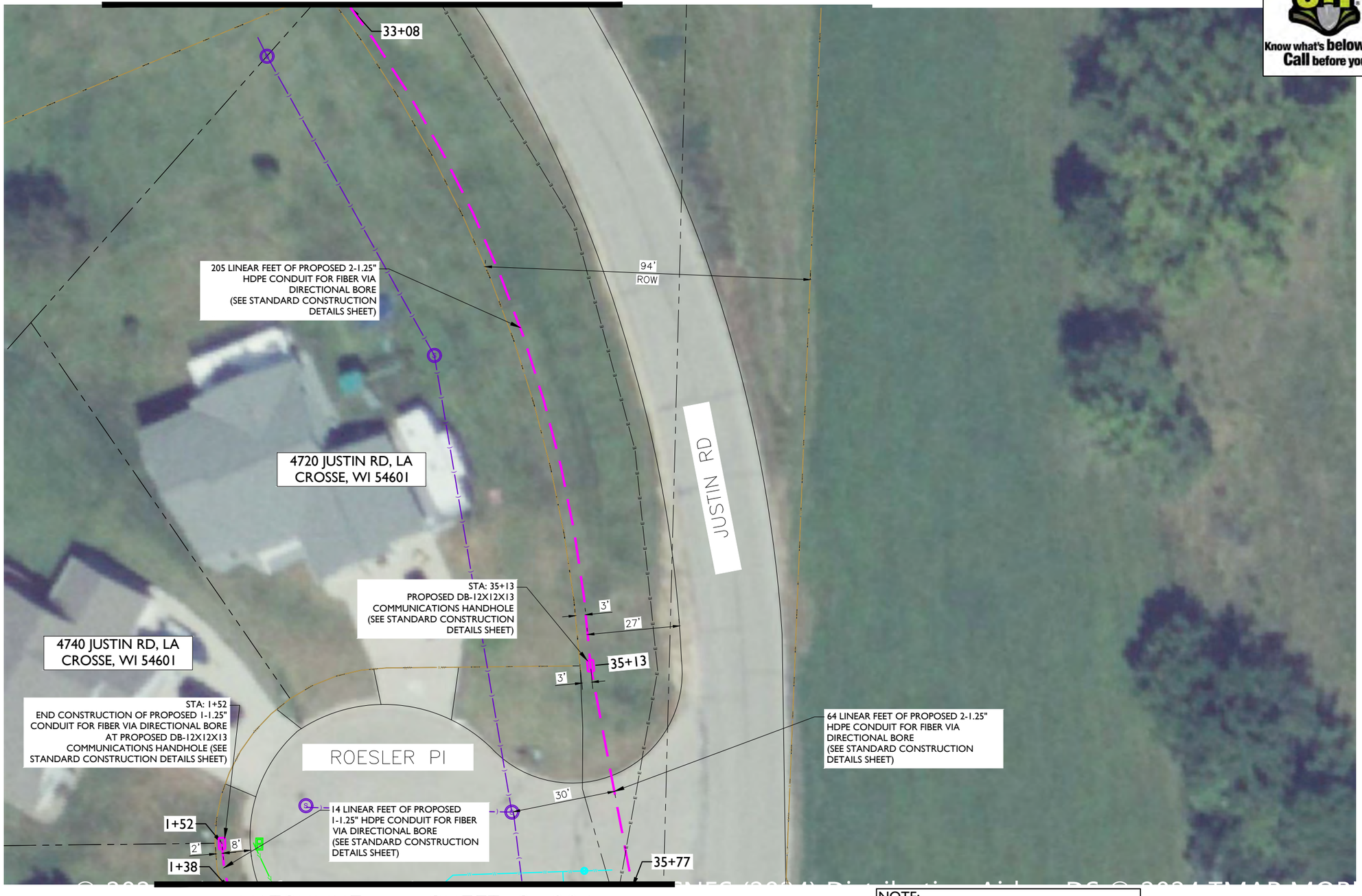
SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-092

PROJECT# 2023.0119.0000

MATCHLINE – SHEET C–092



MATCHLINE – SHEET C–094

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TASK NAME: WILC002

TASK DESCRIPTION: FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA: LACROSSE, WI

SHEET SCALE: 1" = 30'-0"

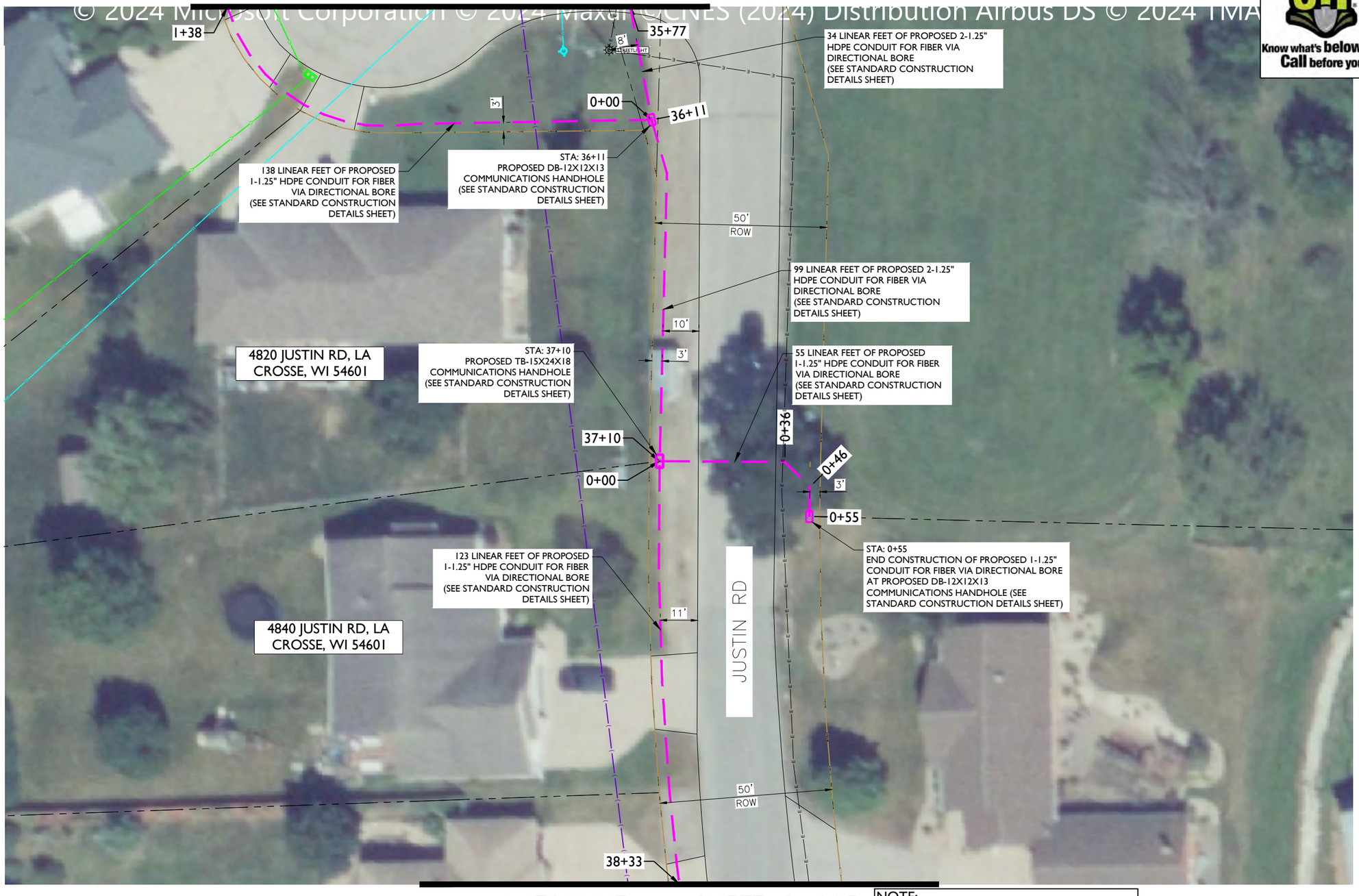
SHEET TITLE: DESIGN LAYOUT

GRID NUMBER:

SHEET NUMBER: C-093

PROJECT# 2023.0119.0000

MATCHLINE – SHEET C–093



MATCHLINE – SHEET C–095

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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

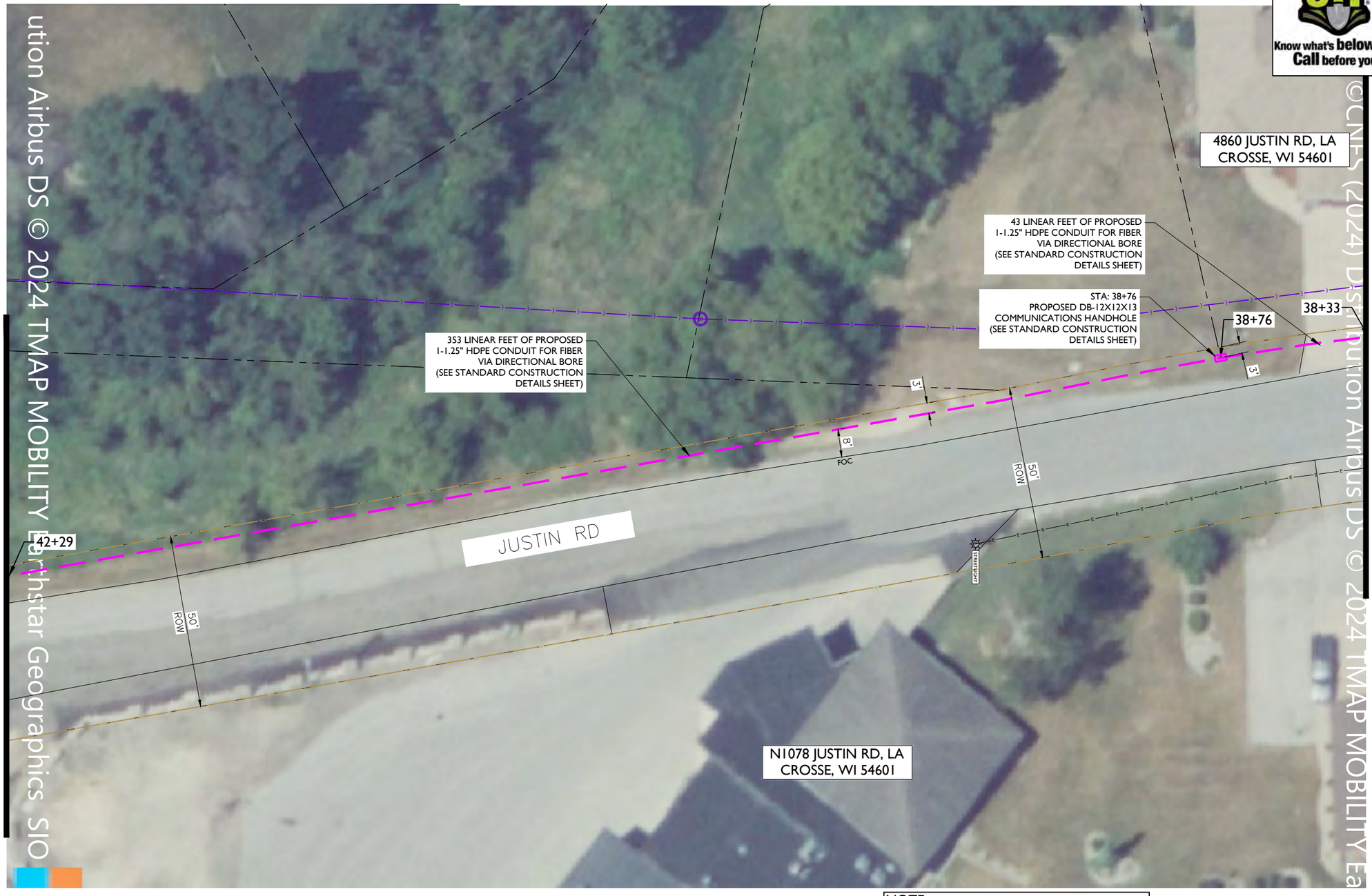
SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-094

