

MATCHLINE - SHEET C-068



metronet
3701 COMMUNICATIONS WAY
EVANSVILLE, IN, 47715



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



REV	DATE	DESCRIPTION	BY
A	05/17/23	ISSUED FOR REVIEW	IK

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
WILC038

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-069

MATCHLINE - SHEET C-070

- 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.



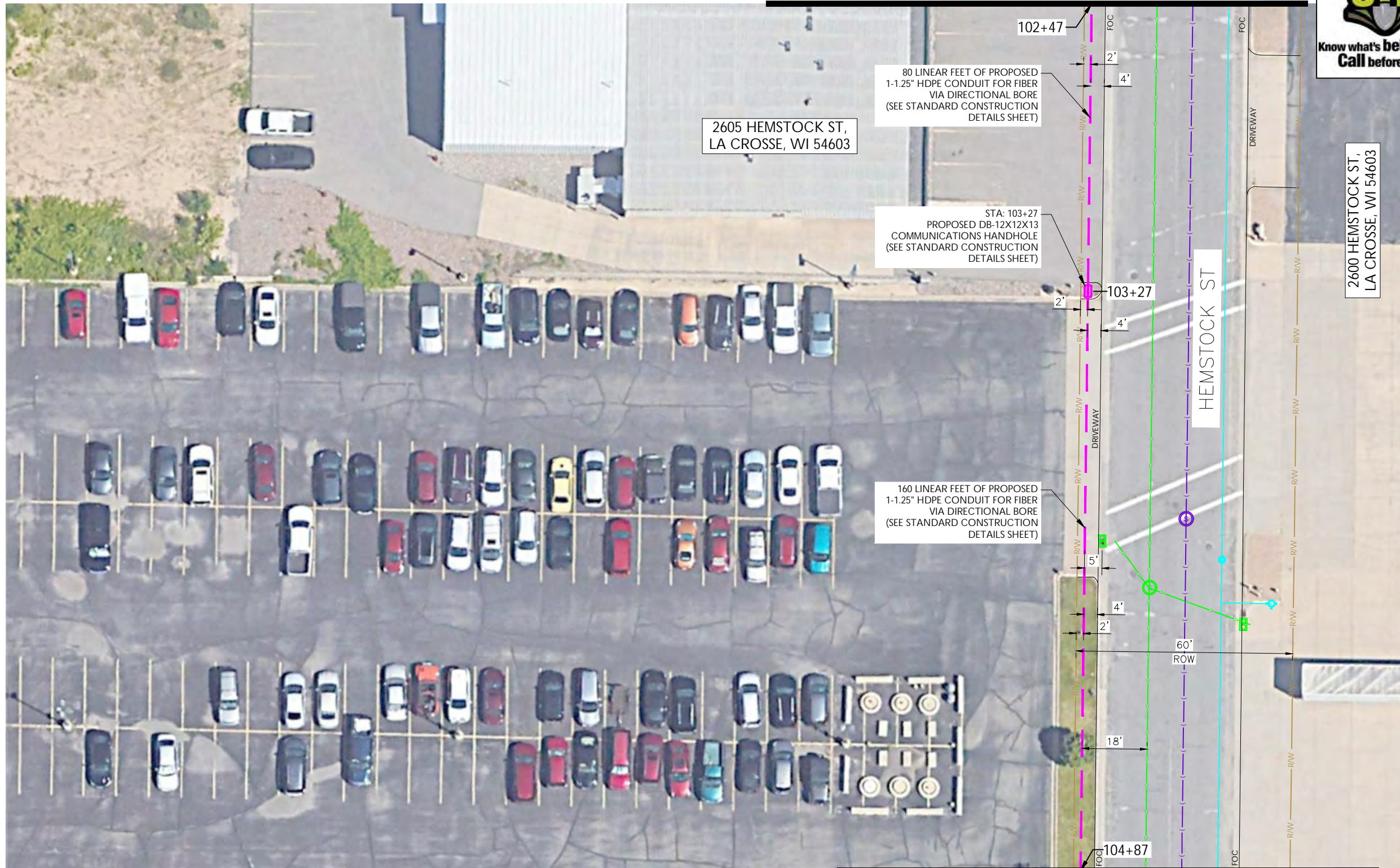
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MATCHLINE - SHEET C-071

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PROJECT AREA
LACROSSE, WI, USA

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DESIGN LAYOUT

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SHEET NUMBER
C-070

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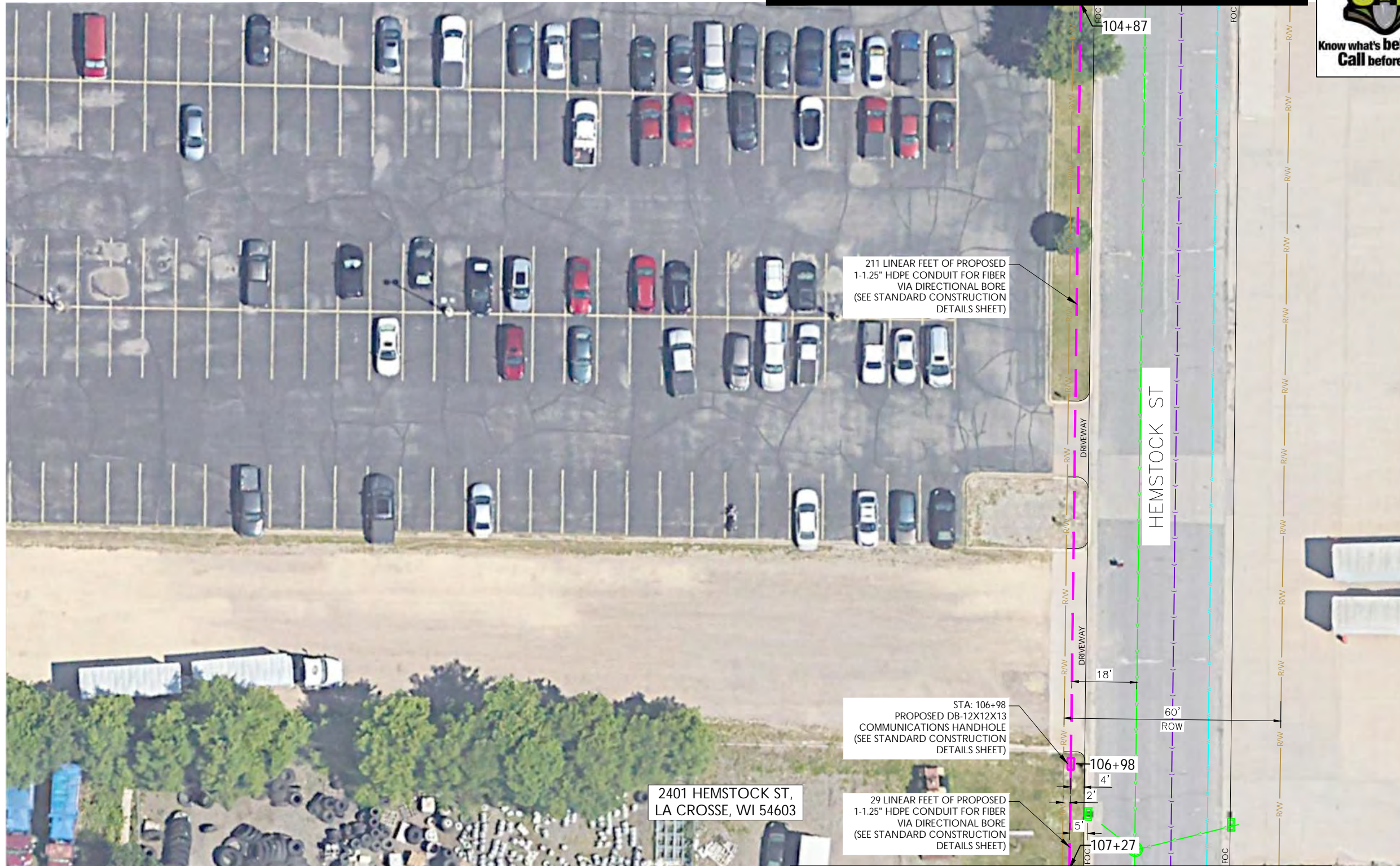
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211 LINEAR FEET OF PROPOSED 1-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

STA: 106+98
PROPOSED DB-12X12X13 COMMUNICATIONS HANDHOLE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

2401 HEMSTOCK ST,
LA CROSSE, WI 54603

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

MATCHLINE - SHEET C-072

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PROJECT AREA
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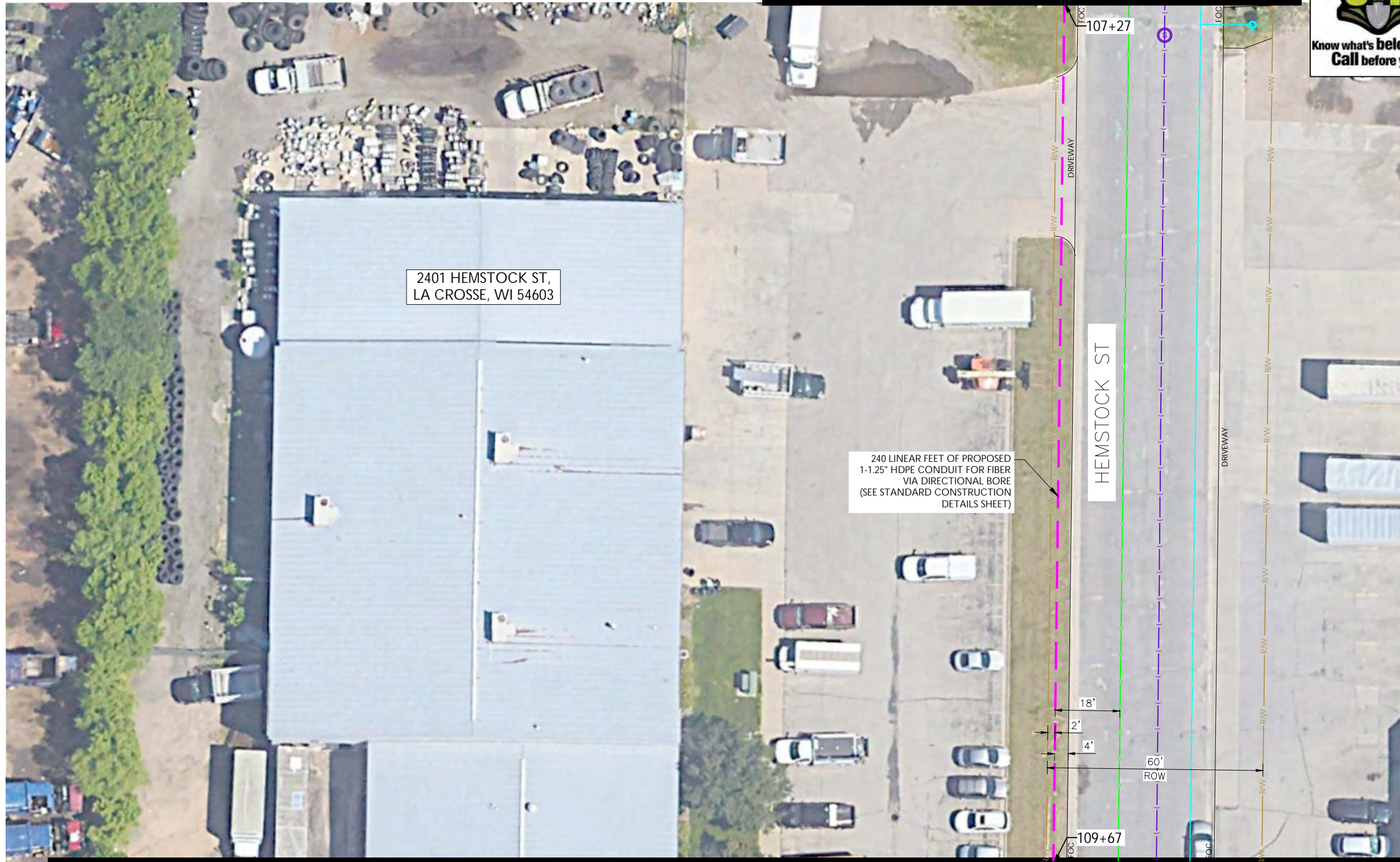
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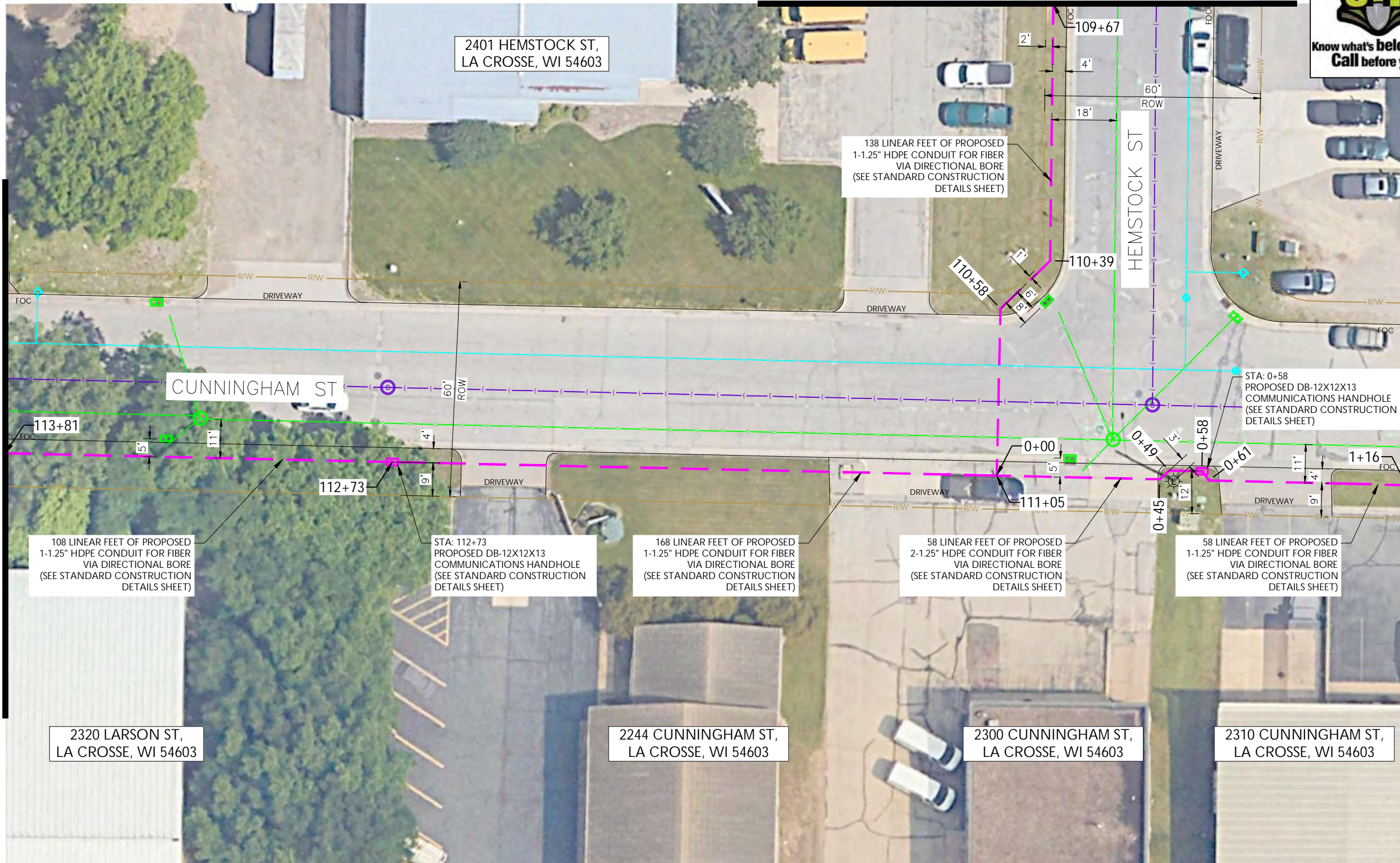


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MATCHLINE - SHEET C-080

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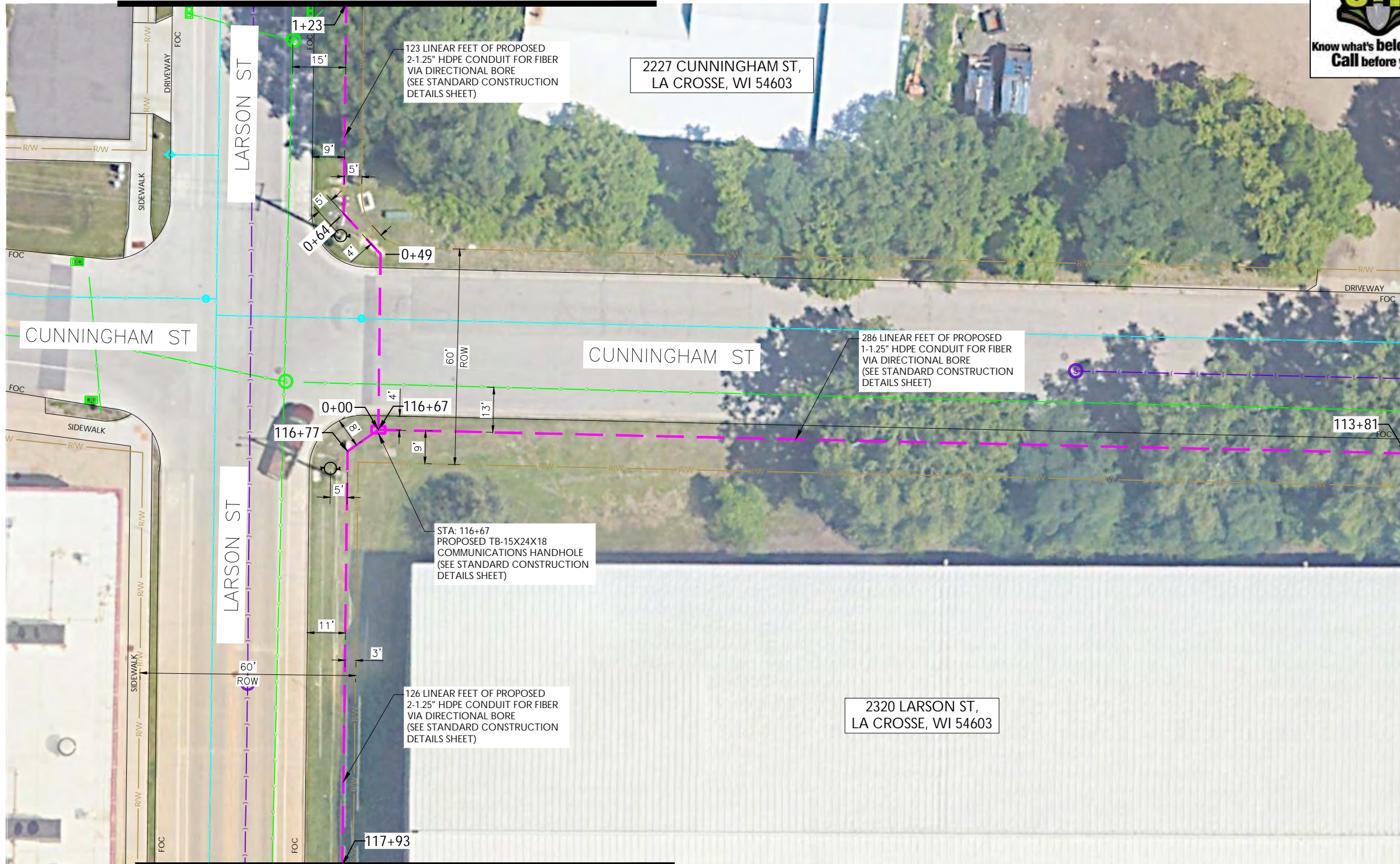
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MATCHLINE - SHEET C-081



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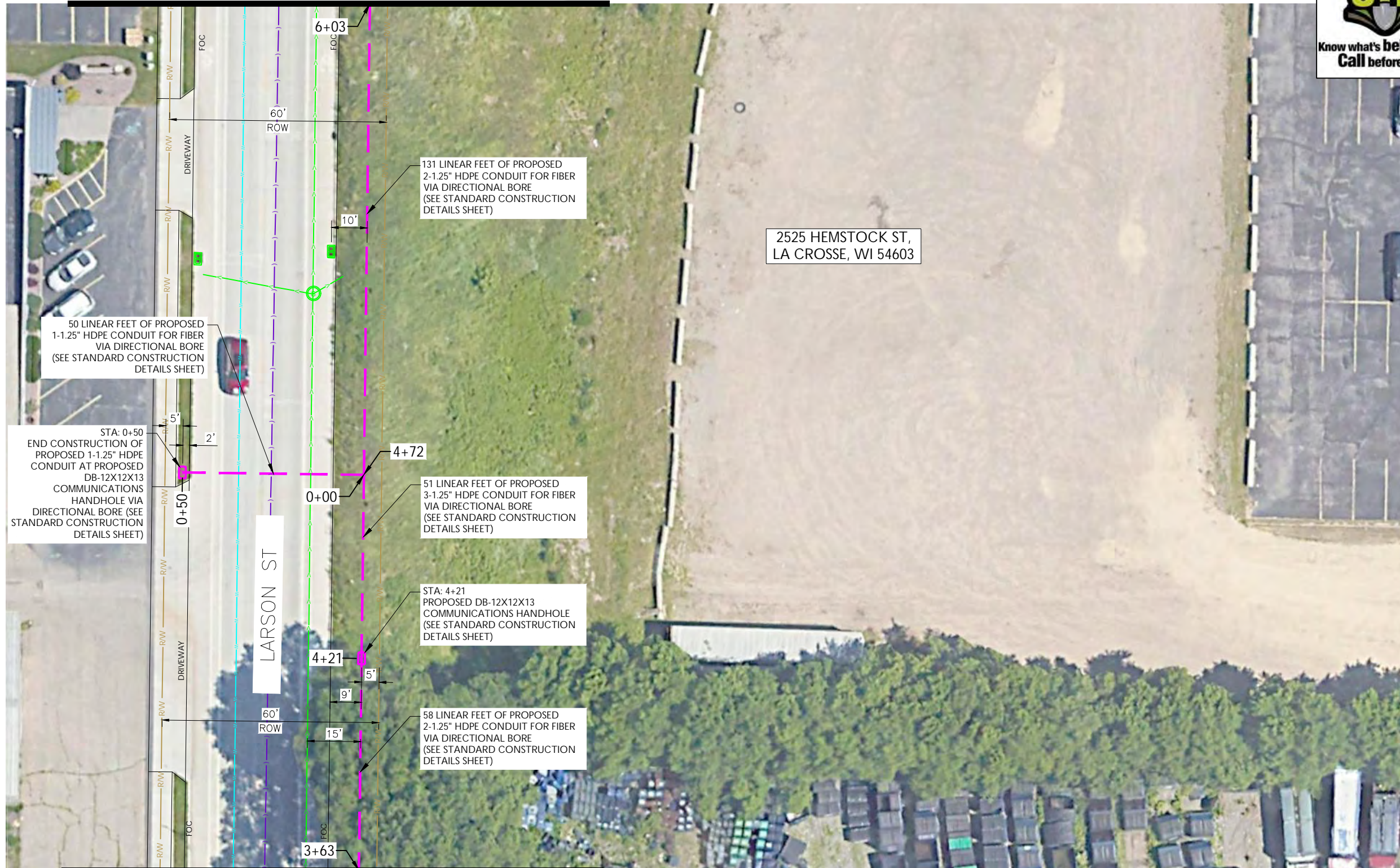
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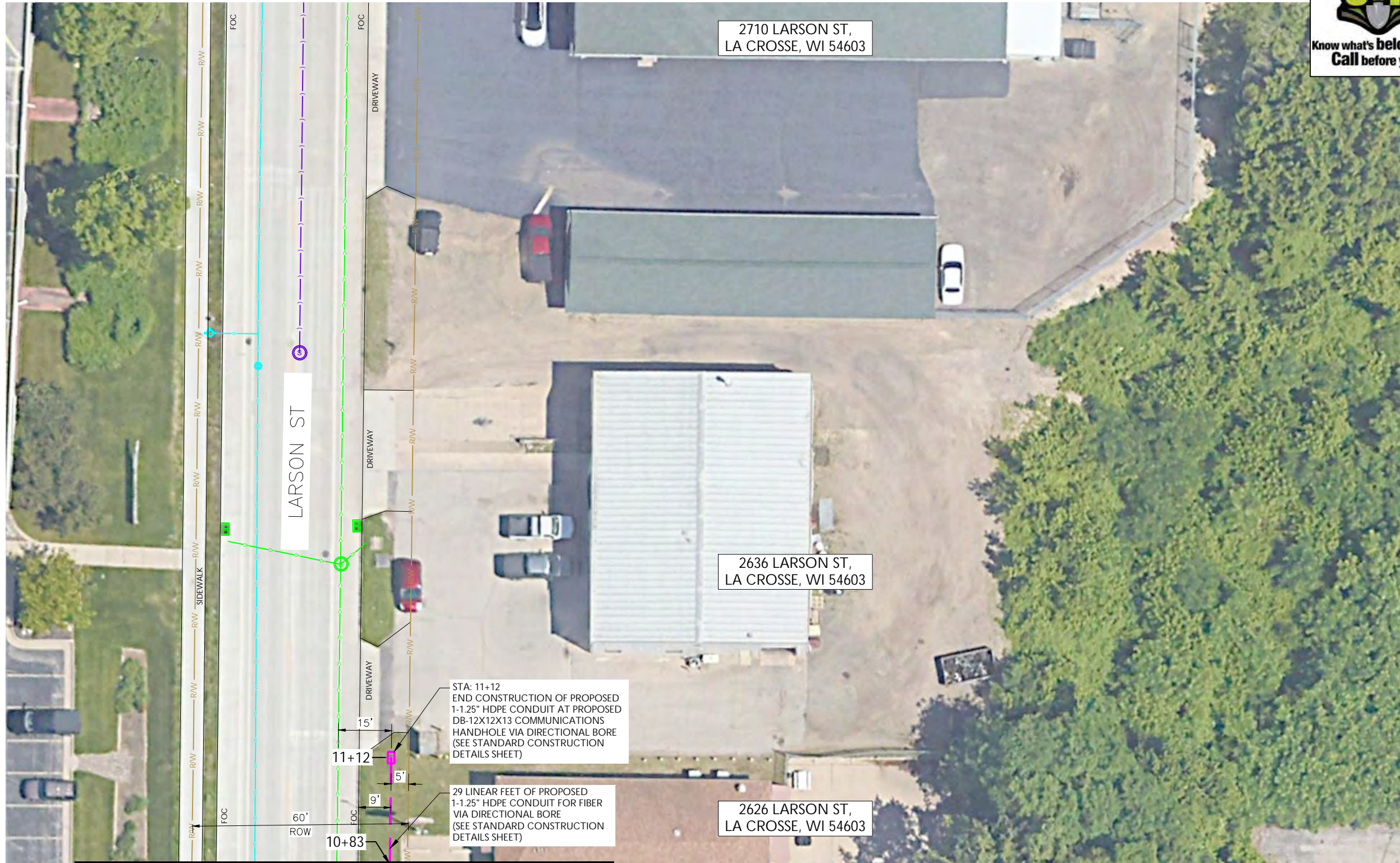
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PROJECT AREA
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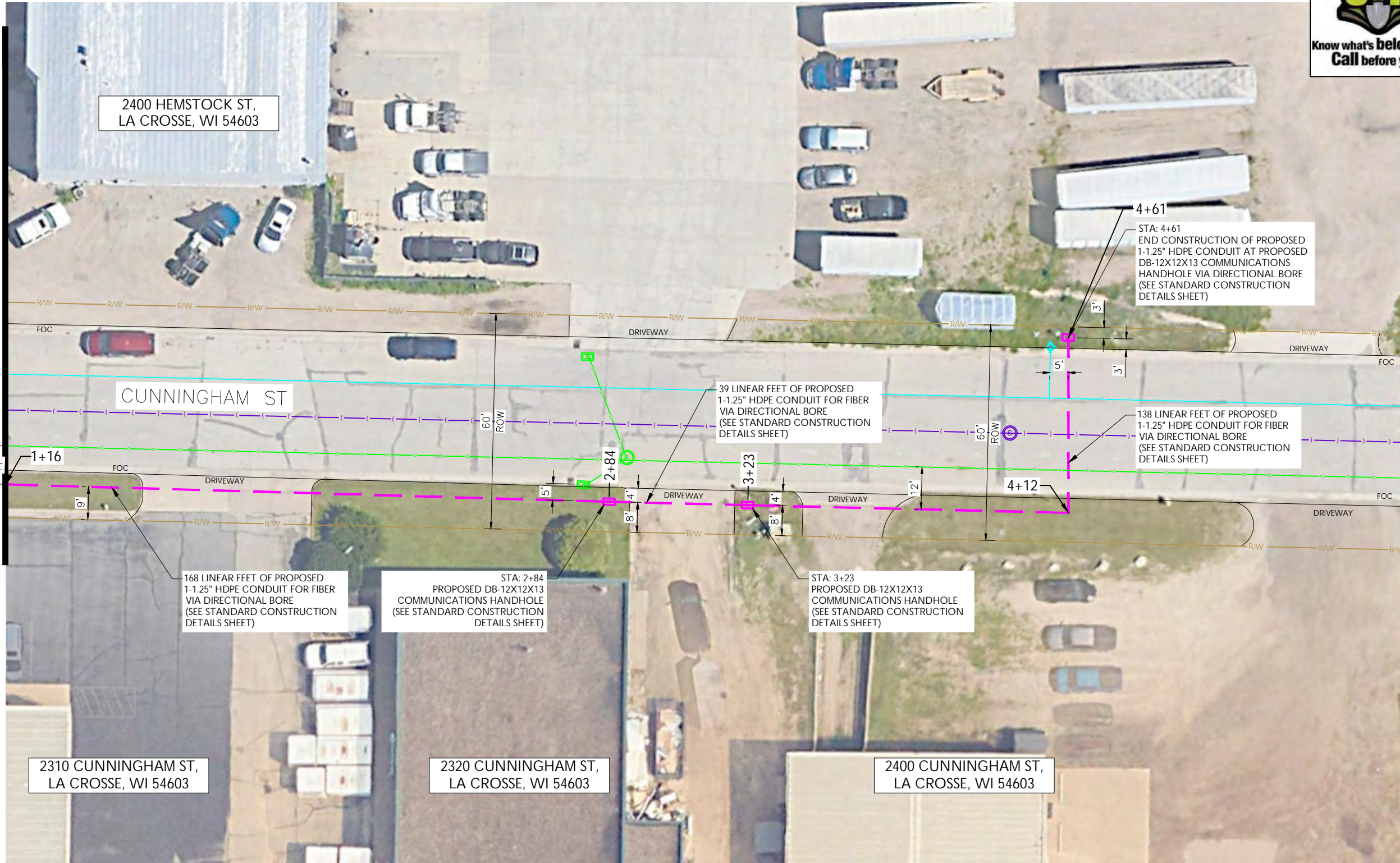
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MATCHLINE - SHEET C-073



