



City of La Crosse, Wisconsin

City Hall
400 La Crosse Street
La Crosse, WI 54601

Meeting Agenda - Final

Board of Public Works

Monday, December 16, 2024

10:00 AM

Council Chambers
City Hall, First Floor

The Board of Public Works meeting is open for in-person attendance and will also be conducted through video conferencing. The meeting can be viewed by visiting the Legislative Information Center (<https://cityoflacrosse.legistar.com/Calendar.aspx>) and clicking on the video link to the far right in the meeting list.)

Call to Order

Roll Call

Mitch Reynolds, Tamra Dickinson, Rebecca Schwarz, Andrea Trane, Matthew Gallagher.

Approval of Minutes

Minutes from December 9, 2024.

Agenda Items:

- [24-1265](#) Request to approve Temporary Street Privilege Permit end date extension for 403 Jackson St.
- [24-1566](#) Construction Contract Final Payments.
- [24-1603](#) Charter Communications Street Privilege Permit request for communications in right-of-way near Enterprise Ave.
- [24-1604](#) Charter Communications Street Privilege Permit request for communications in right-of-way near State St.
- [24-1599](#) Gerrard Development LLC request to vacate part of the public alley right-of-way in the area bound by 9th St, 10th St, Main St, and State St.
- [24-1605](#) Metro Fibernet LLC Street Privilege Permit request for communications in right-of-way in the area bound by 10th St, Division St, Market St, and West Ave.
- [24-1616](#) Metro Fibernet LLC Street Privilege Permit request for communications in right-of-way in the area bound by Taylor St, Gohres St, Caledonia St, and Onalaska Ave.
- [24-1609](#) Expansion of pay to park hours for the parking ramps.
- [24-1615](#) Notice of Violation for City Brewing Company, LLC.

Future Meeting Dates

Adjournment

Notice is further given that members of other governmental bodies may be present at the above scheduled meeting to gather information about a subject over which they have decision-making responsibility.

NOTICE TO PERSONS WITH A DISABILITY

Requests from persons with a disability who need assistance to participate in this meeting should call the City Clerk's office at (608) 789-7510 or send an email to ADAcityclerk@cityoflacrosse.org, with as much advance notice as possible.



City of La Crosse, Wisconsin

City Hall
400 La Crosse Street
La Crosse, WI 54601

Text File

File Number: 24-1265

Agenda Date: 12/16/2024

Version: 1

Status: Agenda Ready

In Control: Board of Public Works

File Type: General Item



TEMPORARY STREET PRIVILEGE PERMIT

Engineering Dept. • Phone: (608) 789-7505 • Fax: (608) 789-8184
http://www.cityoflacrosse.org engineering@cityoflacrosse.org

Permit No:	2024-027.04
Date:	3/27/24
Parcel ID:	

STATUS:	Permit Type: TSP
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Name:	Barton Construction				
Address:	2 Copeland Ave				
City:	La Crosse	State:	WI	Zip Code:	54603
Phone:	779 0700	Cell:	798 2952	Fax:	
Vehicle License Number (If Applicable):		Tag #:		Email:	danmiller@bartonconstruction.com

Location:	403 Jackson Street				
Area to be occupied:	Traffic Lane(s)	Parking Lane(s)	Boulevard	Sidewalk	Alley
Purpose for permit:	Construction of The Collective				
Additional Conditions:	sidewalks along Jackson and 4th to be closed				
Start Date:	3/27/24	12/21/24	End Date:	4/1/25	03/21/25

Invoice #:	Fee: \$
	(\$35.00 first 5 days, \$2.00 each additional day)
Permit issued by:	
Comments:	<p>-Original Application approved from 3/27/24-06/24/24 -1st 90day extension approved from 6/24/24-9/22/24 -2nd 90day extension approved from 9/22/24-12/21/24</p>

The undersigned understands and agrees to the following: 1) The permitted work shall comply with all permit provisions and conditions listed on and attached to this form; 2) That insurance requirements shall be met prior to approval either by submitting information with application or by keeping current information on file with the Engineering Dept.; 3) The applicant shall contact City Dispatch and the City Traffic Engineer 24 hours prior to the closure of any traffic lanes and shall provide an estimate of the duration of the closure. Temporary traffic control shall be provided and maintained by the applicant and shall comply with Part 6 of the *Manual on Uniform Traffic Control Devices (MUTCD)*.

Note: Once invoiced, application fees may not be refunded. Details of permit, including dates, may be modified with approval of the Engineering Department.

Dan Miller
(PRINT) AUTHORIZED REPRESENTATIVE

DM
TITLE

DATE

[Signature]
(SIGN) AUTHORIZED REPRESENTATIVE

TITLE

3/27/24
DATE

ArcGIS Web Map

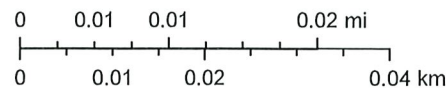


3/27/2024, 7:29:48 AM

1:1,128

- Municipality Limits Labels
- Tax Roll Owner Info and Labels
- Municipality Limits
- Tax Parcels

- Road_Centerlines_FinalCS
- Federal Highway
- State Highway
- Local Road



La Crosse County



City of La Crosse, Wisconsin

City Hall
400 La Crosse Street
La Crosse, WI 54601

Text File

File Number: 24-1566

Agenda Date: 12/16/2024

Version: 1

Status: Agenda Ready

In Control: Board of Public Works

File Type: General Item

Agenda Number:



City of La Crosse, Wisconsin

City Hall
400 La Crosse Street
La Crosse, WI 54601

Text File

File Number: 24-1603

Agenda Date: 12/16/2024

Version: 1

Status: Agenda Ready

In Control: Board of Public Works

File Type: General Item



**REVOCABLE OCCUPANCY / STREET PRIVILEGE PERMIT APPLICATION
FOR COMMUNICATIONS (FIBER OPTICS, TELEPHONE, CABLE, ETC.)**

City of La Crosse Engineering Department

Phone: 608-789-7505 Email: engineering@cityoflacrosse.org <http://cityoflacrosse.org>

Encroachment Owner: Perry McClellan-Charter Communications #5650547
Address: 1228 12th Ave S City: Onalaska State: WI Zip: 54650
Phone # 715-519-0033 608-783-8122 Email Address Perry.McClellan@charter.com

Application Preparer (if different from above) Michele Peterson-Mi-Tech Services
Relationship with Owner: contractor for design and permitting
Phone # 920-924-3690 ext 3528 Email Address mpeterso@mi-tech.us

Description of Proposed Encroachment:

bore conduit in the right of way, set vaults

Encroachment Addresses (List by Street and 100 blocks):

ENTERPRISE AVE

I certify that I have reviewed the Municipal Code and understand all that is related to this permit request. I further certify that I have the full authority to make the foregoing application; the information in the application and the required submittals are complete and correct; the Work or Use performed shall comply with all the laws of the State of Wisconsin, and all ordinances, rules, regulations, policies and special conditions of the City of La Crosse. The applicant agrees to perform the work covered by an approved permit with diligence and convenience to the public. **See Sheet 2 of 2 for Additional Conditions.**

Signature of Owner or designee: Perry McClellan Date: 11/18/2024
Print Name and Title: Perry McClellan Construction Coordinator

Please return this completed application along with required information and fees noted on checklist below to: City of La Crosse, Engineering Department, 400 La Crosse Street, La Crosse, WI 54601. You will then be given notice of when your request will be on the Board of Public Works agenda for consideration. **Average completion time for validation 45 days.**

BELOW THIS LINE TO BE COMPLETED BY CITY STAFF ONLY

Required items to be provided by Applicant:

Scale Drawing of encroachments
(Complete Utility Locate by Digger's Hotline Required)

Certificate of Insurance (City as additional Insured)

Initial Application Fee \$ 100.00

City Utility Potential Conflict Notification and Sign-Off

Board of Public Works

Approval Date:

Encroachment Type:

Permit Number:

All Fees are Non-Refundable & Subject to change by City Council

CONSTRUCTION NOTE:
 BURY CABLE AT A MINIMUM OF 36" DEPTH
 UNLESS OTHERWISE NOTED ON PRINTS.

CONSTRUCTION NOTE:
 CHARTER COMMUNICATIONS WILL PLACE
 PROPOSED CABLES IN CORRIDOR AS CLOSE TO
 THE BACK OF RIGHT-OF-WAY AS POSSIBLE,
 PENDING LOCATES.

LEGEND

- TB : TREE BORE(DIRECTIONAL BORE)
- RB : ROAD BORE (DIRECTIONAL BORE)
- T : TRENCH
- HD : HAND DIG
- P : PLOW
- R&P : ROD & PULL EXISTING CONDUIT

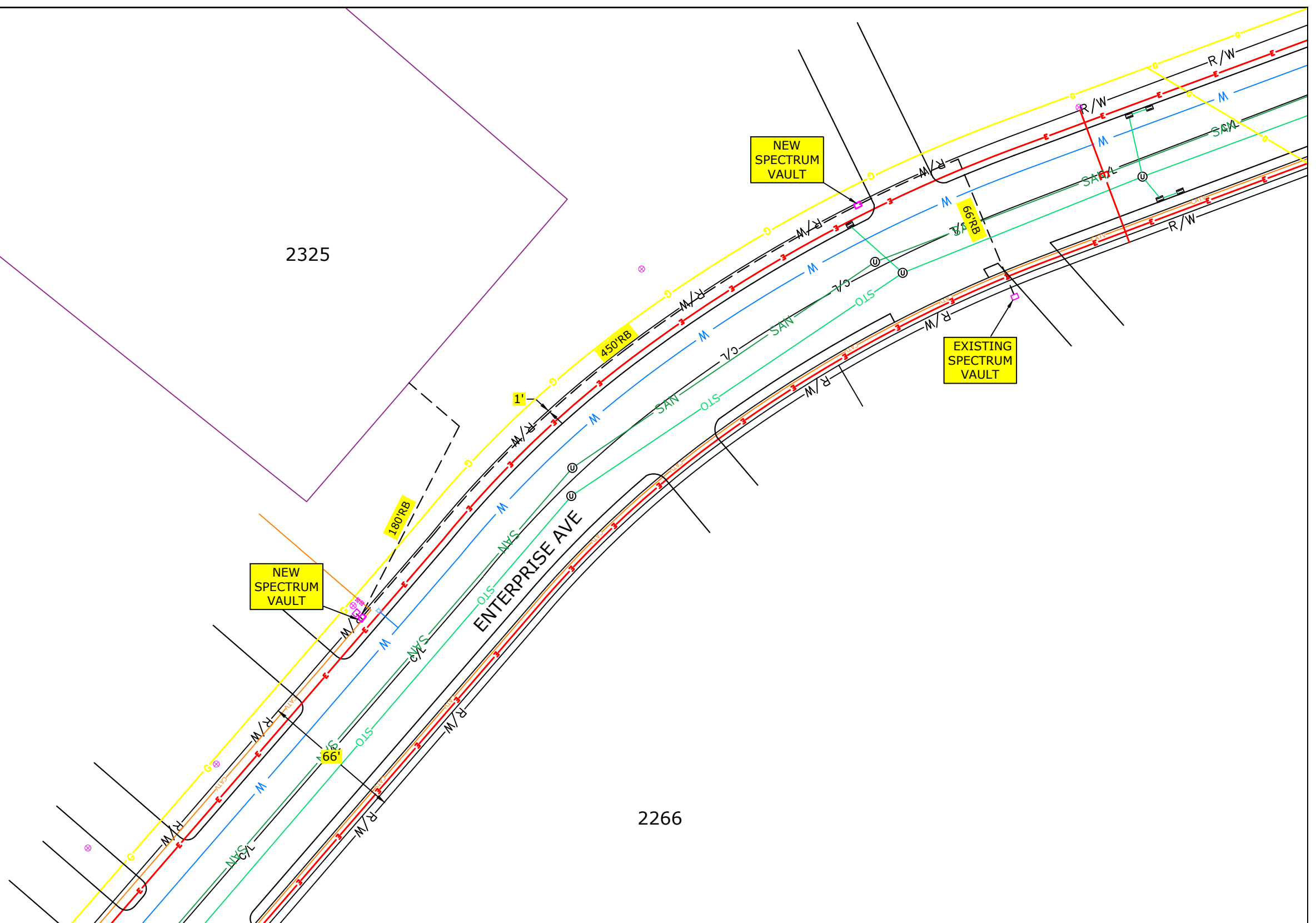
**CHARTER COMMUNICATIONS PROPOSES
 TO BURY FIBER COMMUNICATION CABLE
 IN A 2" CONDUIT**

--- = FIBER CABLE

⊕ = POTHOLE
 ⊕ = UTILITIES

CONSTRUCTION NOTE:
 POTHOLE WHERE
 NECESSARY AND ADJUST
 DEPTH ACCORDINGLY

THE UTILITIES SHOWN ON THIS PLAN ARE
 INDICATED IN ACCORDANCE WITH AVAILABLE
 RECORDS. THE CONTRACTOR SHALL BE
 RESPONSIBLE FOR OBTAINING EXACT
 LOCATIONS AND ELEVATIONS OF ALL UTILITIES
 FROM THE OWNERS OF THE RESPECTIVE
 UTILITIES AND FROM FIELD VERIFICATION.

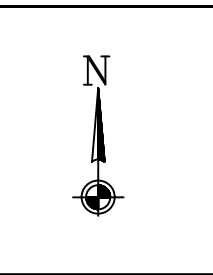


LEGEND	
⊕	JOINT POLE
⊕	NEW JOINT POLE
⊕	POWER POLE
⊕	NEW POWER POLE
⊕	TELEPHONE POLE
⊕	NEW TELEPHONE POLE
⊕	EXISTING PEDESTAL
⊕	NEW PEDESTAL
⊕	ANCHOR
⊕	NEW ANCHOR
⊕	JOINT ANCHOR
⊕	NEW JOINT ANCHOR
⊕	FOREIGN ANCHOR
⊕	DOWNGUY
⊕	NEW DOWNGUY
⊕	MANHOLE
⊕	EXISTING FIBER COIL
⊕	NEW FIBER COIL
⊕	EXISTING HAND HOLE
⊕	NEW VAULT
⊕	REPLACE CONCRETE
⊕	SHRUBS
⊕	DECIDUOUS TREE
⊕	UTILITY VALVE/MANHOLE RISER
⊕	STORM DRAIN
⊕	ELECTRIC PEDESTAL
⊕	FIBER WARNING SIGN
⊕	TRAFFIC LIGHT
⊕	HYDRANT
⊕	SIGNS
⊕	STREET LIGHT
⊕	CONIFEROUS TREE

LINETYPES	
---	PROPOSED FIBER
---	PROPOSED STRAND
---	GAS
---	WATER
---	ELECTRICAL
---	STORM
---	SANITARY
---	CABLE TV
---	TELEPHONE

PROJECT #5650547
 PERMIT ID #5650547CITY

1228 12TH AVE SOUTH
 ONALASKA, WI 54650



ADDRESS 2325 ENTERPRISE AVE	
FILED BY:	DATE:
DRAFTED BY: MP	DATE: 11/18/2024
DESIGNED BY:	DATE:
ASBUILTS BY:	DATE:

LOCATION LA CROSSE, WI	
1	



City of La Crosse, Wisconsin

City Hall
400 La Crosse Street
La Crosse, WI 54601

Text File

File Number: 24-1604

Agenda Date: 12/16/2024

Version: 1

Status: Agenda Ready

In Control: Board of Public Works

File Type: General Item



**REVOCABLE OCCUPANCY / STREET PRIVILEGE PERMIT APPLICATION
FOR COMMUNICATIONS (FIBER OPTICS, TELEPHONE, CABLE, ETC.)**

City of La Crosse Engineering Department

Phone: 608-789-7505 Email: engineering@cityoflacrosse.org <http://cityoflacrosse.org>

Encroachment Owner: Perry McClellan-Charter Communications #5685917
Address: 1228 12th Ave S City: Onalaska State: WI Zip: 54650
Phone # 715-519-0033 608-783-8122 Email Address Perry.McClellan@charter.com

Application Preparer (if different from above) Michele Peterson-Mi-Tech Services
Relationship with Owner: contractor for design and permitting
Phone # 920-924-3690 ext 3528 Email Address mpeterso@mi-tech.us

Description of Proposed Encroachment:

bore conduit in the right of way, overlash coax on existing strands

Encroachment Addresses (List by Street and 100 blocks):

STATE ST

I certify that I have reviewed the Municipal Code and understand all that is related to this permit request. I further certify that I have the full authority to make the foregoing application; the information in the application and the required submittals are complete and correct; the Work or Use performed shall comply with all the laws of the State of Wisconsin, and all ordinances, rules, regulations, policies and special conditions of the City of La Crosse. The applicant agrees to perform the work covered by an approved permit with diligence and convenience to the public. **See Sheet 2 of 2 for Additional Conditions.**

Signature of Owner or designee: Perry McClellan Date: 11/11/2024
Print Name and Title: Perry McClellan Construction Coordinator

Please return this completed application along with required information and fees noted on checklist below to: City of La Crosse, Engineering Department, 400 La Crosse Street, La Crosse, WI 54601. You will then be given notice of when your request will be on the Board of Public Works agenda for consideration. **Average completion time for validation 45 days.**

BELOW THIS LINE TO BE COMPLETED BY CITY STAFF ONLY

Required items to be provided by Applicant:

Scale Drawing of encroachments
(Complete Utility Locate by Digger's Hotline Required)

Certificate of Insurance (City as additional Insured)

Initial Application Fee \$ 100.00

City Utility Potential Conflict Notification and Sign-Off

Board of Public Works

Approval Date:

Encroachment Type:

Permit Number:

All Fees are Non-Refundable & Subject to change by City Council

CONSTRUCTION NOTE:
BURY CABLE AT A MINIMUM OF 30" DEPTH UNLESS OTHERWISE NOTED ON PRINTS.

CONSTRUCTION NOTE:
CHARTER COMMUNICATIONS WILL PLACE PROPOSED CABLES IN CORRIDOR AS CLOSE TO THE BACK OF RIGHT-OF-WAY AS POSSIBLE, PENDING LOCATES.

LEGEND
 TB : TREE BORE(DIRECTIONAL BORE)
 RB : ROAD BORE (DIRECTIONAL BORE)
 T : TRENCH
 HD : HAND DIG
 P : PLOW
 R&P : ROD & PULL EXISTING CONDUIT

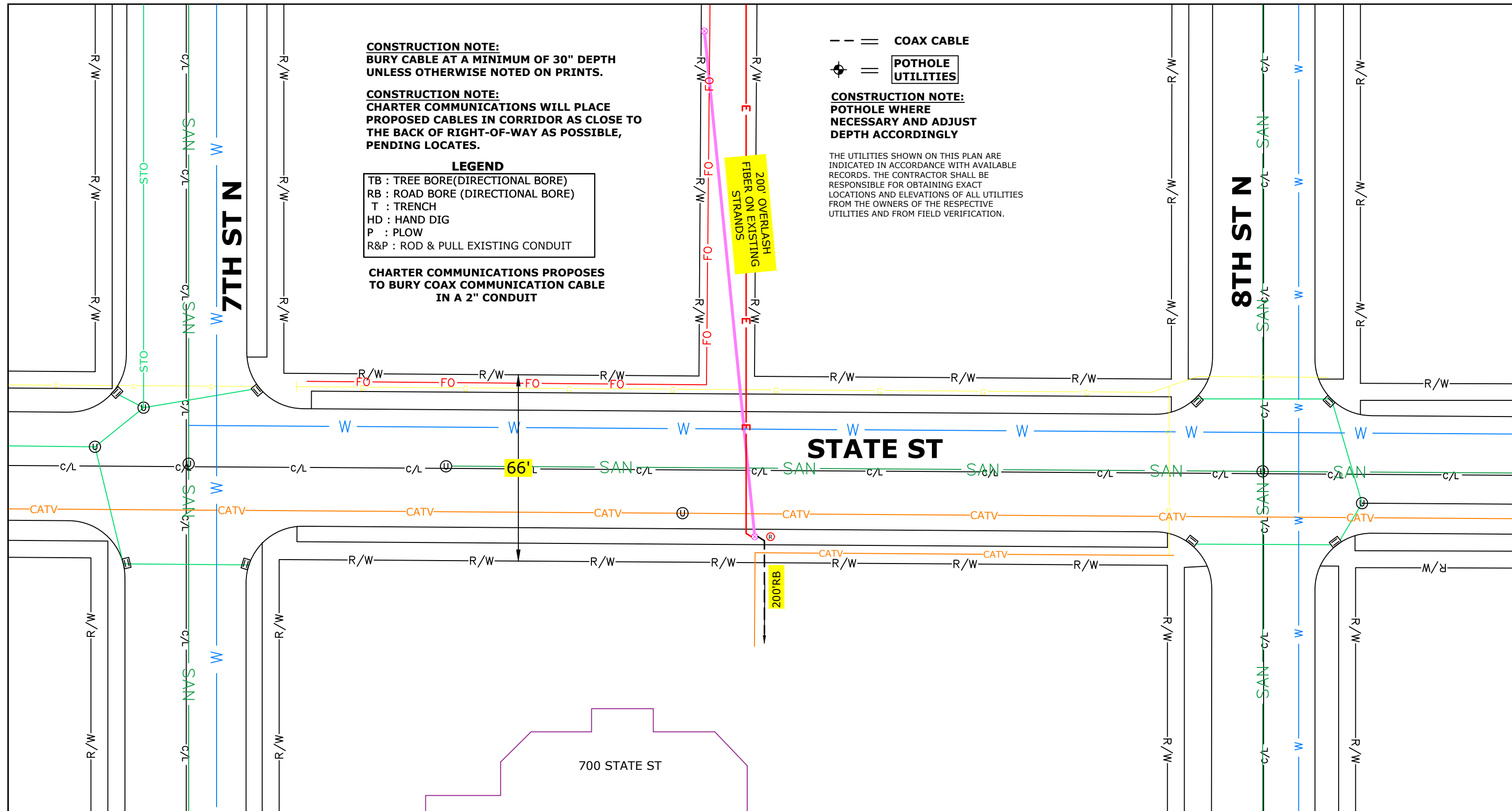
CHARTER COMMUNICATIONS PROPOSES TO BURY COAX COMMUNICATION CABLE IN A 2" CONDUIT

-- == COAX CABLE

⊕ == POT HOLE UTILITIES

CONSTRUCTION NOTE:
POTHOLE WHERE NECESSARY AND ADJUST DEPTH ACCORDINGLY

THE UTILITIES SHOWN ON THIS PLAN ARE INDICATED IN ACCORDANCE WITH AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND ELEVATIONS OF ALL UTILITIES FROM THE OWNERS OF THE RESPECTIVE UTILITIES AND FROM FIELD VERIFICATION.

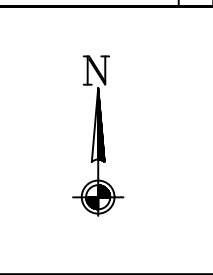


LEGEND	
⊕	JOINT POLE
⊕	NEW JOINT POLE
⊕	POWER POLE
⊕	NEW POWER POLE
⊕	TELEPHONE POLE
⊕	NEW TELEPHONE POLE
⊕	EXISTING PEDESTAL
⊕	NEW PEDESTAL
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⊕	NEW ANCHOR
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⊕	NEW JOINT ANCHOR
⊕	FOREIGN ANCHOR
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⊕	NEW DOWNGUY
⊕	MANHOLE
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⊕	NEW FIBER COIL
⊕	EXISTING HAND HOLE
⊕	NEW VAULT
⊕	REPLACE CONCRETE
⊕	SHRUBS
⊕	DECIDUOUS TREE
⊕	UTILITY VALVE/MANHOLE RISER
⊕	STORM DRAIN
⊕	ELECTRIC PEDESTAL
⊕	FIBER WARNING SIGN
⊕	TRAFFIC LIGHT
⊕	HYDRANT
⊕	SIGNS
⊕	STREET LIGHT
⊕	CONIFEROUS TREE

LINETYPES	
—	PROPOSED FIBER
—	PROPOSED STRAND
—	GAS
—	WATER
—	ELECTRICAL
—	STORM
—	SANITARY
—	CABLE TV
—	TELEPHONE

PROJECT #5685917
 PERMIT ID #5685917CITY

1228 12TH AVE SOUTH
 ONALASKA, WI 54650



ADDRESS		LOCATION	
700 STATE ST		LA CROSSE, WI	
FIELD BY:	DATE:	1	
DRAFTED BY:	DATE:		
DESIGNED BY:	DATE:		
ASBUILTS BY:	DATE:		



City of La Crosse, Wisconsin

City Hall
400 La Crosse Street
La Crosse, WI 54601

Text File

File Number: 24-1599

Agenda Date: 12/23/2024

Version: 1

Status: Agenda Ready

In Control: Board of Public Works

File Type: Request

Agenda Number:



DISCONTINUANCE/VACATION OF PUBLIC RIGHT-OF-WAY

City of La Crosse - Engineering Department

Phone: 608-789-7505 Email: engineering@cityoflacrosse.org

Property Owner Name: Gerrard Development LLC		Date: 12/04/2024
Mailing Address: 100 6th Street N, Suite A, La Crosse, WI 54601		
Phone: (608)782-4376	Email: paul@gerrardcompanies.com	
Description of street/alley sought to vacate: The east 137.88ft of the alley between 9th Street N and 10th Street N. being south		
of State Street and north of Main Street, <i>THE EAST 117.88'</i>		
Reason for Request: The discontinuance of the alley as described above was approved by the La Crosse City Council on January 11, 2024 as part of a rezoning General Development Plan and, as such, is a key requirement to continue with the project as approved.		
<p>A vacation of a public way is the process of discontinuing public use and returning dedicated public right-of-way to private property. Upon discontinuance, the right-of-way reverts to the owners of the adjoining land where the discontinued land originated or is equally divided between the owners on either side of the centerline of the discontinued public way. See statutory requirements (§66.1003, Wis. Stats) and the City's process.</p> <p style="text-align: center;"><i>PD CLK 12/4/24 VC</i></p> <p>Required Items to submit:</p> <ul style="list-style-type: none"> Application fee (nonrefundable) of \$750 (partial) or \$1,500 (full) payable to the "City of La Crosse" <p>I certify that I have reviewed the Municipal Code and understand all that is related to this permit request. I further certify that I have the full authority to make the foregoing application; the information in the application and the required submittals are complete and correct.</p>		
Signature of Owner:	Print Name of Owner: Paul Gerrard	Date: 12/04/2024

Hi Matt,

We have been directed to ask for a review of storm water specific components as a result of our initial Design Standards review meeting. Specifically, to "Work with the Director of Public Works to request this review."

We submitted a full storm water report for the Haven on Main project as part of our design review in preparation for submitting for a final development plan. The submitted plan is in conformance with the approved General Development Plan approved by the City earlier this year. We are requesting that the City take a serious review of the submitted plans in order to provide us with the necessary guidance to complete our final plan submittals.

We were told at the design review meeting that Yuri would not review the information because this was not our "final" review meeting. It seems that the City should be able to provide binding guidance on a project like this without fully committing to a final approval. It makes no sense for us to continue with vacating the alley and relocating overhead utilities without some level of acknowledgement that our proposed storm water plan solutions are acceptable to the City. I feel like we are being told to implement the plan (Yuri told us that we need to start the request for the alley to be vacated, which is an implementation step not a planning step) without approval of necessary, critical components.

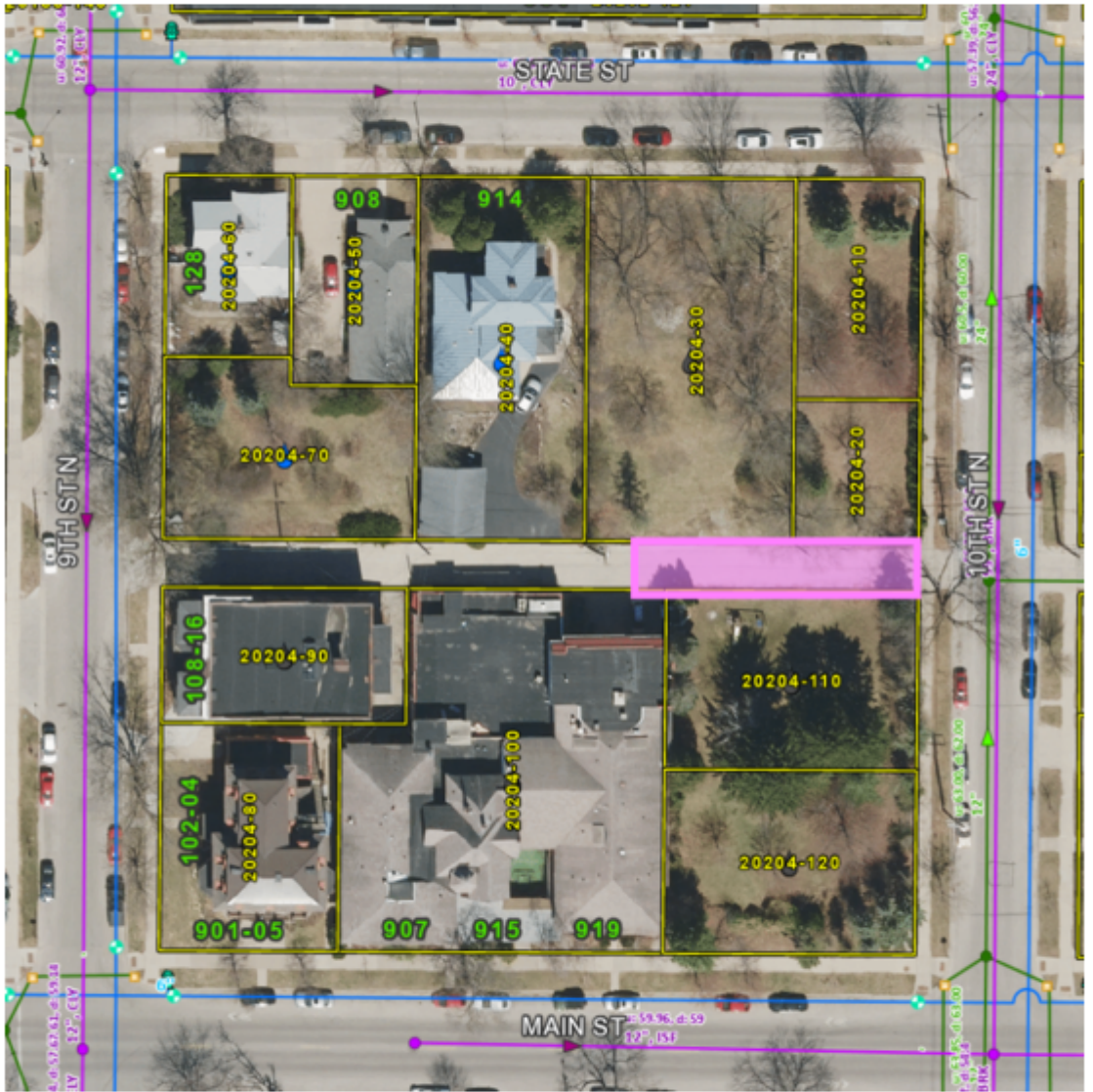
Please direct Yuri to perform a full review as soon as possible (presuming things like submitting a petition to vacate the necessary portion of the alley, the final vacation of the alley, easements for Xcel, easements for Spectrum, easements for Bright Speed, easements to the City for storm sewers, easements to the City for access, combining of parcels, final CSM, DNR review, DSPS review, final LTMA for storm water systems, and relocation of overhead utilities will all occur in appropriate timeframes).

If the City is not willing or able to provide this binding guidance in the next two weeks, please provide detailed reasons why and a list of what we need to do to get binding guidance (not final approval) from the City for the proposed project.

Thank you,

Jeff

Jeffrey S. Moorhouse, President
Paragon Associates, Inc.





City of La Crosse, Wisconsin

City Hall
400 La Crosse Street
La Crosse, WI 54601

Text File

File Number: 24-1605

Agenda Date: 12/16/2024

Version: 1

Status: Agenda Ready

In Control: Board of Public Works

File Type: General Item



**REVOCABLE OCCUPANCY / STREET PRIVILEGE PERMIT APPLICATION
FOR COMMUNICATIONS (FIBER OPTICS, TELEPHONE, CABLE, ETC.)
City of La Crosse Engineering Department**

Phone: 608-789-7505 Email: engineering@cityoflacrosse.org <http://cityoflacrosse.org>

Encroachment Owner: _____
 Address: _____ City: _____ State: _____ Zip: _____
 Phone # _____ Email Address _____

Application Preparer (if different from above) _____
 Relationship with Owner: _____
 Phone # _____ Email Address _____

Description of Proposed Encroachment:

Encroachment Addresses (List by Street and 100 blocks):

I certify that I have reviewed the Municipal Code and understand all that is related to this permit request. I further certify that I have the full authority to make the foregoing application; the information in the application and the required submittals are complete and correct; the Work or Use performed shall comply with all the laws of the State of Wisconsin, and all ordinances, rules, regulations, policies and special conditions of the City of La Crosse. The applicant agrees to perform the work covered by an approved permit with diligence and convenience to the public. **See Sheet 2 of 2 for Additional Conditions.**

Signature of Owner or designee: _____ Date: _____
 Print Name and Title: _____

Please return this completed application along with required information and fees noted on checklist below to: City of La Crosse, Engineering Department, 400 La Crosse Street, La Crosse, WI 54601. You will then be given notice of when your request will be on the Board of Public Works agenda for consideration. **Average completion time for validation 45 days.**

BELOW THIS LINE TO BE COMPLETED BY CITY STAFF ONLY

Required items to be provided by Applicant:

- Scale Drawing of encroachments
 (Complete Utility Locate by Digger's Hotline Required)
- Certificate of Insurance (City as additional Insured)
- Initial Application Fee \$ _____
- City Utility Potential Conflict Notification and Sign-Off

**Board of Public Works
Approval Date:**

Encroachment Type:

Permit Number:

All Fees are Non-Refundable & Subject to change by City Council

SHEET 1 OF 2



REVOCABLE OCCUPANCY / STREET PRIVILEGE PERMIT APPLICATION

City of La Crosse Engineering Department

Phone: 608-789-7505 Email: engineering@cityoflacrosse.org <http://cityoflacrosse.org>

STREET PRIVILEGE PERMIT CONDITIONS FOR COMMUNICATIONS INSTALLATIONS

1. The applicant shall be primarily liable for damages to person or property by reason of the granting of this street privilege permit.
2. The applicant shall obtain an excavation permit from the City of La Crosse Engineering Department prior to performing installation or any maintenance on the cable in the City right-of-way that requires excavation or disruption of pavement, sidewalk, curb and gutter, or other structure.
3. The applicant agrees that tracer wires shall be used and final cable location within the street right-of-way shall be approved by the City Engineer. Cable shall be installed not less than 36 inches deep, unless otherwise approved by the City Engineer.
4. Applicant agrees to provide the City of La Crosse with final "as-built" plans when installation is complete.
5. Applicant agrees that any pavement, concrete or green space disturbed during drilling activities shall be restored to its prior condition.
6. Applicant agrees that said installation shall not interfere with the City's water, sanitary sewer, or storm sewer underground infrastructure that may be in the area.
7. Applicant further agrees that they will make arrangements with the public utility companies and the City of La Crosse to clear all public underground utilities prior to initiating such work, and if necessary, applicant will make arrangements with the City of La Crosse to ensure proper traffic control.
8. Applicant waives any and all rights to contest in any way or manner the validity of Sec. 66.0425 of the Wisconsin Statutes and the amount of compensation charged.
9. Applicant agrees to become a member of Diggers Hotline for marking / locating of utility.
10. The applicant for a permit to encroach on the public right-of-way shall procure and maintain for the duration of the permit a minimum liability and contractual liability policy in the amount of \$100,000.00 each person, \$300,000.00 each accident for bodily injury and \$100,000.00 for property damage. A certificate of such insurance shall be filed with the City Attorney as part of the application. The insurance shall name the City, its officials, employees and agents as additional insureds. The Board may approve greater insurance protection on a case-by-case basis.
11. Applicant further agrees to hold harmless the City for any damage to said cable while the City, its agents or contractors are conducting construction for maintenance activities in or upon such area in which said cable lies; provided, however, the City shall make a good faith effort to notify applicant of any maintenance or work in the area of the street privilege permit which may damage applicant's cable.
12. Applicant agrees to remove the cable and return the area to its original condition upon ten (10) days' notice by the Board of Public Works. The applicant further agrees that if it does not remove the cable within ten (10) days after receiving notice, the City is authorized to remove the same and applicant agrees to pay the City for all costs of such removal.
13. Applicant further agrees that the obligations and conditions of this street privilege permit shall be binding upon all heirs, successors and assigns of applicant.
14. The person(s) signing this Permit warrant that they have the authority to sign as, or on behalf of, the party for whom they are signing.



TASK NAME: WILC-FR03

TASK DESCRIPTION: FIBER OPTIC CONDUIT PLACEMENT

SITE LOCATION: LACROSSE, WI, USA



3701 COMMUNICATIONS WAY
EVANSVILLE, IN, 47715



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

PROJECT INFORMATION

TASK NAME: WILC-FR03
 TASK DESCRIPTION: FIBER OPTIC CONDUIT PLACEMENT
 SITE LOCATION: LACROSSE, WI, USA
 SITE TYPE: UNDERGROUND FIBER-OPTIC CONSTRUCTION
 JURISDICTION: LACROSSE, WI, USA
 APN: -
 ZONING CLASSIFICATION: -
 OCCUPANCY TYPE: -
 CONSTRUCTION TYPE: -
 APPLICANT: METRO FIBERNET, LLC
 ADDRESS: 3701 COMMUNICATIONS WAY
EVANSVILLE, IN, 47715
 CONTACT: TARAN WELCHLIN
 PHONE: (608) 606-2043
 EMAIL: TARAN.WELCHLIN@METRONET.COM

NOTE: DRAWING SCALES ARE FOR 11"x17" SHEETS UNLESS OTHERWISE NOTED

PROJECT CONSULTANTS

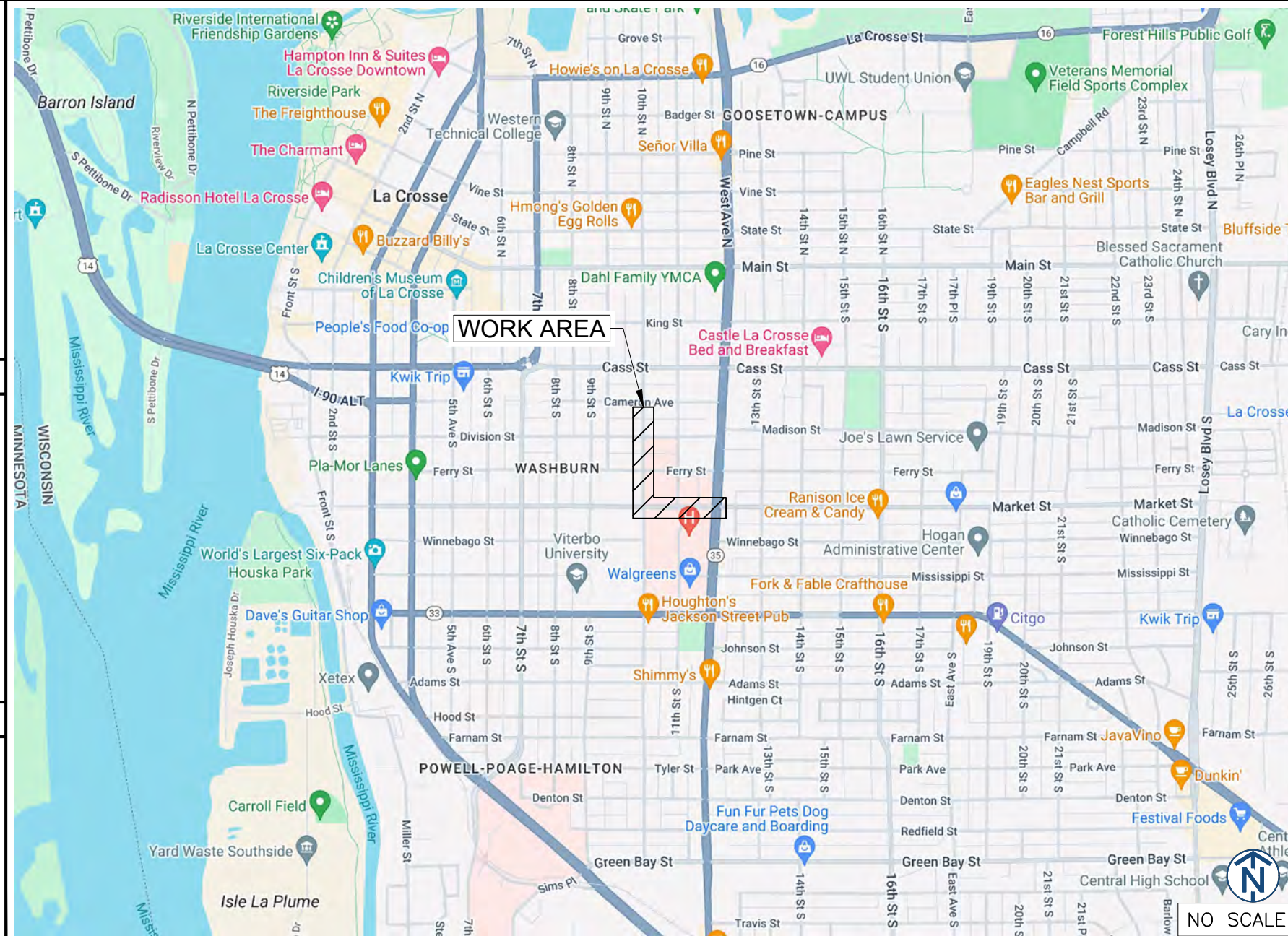
PROJECT MANAGER: FULLERTON ENGINEERING CONSULTANTS, LLC
 ADDRESS: 1100 E. WOODFIELD ROAD, SUITE 500
 CONTACT: MICHELLE KAMINSKI
 PHONE: (616) 262-8400
 EMAIL: MKAMINSKI@FULLERTON-US.COM
 ENGINEER: FULLERTON ENGINEERING CONSULTANTS, LLC
 ADDRESS: 1100 E. WOODFIELD ROAD, SUITE 500
SCHAUMBURG, ILLINOIS 60173
 EOR: DAN SMITH, P.E.
 PHONE: 847-908-8521
 EMAIL: DSMITH@FULLERTONENGINEERING.COM
 POWER COMPANY:
 PHONE:
 TELEPHONE COMPANY:
 PHONE:

SCOPE OF WORK

THE SCOPE OF WORK CONSISTS OF:
 INSTALLATION OF:
 • 1,629' OF DIRECTIONAL BORE PATH
 • 5,679' OF 1.25" CONDUIT
 • (3) L-HANDHOLE 30X48X24

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

SITE LOCATION MAP



REV	DATE	DESCRIPTION	BY
A	07/22/24	ISSUED FOR REVIEW	HT
B	10/15/24	REVISED	BP
C	11/05/24	REVISED	BP
D	11/12/24	REVISED	BP
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TASK NAME
WILC-FR03

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

SHEET SCALE
N.T.S.

SHEET TITLE
TITLE SHEET

GRID NUMBER

SHEET NUMBER
T-1

NO SCALE

LEGEND

REV	DATE	DESCRIPTION	BY
A	07/22/24	ISSUED FOR REVIEW	HT
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TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

SHEET SCALE
N.T.S.

SHEET TITLE
LEGEND

GRID NUMBER

SHEET NUMBER
T-3

PROPOSED

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

SEWER

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

WATER

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

GAS

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

DEO/ELECTRIC

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

COMMUNICATIONS

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

MISCELLANEOUS

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

1. THE ENCLOSED DESIGN MAY IMPLY EXISTING UTILITIES. THE UTILITIES HAVE NOT BEEN FIELD VERIFIED FOR LOCATION. THEREFORE, ALL UTILITIES IMPLIED WITHIN THIS DOCUMENT ARE TO BE REFERRED TO AS A "REFERENCE TOOL". IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND/OR ITS SUBCONTRACTOR TO VERIFY THESE UTILITIES USING ANY AND ALL METHODS AND INSTRUMENTS AVAILABLE IF/WHEN NECESSARY. FULLERTON CANNOT IN GOOD FAITH GUARANTEE UTILITY LOCATIONS. ANY AND ALL DOCUMENTATION ON EXISTING UTILITIES HAS BEEN IMPLIED UTILIZING INFORMATION RETRIEVAL PROCESSES FROM EACH JURISDICTION INVOLVED (STATE, COUNTY AND/OR MUNICIPALITY, TO INCLUDE OTHERS).
2. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE ALL CONDUITS ARE PLACED WITHIN THE GIVEN & DEDICATED SPACE LICENSED FOR THIS PARTICULAR CLIENT. FULLERTON ENGINEERING CONSULTANTS, INC. (FULLERTON) WAS NOT RETAINED FOR THE PURPOSE OF SUPPORTING A SURVEY OF THE AREA AND PROPERTY BOUNDARIES, THEREFORE FULLERTON CAN NOT AND WILL NOT SUPPORT THE ACCURACY OF ANY IMPLIED BOUNDARY (I.E. PUBLIC WAY, PRIVATE PROPERTY, EASEMENT ETC.) NOR IS IT TO BE ASSUMED THAT THE SALE OF PROPERTIES HAS NOT OCCURRED DURING & AFTER FULLERTON'S RESPONSIBILITIES FOR THIS PROJECT HAVE PAST. ALL BOUNDARIES, EASEMENTS, PROPERTY LINES, ETC. ARE TO BE USED AS A GUIDELINE OR REFERENCE AND SHOULD NOT BE TAKEN LITERALLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE ASSOCIATED BOUNDARIES SURVEY STAKED IF SO QUESTIONED. ALL ASPECTS OF BOUNDARIES IMPLIED HEREIN, HAVE BEEN DERIVED THROUGH AVAILABLE MEDIA SUCH AS BUT NOT LIMITED TO (SIDWELL, GOOGLE EARTH PRO. MUNICIPAL, STATE, COUNTY, GIS, AND OTHER RECORD TYPES). FULLERTON DOES NOT AGREE NOR DISAGREE WITH THE ABOVE-MENTIONED RECORDS AS THEY ARE USED JUST A REFERENCE TOOL.
3. ALL BURIED OBSTRUCTIONS KNOWN BY FULLERTON ARE SHOWN ON THE CONSTRUCTION DRAWINGS. ANY AND ALL OTHERS ENCOUNTERED DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PROTECT.
4. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY.
5. SHORING MAY BE REQUIRED AND SHALL COMPLY TO O.S.H.A. STANDARDS.
6. ALL BURIED CONDUIT/CABLE WILL BE PLACED AT 30-48" MINIMUM COVER UNLESS SPECIFIED OR OTHERWISE NOTED ON THE CONSTRUCTION DRAWINGS.
7. ANY AND ALL IMPROVEMENTS, IF DAMAGED, SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION. THIS INCLUDES BUT IS NOT LIMITED TO: ASPHALT, CONCRETE PAVEMENT, CURBS, GUTTERS, SIDEWALKS, DRAINAGE DITCHES, EMBANKMENTS, SHRUBS, TREES, GRASS SOD, ETC..
8. ALL FIBER INSTALLATIONS SHALL OBSERVE A MINIMUM DYNAMIC BEND RADIUS OF 20X THE CABLE DIAMETER FOR ALL OSP FIBER SHEATHS AND 15X THE CABLE DIAMETER FOR ALL ISP FIBER SHEATHS. ADDITIONALLY, ALL INSTALLATIONS SHALL OBSERVE A MINIMUM STATIC BEND RADIUS OF 15X THE CABLE DIAMETER FOR ALL OSP FIBER SHEATHS AND 10X THE CABLE DIAMETER FOR ALL ISP FIBER SHEATHS. IF THE MANUFACTURER'S SPECIFICATIONS FOR BEND RADIUS ARE GREATER, THEN THEY SHALL BE FOLLOWED.
9. ALL NEW METALLIC AERIAL STRAND SHALL BE BONDED/GROUNDED (PREFERABLY TO THE POWER COMPANY NEUTRAL) PER LOCAL REQUIREMENTS. AT A MINIMUM, THE BONDING/GROUNDING PATTERN SHALL BE THE FIRST AND LAST POLE OF A RUN AND EVERY TENTH POLE IN THE RUN. SHOULD ONE OF THESE DESIGNATED POLES SUPPORT A POWER TRANSFORMER, THE POLES ON EITHER SIDE OF SAID POLE SHALL BE BONDED/GROUNDED AND THE PATTERN SHOULD CONTINUE EVERY TENTH POLE FROM THAT STARTING POINT.
10. ALL AERIAL FIBER OPTIC CABLES SHALL BE SECURELY LASHED TO AERIAL STRAND BY METHOD OF MECHANICAL LASHING CARRIAGE OR APPROVED EQUAL.
11. ALL FIBER OPTIC CABLES INSTALLED BELOW GRADE SHALL BE OF AN ARMORED VARIETY WITH METALLIC INNER SHEATH, OR BE PLACED WITH A METALLIC LOCATING WIRE TO FACILITATE FUTURE LOCATING SERVICES.
12. ALL CONDUIT OR DUCT CONSTRUCTION SHALL INCLUDE THE PLACEMENT OF PULLING TAPE OF SUFFICIENT SIZE AND GRADE TO FACILITATE THE INSTALLATION OF THE SPECIFIED FIBER TYPE THROUGH CONDUIT BEING UTILIZED (JETLINE USE TO BE APPROVED BY CLIENT).
13. ALL FUSION SPLICING SHALL BE COMPLETED BY A QUALIFIED FIBER SPLICER IN A CLEAN TEMPERATURE CONTROLLED TRUCK, TRAILER, OR SHELTER SPECIFICALLY TOOLED OR DESIGNED FOR THE PURPOSE OF FUSION SPLICING FIBER OPTIC CABLES IN A FIELD ENVIRONMENT.
14. ALL MECHANICAL SPLICES AND FACTORY ENDS SHALL BE KEPT CLEAN AND FREE FROM DUST, DIRT, OILS, AND SMEARS. CARE SHOULD BE TAKEN TO MATCH POLISH TYPES ON FACTORY ENDS.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL CORRECTIONS TO WORK IDENTIFIED AS UNACCEPTABLE BY CLIENT, ENGINEER, OR INSPECTOR, DURING SITE INSPECTION ACTIVITIES AND/OR AS A RESULT OF TESTING. CONTRACTOR SHALL ALSO PROVIDE ALL AS-BUILT INFORMATION UPON COMPLETION OF INSPECTION.
16. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH. AT THE COMPLETION OF THE WORK, CONTRACTOR SHALL REMOVE FROM THE SITE ALL REMAINING RUBBISH, IMPLEMENTS, TEMPORARY FACILITIES, AND SURPLUS MATERIALS. CONTRACTOR TO RETURN SITE TO PREVIOUS OR BETTER CONDITION.
17. DRAWINGS ARE INTENDED TO SHOW DESIGN INTENT. CONTRACTOR SHALL PROVIDE MATERIALS AND LABOR AS REQUIRED TO PRODUCE A COMPLETE AND FUNCTIONING SYSTEM WHILE MEETING ALL CODES AND SPECIFICATIONS. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS. SUCH MODIFICATIONS SHALL BE INCLUDED IN THE WORK. SAID DESIGN IS INTENDED TO AVOID DISRUPTION OF ANY HANDICAP RAMPS OR STRUCTURES AS DESCRIBED PER THE AMERICANS WITH DISABILITIES ACT OF 1990.