PROJECT# 2023.0119.0000



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TASK NAME
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TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

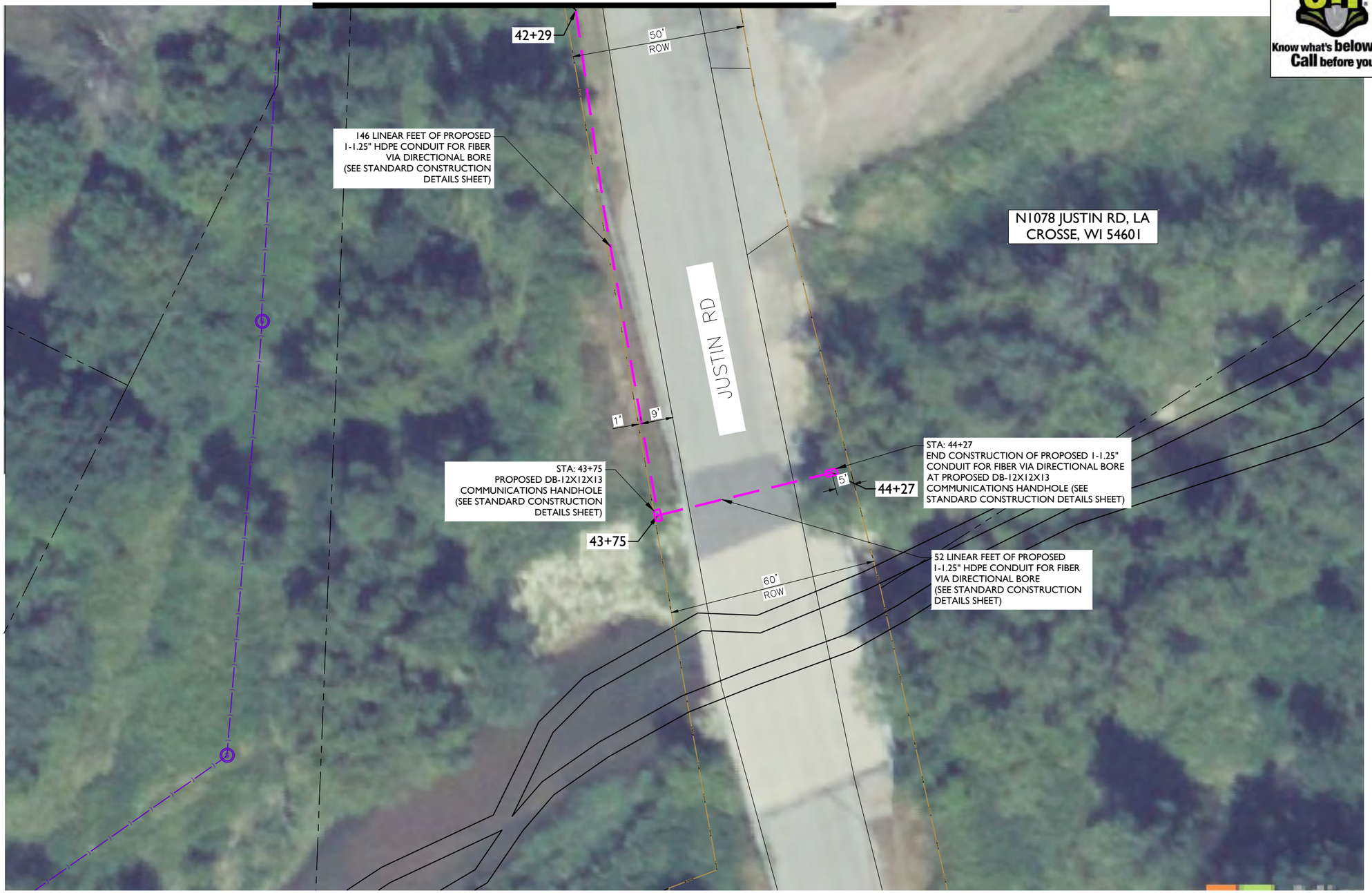
SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-095

PROJECT# 2023.0119.0000

MATCHLINE – SHEET C–095



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TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

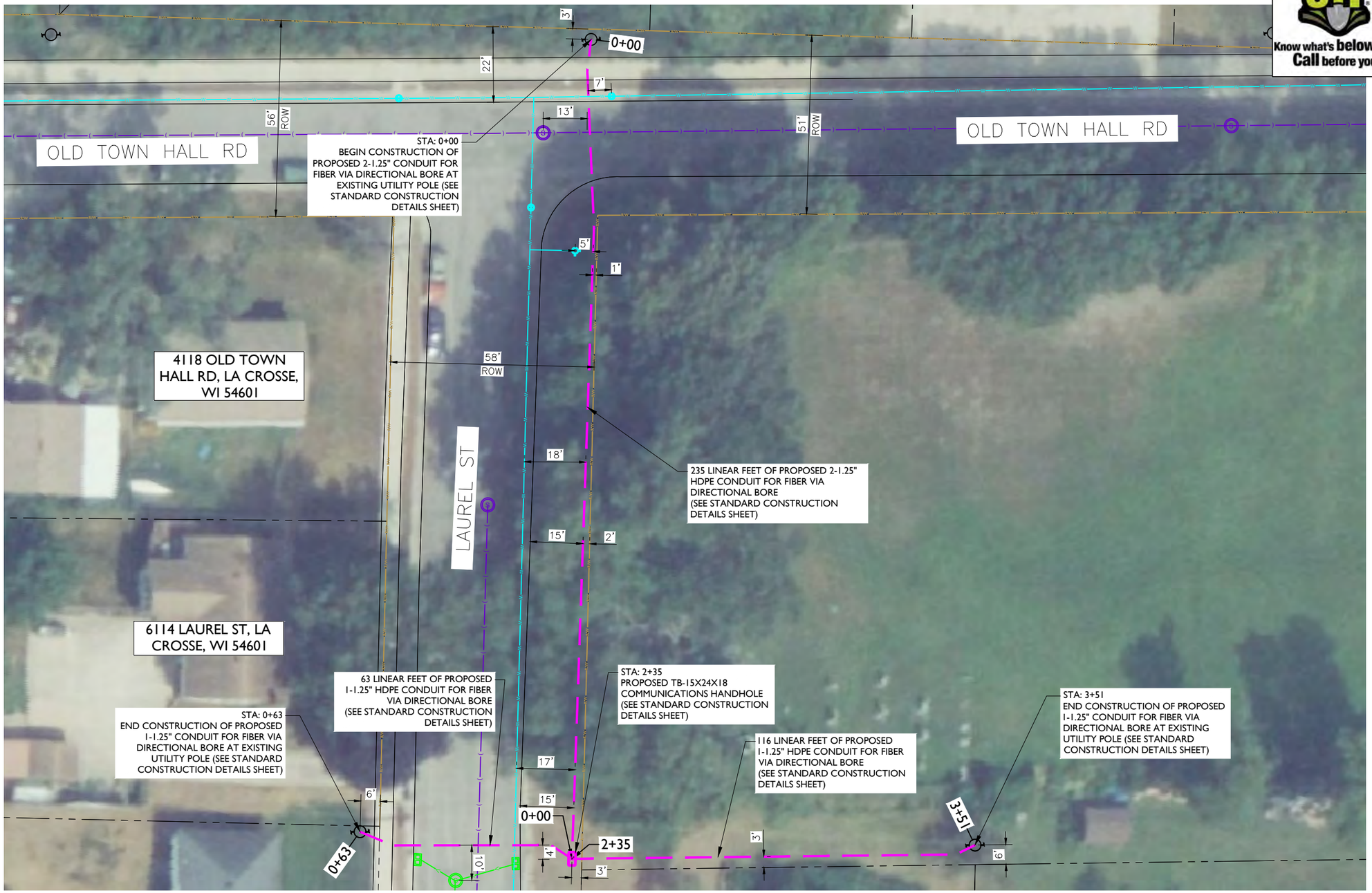
SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-096

PROJECT# 2023.0119.0000



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TASK NAME
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TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