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SHEET NUMBER
C-080

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MATCHLINE — SHEET C-074



MATCHLINE — SHEET C-082



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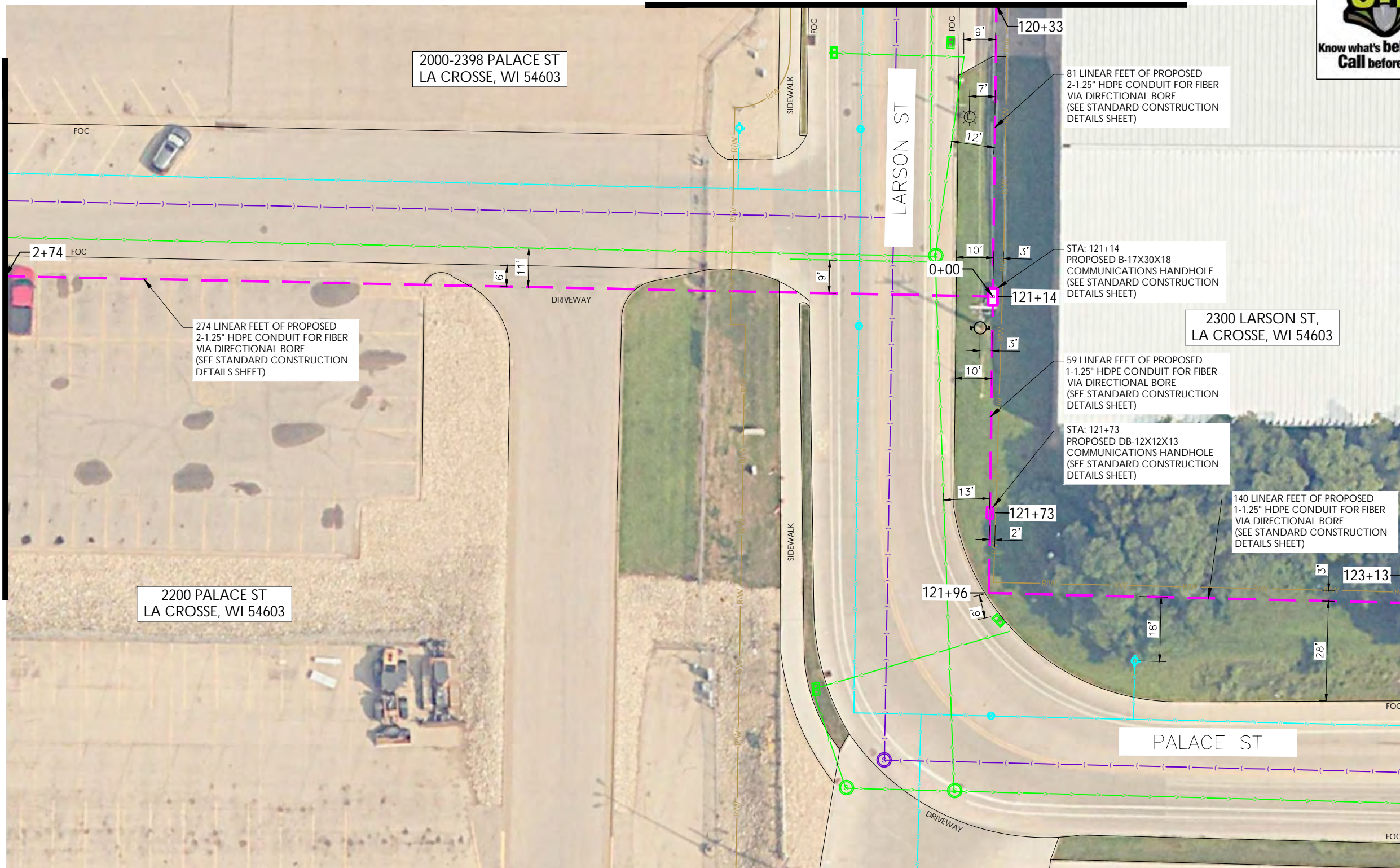


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MATCHLINE - SHEET C-085



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SHEET TITLE
DESIGN LAYOUT

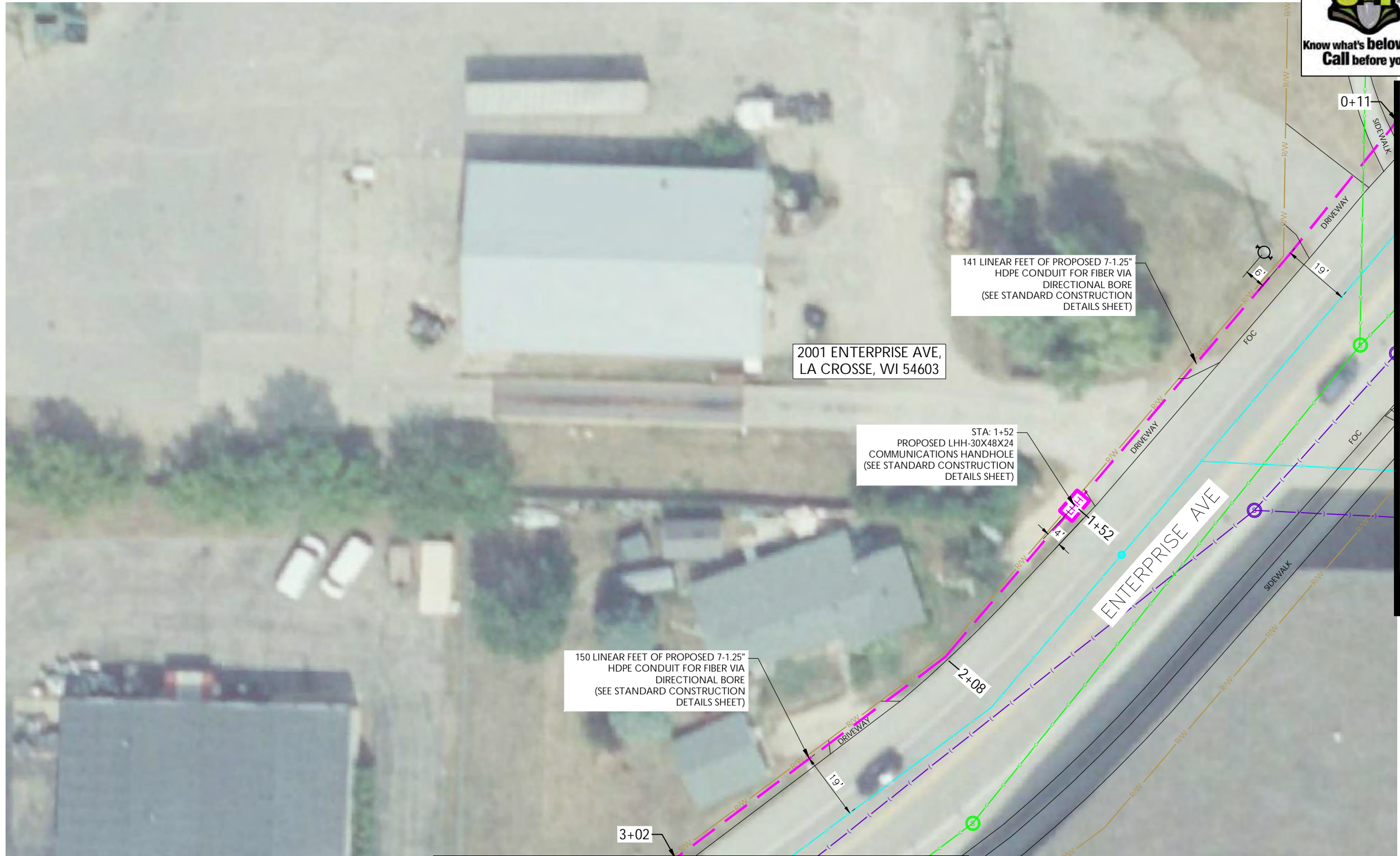
GRID NUMBER

SHEET NUMBER
C-085

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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MATCHLINE - SHEET C-054

REV	DATE	DESCRIPTION	BY
A	05/17/23	ISSUED FOR REVIEW	IK

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
WILC038

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
 LACROSSE, WI, USA

SHEET SCALE
 1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

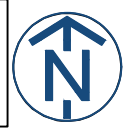
GRID NUMBER

SHEET NUMBER
C-086

MATCHLINE - SHEET C-087

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

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MATCHLINE - SHEET C-086

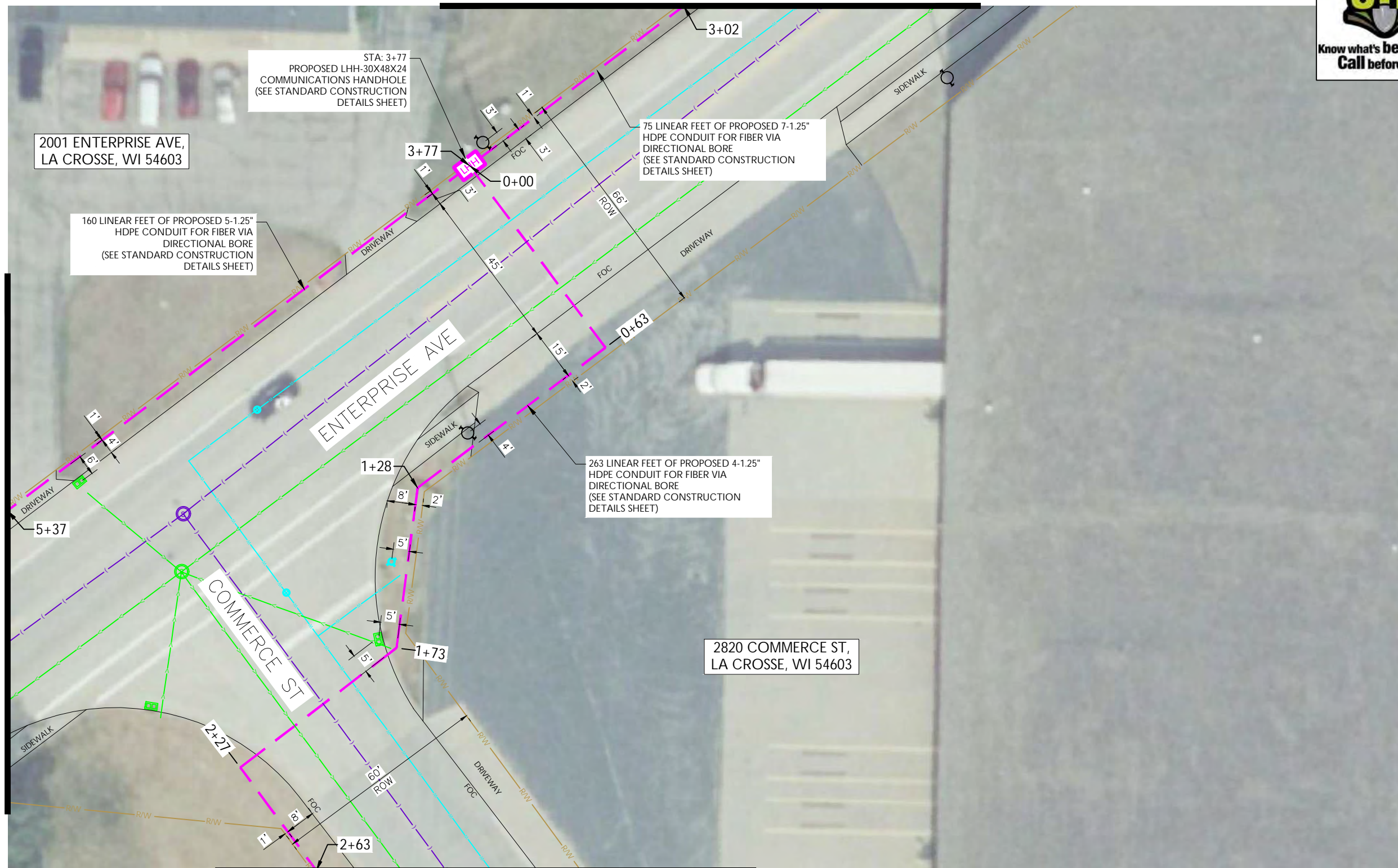


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MATCHLINE - SHEET C-088

MATCHLINE - SHEET C-100

REV	DATE	DESCRIPTION	BY
A	05/17/23	ISSUED FOR REVIEW	IK

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TASK NAME
WILC038

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-087

NOTE:
 · PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS
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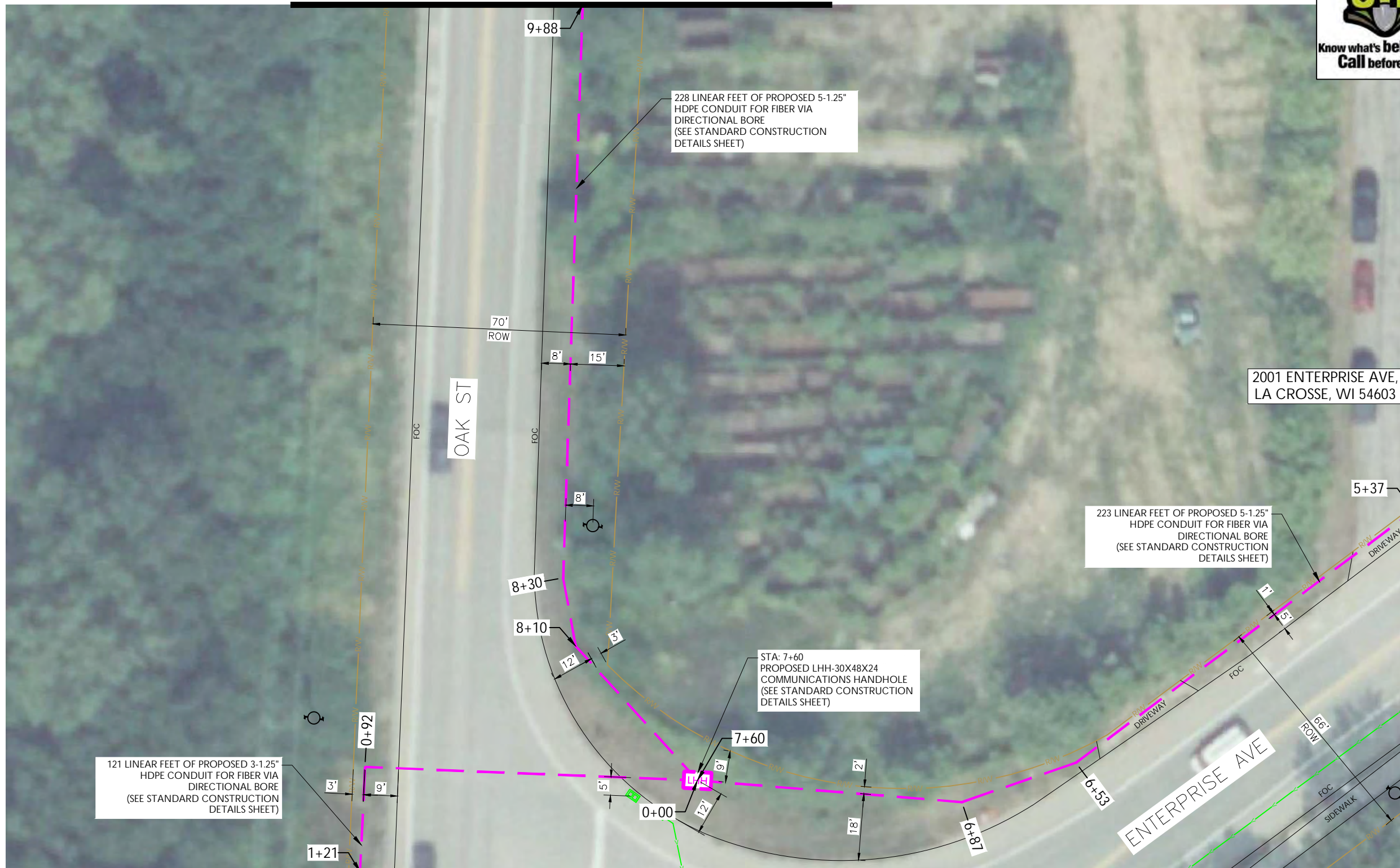
MATCHLINE — SHEET C-089



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MATCHLINE — SHEET C-087

REV	DATE	DESCRIPTION	BY
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TASK NAME
WILC038

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-088

MATCHLINE — SHEET C-098

- NOTE:
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MATCHLINE — SHEET C-090



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MATCHLINE — SHEET C-088

REV	DATE	DESCRIPTION	BY
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TASK NAME
WILC038

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-089

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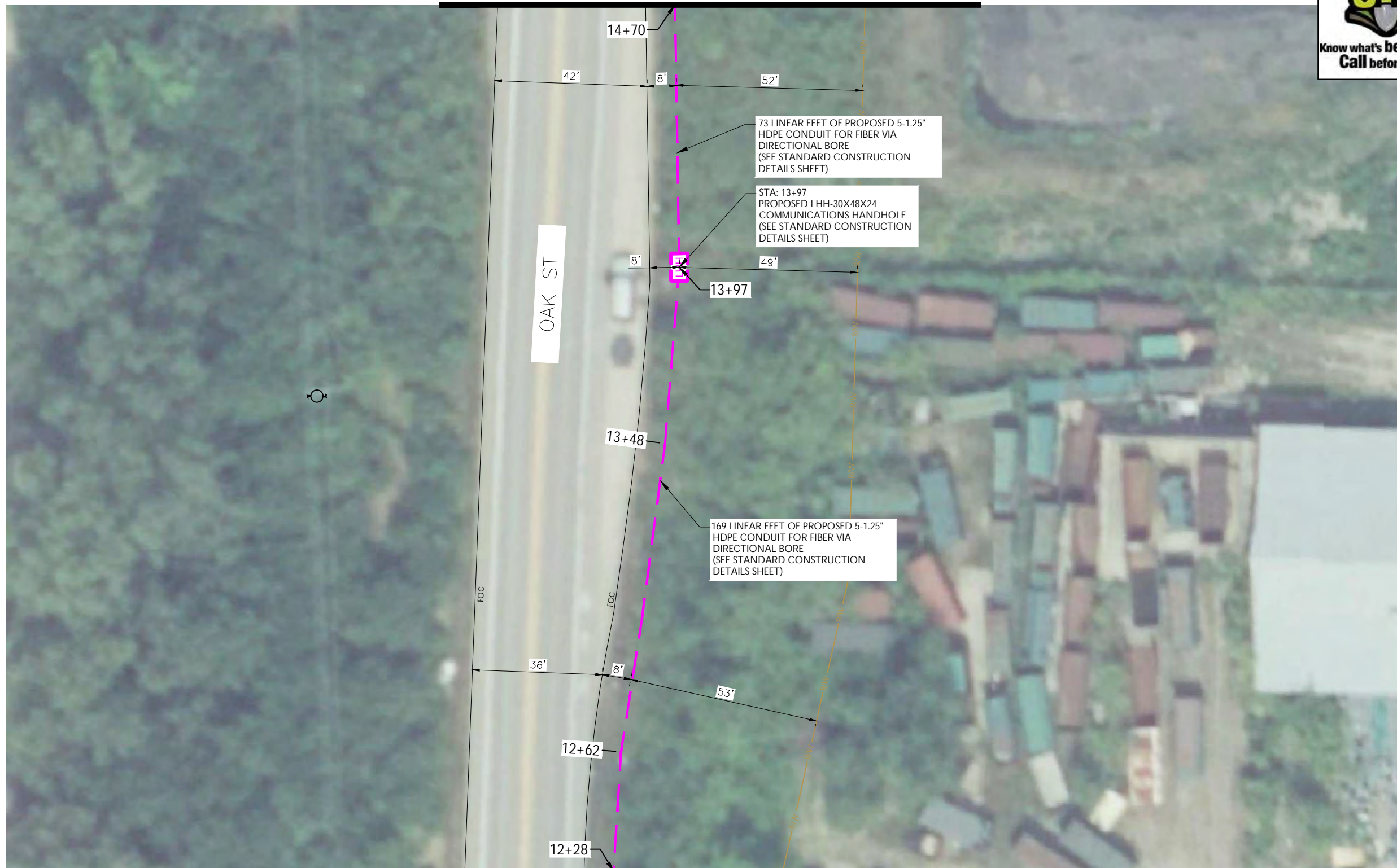
MATCHLINE - SHEET C-091



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TASK NAME
WILC038

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

SHEET SCALE
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SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-090

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MATCHLINE - SHEET C-092



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TASK NAME
WILC038

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

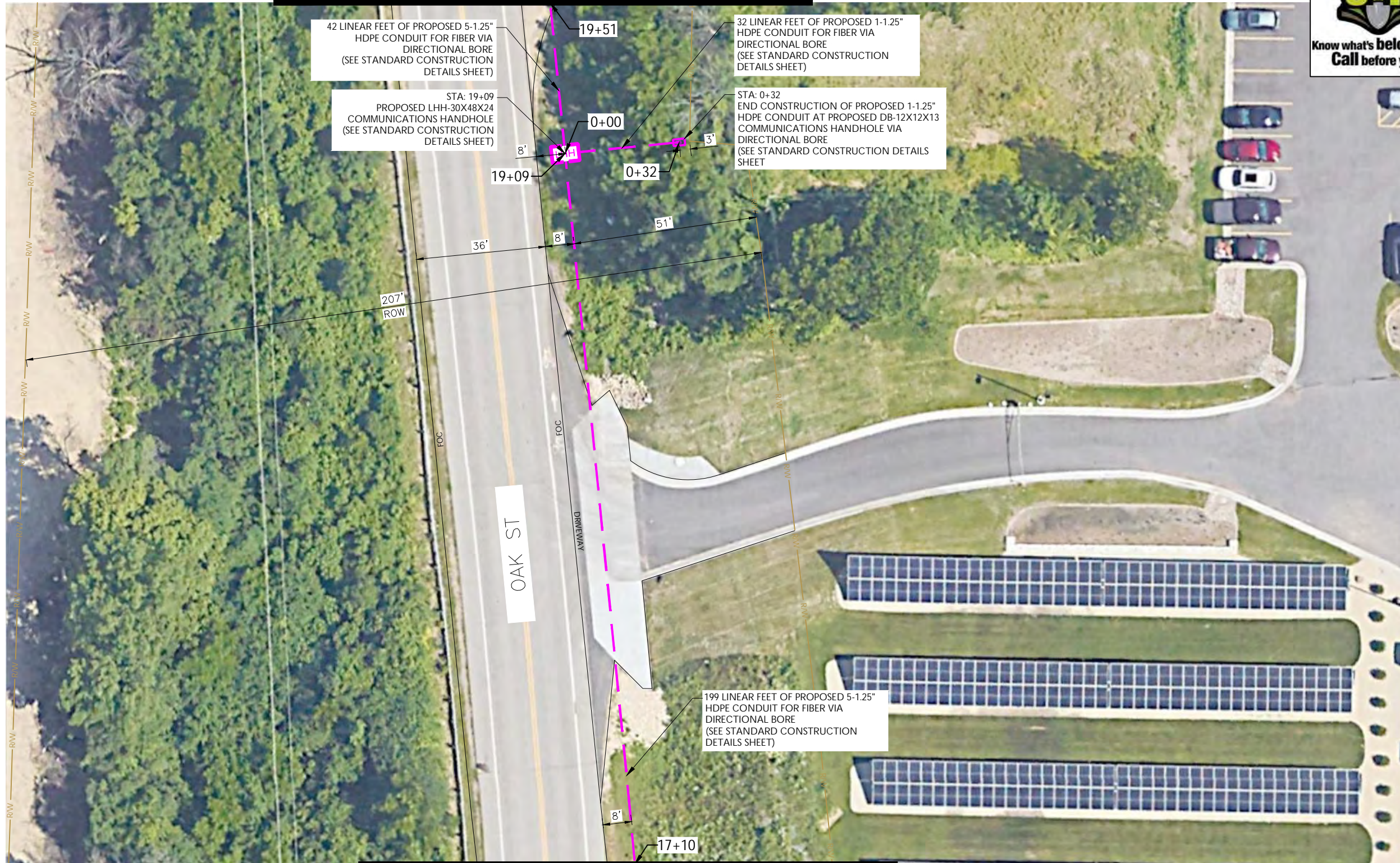
SHEET NUMBER
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MATCHLINE — SHEET C-093



MATCHLINE — SHEET C-091



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TASK NAME
WILC038

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-092

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MATCHLINE — SHEET C-094



MATCHLINE — SHEET C-092



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TASK NAME
WILC038

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
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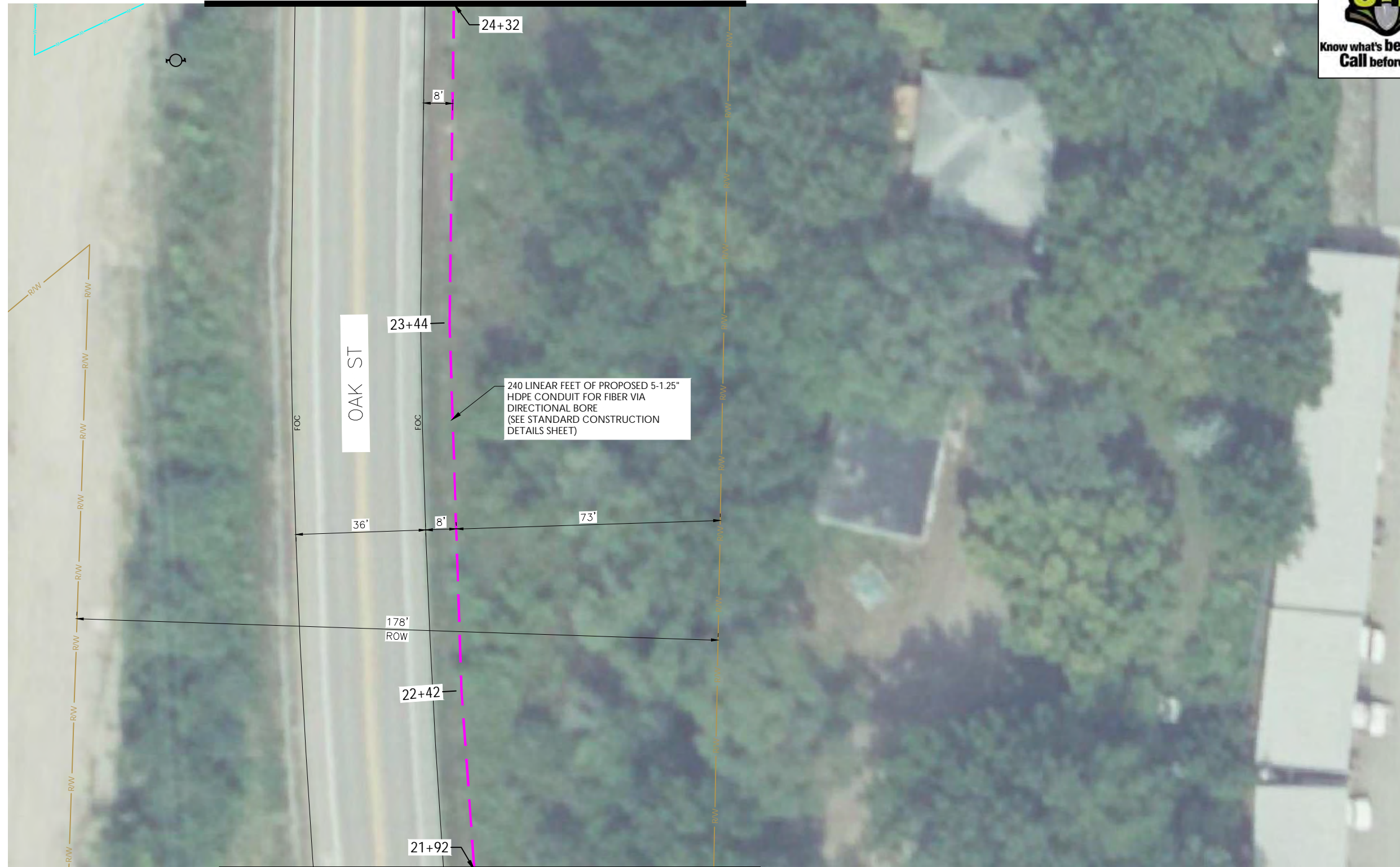
MATCHLINE — SHEET C-095



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TASK NAME
WILC038

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-094

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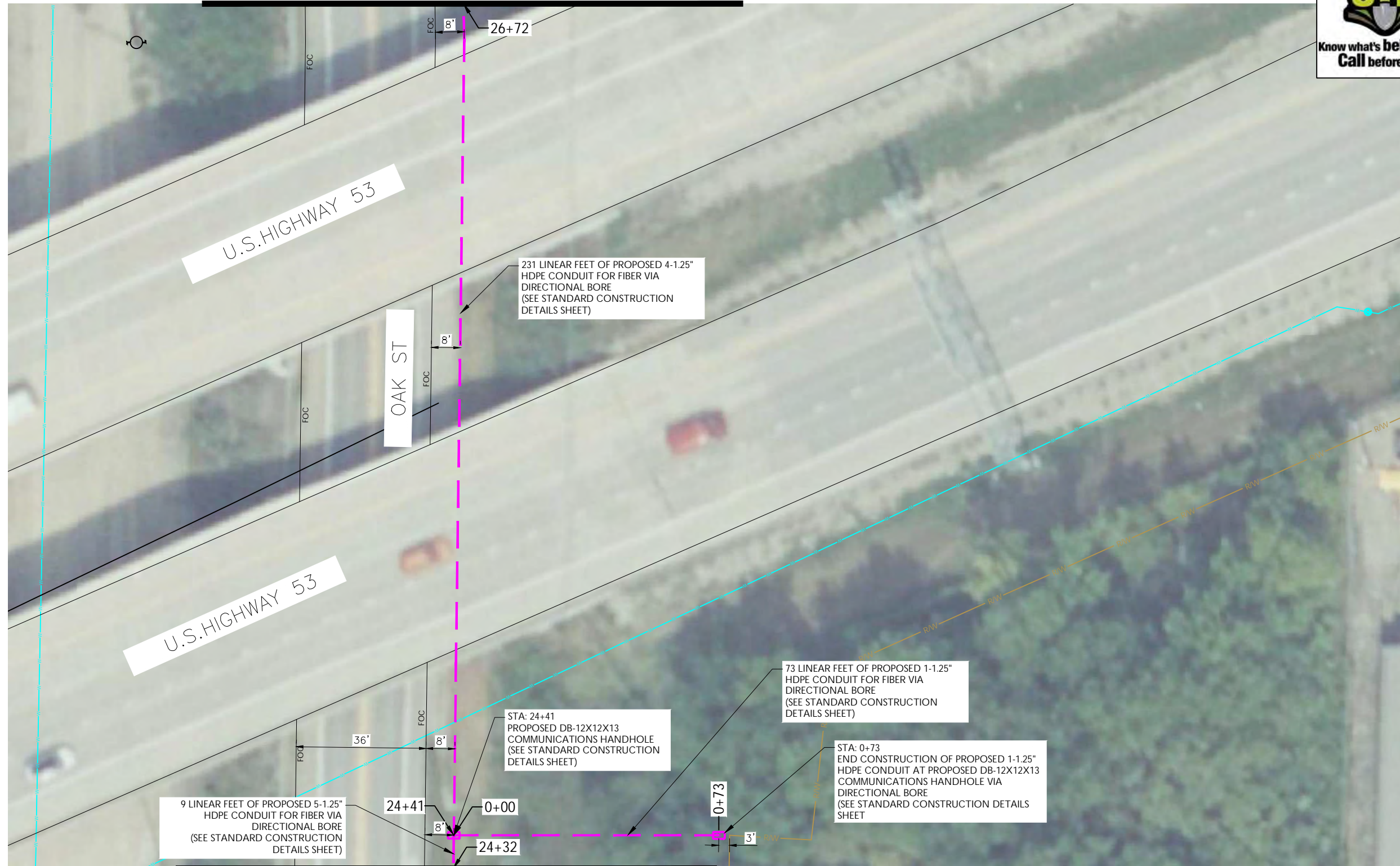
MATCHLINE - SHEET C-096