18. CONTRACTOR SHALL WORK WITH CLIENT TO IDENTIFY ALL CONTRACTOR SUPPLIED MATERIALS TO CONSTRUCT NETWORK PER SPECIFICATIONS.
19. THE CONTRACTOR SHALL PROVIDE ALL MATERIAL, EQUIPMENT, LABOR, INSTALLATION, RESTORATION, UTILITY RELOCATION CHARGES, JOB SITE DELIVERY COSTS AND INCIDENTALS TO COMPLETE THE DESCRIBED OR ILLUSTRATED WORK UNDER THIS CONTRACT.
20. ANY CHANGE-ORDER REQUEST MUST BE PRESENTED IN WRITING TO THE OWNER'S REPRESENTATIVE AND APPROVED PRIOR TO PROCEEDING WITH THE REQUESTED CHANGE.
21. THE ENGINEER WILL NOT BE RESPONSIBLE NOR ASSUME ANY LIABILITY FOR NEGLIGENT ACTS OR ERRORS OF OMISSIONS OF ANY CONTRACTOR, ANY SUBCONTRACTOR, OR ANY OF THE PERSONS (EXCEPT ENGINEER'S OWN EMPLOYEES) AT THE PROJECT SITE OR OTHERWISE PERFORMING ANY OF THE WORK OF THE PROJECT. ANY CONTRACTOR OR SUBCONTRACTOR, AS WELL AS THE ENGINEER, WILL BE RESPONSIBLE FOR HIS OWN SAFETY PROGRAM. NEITHER THE PROFESSIONAL ACTIVITIES OF THE ENGINEER, NOR THE PRESENCE OF THE ENGINEER OR HIS OR HER EMPLOYEES AND SUB-CONSULTANTS AT THE CONSTRUCTION SITE, SHALL RELIEVE ANY CONTRACTOR OF HIS OR HER OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING, SUPERINTENDING OR COORDINATING ALL PORTIONS OF THE WORK OF CONSTRUCTION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES. THE ENGINEER AND HIS OR HER PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR OTHER ENTITY OR THEIR EMPLOYEES IN CONNECTION WITH ANY HEALTH OR SAFETY PRECAUTIONS.
22. ALL MATERIALS INSTALLED WITHIN THE LIMITS OF THIS PROJECT SHALL BE IN CONFORMANCE WITH STANDARD RECOMMENDATIONS OF THE NATIONAL ELECTRIC MANUFACTURER'S ASSOCIATION (NEMA) AND THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).
23. THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND COMPLY WITH THE REQUIREMENTS OF ALL AGENCIES HAVING JURISDICTION OVER THE WORK AND SHALL COORDINATE HIS WORK WITH THE WORK PERFORMED BY OTHERS FOR THE PURPOSE OF INSTALLATION. THIS INCLUDES, BUT IS NOT LIMITED TO, ALL WORK WITH ALL PUBLIC AND PRIVATE UTILITIES AS WELL AS CITY AND STATE AGENCIES.
24. CONTRACTOR SHALL RECORD THE LOCATION AND ELEVATION OF ALL UTILITIES ENCOUNTERED, AND INSTALLATION OF NEW WORK, AS THE WORK PROGRESSES AND SHALL PREPARE RECORD DRAWINGS (RED-LINES) BASED ON HIS RECORDS. AS A PART OF THE RECORD DRAWINGS, CONTRACTOR SHALL ALSO PROVIDE HORIZONTAL AND VERTICAL CONFIGURATION OF CONDUITS WHERE MULTIPLE CONDUITS ARE INSTALLED. THESE RECORDS ARE TO BE SUPPLIED TO FULLERTON ENGINEERING AT COMPLETION OF WORK.
25. MAINTAIN MORE THAN 2'-0" VERTICAL CLEARANCE AND MORE THAN 4'-0" HORIZONTAL CLEARANCE BETWEEN EXISTING SEWER OR SEWER STRUCTURES AND UTILITY. IF CITY SEWER FACILITIES ARE DAMAGED DURING CONSTRUCTION, IT MUST BE REPORTED TO CITY ENGINEERING SECTION AND MUST BE REPAIRED BY A LICENSED DRAIN LAYER UNDER THE SUPERVISION OF THE MASON INSPECTOR.
26. NO STORAGE OF EQUIPMENT OR MATERIALS IN THE ROADWAY IS PERMITTED UNLESS THE CONTRACTOR OBTAINS WRITTEN PERMISSION FROM THE CITY, STATE, AND/OR GOVERNING BODY.
27. CONTRACTOR RESPONSIBLE FOR OBTAINING AND PROVIDING REVIEW AND DESIGN OF ANY AND ALL SHORING SYSTEMS PRIOR TO CONSTRUCTION.
28. THE ENGINEER SHALL BE NOTIFIED FOR DISPOSITION OF SITUATIONS WHERE THE CONDUIT CANNOT MAINTAIN SEPARATIONS PER PLAN.
29. THE CONTRACTOR IS RESPONSIBLE FOR THE RESTORATION OF THE AREAS DISTURBED BY CONSTRUCTION ACTIVITIES. CONTRACTOR IS TO PAY ALL FEES AND OBTAIN ALL PERMITS FOR RESTORATION. CONTRACTOR IS TO RESTORE ALL DAMAGED STRUCTURES AND UTILITIES TO THE SATISFACTION OF THE FACILITY OWNER OR THE GOVERNING BODY, IN THE EVENT THAT DAMAGE OCCURS.
30. USE EXTREME CAUTION NEAR ALL GAS FACILITIES DURING CONSTRUCTION AND RELATED EXCAVATION ACTIVITIES, HAND EXCAVATION IS REQUIRED TO VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF GAS MAIN(S) PRIOR TO CROSSING AND WORKING WITHIN 3 FEET OF ALL GAS FACILITIES. A MINIMUM OF 3 FEET HORIZONTAL EDGE TO EDGE CLEARANCE IS REQUIRED FOR GAS MAINS WITH DIAMETERS OF 16 INCHES OR SMALLER, AND 5 FEET EDGE TO EDGE CLEARANCE FOR GAS MAINS WITH DIAMETERS 18 INCHES AND LARGER IN DIAMETER. THE USE OF CONCRETE, FLOW FILL, OR THE LIKE IS PROHIBITED WITHIN 24 INCHES OF ALL GAS FACILITIES, NOR SHALL IT ENCASE ANY GAS FACILITY. SAND IS TO BE USED AS A BUFFER BETWEEN FLOWABLE FILL AND ALL GAS FACILITIES, ANY DAMAGE TO GAS FACILITIES SHALL BE THE RESPONSIBILITY OF THE INSTALLING UTILITY AND THEIR CONTRACTORS.



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TASK NAME

WILC-FR03

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA

LACROSSE, WI, USA

SHEET SCALE

N.T.S.

SHEET TITLE

GENERAL NOTES

GRID NUMBER

SHEET NUMBER

GN-1

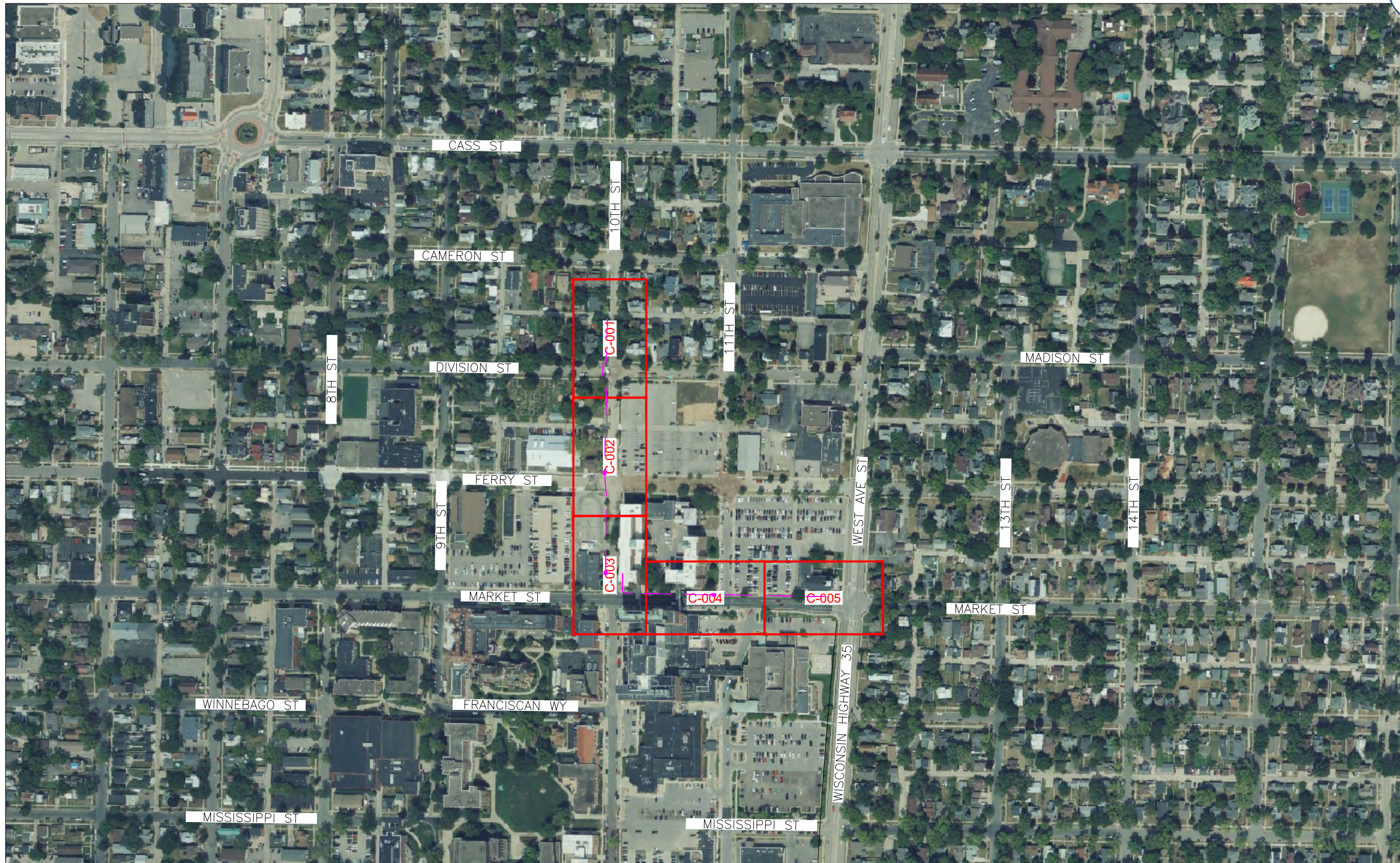


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3701 COMMUNICATIONS WAY
EVANSVILLE, IN, 47715



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



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WILC-FR03

TASK DESCRIPTION
**FIBER OPTIC CONDUIT
PLACEMENT**

PROJECT AREA
LACROSSE, WI, USA

SHEET SCALE
N.T.S.

SHEET TITLE
MAP

GRID NUMBER

SHEET NUMBER
MAP-1

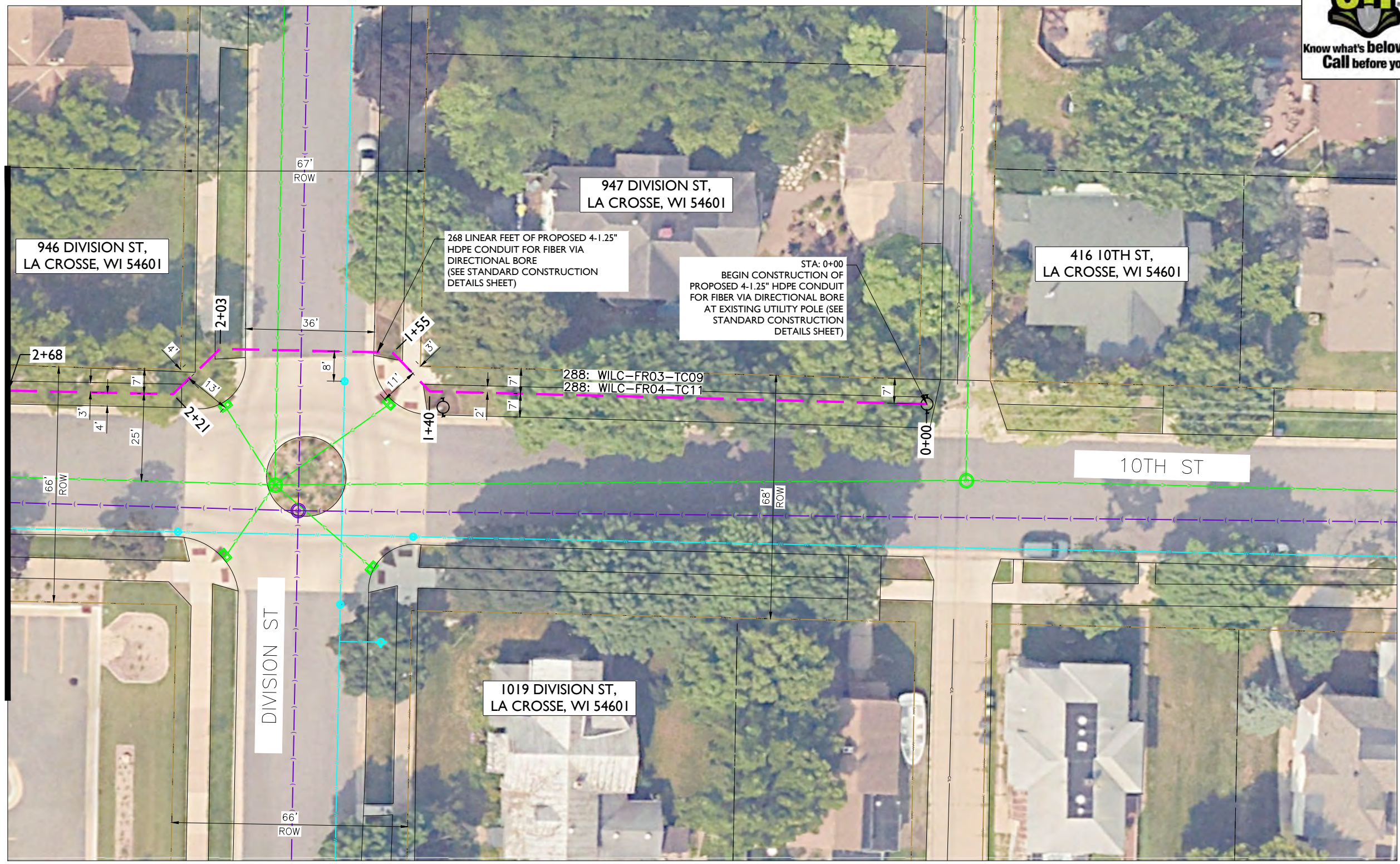


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MATCHLINE - SHEET C-02



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TASK NAME

WILC-FR03

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-01

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

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

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

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



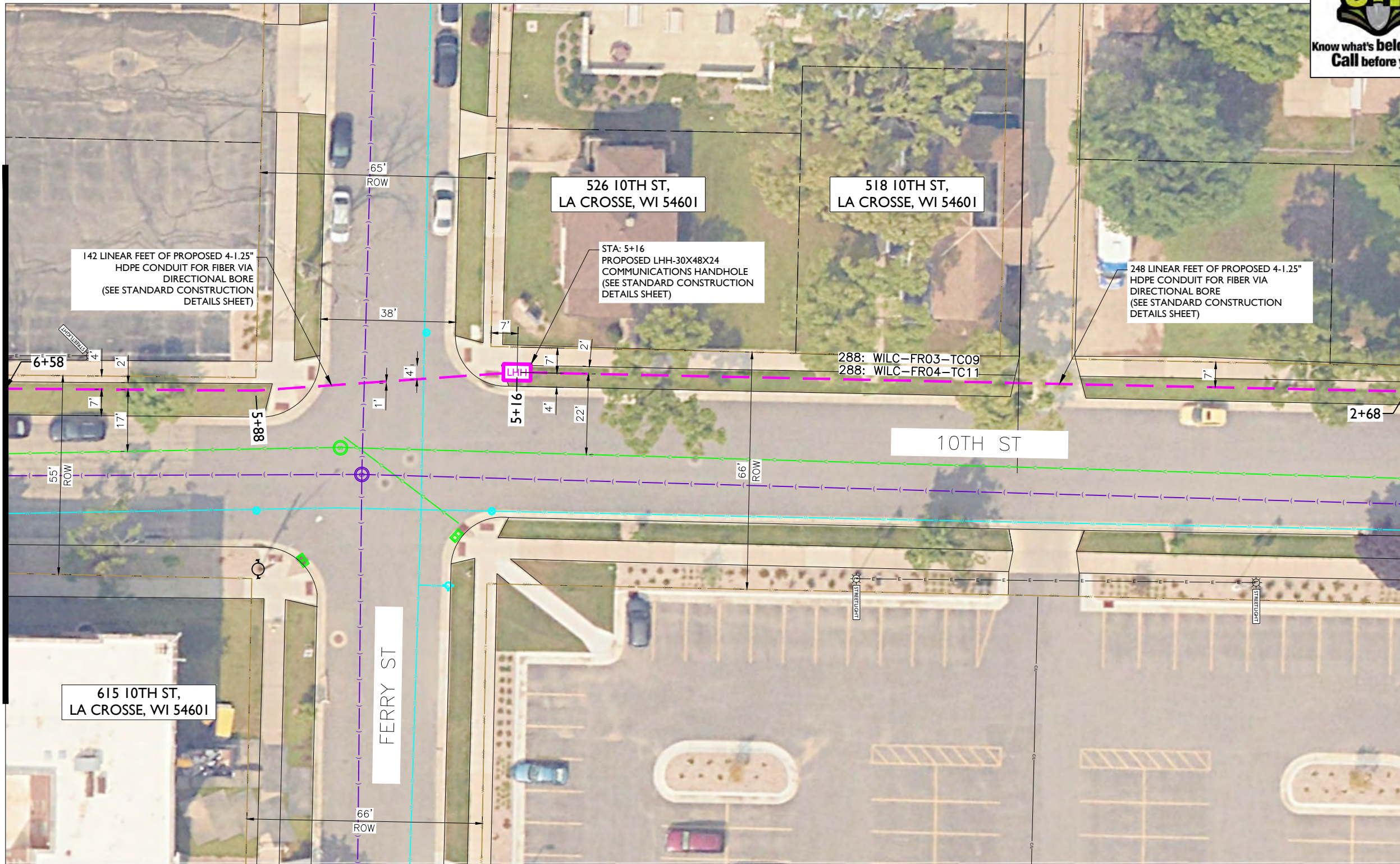


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EVANSVILLE, IN, 47715



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

MATCHLINE - SHEET C-03



MATCHLINE - SHEET C-01

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TASK NAME
WILC-FR03

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-02

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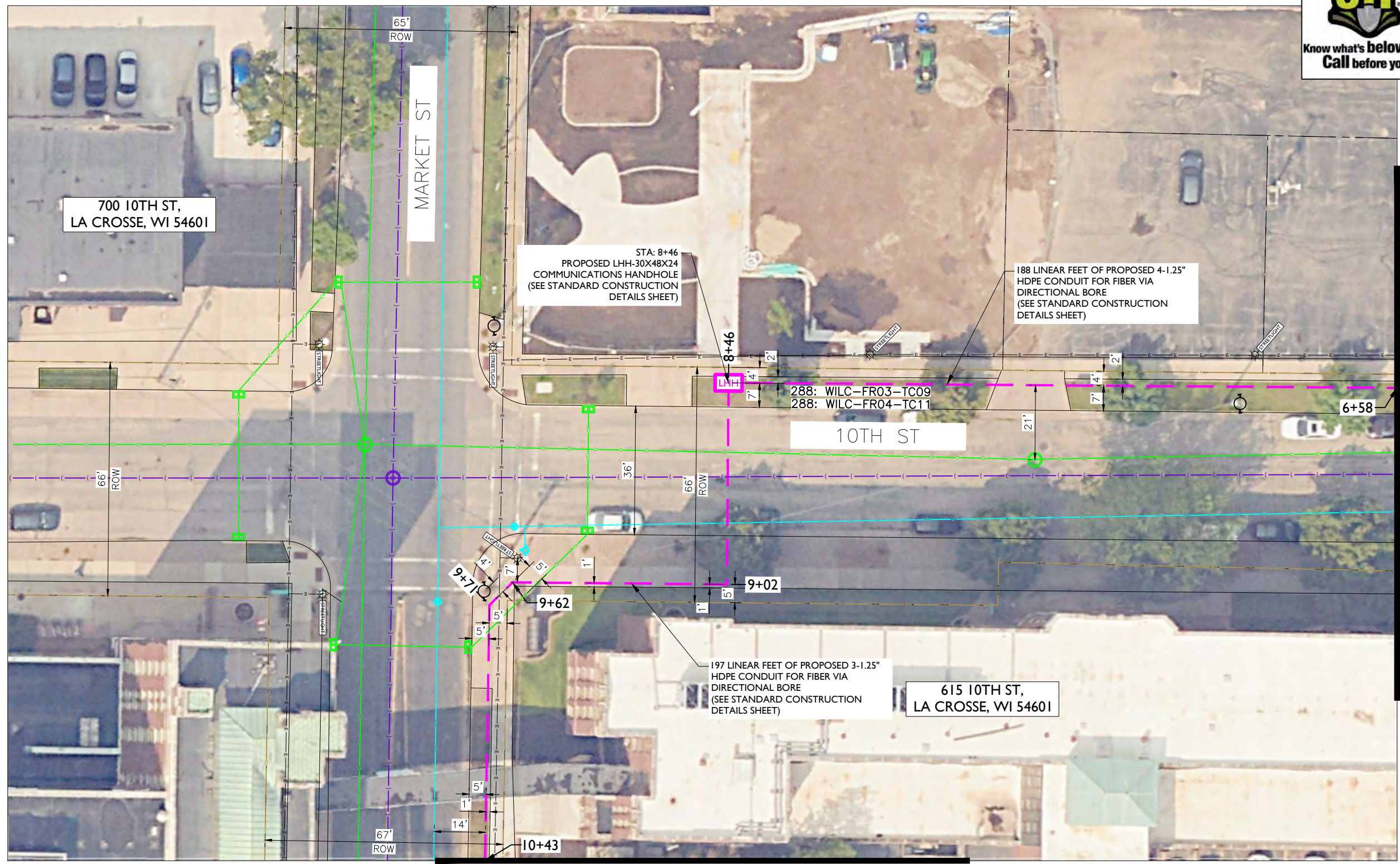




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MATCHLINE - SHEET C-02

MATCHLINE - SHEET C-04

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TASK NAME
WILC-FR03

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-03

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

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

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

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





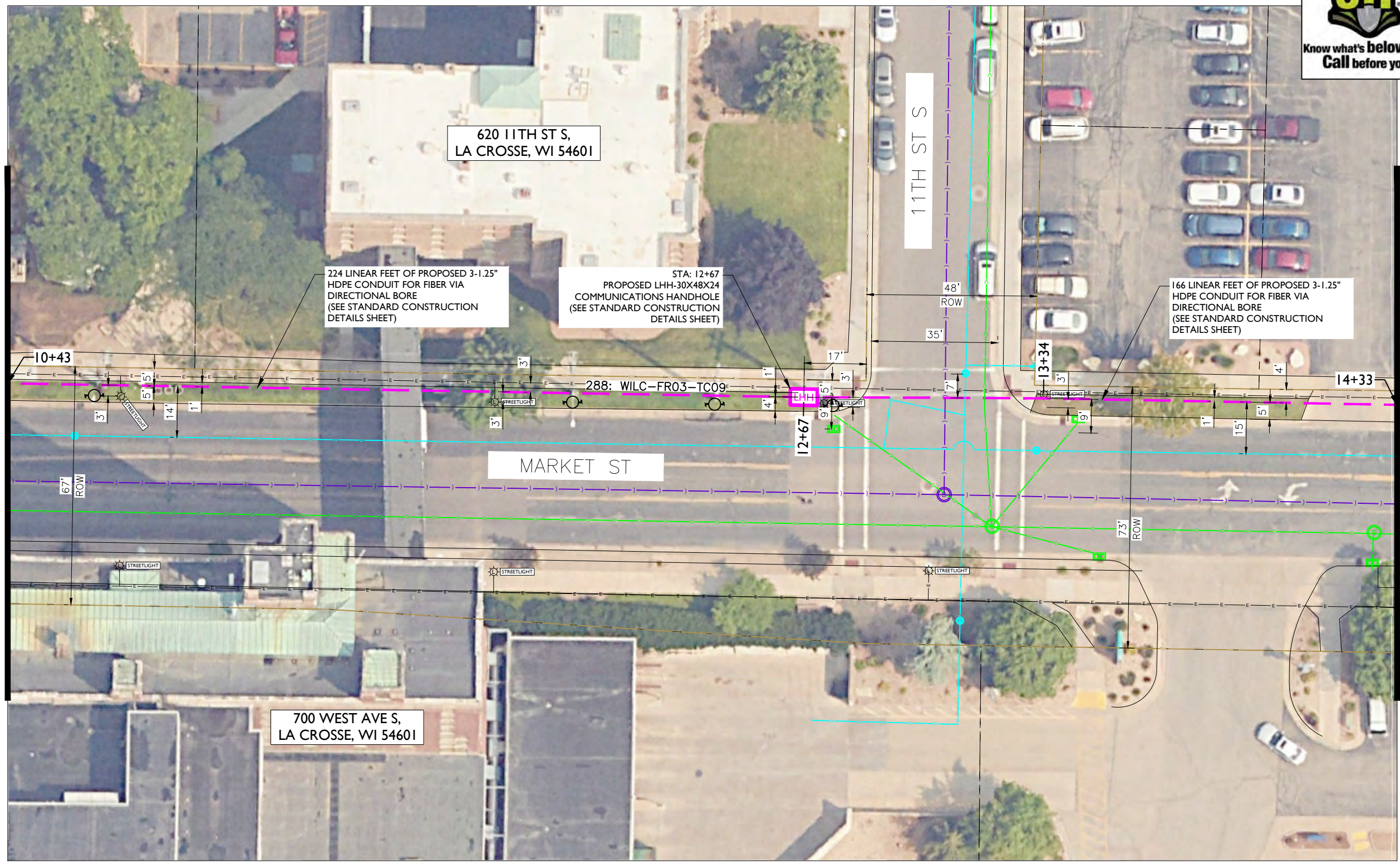
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MATCHLINE - SHEET C-03

MATCHLINE - SHEET C-05



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PROJECT AREA
LACROSSE, WI, USA

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-04

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

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

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

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



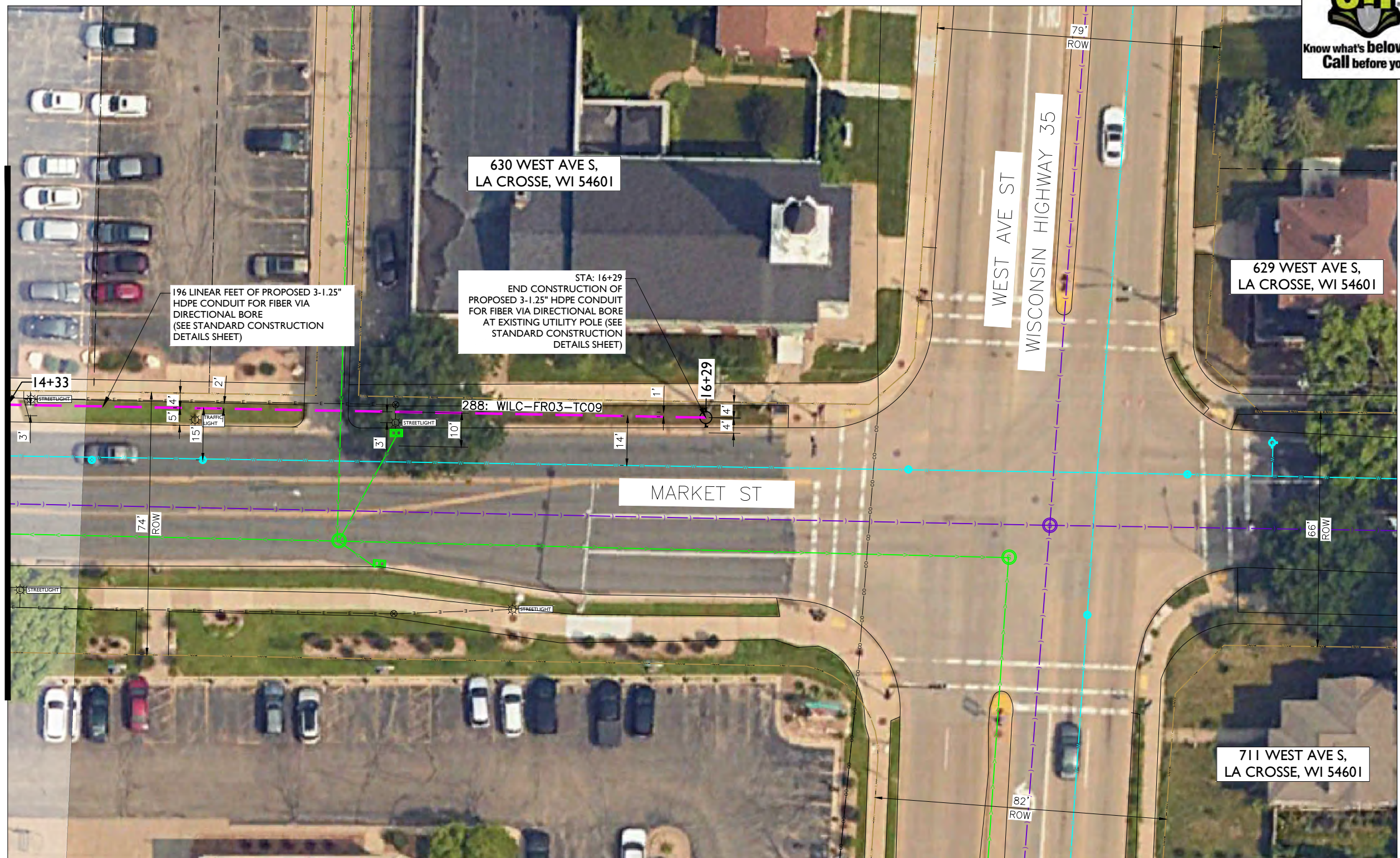


metronet
 3701 COMMUNICATIONS WAY
 EVANSVILLE, IN, 47715



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

MATCHLINE - SHEET C-04



REV	DATE	DESCRIPTION	BY
A	07/22/24	ISSUED FOR REVIEW	HT
B	10/15/24	REVISED	BP
C	11/05/24	REVISED	BP
D	11/12/24	REVISED	BP
E	12/11/24	REVISED	BP

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TASK NAME
WILC-FR03

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-05

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

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

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

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

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

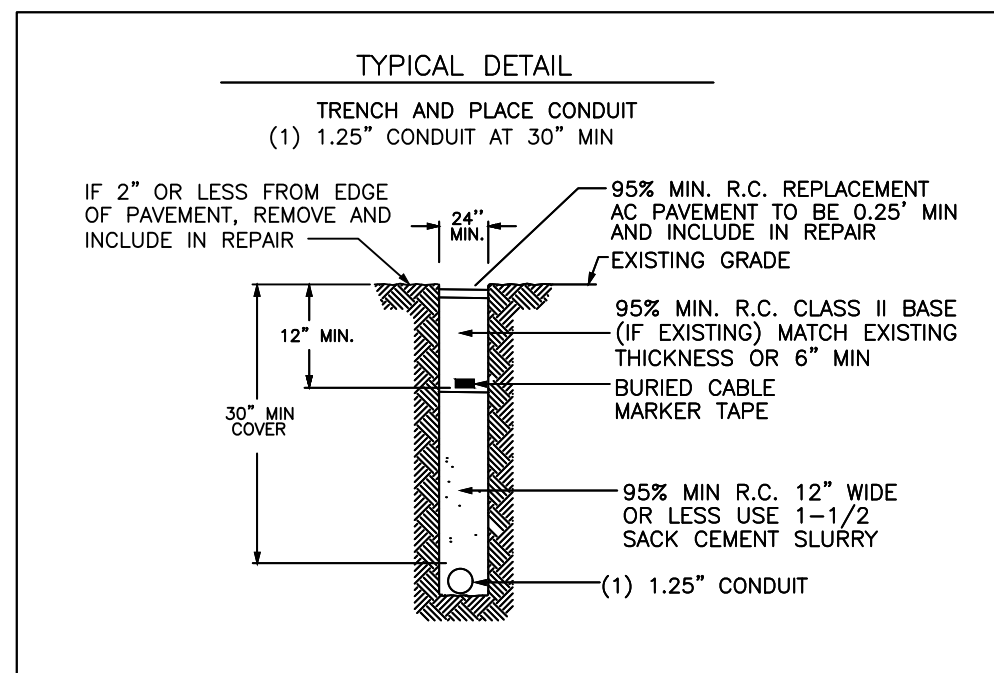
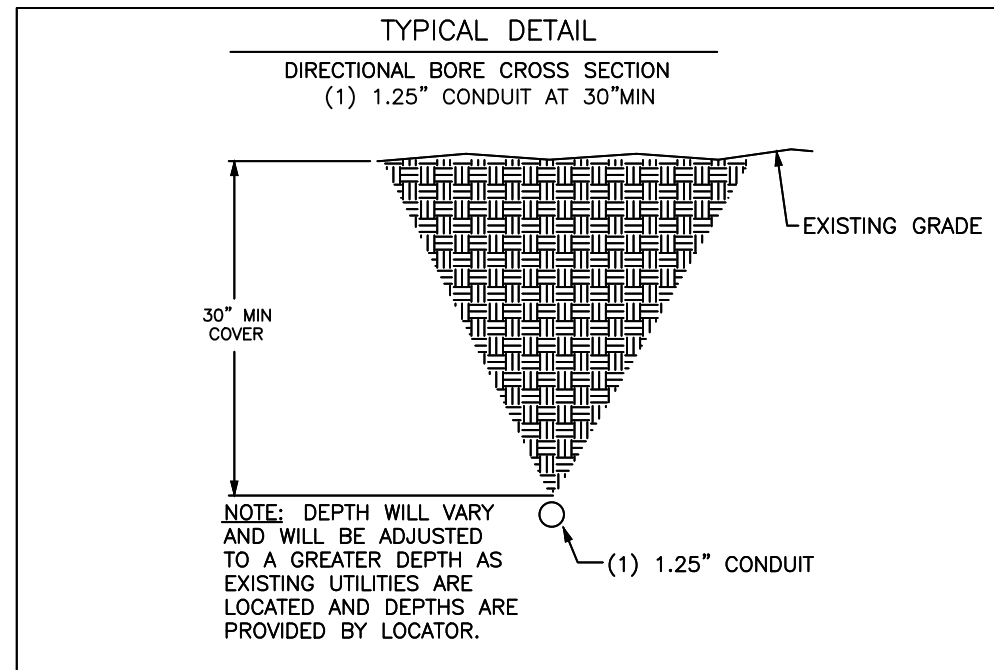


ADDITIONAL NOTES:

1. EXCEPT AS OTHERWISE NOTED, CONTRACTOR SHALL MAINTAIN A MINIMUM OF 24 INCHES OF SEPARATION FROM EXISTING UTILITIES.
2. CONTRACTOR SHALL POT HOLE 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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D	11/12/24	REVISED	BP
E	12/11/24	REVISED	BP

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TASK NAME

WILC-FR03

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA

LACROSSE, WI, USA

SHEET SCALE

N.T.S.

SHEET TITLE

DETAILS

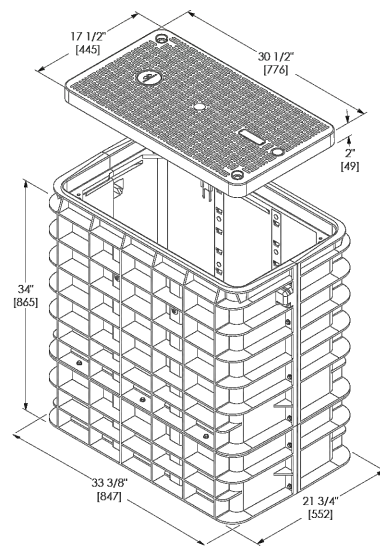
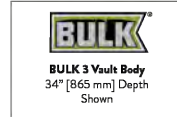
GRID NUMBER

SHEET NUMBER

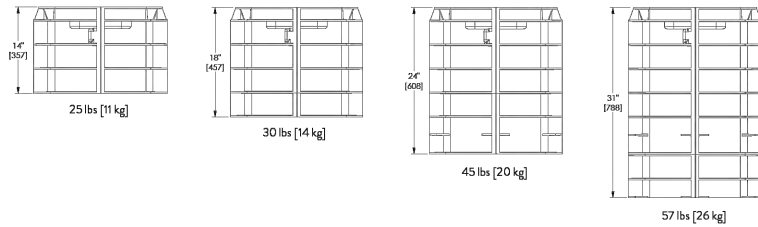
D-1

BODY SPECIFICATIONS

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

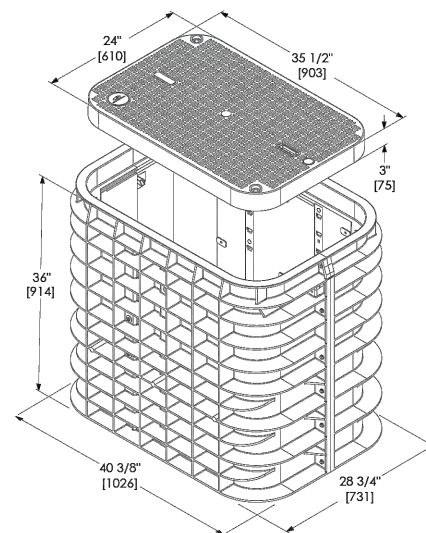
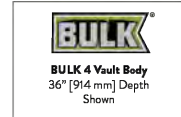


ADDITIONAL BODY DEPTHS

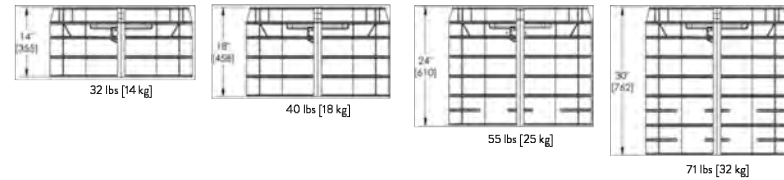


BODY SPECIFICATIONS

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

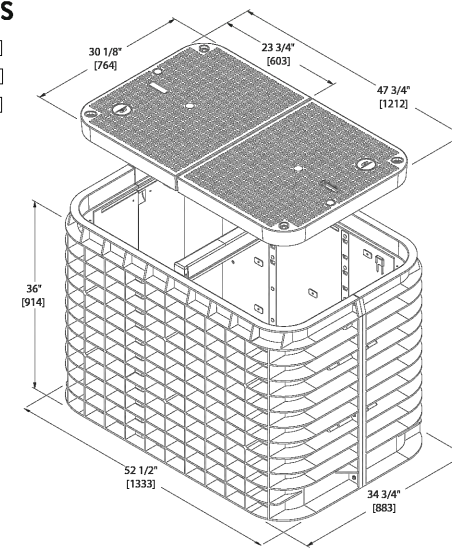
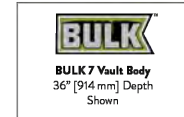


ADDITIONAL BODY DEPTHS

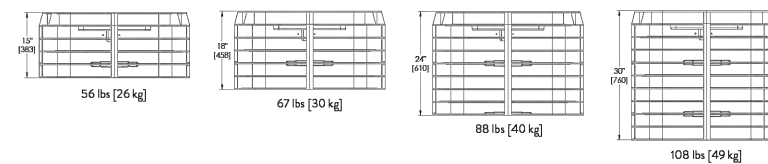


BODY SPECIFICATIONS

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

WILC-FR03

TASK DESCRIPTION
FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

SHEET SCALE
N.T.S.

SHEET TITLE
DETAILS

GRID NUMBER

SHEET NUMBER
D-2

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



SELFLOCK

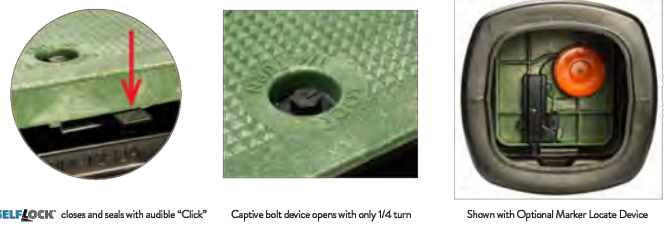
The New Signature Series SGLB High Density Polyethylene (HDPE) grade level box line come standard with Logo Disk and the Patented **SELFLOCK** automatic locking mechanism.

FEATURES

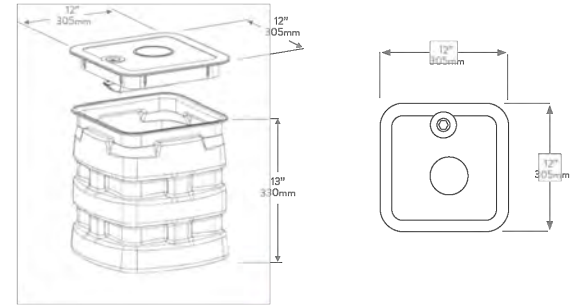
- 13" (330mm) Depth
- No bolts to be lost, misplaced, or not installed back into the unit

- Captive bolt device, that opens with a ¼ turn
- Press/Push lid closed, and it will automatically lock in place (with an audible "click")
- Protects your investment, and ensures the needed protection for your network
- Eliminates the risk of lids floating off, being throw by lawnmowers (i.e. reduces potentially liability)

SIMPLE AND WORRY FREE PROTECTION



DIMENSIONS



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

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040822 FR1

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



SELFLOCK

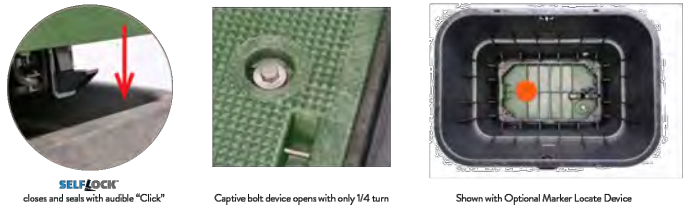
The Signature Series SGLB-2 High Density Polyethylene (HDPE) grade level box line comes standard with Customizable Logo Disk and the Patented **SELFLOCK** automatic locking mechanism.

FEATURES

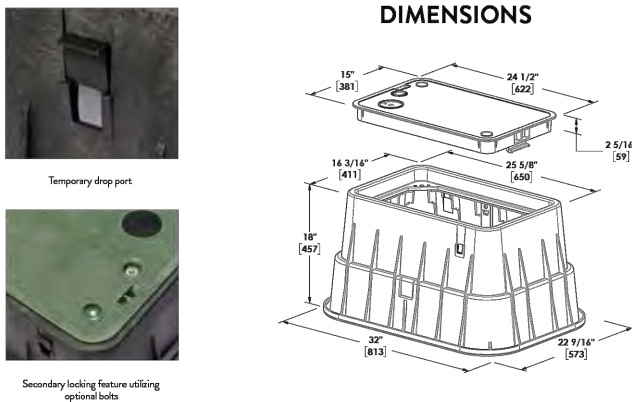
- Designed for Greenbelt/Pedestrian applications
- Captive bolt device, that opens with a ¼ turn

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

SIMPLE AND WORRY FREE PROTECTION



DIMENSIONS



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022624

metronet
 3701 COMMUNICATIONS WAY
 EVANSVILLE, IN, 47715

Fullerton
 DESIGN DEVELOP CONSTRUCT

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

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TASK NAME

WILC-FR03

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA

LACROSSE, WI, USA

SHEET SCALE

N.T.S.

SHEET TITLE

DETAILS

GRID NUMBER

SHEET NUMBER

D-3

NOTES:

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

ADA REQUIREMENTS:

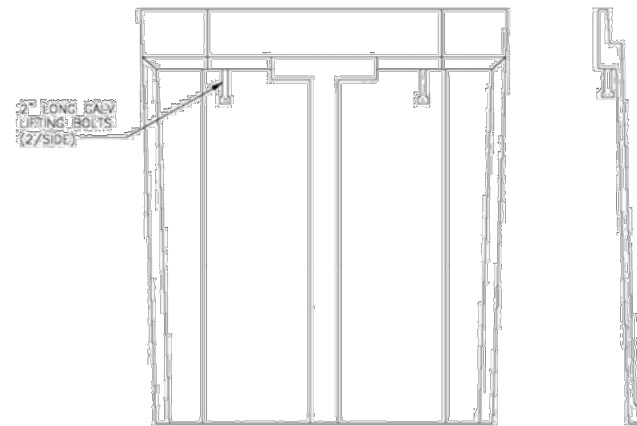
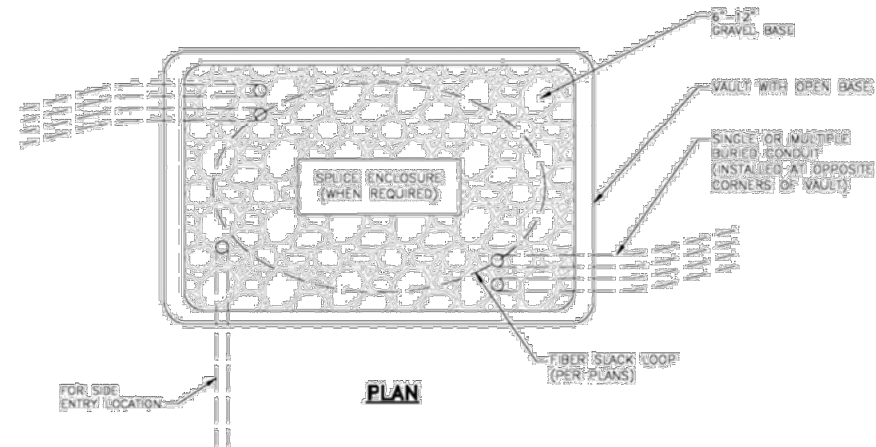
SURFACE LEVEL CRITERIA: NO HEIGHT DIFFERENTIALS WITH A RISE GREATER THAN 1/4" IN HEIGHT. EXCEPTIONS: A HEIGHT DIFFERENTIAL BETWEEN 1/4" AND 1/2" IS ACCEPTABLE IF IT IS BEVELED AT A 2:1 SLOPE, OR A HEIGHT DIFFERENTIAL GREATER THAN 1/2" IS ACCEPTABLE IF IT IS RAMPED WITH A SLOPE OF 8.33% (1V:12H) OR LESS.

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

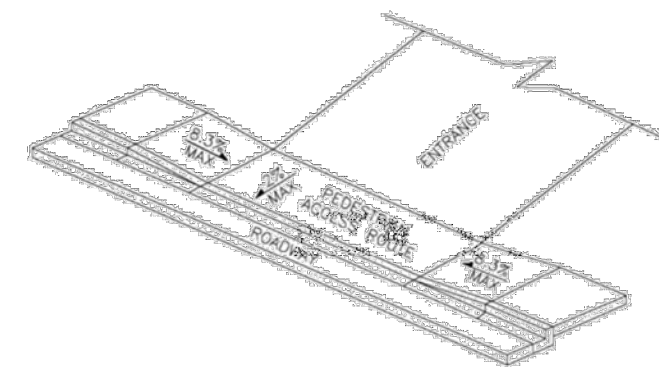
LIFT HOLES FOR UTILITY COVERS SHALL NOT HAVE AN OPENING GREATER THAN 1/2". PLUGGING OF HOLES GREATER THAN 1/2" WITH A MATERIAL APPROVED BY THE ENGINEER IS ACCEPTABLE AS LONG AS IT IS FLUSH WITH THE COVER SURFACE.