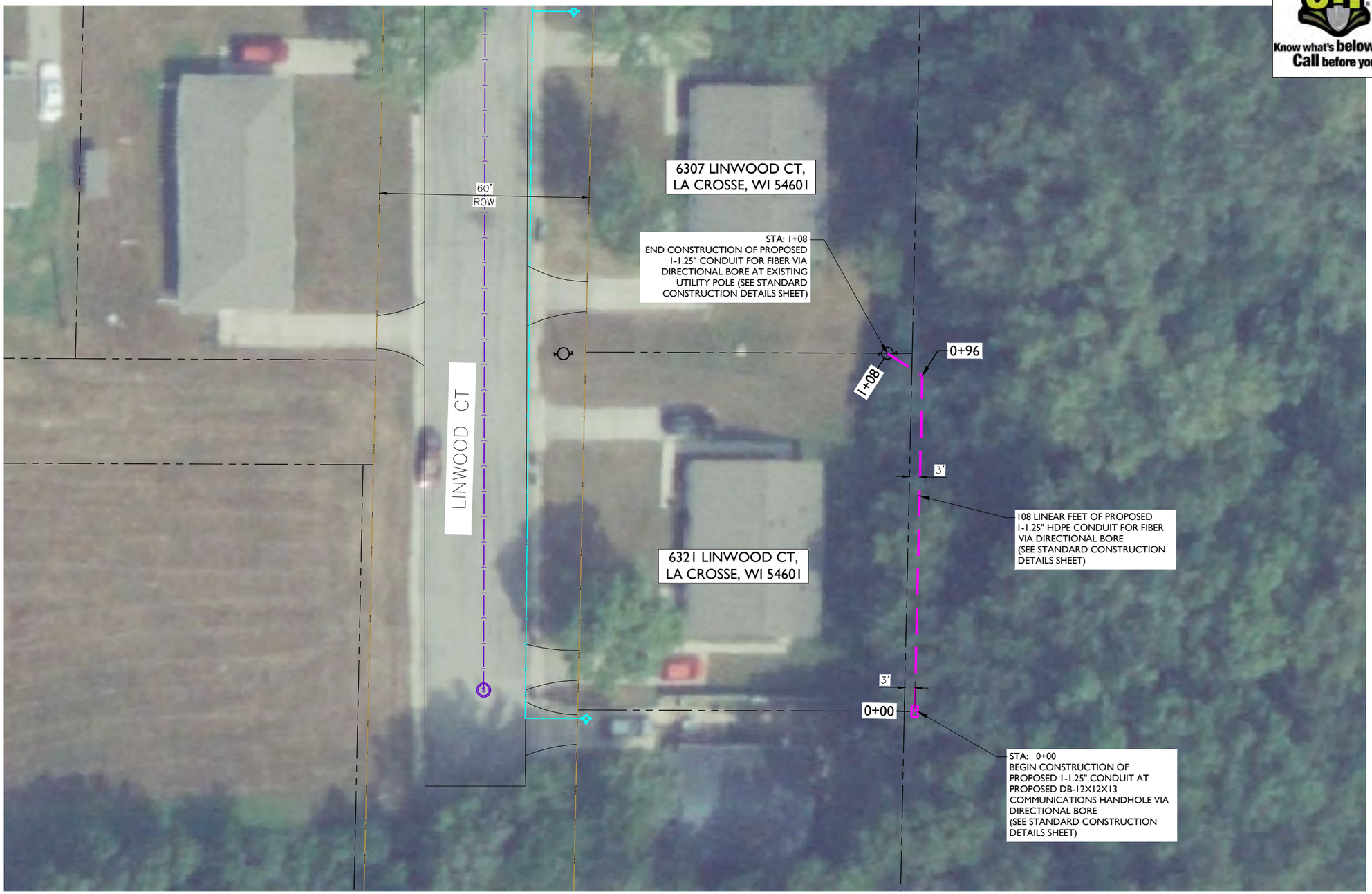
SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-097

PROJECT# 2023.0119.0000



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TASK NAME
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TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-098

PROJECT# 2023.0119.0000

ADDITIONAL NOTES:

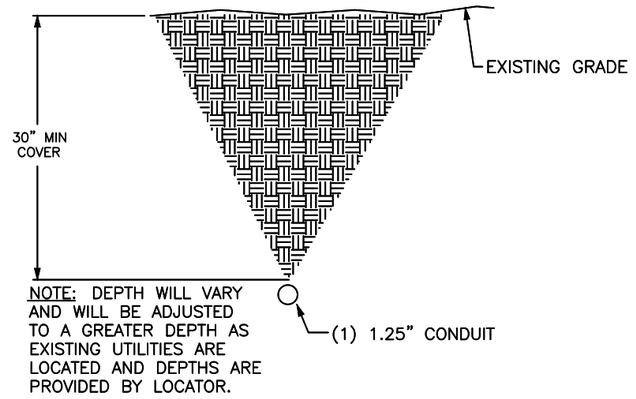
1. EXCEPT AS OTHERWISE NOTED, CONTRACTOR SHALL MAINTAIN A MINIMUM OF 24 INCHES OF SEPARATION FROM EXISTING UTILITIES.
2. CONTRACTOR SHALL POTHOLE EACH UTILITY TO DETERMINE SIZE, LOCATION, AND DEPTH PRIOR TO CROSSING.
3. CONTRACTOR IS CAUTIONED TO PROTECT SEWER MANHOLES, CATCH BASINS, LATERALS AND INLETS.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

PUBLIC UTILITY NOTE:

CONTRACTOR SHALL NOTIFY ALL PUBLIC UTILITY COMPANIES (GAS, ELECTRIC, TELEPHONE, SEWER, WATER, ETC) PRIOR TO COMMENCING ANY CONSTRUCTION.
THESE COMPANIES WILL LOCATE, ON THE GROUND, THE LOCATION OF ALL CONDUITS, DUCTS, UNDERGROUND PIPING, ETC., ADJOINING & CROSSING PROPOSED CONSTRUCTION.

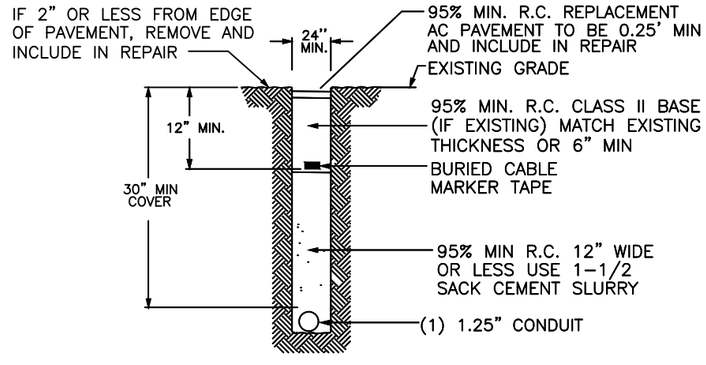
TYPICAL DETAIL

DIRECTIONAL BORE CROSS SECTION
(1) 1.25" CONDUIT AT 30"MIN



TYPICAL DETAIL

TRENCH AND PLACE CONDUIT
(1) 1.25" CONDUIT AT 30" MIN



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REV	DATE	DESCRIPTION	BY
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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
N.T.S.

SHEET TITLE
DETAILS

GRID NUMBER

SHEET NUMBER
D-1

PROJECT# 2023.0119.0000

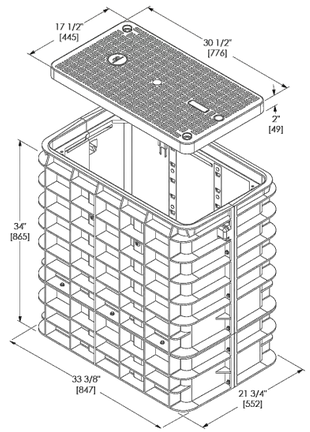
BULK 3 Series — TECHNICAL SPECIFICATIONS

BODY SPECIFICATIONS

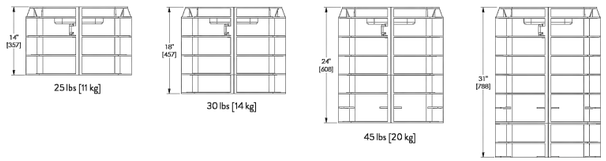
Cover Weight	26 lbs	[12 kg]
Pit Weight	63 lbs	[29 kg]
Assembled Weight	89 lbs	[41 kg]

Drawing shown with SHIELD X **Composite Cover**

BULK **BULK 3 Vault Body** 34" [865 mm] Depth Shown



ADDITIONAL BODY DEPTHS



SHIELD X BULK MADE IN USA — CHANNELL

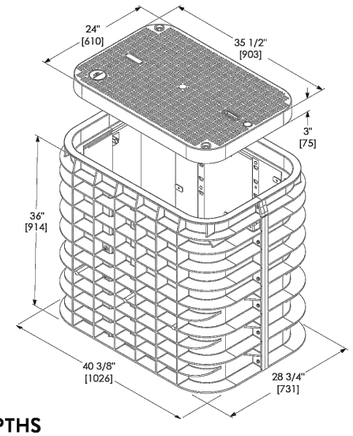
BULK 4 Series — TECHNICAL SPECIFICATIONS

BODY SPECIFICATIONS

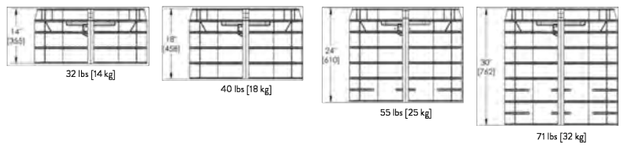
Cover Weight	50 lbs	[23 kg]
Pit Weight	82 lbs	[37 kg]
Assembled Weight	132 lbs	[60 kg]

Drawing shown with SHIELD X **Composite Cover**

BULK **BULK 4 Vault Body** 36" [914 mm] Depth Shown



ADDITIONAL BODY DEPTHS



SHIELD X BULK MADE IN USA — CHANNELL

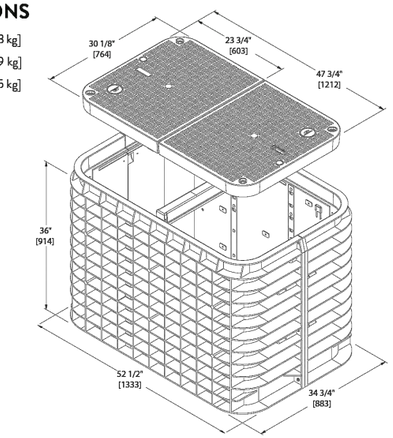
BULK 7 Series — TECHNICAL SPECIFICATIONS

BODY SPECIFICATIONS

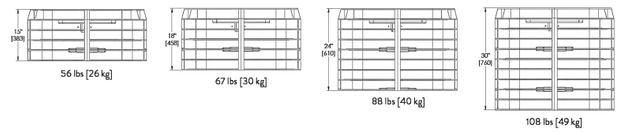
Cover Weight (Split 1/2 Cover)	50 lbs	[23 kg]
Pit Weight	129 lbs	[59 kg]
Assembled Weight	229 lbs	[105 kg]

Drawing shown with SHIELD X **Composite Cover**

BULK **BULK 7 Vault Body** 36" [914 mm] Depth Shown



ADDITIONAL BODY DEPTHS



SHIELD X BULK MADE IN USA — CHANNELL

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TASK NAME: WILC002

TASK DESCRIPTION: FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA: LACROSSE, WI

SHEET SCALE: N.T.S.

SHEET TITLE: DETAILS

GRID NUMBER:

SHEET NUMBER: D-2

PROJECT# 2023.0119.0000

CHANNELL

DATA SHEET

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)**

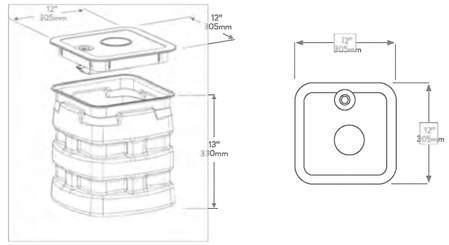
SIMPLE AND WORRY FREE PROTECTION

SELFLOCK™ closes and seals with audible "Click"

Captive bolt device opens with only 1/4 turn

Shown with Optional Marker Locate Device

DIMENSIONS



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CHANNELL

DATA SHEET

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"

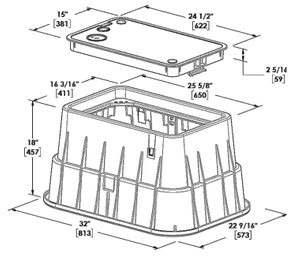
Captive bolt device opens with only 1/4 turn

Shown with Optional Marker Locate Device

Temporary drop port

Secondary locking feature utilizing optional bolts

DIMENSIONS



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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
N.T.S.