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MATCHLINE - SHEET C-094

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TASK NAME
WILC038

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-095

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MATCHLINE — SHEET C-097



MATCHLINE — SHEET C-095



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TASK NAME
WILC038

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-096

- NOTE:
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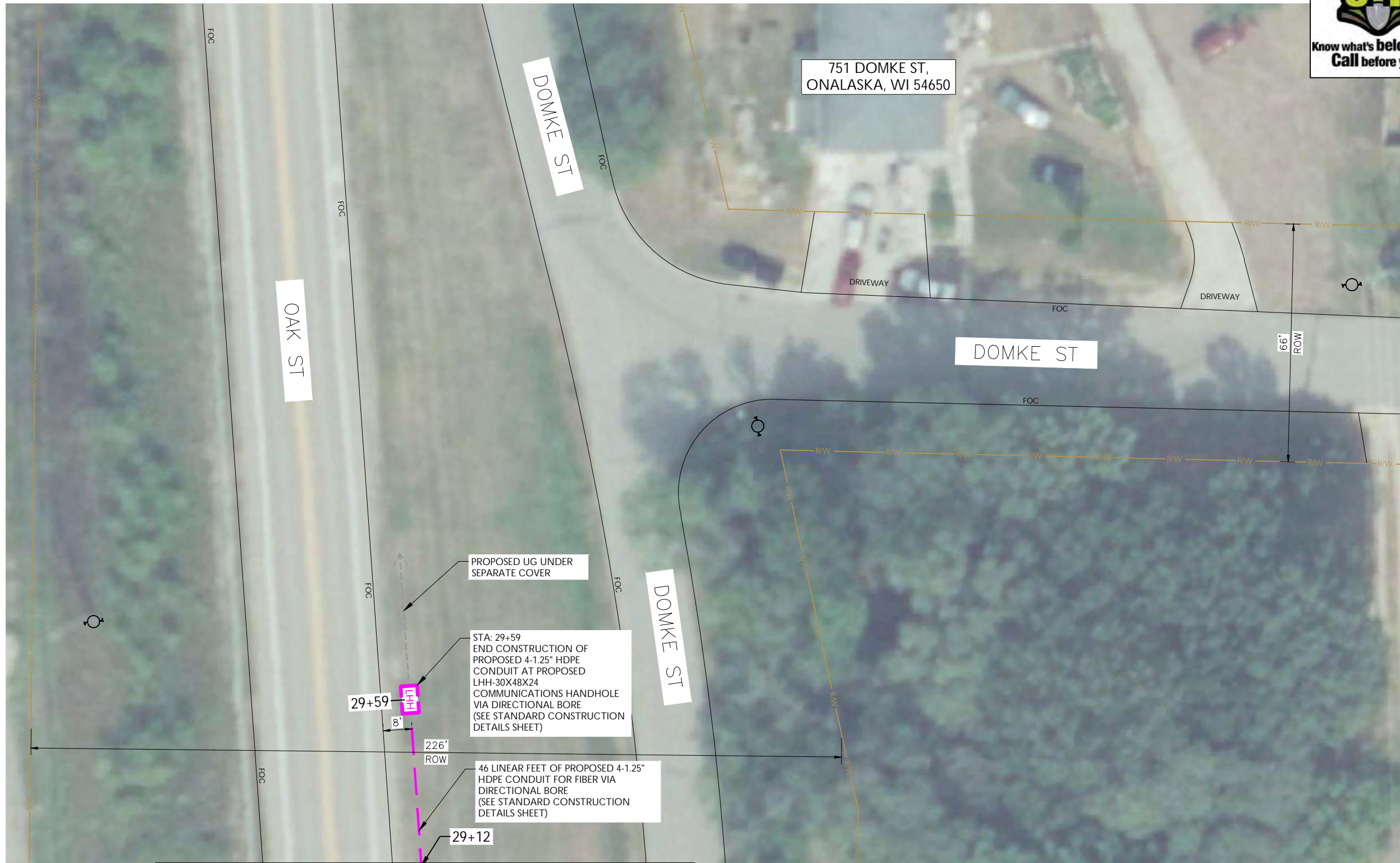




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TASK NAME
WILC038

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-097

MATCHLINE — SHEET C-096

- NOTE:
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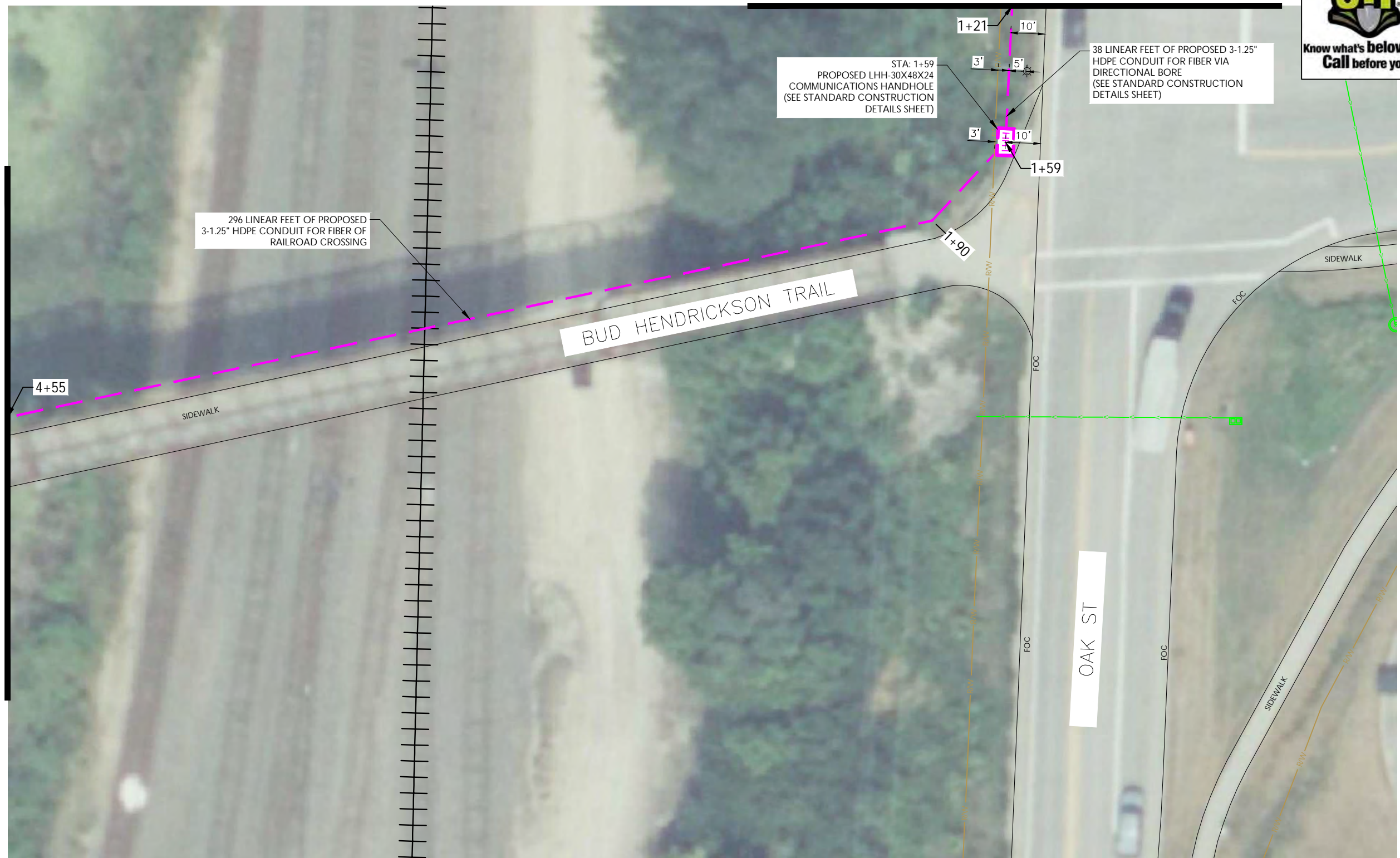
MATCHLINE - SHEET C-088



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MATCHLINE - SHEET C-099

REV	DATE	DESCRIPTION	BY
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TASK NAME
WILC038

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

SHEET SCALE
1" = 30'-0"

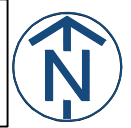
SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-098

NOTE:
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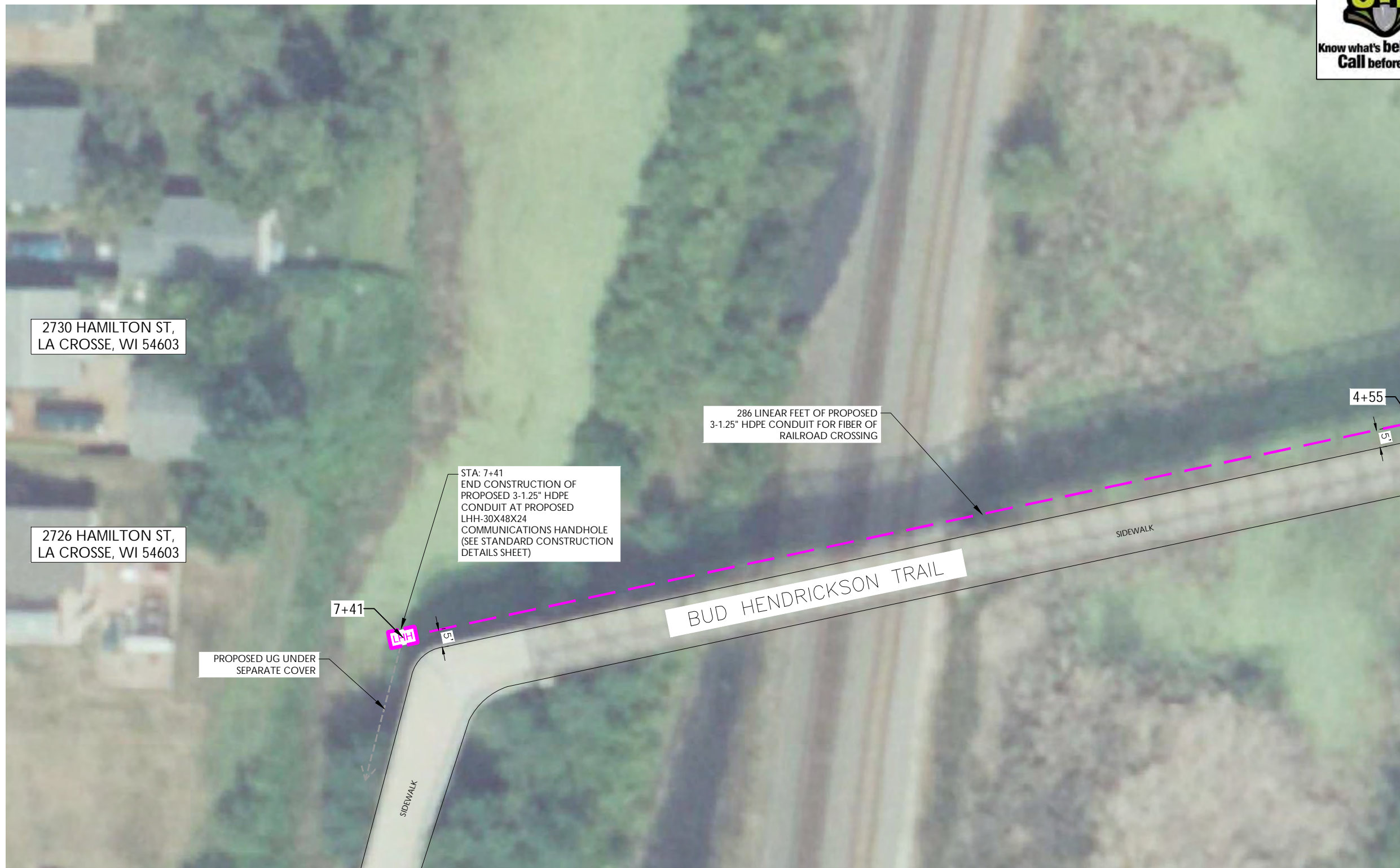




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2730 HAMILTON ST,
 LA CROSSE, WI 54603

2726 HAMILTON ST,
 LA CROSSE, WI 54603

STA: 7+41
 END CONSTRUCTION OF
 PROPOSED 3-1.25" HDPE
 CONDUIT AT PROPOSED
 LHH-30X48X24
 COMMUNICATIONS HANDHOLE
 (SEE STANDARD CONSTRUCTION
 DETAILS SHEET)

286 LINEAR FEET OF PROPOSED
 3-1.25" HDPE CONDUIT FOR FIBER OF
 RAILROAD CROSSING

PROPOSED UG UNDER
 SEPARATE COVER

BUD HENDRICKSON TRAIL

MATCHLINE - SHEET C-098

REV	DATE	DESCRIPTION	BY
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TASK NAME
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FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
 LACROSSE, WI, USA

SHEET SCALE
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SHEET TITLE
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GRID NUMBER

SHEET NUMBER
C-099

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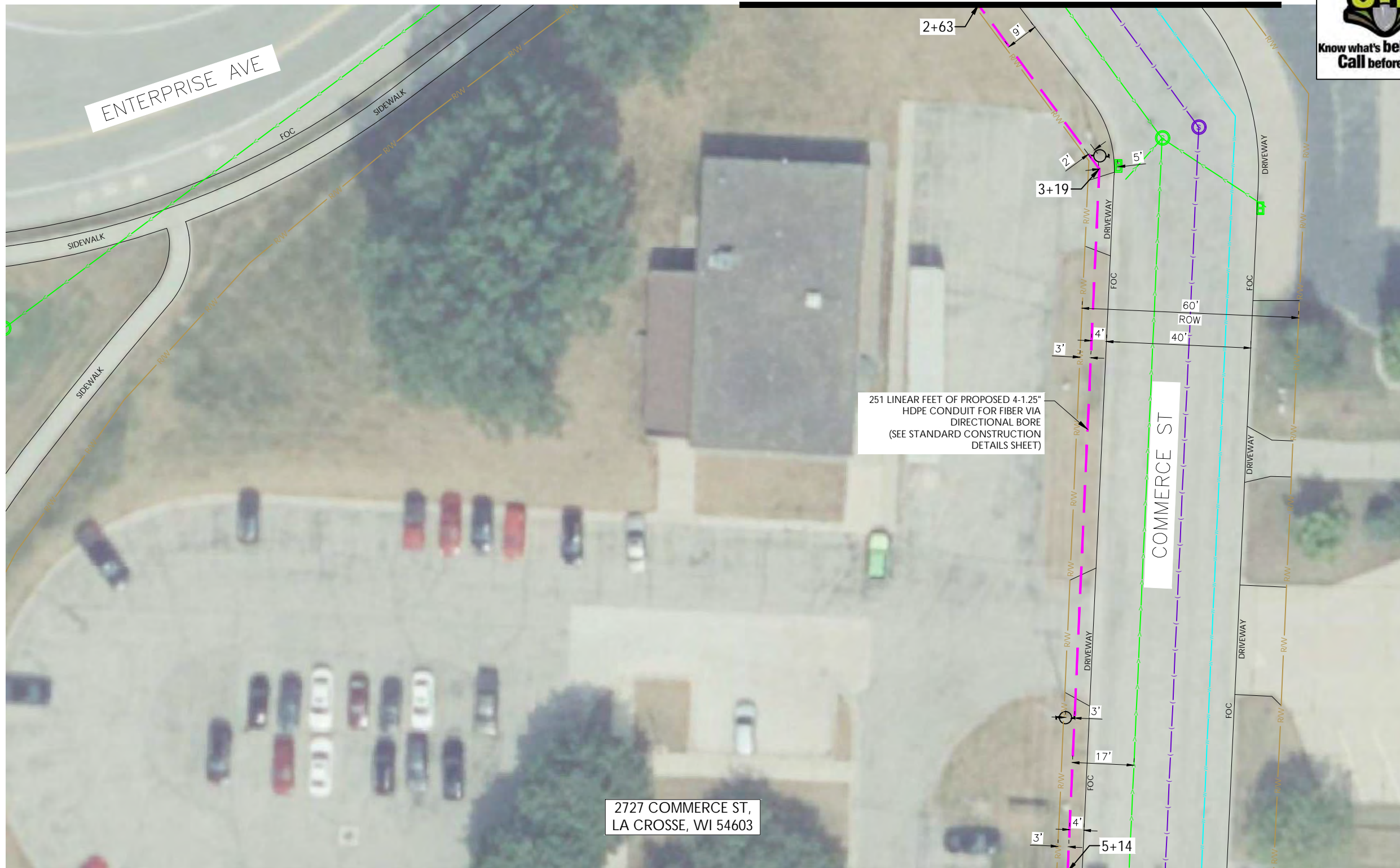
MATCHLINE — SHEET C-087



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2727 COMMERCE ST,
LA CROSSE, WI 54603

MATCHLINE — SHEET C-101

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TASK NAME
WILC038

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

SHEET SCALE
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SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-100

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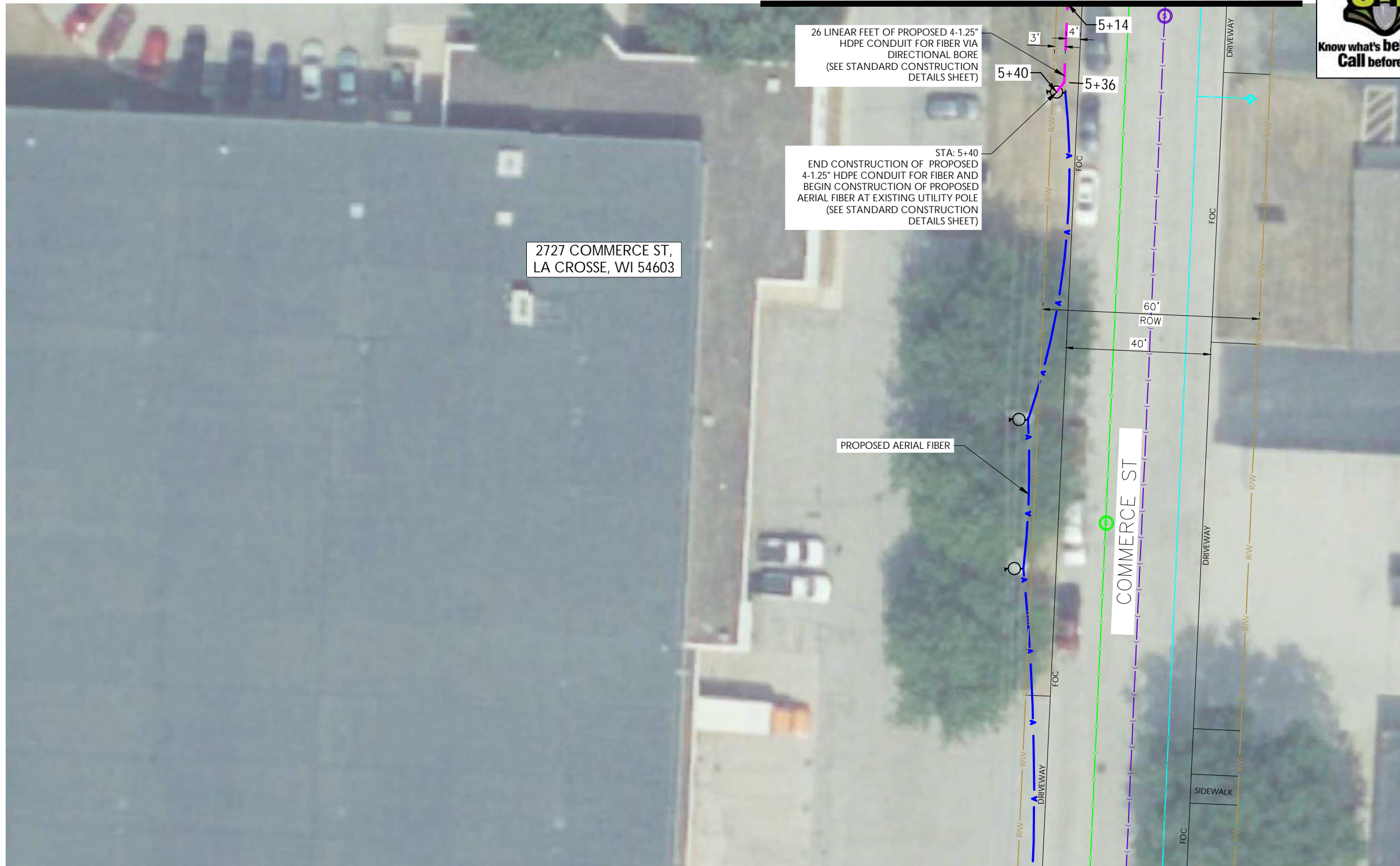
MATCHLINE - SHEET C-100



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TEL: 847-908-8400
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2727 COMMERCE ST,
LA CROSSE, WI 54603

26 LINEAR FEET OF PROPOSED 4-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

STA: 5+40 END CONSTRUCTION OF PROPOSED 4-1.25" HDPE CONDUIT FOR FIBER AND BEGIN CONSTRUCTION OF PROPOSED AERIAL FIBER AT EXISTING UTILITY POLE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

PROPOSED AERIAL FIBER

COMMERCE ST

MATCHLINE - SHEET C-102

REV	DATE	DESCRIPTION	BY
A	05/17/23	ISSUED FOR REVIEW	IK

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
WILC038

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-101

- 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.



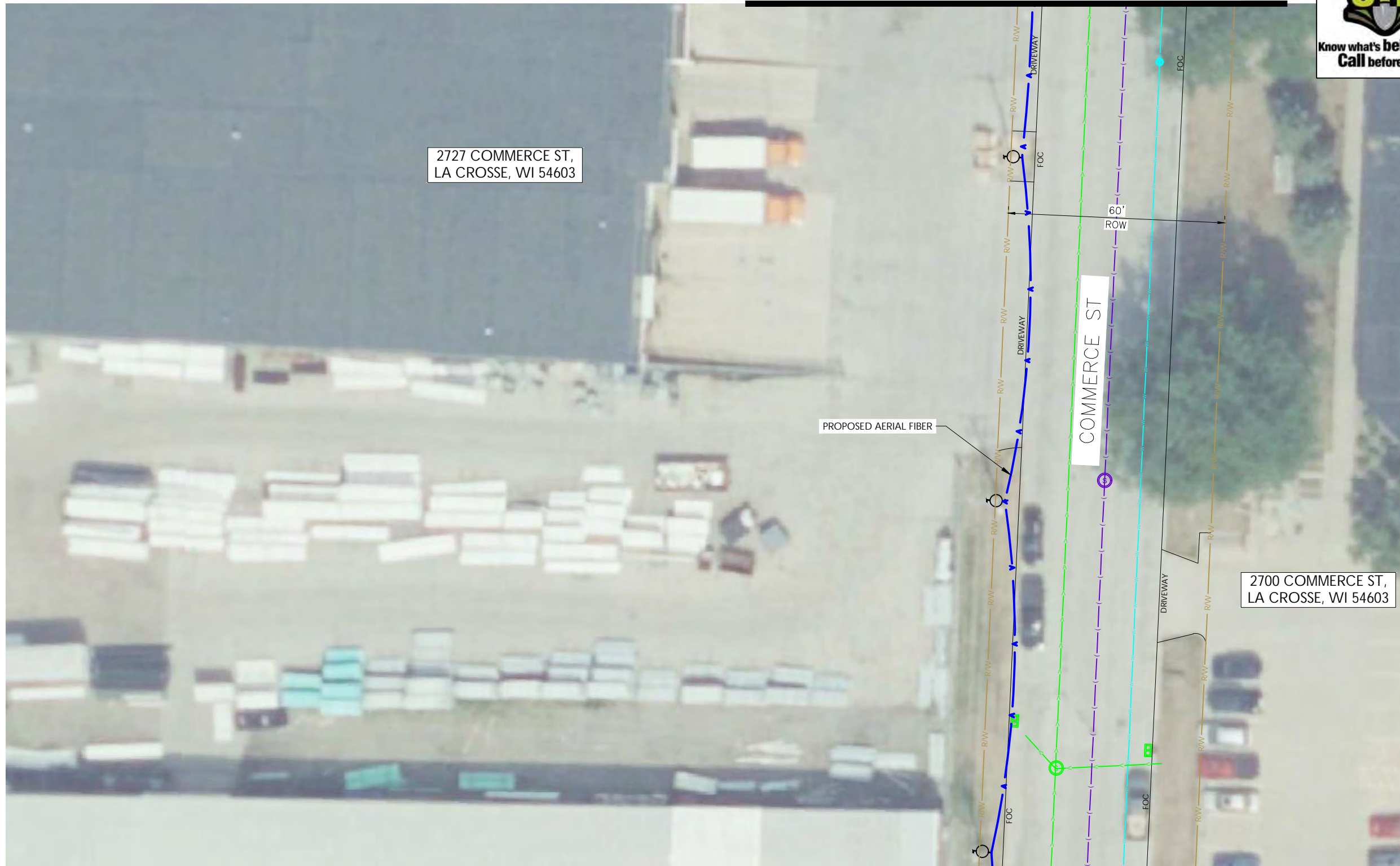
MATCHLINE - SHEET C-101



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 3701 COMMUNICATIONS WAY
 EVANSVILLE, IN, 47715



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MATCHLINE - SHEET C-103

REV	DATE	DESCRIPTION	BY
A	05/17/23	ISSUED FOR REVIEW	IK

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
WILC038

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-102

- 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-102



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MATCHLINE — SHEET C-104

REV	DATE	DESCRIPTION	BY
A	05/17/23	ISSUED FOR REVIEW	IK

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
WILC038

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-103

- 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-103



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PROPOSED AERIAL FIBER

COMMERCE ST

2541 COMMERCE ST,
 LA CROSSE, WI 54603

MATCHLINE — SHEET C-105

REV	DATE	DESCRIPTION	BY
A	05/17/23	ISSUED FOR REVIEW	IK

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
WILC038

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-104

- 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.



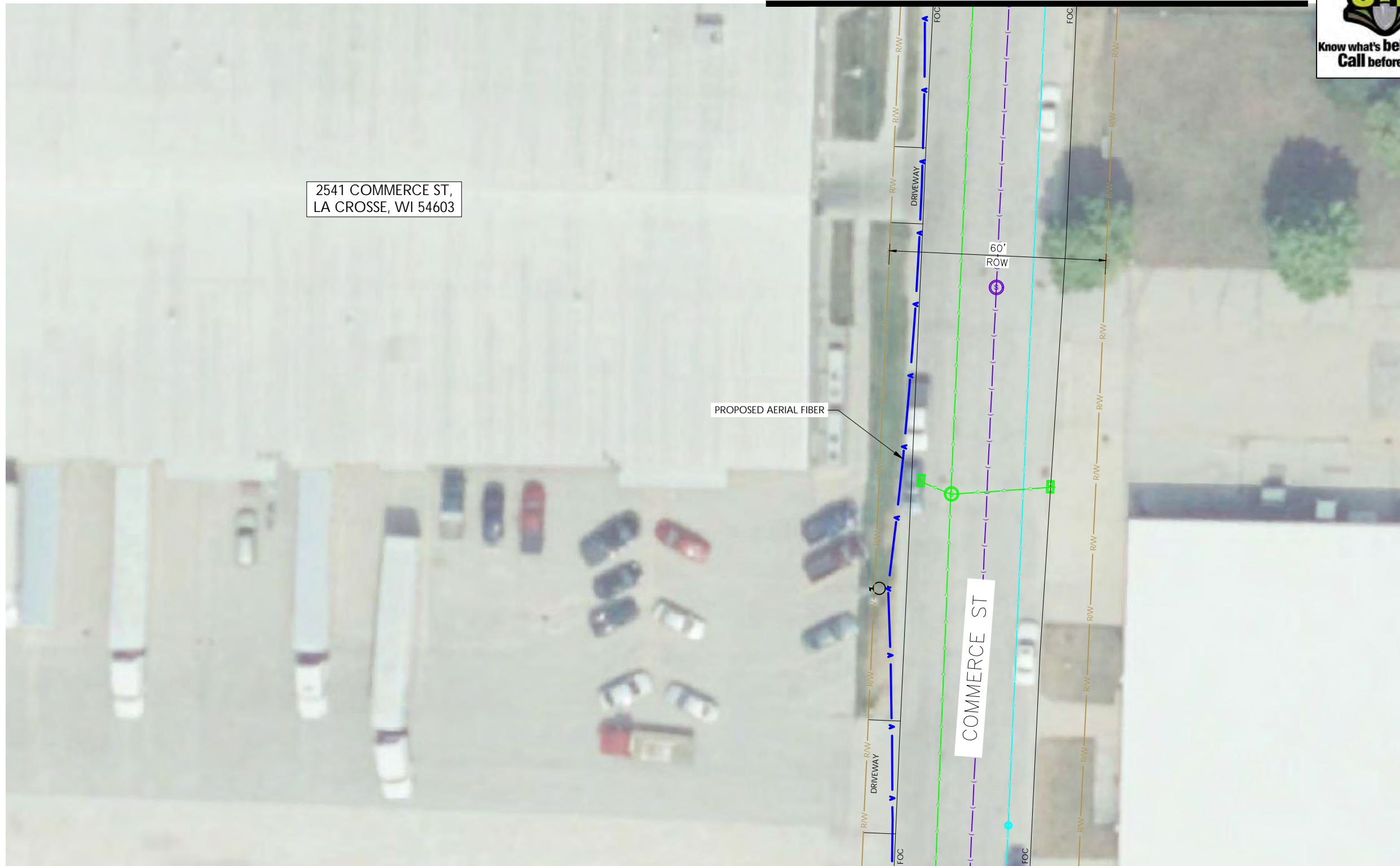
MATCHLINE - SHEET C-104



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MATCHLINE - SHEET C-106

REV	DATE	DESCRIPTION	BY
A	05/17/23	ISSUED FOR REVIEW	IK

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
WILC038

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-105

- 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-105



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MATCHLINE — SHEET C-107

REV	DATE	DESCRIPTION	BY
A	05/17/23	ISSUED FOR REVIEW	IK

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
WILC038

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-106

- 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.