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

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



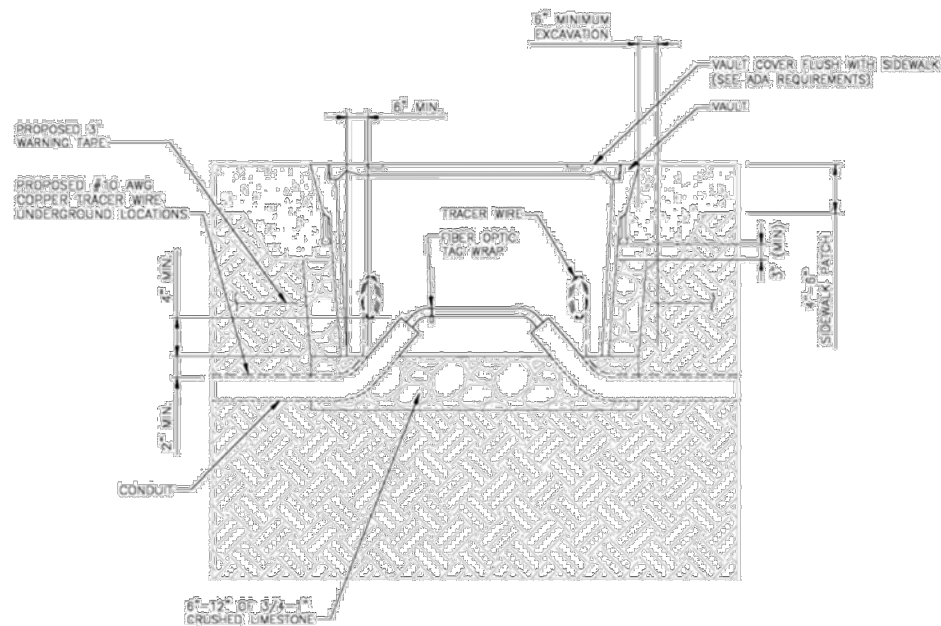
SIDE VIEW



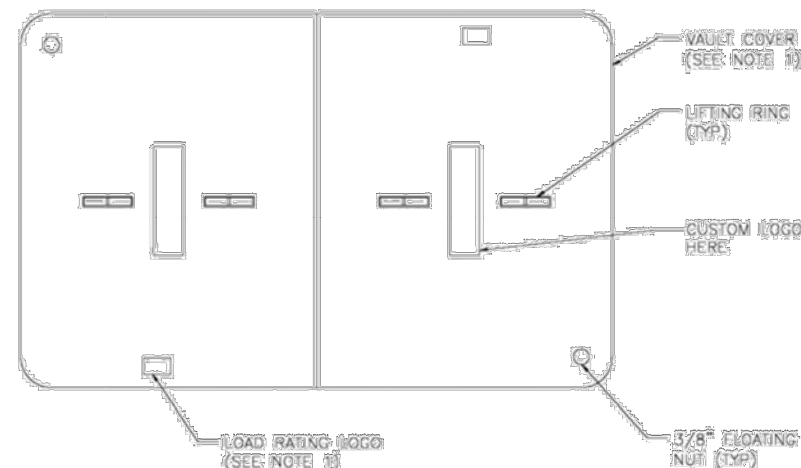
PEDESTRIAN ACCESS ROUTE

NOTE:

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



VAULT W/ BOTTOM ENTRY

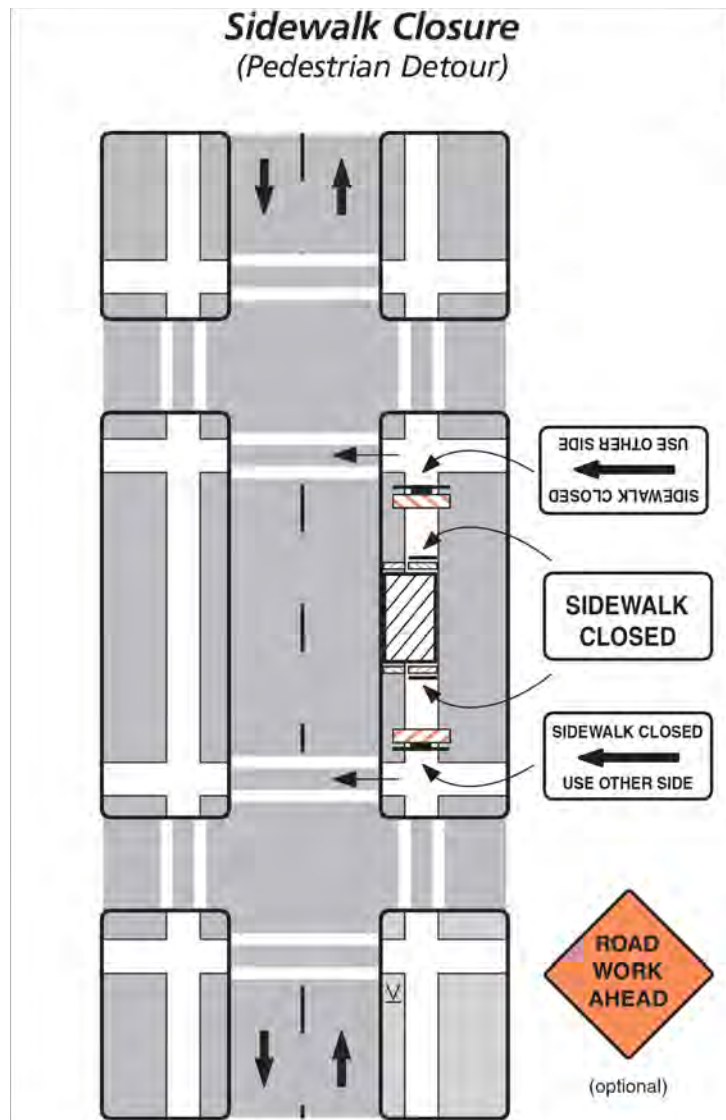


VAULT LID

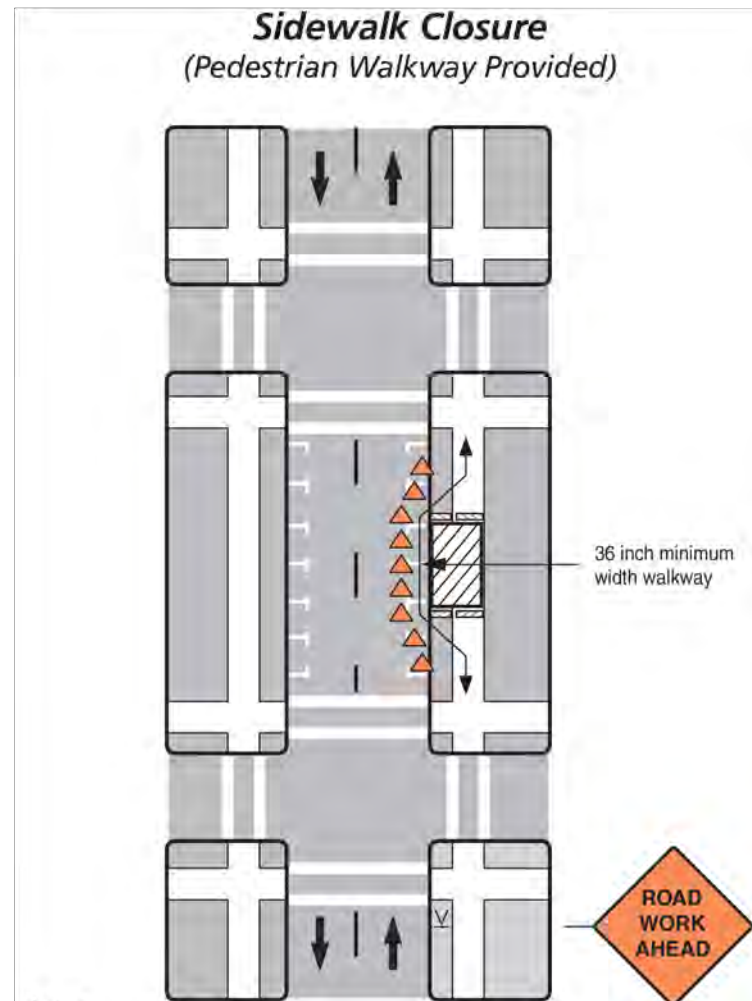
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E	12/11/24	REVISED	BP

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TASK NAME	WILC-FR03
TASK DESCRIPTION	FIBER OPTIC CONDUIT PLACEMENT
PROJECT AREA	LACROSSE, WI, USA
SHEET SCALE	N.T.S.
SHEET TITLE	DETAILS
GRID NUMBER	
SHEET NUMBER	D-4



- Notes**
1. Additional advance warning may be necessary.
 2. Only the traffic control devices related to pedestrians are shown. Other devices may be needed to control traffic on the streets such as lane closure signs, ROAD NARROWS or LANE NARROWS signs.
 3. For nighttime closures, Type A flashing warning lights may be used on barricades supporting signs and closing walkways.
 4. Audible devices should be considered to alert pedestrians with visual disabilities of closings and crosswalk changes.



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

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TASK NAME
WILC-FR03

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

SHEET SCALE
N.T.S.

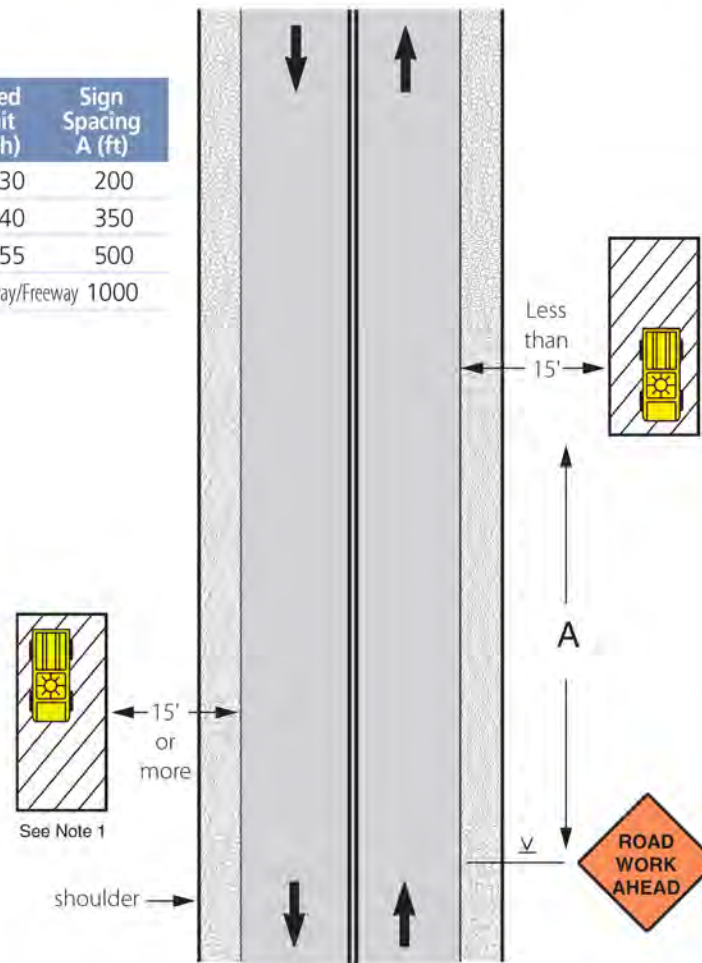
SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

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

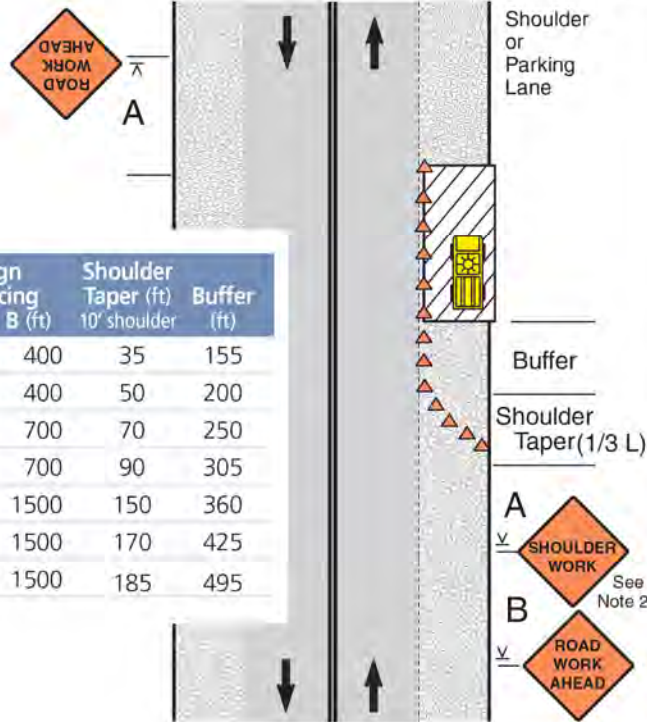


Notes

- 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

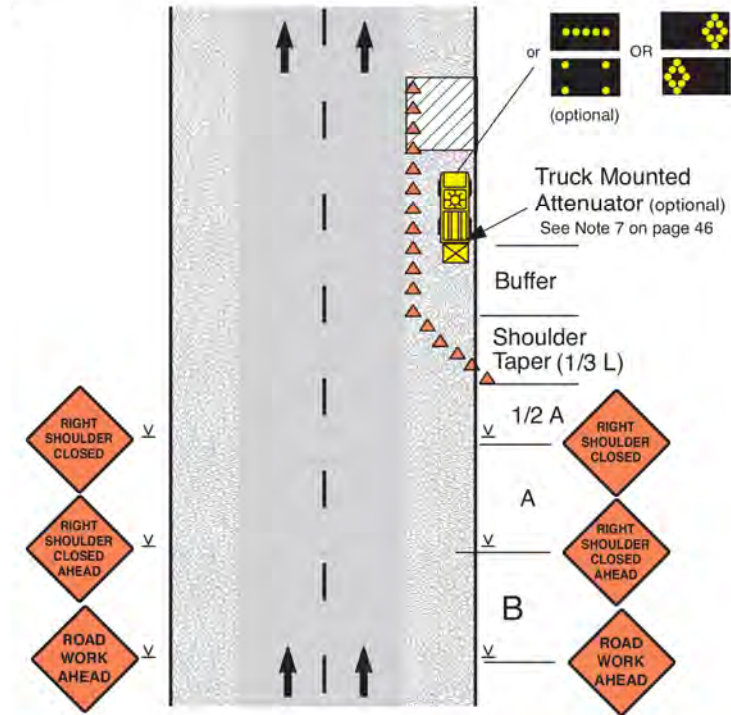
Speed Limit (mph)	Sign Spacing A (ft)	Sign Spacing B (ft)	Shoulder Taper (ft) 10' shoulder	Buffer (ft)
25	200	400	35	155
30	200	400	50	200
35	350	700	70	250
40	350	700	90	305
45	500	1500	150	360
50	500	1500	170	425
55	500	1500	185	495



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	WILC-FR03
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TASK DESCRIPTION	FIBER OPTIC CONDUIT PLACEMENT
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PROJECT AREA	LACROSSE, WI, USA
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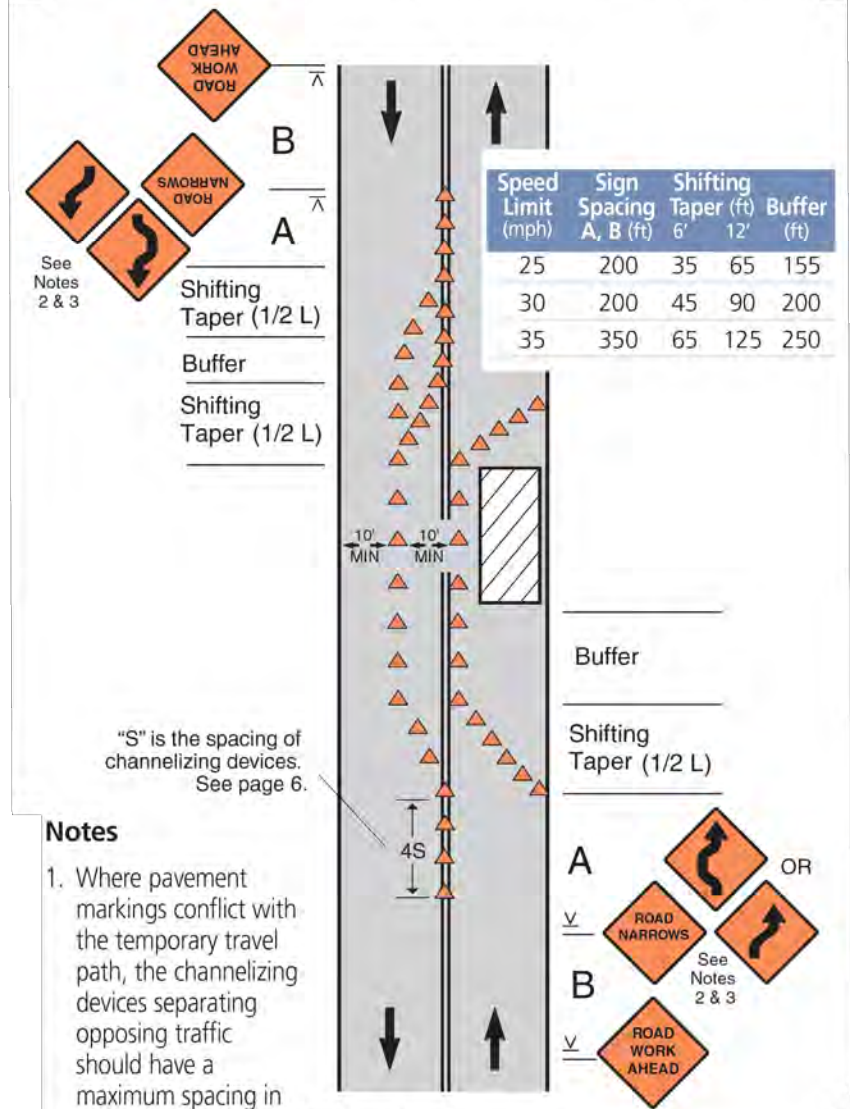
SHEET SCALE	N.T.S.
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SHEET TITLE	TRAFFIC CONTROL STANDARD DETAILS
-------------	---

GRID NUMBER	
-------------	--

SHEET NUMBER	TCP-2
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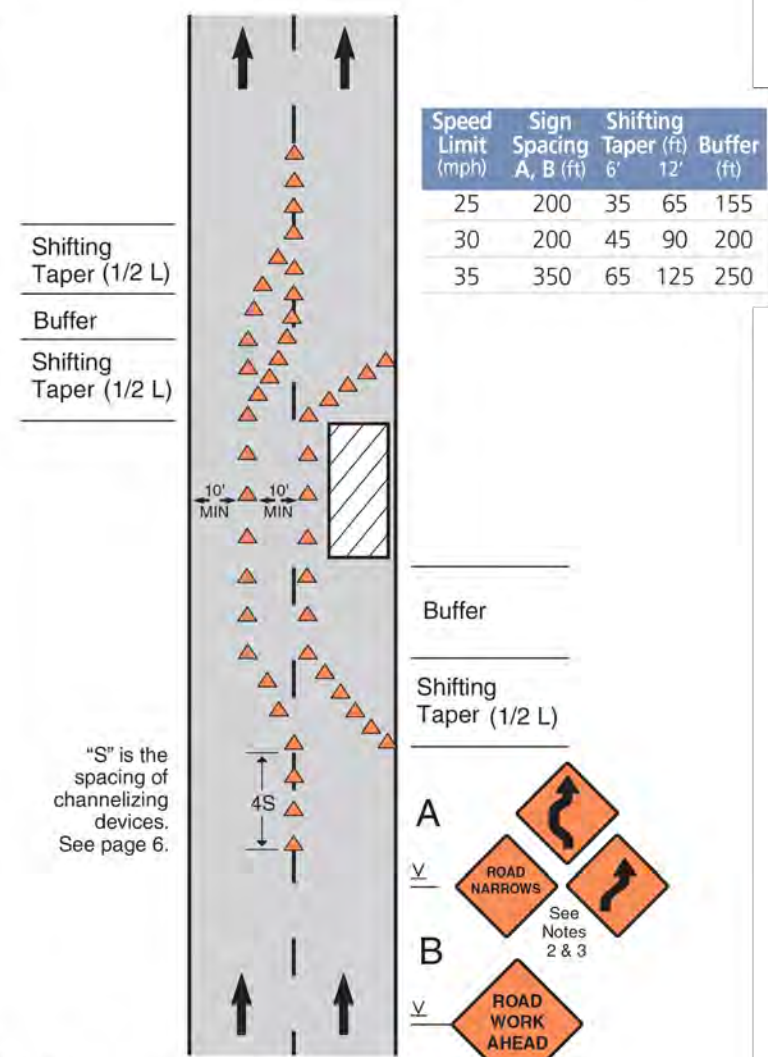
Work in Travel Lane
(Maintaining Two-Way Traffic, 35 mph or Less)



Notes

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

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



Notes

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

REV	DATE	DESCRIPTION	BY
A	07/22/24	ISSUED FOR REVIEW	HT
B	10/15/24	REVISED	BP
C	11/05/24	REVISED	BP
D	11/12/24	REVISED	BP
E	12/11/24	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
WILC-FR03

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

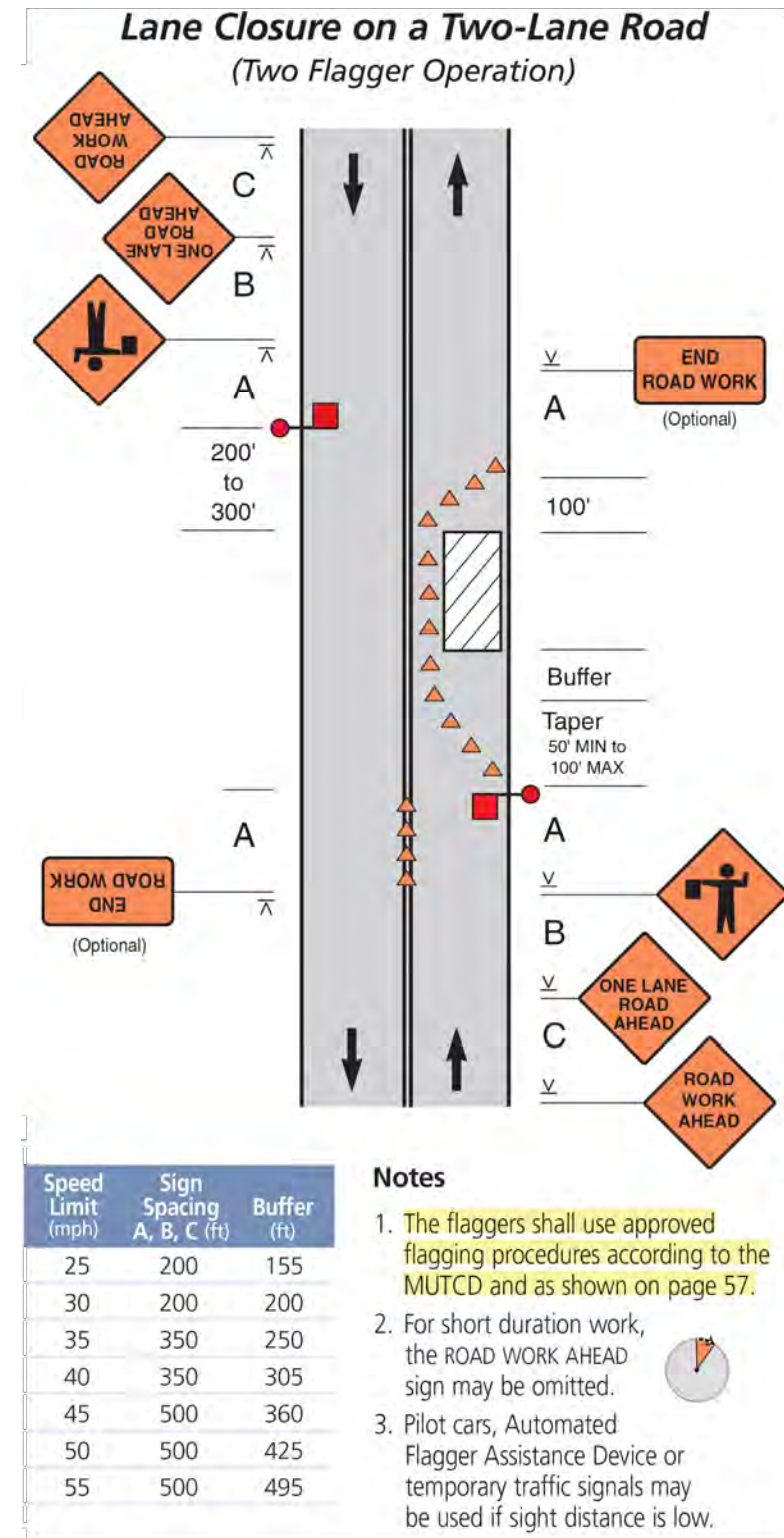
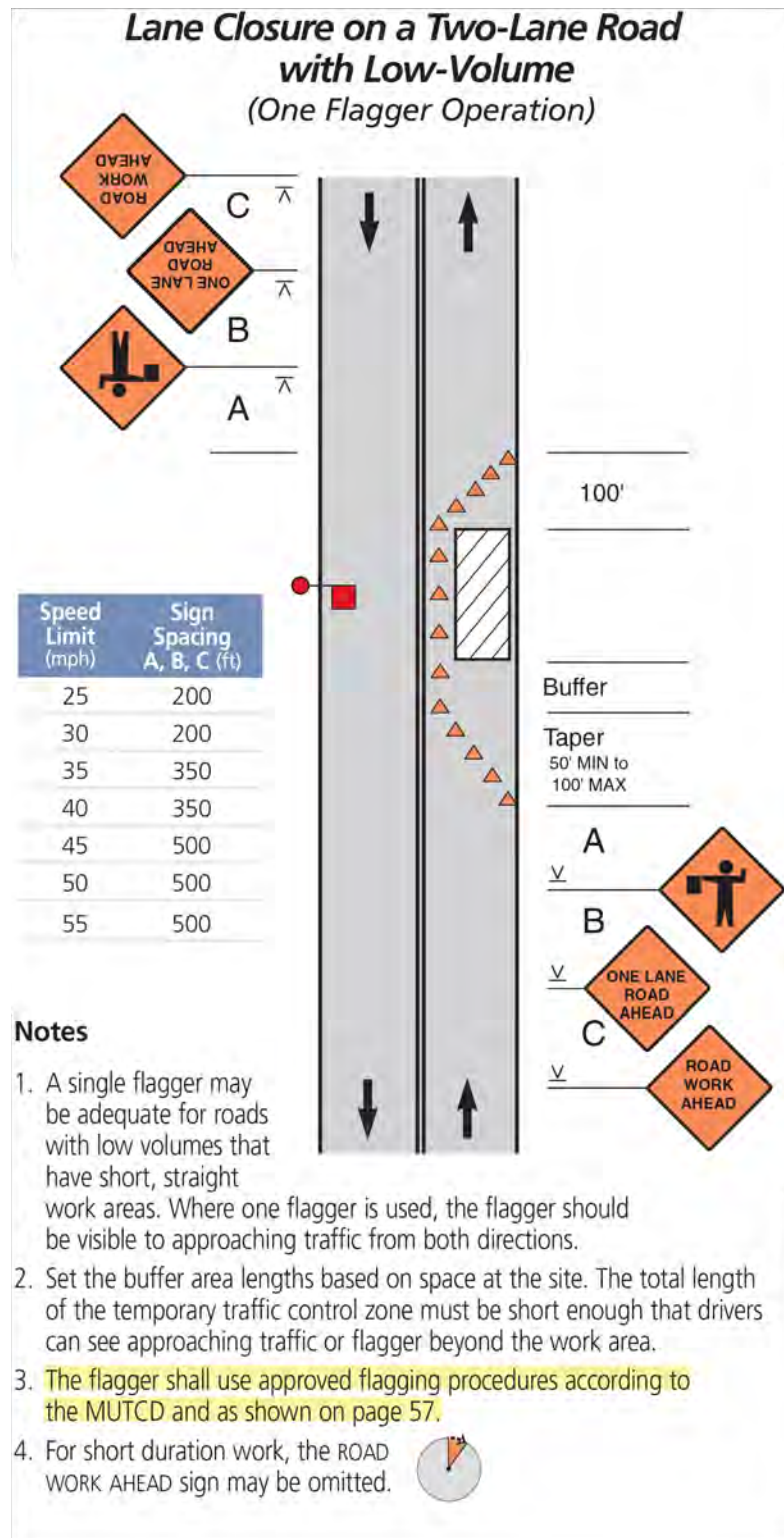
PROJECT AREA
LACROSSE, WI, USA

SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER
TCP-3

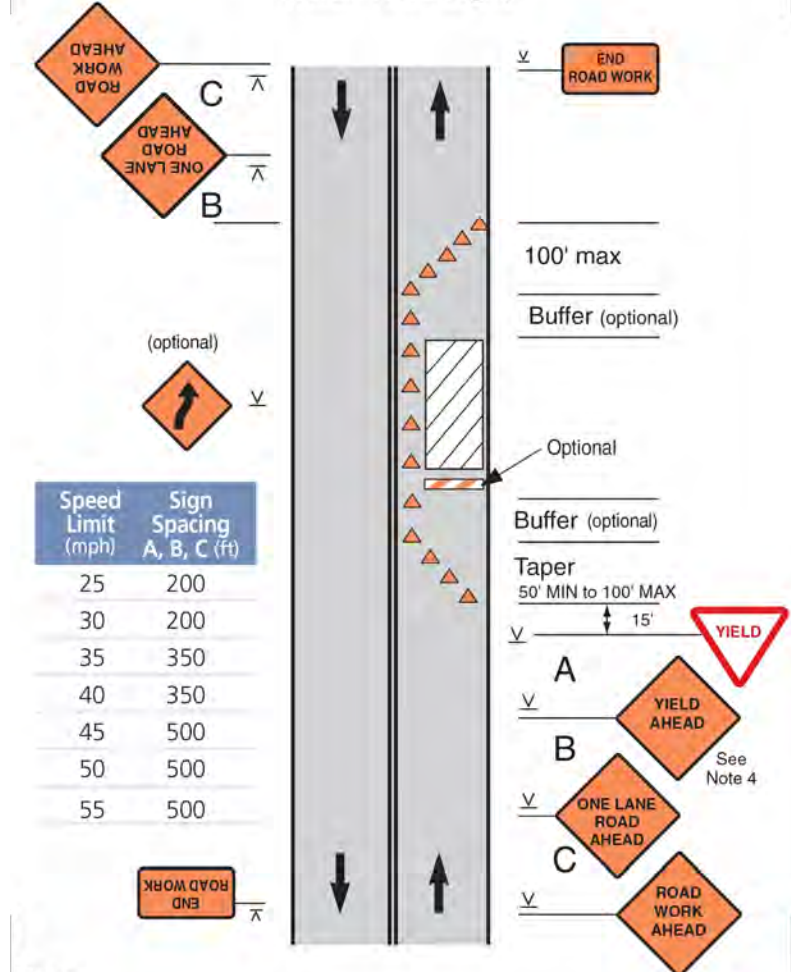


REV	DATE	DESCRIPTION	BY
A	07/22/24	ISSUED FOR REVIEW	HT
B	10/15/24	REVISED	BP
C	11/05/24	REVISED	BP
D	11/12/24	REVISED	BP
E	12/11/24	REVISED	BP

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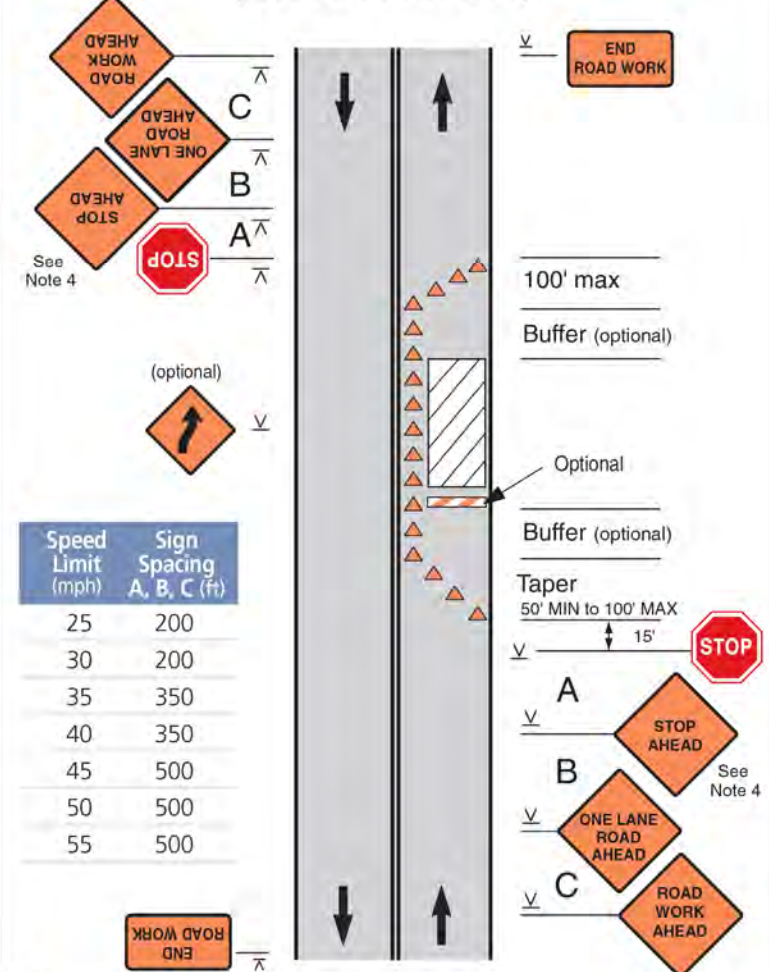
TASK NAME	WILC-FR03
TASK DESCRIPTION	FIBER OPTIC CONDUIT PLACEMENT
PROJECT AREA	LACROSSE, WI, USA
SHEET SCALE	N.T.S.
SHEET TITLE	TRAFFIC CONTROL STANDARD DETAILS
GRID NUMBER	
SHEET NUMBER	TCP-4

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.

REV	DATE	DESCRIPTION	BY
A	07/22/24	ISSUED FOR REVIEW	HT
B	10/15/24	REVISED	BP
C	11/05/24	REVISED	BP
D	11/12/24	REVISED	BP
E	12/11/24	REVISED	BP

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TASK NAME
WILC-FR03

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER
TCP-5

REV	DATE	DESCRIPTION	BY
A	07/22/24	ISSUED FOR REVIEW	HT
B	10/15/24	REVISED	BP
C	11/05/24	REVISED	BP
D	11/12/24	REVISED	BP
E	12/11/24	REVISED	BP

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TASK NAME

WILC-FR03

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

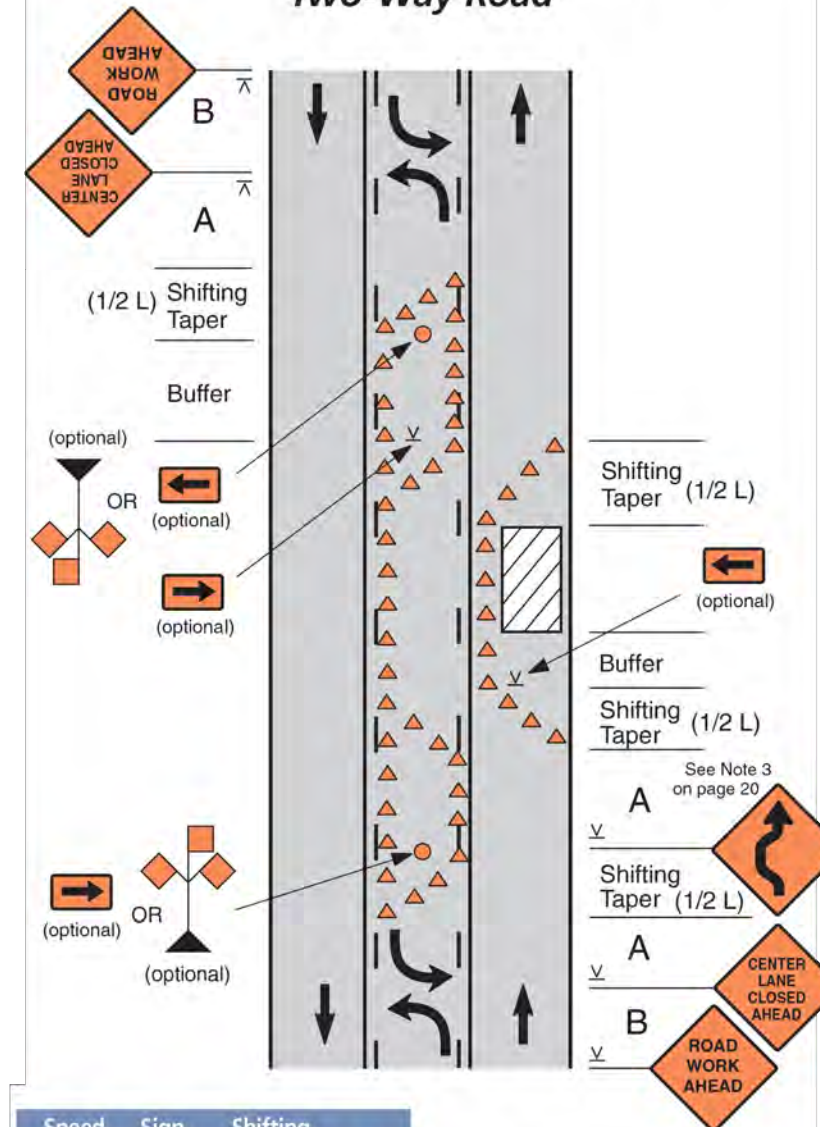
SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER
TCP-6

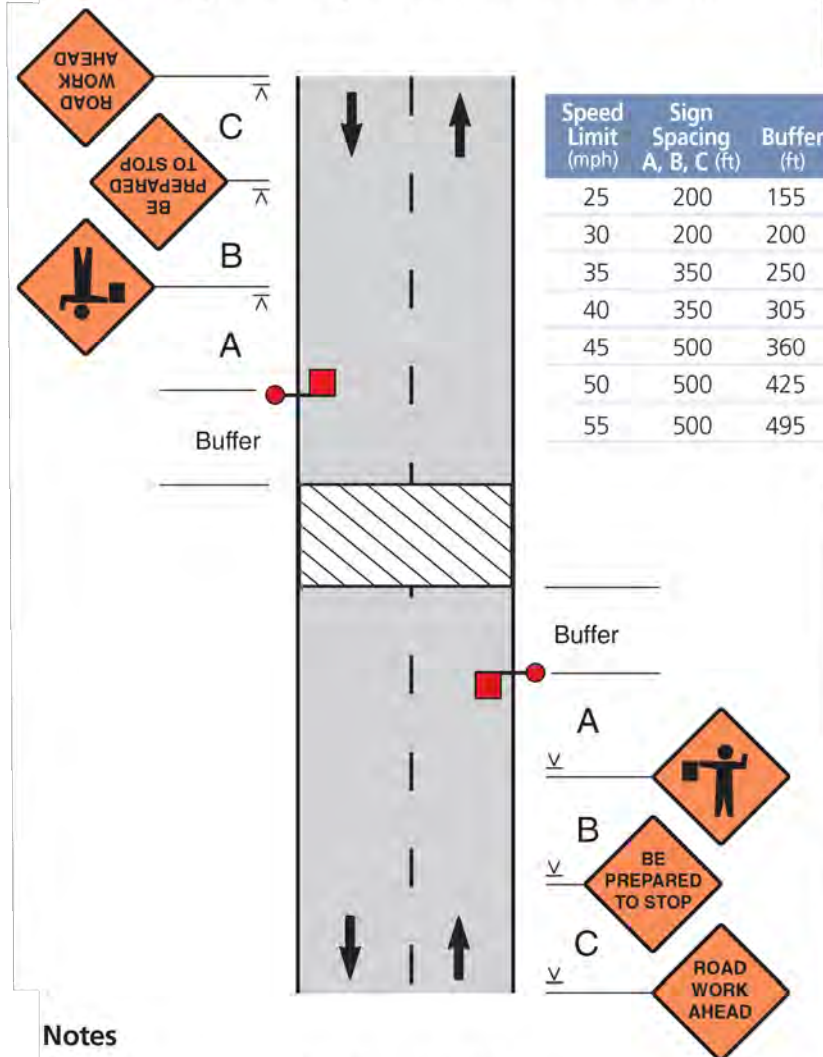
Lane Shift on a Three-Lane, Two-Way Road



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.

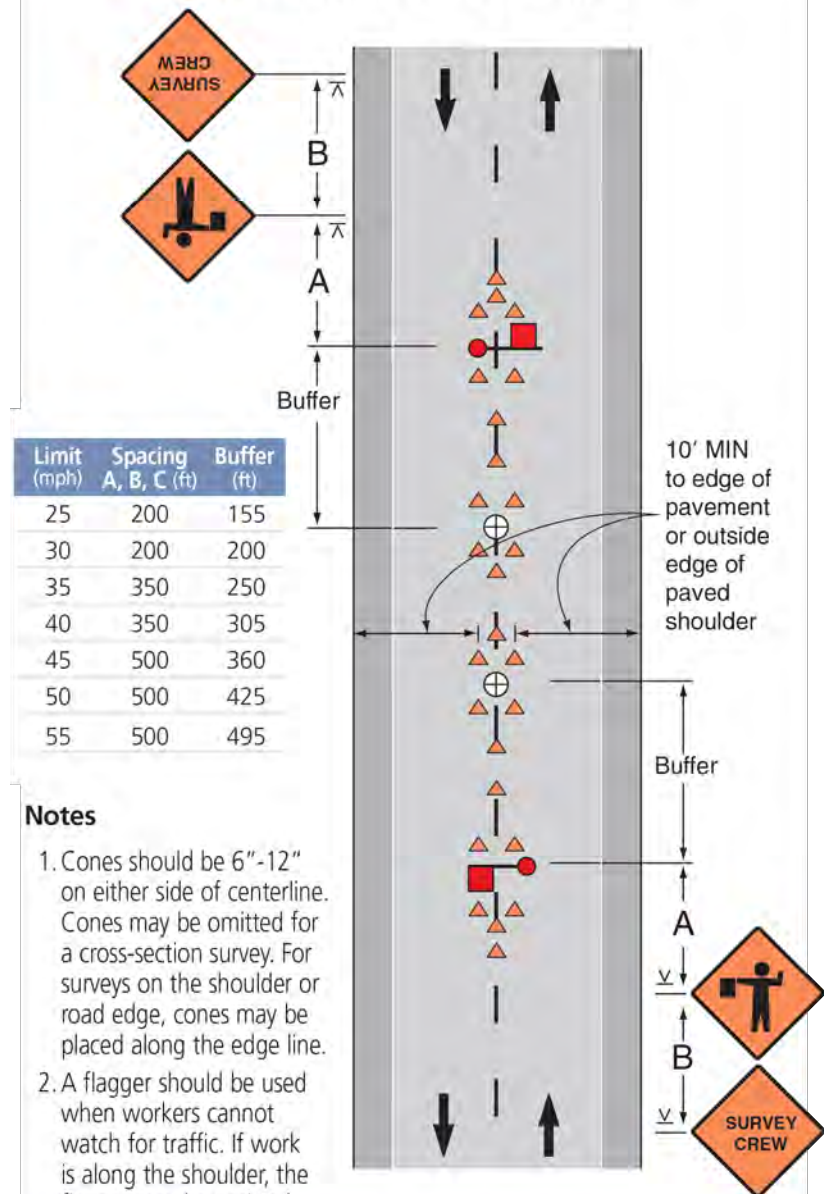
Temporary Road Closure (Daytime Only – 20 Minutes Maximum)



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.**

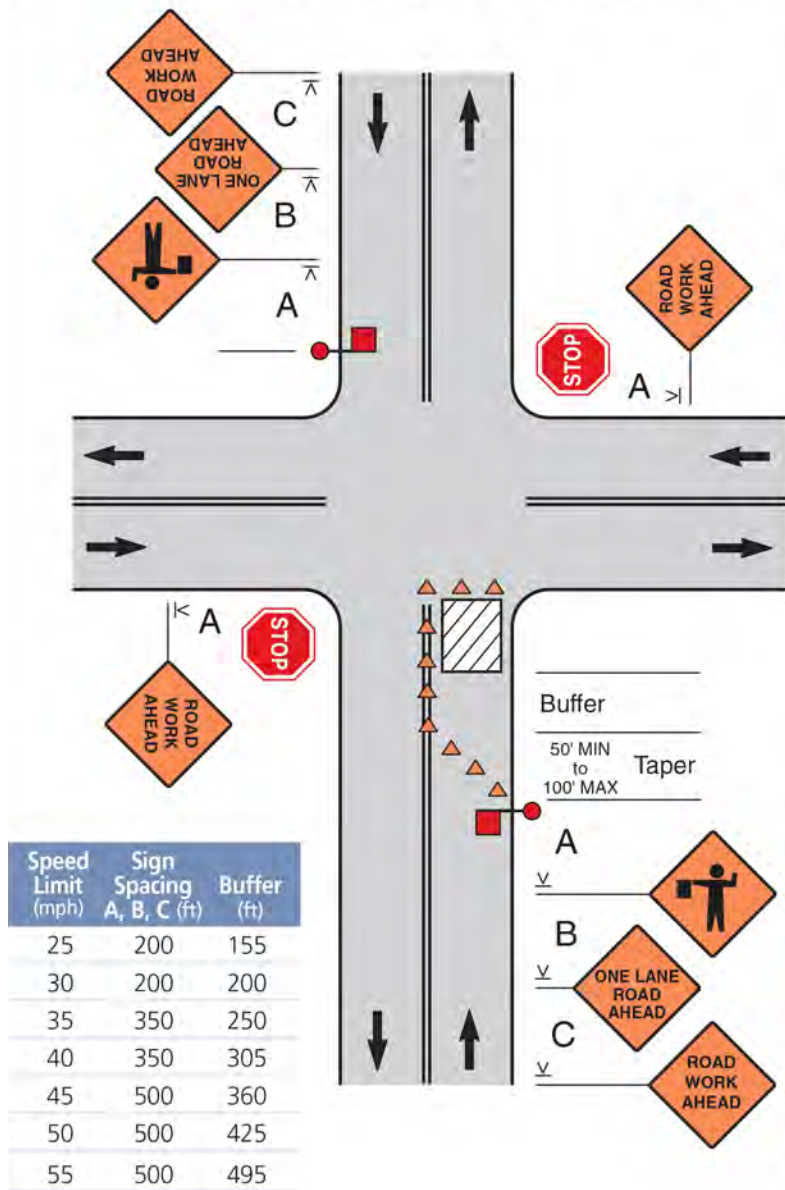
Surveying Along Centerline of Road with Low Volume



Notes

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

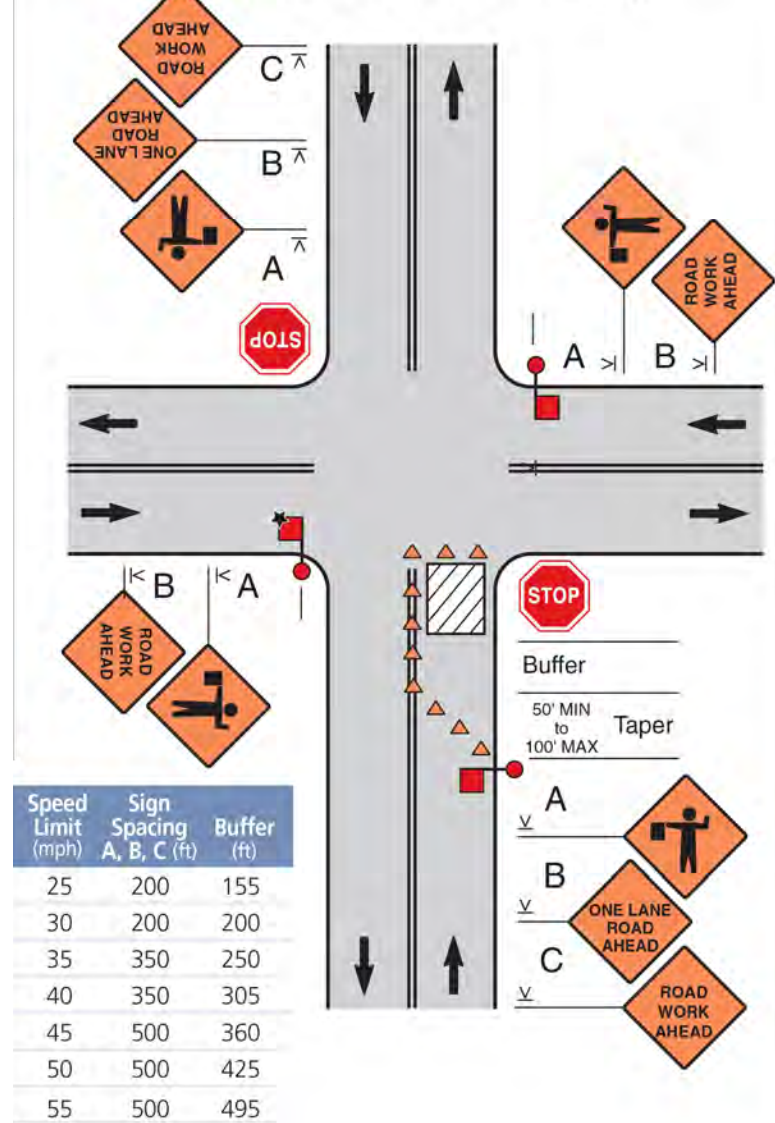
Lane Closure in Advance of an Intersection
(Work Area on the Through Road)



Notes

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

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



Notes

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

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TASK NAME
WILC-FR03

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

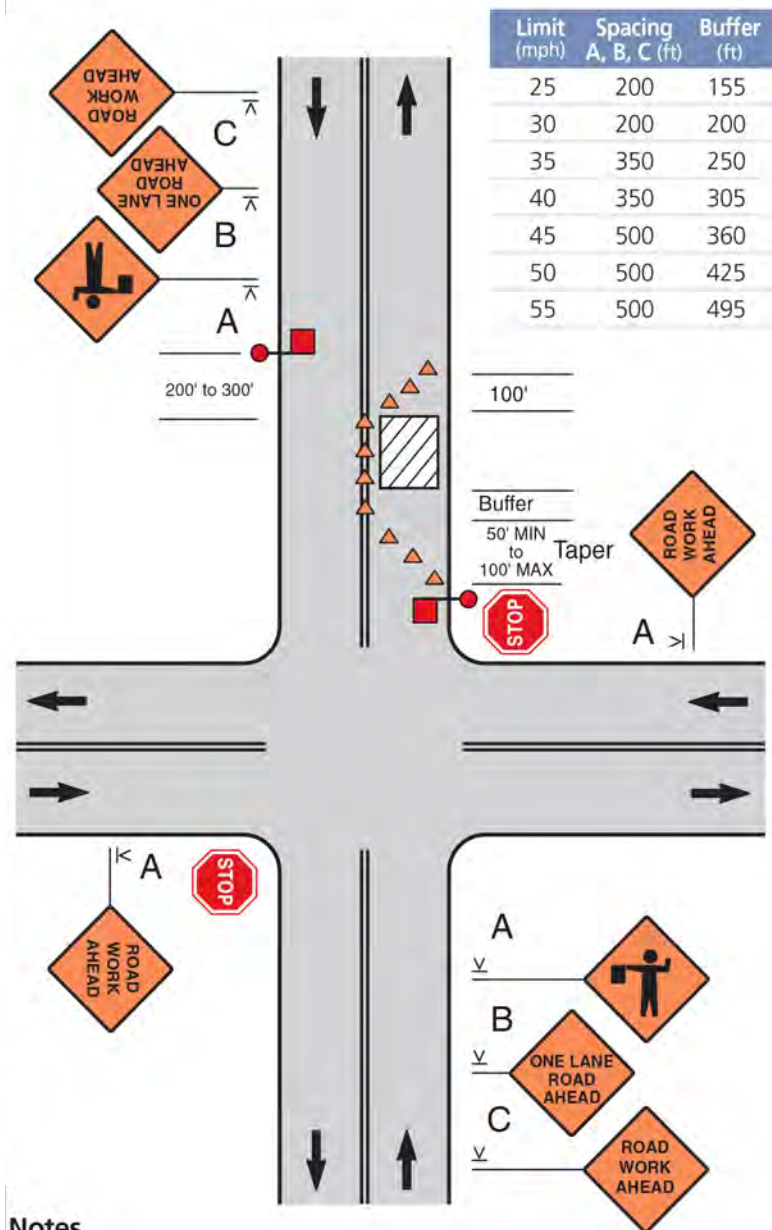
SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER
TCP-7

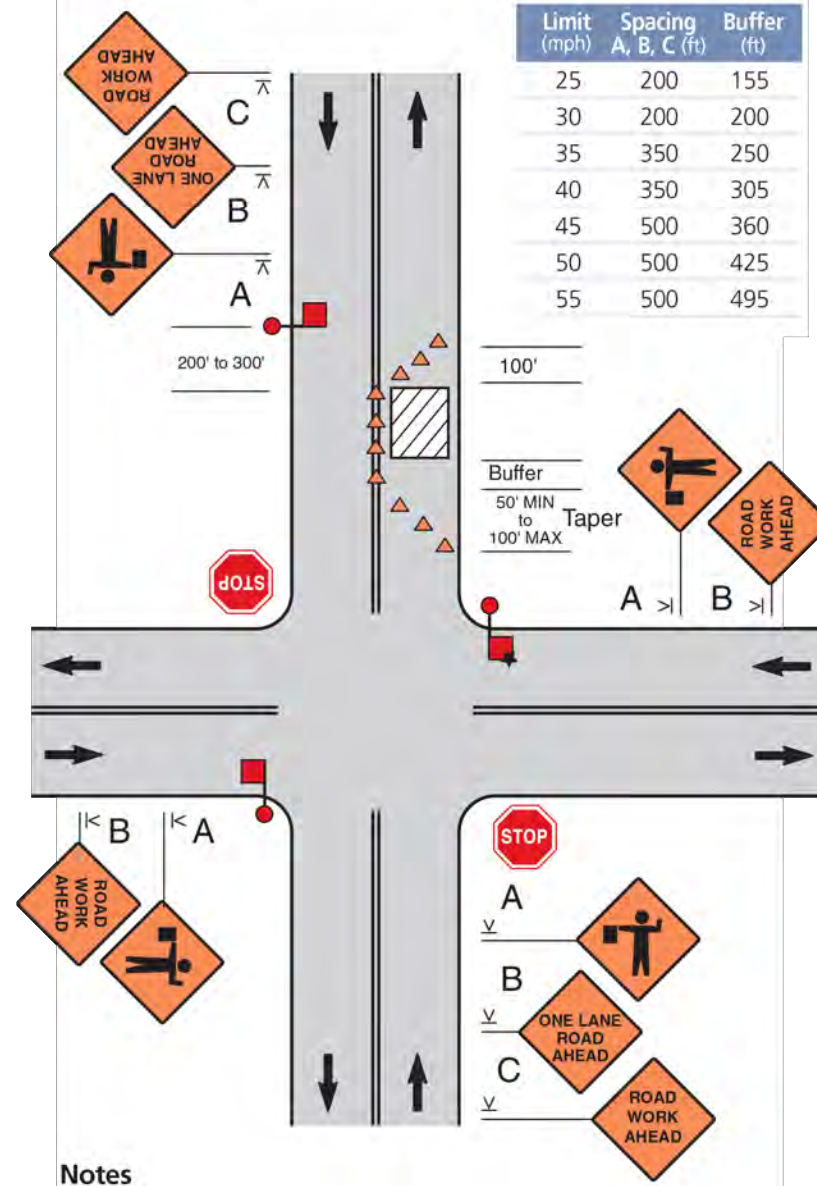
Lane Closure Beyond an Intersection (Work Area on the Through Road)



Notes

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

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



Notes

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

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TASK NAME

WILC-FR03

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI, USA

SHEET SCALE

N.T.S.