SHEET TITLE
DETAILS

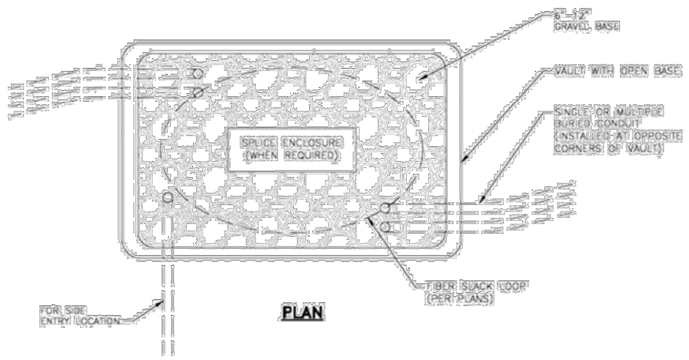
GRID NUMBER

SHEET NUMBER
D-3

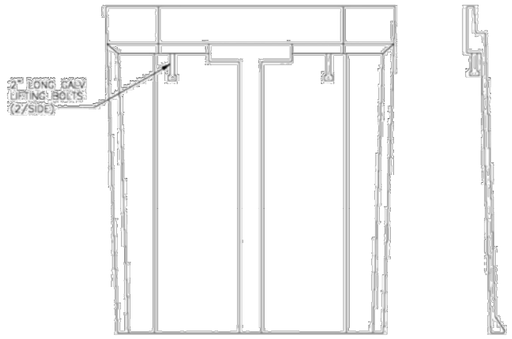
PROJECT# 2023.0119.0000

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.



PLAN



SIDE VIEW

ADA REQUIREMENTS:

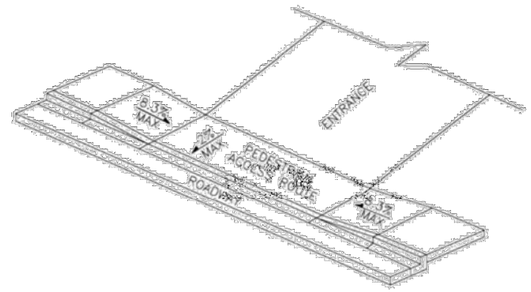
SURFACE LEVEL CRITERIA: NO HEIGHT DIFFERENTIALS WITH A LIP GREATER THAN ¼" IN HEIGHT. EXCEPTIONS: A HEIGHT DIFFERENTIAL BETWEEN ¼" AND ½" IS ACCEPTABLE IF IT IS BEVELED AT A 2:1 SLOPE, OR A HEIGHT DIFFERENTIAL GREATER THAN ½" IS ACCEPTABLE IF IT IS RAMPED WITH A SLOPE OF 8.33% (1V:12H) OR LESS.

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

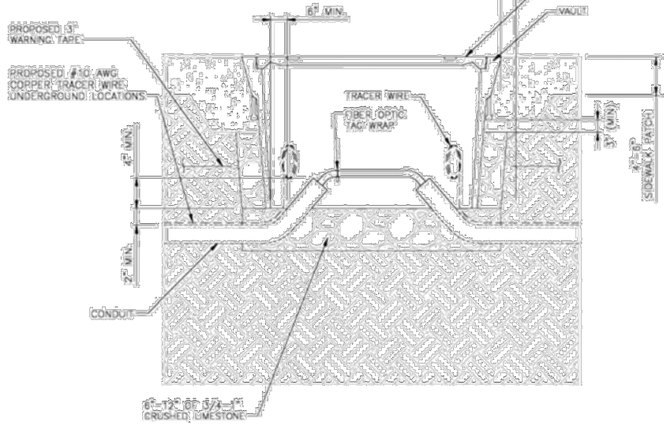
LIFT HOLES FOR UTILITY COVERS SHALL NOT HAVE AN OPENING GREATER THAN ½". PLUGGING OF HOLES GREATER THAN ½" WITH A MATERIAL APPROVED BY THE ENGINEER IS ACCEPTABLE AS LONG AS IT IS FLUSH WITH THE COVER SURFACE.

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.



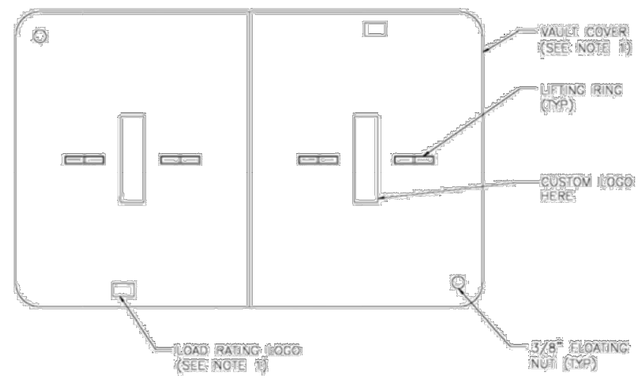
PEDESTRIAN ACCESS ROUTE



VAULT W/ BOTTOM ENTRY

NOTE:

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



VAULT LID

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WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
N.T.S.

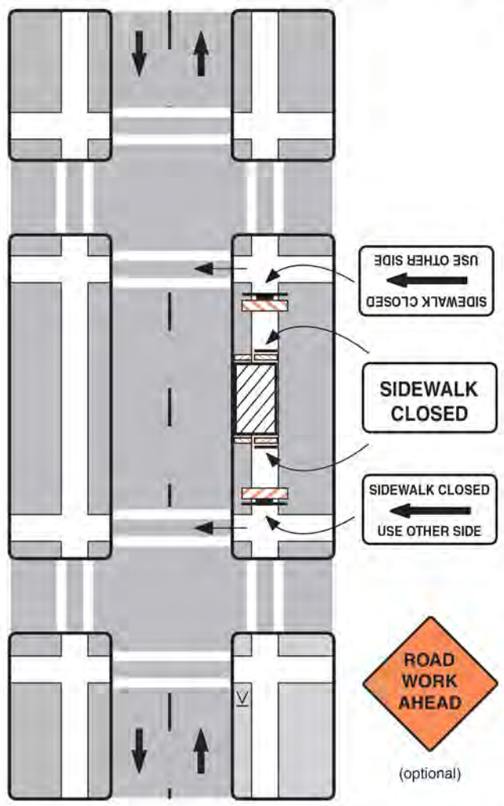
SHEET TITLE
DETAILS

GRID NUMBER

SHEET NUMBER
D-4

PROJECT# 2023.0119.0000

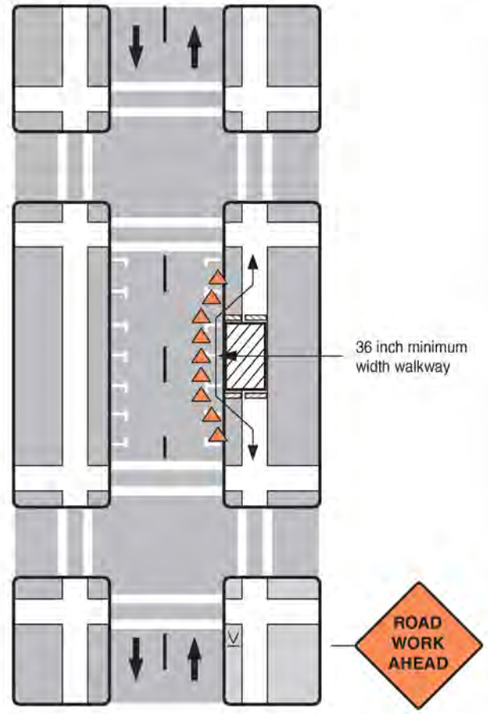
Sidewalk Closure
(Pedestrian Detour)



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.

Sidewalk Closure
(Pedestrian Walkway Provided)



Notes

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

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WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

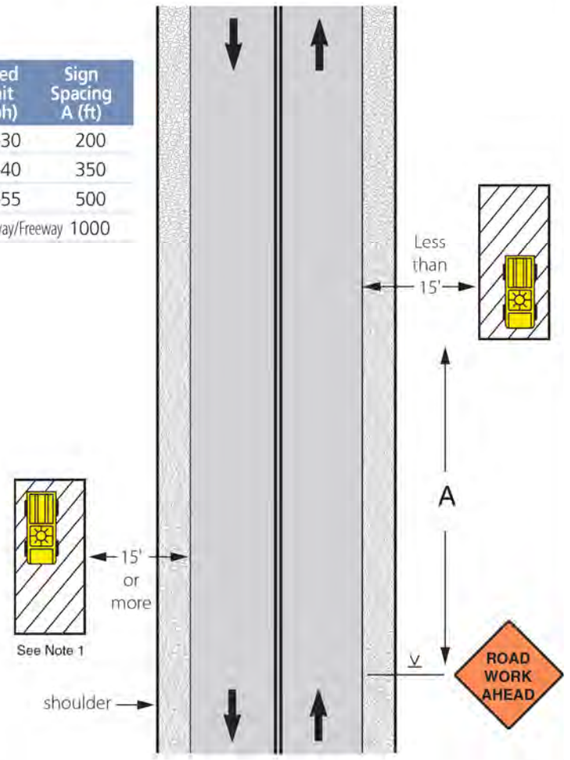
GRID NUMBER

SHEET NUMBER
TCP-1

PROJECT# 2023.0119.0000

Work Beyond the Shoulder

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

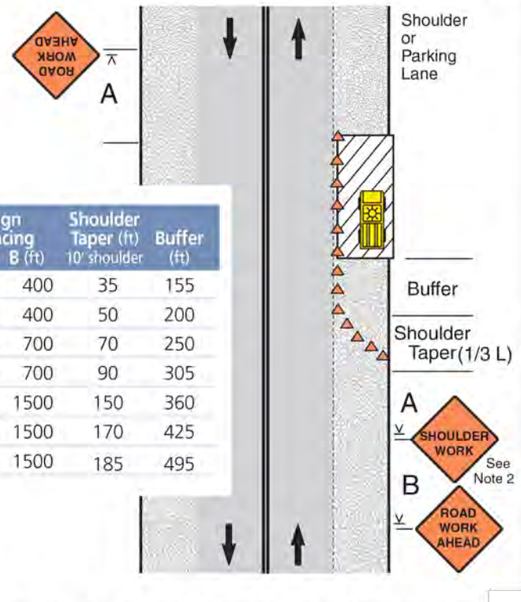


Notes

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, MOWING AHEAD or WORKERS.