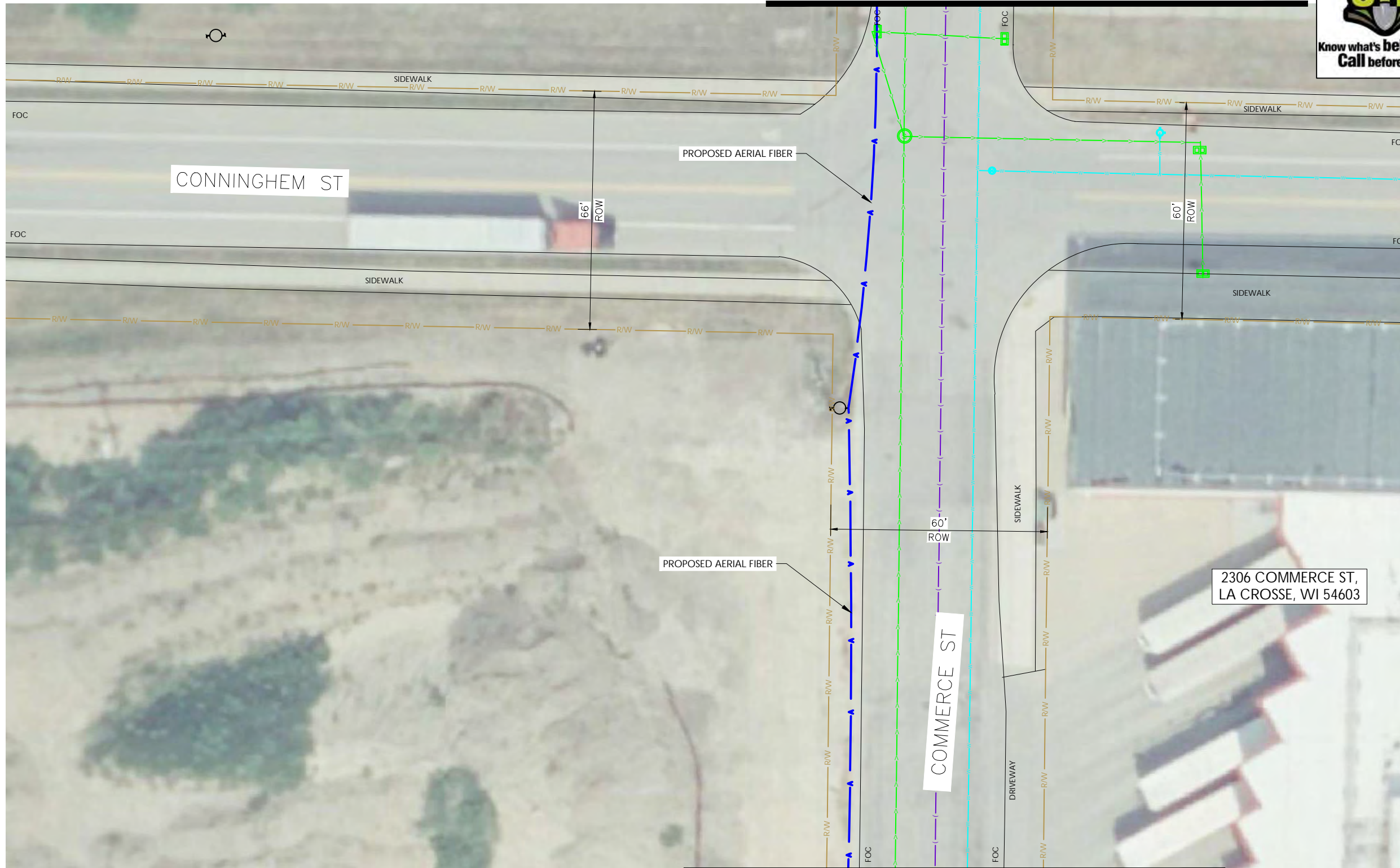
MATCHLINE - SHEET C-106



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MATCHLINE - SHEET C-108

REV	DATE	DESCRIPTION	BY
A	05/17/23	ISSUED FOR REVIEW	IK

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
WILC038

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-107

- 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:
MINIMUM CLEARANCE REQUIRED 20' ABOVE THE HIGHWAY

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-107



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MATCHLINE - SHEET C-109

REV	DATE	DESCRIPTION	BY
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TASK NAME
WILC038

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-108

- 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-108



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MATCHLINE - SHEET C-110



MATCHLINE - SHEET C-085

REV	DATE	DESCRIPTION	BY
A	05/17/23	ISSUED FOR REVIEW	IK

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TASK NAME
WILC038

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-109

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:
MINIMUM CLEARANCE REQUIRED 20' ABOVE THE HIGHWAY

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



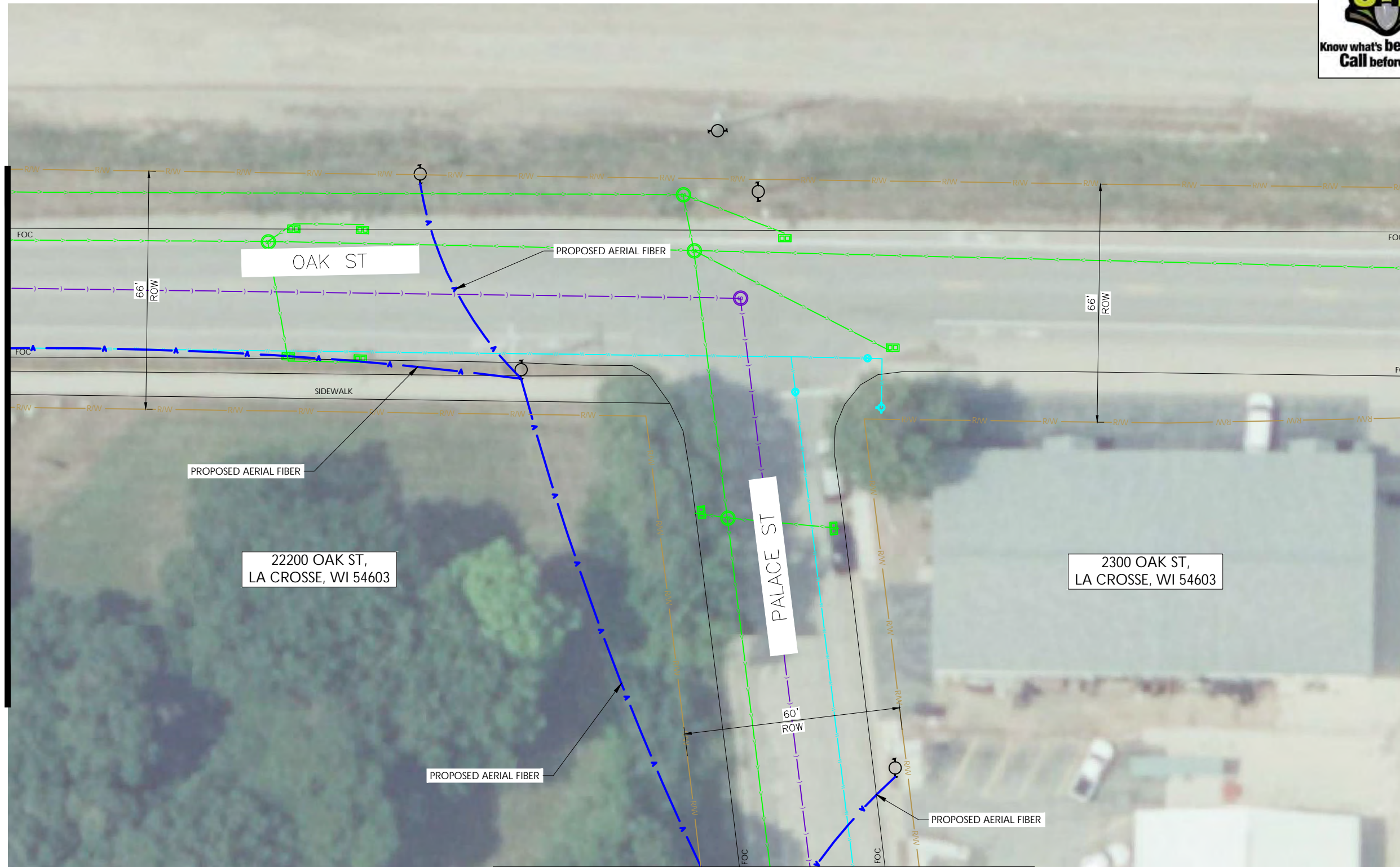


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MATCHLINE - SHEET C-111



MATCHLINE - SHEET C-109

REV	DATE	DESCRIPTION	BY
A	05/17/23	ISSUED FOR REVIEW	IK

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TASK NAME
WILC038

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-110

- 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:
 MINIMUM CLEARANCE REQUIRED 20' ABOVE THE HIGHWAY

NOTE:
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MATCHLINE - SHEET C-112



MATCHLINE - SHEET C-110

REV	DATE	DESCRIPTION	BY
A	05/17/23	ISSUED FOR REVIEW	IK

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TASK NAME
WILC038

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-111

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

NOTE:
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MATCHLINE - SHEET C-113



MATCHLINE - SHEET C-111

REV	DATE	DESCRIPTION	BY
A	05/17/23	ISSUED FOR REVIEW	IK

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
WILC038

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-112

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

NOTE:
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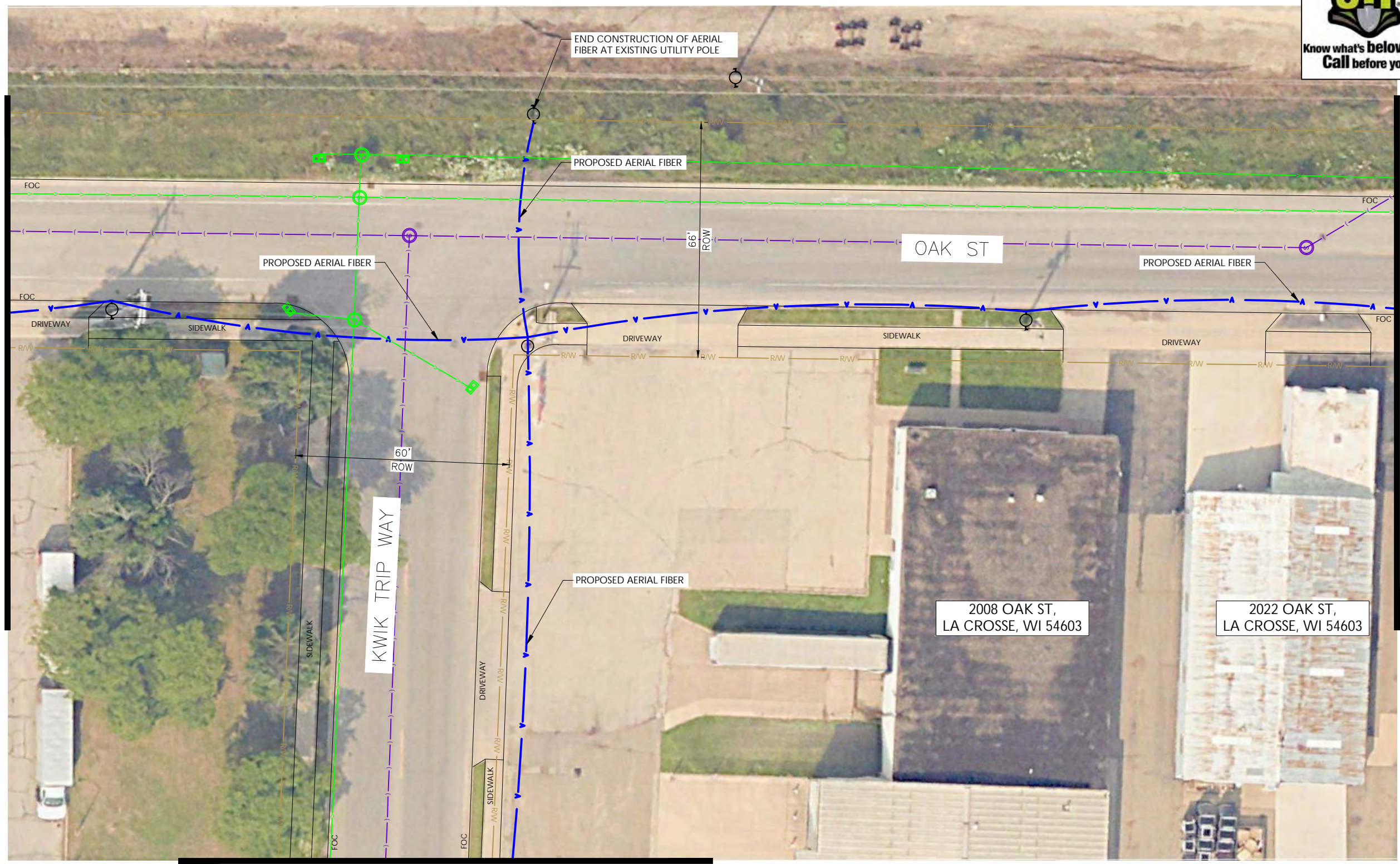
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MATCHLINE - SHEET C-118

MATCHLINE - SHEET C-112



MATCHLINE - SHEET C-114

REV	DATE	DESCRIPTION	BY
A	05/17/23	ISSUED FOR REVIEW	IK

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
WILC038

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-113

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:
 MINIMUM CLEARANCE REQUIRED 20' ABOVE THE HIGHWAY

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-113



MATCHLINE - SHEET C-115



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REV	DATE	DESCRIPTION	BY
A	05/17/23	ISSUED FOR REVIEW	IK

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TASK NAME
WILC038

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-114

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

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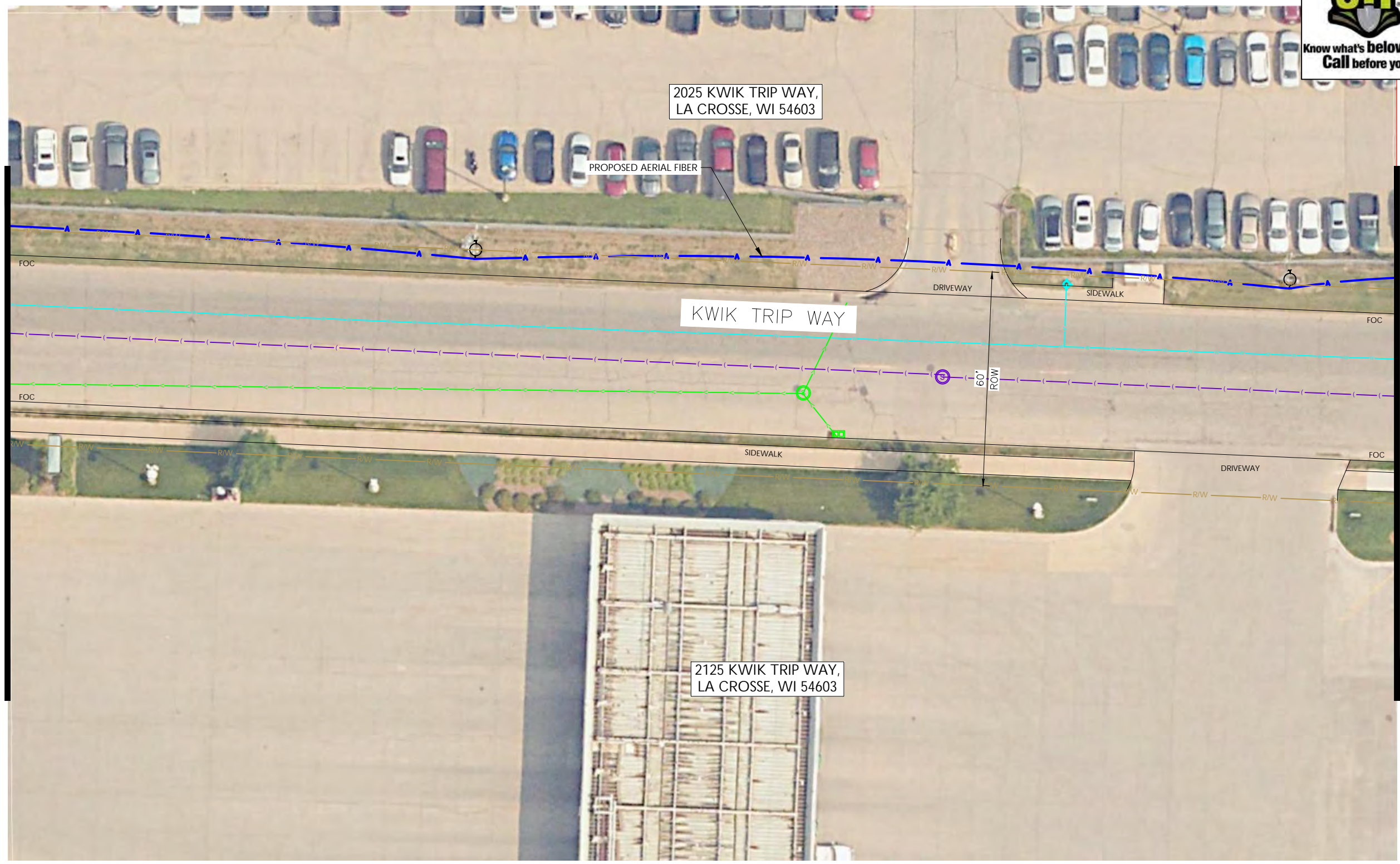




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MATCHLINE - SHEET C-114

MATCHLINE - SHEET C-116

REV	DATE	DESCRIPTION	BY
A	05/17/23	ISSUED FOR REVIEW	IK

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TASK NAME
WILC038

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
 LACROSSE, WI, USA

SHEET SCALE
 1" = 30'-0"

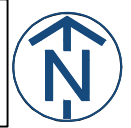
SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-115

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

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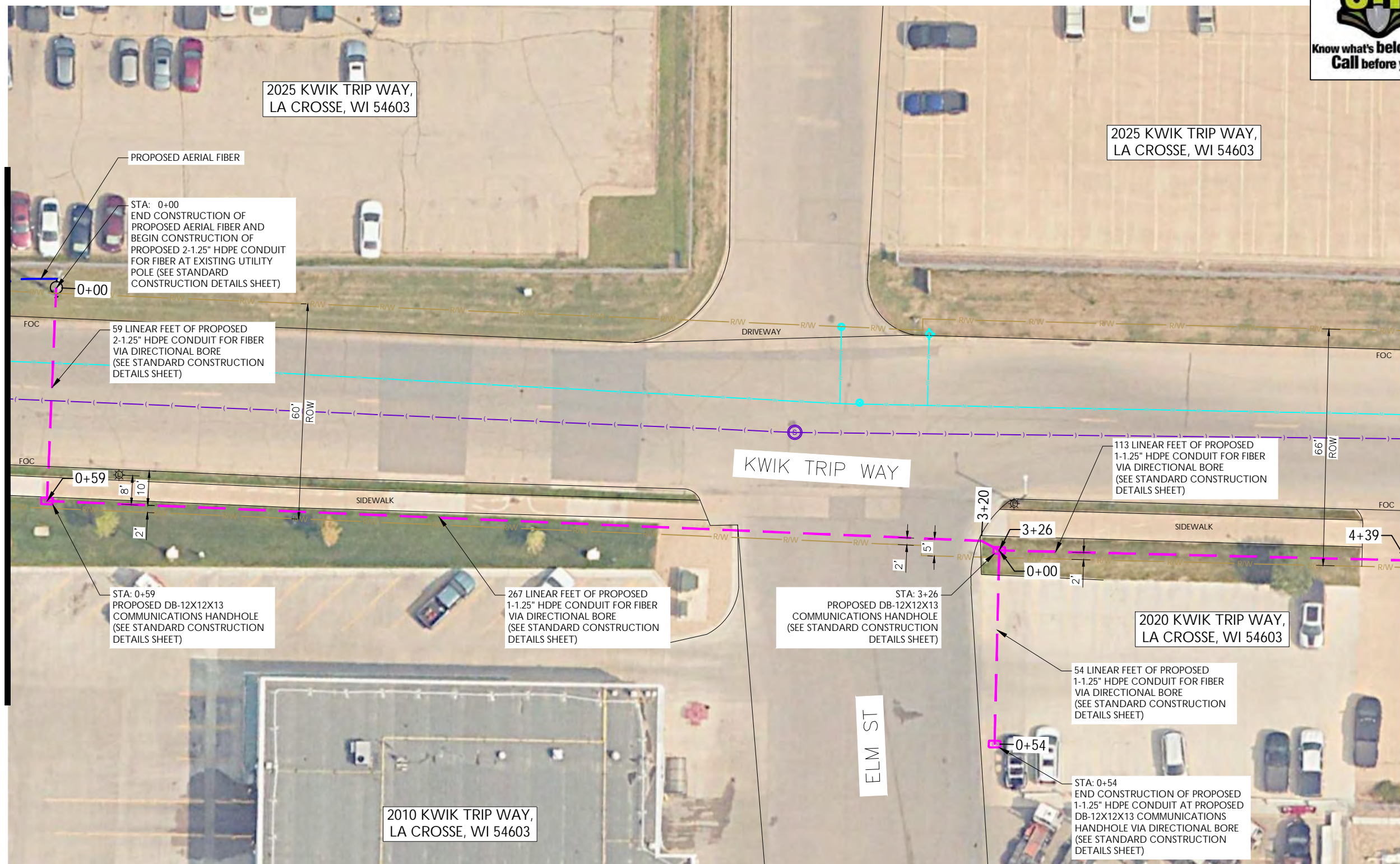
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SCHAUMBURG, ILLINOIS 60173
TEL: 847-908-8400
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MATCHLINE - SHEET C-115

MATCHLINE - SHEET C-117



REV	DATE	DESCRIPTION	BY
A	05/17/23	ISSUED FOR REVIEW	IK

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
WILC038

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

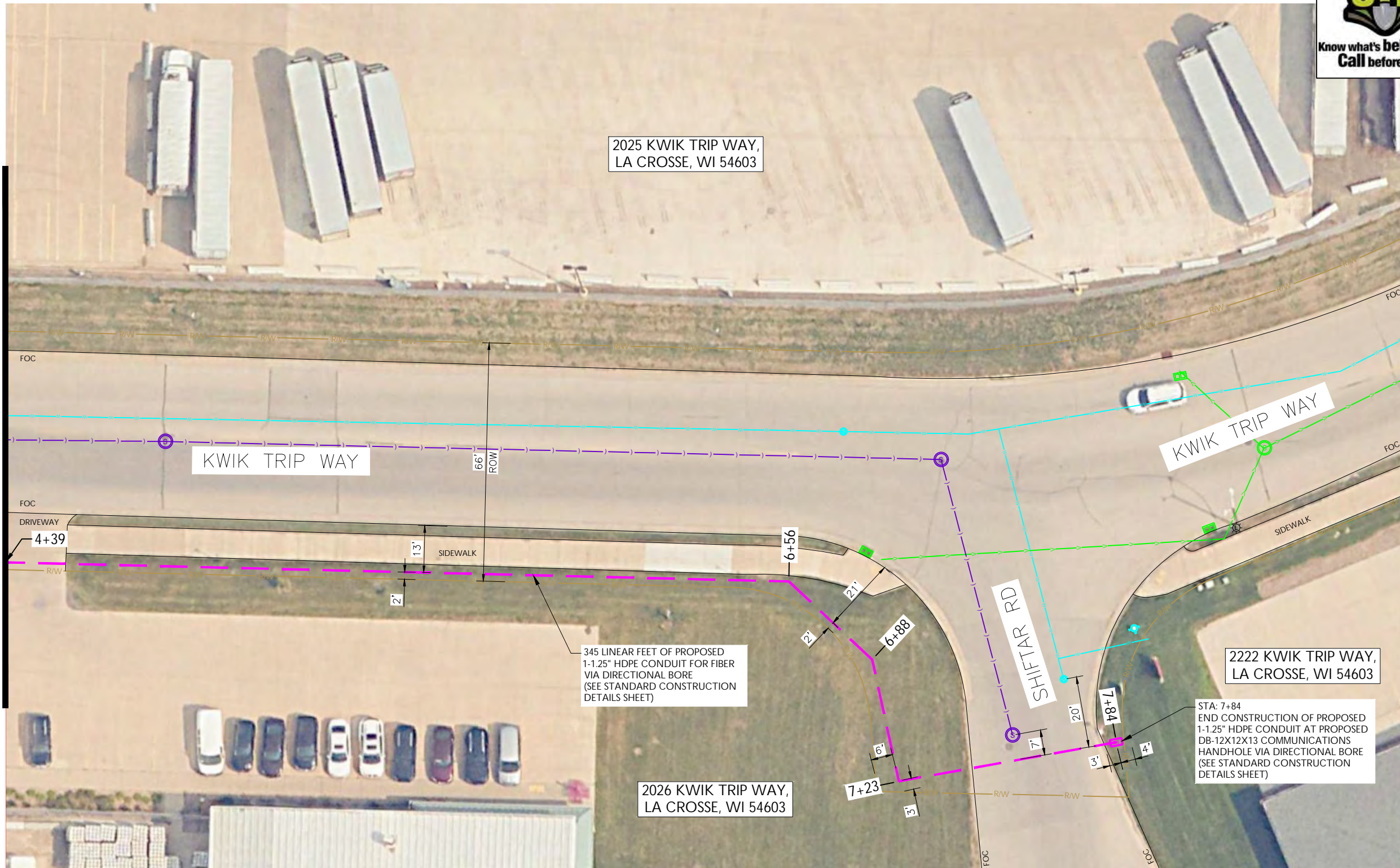
SHEET NUMBER
C-116

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

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MATCHLINE - SHEET C-116



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TASK NAME
WILC038

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-117

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

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





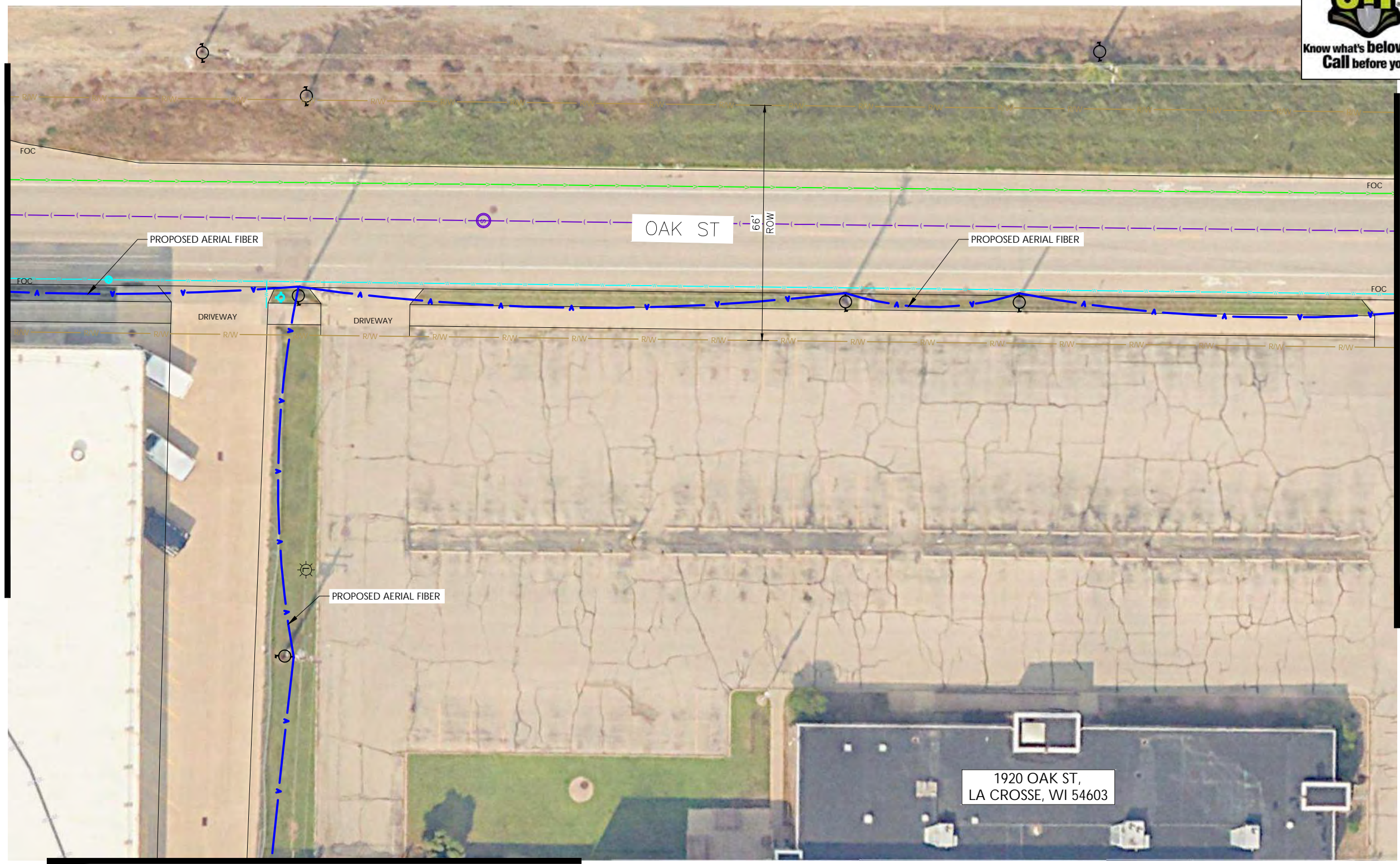
metronet
3701 COMMUNICATIONS WAY
EVANSVILLE, IN, 47715



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

MATCHLINE - SHEET C-121

MATCHLINE - SHEET C-113



MATCHLINE - SHEET C-119

REV	DATE	DESCRIPTION	BY
A	05/17/23	ISSUED FOR REVIEW	IK

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TASK NAME
WILC038

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-118

NOTE:
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NOTE:
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MATCHLINE - SHEET C-118



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TASK NAME
WILC038

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-119

MATCHLINE - SHEET C-120

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:
MINIMUM CLEARANCE REQUIRED 20' ABOVE THE HIGHWAY

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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TASK NAME
WILC038

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-120

NOTE:
 · PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS
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NOTE:
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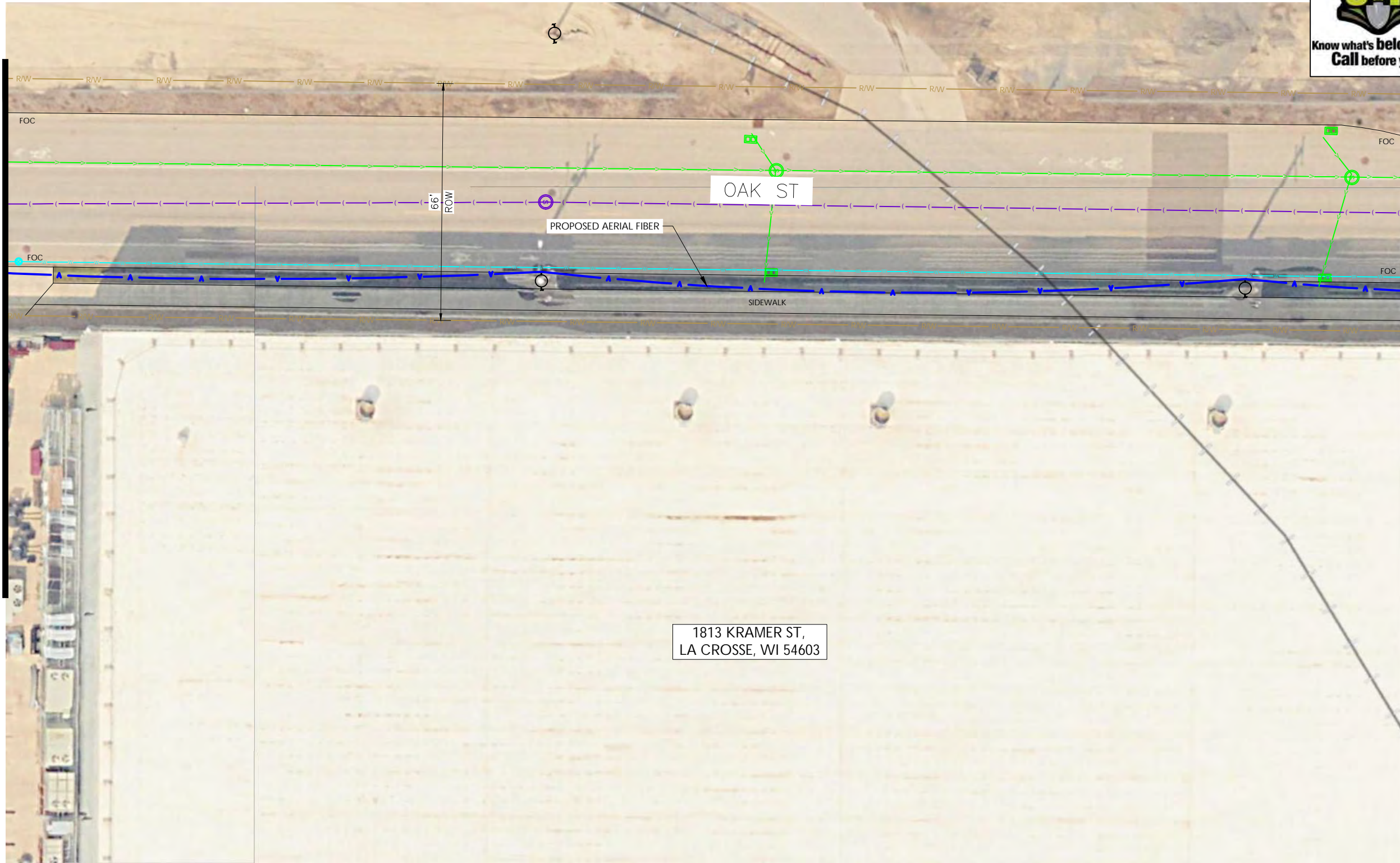