SHEET TITLE

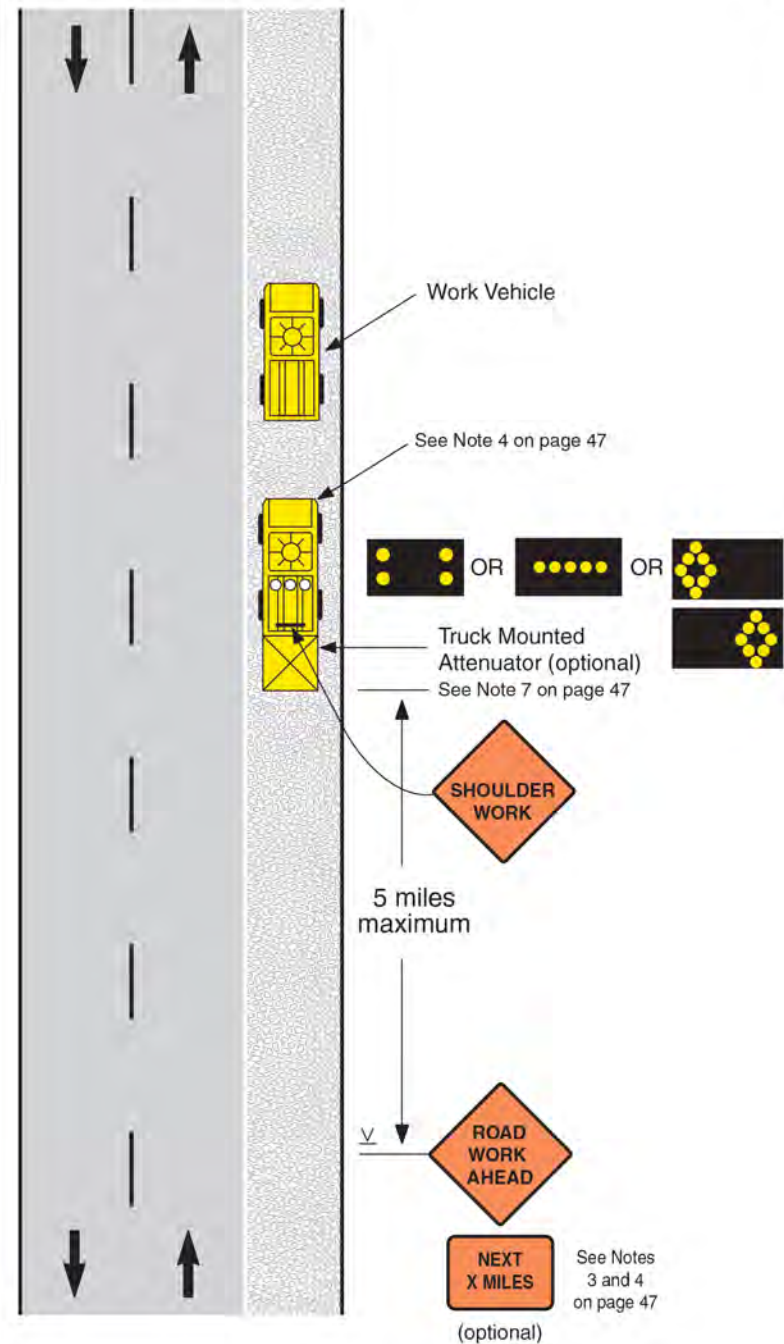
TRAFFIC CONTROL
STANDARD DETAILS

GRID NUMBER

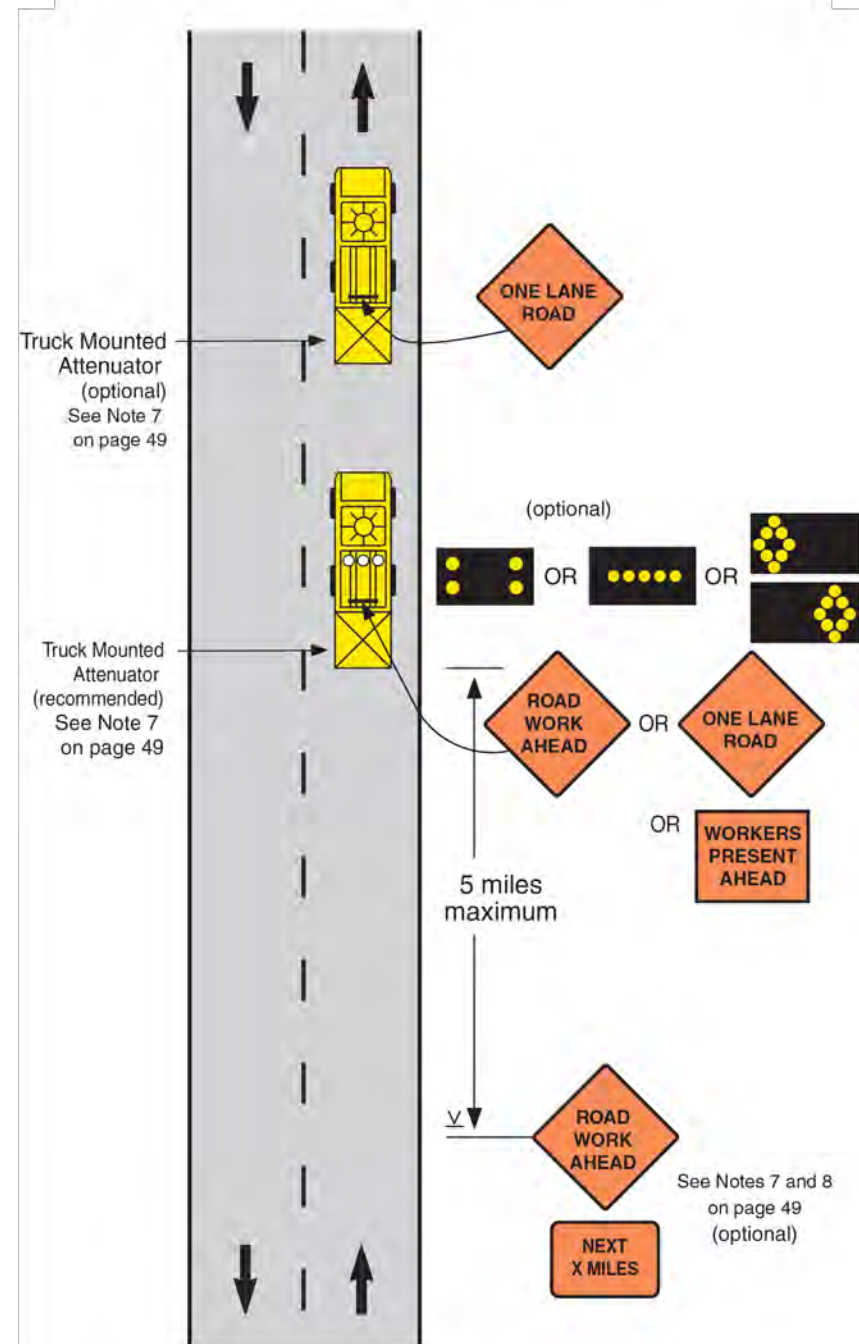
SHEET NUMBER

TCP-8

Mobile Operation on the Shoulder



Mobile Operation on a Two-Lane Road



REV	DATE	DESCRIPTION	BY
A	07/22/24	ISSUED FOR REVIEW	HT
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E	12/11/24	REVISED	BP

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TASK NAME
WILC-FR03

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

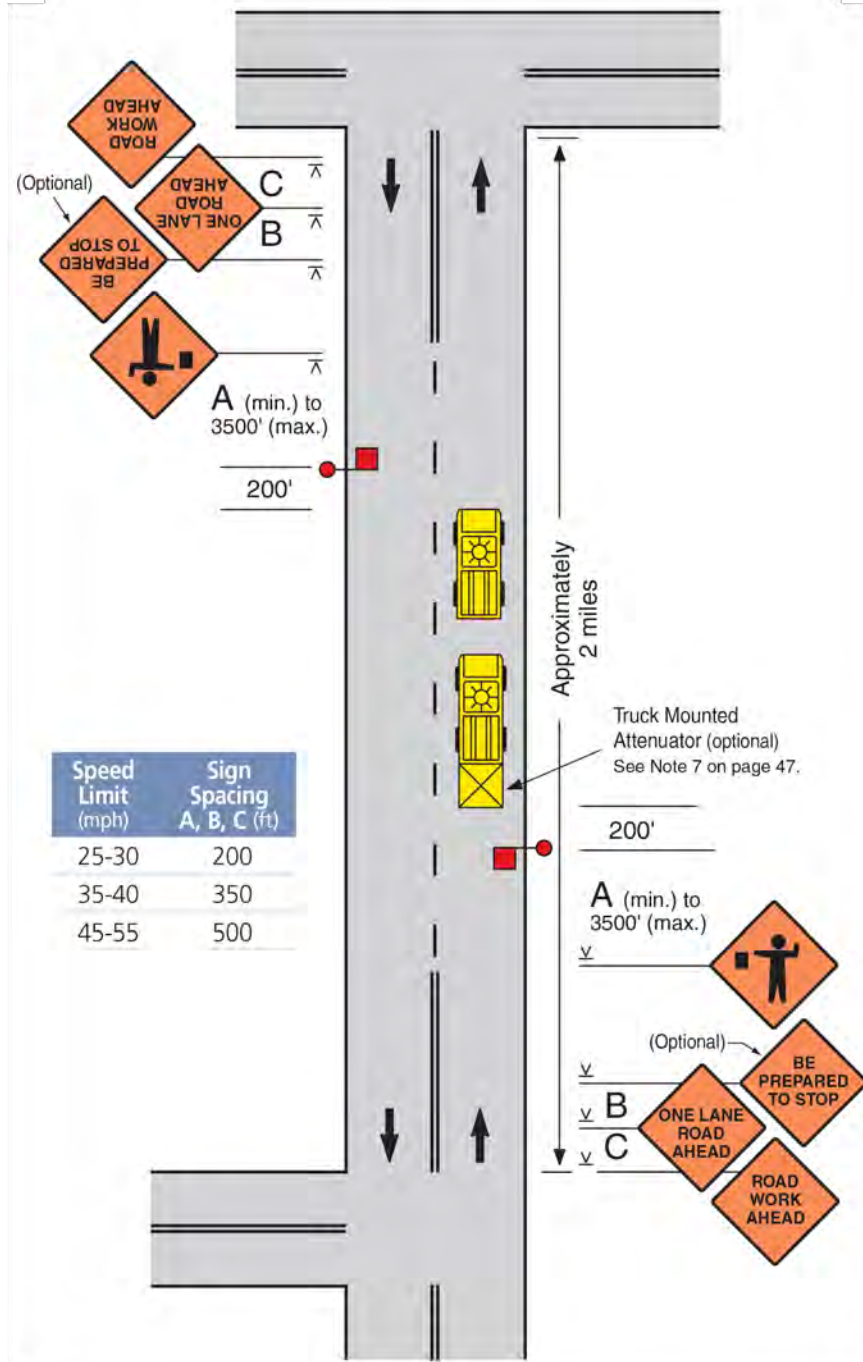
SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

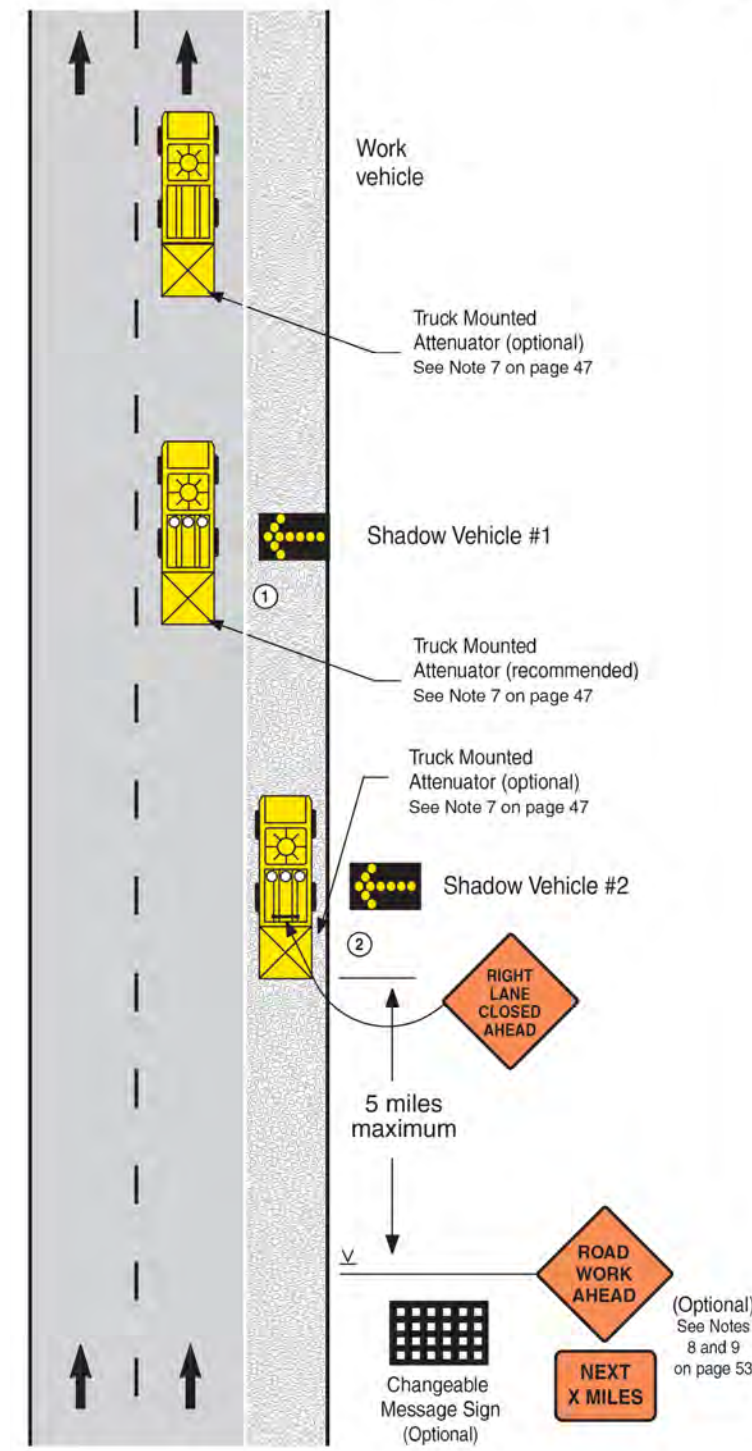
GRID NUMBER

SHEET NUMBER
TCP-9

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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E	12/11/24	REVISED	BP

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TASK NAME
WILC-FR03

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



City of La Crosse, Wisconsin

City Hall
400 La Crosse Street
La Crosse, WI 54601

Text File

File Number: 24-1616

Agenda Date: 12/16/2024

Version: 1

Status: Agenda Ready

In Control: Board of Public Works

File Type: General Item

Agenda Number:



**REVOCABLE OCCUPANCY / STREET PRIVILEGE PERMIT APPLICATION
FOR COMMUNICATIONS (FIBER OPTICS, TELEPHONE, CABLE, ETC.)
City of La Crosse Engineering Department**

Phone: 608-789-7505 Email: engineering@cityoflacrosse.org <http://cityoflacrosse.org>

Encroachment Owner: _____
 Address: _____ City: _____ State: _____ Zip: _____
 Phone # _____ Email Address _____

Application Preparer (if different from above) _____
 Relationship with Owner: _____
 Phone # _____ Email Address _____

Description of Proposed Encroachment:

Encroachment Addresses (List by Street and 100 blocks):

I certify that I have reviewed the Municipal Code and understand all that is related to this permit request. I further certify that I have the full authority to make the foregoing application; the information in the application and the required submittals are complete and correct; the Work or Use performed shall comply with all the laws of the State of Wisconsin, and all ordinances, rules, regulations, policies and special conditions of the City of La Crosse. The applicant agrees to perform the work covered by an approved permit with diligence and convenience to the public. **See Sheet 2 of 2 for Additional Conditions.**

Signature of Owner or designee: _____ Date: _____
 Print Name and Title: _____

Please return this completed application along with required information and fees noted on checklist below to: City of La Crosse, Engineering Department, 400 La Crosse Street, La Crosse, WI 54601. You will then be given notice of when your request will be on the Board of Public Works agenda for consideration. **Average completion time for validation 45 days.**

BELOW THIS LINE TO BE COMPLETED BY CITY STAFF ONLY

Required items to be provided by Applicant:

- Scale Drawing of encroachments
 (Complete Utility Locate by Digger's Hotline Required)
- Certificate of Insurance (City as additional Insured)
- Initial Application Fee \$ _____
- City Utility Potential Conflict Notification and Sign-Off

**Board of Public Works
Approval Date:**

Encroachment Type:

Permit Number:

All Fees are Non-Refundable & Subject to change by City Council

SHEET 1 OF 2



REVOCABLE OCCUPANCY / STREET PRIVILEGE PERMIT APPLICATION

City of La Crosse Engineering Department

Phone: 608-789-7505 Email: engineering@cityoflacrosse.org <http://cityoflacrosse.org>

STREET PRIVILEGE PERMIT CONDITIONS FOR COMMUNICATIONS INSTALLATIONS

1. The applicant shall be primarily liable for damages to person or property by reason of the granting of this street privilege permit.
2. The applicant shall obtain an excavation permit from the City of La Crosse Engineering Department prior to performing installation or any maintenance on the cable in the City right-of-way that requires excavation or disruption of pavement, sidewalk, curb and gutter, or other structure.
3. The applicant agrees that tracer wires shall be used and final cable location within the street right-of-way shall be approved by the City Engineer. Cable shall be installed not less than 36 inches deep, unless otherwise approved by the City Engineer.
4. Applicant agrees to provide the City of La Crosse with final "as-built" plans when installation is complete.
5. Applicant agrees that any pavement, concrete or green space disturbed during drilling activities shall be restored to its prior condition.
6. Applicant agrees that said installation shall not interfere with the City's water, sanitary sewer, or storm sewer underground infrastructure that may be in the area.
7. Applicant further agrees that they will make arrangements with the public utility companies and the City of La Crosse to clear all public underground utilities prior to initiating such work, and if necessary, applicant will make arrangements with the City of La Crosse to ensure proper traffic control.
8. Applicant waives any and all rights to contest in any way or manner the validity of Sec. 66.0425 of the Wisconsin Statutes and the amount of compensation charged.
9. Applicant agrees to become a member of Diggers Hotline for marking / locating of utility.
10. The applicant for a permit to encroach on the public right-of-way shall procure and maintain for the duration of the permit a minimum liability and contractual liability policy in the amount of \$100,000.00 each person, \$300,000.00 each accident for bodily injury and \$100,000.00 for property damage. A certificate of such insurance shall be filed with the City Attorney as part of the application. The insurance shall name the City, its officials, employees and agents as additional insureds. The Board may approve greater insurance protection on a case-by-case basis.
11. Applicant further agrees to hold harmless the City for any damage to said cable while the City, its agents or contractors are conducting construction for maintenance activities in or upon such area in which said cable lies; provided, however, the City shall make a good faith effort to notify applicant of any maintenance or work in the area of the street privilege permit which may damage applicant's cable.
12. Applicant agrees to remove the cable and return the area to its original condition upon ten (10) days' notice by the Board of Public Works. The applicant further agrees that if it does not remove the cable within ten (10) days after receiving notice, the City is authorized to remove the same and applicant agrees to pay the City for all costs of such removal.
13. Applicant further agrees that the obligations and conditions of this street privilege permit shall be binding upon all heirs, successors and assigns of applicant.
14. The person(s) signing this Permit warrant that they have the authority to sign as, or on behalf of, the party for whom they are signing.



TASK NAME: WILC-FR05

TASK DESCRIPTION: FIBER OPTIC CONDUIT PLACEMENT

SITE LOCATION: LACROSSE, WI, USA

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

PROJECT INFORMATION

TASK NAME: WILC-FR05
TASK DESCRIPTION: FIBER OPTIC CONDUIT PLACEMENT
SITE LOCATION: LACROSSE, WI, USA
SITE TYPE: UNDERGROUND FIBER-OPTIC CONSTRUCTION
JURISDICTION: LACROSSE, WI, USA
APN: -
ZONING CLASSIFICATION: -
OCCUPANCY TYPE: -
CONSTRUCTION TYPE: -
APPLICANT: METRO FIBERNET, LLC
ADDRESS: 3701 COMMUNICATIONS WAY
EVANSVILLE, IN, 47715
CONTACT: TARAN WELCHLIN
PHONE: (608) 606-2043
EMAIL: TARAN.WELCHLIN@METRONET.COM
NOTE: DRAWING SCALES ARE FOR 11"x17" SHEETS UNLESS OTHERWISE NOTED

PROJECT CONSULTANTS

PROJECT MANAGER: FULLERTON ENGINEERING CONSULTANTS, LLC
ADDRESS: 1100 E. WOODFIELD ROAD, SUITE 500
CONTACT: MICHELLE KAMINSKI
PHONE: (616) 262-8400
EMAIL: MKAMINSKI@FULLERTON-US.COM
ENGINEER: FULLERTON ENGINEERING CONSULTANTS, LLC
ADDRESS: 1100 E. WOODFIELD ROAD, SUITE 500
SCHAUMBURG, ILLINOIS 60173
EOR: DAN SMITH, P.E.
PHONE: 847-908-8521
EMAIL: DSMITH@FULLERTONENGINEERING.COM
POWER COMPANY:
PHONE:
TELEPHONE COMPANY:
PHONE:

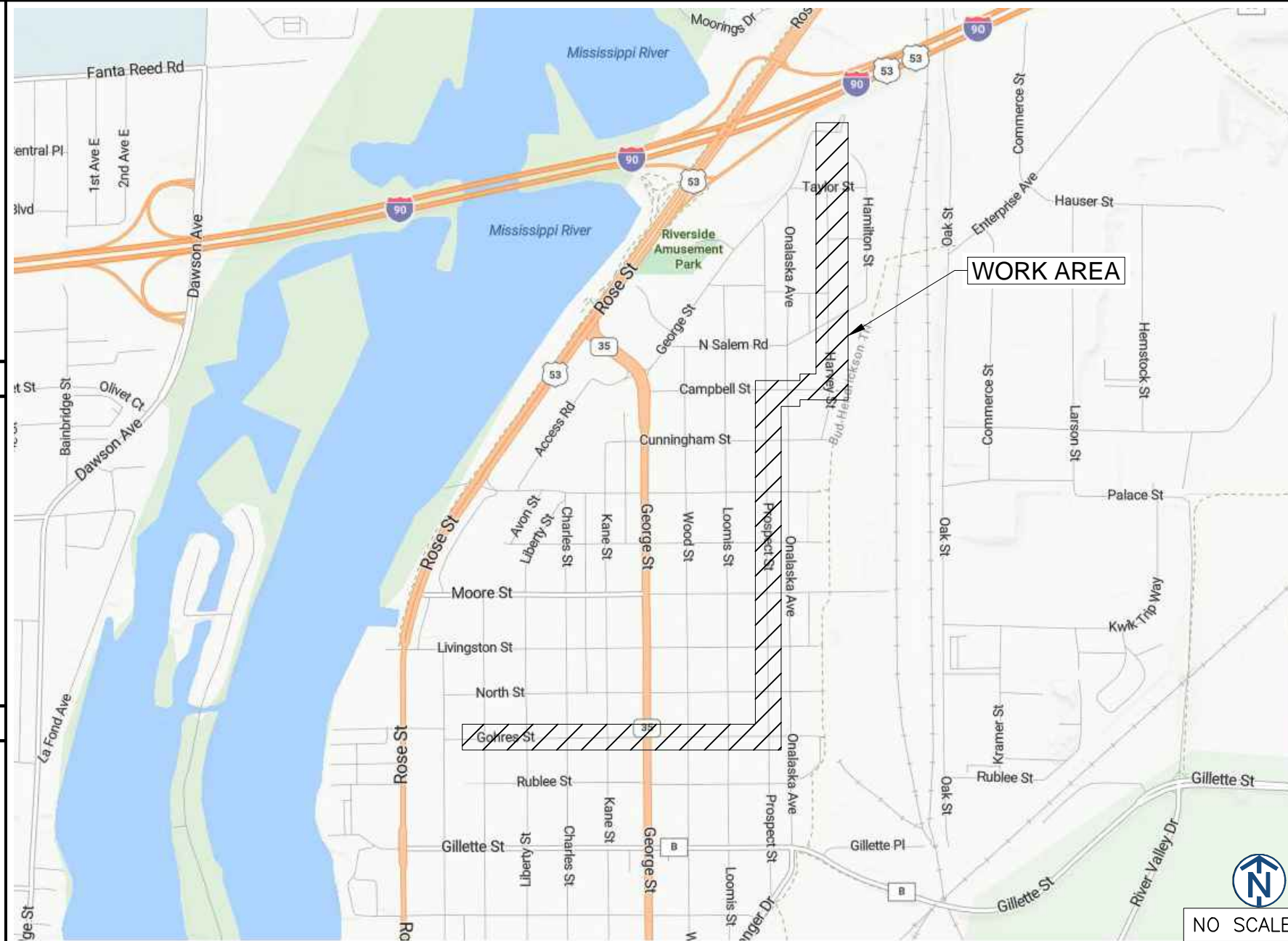
SCOPE OF WORK

THE SCOPE OF WORK CONSISTS OF:
INSTALLATION OF:

- 9,191' OF DIRECTIONAL BORE PATH
- 45,955' OF 1.25" CONDUIT
- (11) L-HANDHOLE 30X48X24
- (4) M-HANDHOLE 24X36X18
- (1) B-HANDHOLE 17X30X18 (UTILITY BOX)

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

SITE LOCATION MAP



REV	DATE	DESCRIPTION	BY
A	07/24/24	ISSUED FOR REVIEW	HT

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TASK NAME
WILC-FR05

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

SHEET SCALE
N.T.S.

SHEET TITLE
TITLE SHEET

GRID NUMBER









SHEET NUMBER
T-1










NO SCALE

LEGEND











PROPOSED

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



SEWER

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

WATER

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


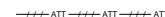












GAS

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








DEO/ELECTRIC

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

COMMUNICATIONS

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

MISCELLANEOUS

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

REV	DATE	DESCRIPTION	BY
A	07/24/24	ISSUED FOR REVIEW	HT

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
WILC-FR05

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

SHEET SCALE
N.T.S.

SHEET TITLE
LEGEND

GRID NUMBER

SHEET NUMBER
T-3

1. THE ENCLOSED DESIGN MAY IMPLY EXISTING UTILITIES. THE UTILITIES HAVE NOT BEEN FIELD VERIFIED FOR LOCATION. THEREFORE, ALL UTILITIES IMPLIED WITHIN THIS DOCUMENT ARE TO BE REFERRED TO AS A "REFERENCE TOOL". IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND/OR IT'S SUBCONTRACTOR TO VERIFY THESE UTILITIES USING ANY AND ALL METHODS AND INSTRUMENTS AVAILABLE IF/WHEN NECESSARY. FULLERTON CANNOT IN GOOD FAITH GUARANTEE UTILITY LOCATIONS. ANY AND ALL DOCUMENTATION ON EXISTING UTILITIES HAS BEEN IMPLIED UTILIZING INFORMATION RETRIEVAL PROCESSES FROM EACH JURISDICTION INVOLVED (STATE, COUNTY AND/OR MUNICIPALITY, TO INCLUDE OTHERS).
2. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE ALL CONDUITS ARE PLACED WITHIN THE GIVEN & DEDICATED SPACE LICENSED FOR THIS PARTICULAR CLIENT. FULLERTON ENGINEERING CONSULTANTS, INC. (FULLERTON) WAS NOT RETAINED FOR THE PURPOSE OF SUPPORTING A SURVEY OF THE AREA AND PROPERTY BOUNDARIES, THEREFORE FULLERTON CAN NOT AND WILL NOT SUPPORT THE ACCURACY OF ANY IMPLIED BOUNDARY (I.E. PUBLIC WAY, PRIVATE PROPERTY, EASEMENT ETC.) NOR IS IT TO BE ASSUMED THAT THE SALE OF PROPERTIES HAS NOT OCCURRED DURING & AFTER FULLERTON'S RESPONSIBILITIES FOR THIS PROJECT HAVE PAST. ALL BOUNDARIES, EASEMENTS, PROPERTY LINES, ETC. ARE TO BE USED AS A GUIDELINE OR REFERENCE AND SHOULD NOT BE TAKEN LITERALLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE ASSOCIATED BOUNDARIES SURVEY STAKED IF SO QUESTIONED. ALL ASPECTS OF BOUNDARIES IMPLIED HEREIN, HAVE BEEN DERIVED THROUGH AVAILABLE MEDIA SUCH AS BUT NOT LIMITED TO (SIDWELL, GOOGLE EARTH PRO. MUNICIPAL, STATE, COUNTY, GIS, AND OTHER RECORD TYPES). FULLERTON DOES NOT AGREE NOR DISAGREE WITH THE ABOVE-MENTIONED RECORDS AS THEY ARE USED JUST A REFERENCE TOOL.
3. ALL BURIED OBSTRUCTIONS KNOWN BY FULLERTON ARE SHOWN ON THE CONSTRUCTION DRAWINGS. ANY AND ALL OTHERS ENCOUNTERED DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PROTECT.
4. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY.
5. SHORING MAY BE REQUIRED AND SHALL COMPLY TO O.S.H.A. STANDARDS.
6. ALL BURIED CONDUIT/CABLE WILL BE PLACED AT 30-48" MINIMUM COVER UNLESS SPECIFIED OR OTHERWISE NOTED ON THE CONSTRUCTION DRAWINGS.
7. ANY AND ALL IMPROVEMENTS, IF DAMAGED, SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION. THIS INCLUDES BUT IS NOT LIMITED TO: ASPHALT, CONCRETE PAVEMENT, CURBS, GUTTERS, SIDEWALKS, DRAINAGE DITCHES, EMBANKMENTS, SHRUBS, TREES, GRASS SOD, ETC..
8. ALL FIBER INSTALLATIONS SHALL OBSERVE A MINIMUM DYNAMIC BEND RADIUS OF 20X THE CABLE DIAMETER FOR ALL OSP FIBER SHEATHS AND 15X THE CABLE DIAMETER FOR ALL ISP FIBER SHEATHS. ADDITIONALLY, ALL INSTALLATIONS SHALL OBSERVE A MINIMUM STATIC BEND RADIUS OF 15X THE CABLE DIAMETER FOR ALL OSP FIBER SHEATHS AND 10X THE CABLE DIAMETER FOR ALL ISP FIBER SHEATHS. IF THE MANUFACTURER'S SPECIFICATIONS FOR BEND RADIUS ARE GREATER, THEN THEY SHALL BE FOLLOWED.
9. ALL NEW METALLIC AERIAL STRAND SHALL BE BONDED/GROUNDED (PREFERABLY TO THE POWER COMPANY NEUTRAL) PER LOCAL REQUIREMENTS. AT A MINIMUM, THE BONDING/GROUNDING PATTERN SHALL BE THE FIRST AND LAST POLE OF A RUN AND EVERY TENTH POLE IN THE RUN. SHOULD ONE OF THESE DESIGNATED POLES SUPPORT A POWER TRANSFORMER, THE POLES ON EITHER SIDE OF SAID POLE SHALL BE BONDED/GROUNDED AND THE PATTERN SHOULD CONTINUE EVERY TENTH POLE FROM THAT STARTING POINT.
10. ALL AERIAL FIBER OPTIC CABLES SHALL BE SECURELY LASHED TO AERIAL STRAND BY METHOD OF MECHANICAL LASHING CARRIAGE OR APPROVED EQUAL.
11. ALL FIBER OPTIC CABLES INSTALLED BELOW GRADE SHALL BE OF AN ARMORED VARIETY WITH METALLIC INNER SHEATH, OR BE PLACED WITH A METALLIC LOCATING WIRE TO FACILITATE FUTURE LOCATING SERVICES.
12. ALL CONDUIT OR DUCT CONSTRUCTION SHALL INCLUDE THE PLACEMENT OF PULLING TAPE OF SUFFICIENT SIZE AND GRADE TO FACILITATE THE INSTALLATION OF THE SPECIFIED FIBER TYPE THROUGH CONDUIT BEING UTILIZED (JETLINE USE TO BE APPROVED BY CLIENT).
13. ALL FUSION SPLICING SHALL BE COMPLETED BY A QUALIFIED FIBER SPLICER IN A CLEAN TEMPERATURE CONTROLLED TRUCK, TRAILER, OR SHELTER SPECIFICALLY TOOLED OR DESIGNED FOR THE PURPOSE OF FUSION SPLICING FIBER OPTIC CABLES IN A FIELD ENVIRONMENT.
14. ALL MECHANICAL SPLICES AND FACTORY ENDS SHALL BE KEPT CLEAN AND FREE FROM DUST, DIRT, OILS, AND SMEARS. CARE SHOULD BE TAKEN TO MATCH POLISH TYPES ON FACTORY ENDS.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL CORRECTIONS TO WORK IDENTIFIED AS UNACCEPTABLE BY CLIENT, ENGINEER, OR INSPECTOR, DURING SITE INSPECTION ACTIVITIES AND/OR AS A RESULT OF TESTING. CONTRACTOR SHALL ALSO PROVIDE ALL AS-BUILT INFORMATION UPON COMPLETION OF INSPECTION.
16. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH. AT THE COMPLETION OF THE WORK, CONTRACTOR SHALL REMOVE FROM THE SITE ALL REMAINING RUBBISH, IMPLEMENTS, TEMPORARY FACILITIES, AND SURPLUS MATERIALS. CONTRACTOR TO RETURN SITE TO PREVIOUS OR BETTER CONDITION.
17. DRAWINGS ARE INTENDED TO SHOW DESIGN INTENT. CONTRACTOR SHALL PROVIDE MATERIALS AND LABOR AS REQUIRED TO PRODUCE A COMPLETE AND FUNCTIONING SYSTEM WHILE MEETING ALL CODES AND SPECIFICATIONS. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS. SUCH MODIFICATIONS SHALL BE INCLUDED IN THE WORK. SAID DESIGN IS INTENDED TO AVOID DISRUPTION OF ANY HANDICAP RAMPS OR STRUCTURES AS DESCRIBED PER THE AMERICANS WITH DISABILITIES ACT OF 1990.

18. CONTRACTOR SHALL WORK WITH CLIENT TO IDENTIFY ALL CONTRACTOR SUPPLIED MATERIALS TO CONSTRUCT NETWORK PER SPECIFICATIONS.
19. THE CONTRACTOR SHALL PROVIDE ALL MATERIAL, EQUIPMENT, LABOR, INSTALLATION, RESTORATION, UTILITY RELOCATION CHARGES, JOB SITE DELIVERY COSTS AND INCIDENTALS TO COMPLETE THE DESCRIBED OR ILLUSTRATED WORK UNDER THIS CONTRACT.
20. ANY CHANGE-ORDER REQUEST MUST BE PRESENTED IN WRITING TO THE OWNER'S REPRESENTATIVE AND APPROVED PRIOR TO PROCEEDING WITH THE REQUESTED CHANGE.
21. THE ENGINEER WILL NOT BE RESPONSIBLE NOR ASSUME ANY LIABILITY FOR NEGLIGENT ACTS OR ERRORS OF OMISSIONS OF ANY CONTRACTOR, ANY SUBCONTRACTOR, OR ANY OF THE PERSONS (EXCEPT ENGINEER'S OWN EMPLOYEES) AT THE PROJECT SITE OR OTHERWISE PERFORMING ANY OF THE WORK OF THE PROJECT. ANY CONTRACTOR OR SUBCONTRACTOR, AS WELL AS THE ENGINEER, WILL BE RESPONSIBLE FOR HIS OWN SAFETY PROGRAM. NEITHER THE PROFESSIONAL ACTIVITIES OF THE ENGINEER, NOR THE PRESENCE OF THE ENGINEER OR HIS OR HER EMPLOYEES AND SUB-CONSULTANTS AT THE CONSTRUCTION SITE, SHALL RELIEVE ANY CONTRACTOR OF HIS OR HER OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING, SUPERINTENDING OR COORDINATING ALL PORTIONS OF THE WORK OF CONSTRUCTION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES. THE ENGINEER AND HIS OR HER PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR OTHER ENTITY OR THEIR EMPLOYEES IN CONNECTION WITH ANY HEALTH OR SAFETY PRECAUTIONS.
22. ALL MATERIALS INSTALLED WITHIN THE LIMITS OF THIS PROJECT SHALL BE IN CONFORMANCE WITH STANDARD RECOMMENDATIONS OF THE NATIONAL ELECTRIC MANUFACTURER'S ASSOCIATION (NEMA) AND THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).
23. THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND COMPLY WITH THE REQUIREMENTS OF ALL AGENCIES HAVING JURISDICTION OVER THE WORK AND SHALL COORDINATE HIS WORK WITH THE WORK PERFORMED BY OTHERS FOR THE PURPOSE OF INSTALLATION. THIS INCLUDES, BUT IS NOT LIMITED TO, ALL WORK WITH ALL PUBLIC AND PRIVATE UTILITIES AS WELL AS CITY AND STATE AGENCIES.
24. CONTRACTOR SHALL RECORD THE LOCATION AND ELEVATION OF ALL UTILITIES ENCOUNTERED, AND INSTALLATION OF NEW WORK, AS THE WORK PROGRESSES AND SHALL PREPARE RECORD DRAWINGS (RED-LINES) BASED ON HIS RECORDS. AS A PART OF THE RECORD DRAWINGS, CONTRACTOR SHALL ALSO PROVIDE HORIZONTAL AND VERTICAL CONFIGURATION OF CONDUITS WHERE MULTIPLE CONDUITS ARE INSTALLED. THESE RECORDS ARE TO BE SUPPLIED TO FULLERTON ENGINEERING AT COMPLETION OF WORK.
25. MAINTAIN MORE THAN 2'-0" VERTICAL CLEARANCE AND MORE THAN 4'-0" HORIZONTAL CLEARANCE BETWEEN EXISTING SEWER OR SEWER STRUCTURES AND UTILITY. IF CITY SEWER FACILITIES ARE DAMAGED DURING CONSTRUCTION, IT MUST BE REPORTED TO CITY ENGINEERING SECTION AND MUST BE REPAIRED BY A LICENSED DRAIN LAYER UNDER THE SUPERVISION OF THE MASON INSPECTOR.
26. NO STORAGE OF EQUIPMENT OR MATERIALS IN THE ROADWAY IS PERMITTED UNLESS THE CONTRACTOR OBTAINS WRITTEN PERMISSION FROM THE CITY, STATE, AND/OR GOVERNING BODY.
27. CONTRACTOR RESPONSIBLE FOR OBTAINING AND PROVIDING REVIEW AND DESIGN OF ANY AND ALL SHORING SYSTEMS PRIOR TO CONSTRUCTION.
28. THE ENGINEER SHALL BE NOTIFIED FOR DISPOSITION OF SITUATIONS WHERE THE CONDUIT CANNOT MAINTAIN SEPARATIONS PER PLAN.
29. THE CONTRACTOR IS RESPONSIBLE FOR THE RESTORATION OF THE AREAS DISTURBED BY CONSTRUCTION ACTIVITIES. CONTRACTOR IS TO PAY ALL FEES AND OBTAIN ALL PERMITS FOR RESTORATION. CONTRACTOR IS TO RESTORE ALL DAMAGED STRUCTURES AND UTILITIES TO THE SATISFACTION OF THE FACILITY OWNER OR THE GOVERNING BODY, IN THE EVENT THAT DAMAGE OCCURS.
30. USE EXTREME CAUTION NEAR ALL GAS FACILITIES DURING CONSTRUCTION AND RELATED EXCAVATION ACTIVITIES, HAND EXCAVATION IS REQUIRED TO VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF GAS MAIN(S) PRIOR TO CROSSING AND WORKING WITHIN 3 FEET OF ALL GAS FACILITIES. A MINIMUM OF 3 FEET HORIZONTAL EDGE TO EDGE CLEARANCE IS REQUIRED FOR GAS MAINS WITH DIAMETERS OF 16 INCHES OR SMALLER, AND 5 FEET EDGE TO EDGE CLEARANCE FOR GAS MAINS WITH DIAMETERS 18 INCHES AND LARGER IN DIAMETER. THE USE OF CONCRETE, FLOW FILL, OR THE LIKE IS PROHIBITED WITHIN 24 INCHES OF ALL GAS FACILITIES, NOR SHALL IT ENCASE ANY GAS FACILITY. SAND IS TO BE USED AS A BUFFER BETWEEN FLOWABLE FILL AND ALL GAS FACILITIES, ANY DAMAGE TO GAS FACILITIES SHALL BE THE RESPONSIBILITY OF THE INSTALLING UTILITY AND THEIR CONTRACTORS.



REV	DATE	DESCRIPTION	BY
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TASK NAME

WILC-FR05

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA

LACROSSE, WI, USA

SHEET SCALE

N.T.S.

SHEET TITLE

GENERAL NOTES

GRID NUMBER

SHEET NUMBER

GN-1



metronet

3701 COMMUNICATIONS WAY
EVANSVILLE, IN, 47715



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TASK NAME
WILC-FR05

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

SHEET SCALE
N.T.S.