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

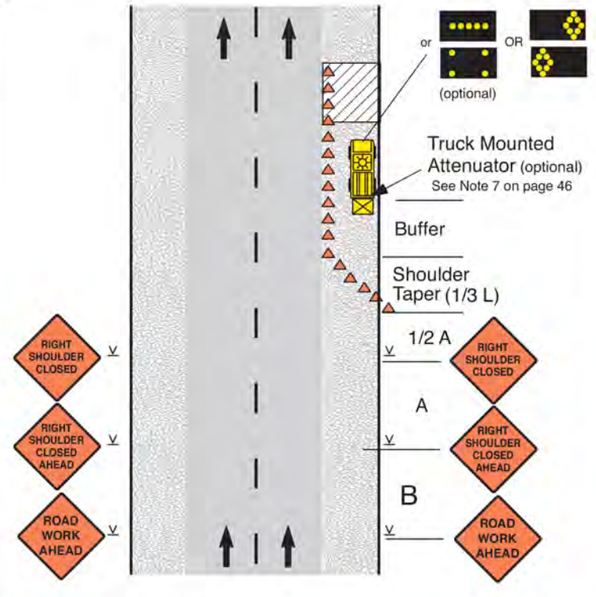
Speed Limit (mph)	Sign Spacing A	Sign Spacing B (ft)	Shoulder Taper (ft) 10' shoulder	Buffer (ft)
25	200	400	35	155
30	200	400	50	200
35	350	700	70	250
40	350	700	90	305
45	500	1500	150	360
50	500	1500	170	425
55	500	1500	185	495



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	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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TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
N.T.S.

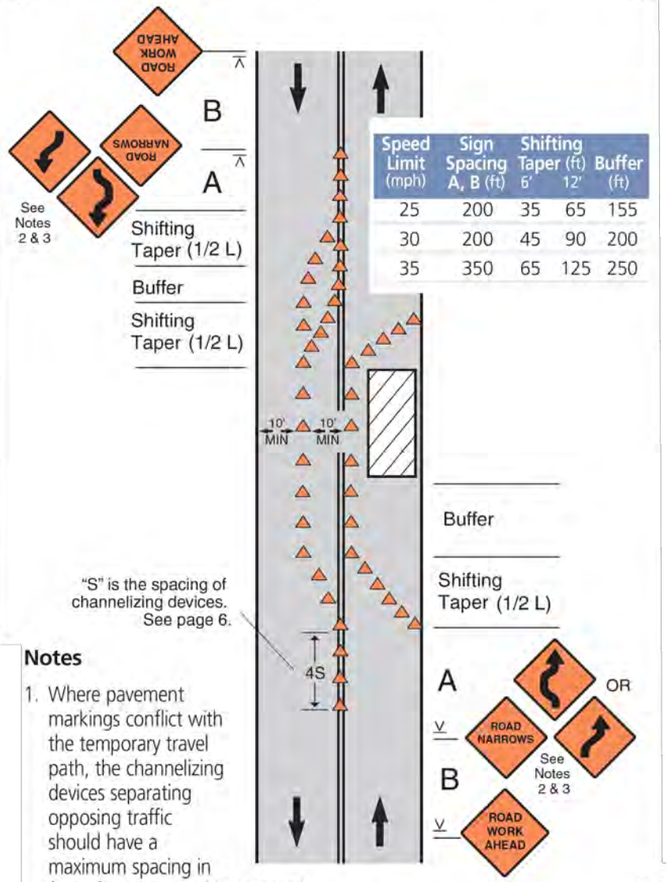
SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER
TCP-2

PROJECT# 2023.0119.0000

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

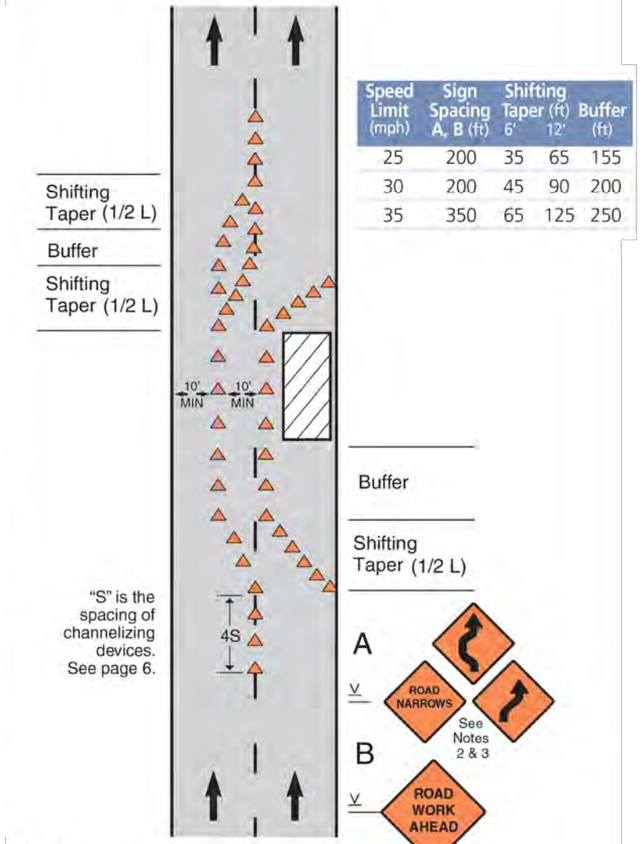


Speed Limit (mph)	Sign Spacing A, B (ft)	Shifting Taper (ft) 6'	12'	Buffer (ft)
25	200	35	65	155
30	200	45	90	200
35	350	65	125	250

Notes

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

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



Speed Limit (mph)	Sign Spacing A, B (ft)	Shifting Taper (ft) 6'	12'	Buffer (ft)
25	200	35	65	155
30	200	45	90	200
35	350	65	125	250

Notes

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

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Fullerton
DESIGN DEVELOP CONSTRUCT
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	06/14/24	ISSUED FOR REVIEW	IK
B	07/03/24	REVISED	IK
C	11/06/24	REVISED	BP

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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

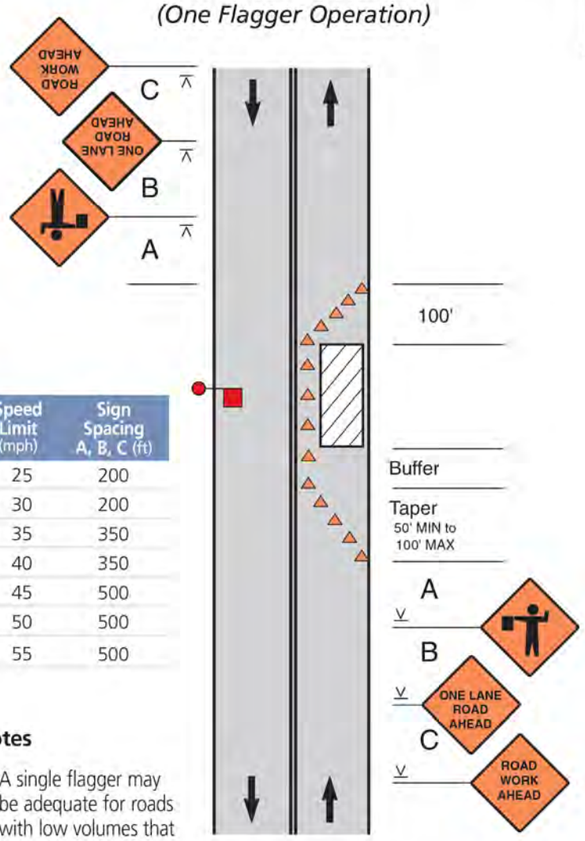
GRID NUMBER

SHEET NUMBER
TCP-3

PROJECT# 2023.0119.0000

Lane Closure on a Two-Lane Road with Low-Volume

(One Flagger Operation)



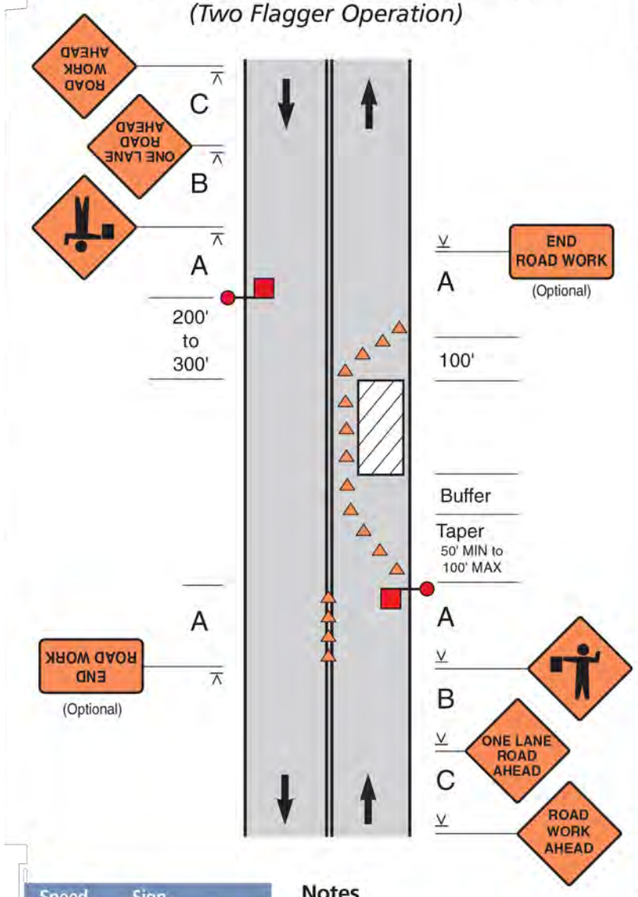
Speed Limit (mph)	Sign Spacing A, B, C (ft)
25	200
30	200
35	350
40	350
45	500
50	500
55	500

Notes

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

Lane Closure on a Two-Lane Road

(Two Flagger Operation)



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

Notes

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
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

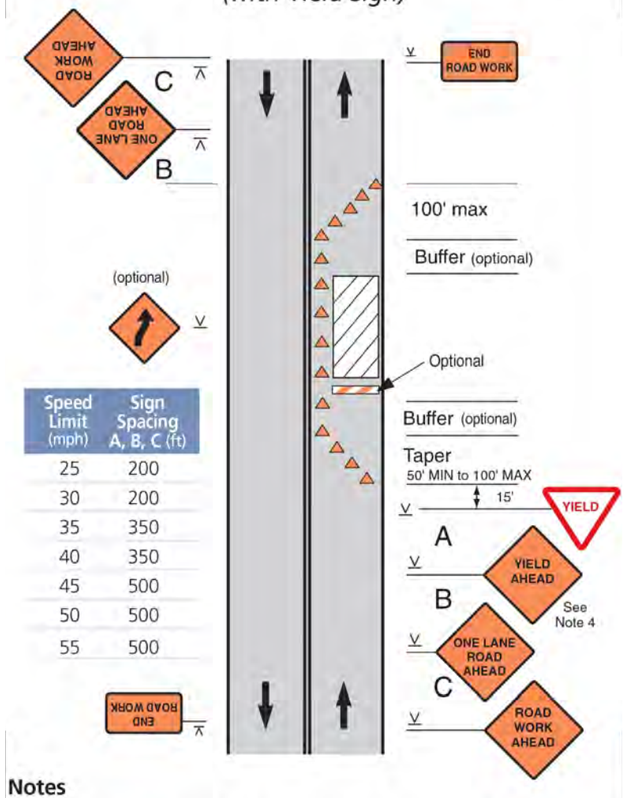
GRID NUMBER

SHEET NUMBER
TCP-4

PROJECT# 2023.0119.0000

Lane Closure on a Two-Lane Local Road with Low Volume

(with Yield Sign)