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MATCHLINE - SHEET C-122



MATCHLINE - SHEET C-118

REV	DATE	DESCRIPTION	BY
A	05/17/23	ISSUED FOR REVIEW	IK

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
WILC038

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

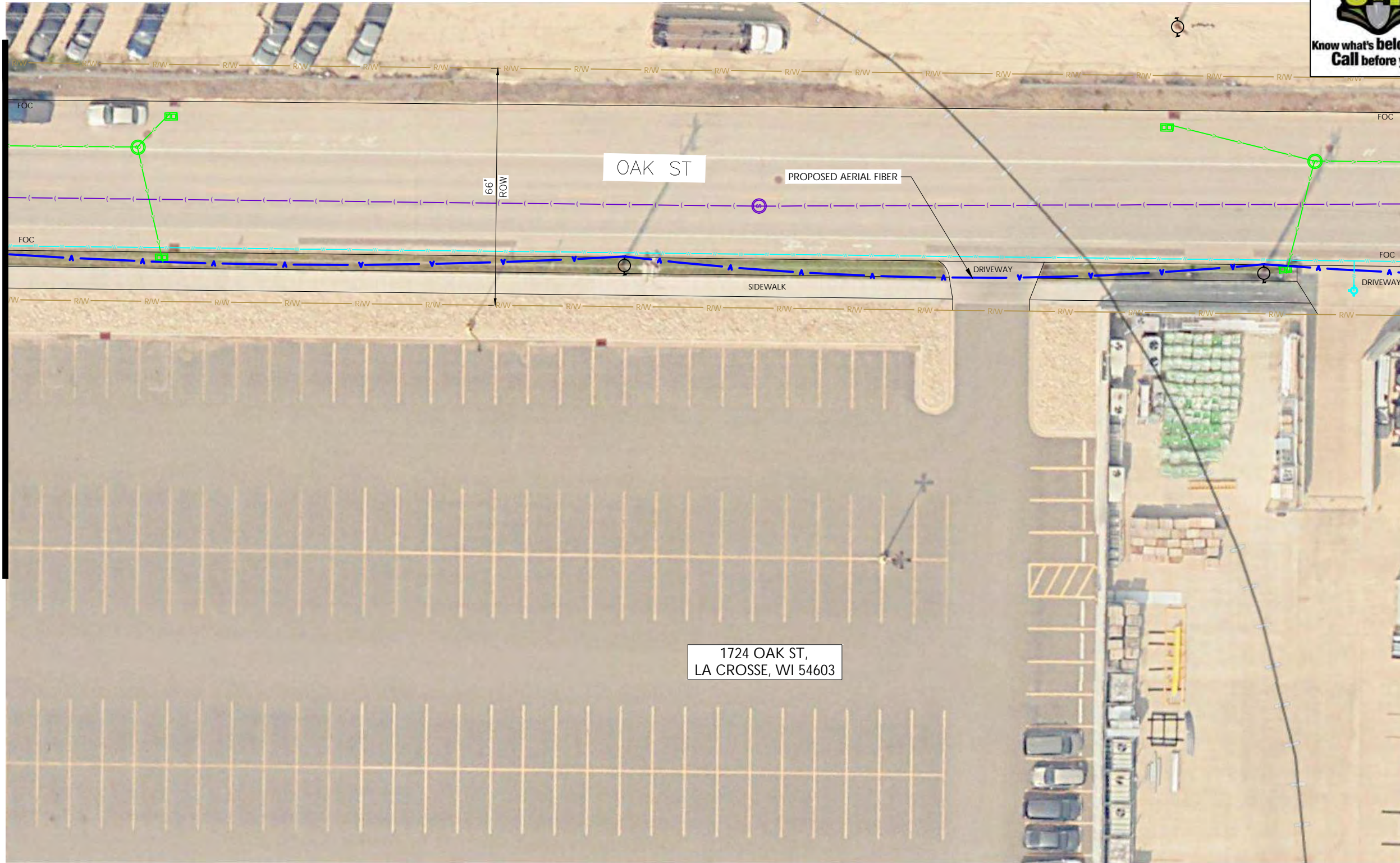
SHEET NUMBER
C-121

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-123



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MATCHLINE - SHEET C-121

REV	DATE	DESCRIPTION	BY
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TASK NAME
WILC038

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

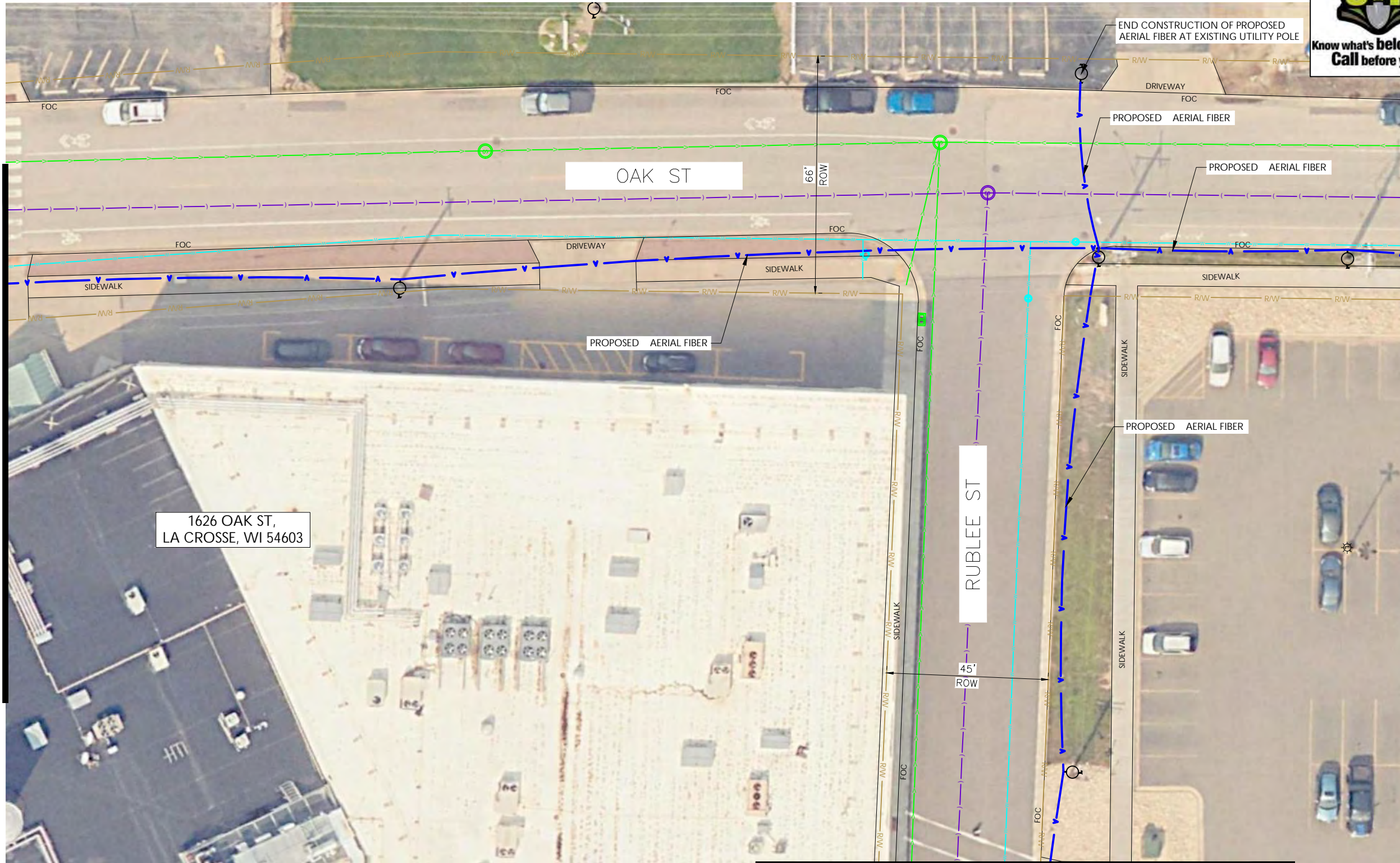
SHEET NUMBER
C-122

NOTE:
 · PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS
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NOTE:
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MATCHLINE - SHEET C-126



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MATCHLINE - SHEET C-122

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TASK NAME
WILC038

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-123

MATCHLINE - SHEET C-124

- 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:
 MINIMUM CLEARANCE REQUIRED 20' ABOVE THE HIGHWAY

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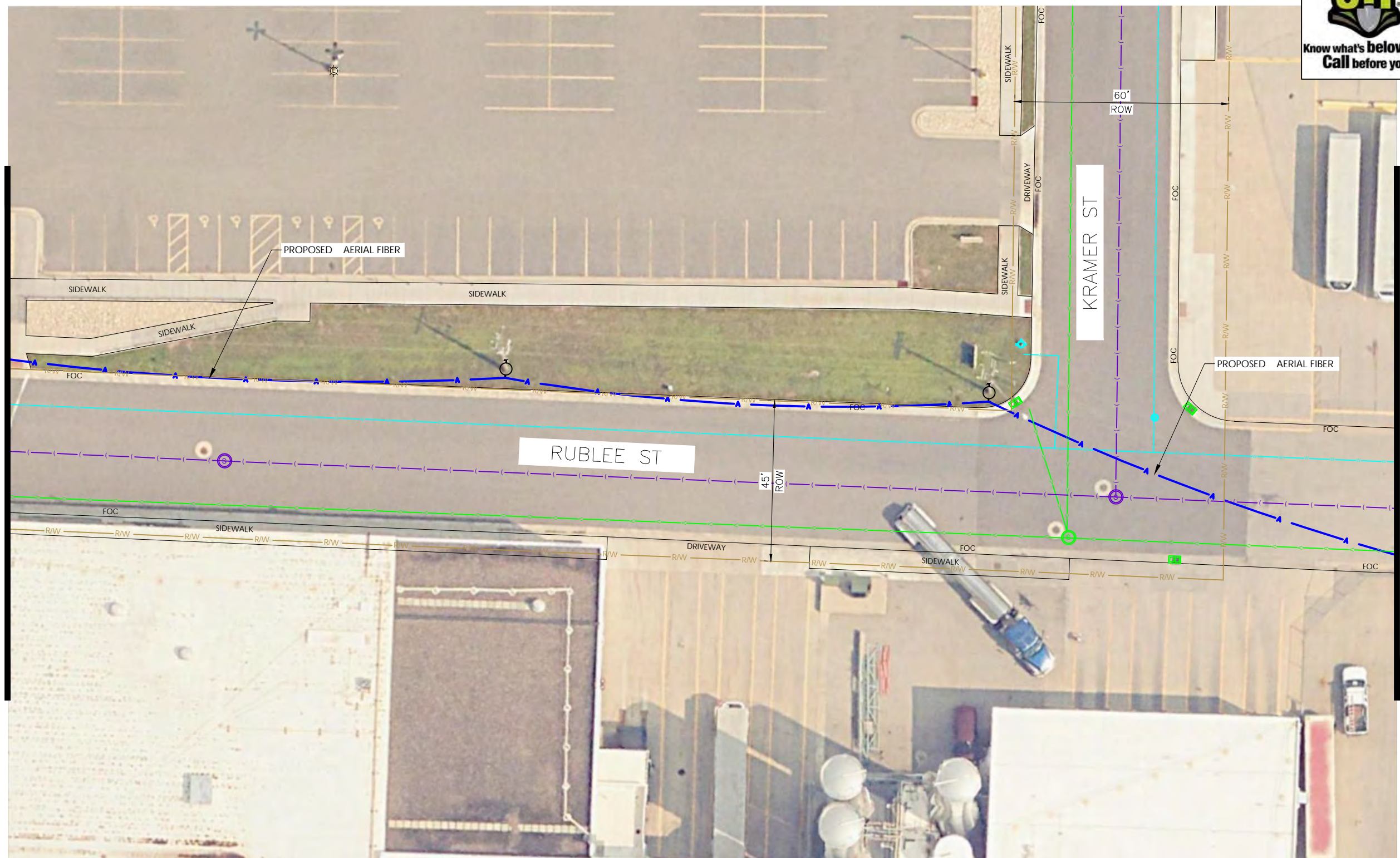
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MATCHLINE - SHEET C-123

MATCHLINE - SHEET C-125



REV	DATE	DESCRIPTION	BY
A	05/17/23	ISSUED FOR REVIEW	IK

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TASK NAME
WILC038

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
 LACROSSE, WI, USA

SHEET SCALE
 1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

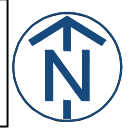
GRID NUMBER

SHEET NUMBER
C-124

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

NOTE:
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NOTE:
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MATCHLINE - SHEET C-124



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TASK NAME
WILC038

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

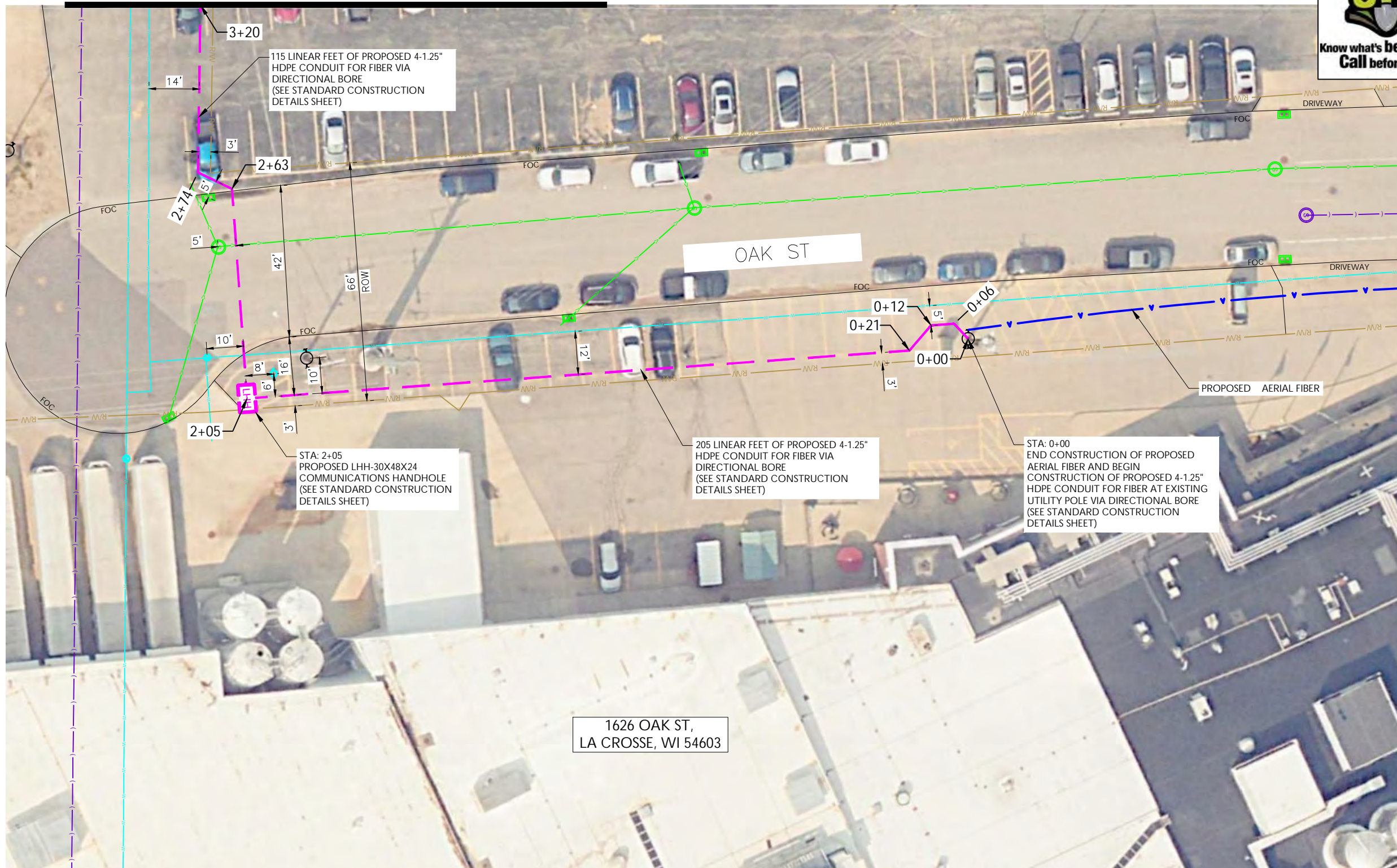
GRID NUMBER

SHEET NUMBER
C-125

- NOTE:
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MATCHLINE - SHEET C-123

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TASK NAME
WILC038

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-126

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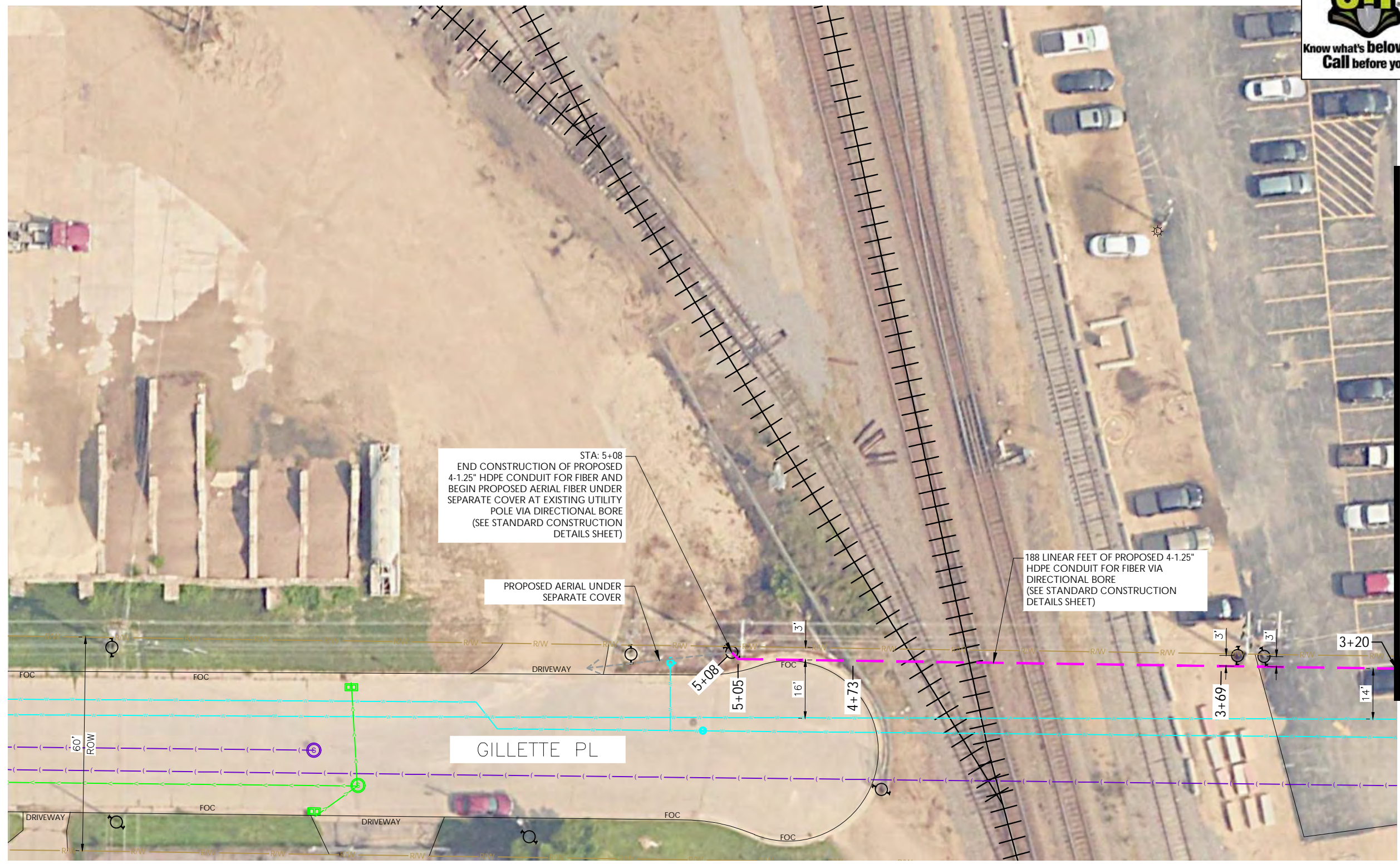




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MATCHLINE - SHEET C-126

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WILC038

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

SHEET SCALE
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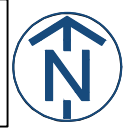
SHEET TITLE
DESIGN LAYOUT

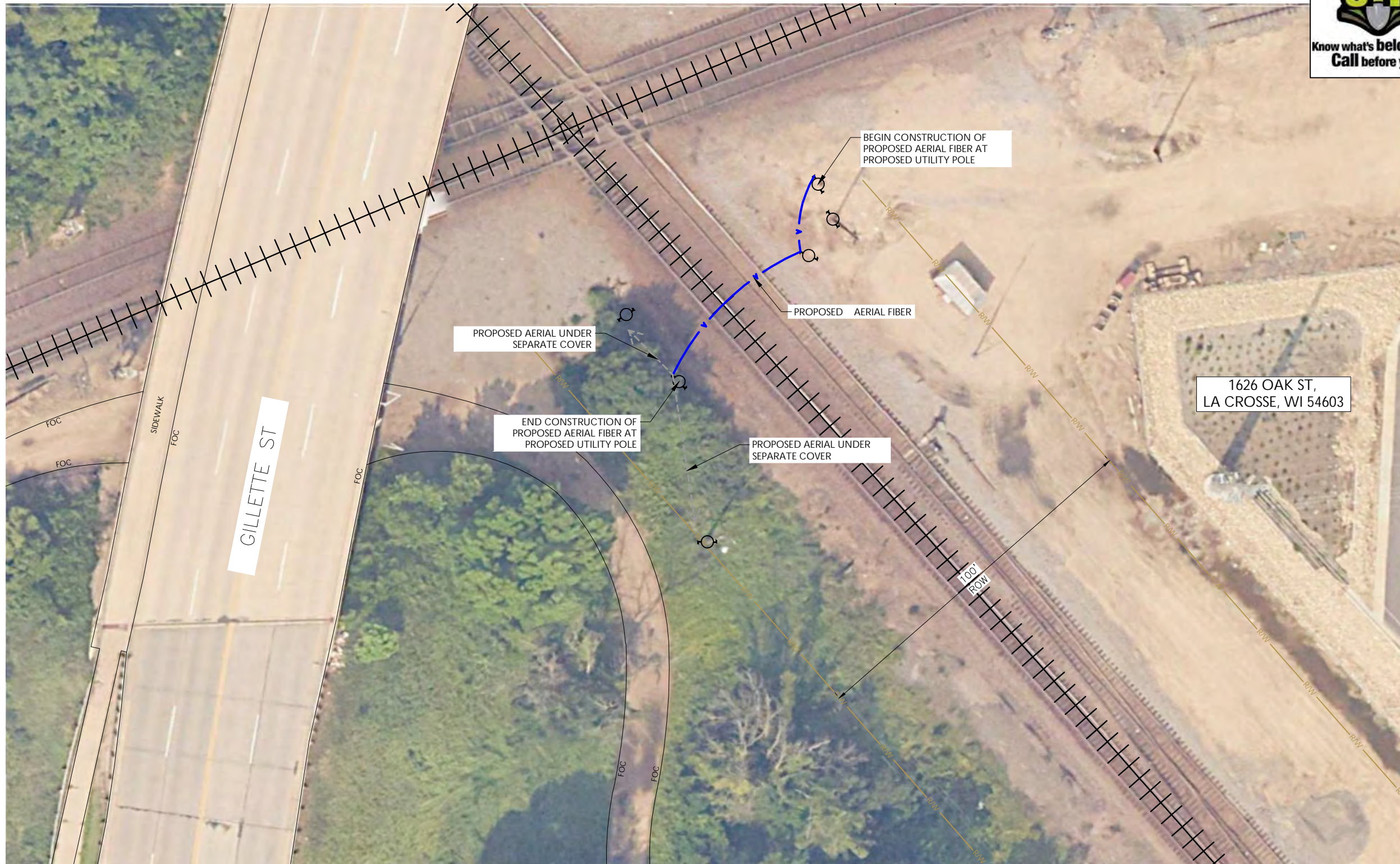
GRID NUMBER

SHEET NUMBER
C-127

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TASK NAME
WILC038

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-128

NOTE:
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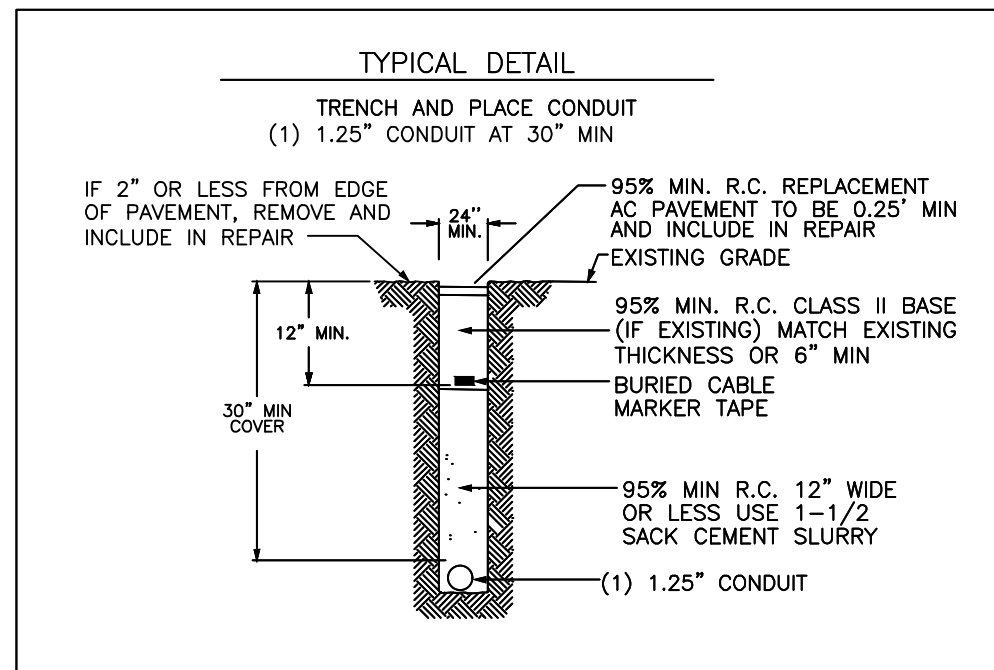
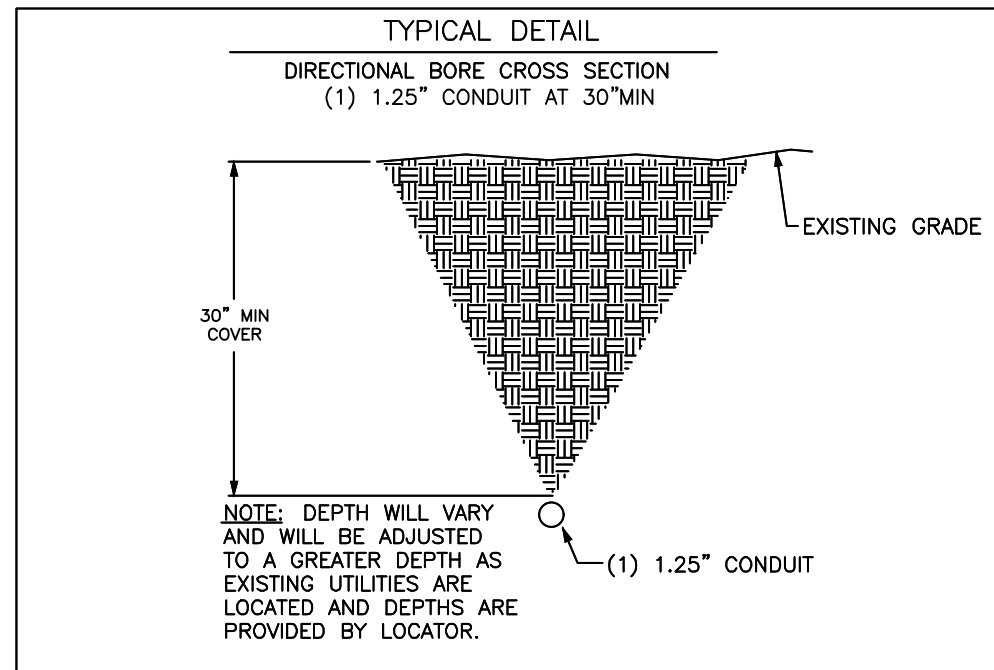


ADDITIONAL NOTES:

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

PUBLIC UTILITY NOTE:

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



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TASK NAME
WILC038

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
 LACROSSE, WI, USA

SHEET SCALE
 N.T.S.