SHEET TITLE
MAP

GRID NUMBER

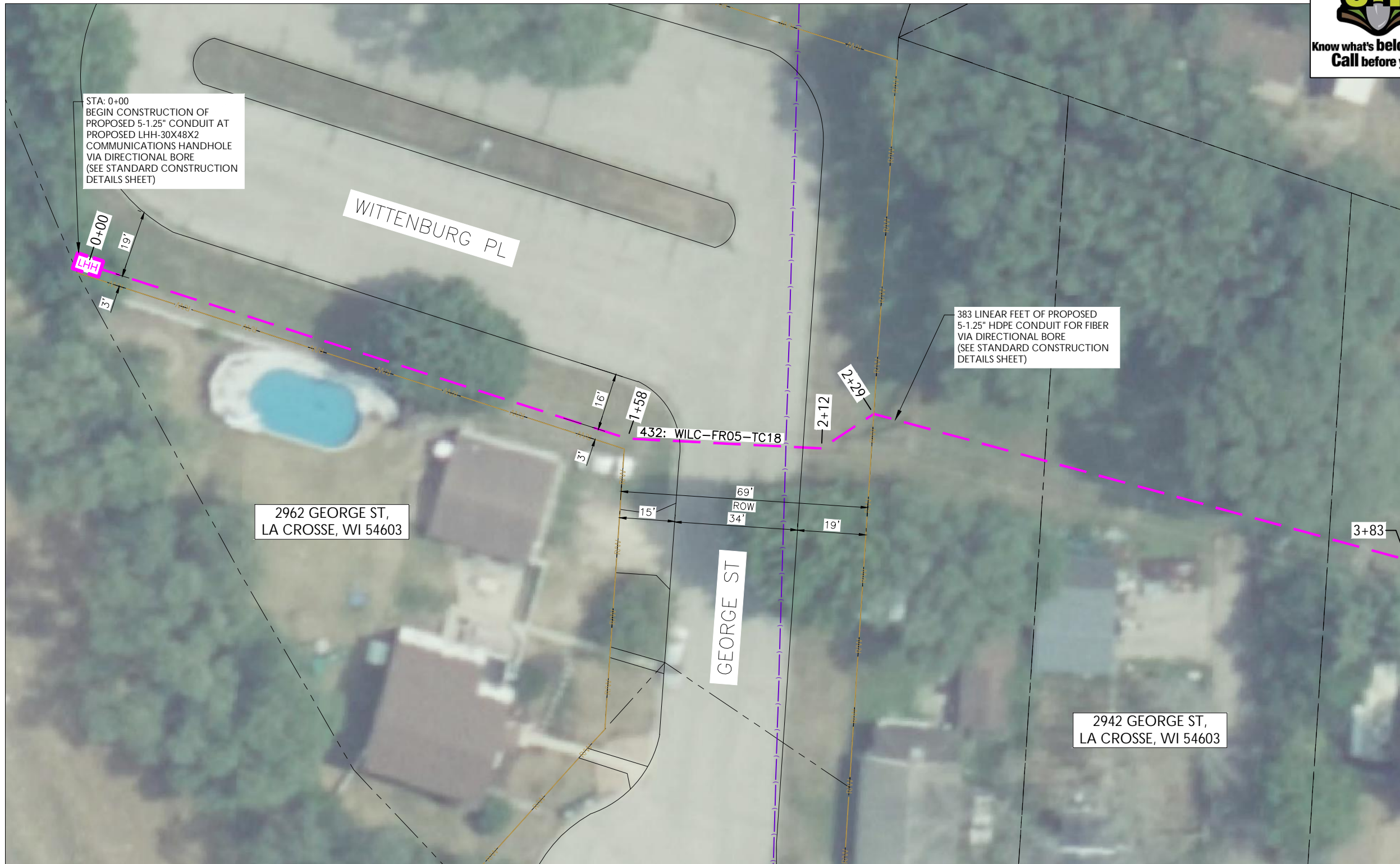
SHEET NUMBER
MAP-1



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MATCHLINE - SHEET C-02

REV	DATE	DESCRIPTION	BY
A	07/24/24	ISSUED FOR REVIEW	HT

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TASK NAME
WILC-FR05

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-01

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

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

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

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

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





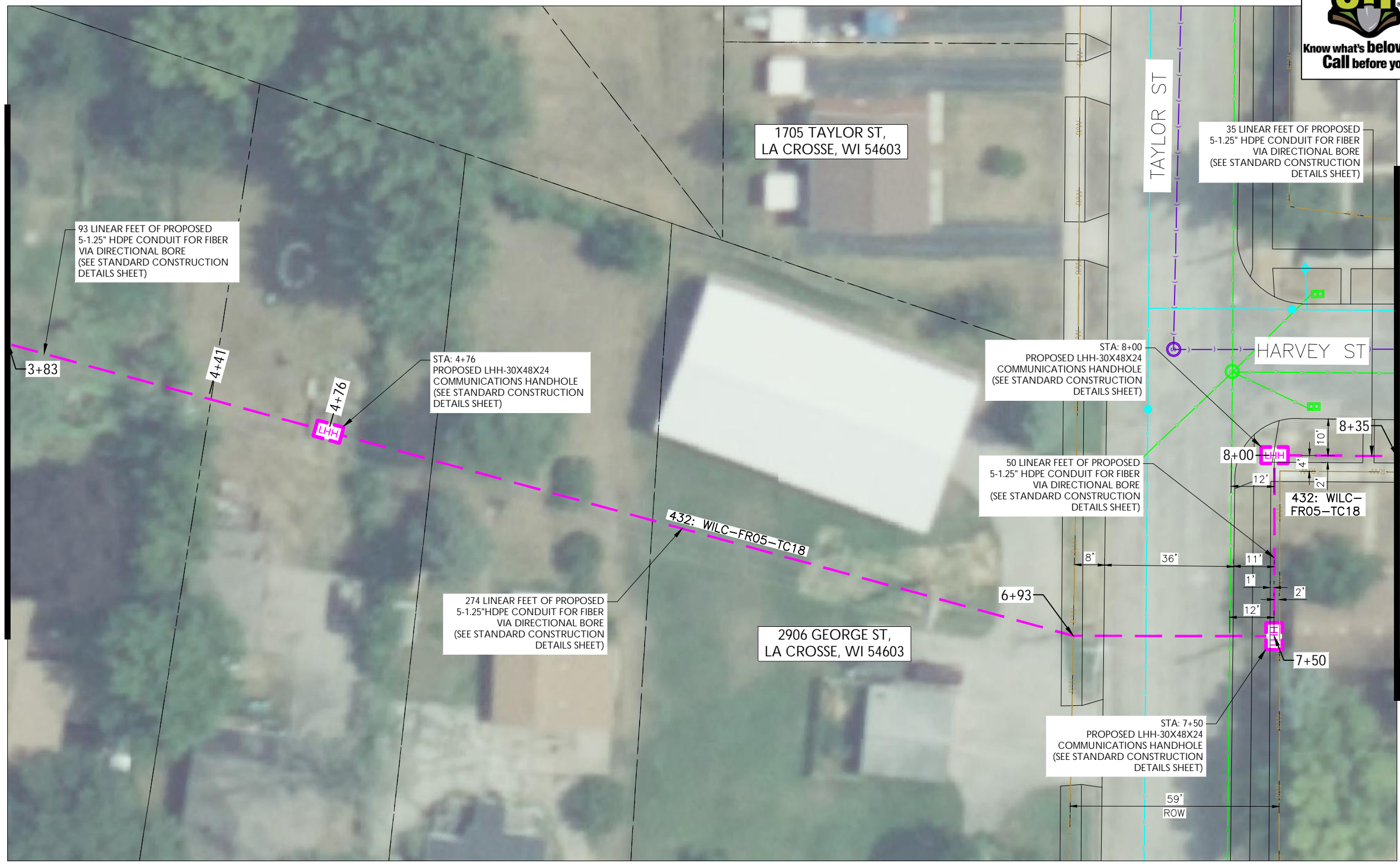
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MATCHLINE - SHEET C-01

MATCHLINE - SHEET C-03



REV	DATE	DESCRIPTION	BY
A	07/24/24	ISSUED FOR REVIEW	HT

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TASK NAME
WILC-FR05

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-02

NOTE:
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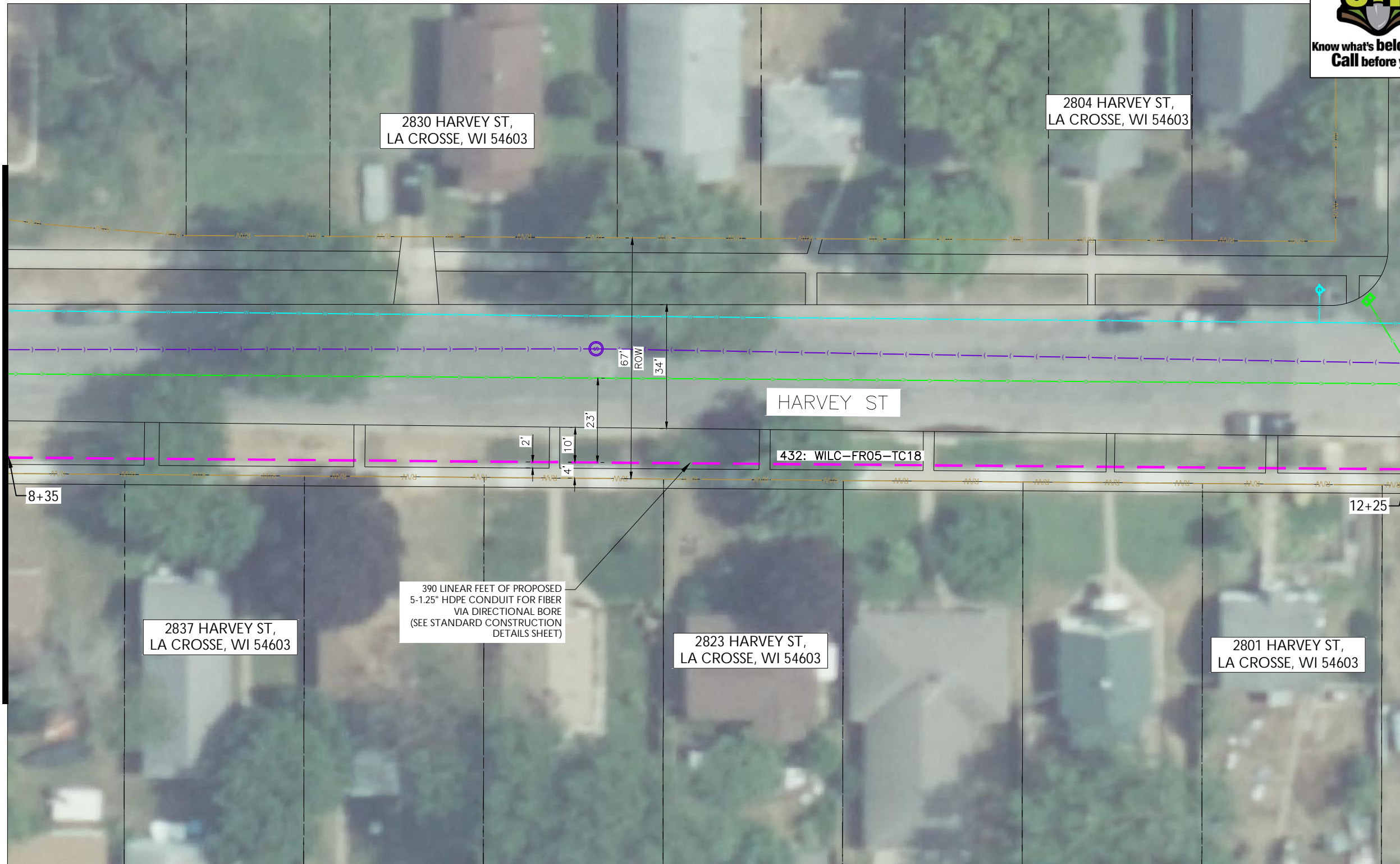
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MATCHLINE - SHEET C-02

MATCHLINE - SHEET C-04



REV	DATE	DESCRIPTION	BY
A	07/24/24	ISSUED FOR REVIEW	HT

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TASK NAME
WILC-FR05

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-03

NOTE:
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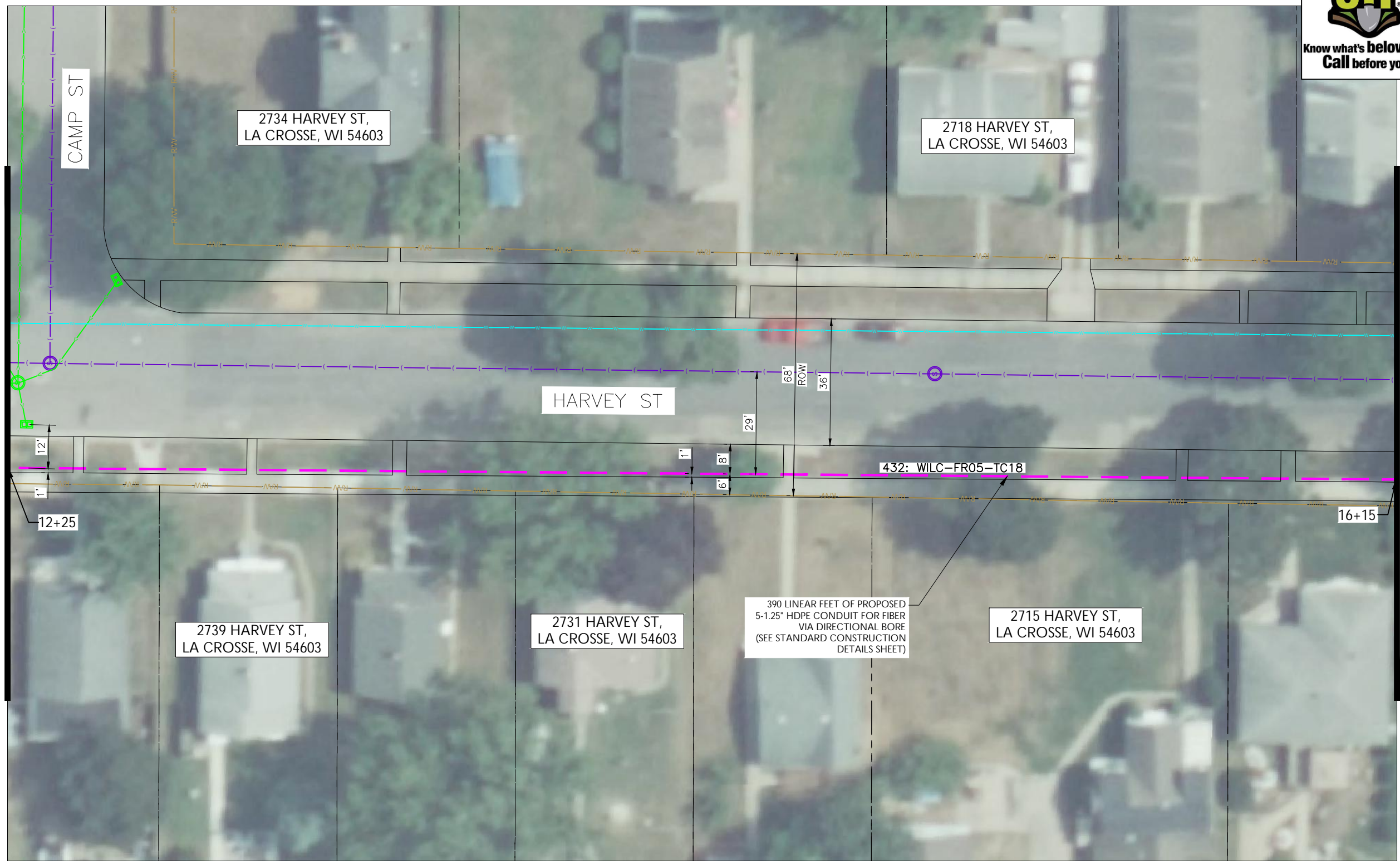
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MATCHLINE - SHEET C-03

MATCHLINE - SHEET C-05



REV	DATE	DESCRIPTION	BY
A	07/24/24	ISSUED FOR REVIEW	HT

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TASK NAME

WILC-FR05

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-04

NOTE:
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TASK NAME
WILC-FR05

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
 LACROSSE, WI, USA

SHEET SCALE
 1" = 30'-0"

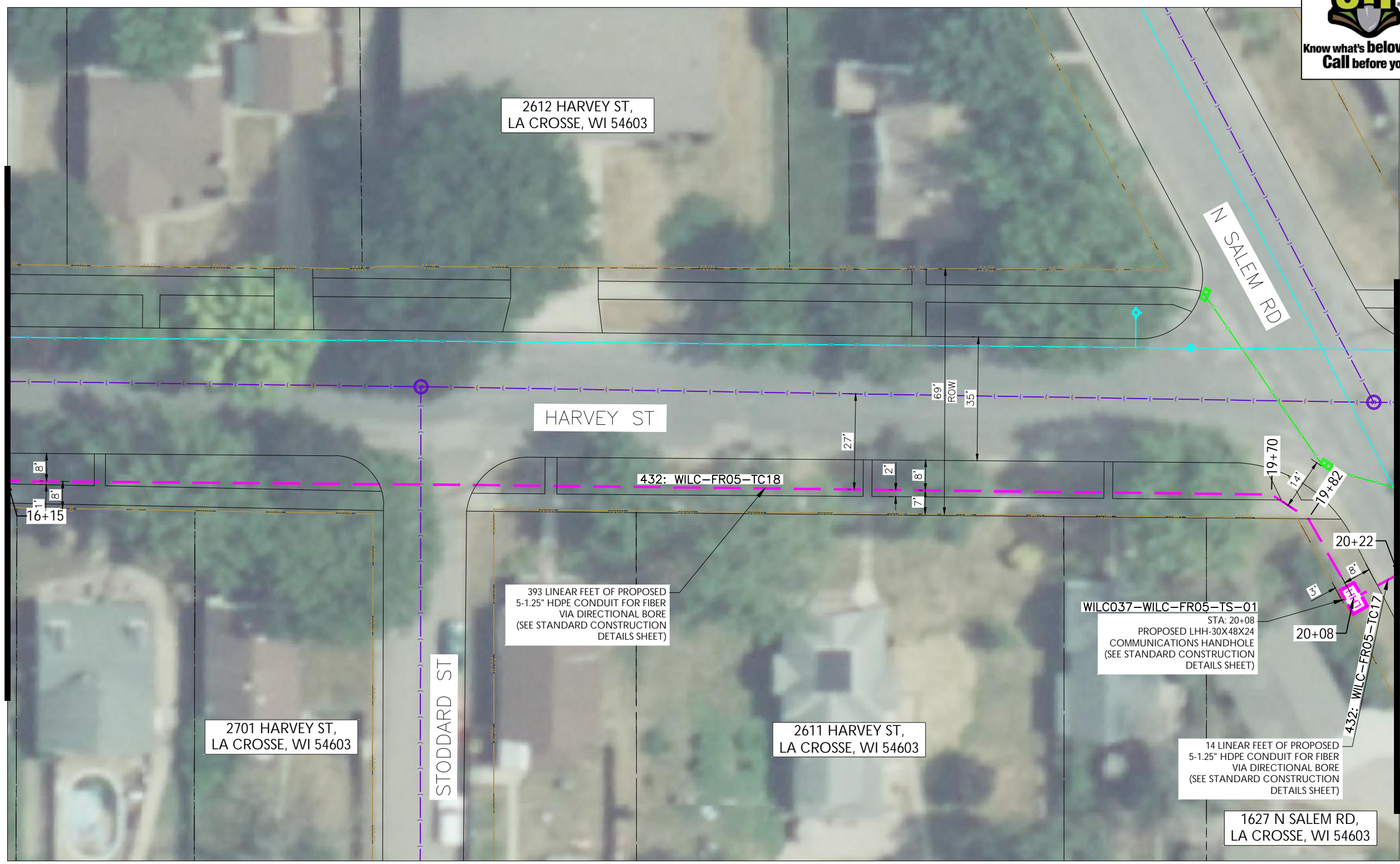
SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

SHEET NUMBER
C-05

MATCHLINE - SHEET C-04

MATCHLINE - SHEET C-06



NOTE:
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NOTE:
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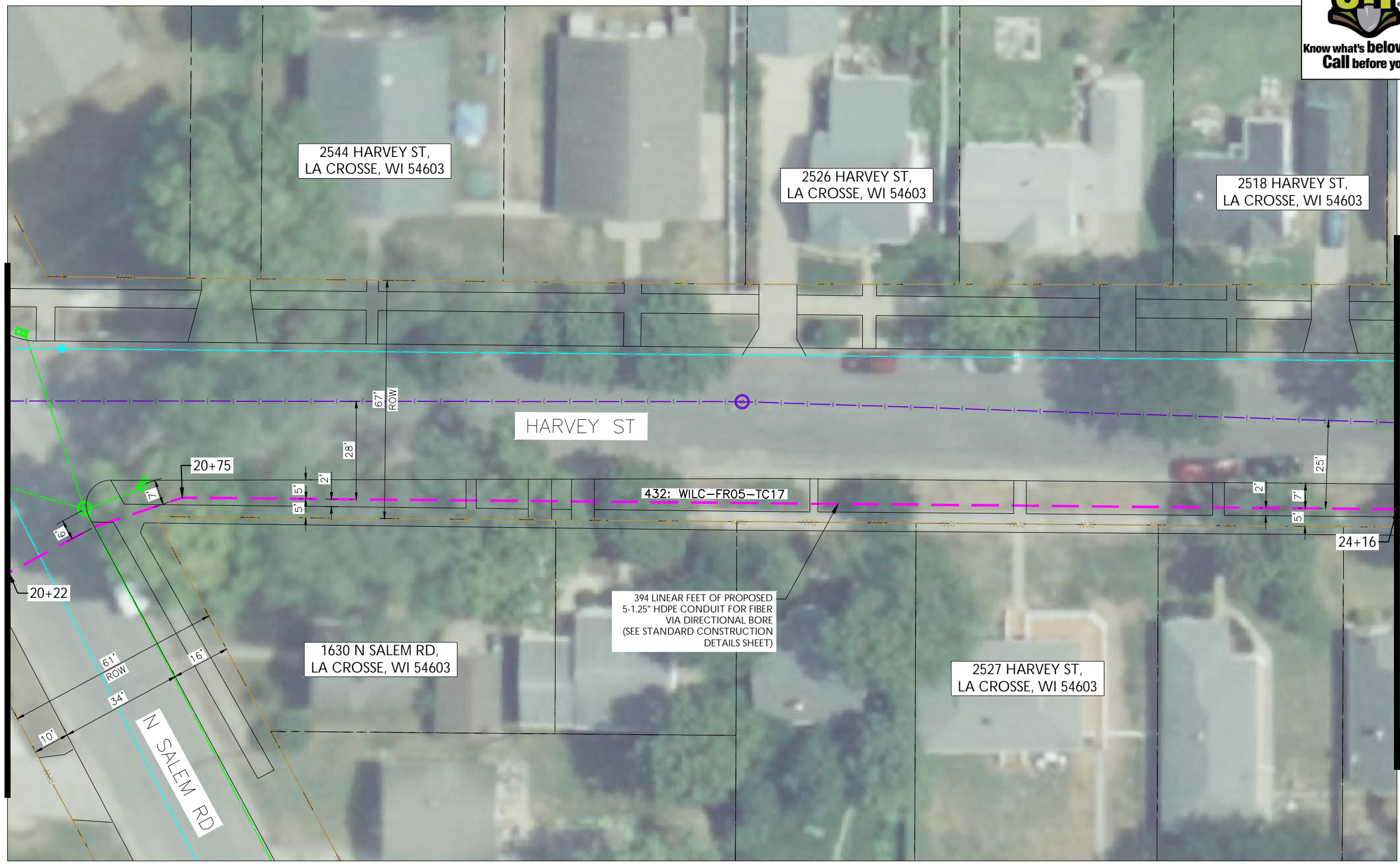




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MATCHLINE - SHEET C-05

MATCHLINE - SHEET C-07

REV	DATE	DESCRIPTION	BY
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TASK NAME
WILC-FR05

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-06

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

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

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

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

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



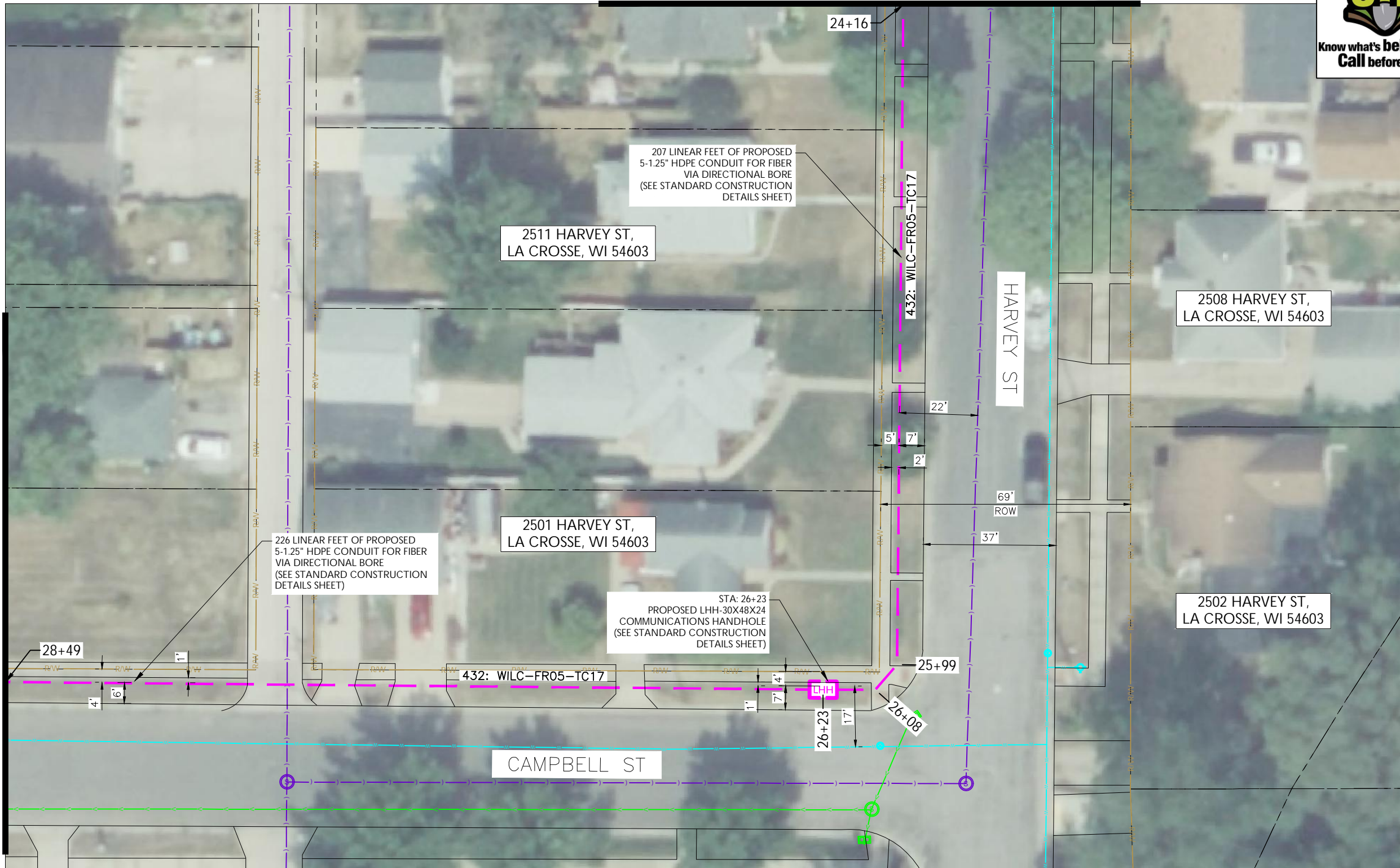


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www.fullerton-us.com

MATCHLINE — SHEET C-08



207 LINEAR FEET OF PROPOSED 5-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

2511 HARVEY ST,
LA CROSSE, WI 54603

2508 HARVEY ST,
LA CROSSE, WI 54603

2501 HARVEY ST,
LA CROSSE, WI 54603

226 LINEAR FEET OF PROPOSED 5-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

STA: 26+23
PROPOSED LHH-30X48X24 COMMUNICATIONS HANDHOLE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

2502 HARVEY ST,
LA CROSSE, WI 54603

432: WILC-FR05-TC17

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

NOTE:
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NOTE:
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NOTE:
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REV	DATE	DESCRIPTION	BY
A	07/24/24	ISSUED FOR REVIEW	HT

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
WILC-FR05

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

SHEET SCALE
1" = 30'-0"

SHEET TITLE
DESIGN LAYOUT

GRID NUMBER

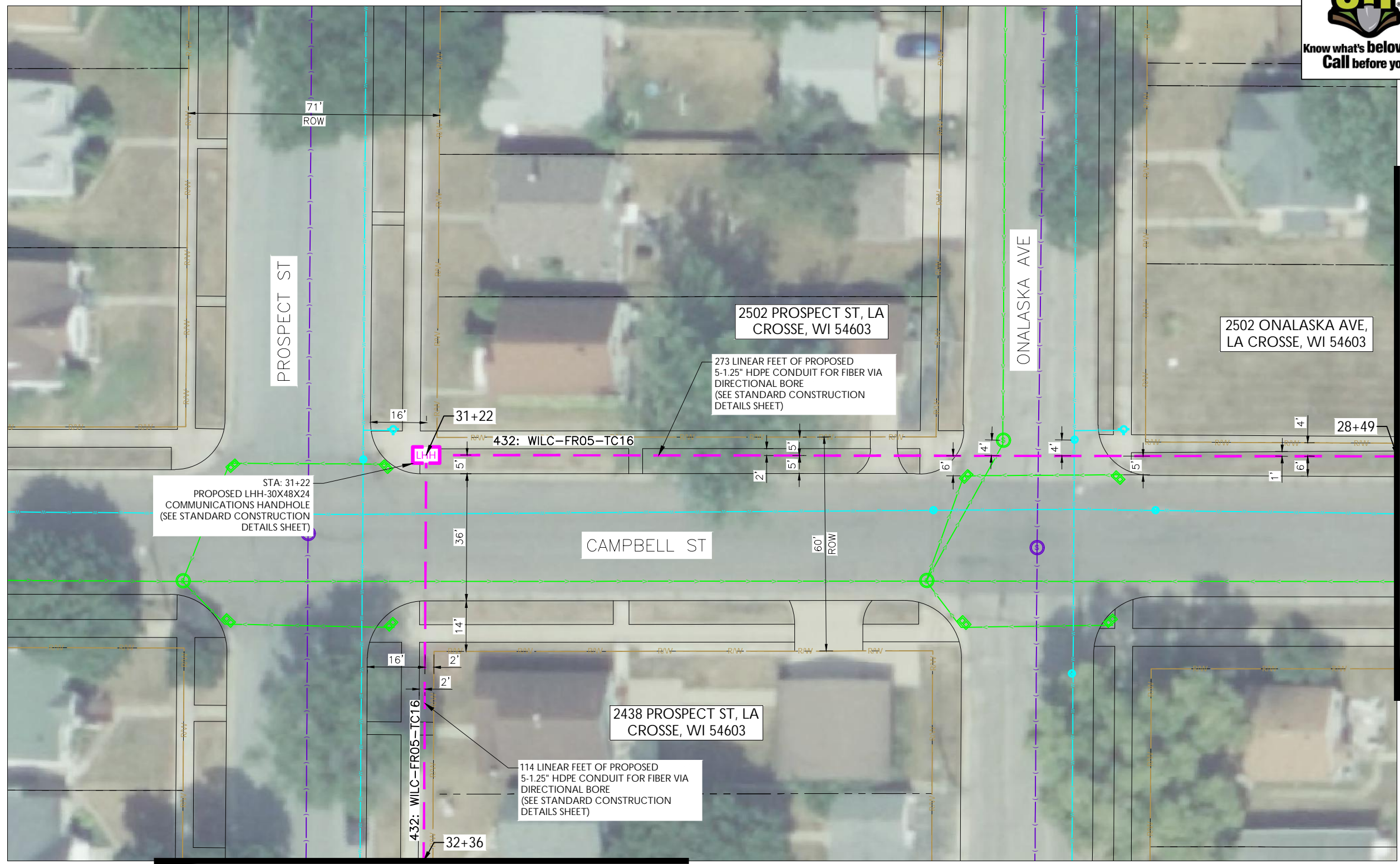
SHEET NUMBER
C-07



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MATCHLINE - SHEET C-07

MATCHLINE - SHEET C-09

REV	DATE	DESCRIPTION	BY
A	07/24/24	ISSUED FOR REVIEW	HT

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TASK NAME
WILC-FR05

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-08

NOTE:
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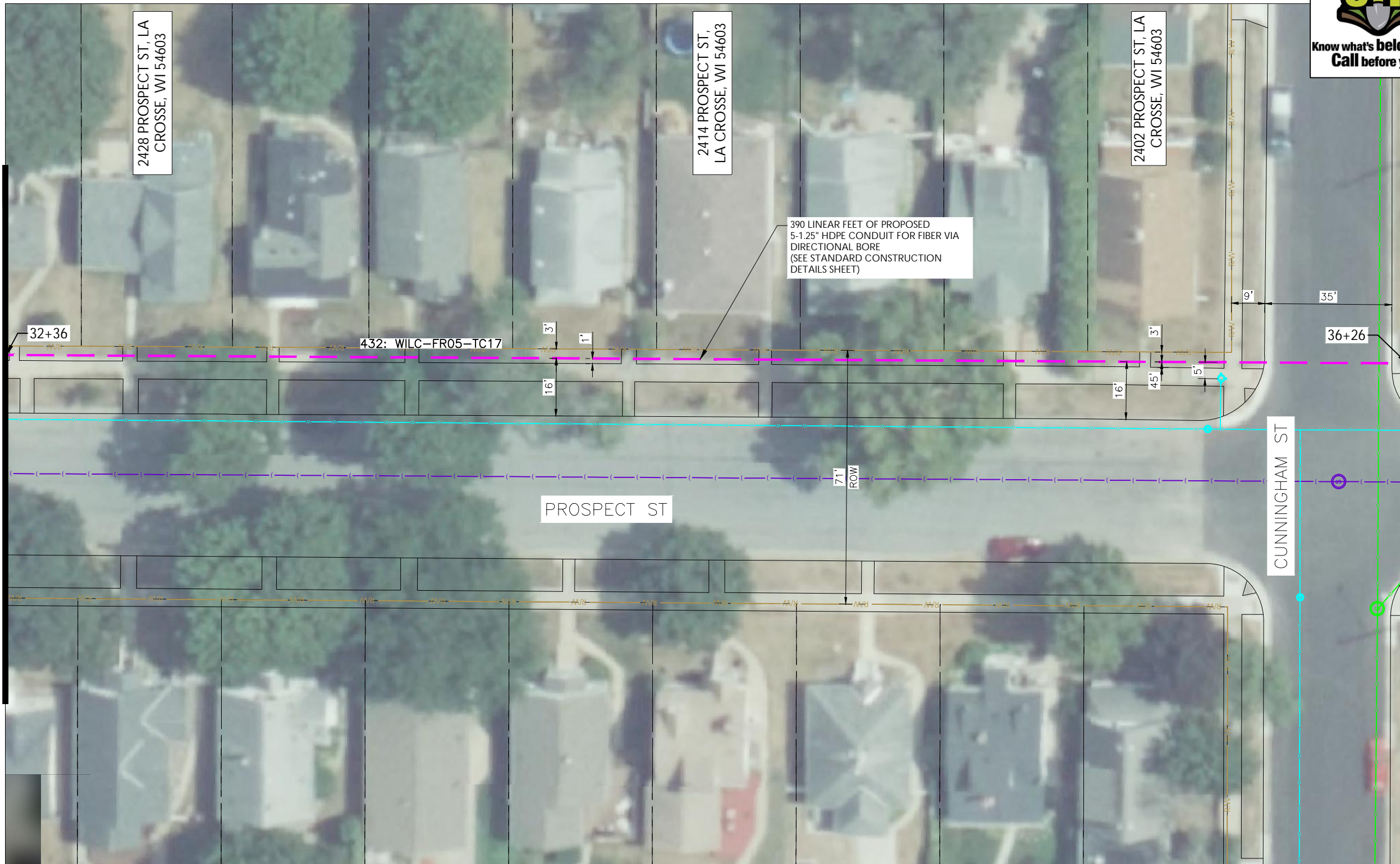
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MATCHLINE - SHEET C-08



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REV	DATE	DESCRIPTION	BY
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TASK NAME
WILC-FR05

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-09

NOTE:
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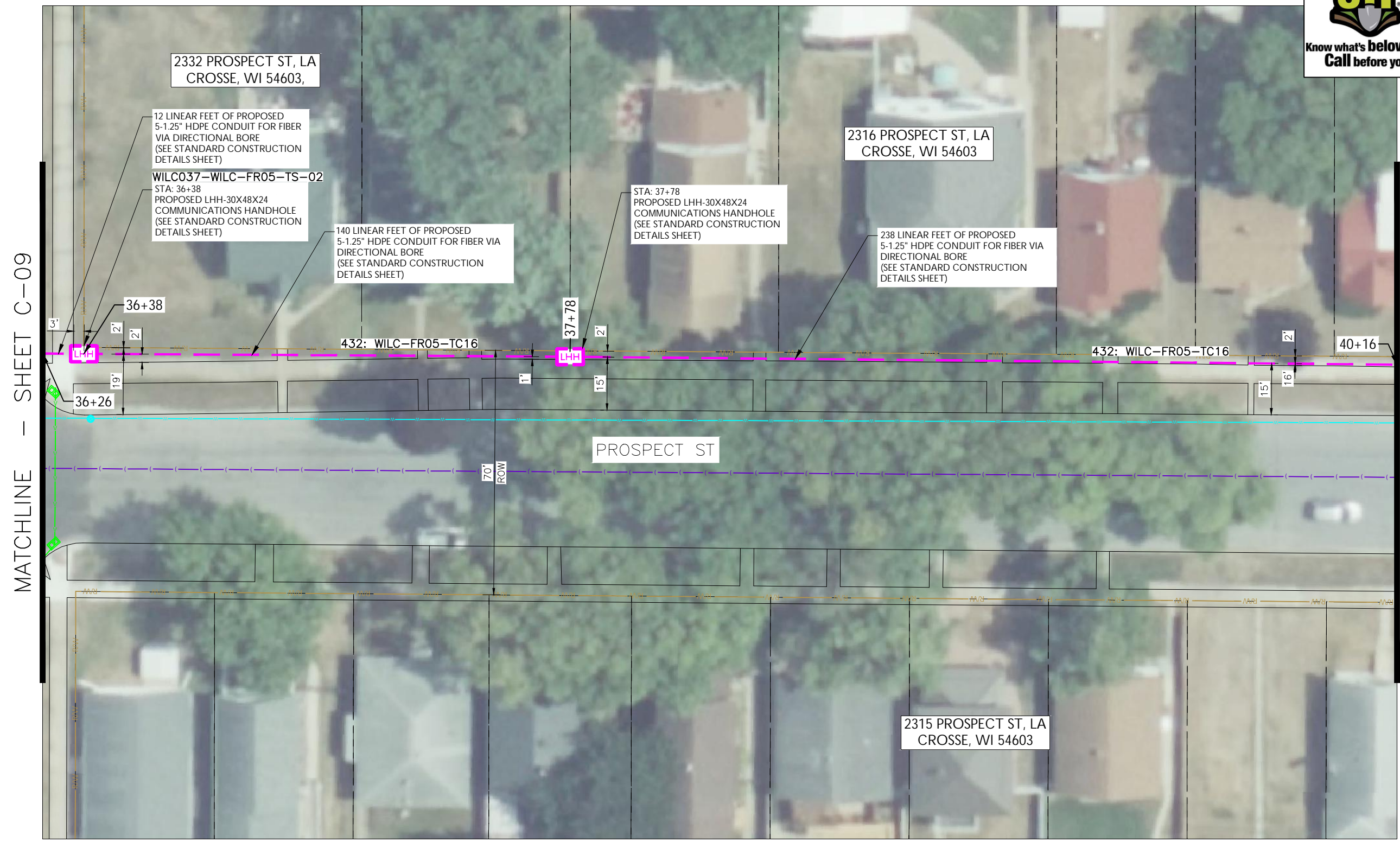




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MATCHLINE - SHEET C-09

MATCHLINE - SHEET C-11

REV	DATE	DESCRIPTION	BY
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TASK NAME
WILC-FR05

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-10

NOTE:
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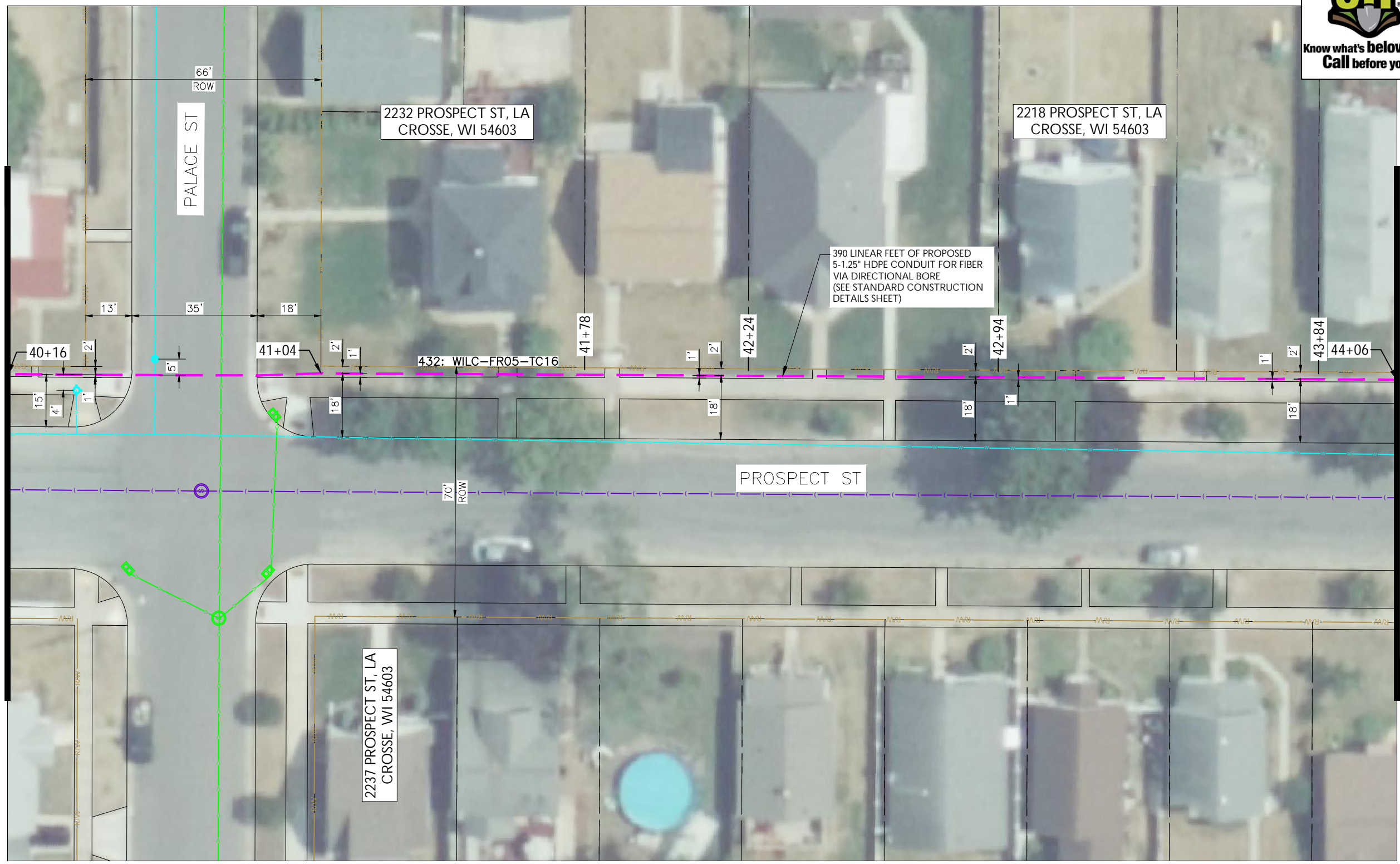
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MATCHLINE - SHEET C-10

MATCHLINE - SHEET C-12



REV	DATE	DESCRIPTION	BY
A	07/24/24	ISSUED FOR REVIEW	HT

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TASK NAME
WILC-FR05

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-11

NOTE:
 · PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS
 · BURY AT 24" MIN. UNDER SOFT SURFACE
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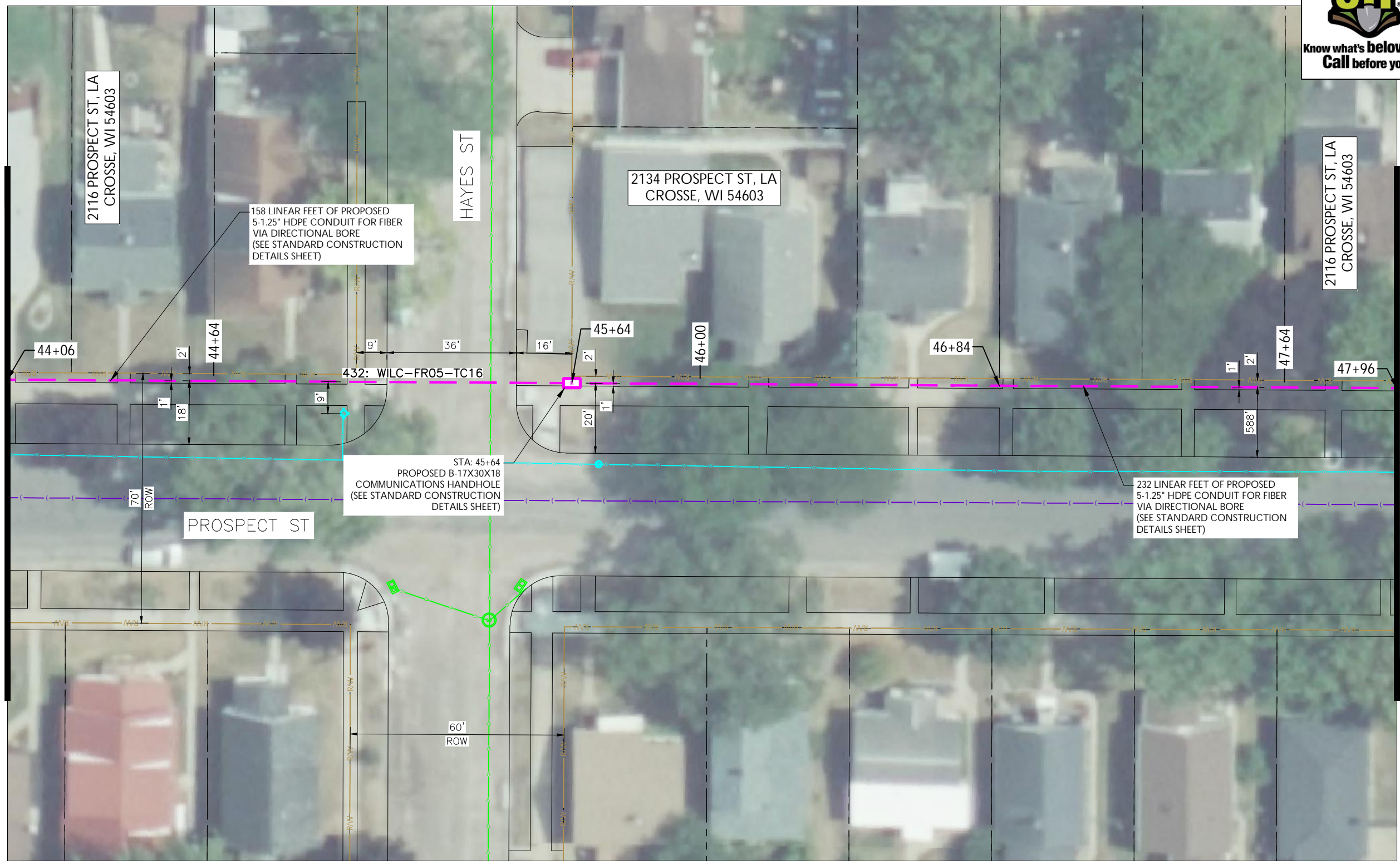
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MATCHLINE - SHEET C-11

MATCHLINE - SHEET C-13



REV	DATE	DESCRIPTION	BY
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TASK NAME
WILC-FR05

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-12

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

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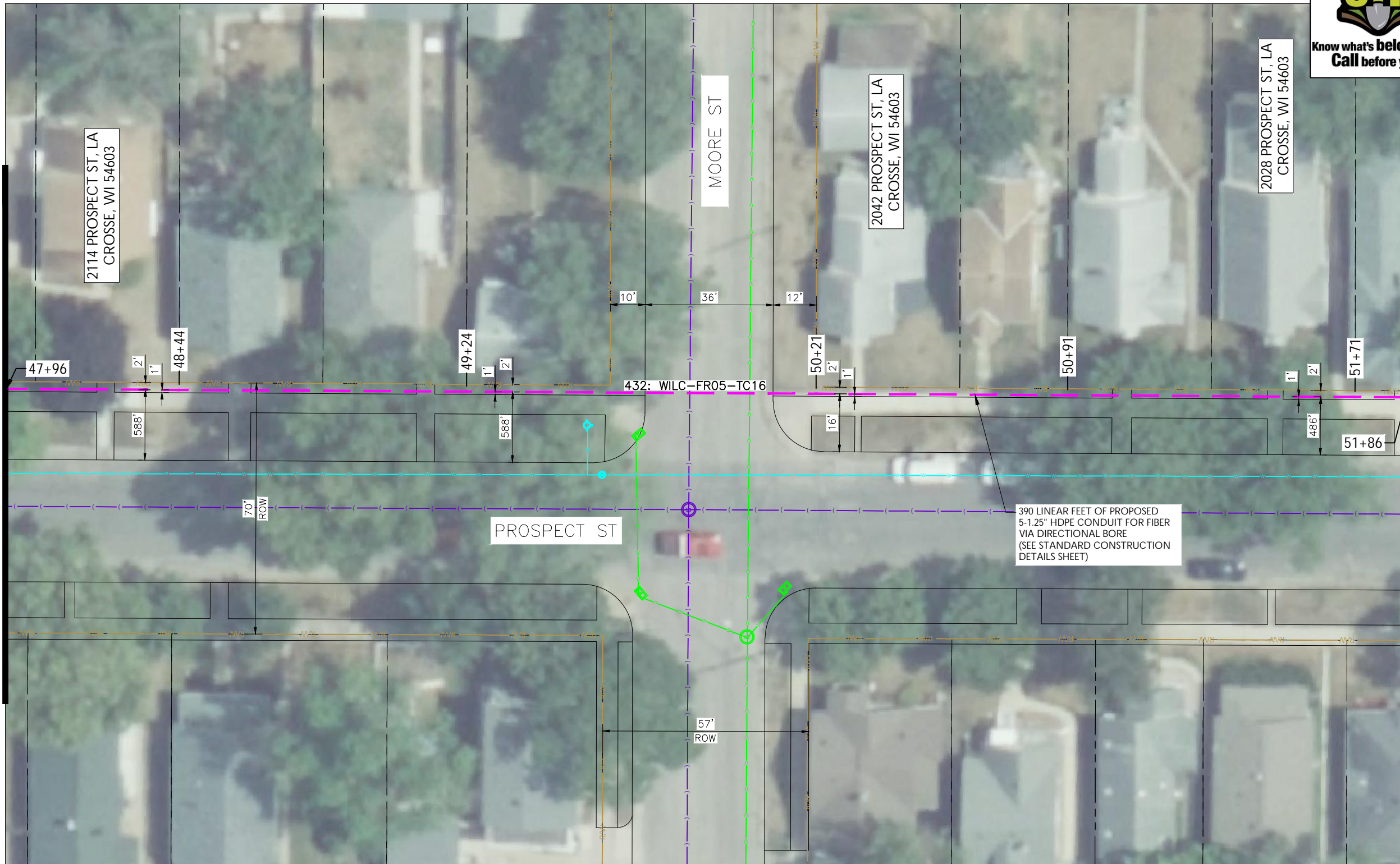
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MATCHLINE - SHEET C-12



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REV	DATE	DESCRIPTION	BY
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TASK NAME
WILC-FR05

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-13

NOTE:
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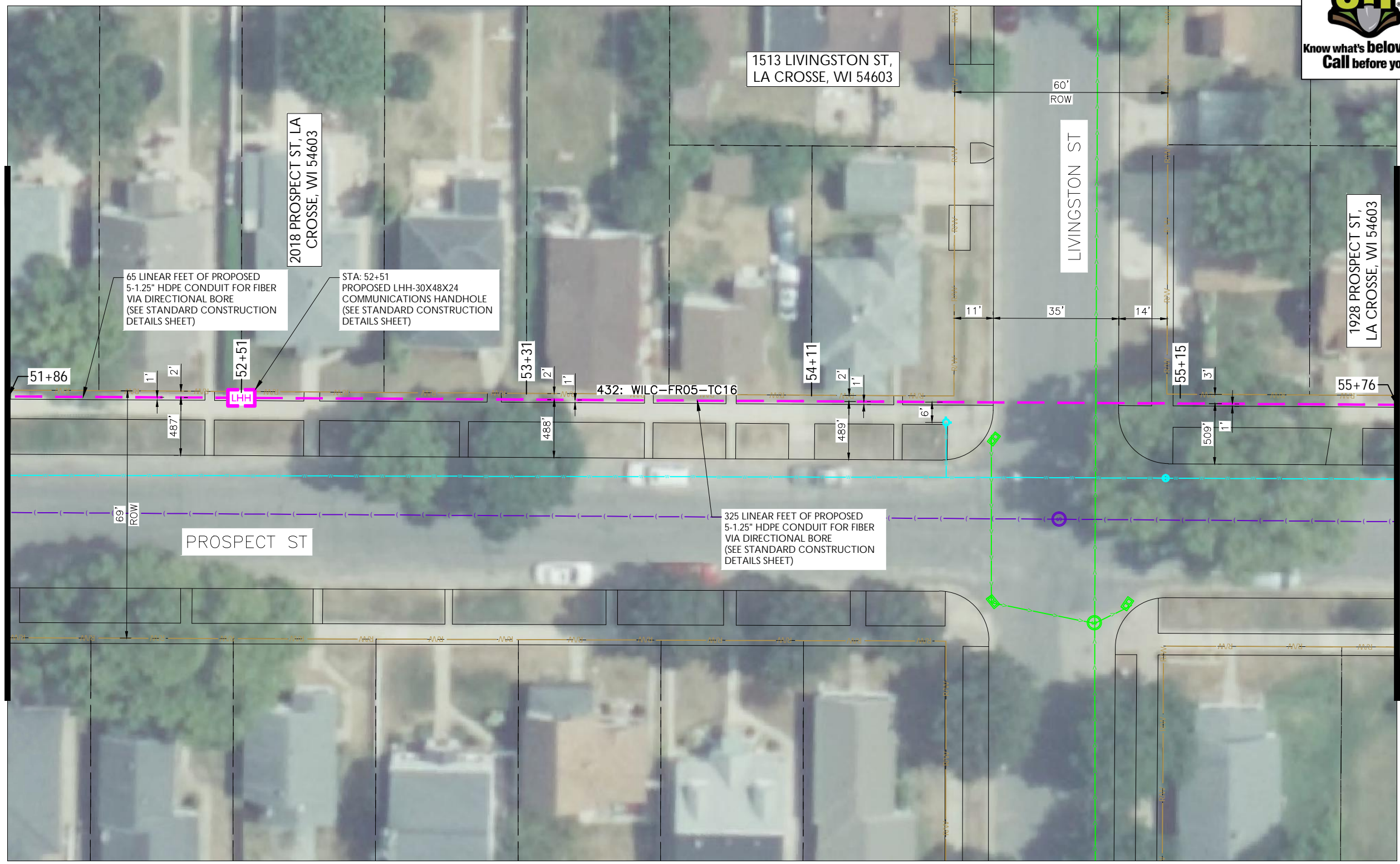
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MATCHLINE - SHEET C-13