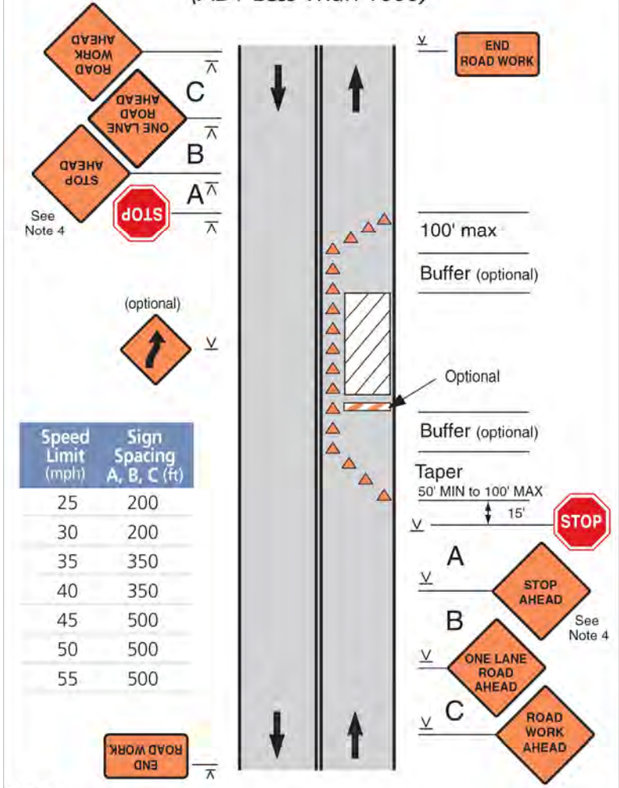
Speed Limit (mph)	Sign Spacing A, B, C (ft)
25	200
30	200
35	350
40	350
45	500
50	500
55	500

Notes

1. 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)



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. 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
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
N.T.S.

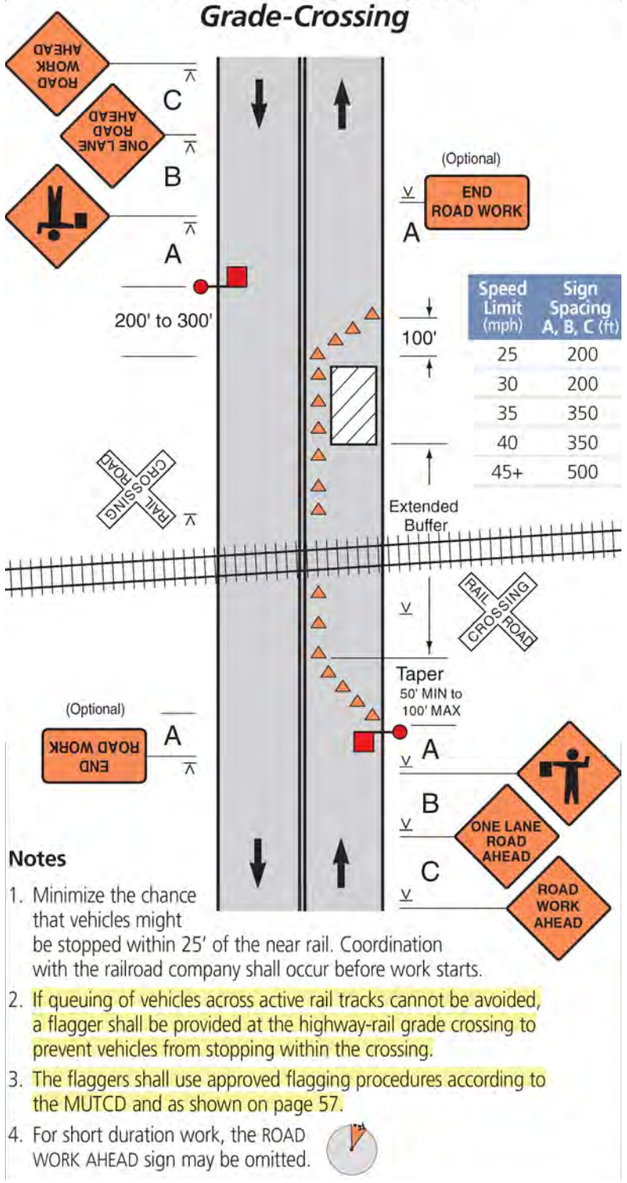
SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER
TCP-5

PROJECT# 2023.0119.0000

Work Near Highway-Rail Grade-Crossing



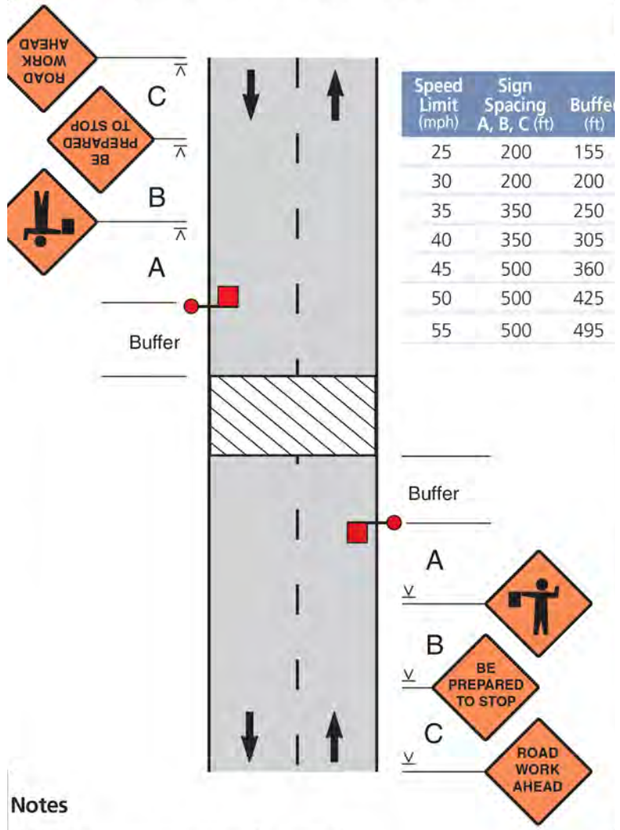
Speed Limit (mph)	Sign Spacing A, B, C (ft)
25	200
30	200
35	350
40	350
45+	500

Notes

1. Minimize the chance that vehicles might be stopped within 25′ of the near rail. Coordination with the railroad company shall occur before work starts.
2. If queuing of vehicles across active rail tracks cannot be avoided, a flagger shall be provided at the highway-rail grade crossing to prevent vehicles from stopping within the crossing.
3. The flaggers 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.

Temporary Road Closure

(Daytime Only – 20 Minutes Maximum)



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

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.

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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
N.T.S.

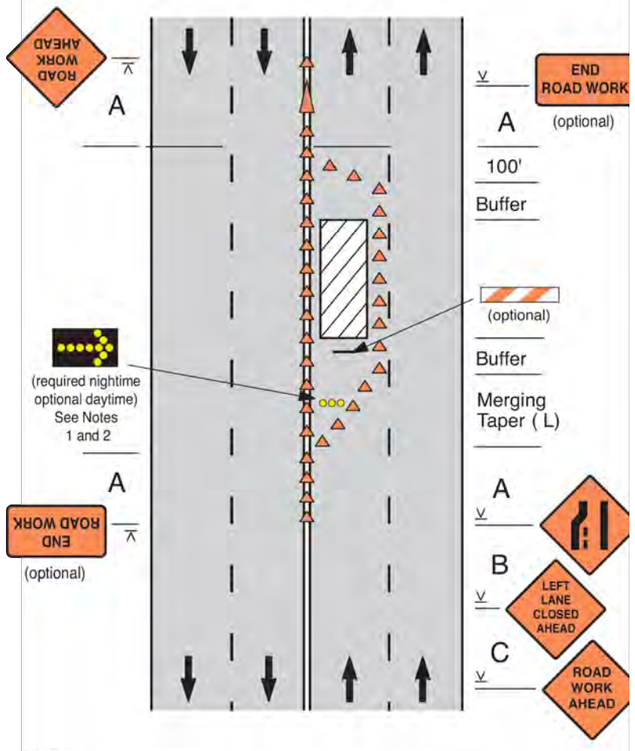
SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER
TCP-6

PROJECT# 2023.0119.0000

Lane Closure on a Four-Lane Undivided Roadway

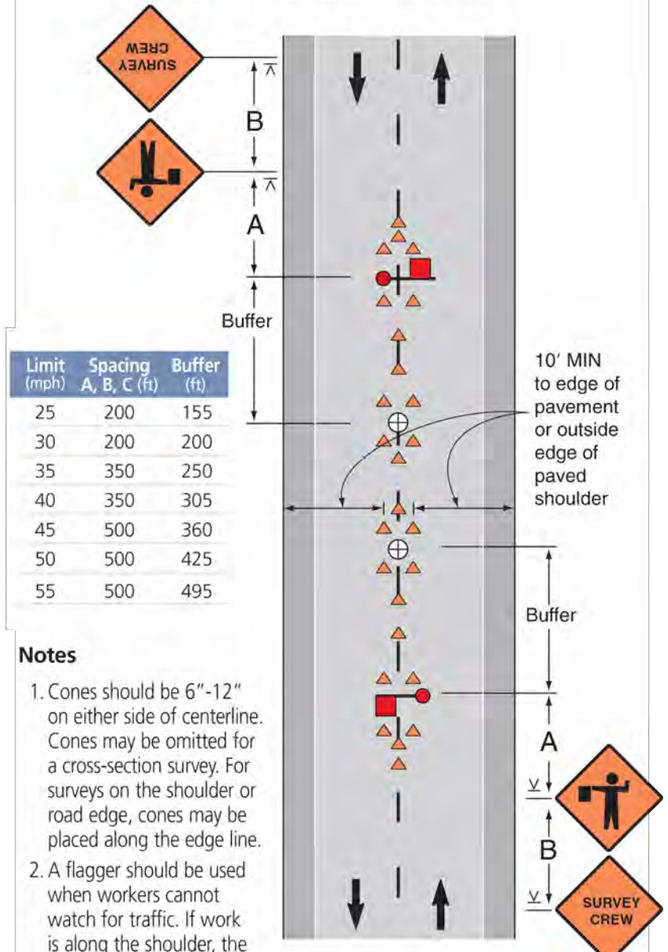


Notes

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

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.