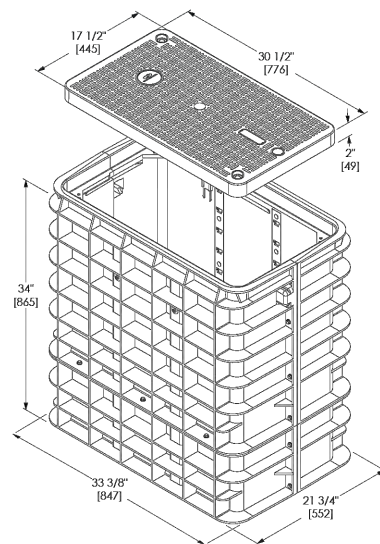
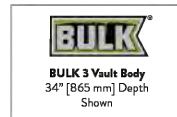
SHEET TITLE
DETAILS

GRID NUMBER

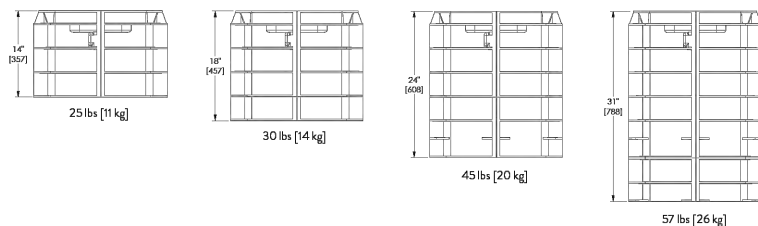
SHEET NUMBER
D-1

BODY SPECIFICATIONS

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

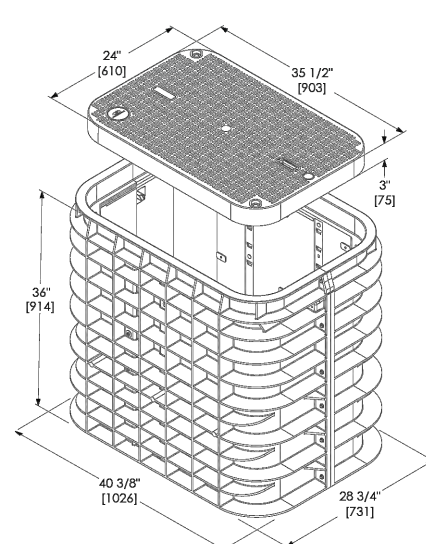
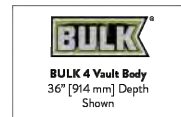


ADDITIONAL BODY DEPTHS

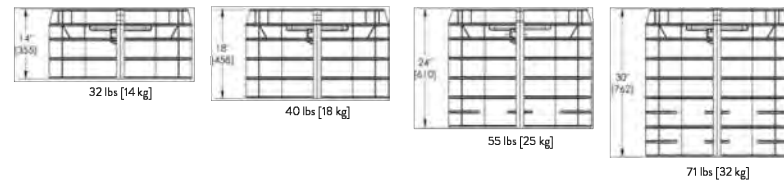


BODY SPECIFICATIONS

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

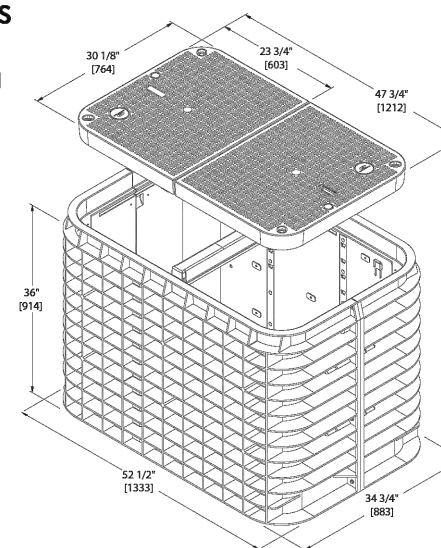
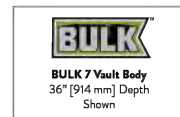


ADDITIONAL BODY DEPTHS

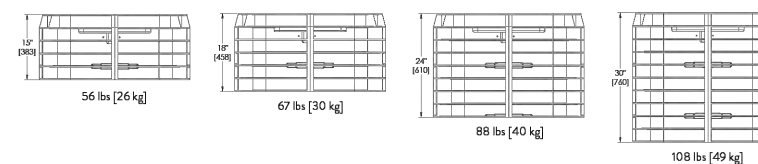


BODY SPECIFICATIONS

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



ADDITIONAL BODY DEPTHS



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TASK NAME

WILC038

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

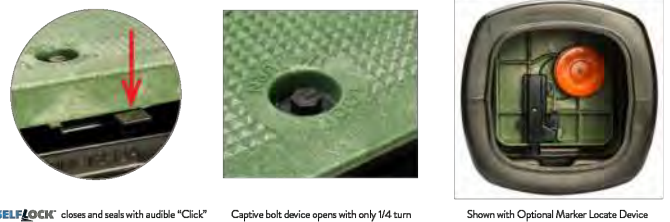
The New Signature Series SGLB High Density Polyethylene (HDPE) grade level box line come standard with Logo Disk and the Patented **SELFLOCK** automatic locking mechanism.

FEATURES

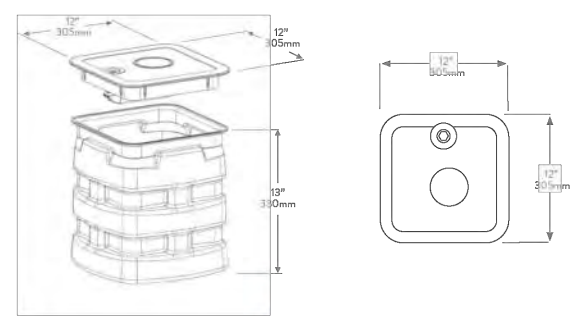
- 13" (330mm) Depth
- No bolts to be lost, misplaced, or not installed back into the unit

- 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 be 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
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040822 FRT

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



SELFLOCK

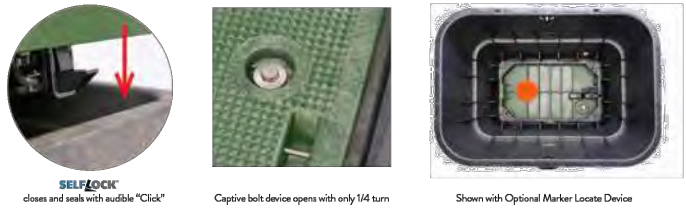
The Signature Series SGLB-2 High Density Polyethylene (HDPE) grade level box line comes standard with Customizable Logo Disk and the Patented **SELFLOCK** automatic locking mechanism.

FEATURES

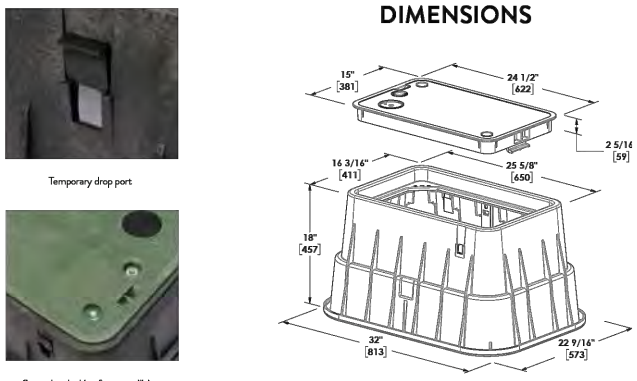
- Designed for Greenbelt/Pedestrian applications
- Captive bolt device, that opens with a ¼ turn

- 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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022634

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

REV	DATE	DESCRIPTION	BY
A	05/17/23	ISSUED FOR REVIEW	IK

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
WILC038

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 USP 15.
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 BELOW TO ALLOW COVER TO BLOW DOWN AND AROUND THE LIFTING LUGS/BODS WHICH WILL SERVE AS DOWELS INTO THE FINISHED CONCRETE SLAB.

ADA REQUIREMENTS:

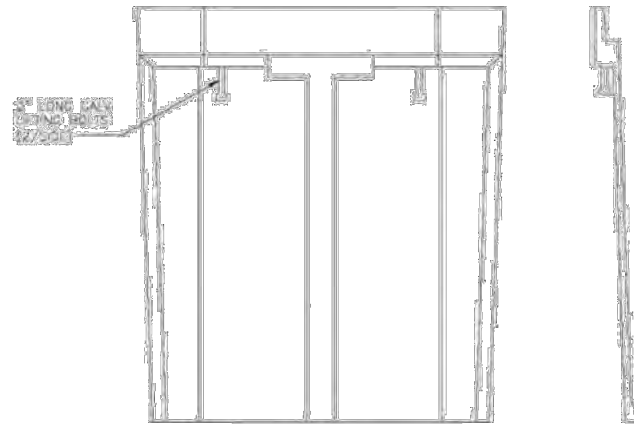
SURFACE LEVEL CRITERIA: NO HEIGHT DIFFERENTIALS WITH A SLP GREATER THAN 1% IN HEIGHT. EXCEPTIONS: A HEIGHT DIFFERENTIAL BETWEEN 3" AND 1/2" IS ACCEPTABLE IF IT IS HEAVED AT A 2% SLOPE, OR A HEIGHT DIFFERENTIAL GREATER THAN 1/2" IS ACCEPTABLE IF IT IS HEAVED WITH A SLOPE OF 8.33% (1/12%) OR LESS.

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

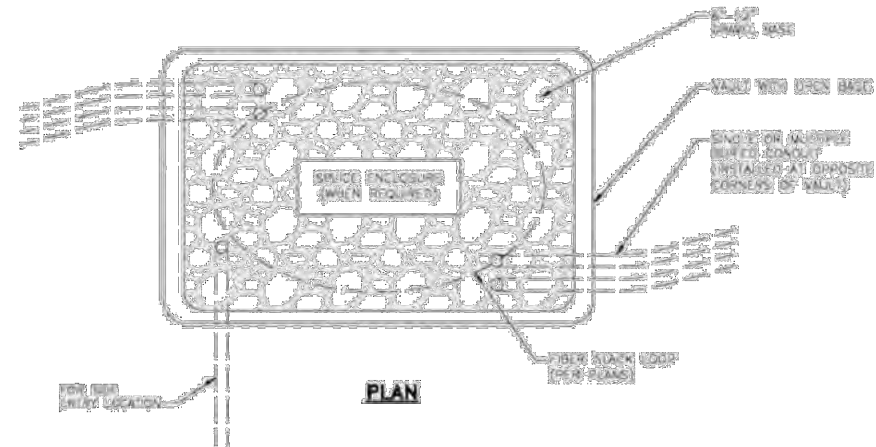
HOT HOLES FOR GRID COVERS: SHALL NOT HAVE AN OPENING GREATER THAN 1/2". PLUGGING OF HOLES GREATER THAN 3/4" WITH A MATERIAL APPROVED BY THE ENGINEER IS ACCEPTABLE AS LONG AS IT IS FLUSH WITH THE COVER SURFACE.

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

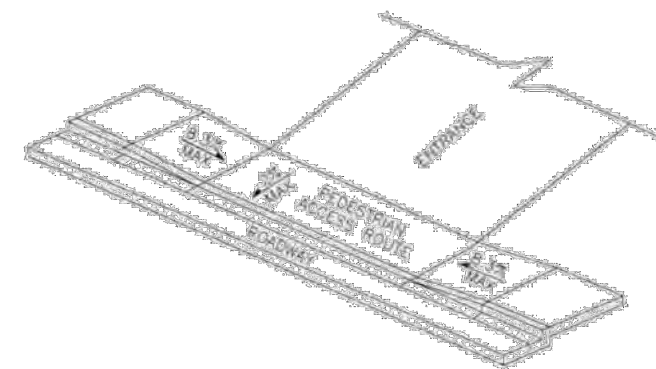
- 1. THE WALKWAY IS AT MINIMUM 3' WIDE.
- 2. CROSS SLOPE OF WALKWAY IS 2% OR LESS.
- 3. WALKWAY IS AT THE SAME GRADE AS THE ADJACENT ROADWAY.
- 4. THE WALKWAY DOES NOT HAVE TO BE MARKED, BUT PROVIDES A STRAIGHT LINE BETWEEN THE ADJOINING SIDEWALKS OR RAMPS.
- 5. THERE IS NOT AN ABRUPT TRANSITION FROM THE DRIVEWAY TO THE ROADWAY FOR VEHICLES, I.E. VEHICLES WILL NOT BOTTOM OUT WHEN DRIVING OVER THE TRANSITION.



SIDE VIEW



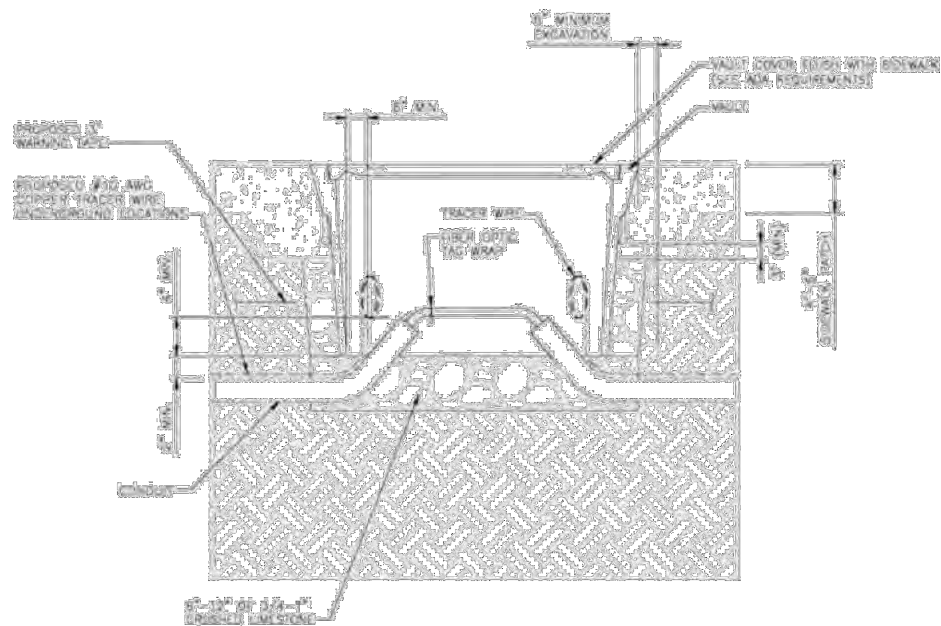
PLAN



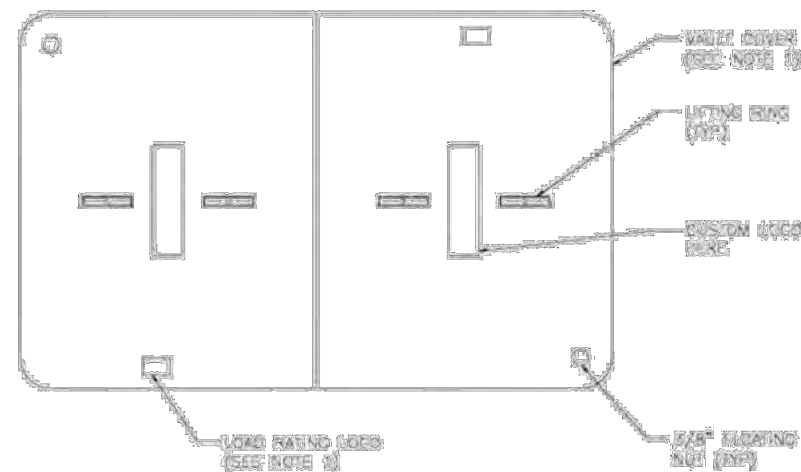
PEDESTRIAN ACCESS ROUTE

NOTE:

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



VAULT W/ BOTTOM ENTRY



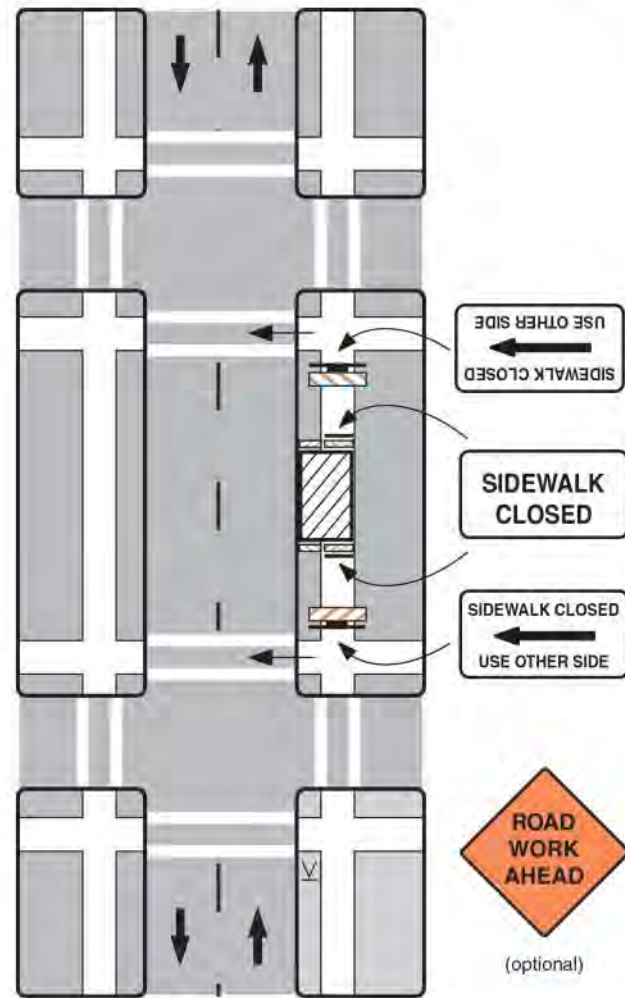
VAULT LID

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A	05/17/23	ISSUED FOR REVIEW	IK

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TASK NAME	WILC038
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

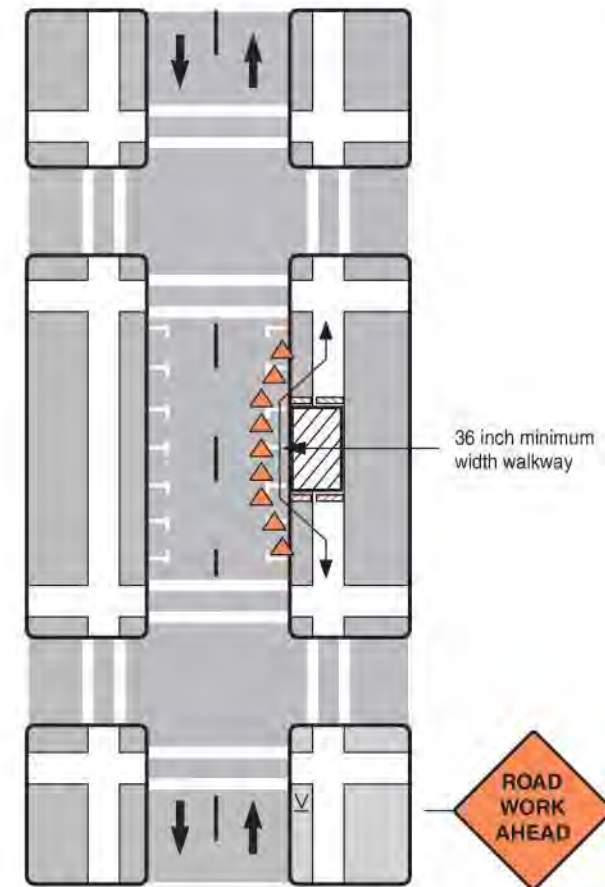
**Sidewalk Closure
(Pedestrian Detour)**



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.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).

metronet

3701 COMMUNICATIONS WAY
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TASK NAME

WILC038

TASK DESCRIPTION

**FIBER OPTIC CONDUIT
PLACEMENT**

PROJECT AREA

LACROSSE, WI, USA

SHEET SCALE

N.T.S.

SHEET TITLE

**TRAFFIC CONTROL
STANDARD DETAILS**

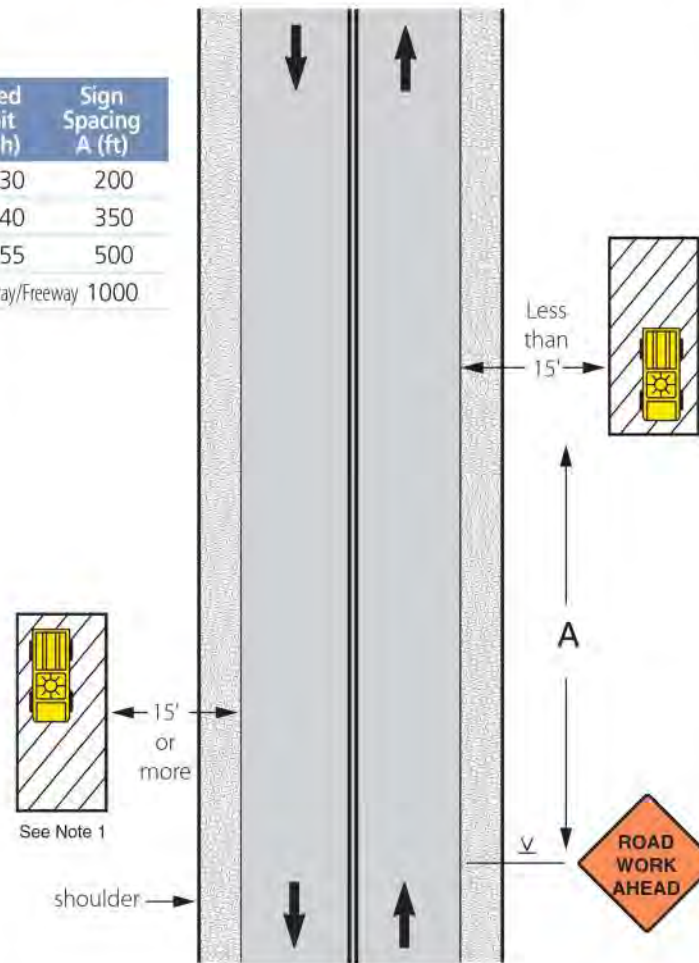
GRID NUMBER

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

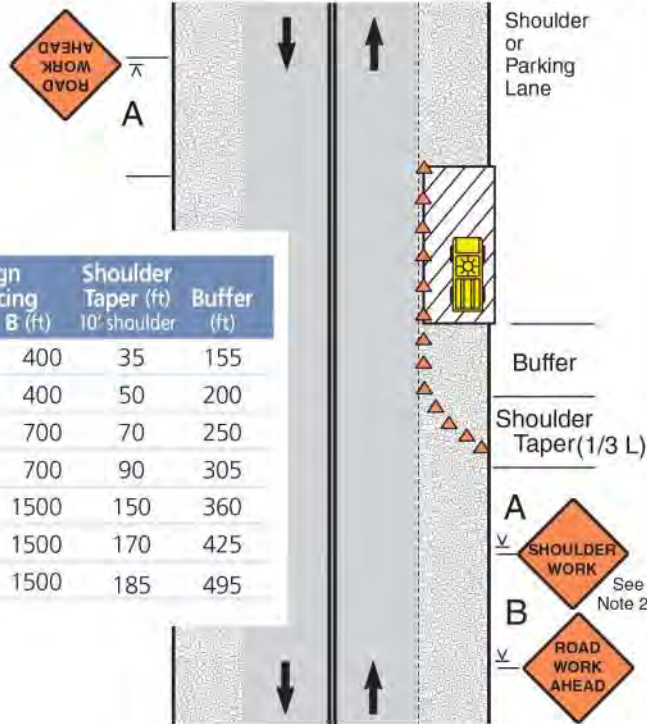


Notes

- 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

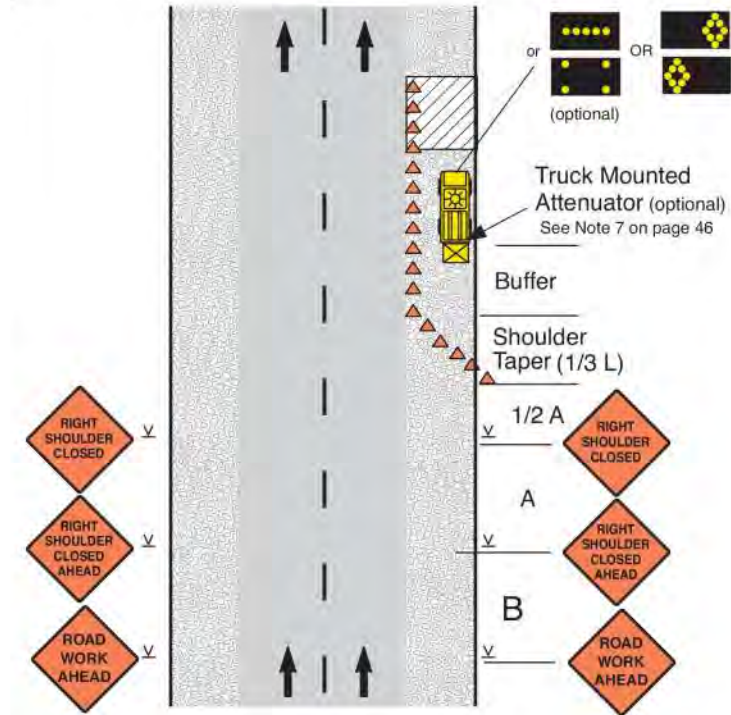
Speed Limit (mph)	Sign Spacing A (ft)	Sign Spacing B (ft)	Shoulder Taper (ft) 10' shoulder	Buffer (ft)
25	200	400	35	155
30	200	400	50	200
35	350	700	70	250
40	350	700	90	305
45	500	1500	150	360
50	500	1500	170	425
55	500	1500	185	495



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

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TASK NAME
WILC038

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

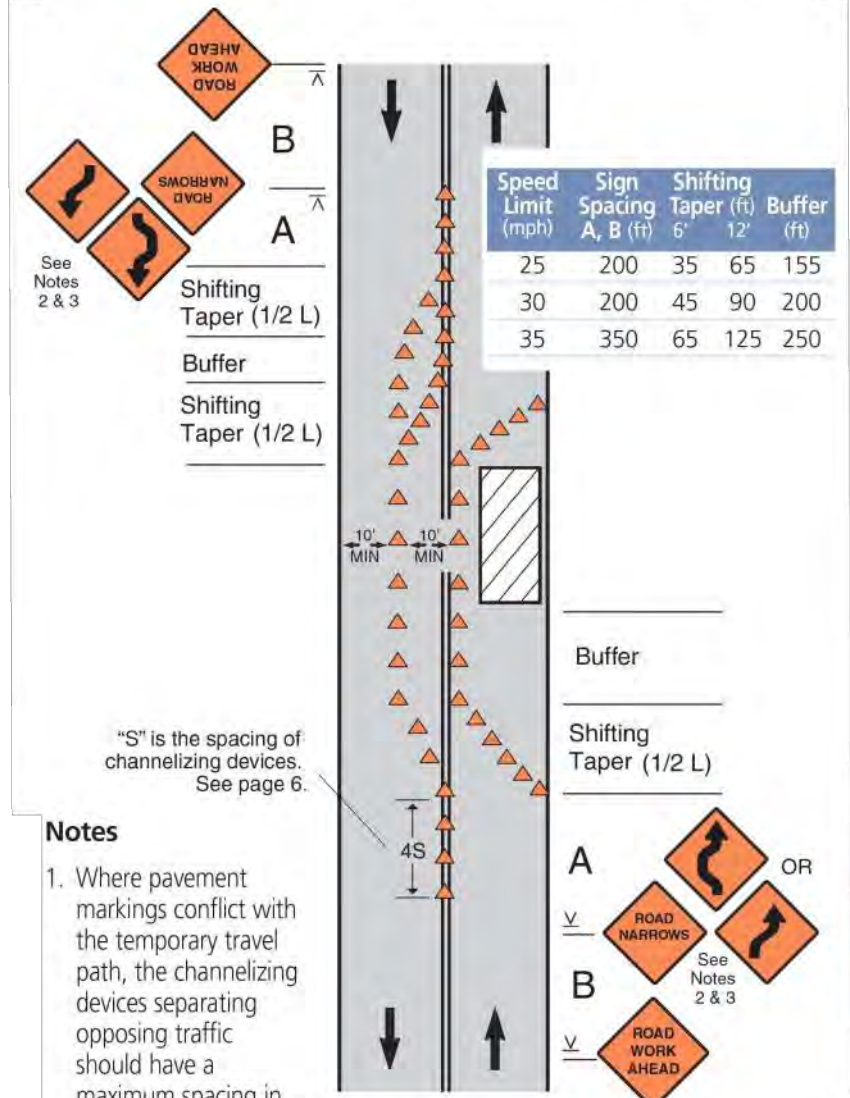
SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER
TCP-2

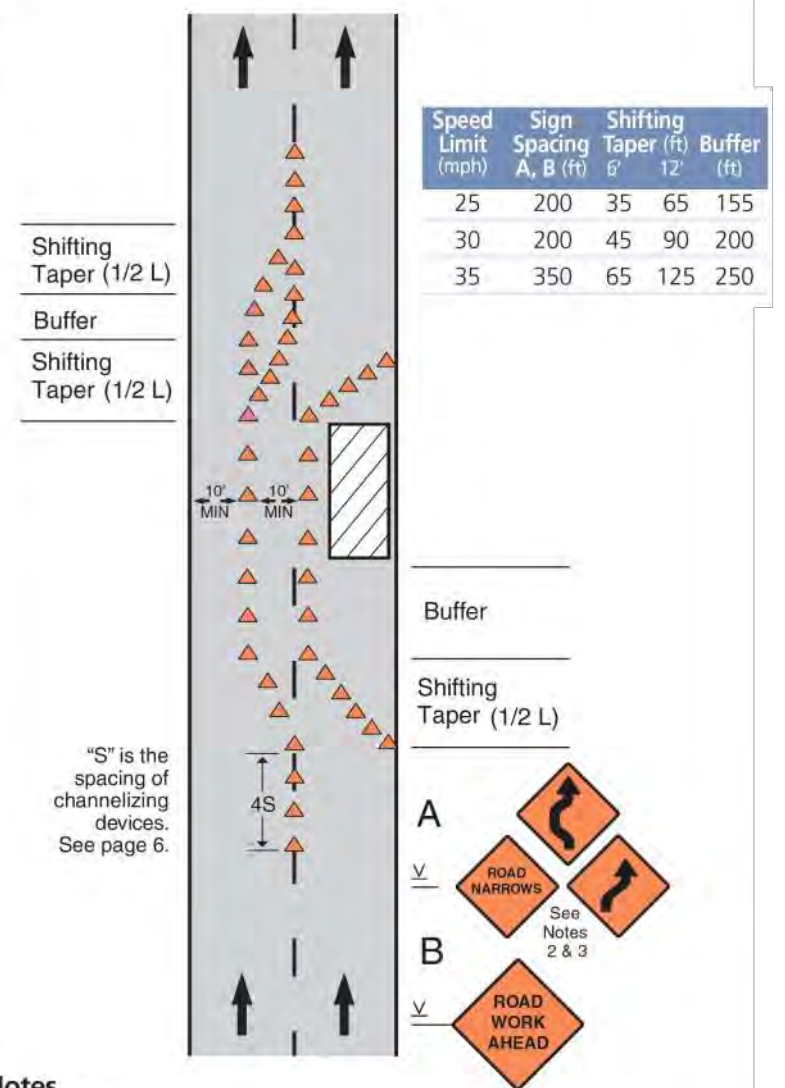
Work in Travel Lane
(Maintaining Two-Way Traffic, 35 mph or Less)



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 instead of Reverse Curve.