MATCHLINE - SHEET C-15



65 LINEAR FEET OF PROPOSED 5-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

STA: 52+51 PROPOSED LHH-30X48X24 COMMUNICATIONS HANDHOLE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

325 LINEAR FEET OF PROPOSED 5-1.25" HDPE CONDUIT FOR FIBER VIA DIRECTIONAL BORE (SEE STANDARD CONSTRUCTION DETAILS SHEET)

432: WILC-FR05-TC16

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

NOTE:
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REV	DATE	DESCRIPTION	BY
A	07/24/24	ISSUED FOR REVIEW	HT

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TASK NAME
WILC-FR05

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-14



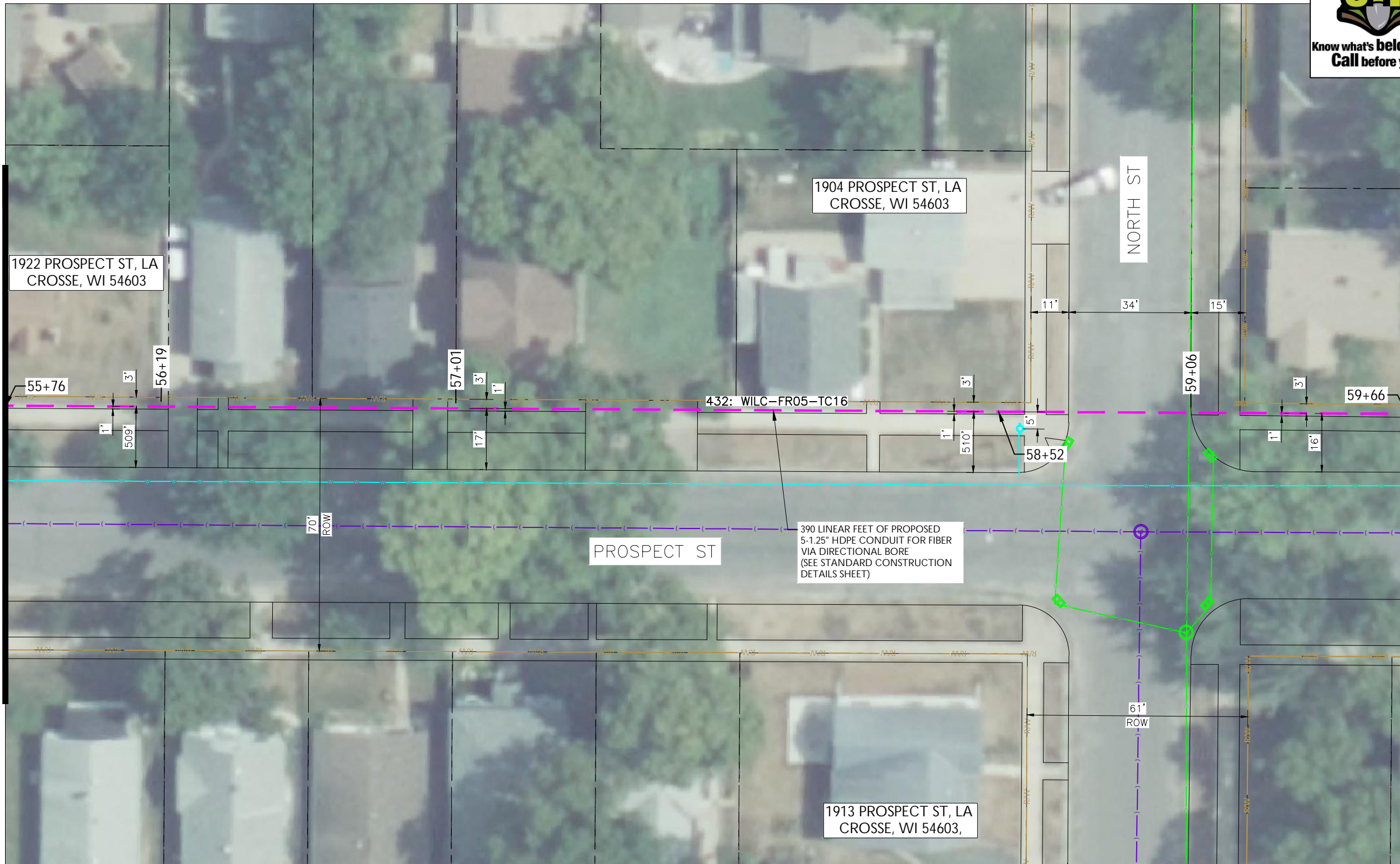
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MATCHLINE - SHEET C-14

MATCHLINE - SHEET C-16



REV	DATE	DESCRIPTION	BY
A	07/24/24	ISSUED FOR REVIEW	HT

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
WILC-FR05

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-15

NOTE:
 · PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS
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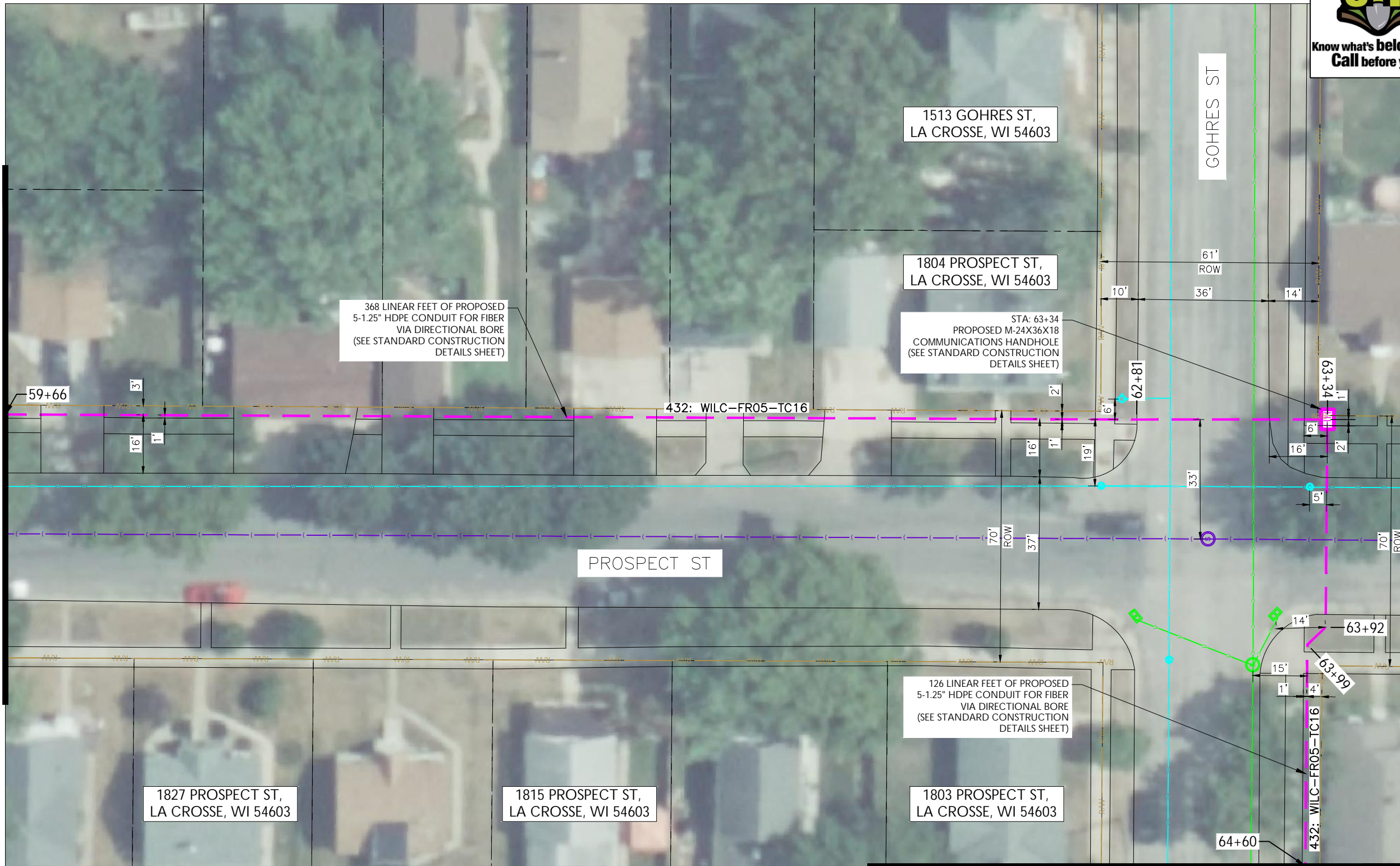
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MATCHLINE - SHEET C-15



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REV	DATE	DESCRIPTION	BY
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TASK NAME
WILC-FR05

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-16

NOTE:
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MATCHLINE - SHEET C-17



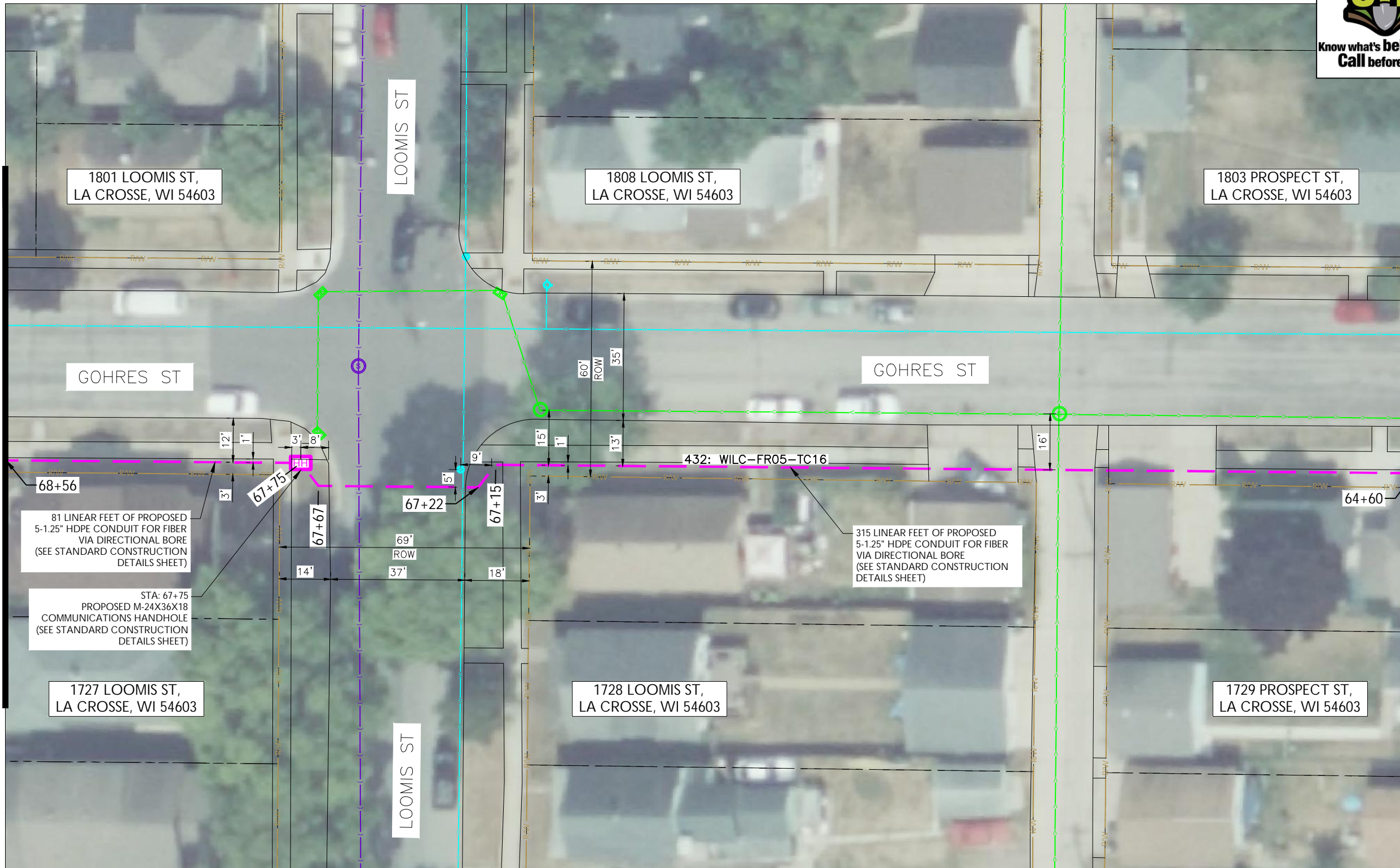
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MATCHLINE - SHEET C-18

MATCHLINE - SHEET C-16



REV	DATE	DESCRIPTION	BY
A	07/24/24	ISSUED FOR REVIEW	HT

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
WILC-FR05

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-17

NOTE:
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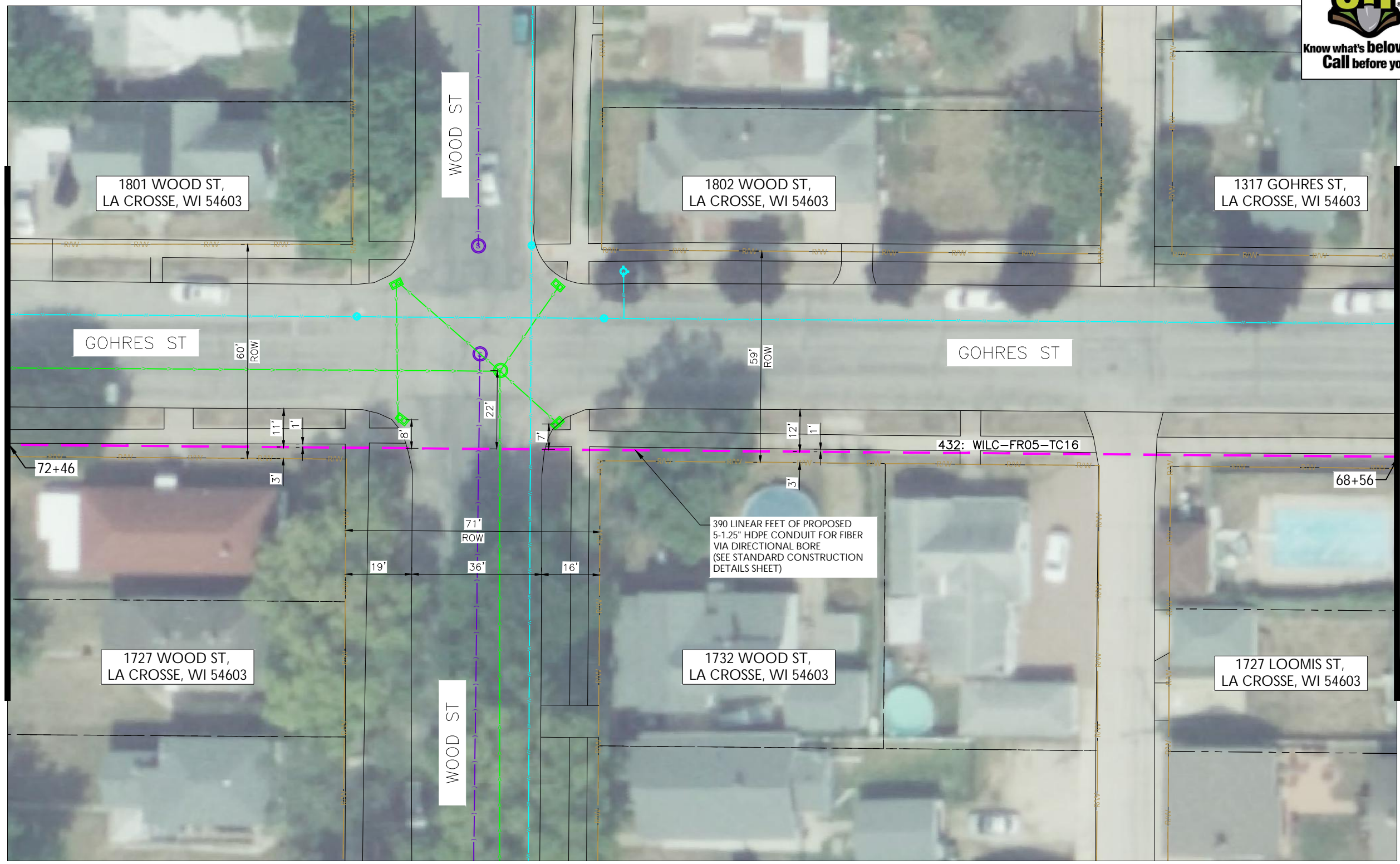
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MATCHLINE - SHEET C-19

MATCHLINE - SHEET C-17



REV	DATE	DESCRIPTION	BY
A	07/24/24	ISSUED FOR REVIEW	HT

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TASK NAME
WILC-FR05

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-18

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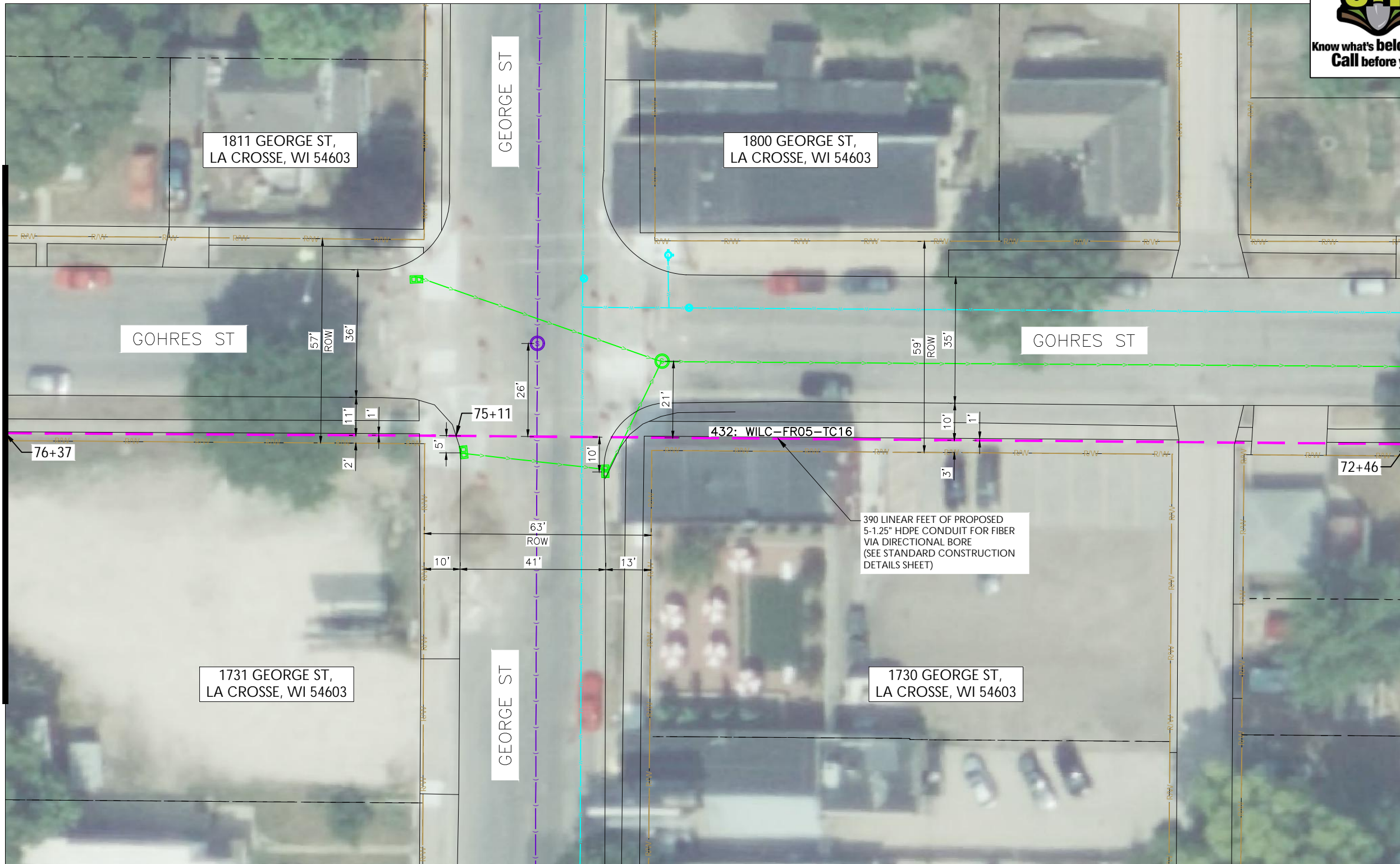
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 SCHAUMBURG, ILLINOIS 60173
 TEL: 847-908-8400
 COA# 3620-11
 www.fullerton-us.com

MATCHLINE - SHEET C-20

MATCHLINE - SHEET C-18



REV	DATE	DESCRIPTION	BY
A	07/24/24	ISSUED FOR REVIEW	HT

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
WILC-FR05

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-19

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

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

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

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

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





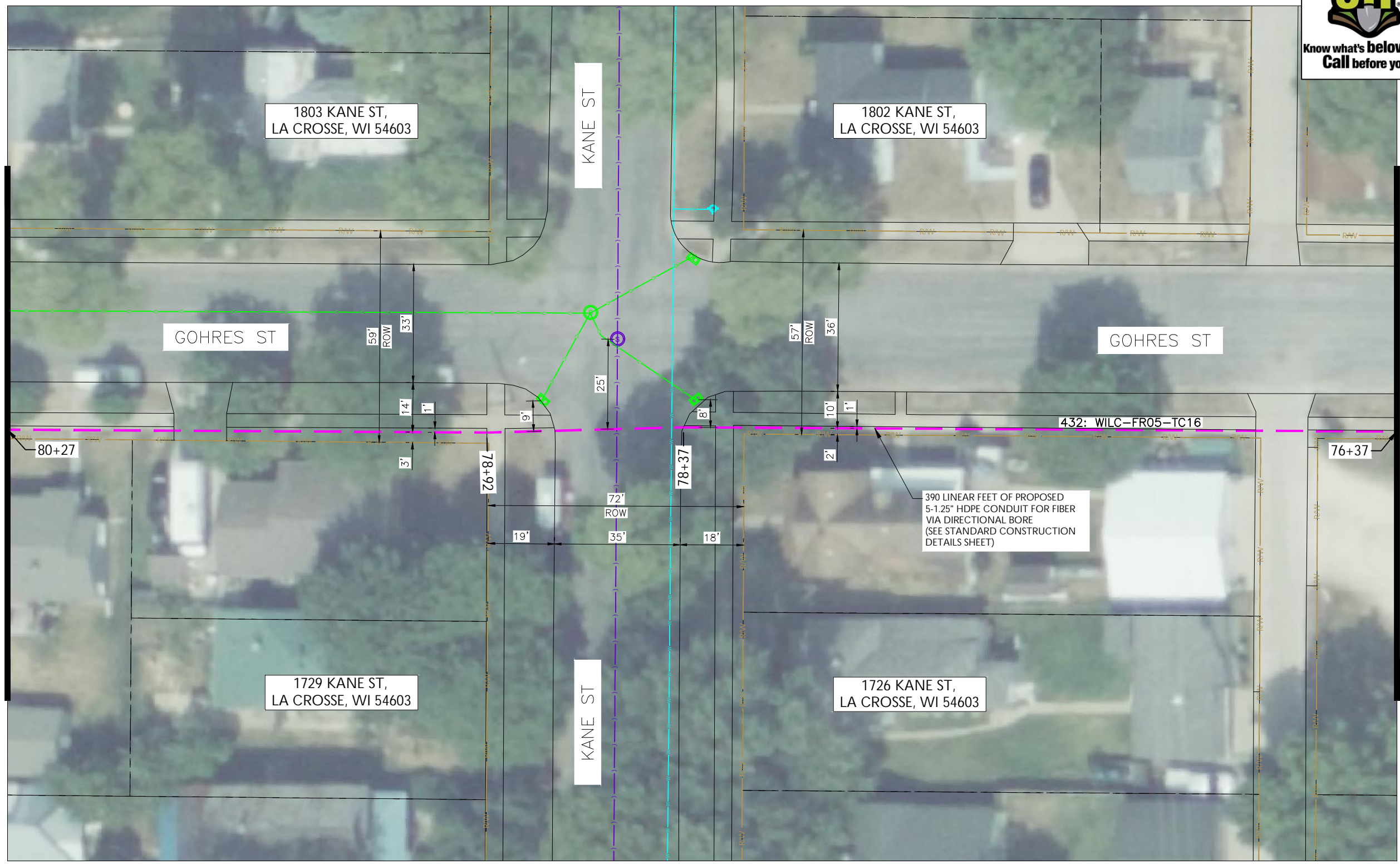
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MATCHLINE - SHEET C-21

MATCHLINE - SHEET C-19



REV	DATE	DESCRIPTION	BY
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TASK NAME
WILC-FR05

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-20

NOTE:
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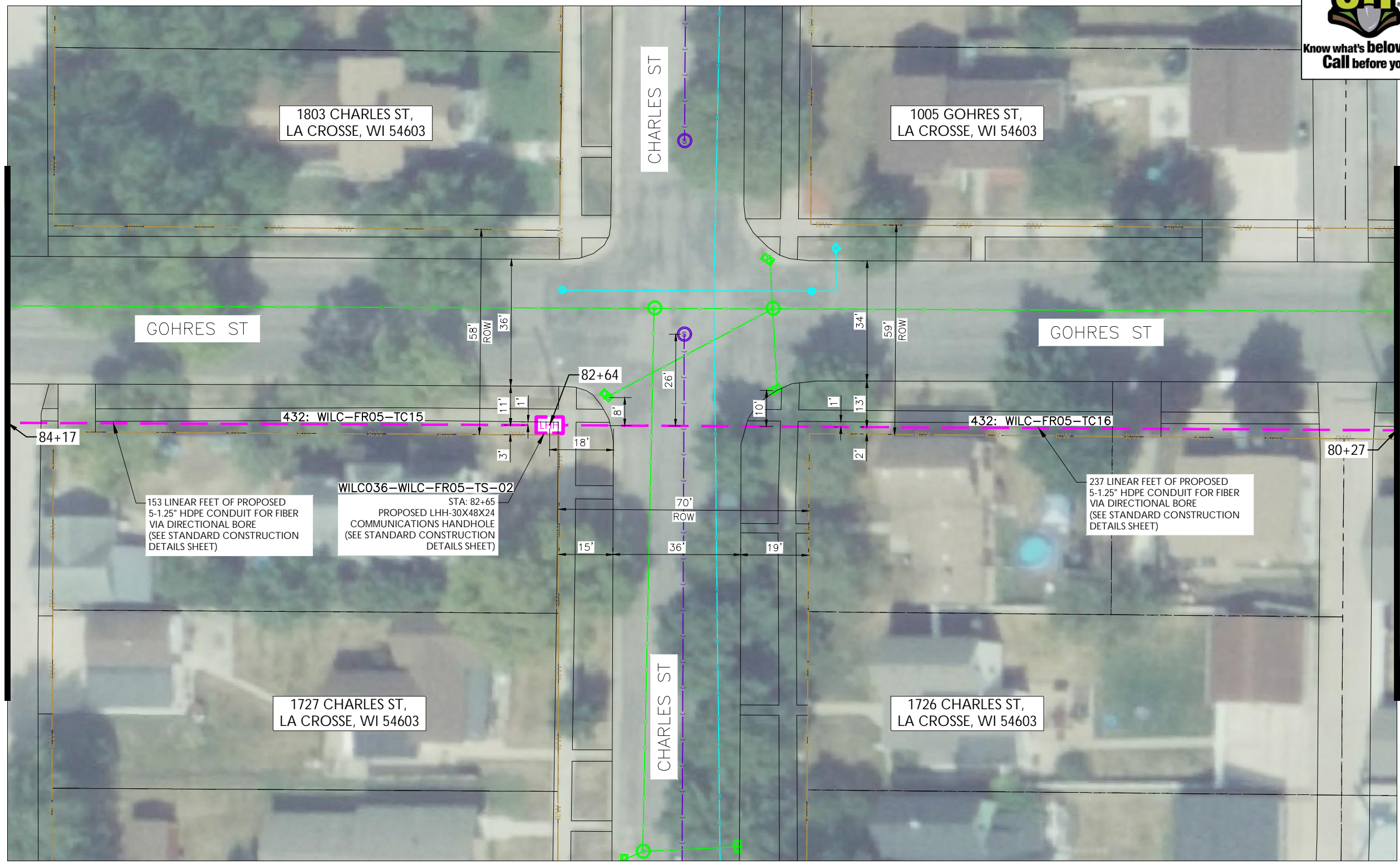
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MATCHLINE - SHEET C-22

MATCHLINE - SHEET C-20



REV	DATE	DESCRIPTION	BY
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TASK NAME
WILC-FR05

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-21

NOTE:
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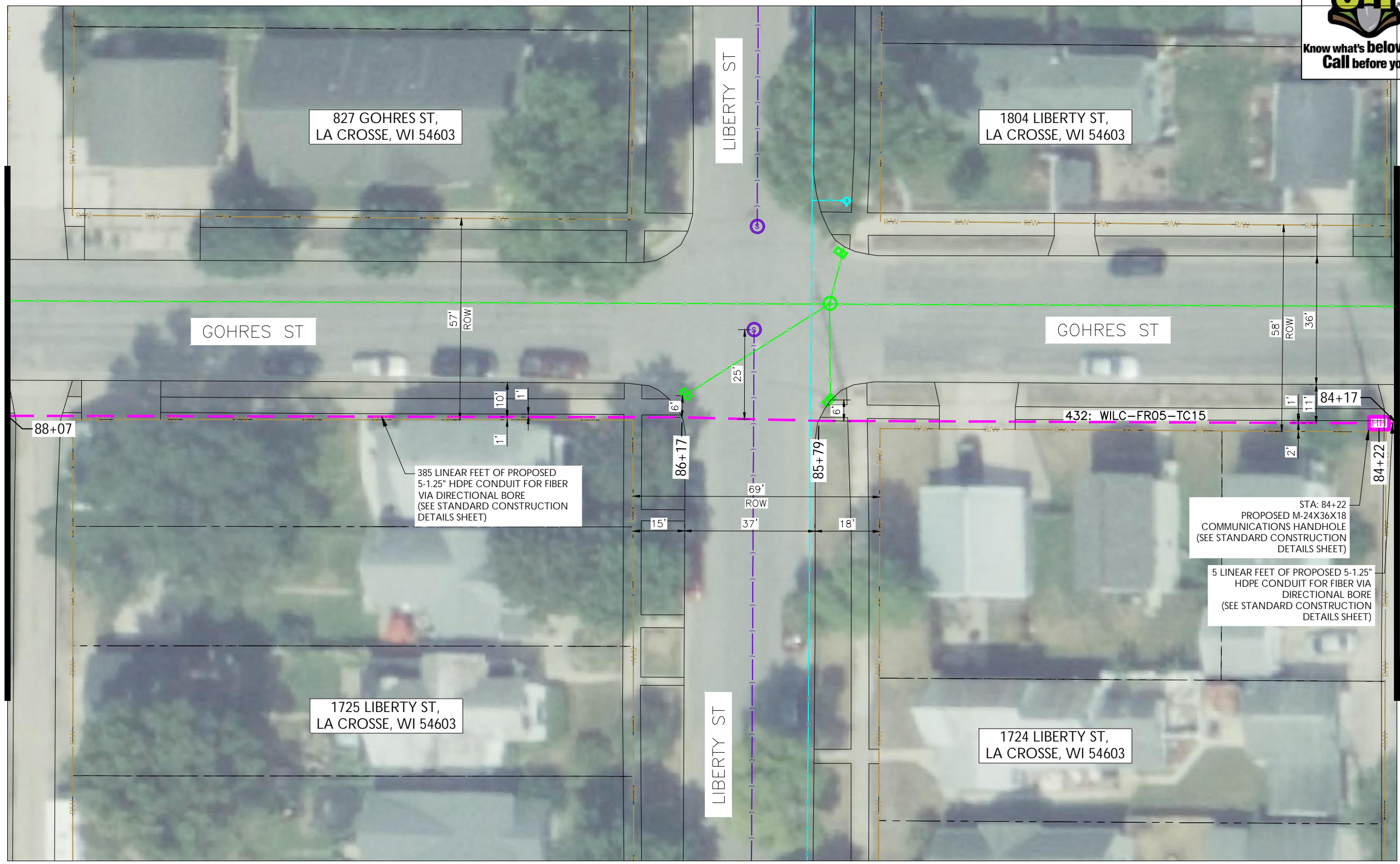
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MATCHLINE - SHEET C-23

MATCHLINE - SHEET C-21



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TASK NAME
WILC-FR05

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-22

NOTE:
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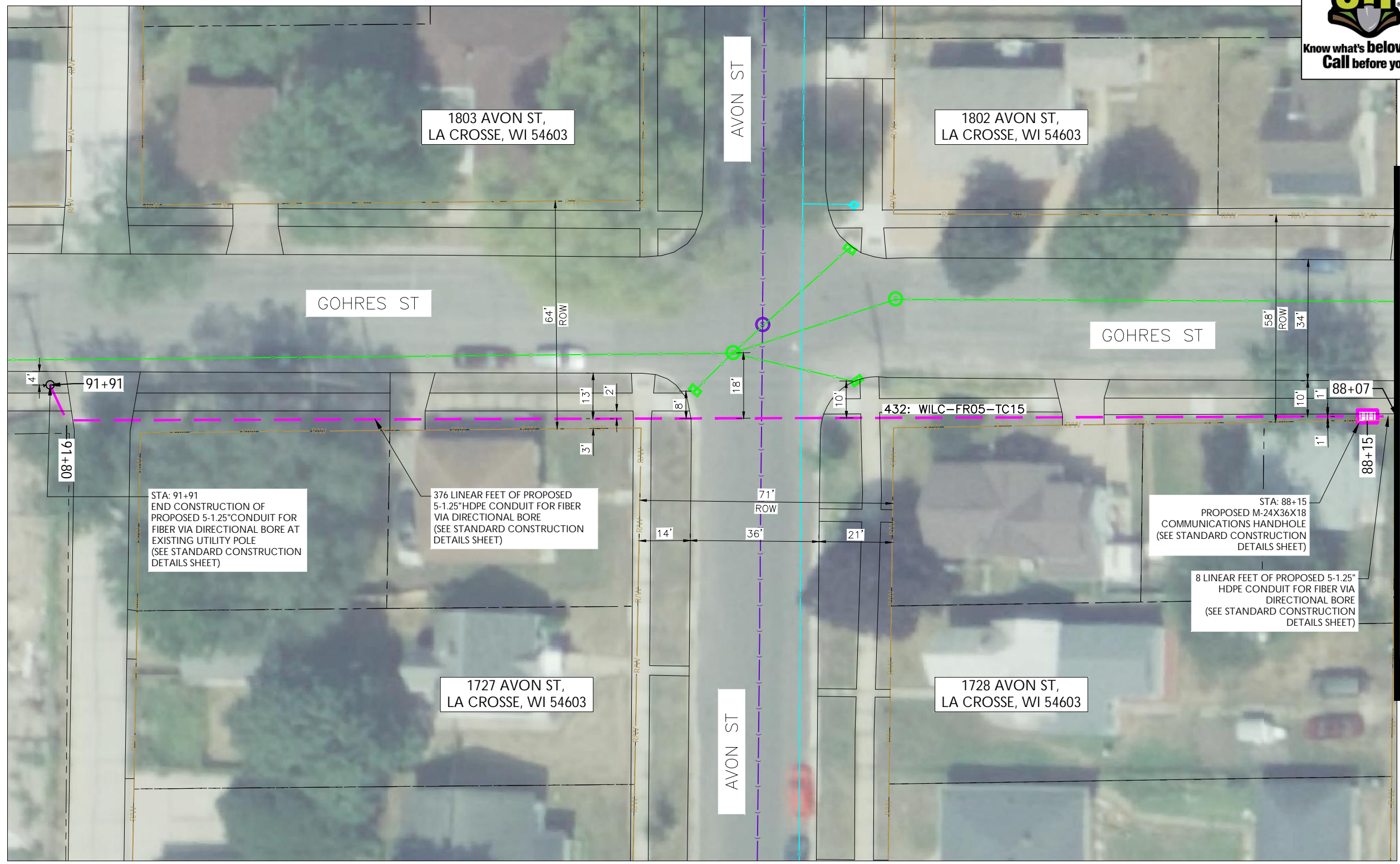




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MATCHLINE - SHEET C-22

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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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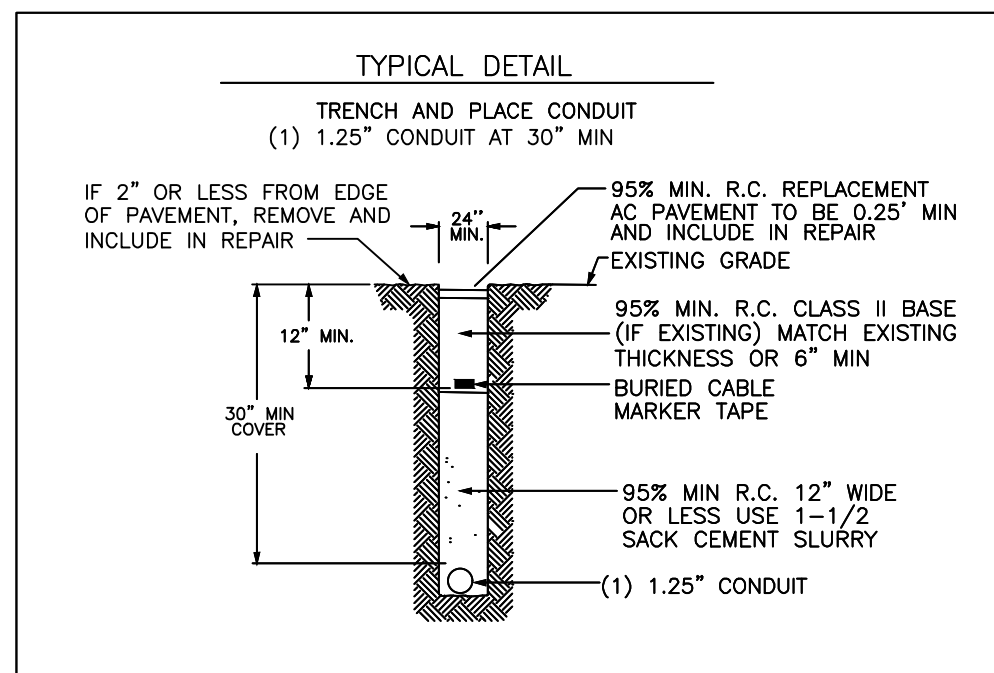
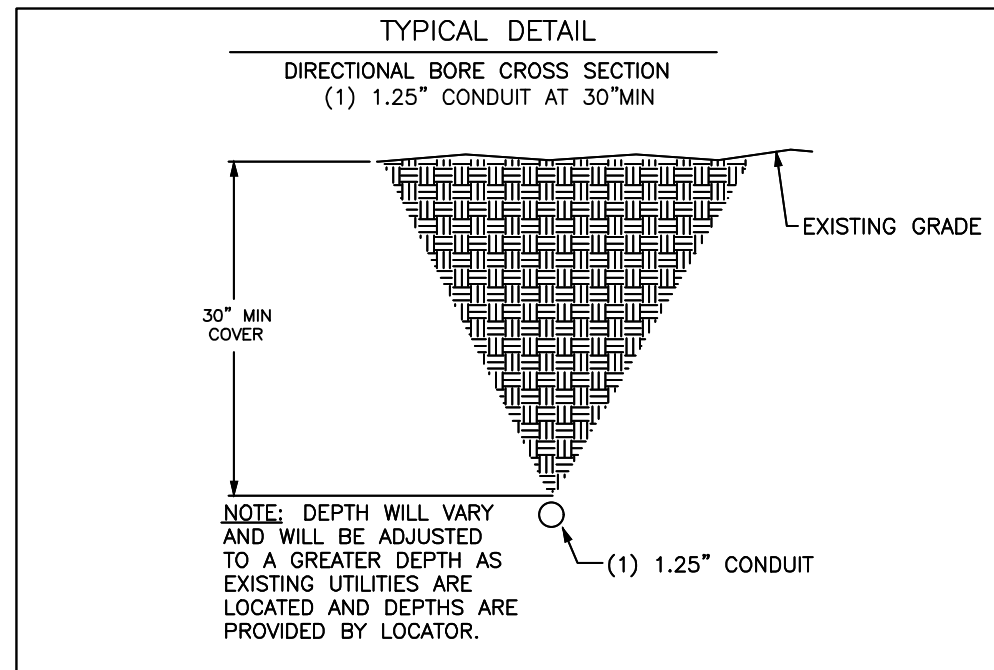


ADDITIONAL NOTES:

1. EXCEPT AS OTHERWISE NOTED, CONTRACTOR SHALL MAINTAIN A MINIMUM OF 24 INCHES OF SEPARATION FROM EXISTING UTILITIES.
2. CONTRACTOR SHALL POT HOLE 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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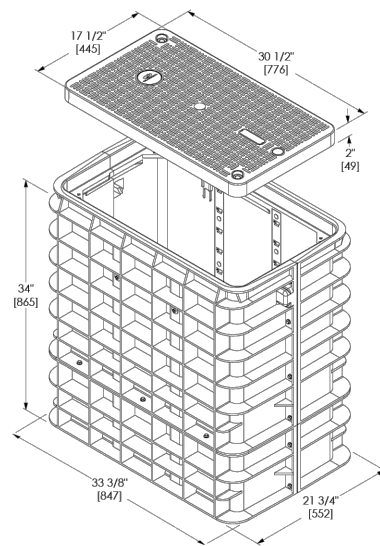
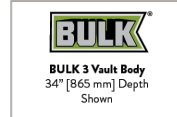
TASK NAME	WILC-FR05
TASK DESCRIPTION	FIBER OPTIC CONDUIT PLACEMENT
PROJECT AREA	LACROSSE, WI, USA
SHEET SCALE	N.T.S.
SHEET TITLE	DETAILS
GRID NUMBER	
SHEET NUMBER	D-1

BULK 3 Series

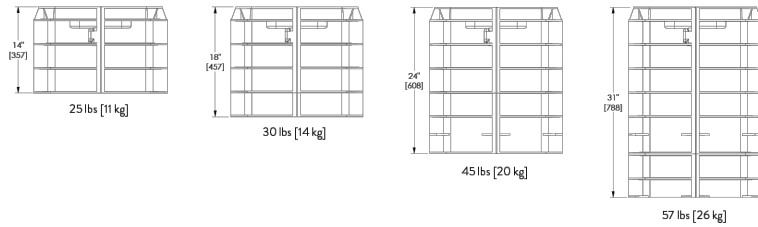
TECHNICAL SPECIFICATIONS

BODY SPECIFICATIONS

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



ADDITIONAL BODY DEPTHS

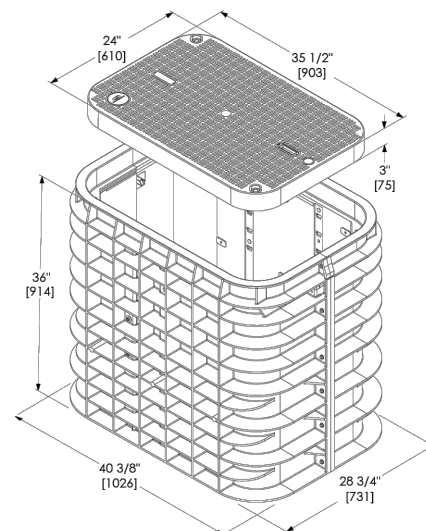
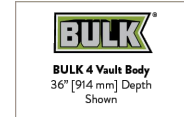


BULK 4 Series

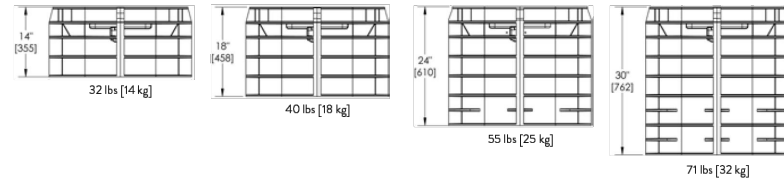
TECHNICAL SPECIFICATIONS

BODY SPECIFICATIONS

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



ADDITIONAL BODY DEPTHS

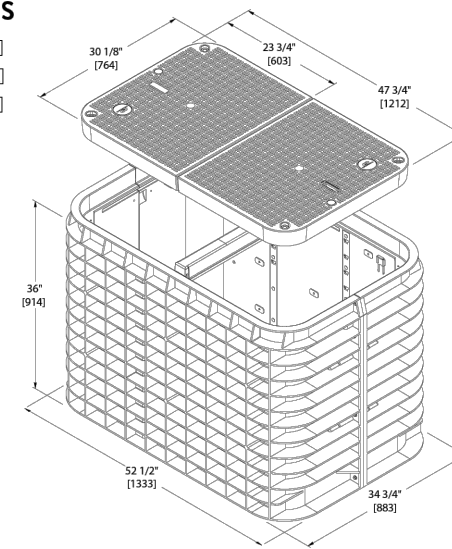
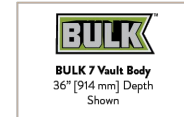


BULK 7 Series

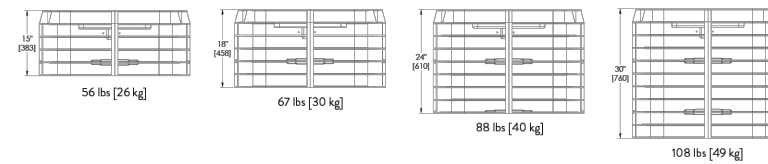
TECHNICAL SPECIFICATIONS

BODY SPECIFICATIONS

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



ADDITIONAL BODY DEPTHS



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TASK NAME

WILC-FR05

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

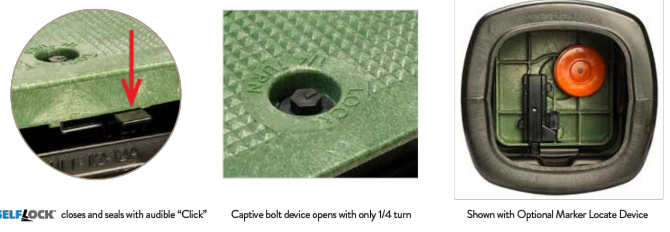
The New Signature Series SGLB High Density Polyethylene (HDPE) grade level box line come standard with Logo Disk and the Patented **SELFLOCK** automatic locking mechanism.

FEATURES

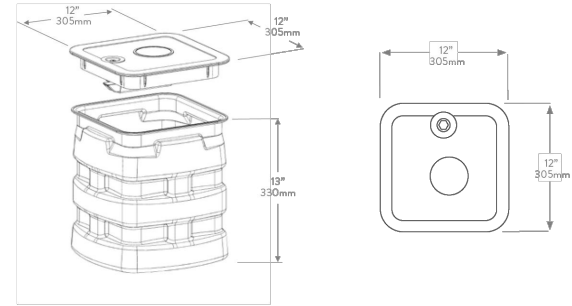
- 13" (330mm) Depth
- No bolts to be lost, misplaced, or not installed back into the unit

- 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



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

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Fullerton
 DESIGN DEVELOP CONSTRUCT

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 SCHAUMBURG, ILLINOIS 60173
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SGLB-2 SIGNATURE SERIES GRADE LEVEL BOX WITH **SELFLOCK** PROTECTION



SELFLOCK

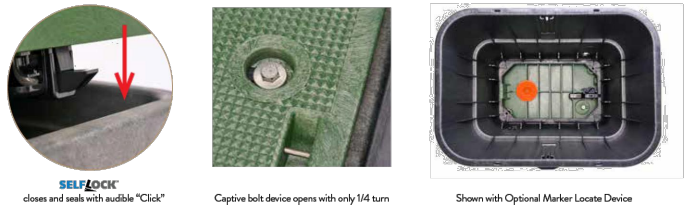
The Signature Series SGLB-2 High Density Polyethylene (HDPE) grade level box line comes standard with Customizable Logo Disk and the Patented **SELFLOCK** automatic locking mechanism.

FEATURES

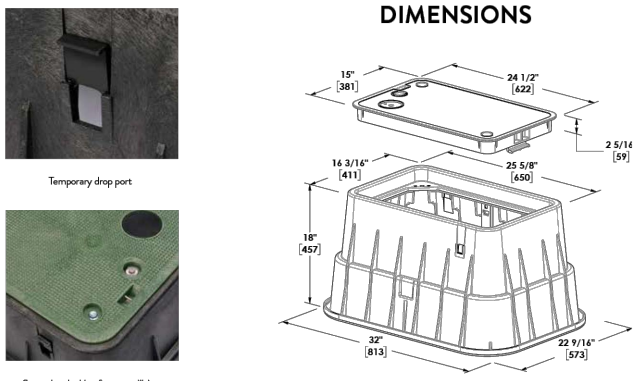
- Designed for Greenbelt/Pedestrian applications
- Captive bolt device, that opens with a ¼ turn

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

SIMPLE AND WORRY FREE PROTECTION



DIMENSIONS



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022624

TASK NAME

WILC-FR05

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
 LACROSSE, WI, USA

SHEET SCALE
 N.T.S.