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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
N.T.S.

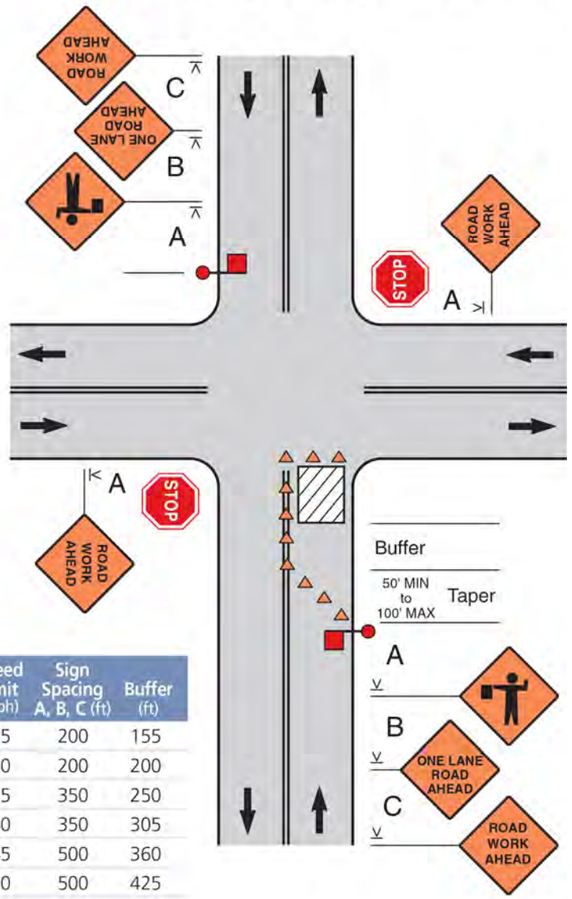
SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER
TCP-7

PROJECT# 2023.0119.0000

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

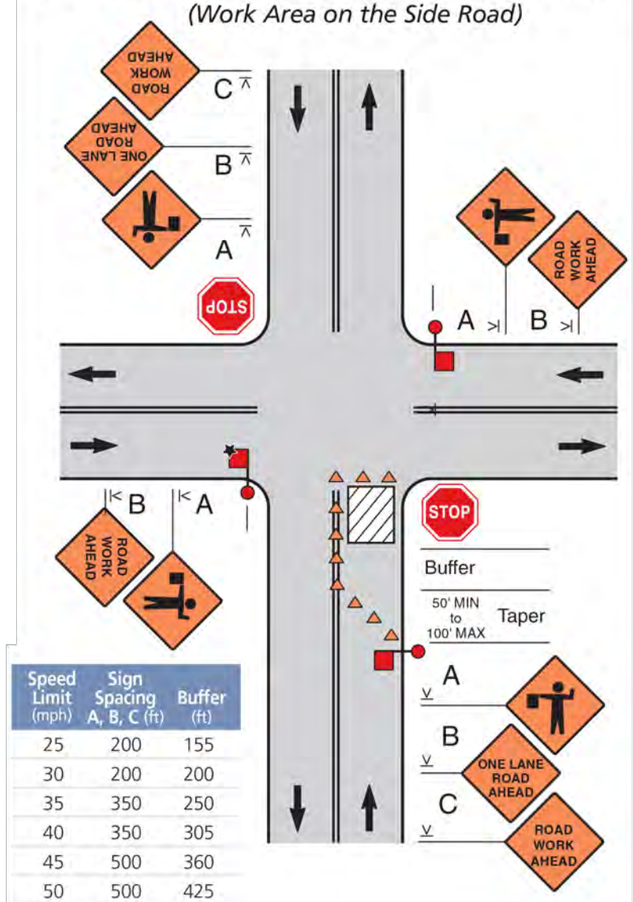


Speed Limit (mph)	Sign Spacing A, B, C (ft)	Buffer (ft)
25	200	155
30	200	200
35	350	250
40	350	305
45	500	360
50	500	425
55	500	495

Notes

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

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



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

Notes

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

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TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
N.T.S.

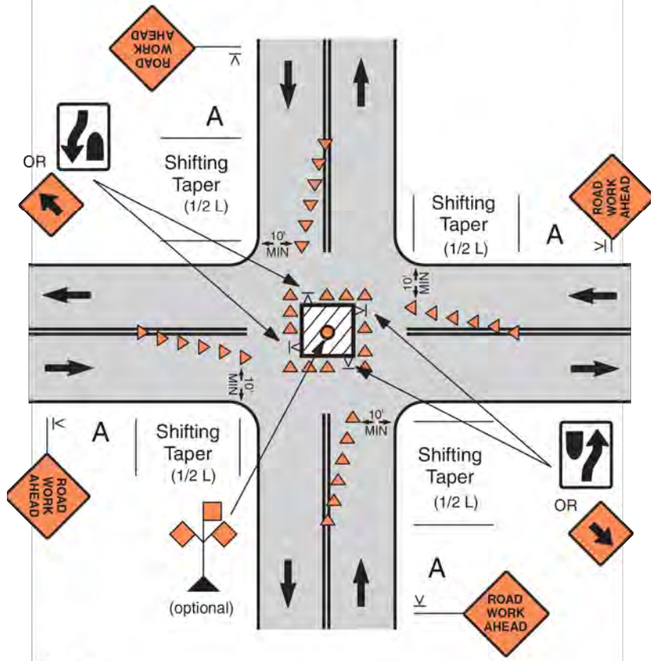
SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER
TCP-8

PROJECT# 2023.0119.0000

Closure in the Center of an Intersection

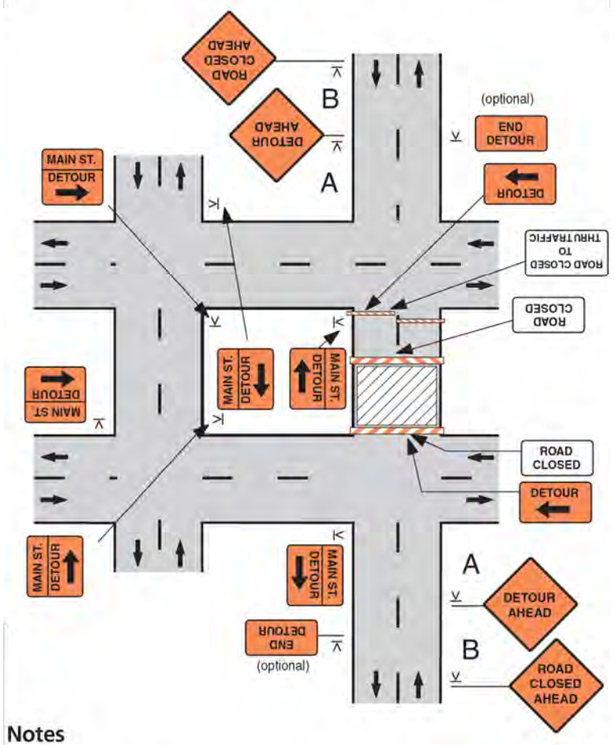


Notes

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	Shift Taper (ft) 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

Street Closure with Detour



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)
25-30	200
35-40	350
45-55	500

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TASK NAME
WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
N.T.S.

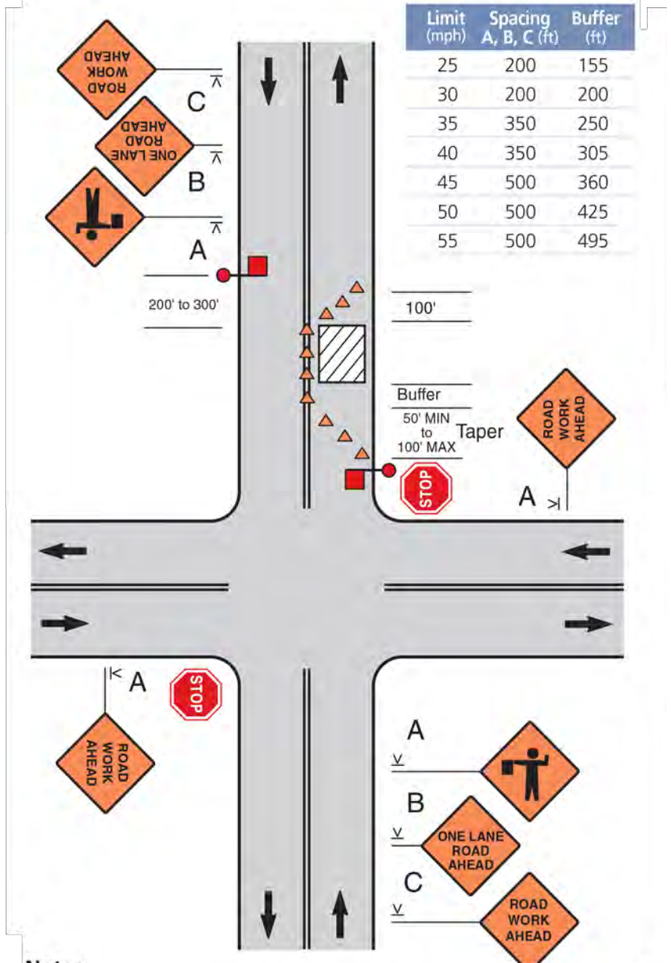
SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER
TCP-9

PROJECT# 2023.0119.0000

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

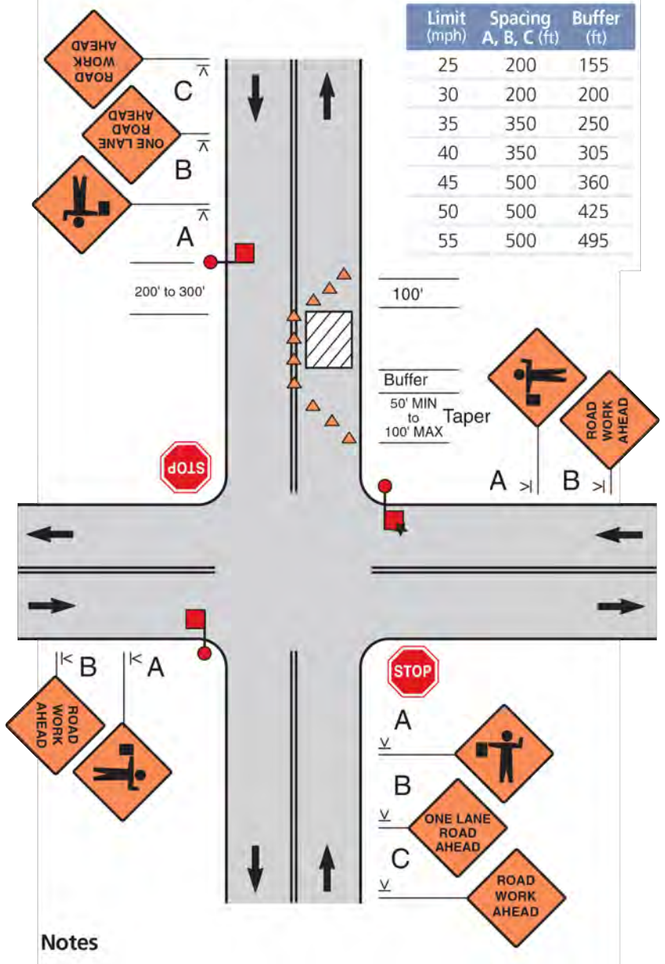


Limit (mph)	Spacing A, B, C (ft)	Buffer (ft)
25	200	155
30	200	200
35	350	250
40	350	305
45	500	360
50	500	425
55	500	495

Notes

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

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



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

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PROJECT AREA
LACROSSE, WI

SHEET SCALE
N.T.S.