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



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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TASK NAME
WILC038

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

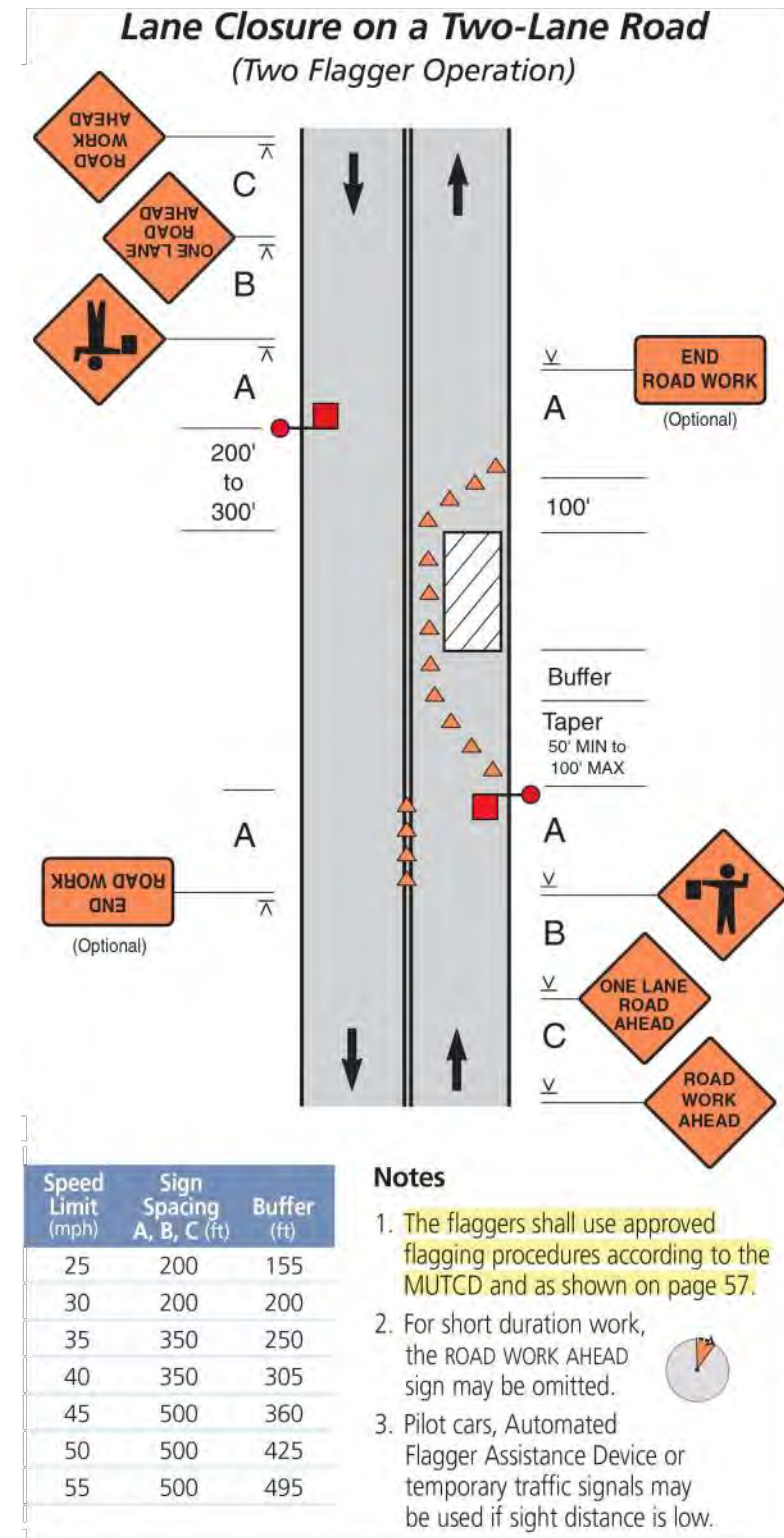
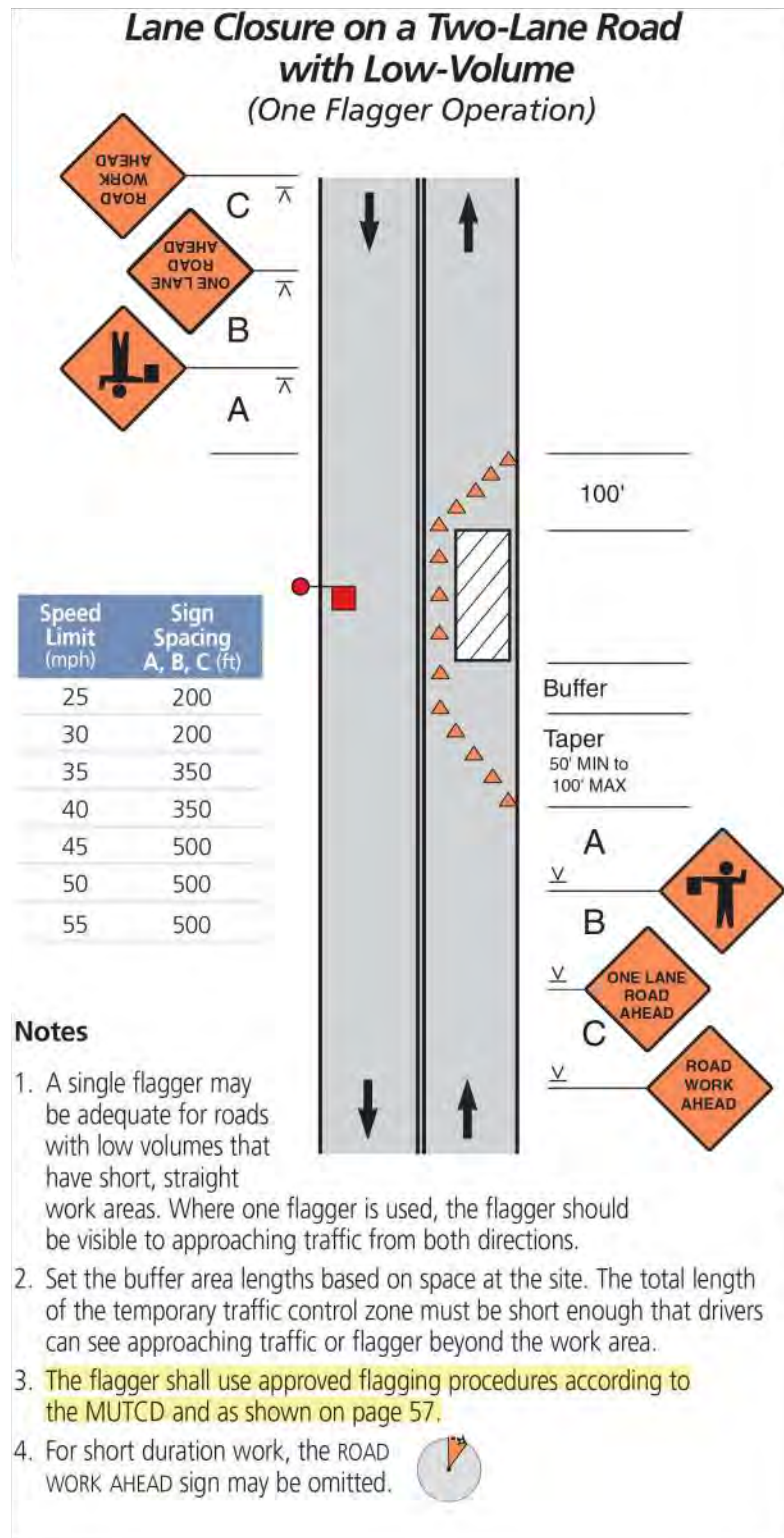
PROJECT AREA
LACROSSE, WI, USA

SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER
TCP-3



REV	DATE	DESCRIPTION	BY
A	05/17/23	ISSUED FOR REVIEW	IK

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TASK NAME
WILC038

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

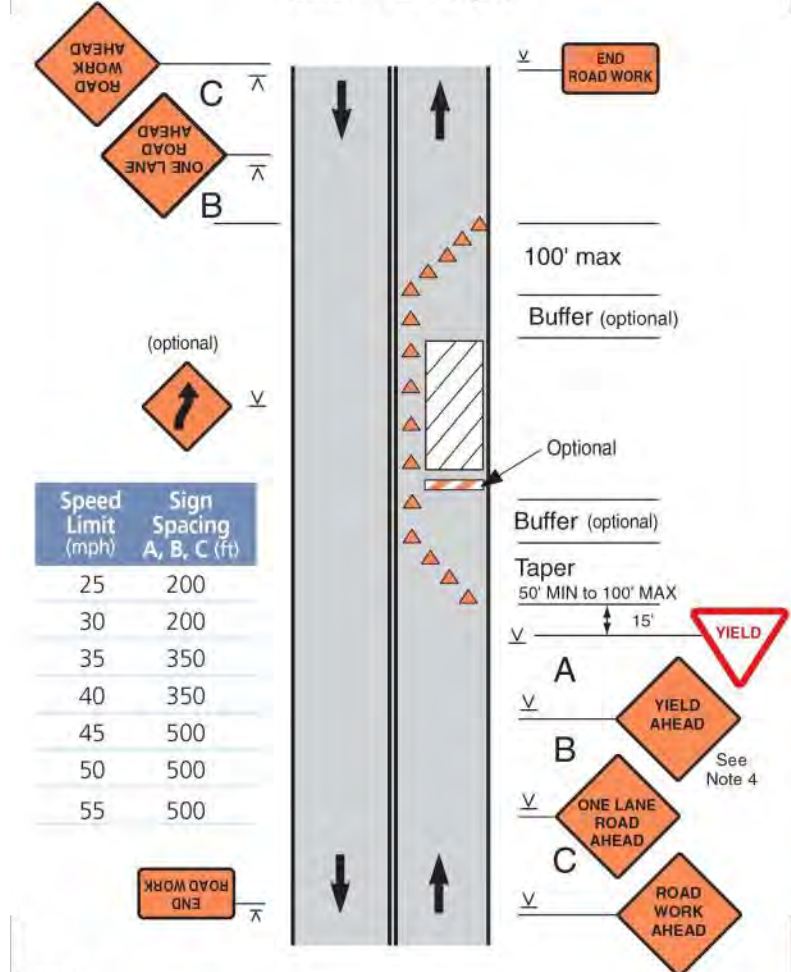
SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

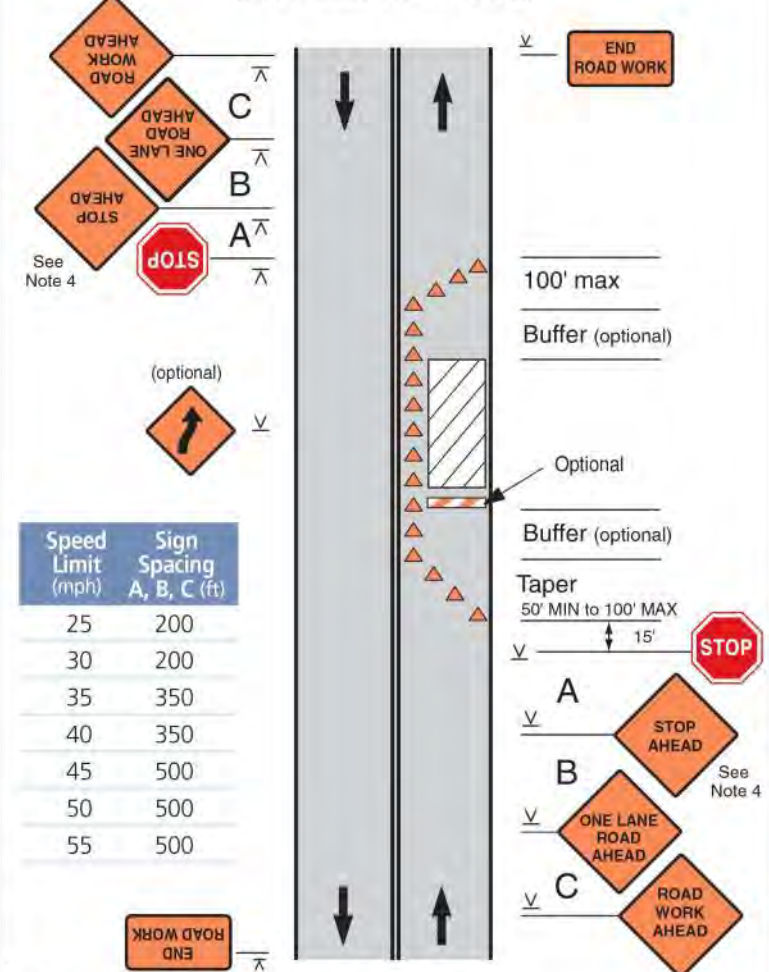
SHEET NUMBER
TCP-4

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
WILC038

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

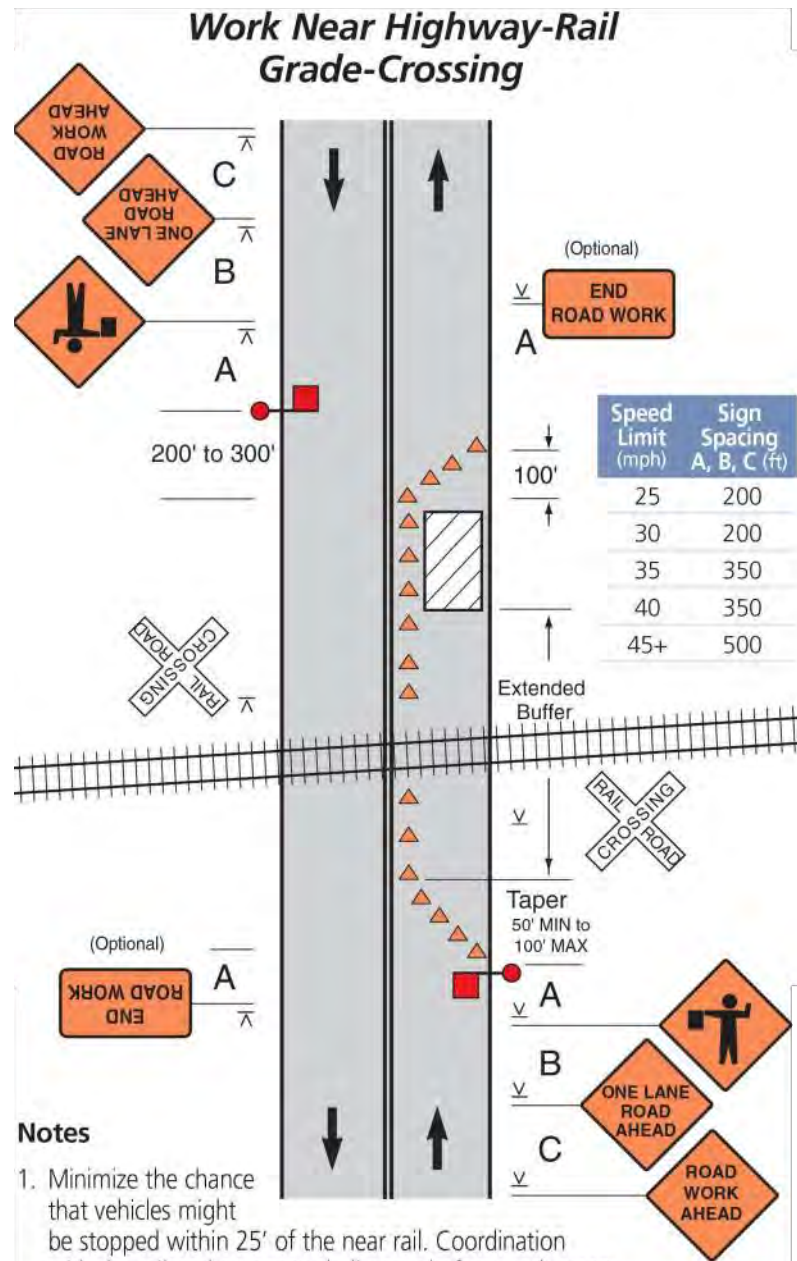
PROJECT AREA
LACROSSE, WI, USA

SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

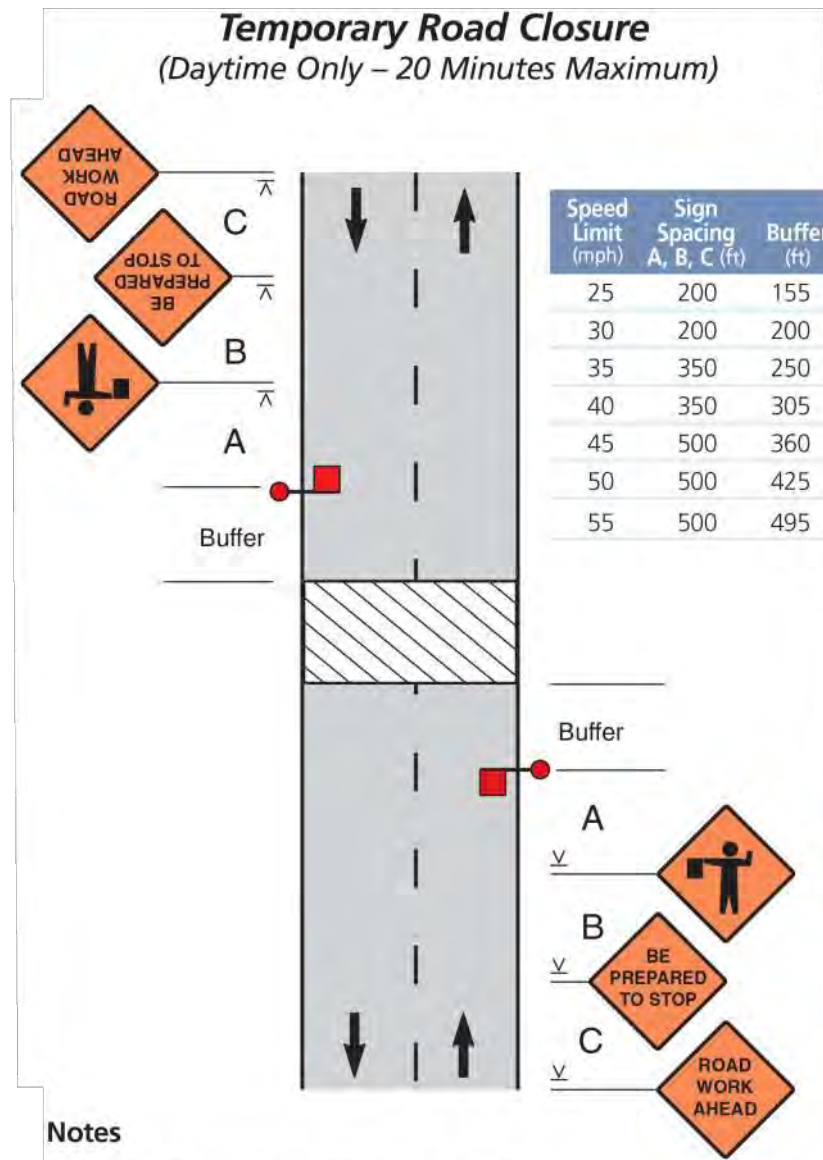
GRID NUMBER

SHEET NUMBER
TCP-5



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.



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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FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

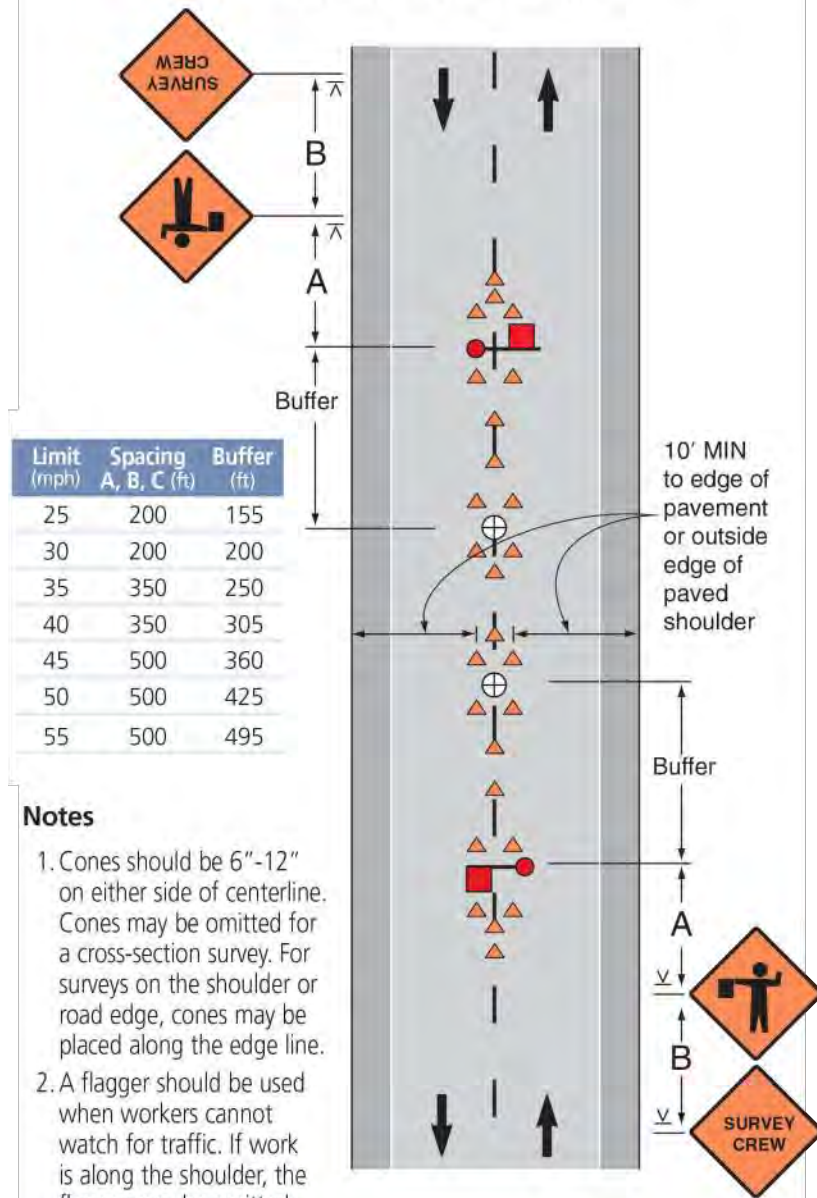
SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

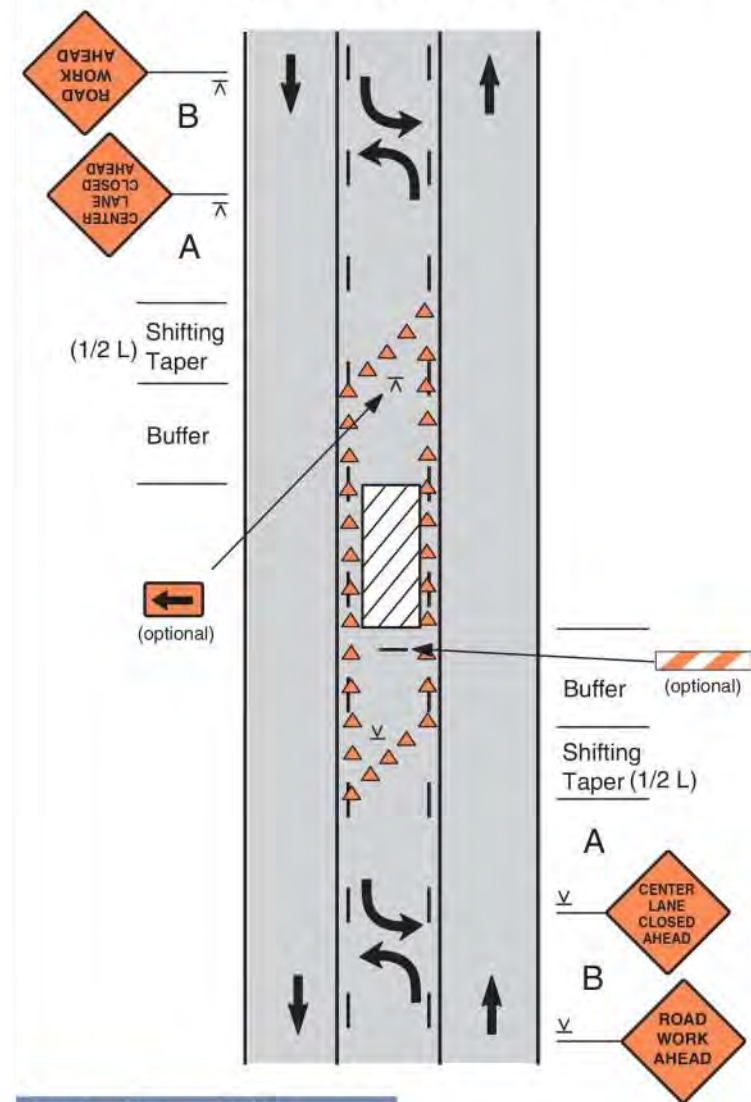
GRID NUMBER

SHEET NUMBER
TCP-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
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TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

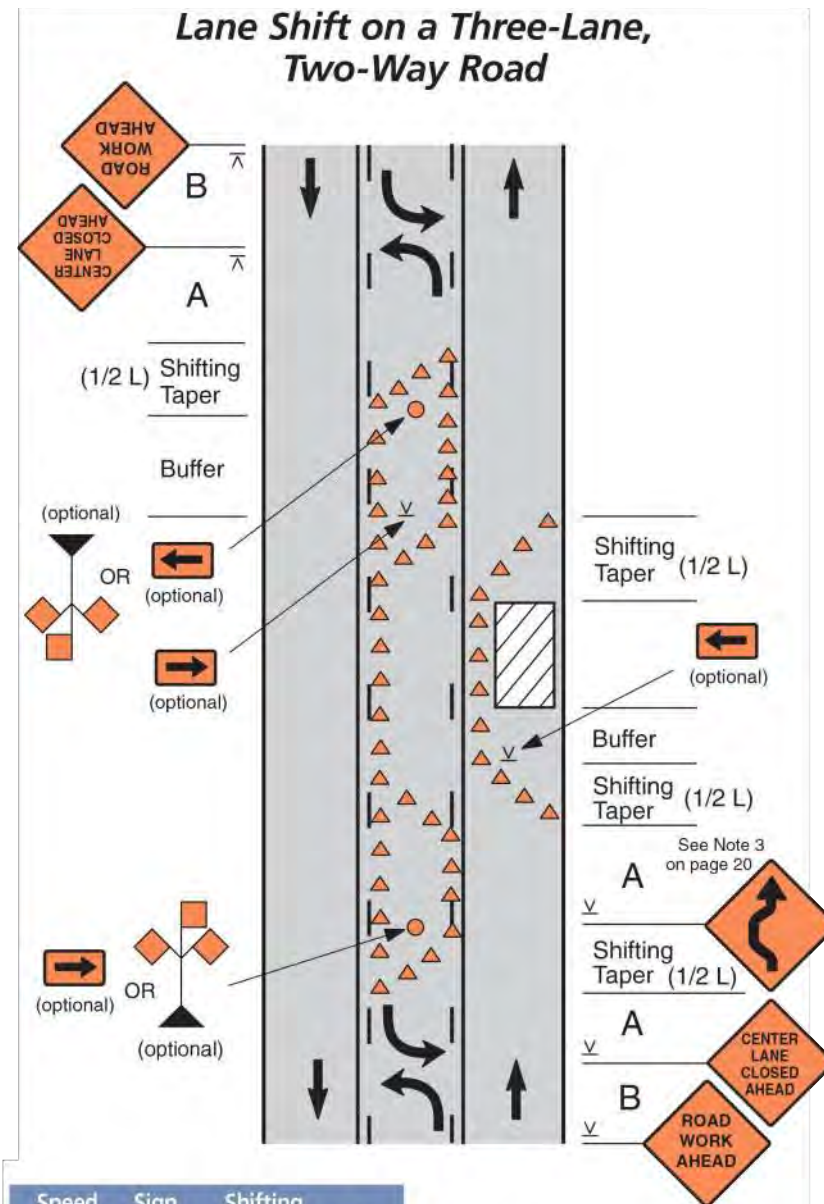
PROJECT AREA
LACROSSE, WI, USA

SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

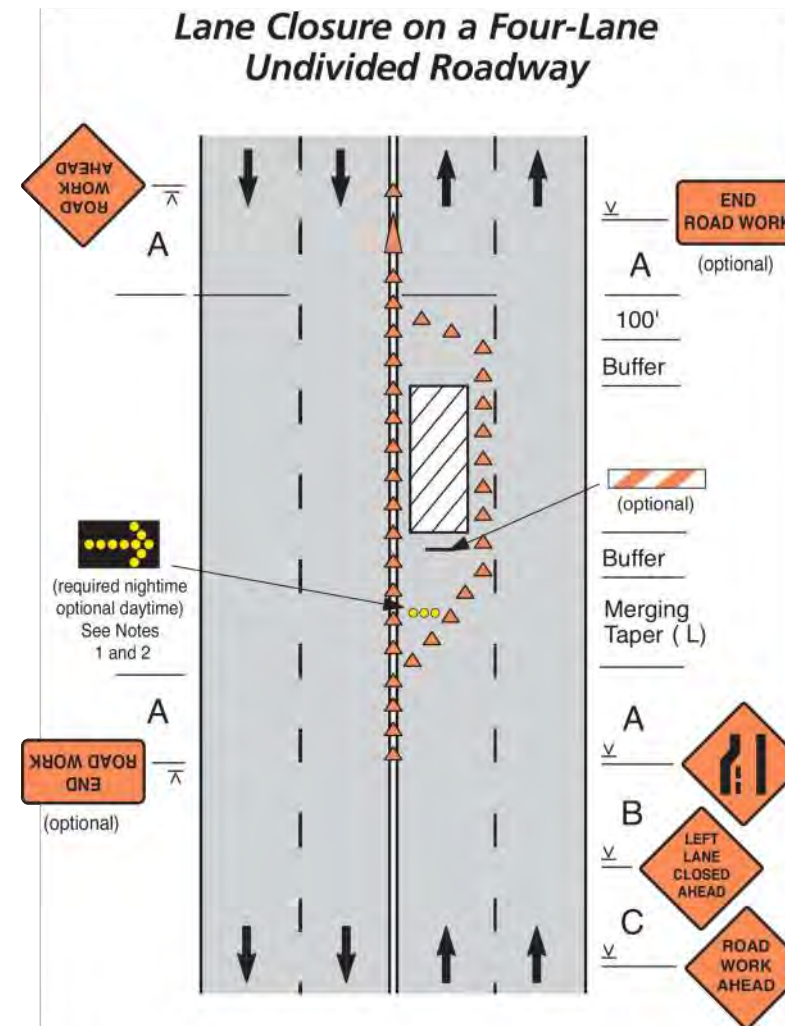
SHEET NUMBER
TCP-7



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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WILC038