SHEET TITLE
DETAILS

GRID NUMBER

SHEET NUMBER
 D-3

NOTES:

1. CALL FOR LOCATES AT LEAST 72 HOURS IN ADVANCE OF ANY CONSTRUCTION FOR MARKINGS.
2. FOR LABEL AND TAG INFORMATION SEE DRAWING OSP 1B.
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 BELD DOWN TO ALLOW CONCRETE TO FLOW DOWN AND AROUND THE LIFTING LUGS/BOLTS WHICH WILL SERVE AS DOWELS INTO THE FINISHED CONCRETE SLAB.

ADA REQUIREMENTS:

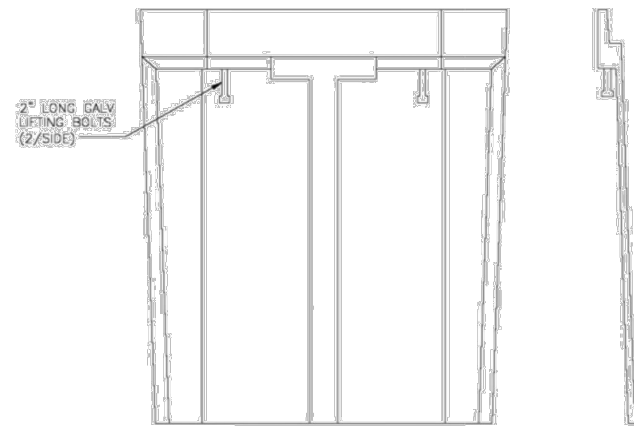
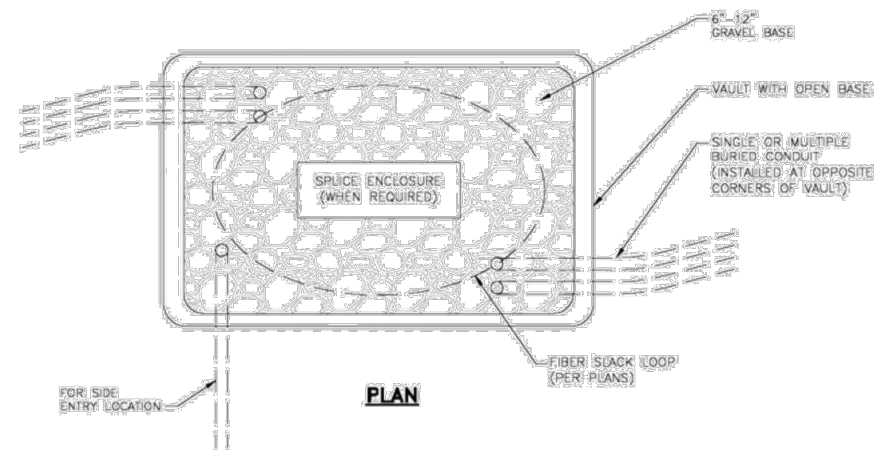
SURFACE LEVEL CRITERIA: NO HEIGHT DIFFERENTIALS WITH A RISE GREATER THAN 1/4" IN HEIGHT. EXCEPTIONS: A HEIGHT DIFFERENTIAL BETWEEN 1/4" AND 1/2" IS ACCEPTABLE IF IT IS BEVELED AT A 2:1 SLOPE, OR A HEIGHT DIFFERENTIAL GREATER THAN 1/2" IS ACCEPTABLE IF IT IS RAMPED WITH A SLOPE OF 8.33% (1V:12H) OR LESS.

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

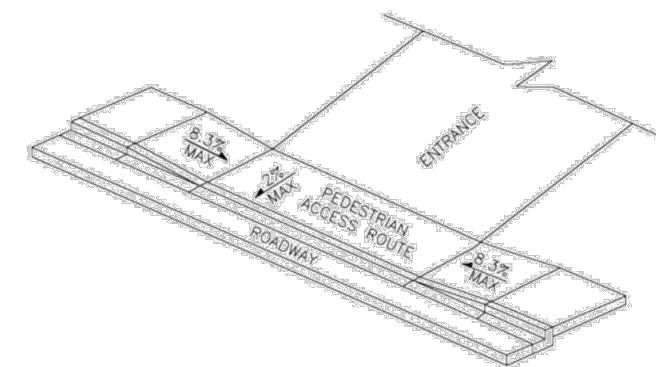
LIFT HOLES FOR UTILITY COVERS SHALL NOT HAVE AN OPENING GREATER THAN 1/2". PLUGGING OF HOLES GREATER THAN 1/2" WITH A MATERIAL APPROVED BY THE ENGINEER IS ACCEPTABLE AS LONG AS IT IS FLUSH WITH THE COVER SURFACE.

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

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



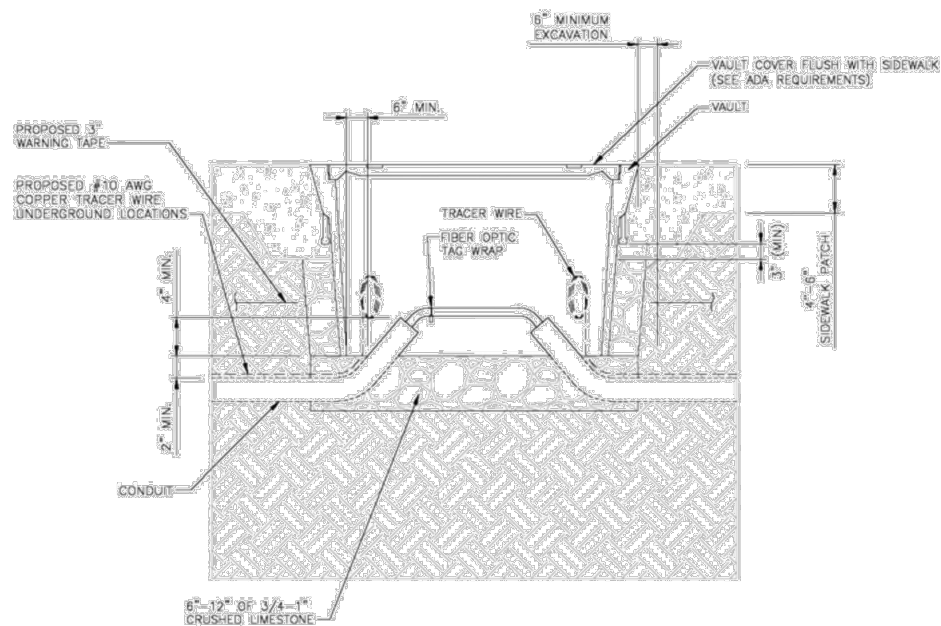
SIDE VIEW



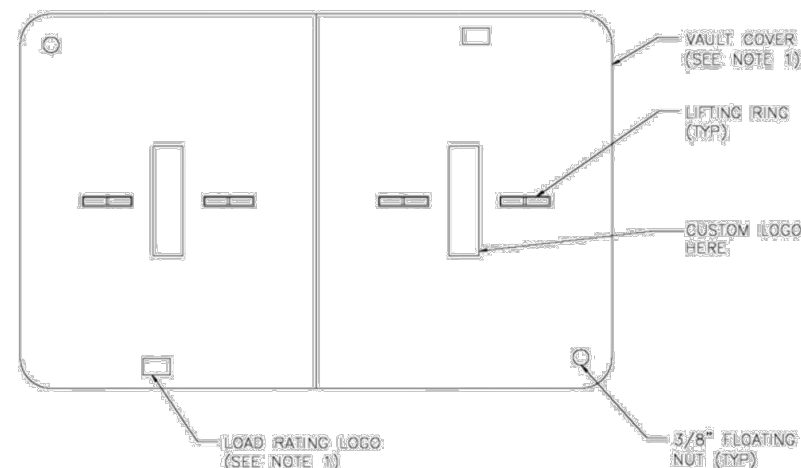
PEDESTRIAN ACCESS ROUTE

NOTE:

1. ENCLOSURES, BOXES AND COVERS ARE REQUIRED TO MEET OR EXCEED ALL TESTS PROVISIONS OF THE MOST CURRENT ANS/SC17 77-2007 "SPECIFICATIONS FOR UNDERGROUND INTEGRITY" FOR TIER 15 OR BETTER.



VAULT W/ BOTTOM ENTRY



VAULT LID

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TASK NAME
WILC-FR05

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

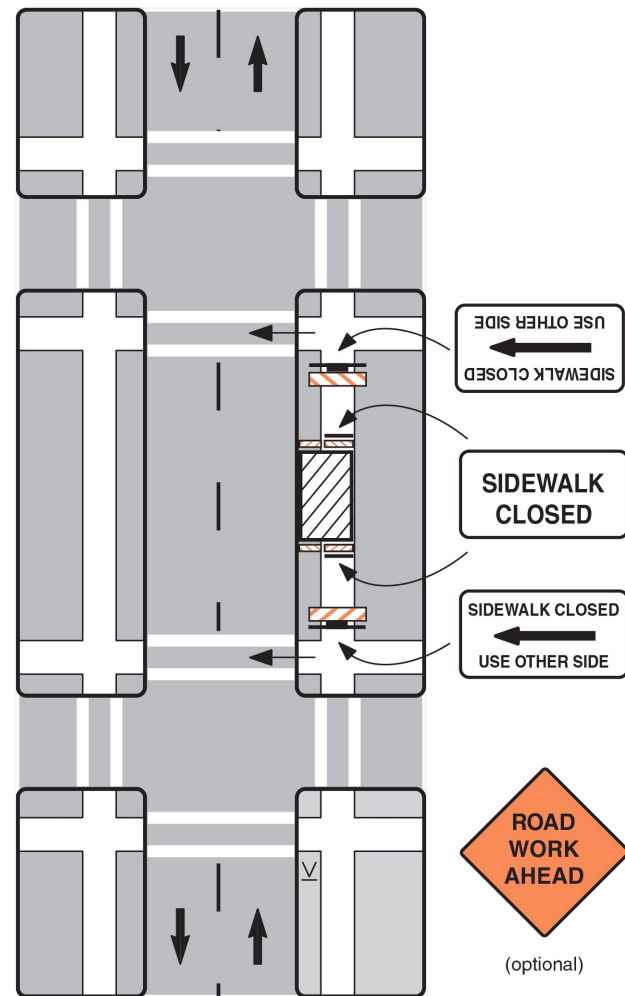
SHEET SCALE
N.T.S.

SHEET TITLE
DETAILS

GRID NUMBER

SHEET NUMBER
D-4

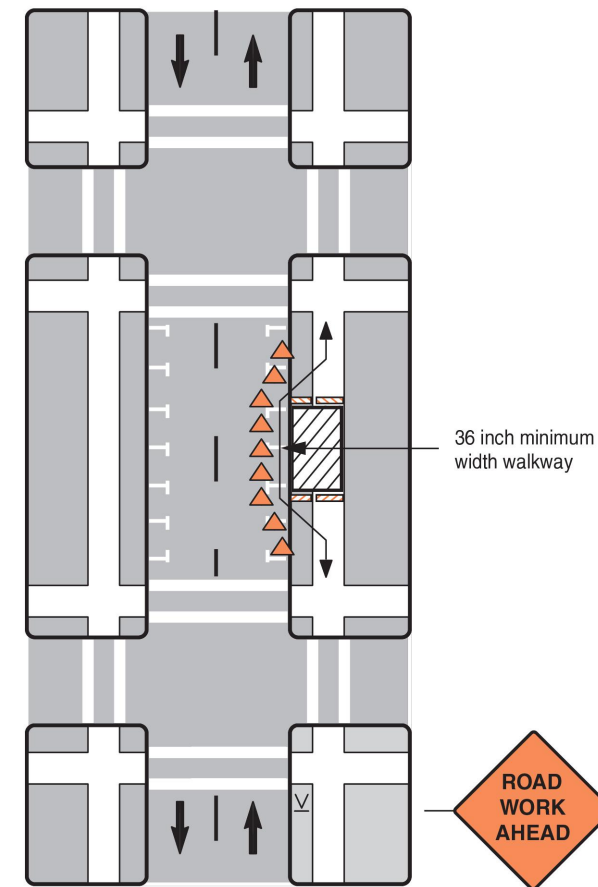
**Sidewalk Closure
(Pedestrian Detour)**



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).

REV	DATE	DESCRIPTION	BY
A	07/24/24	ISSUED FOR REVIEW	HT

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	WILC-FR05
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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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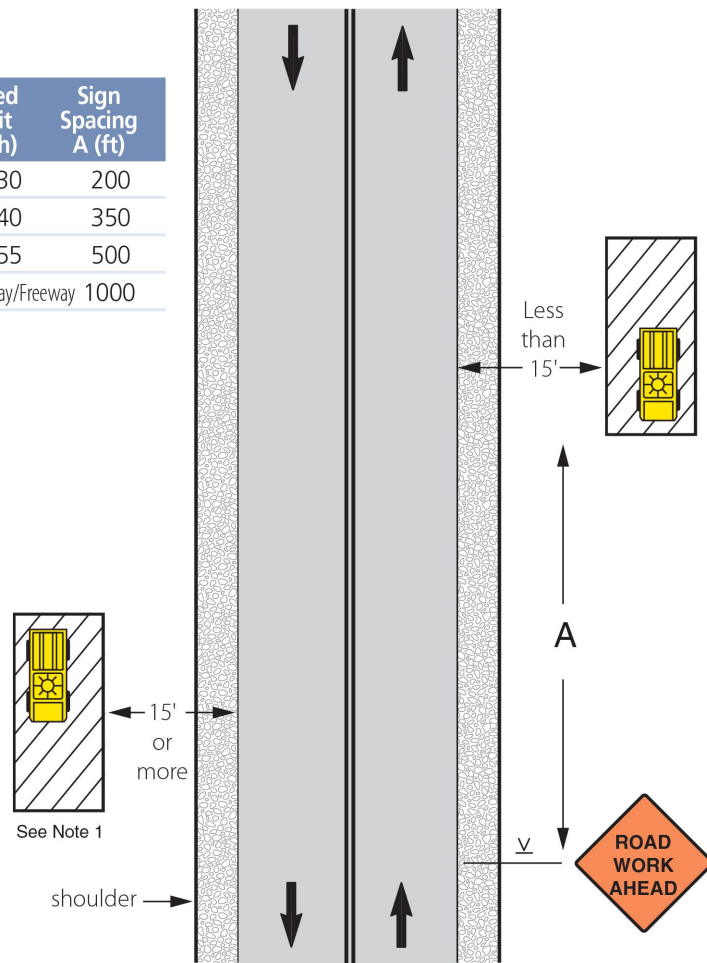
SHEET TITLE	TRAFFIC CONTROL STANDARD DETAILS
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GRID NUMBER	
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SHEET NUMBER	TCP-1
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Work Beyond the Shoulder

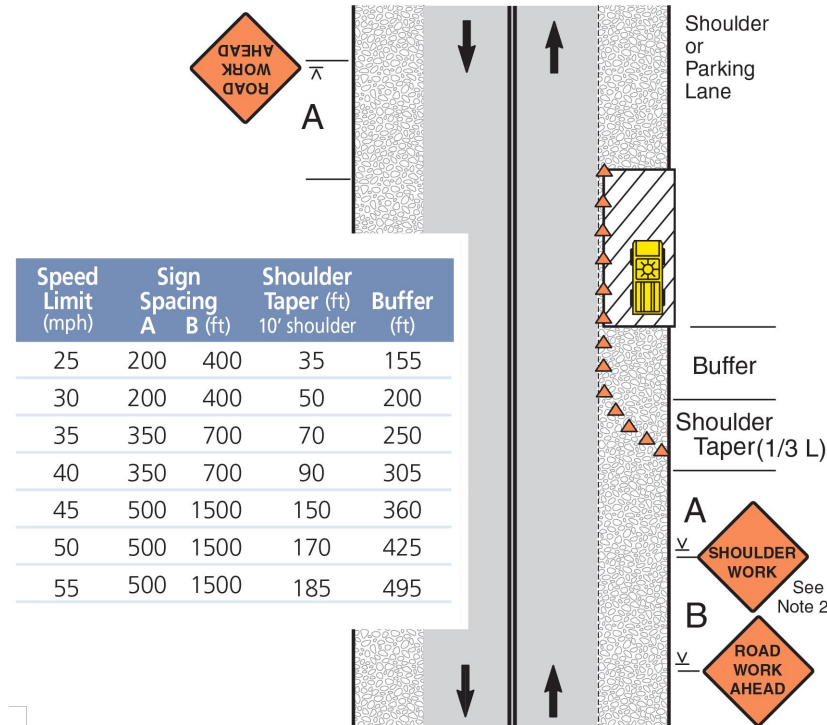
Speed Limit (mph)	Sign Spacing A (ft)
25-30	200
35-40	350
45-55	500
Expressway/Freeway	1000



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

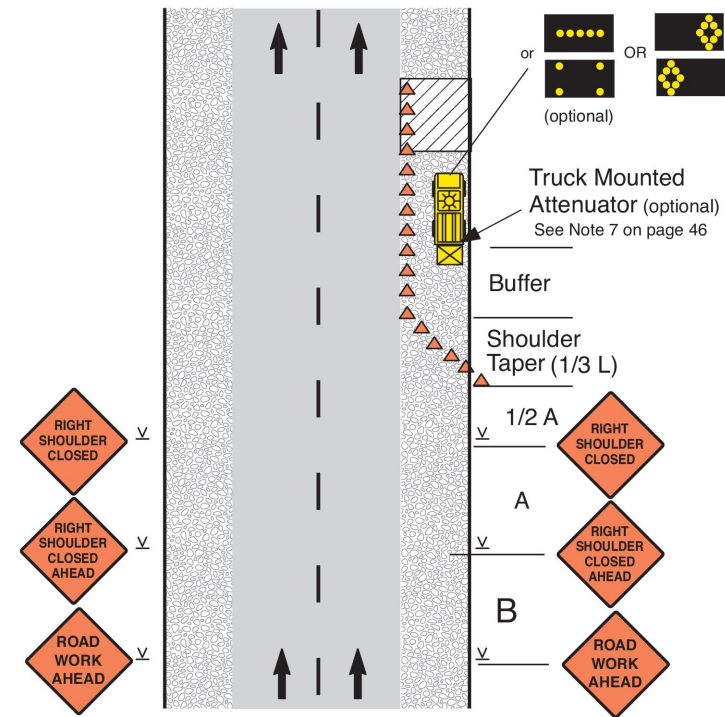


Speed Limit (mph)	Sign Spacing A (ft)	Sign Spacing B (ft)	Shoulder Taper (ft) 10' shoulder	Buffer (ft)
25	200	400	35	155
30	200	400	50	200
35	350	700	70	250
40	350	700	90	305
45	500	1500	150	360
50	500	1500	170	425
55	500	1500	185	495

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
WILC-FR05

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

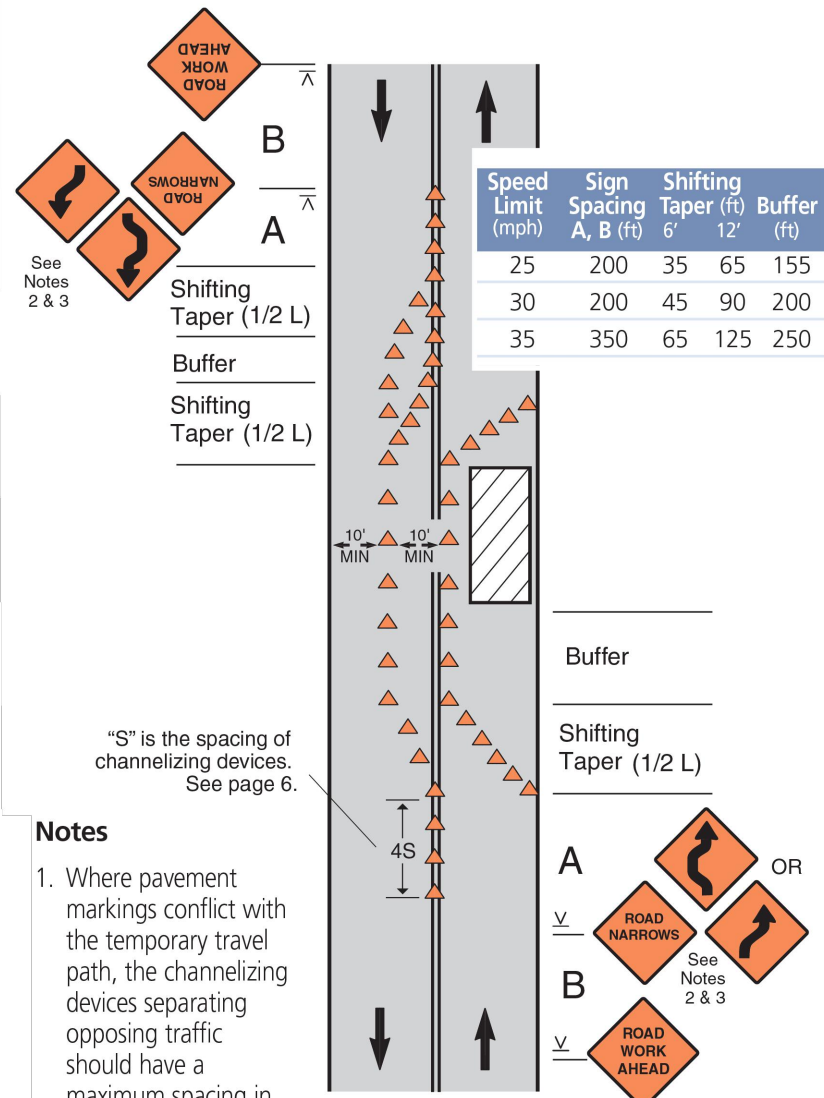
SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER
TCP-2

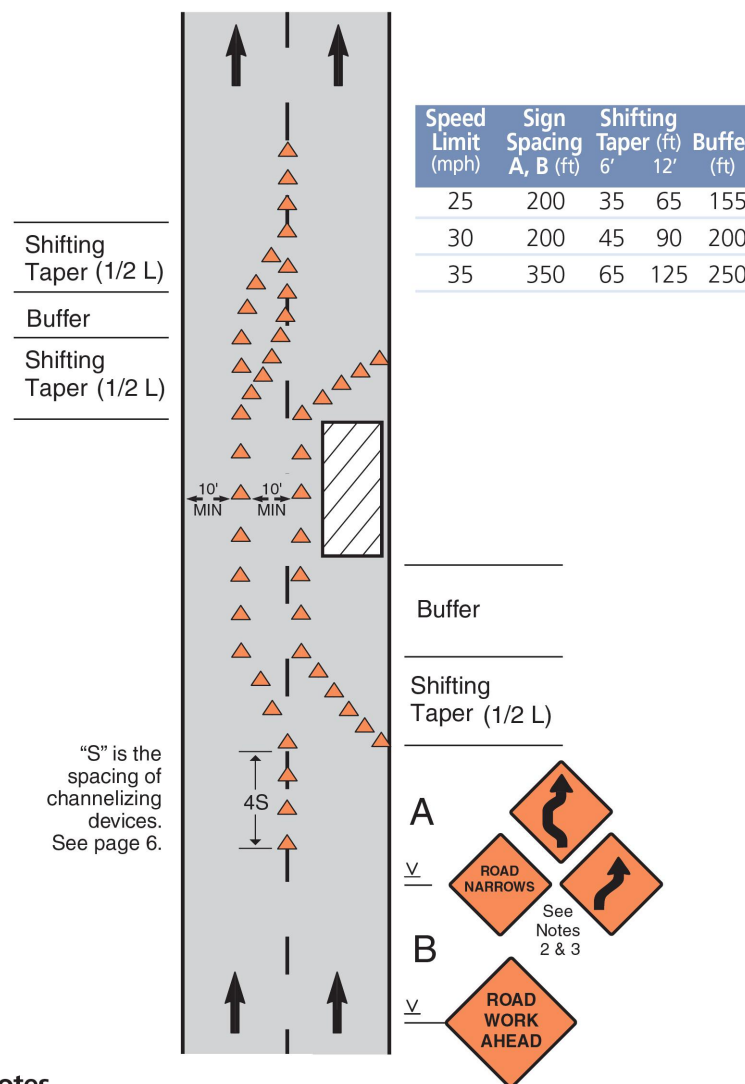
Work in Travel Lane
(Maintaining Two-Way Traffic, 35 mph or Less)



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.

REV	DATE	DESCRIPTION	BY
A	07/24/24	ISSUED FOR REVIEW	HT

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TASK NAME
WILC-FR05

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

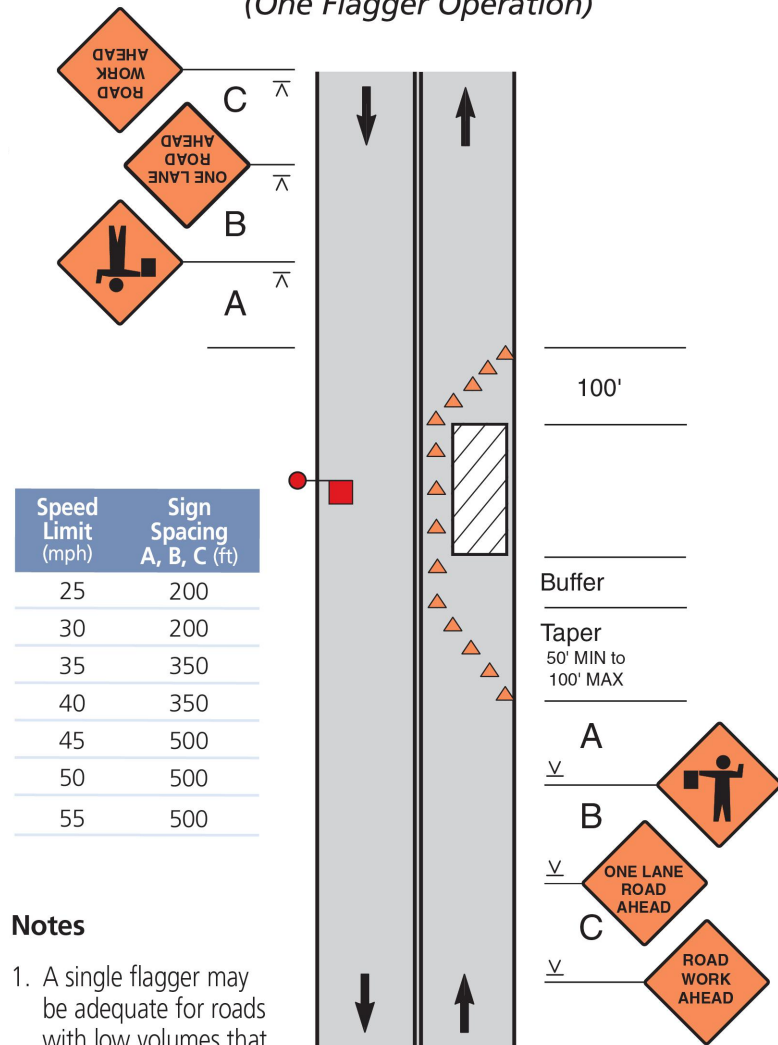
SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER
TCP-3

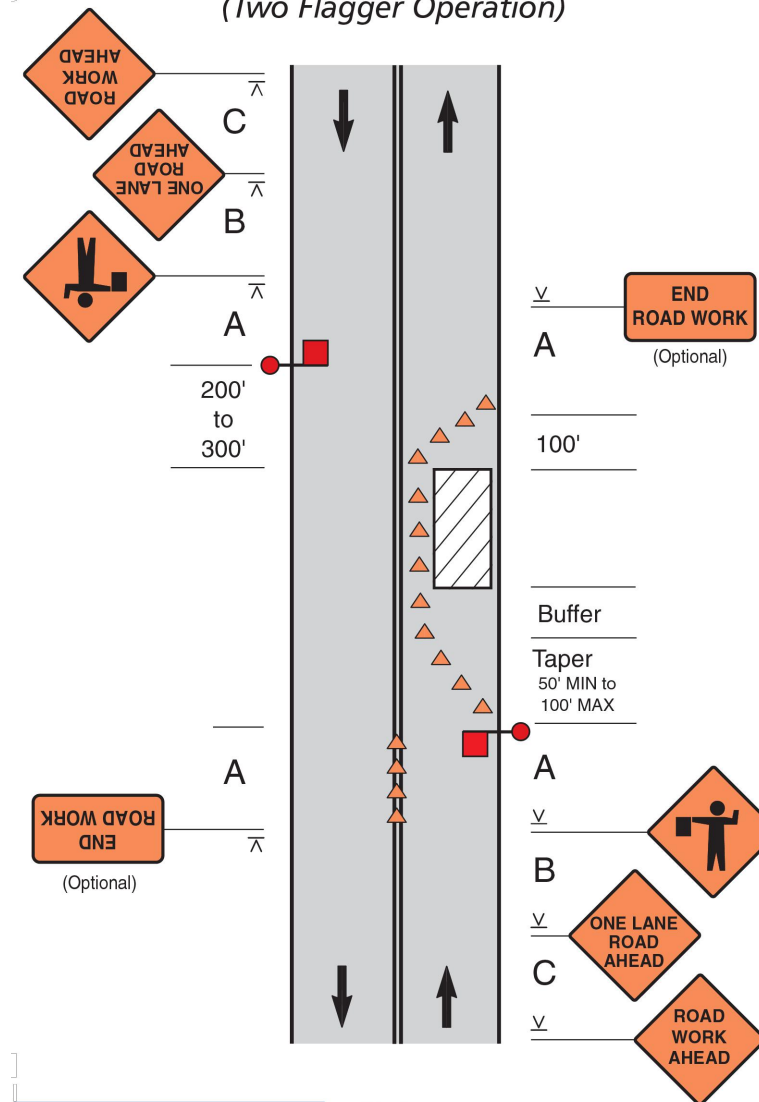
Lane Closure on a Two-Lane Road with Low-Volume (One Flagger Operation)



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)



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.

REV	DATE	DESCRIPTION	BY
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TASK NAME

WILC-FR05

TASK DESCRIPTION

FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA

LACROSSE, WI, USA

SHEET SCALE

N.T.S.

SHEET TITLE

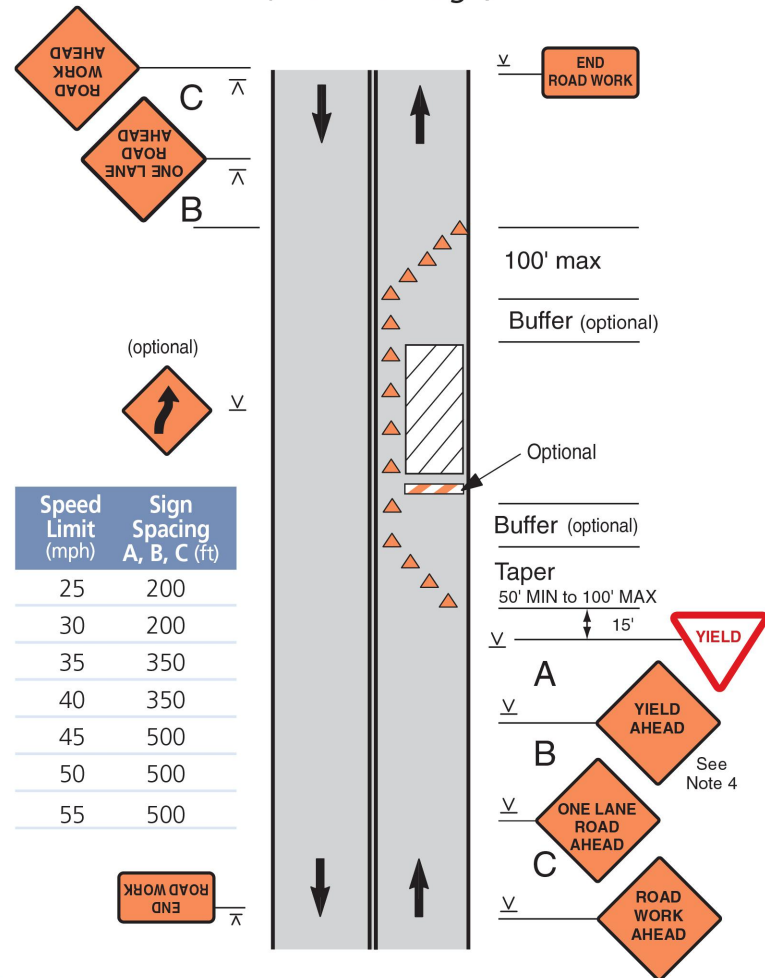
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER

TCP-4

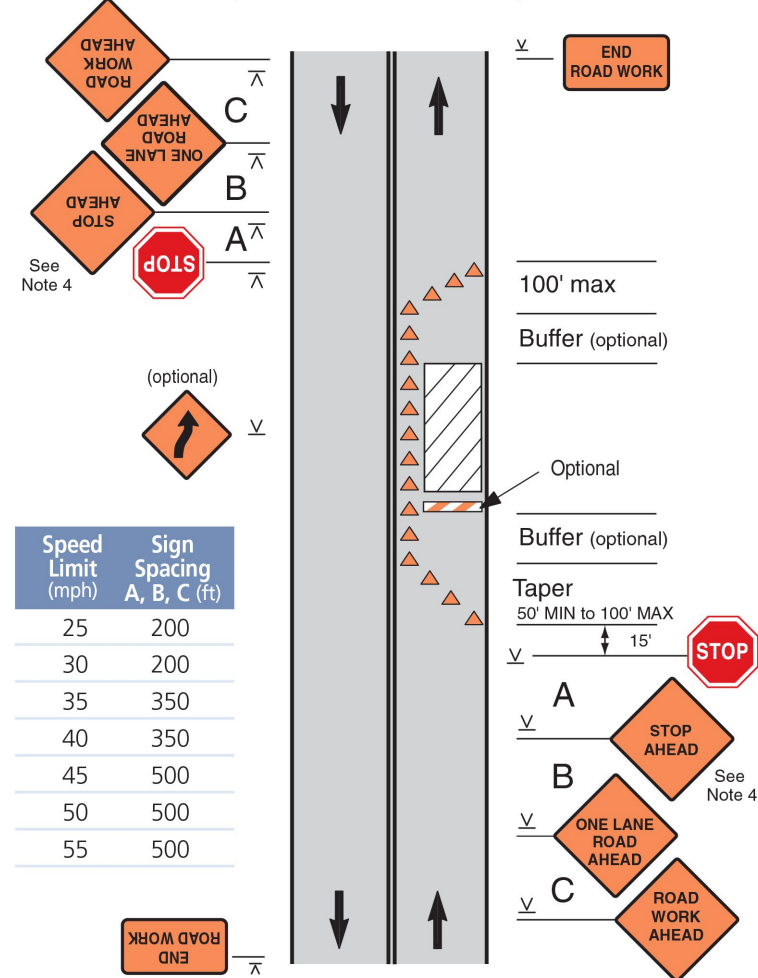
Lane Closure on a Two-Lane Local Road with Low Volume (with Yield Sign)



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.

REV	DATE	DESCRIPTION	BY
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TASK NAME
WILC-FR05

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

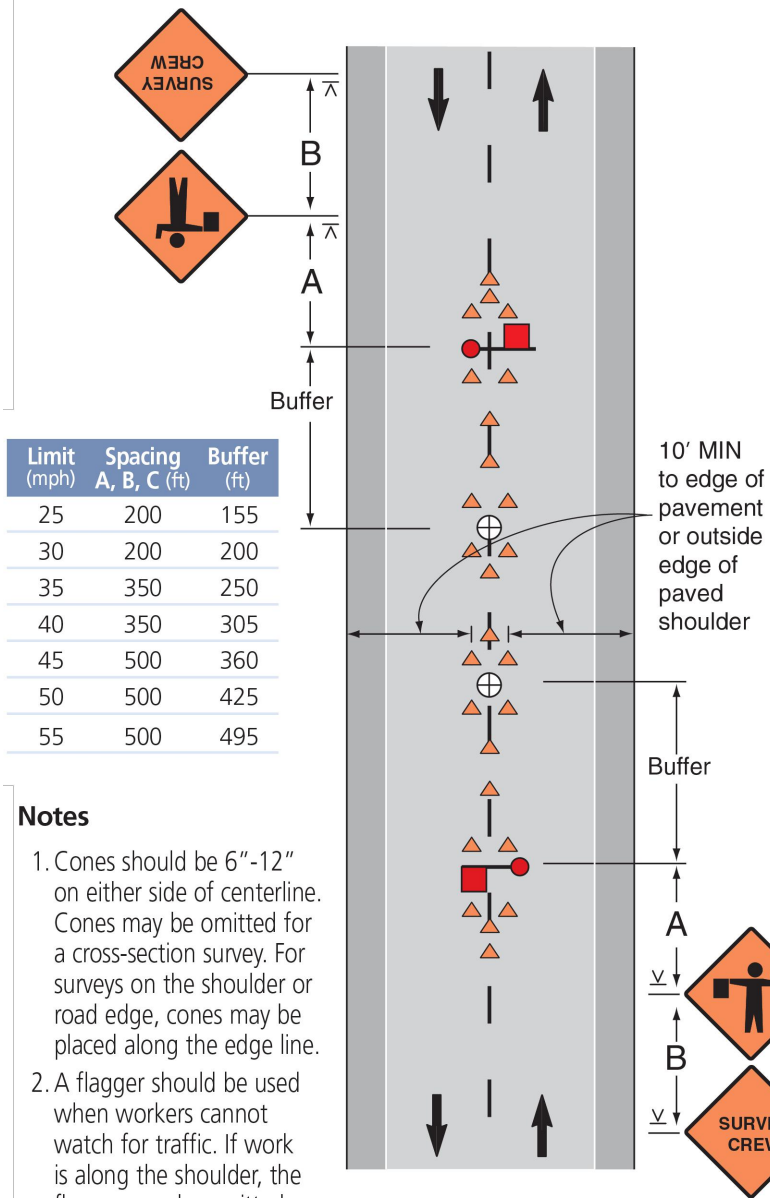
SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER
TCP-5

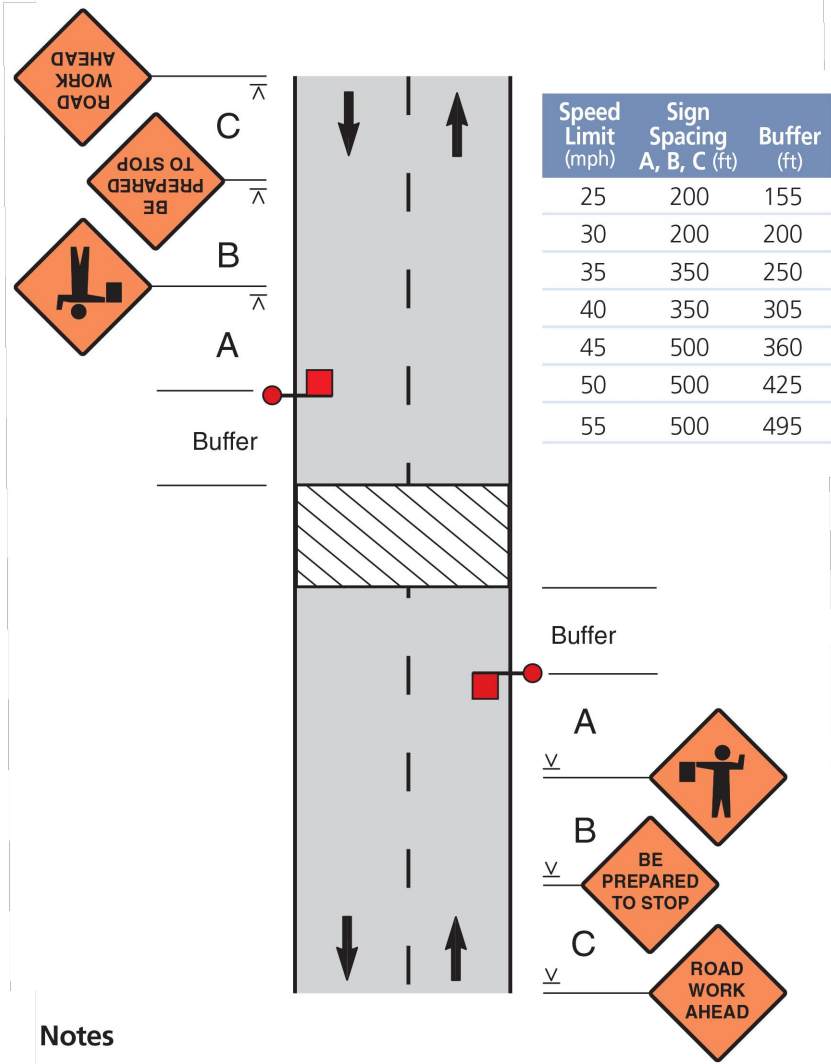
Surveying Along Centerline of Road with Low Volume



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.

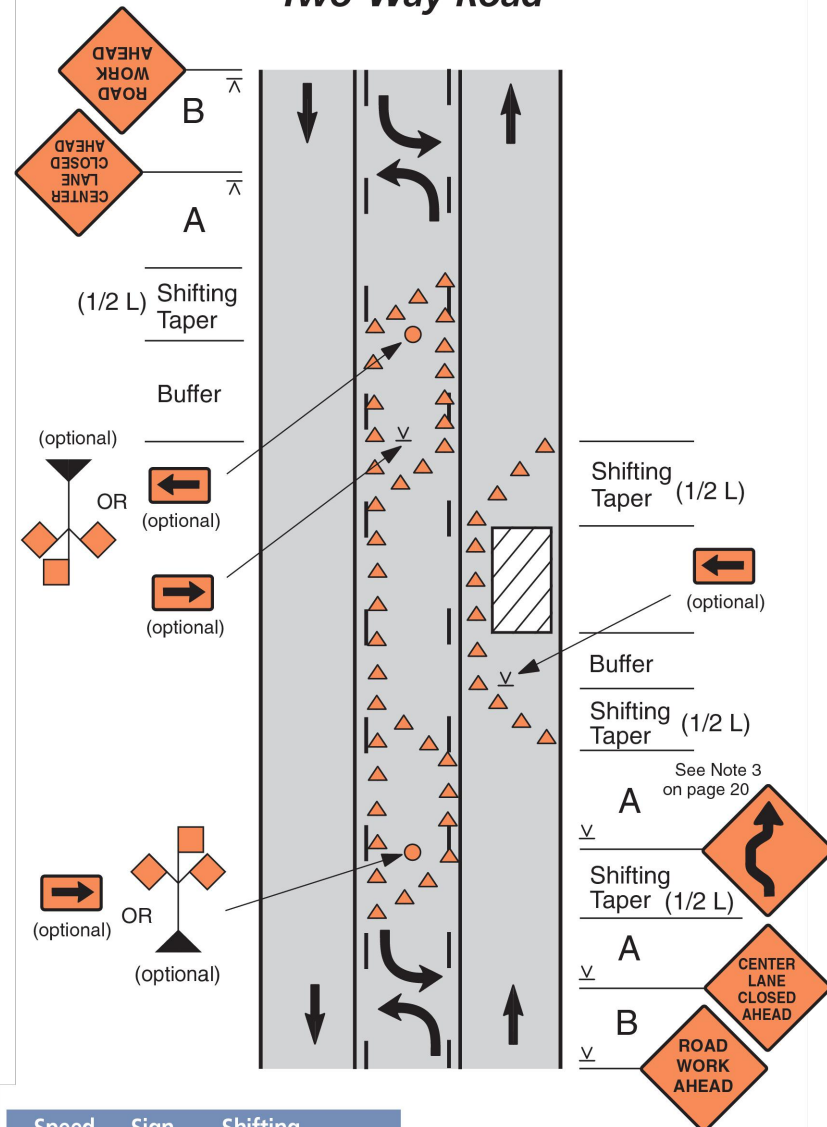
Temporary Road Closure (Daytime Only – 20 Minutes Maximum)



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. 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.

Lane Shift on a Three-Lane, Two-Way Road



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.

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TASK NAME
WILC-FR05

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

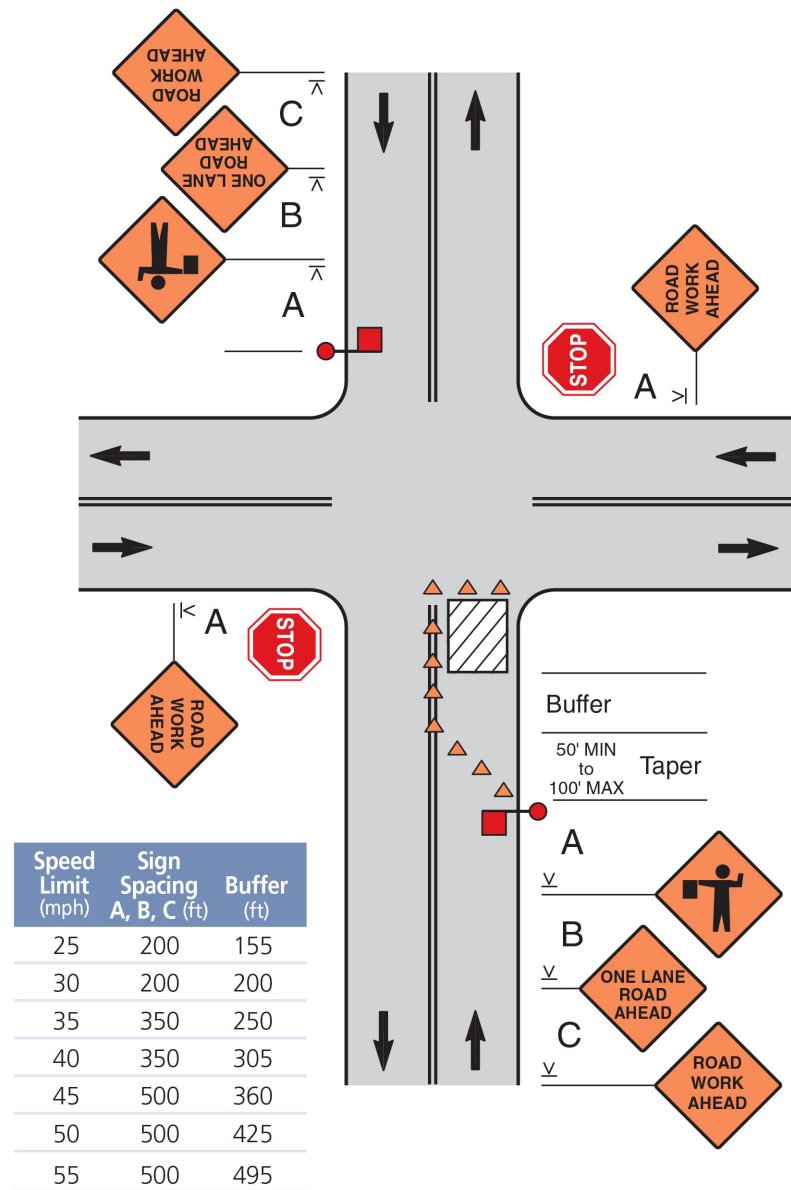
SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER
TCP-6

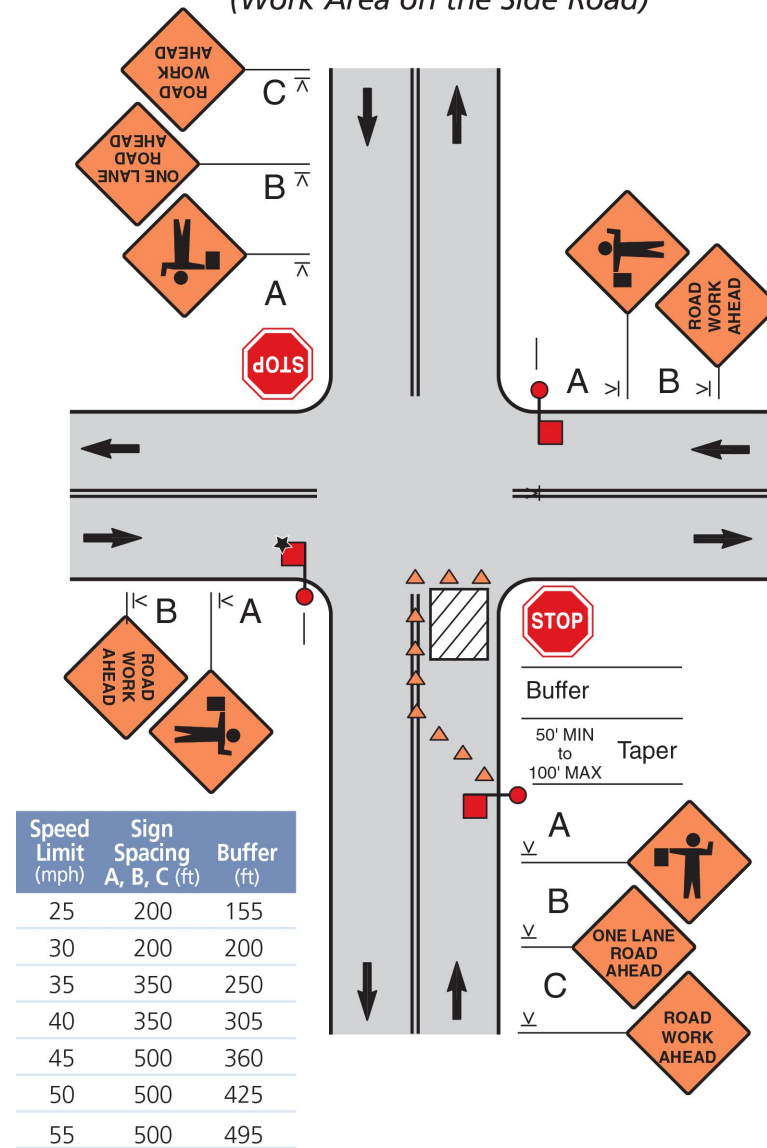
Lane Closure in Advance of an Intersection
(Work Area on the Through Road)



Notes

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

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



Notes

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

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TASK NAME
WILC-FR05

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

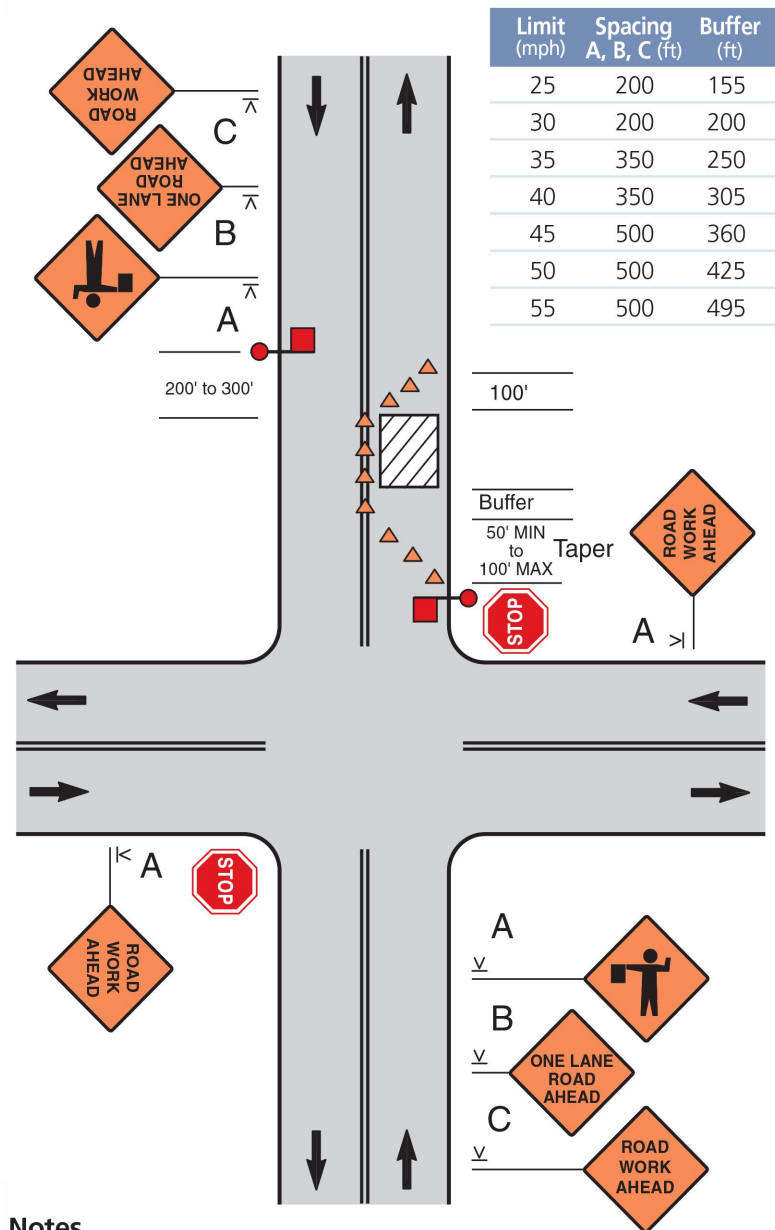
SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

GRID NUMBER

SHEET NUMBER
TCP-7

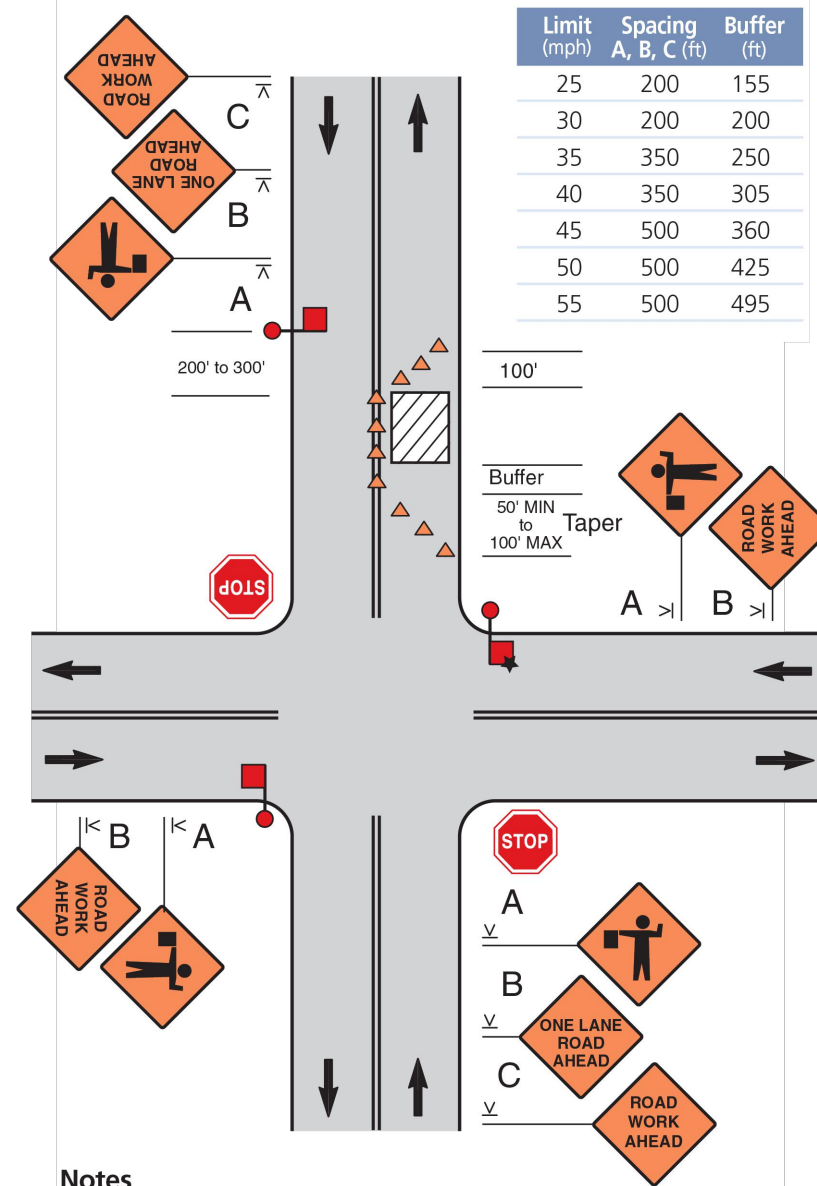
Lane Closure Beyond an Intersection (Work Area on the Through Road)



Notes

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

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



Notes

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

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TASK NAME

WILC-FR05

TASK DESCRIPTION

FIBER OPTIC CONDUIT
PLACEMENT

PROJECT AREA

LACROSSE, WI, USA

SHEET SCALE

N.T.S.