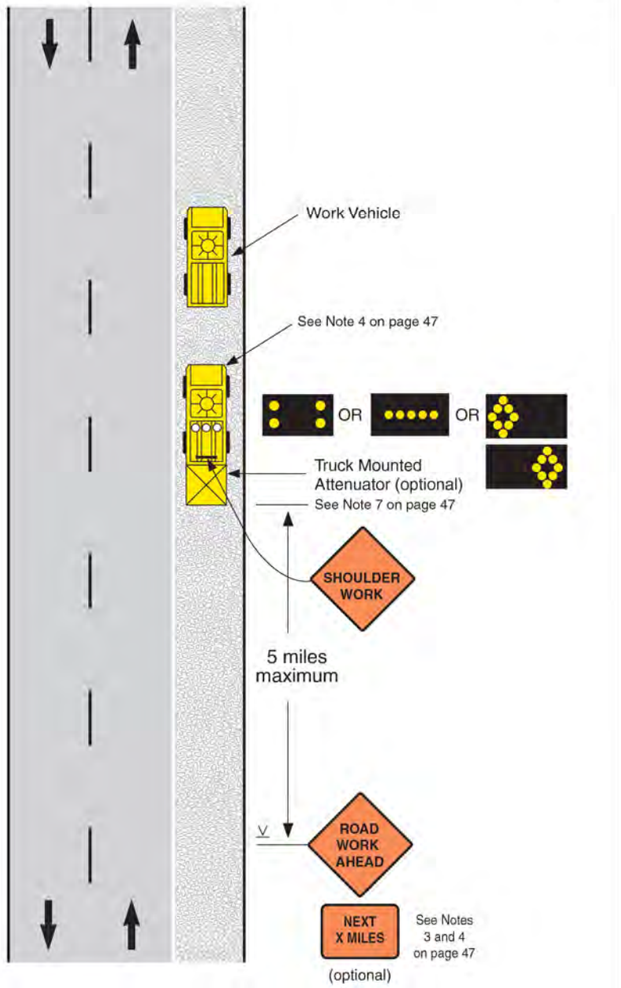
SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

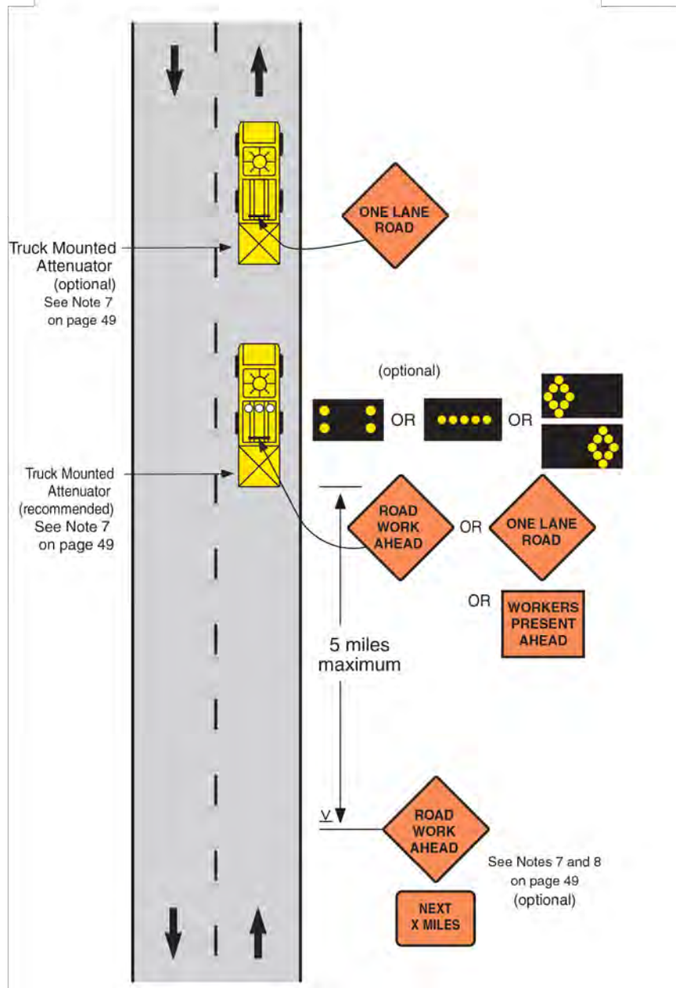
SHEET NUMBER
TCP-10

PROJECT# 2023.0119.0000

Mobile Operation on the Shoulder



Mobile Operation on a Two-Lane Road



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WILC002

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI

SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

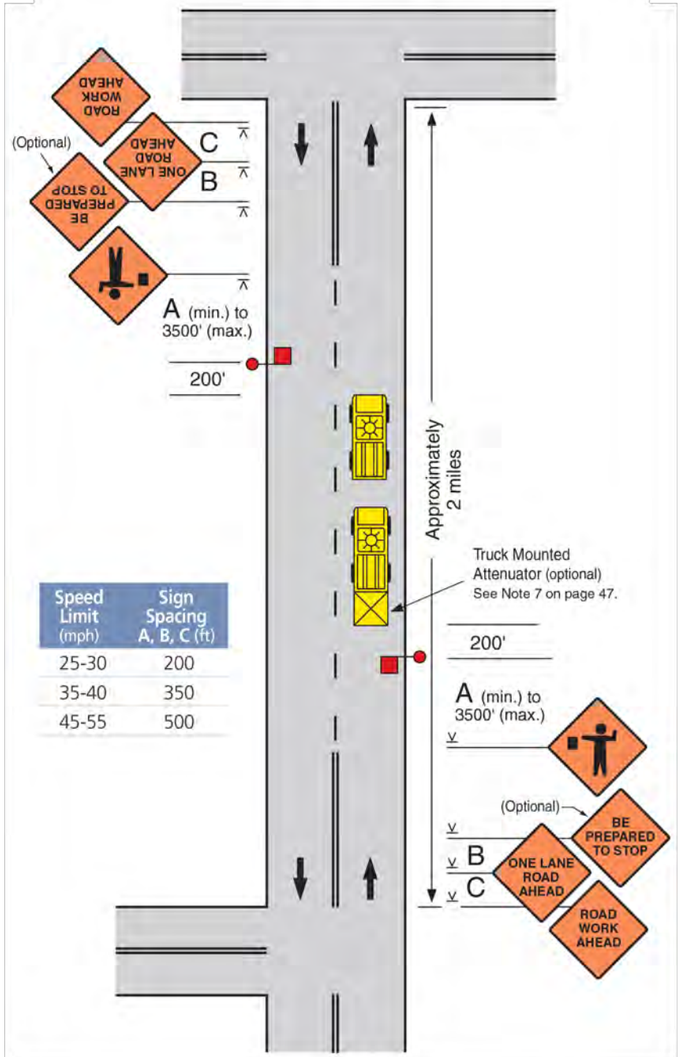
GRID NUMBER

SHEET NUMBER
TCP-11

PROJECT# 2023.0119.0000

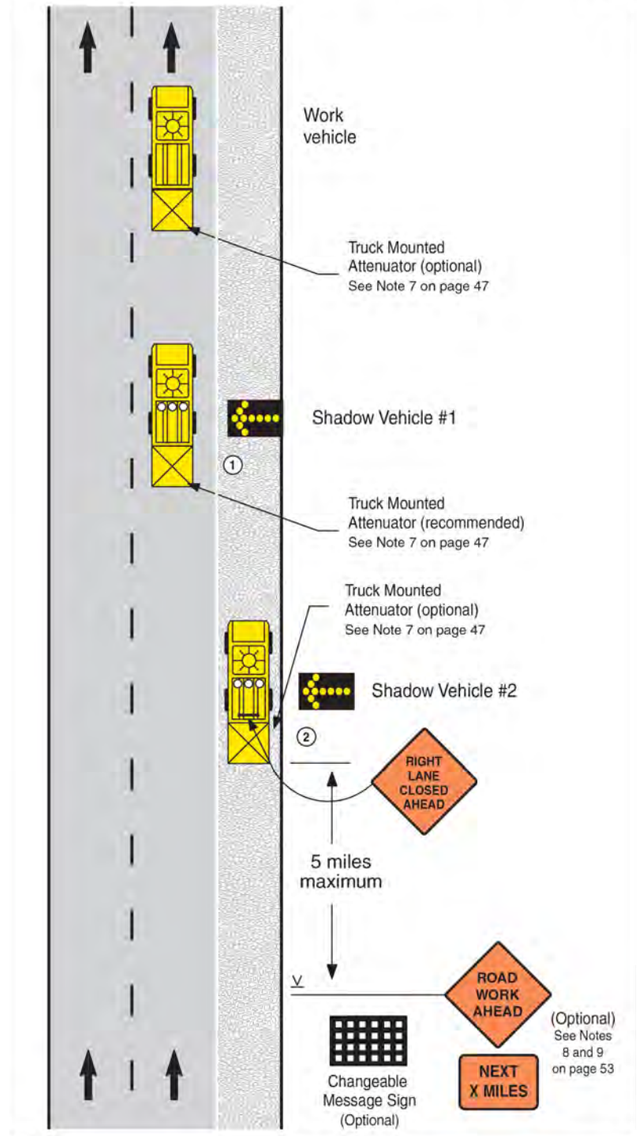
Mobile Operation on a Two-Lane Road Using Flaggers

(Traveling at less than 3 mph)



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

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.
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REV	DATE	DESCRIPTION	BY
A	06/14/24	ISSUED FOR REVIEW	IK
B	07/03/24	REVISED	IK
C	11/06/24	REVISED	BP

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
WILC002

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

PROJECT# 2023.0119.0000