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

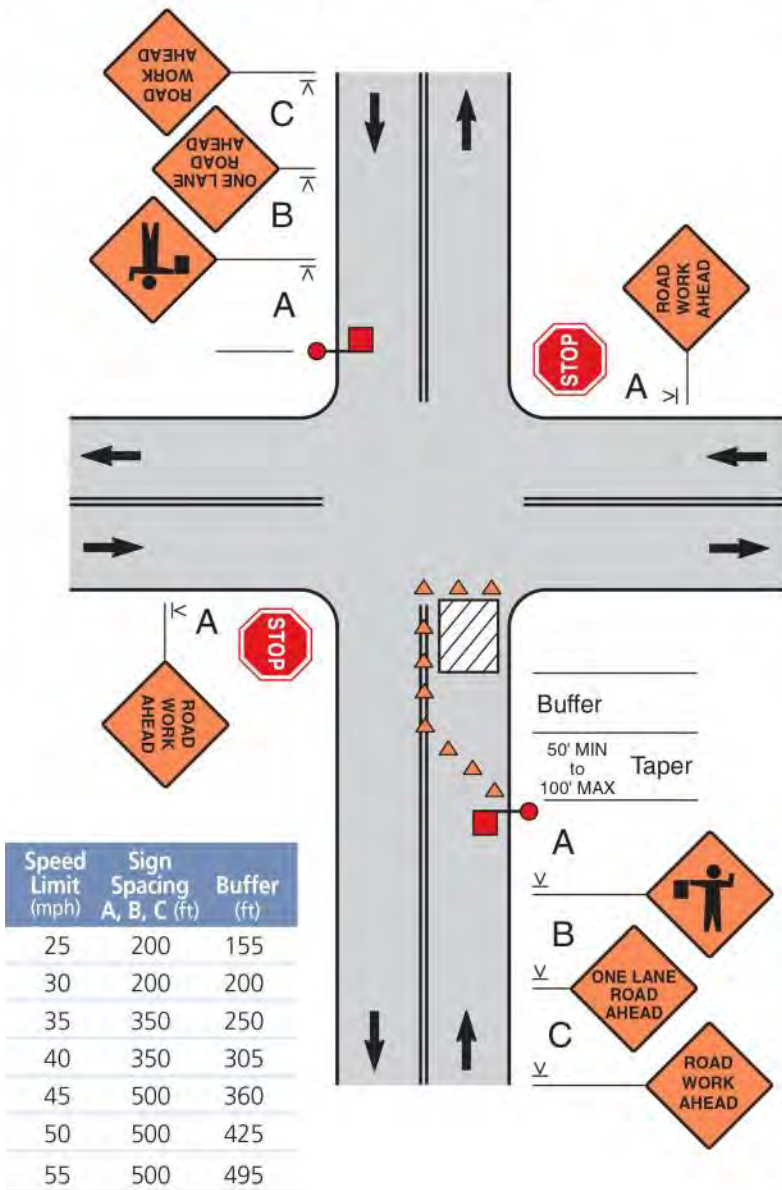
SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER
TCP-8

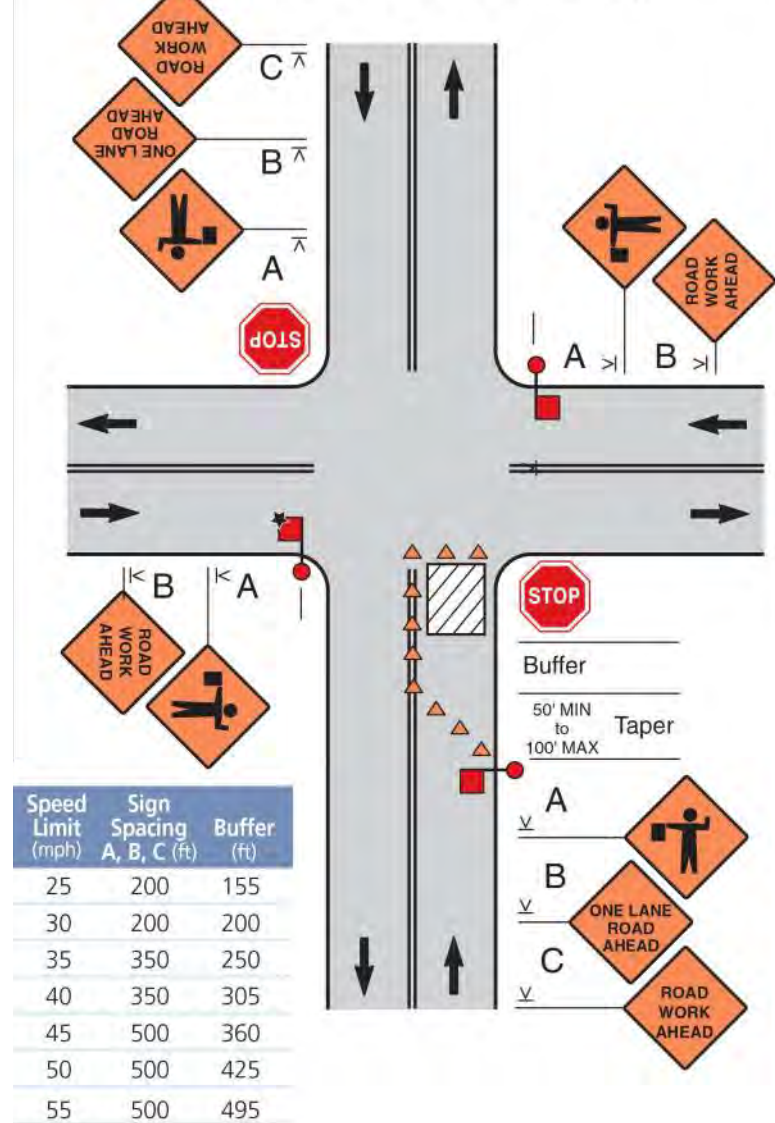
Lane Closure in Advance of an Intersection
(Work Area on the Through Road)



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.

REV	DATE	DESCRIPTION	BY
A	05/17/23	ISSUED FOR REVIEW	IK

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TASK NAME
WILC038

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

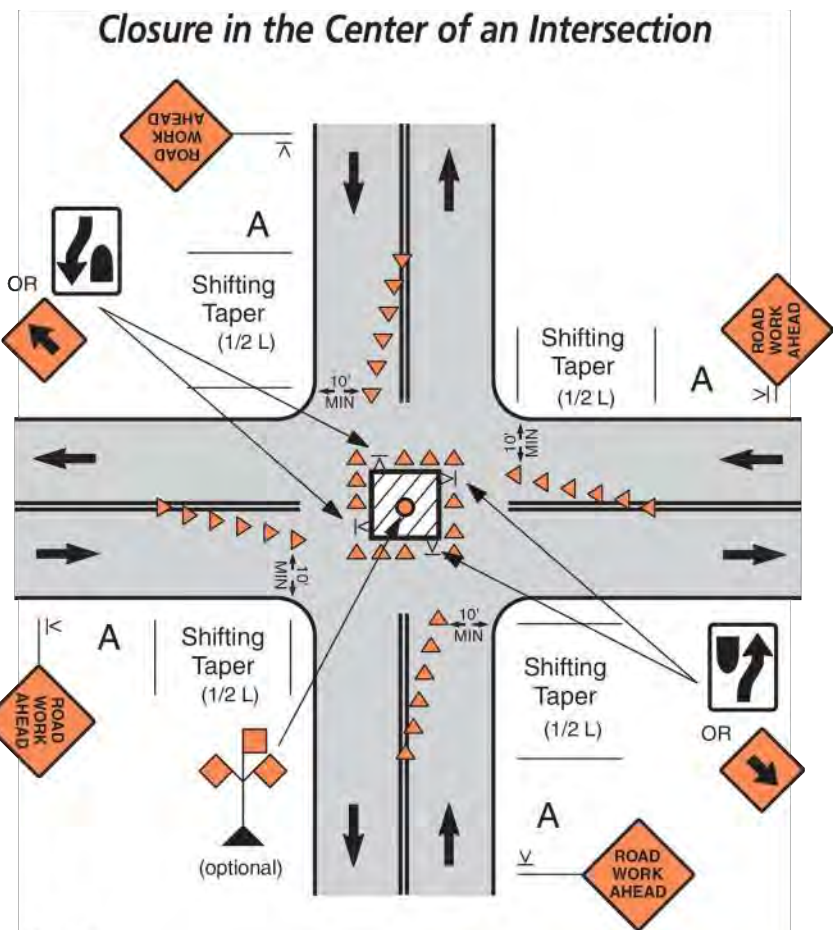
PROJECT AREA
LACROSSE, WI, USA

SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

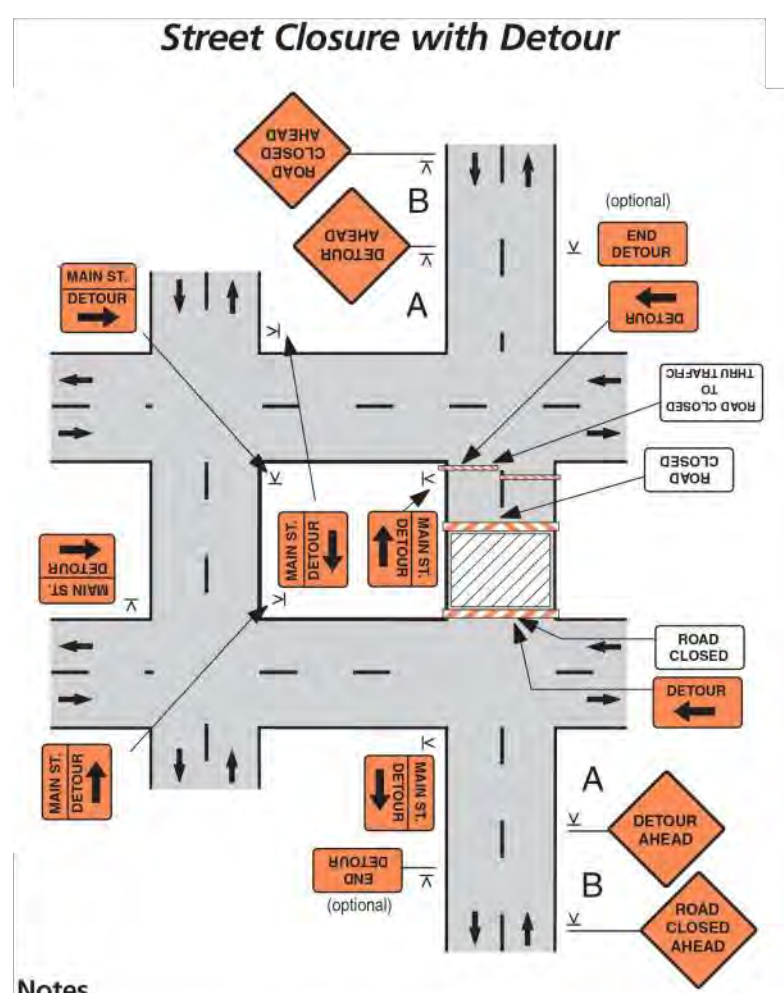
SHEET NUMBER
TCP-9



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

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TASK NAME
WILC038

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

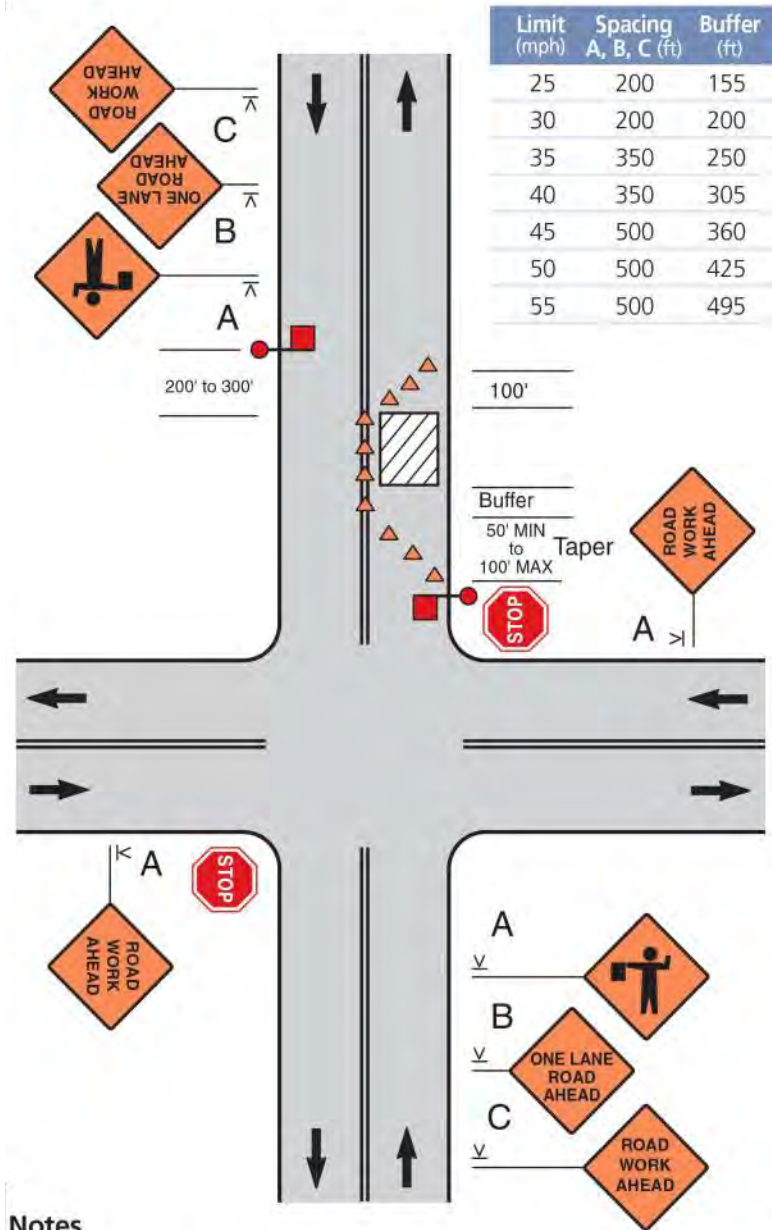
SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER
TCP-10

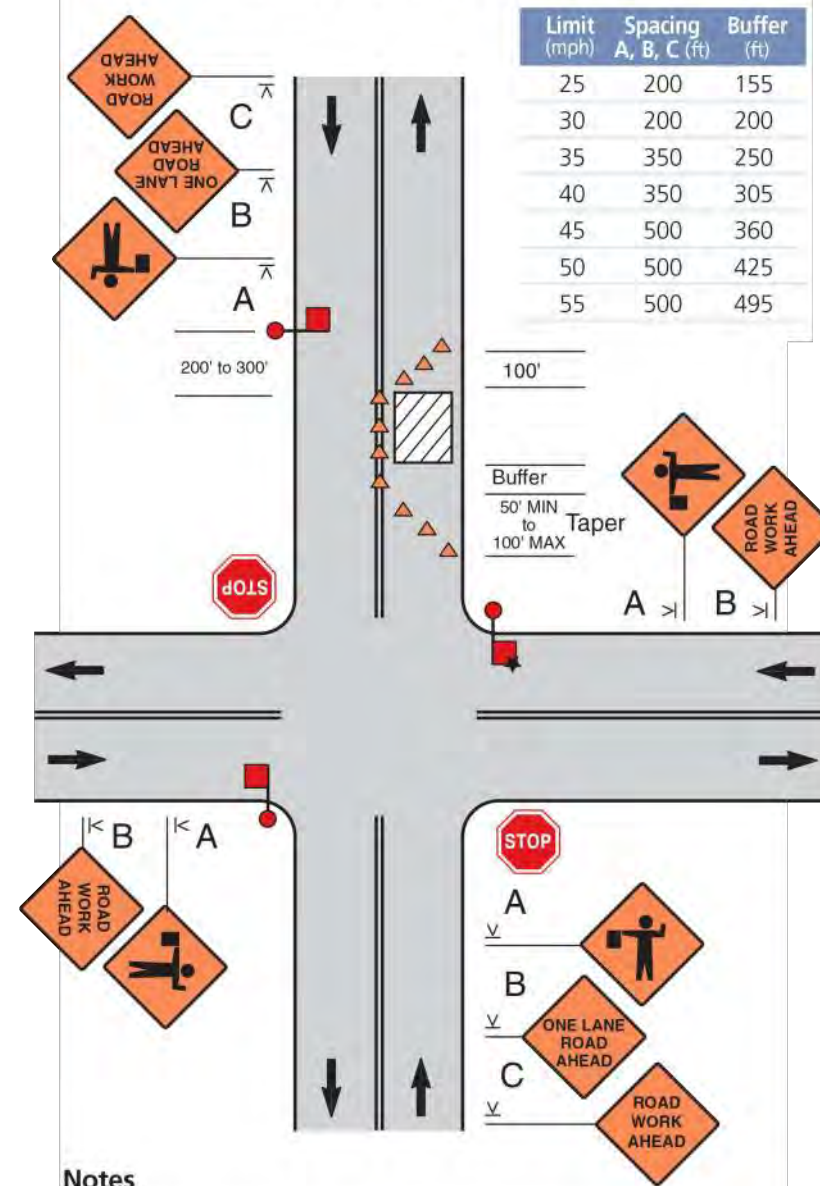
Lane Closure Beyond an Intersection
(Work Area on the Through Road)



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)



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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TASK NAME

WILC038

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI, USA

SHEET SCALE

N.T.S.

SHEET TITLE

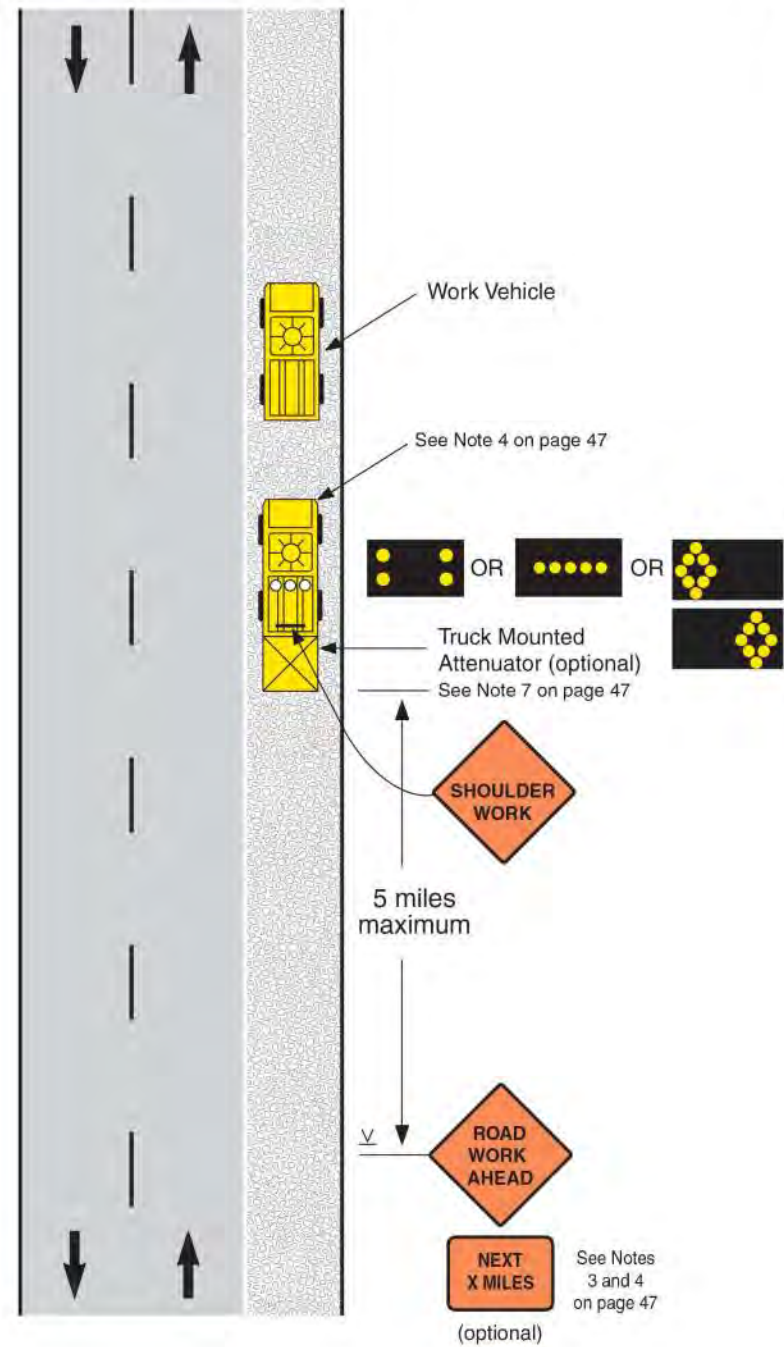
TRAFFIC CONTROL
STANDARD DETAILS

GRID NUMBER

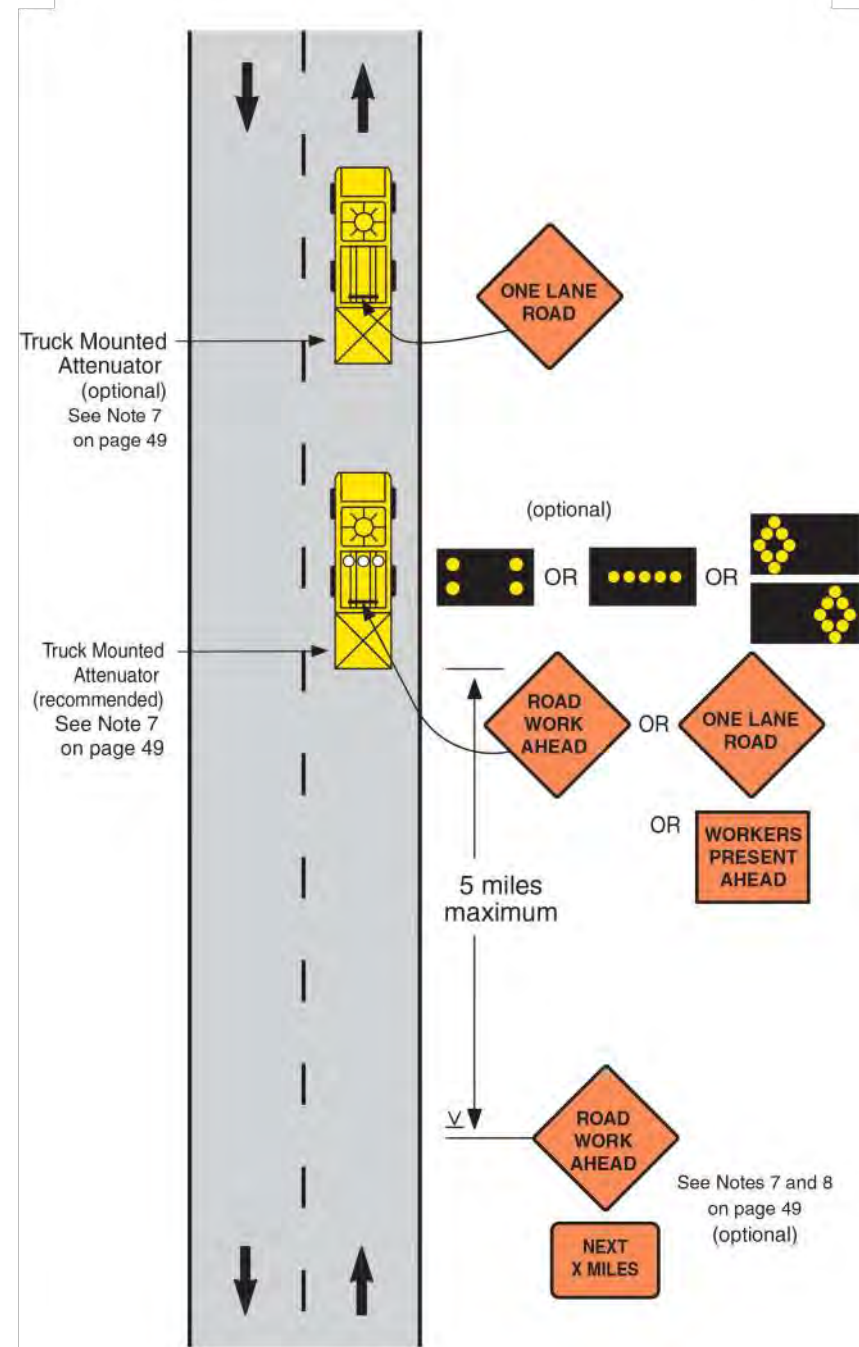
SHEET NUMBER

TCP-11

Mobile Operation on the Shoulder



Mobile Operation on a Two-Lane Road



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TASK NAME
WILC038

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

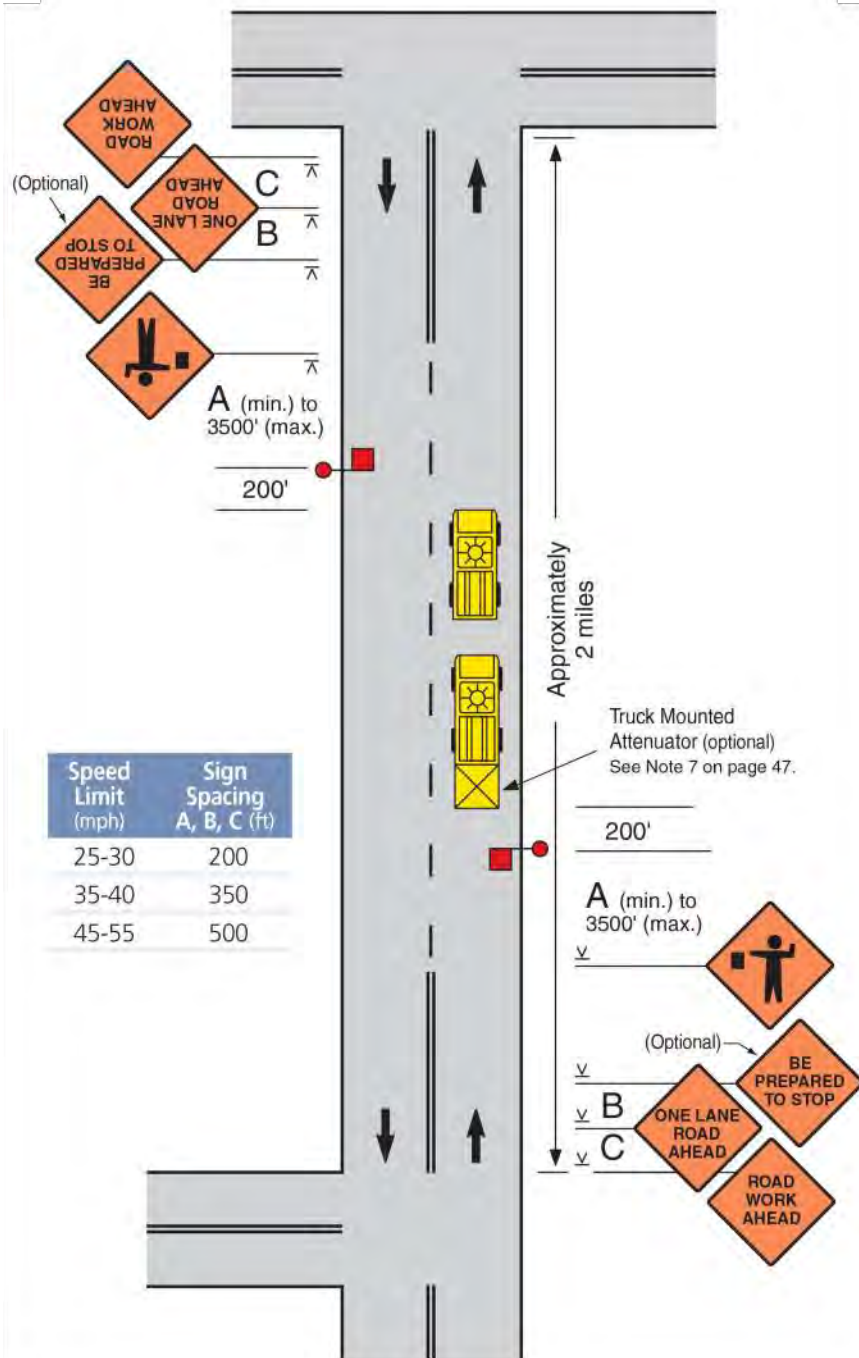
SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

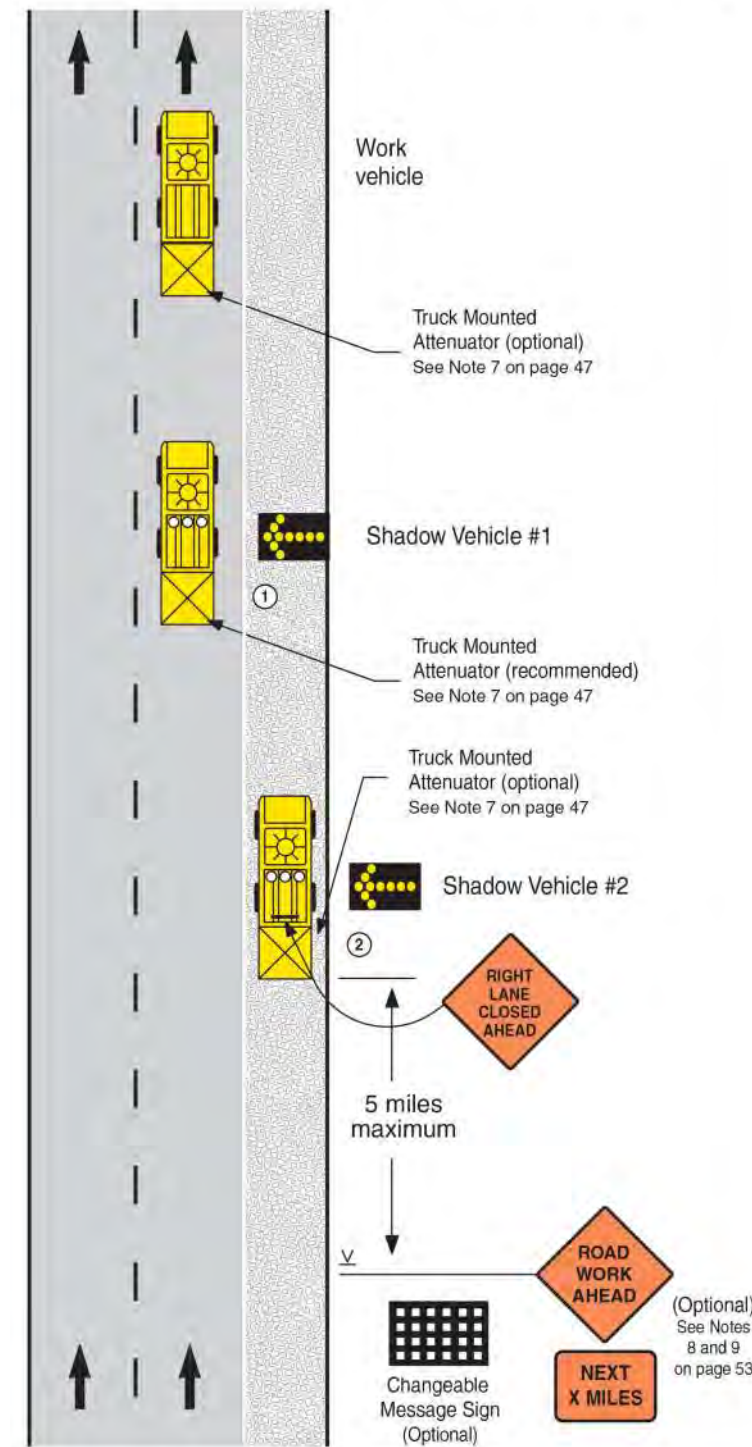
GRID NUMBER

SHEET NUMBER
TCP-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

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TASK NAME	WILC038
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TASK DESCRIPTION	FIBER OPTIC CONDUIT PLACEMENT
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PROJECT AREA	LACROSSE, WI, USA
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SHEET SCALE	N.T.S.
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SHEET TITLE	TRAFFIC CONTROL STANDARD DETAILS
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GRID NUMBER	
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SHEET NUMBER	TCP-13
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