SHEET TITLE

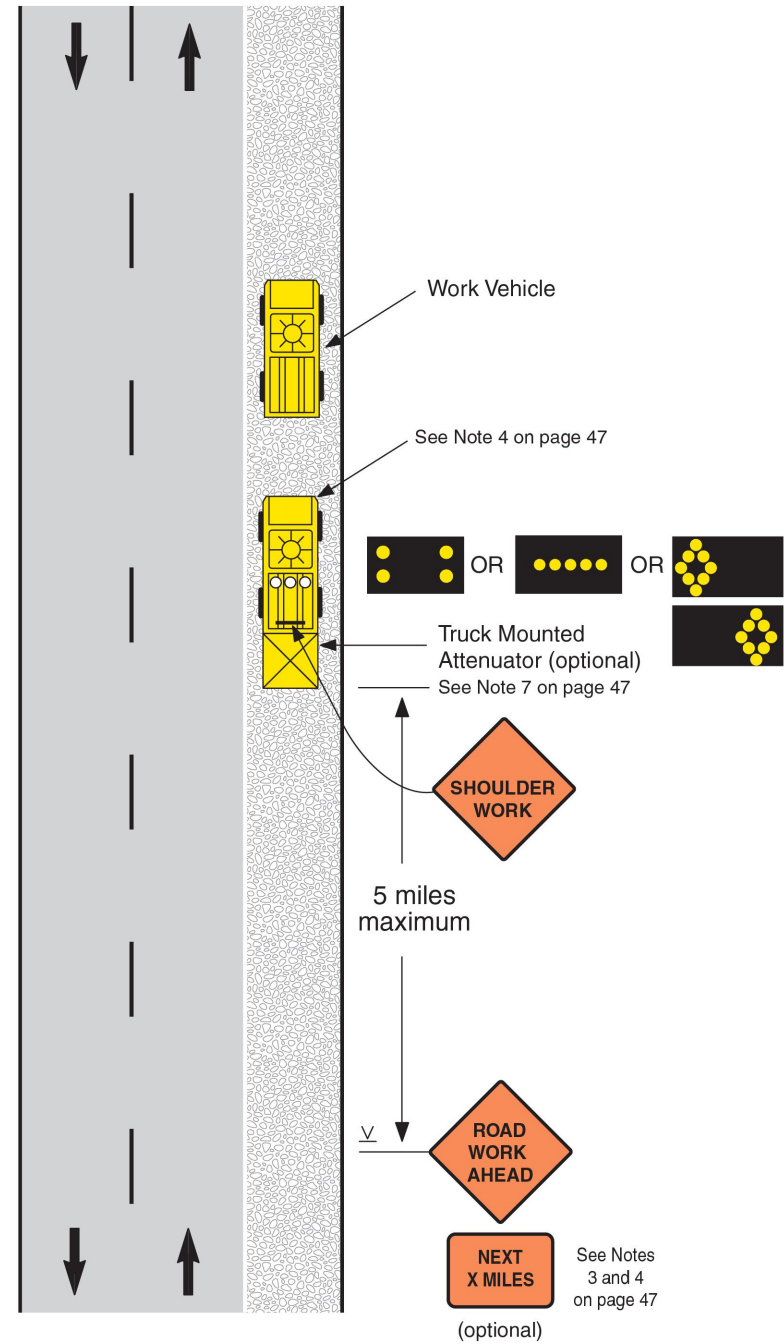
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STANDARD DETAILS

GRID NUMBER

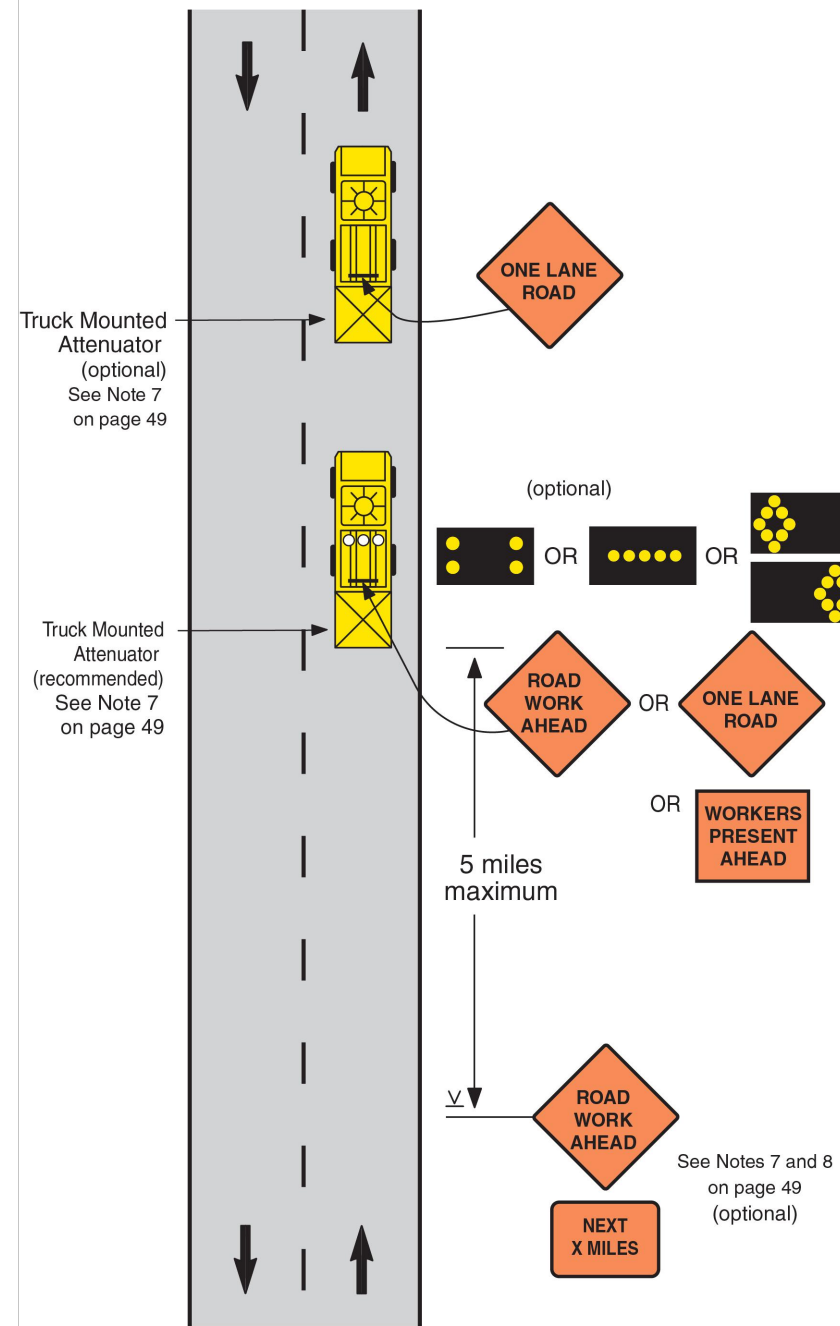
SHEET NUMBER

TCP-8

Mobile Operation on the Shoulder



Mobile Operation on a Two-Lane Road



REV	DATE	DESCRIPTION	BY
A	07/24/24	ISSUED FOR REVIEW	HT

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TASK NAME

WILC-FR05

TASK DESCRIPTION
FIBER OPTIC CONDUIT PLACEMENT

PROJECT AREA
LACROSSE, WI, USA

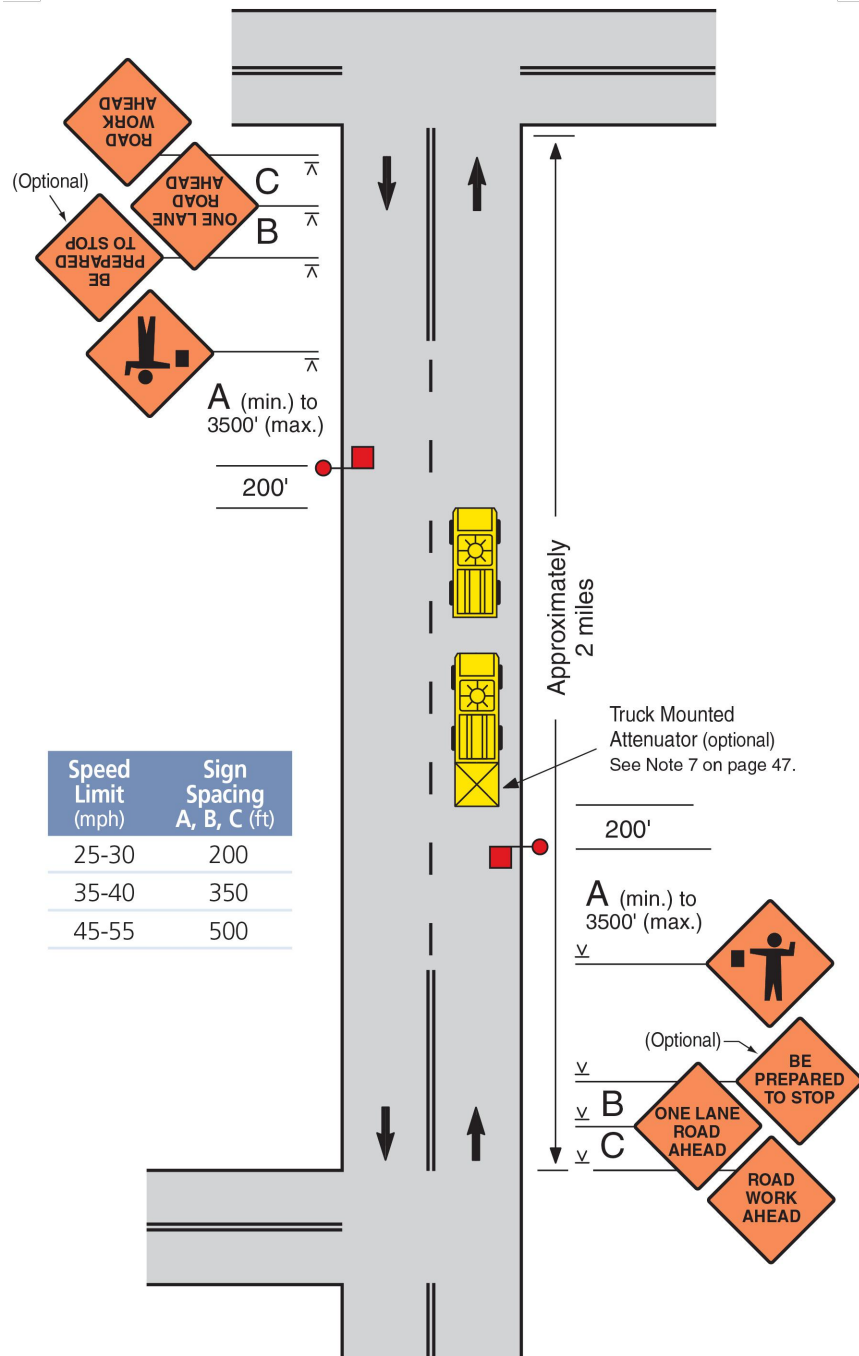
SHEET SCALE
N.T.S.

SHEET TITLE
TRAFFIC CONTROL STANDARD DETAILS

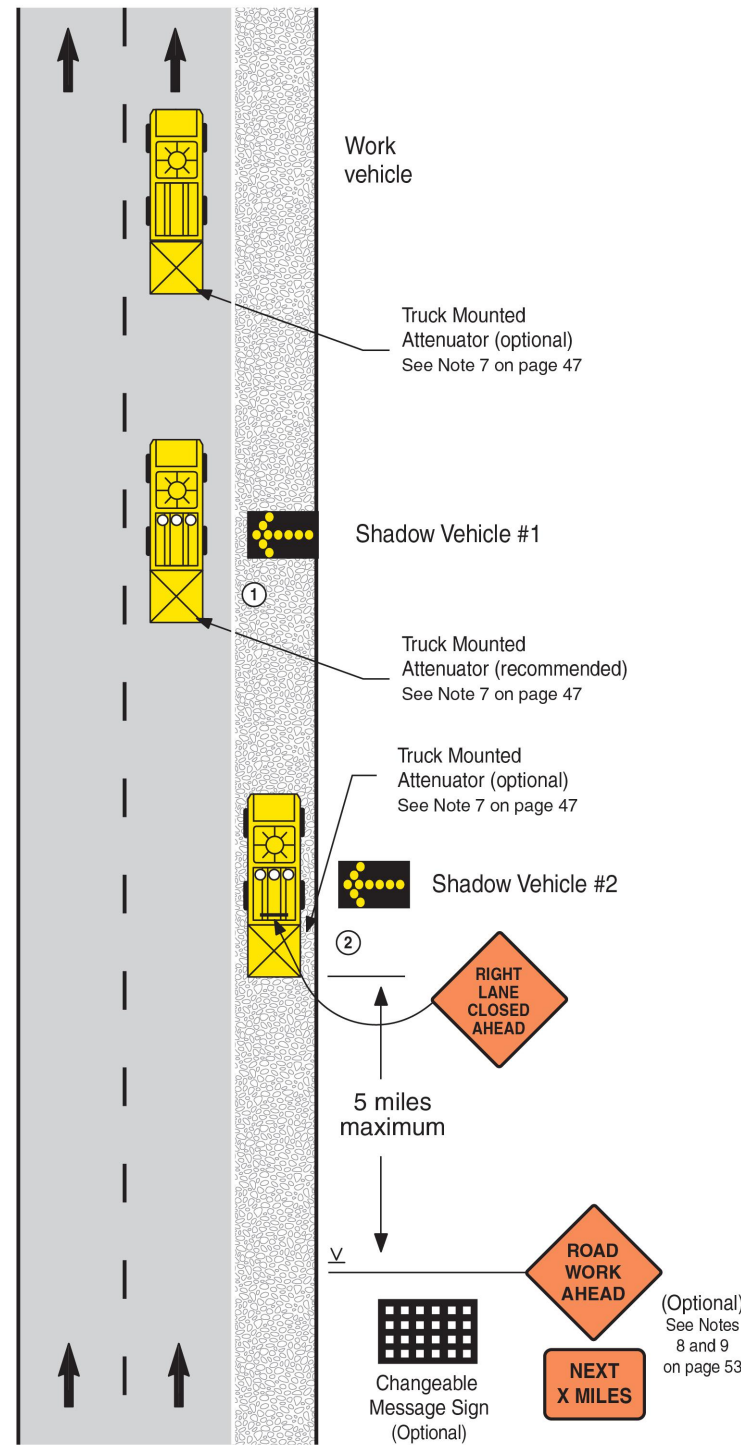
GRID NUMBER

SHEET NUMBER
TCP-9

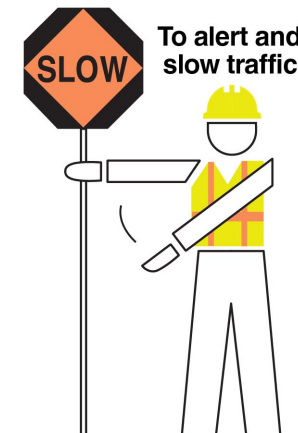
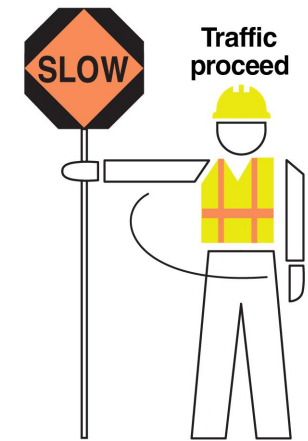
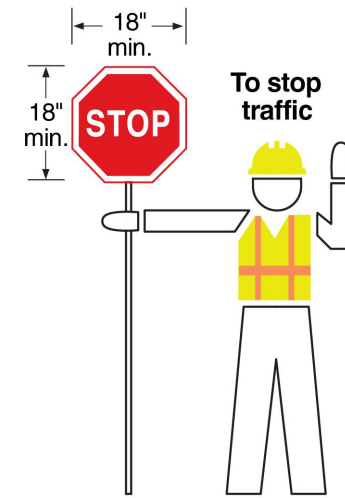
Mobile Operation on a Two-Lane Road Using Flaggers (Traveling at less than 3 mph)



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
WILC-FR05

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



City of La Crosse, Wisconsin

City Hall
400 La Crosse Street
La Crosse, WI 54601

Text File

File Number: 24-1609

Agenda Date: 12/16/2024

Version: 1

Status: Agenda Ready

In Control: Board of Public Works

File Type: General Item

Elsen, Nikki

From: Elsen@cityoflacrosse.org
Subject: FW: Expansion of pay to park hours for the ramps
Attachments: Ramp Occupancy eval.xlsx

From: Melby, Jason
Sent: Wednesday, December 4, 2024 1:24 PM
To: Kudron, Shawn <Kudrons@cityoflacrosse.org>; Reynolds, Mitch <reynoldsm@cityoflacrosse.org>
Cc: Pederson, Joseph <pedersonj@cityoflacrosse.org>; Kloss, Daniel <klossd@cityoflacrosse.org>
Subject: Expansion of pay to park hours for the ramps

Chief and Mayor Reynolds –Part of the efforts of the Parking Utility has been to identify potential expansion of revenue to help close the gap on negative annual budget balances for the Utility. To do this, we start with the philosophy it should be the users of the utility that fund the utility; thus, we have looked for situations where there are users of the utility that are underrepresented in revenue production. One area identified was weekend and evening users of the ramps. To evaluate the possible revenue production this could represent; the utility completed an occupancy study of the ramps in August and September of this year and evaluated the time frames between 6p & 10p hourly to include Saturday.

We compiled all the information (see the attached spread sheet). As we evaluated the merits of expanding the pay to park hours, we determined that conservatively (see notation below) the Parking Utility could generate additional revenue in the area of \$225,000.00 annually. This estimate is based on extending the \$1/hr pay to park from:

- 6a – 6p Monday through Friday

And move to

- 6a – 10p Monday through Friday and add all day Saturday 6a – 10p

***Note: our estimate is based on the assumption that 50% of the vehicles in our counts were permit holders. We believe that this estimate of permit holders is high, thus feeling our estimated revenue is conservative.

It is staff's recommendation to implement the expanded \$1/hr pay to park times for all City parking ramps as described above and have this added as an agenda item to the Board of Public Works for approval.



Jason Melby
Assistant Chief of Police
La Crosse Police Department
400 La Crosse Street, La Crosse, WI 54601
Phone: 608-789-7207
Fax: 608-789-7285
www.cityoflacrosse.org/police

Pine St - 606 spots, 394 permits
Evening occupancy numbers

		5 to 6	6 to 7	7 to 8	8 to 9	9 to 10
7-Aug	Wed	40	26	22	19	19
8-Aug	Thurs	43	60	59	42	17
9-Aug	Fri	45	45	45	43	37
10-Aug	Sat	107	100	110	112	106
12-Aug	Mon	62	24	17	15	16
13-Aug	Tue	65	27	21	19	18
14-Aug	Wed	46	32	23	19	17
15-Aug	Thurs	61	61	39	24	22
16-Aug	Fri	53	66	96	112	110
17-Aug	Sat	32	34	47	63	64
19-Aug	Mon	40	34	26	28	27
20-Aug	Tue	41	28	23	20	22
21-Aug	Wed	42	31	25	23	23

September		5 to 6	6 to 7	7 to 8	8 to 9	9 to 10
9-Sep	Mon	116	101	91	90	91
10-Sep	Tue	115	97	90	90	90
11-Sep	Wed	114	91	92	87	88
12-Sep	Thurs	109	120	112	100	85
13-Sep	Fri	80	78	72	70	71
14-Sep	Sat	61	61	66	64	65
16-Sep	Mon	102	95	89	87	90
17-Sep	Tue	105	93	89	86	83
18-Sep	Wed	102	100	90	86	85
19-Sep	Thurs	94	91	87	83	84
20-Sep	Fri	62	58	54	56	60
21-Sep	Sat	48	58	63	66	62

August Evening Occupancy Rates

		5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	Average
7-Aug	Wed	7%	4%	4%	3%	3%	4%
8-Aug	Thurs	7%	10%	10%	7%	3%	7%
9-Aug	Fri	7%	7%	7%	7%	6%	7%
10-Aug	Sat	18%	17%	18%	18%	17%	18%
12-Aug	Mon	10%	4%	3%	2%	3%	4%
13-Aug	Tue	11%	4%	3%	3%	3%	5%
14-Aug	Wed	8%	5%	4%	3%	3%	5%
15-Aug	Thurs	10%	10%	6%	4%	4%	7%
16-Aug	Fri	9%	11%	16%	18%	18%	14%
17-Aug	Sat	5%	6%	8%	10%	11%	8%
19-Aug	Mon	7%	6%	4%	5%	4%	5%
20-Aug	Tue	7%	5%	4%	3%	4%	4%
21-Aug	Wed	7%	5%	4%	4%	4%	5%
Average		9%	7%	7%	7%	6%	

September Evening Occupancy Rates

		5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	Average
9-Sep	Mon	19%	17%	15%	15%	15%	16%
10-Sep	Tue	19%	16%	15%	15%	15%	16%
11-Sep	Wed	19%	15%	15%	14%	15%	16%
12-Sep	Thurs	18%	20%	18%	17%	14%	17%
13-Sep	Fri	13%	13%	12%	12%	12%	12%
14-Sep	Sat	10%	10%	11%	11%	11%	10%
16-Sep	Mon	17%	16%	15%	14%	15%	15%
17-Sep	Tue	17%	15%	15%	14%	14%	15%
18-Sep	Wed	17%	17%	15%	14%	14%	15%
19-Sep	Thurs	16%	15%	14%	14%	14%	14%
20-Sep	Fri	10%	10%	9%	9%	10%	10%
21-Sep	Sat	8%	0%	10%	11%	10%	8%
Average		15%	14%	14%	13%	13%	

Main St. - 395 spots, 389 Permits
Evening occupancy numbers

		5 to 6	6 to 7	7 to 8	8 to 9	9 to 10
7-Aug	Wed	111	86	83	84	73
8-Aug	Thurs	120	124	132	82	79
9-Aug	Fri	107	95	103	102	92
10-Aug	Sat	147	142	130	139	128
12-Aug	Mon	80	53	47	45	43
13-Aug	Tue	109	70	55	54	45
14-Aug	Wed	108	103	89	70	49
15-Aug	Thurs	141	134	132	103	85
16-Aug	Fri	136	193	207	208	166
17-Aug	Sat	114	125	106	96	102
19-Aug	Mon	99	77	70	58	41
20-Aug	Tue	82	70	59	55	44
21-Aug	Wed	120	108	86	70	62

September		5 to 6	6 to 7	7 to 8	8 to 9	9 to 10
9-Sep	Mon	107	74	66	71	57
10-Sep	Tue	109	77	59	51	49
11-Sep	Wed	112	68	71	73	61
12-Sep	Thurs	125	134	130	94	68
13-Sep	Fri	91	102	108	100	94
14-Sep	Sat	151	162	153	124	111
16-Sep	Mon	89	59	61	57	48
17-Sep	Tue	93	71	65	51	51
18-Sep	Wed	94	76	67	60	58
19-Sep	Thurs	142	115	105	83	79
20-Sep	Fri	94	93	116	114	102
21-Sep	Sat	94	119	133	121	117

August Evening Occupancy Rates

		5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	Average
7-Aug	Wed	28%	22%	21%	21%	18%	22%
8-Aug	Thurs	30%	31%	33%	21%	20%	27%
9-Aug	Fri	27%	24%	26%	26%	23%	25%
10-Aug	Sat	37%	36%	33%	35%	32%	35%
12-Aug	Mon	20%	13%	12%	11%	11%	14%
13-Aug	Tue	28%	18%	14%	14%	11%	17%
14-Aug	Wed	27%	26%	23%	18%	12%	21%
15-Aug	Thurs	36%	34%	33%	26%	22%	30%
16-Aug	Fri	34%	49%	52%	53%	42%	46%
17-Aug	Sat	29%	32%	27%	24%	26%	27%
19-Aug	Mon	25%	19%	18%	15%	10%	17%
20-Aug	Tue	21%	18%	15%	14%	11%	16%
21-Aug	Wed	30%	27%	22%	18%	16%	23%
Average		29%	27%	25%	23%	20%	

September Evening Occupancy Rates

		5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	Average
9-Sep	Mon	27%	19%	17%	18%	14%	19%
10-Sep	Tue	28%	19%	15%	13%	12%	17%
11-Sep	Wed	28%	17%	18%	18%	15%	19%
12-Sep	Thurs	32%	34%	33%	24%	17%	28%
13-Sep	Fri	23%	26%	27%	25%	24%	25%
14-Sep	Sat	38%	41%	39%	31%	28%	35%
16-Sep	Mon	23%	15%	15%	14%	12%	16%
17-Sep	Tue	24%	18%	16%	13%	13%	17%
18-Sep	Wed	24%	19%	17%	15%	15%	18%
19-Sep	Thurs	36%	29%	27%	21%	20%	27%
20-Sep	Fri	24%	24%	29%	29%	26%	26%
21-Sep	Sat	24%	30%	34%	31%	30%	30%
Average		27%	24%	24%	21%	19%	

La Crosse Center - 893 spots, 116 Permits
Evening occupancy numbers

		5 to 6	6 to 7	7 to 8	8 to 9	9 to 10
7-Aug	Wed	81	77	90	94	98
8-Aug	Thurs	96	124	136	123	124
9-Aug	Fri	106	150	164	166	169
10-Aug	Sat	202	204	176	176	179
12-Aug	Mon	47	52	54	51	47
13-Aug	Tue	64	66	76	73	72
14-Aug	Wed	85	94	112	105	82
15-Aug	Thurs	79	112	120	97	86
16-Aug	Fri	218	258	259	224	207
17-Aug	Sat	332	348	328	295	277
19-Aug	Mon	78	83	83	61	56
20-Aug	Tue	94	98	110	92	80
21-Aug	Wed	127	122	131	179	88

September		5 to 6	6 to 7	7 to 8	8 to 9	9 to 10
9-Sep	Mon	66	71	70	57	58
10-Sep	Tue	79	92	89	83	69
11-Sep	Wed	96	92	110	103	93
12-Sep	Thurs	91	119	110	111	90
13-Sep	Fri	104	148	186	185	157
14-Sep	Sat	202	220	258	235	217
16-Sep	Mon	76	80	65	55	58
17-Sep	Tue	72	68	66	60	55
18-Sep	Wed	90	117	116	107	77
19-Sep	Thurs	104	113	103	95	76
20-Sep	Fri	90	120	137	119	108
21-Sep	Sat	144	178	191	195	186

August Evening Occupancy Rates

		5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	Average
7-Aug	Wed	9%	9%	10%	11%	11%	10%
8-Aug	Thurs	11%	14%	15%	14%	14%	14%
9-Aug	Fri	12%	17%	18%	19%	19%	17%
10-Aug	Sat	23%	23%	20%	20%	20%	21%
12-Aug	Mon	5%	6%	6%	6%	5%	6%
13-Aug	Tue	7%	7%	9%	8%	8%	8%
14-Aug	Wed	10%	11%	13%	12%	9%	11%
15-Aug	Thurs	9%	13%	13%	11%	10%	11%
16-Aug	Fri	24%	29%	29%	25%	23%	26%
17-Aug	Sat	37%	39%	37%	33%	31%	35%
19-Aug	Mon	9%	9%	9%	7%	6%	8%
20-Aug	Tue	11%	11%	12%	10%	9%	11%
21-Aug	Wed	14%	14%	15%	20%	10%	14%
Average		14%	15%	16%	15%	13%	

September Evening Occupancy Rates

		5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	Average
9-Sep	Mon	7%	8%	8%	6%	6%	7%
10-Sep	Tue	9%	10%	10%	9%	8%	9%
11-Sep	Wed	11%	10%	12%	12%	10%	11%
12-Sep	Thurs	10%	13%	12%	12%	10%	12%
13-Sep	Fri	12%	17%	21%	21%	18%	17%
14-Sep	Sat	23%	25%	29%	26%	24%	25%
16-Sep	Mon	9%	9%	7%	6%	6%	7%
17-Sep	Tue	8%	8%	7%	7%	6%	7%
18-Sep	Wed	10%	13%	13%	12%	9%	11%
19-Sep	Thurs	12%	13%	12%	11%	9%	11%
20-Sep	Fri	10%	13%	15%	13%	12%	13%
21-Sep	Sat	16%	20%	21%	22%	21%	20%
Average		11%	13%	14%	13%	12%	

Riverside - 903 spots, 5 permits
Evening occupancy numbers

		5 to 6	6 to 7	7 to 8	8 to 9	9 to 10
7-Aug	Wed	9	11	11	6	9
8-Aug	Thurs	7	20	35	17	0
9-Aug	Fri	15	20	21	22	2
10-Aug	Sat	33	28	22	18	19
12-Aug	Mon	2	8	8	8	5
13-Aug	Tue	6	21	16	15	8
14-Aug	Wed	18	29	23	18	12
15-Aug	Thurs	4	11	12	10	11
16-Aug	Fri	63	79	86	52	43
17-Aug	Sat	99	97	88	69	52
19-Aug	Mon	5	4	7	8	9
20-Aug	Tue	11	14	21	18	10
21-Aug	Wed	29	64	69	50	12

September		5 to 6	6 to 7	7 to 8	8 to 9	9 to 10
9-Sep	Mon	5	31	14	8	12
10-Sep	Tue	6	8	7	8	9
11-Sep	Wed	10	14	16	12	10
12-Sep	Thurs	10	12	10	8	7
13-Sep	Fri	11	23	84	77	73
14-Sep	Sat	56	65	78	67	61
16-Sep	Mon	13	16	17	11	7
17-Sep	Tue	7	8	17	12	9
18-Sep	Wed	11	30	33	23	18
19-Sep	Thurs	10	20	24	18	15
20-Sep	Fri	7	12	22	22	17
21-Sep	Sat	77	72	66	57	46

August Evening Occupancy Rates

		5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	Average
7-Aug	Wed	1%	1%	1%	1%	1%	1%
8-Aug	Thurs	1%	2%	4%	2%	0%	2%
9-Aug	Fri	2%	2%	2%	2%	0%	2%
10-Aug	Sat	4%	3%	2%	2%	2%	3%
12-Aug	Mon	0%	1%	1%	1%	1%	1%
13-Aug	Tue	1%	2%	2%	2%	1%	1%
14-Aug	Wed	2%	3%	3%	2%	1%	2%
15-Aug	Thurs	0%	1%	1%	1%	1%	1%
16-Aug	Fri	7%	9%	10%	6%	5%	7%
17-Aug	Sat	11%	11%	10%	8%	6%	9%
19-Aug	Mon	1%	0%	1%	1%	1%	1%
20-Aug	Tue	1%	2%	2%	2%	1%	2%
21-Aug	Wed	3%	7%	8%	6%	1%	5%
Average		3%	3%	4%	3%	2%	

September Evening Occupancy Rates

		5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	Average
9-Sep	Mon	1%	3%	2%	1%	1%	2%
10-Sep	Tue	1%	1%	1%	1%	1%	1%
11-Sep	Wed	1%	2%	2%	1%	1%	1%
12-Sep	Thurs	1%	1%	1%	1%	1%	1%
13-Sep	Fri	1%	3%	9%	9%	8%	6%
14-Sep	Sat	6%	7%	9%	7%	7%	7%
16-Sep	Mon	1%	2%	2%	1%	1%	1%
17-Sep	Tue	1%	1%	2%	1%	1%	1%
18-Sep	Wed	1%	3%	4%	3%	2%	3%
19-Sep	Thurs	1%	2%	3%	2%	2%	2%
20-Sep	Fri	1%	1%	2%	2%	2%	2%
21-Sep	Sat	9%	8%	7%	6%	5%	7%
Average		2%	3%	4%	3%	3%	

Market Square - 530 spots, 175 permits
Evening occupancy numbers

		5 to 6	6 to 7	7 to 8	8 to 9	9 to 10
7-Aug	Wed	83	70	69	67	57
8-Aug	Thurs	78	68	60	55	53
9-Aug	Fri	73	83	79	74	83
10-Aug	Sat	98	79	76	70	85
12-Aug	Mon	71	64	55	50	50
13-Aug	Tue	72	63	58	55	50
14-Aug	Wed	71	67	64	58	59
15-Aug	Thurs	80	64	62	55	50
16-Aug	Fri	71	72	70	69	83
17-Aug	Sat	67	61	62	62	71
19-Aug	Mon	53	50	44	40	42
20-Aug	Tue	60	60	52	52	48
21-Aug	Wed	69	54	52	54	46

September		5 to 6	6 to 7	7 to 8	8 to 9	9 to 10
9-Sep	Mon	77	58	55	66	51
10-Sep	Tue	91	76	58	56	51
11-Sep	Wed	83	75	59	60	56
12-Sep	Thurs	76	64	61	57	52
13-Sep	Fri	80	78	90	88	95
14-Sep	Sat	80	77	72	80	87
16-Sep	Mon	64	55	55	54	51
17-Sep	Tue	77	72	65	60	62
18-Sep	Wed	84	86	85	83	82
19-Sep	Thurs	77	81	72	59	56
20-Sep	Fri	78	83	73	64	88
21-Sep	Sat	77	92	98	100	95

August Evening Occupancy Rates

		5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	Average
7-Aug	Wed	16%	13%	13%	13%	11%	13%
8-Aug	Thurs	15%	13%	11%	10%	10%	12%
9-Aug	Fri	14%	16%	15%	14%	16%	15%
10-Aug	Sat	18%	15%	14%	13%	16%	15%
12-Aug	Mon	13%	12%	10%	9%	9%	11%
13-Aug	Tue	14%	12%	11%	10%	9%	11%
14-Aug	Wed	13%	13%	12%	11%	11%	12%
15-Aug	Thurs	15%	12%	12%	10%	9%	12%
16-Aug	Fri	13%	14%	13%	13%	16%	14%
17-Aug	Sat	13%	12%	12%	12%	13%	12%
19-Aug	Mon	10%	9%	8%	8%	8%	9%
20-Aug	Tue	11%	11%	10%	10%	9%	10%
21-Aug	Wed	13%	10%	10%	10%	9%	10%
Average		14%	12%	12%	11%	11%	

September Evening Occupancy Rates

		5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	Average
9-Sep	Mon	15%	11%	10%	12%	10%	12%
10-Sep	Tue	17%	14%	11%	11%	10%	13%
11-Sep	Wed	16%	14%	11%	11%	11%	13%
12-Sep	Thurs	14%	12%	12%	11%	10%	12%
13-Sep	Fri	15%	15%	17%	17%	18%	16%
14-Sep	Sat	15%	15%	14%	15%	16%	15%
16-Sep	Mon	12%	10%	10%	10%	10%	11%
17-Sep	Tue	15%	14%	12%	11%	12%	13%
18-Sep	Wed	16%	16%	16%	16%	15%	16%
19-Sep	Thurs	15%	15%	14%	11%	11%	13%
20-Sep	Fri	15%	16%	14%	12%	17%	15%
21-Sep	Sat	15%	17%	18%	19%	18%	17%
Average		15%	14%	13%	13%	13%	

Totals for August counts

August	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10
7-Aug Wed	324	270	275	270	256
8-Aug Thurs	344	396	422	319	273
9-Aug Fri	346	393	412	407	383
10-Aug Sat	587	553	514	515	517
12-Aug Mon	262	201	181	169	161
13-Aug Tue	316	247	226	216	193
14-Aug Wed	328	325	311	270	219
15-Aug Thurs	395	392	395	289	254
16-Aug Fri	541	698	718	665	609
17-Aug Sat	644	665	631	585	566
19-Aug Mon	272	248	230	195	175
20-Aug Tue	288	270	265	237	204
21-Aug Wed	387	379	363	376	231
September	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10
9-Sep Mon	371	335	296	292	269
10-Sep Tue	400	350	303	288	268
11-Sep Wed	415	340	348	335	308
12-Sep Thurs	411	449	423	370	302
13-Sep Fri	386	429	540	520	490
14-Sep Sat	550	585	627	570	541
16-Sep Mon	344	305	287	264	254
17-Sep Tue	354	312	302	269	260
18-Sep Wed	381	409	391	359	320
19-Sep Thurs	427	420	391	338	310
20-Sep Fri	331	366	402	375	375
21-Sep Sat	440	519	551	539	506

Potential income using 50% are permittees

	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	Totals
7-Aug Wed	\$ 162.00	\$ 135.00	\$ 137.50	\$ 135.00	\$ 128.00	\$ 697.50
8-Aug Thurs	\$ 172.00	\$ 186.00	\$ 211.00	\$ 159.50	\$ 136.50	\$ 877.00
9-Aug Fri	\$ 173.00	\$ 196.50	\$ 206.00	\$ 203.50	\$ 191.50	\$ 970.50
10-Aug Sat	\$ 293.50	\$ 276.50	\$ 257.00	\$ 257.50	\$ 258.50	\$ 1,343.00
12-Aug Mon	\$ 131.00	\$ 100.50	\$ 90.50	\$ 84.50	\$ 80.50	\$ 487.00
13-Aug Tue	\$ 158.00	\$ 123.50	\$ 113.00	\$ 108.00	\$ 96.50	\$ 599.00
14-Aug Wed	\$ 164.00	\$ 167.50	\$ 155.50	\$ 135.00	\$ 109.50	\$ 726.50
15-Aug Thurs	\$ 182.50	\$ 191.00	\$ 182.50	\$ 144.50	\$ 127.00	\$ 827.50
16-Aug Fri	\$ 270.50	\$ 324.00	\$ 359.00	\$ 332.50	\$ 304.50	\$ 1,690.50
17-Aug Sat	\$ 322.00	\$ 332.50	\$ 315.50	\$ 292.50	\$ 283.00	\$ 1,545.50
19-Aug Mon	\$ 136.00	\$ 124.00	\$ 115.00	\$ 97.50	\$ 87.50	\$ 560.00
20-Aug Tue	\$ 144.00	\$ 135.00	\$ 132.50	\$ 118.50	\$ 102.00	\$ 632.00
21-Aug Wed	\$ 193.50	\$ 189.50	\$ 181.50	\$ 188.00	\$ 115.50	\$ 868.00
9-Sep Mon	\$ 185.50	\$ 167.50	\$ 148.00	\$ 146.00	\$ 134.50	\$ 761.50
10-Sep Tue	\$ 200.00	\$ 175.00	\$ 151.50	\$ 144.00	\$ 134.00	\$ 804.50
11-Sep Wed	\$ 207.50	\$ 170.00	\$ 174.00	\$ 167.50	\$ 154.00	\$ 873.00
12-Sep Thurs	\$ 205.50	\$ 224.50	\$ 211.50	\$ 185.00	\$ 151.00	\$ 977.50
13-Sep Fri	\$ 183.00	\$ 214.50	\$ 270.00	\$ 260.00	\$ 245.00	\$ 1,172.50
14-Sep Sat	\$ 275.00	\$ 292.50	\$ 313.50	\$ 285.00	\$ 270.50	\$ 1,436.50
16-Sep Mon	\$ 172.00	\$ 152.50	\$ 143.50	\$ 132.00	\$ 127.00	\$ 727.00
17-Sep Tue	\$ 177.00	\$ 156.00	\$ 151.00	\$ 134.50	\$ 130.00	\$ 748.50
18-Sep Wed	\$ 190.50	\$ 204.50	\$ 195.50	\$ 179.50	\$ 160.00	\$ 930.00
19-Sep Thurs	\$ 213.50	\$ 210.00	\$ 195.50	\$ 169.00	\$ 155.00	\$ 943.00
20-Sep Fri	\$ 165.50	\$ 183.00	\$ 201.00	\$ 187.50	\$ 187.50	\$ 924.50
21-Sep Sat	\$ 220.00	\$ 259.50	\$ 275.50	\$ 269.50	\$ 253.00	\$ 1,277.50
Totals	\$ 4,897.00	\$ 4,908.00	\$ 4,887.00	\$ 4,516.00	\$ 4,122.00	
Daily Average	\$ 196.32	\$ 196.48	\$ 198.64	\$ 184.88	\$ 173.32	
Year total	\$ 61,448.16	\$ 61,189.24	\$ 56,540.32	\$ 51,697.44	\$ 239,791.16	

Potential income using 25% are permittees

	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	Totals
7-Aug Wed	\$ 243.00	\$ 202.50	\$ 206.25	\$ 202.50	\$ 192.00	\$ 1,046.25
8-Aug Thurs	\$ 258.00	\$ 297.00	\$ 316.50	\$ 239.25	\$ 204.75	\$ 1,315.50
9-Aug Fri	\$ 259.50	\$ 294.75	\$ 309.00	\$ 305.25	\$ 287.25	\$ 1,456.75
10-Aug Sat	\$ 440.25	\$ 414.75	\$ 385.50	\$ 386.25	\$ 387.75	\$ 2,014.50
12-Aug Mon	\$ 196.50	\$ 150.75	\$ 135.75	\$ 126.75	\$ 120.75	\$ 730.50
13-Aug Tue	\$ 237.00	\$ 185.25	\$ 169.50	\$ 162.00	\$ 144.75	\$ 899.50
14-Aug Wed	\$ 246.00	\$ 243.75	\$ 233.25	\$ 202.50	\$ 164.25	\$ 1,089.75
15-Aug Thurs	\$ 273.75	\$ 286.50	\$ 273.75	\$ 216.75	\$ 190.50	\$ 1,241.25
16-Aug Fri	\$ 405.75	\$ 501.00	\$ 538.50	\$ 498.75	\$ 456.75	\$ 2,407.75
17-Aug Sat	\$ 483.00	\$ 498.75	\$ 473.25	\$ 438.75	\$ 424.50	\$ 2,318.25
19-Aug Mon	\$ 204.00	\$ 186.00	\$ 172.50	\$ 146.25	\$ 131.25	\$ 840.00
20-Aug Tue	\$ 216.00	\$ 202.50	\$ 198.75	\$ 177.75	\$ 153.00	\$ 948.00
21-Aug Wed	\$ 290.25	\$ 284.25	\$ 272.25	\$ 282.00	\$ 173.25	\$ 1,302.00
9-Sep Mon	\$ 278.25	\$ 251.25	\$ 222.00	\$ 219.00	\$ 201.75	\$ 1,172.25
10-Sep Tue	\$ 300.00	\$ 262.50	\$ 227.25	\$ 216.00	\$ 201.00	\$ 1,206.75
11-Sep Wed	\$ 313.25	\$ 255.00	\$ 261.00	\$ 251.25	\$ 231.00	\$ 1,309.50
12-Sep Thurs	\$ 308.25	\$ 336.75	\$ 317.25	\$ 277.50	\$ 226.50	\$ 1,466.25
13-Sep Fri	\$ 274.50	\$ 321.75	\$ 405.00	\$ 390.00	\$ 367.50	\$ 1,758.75
14-Sep Sat	\$ 412.50	\$ 438.75	\$ 470.25	\$ 427.50	\$ 405.75	\$ 2,154.75
16-Sep Mon	\$ 258.00	\$ 228.75	\$ 215.25	\$ 186.00	\$ 150.50	\$ 1,090.50
17-Sep Tue	\$ 265.50	\$ 234.00	\$ 226.50	\$ 201.75	\$ 195.00	\$ 1,122.75
18-Sep Wed	\$ 285.75	\$ 306.75	\$ 293.25	\$ 269.25	\$ 240.00	\$ 1,394.00
19-Sep Thurs	\$ 320.25	\$ 315.00	\$ 293.25	\$ 253.50	\$ 232.50	\$ 1,414.50
20-Sep Fri	\$ 248.25	\$ 274.50	\$ 301.50	\$ 281.25	\$ 281.25	\$ 1,386.75
21-Sep Sat	\$ 330.00	\$ 389.25	\$ 413.25	\$ 404.25	\$ 379.50	\$ 1,916.25
Totals	\$ 7,345.50	\$ 7,362.00	\$ 7,330.50	\$ 6,774.00	\$ 6,183.00	
Daily Average	\$ 294.48	\$ 293.22	\$ 270.96	\$ 267.32	\$ 1,105.98	
Year total	\$ 92,172.24	\$ 91,777.88	\$ 84,819.48	\$ 77,411.16	\$ 346,171.74	



City of La Crosse, Wisconsin

City Hall
400 La Crosse Street
La Crosse, WI 54601

Text File

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In Control: Board of Public Works

File Type: General Item