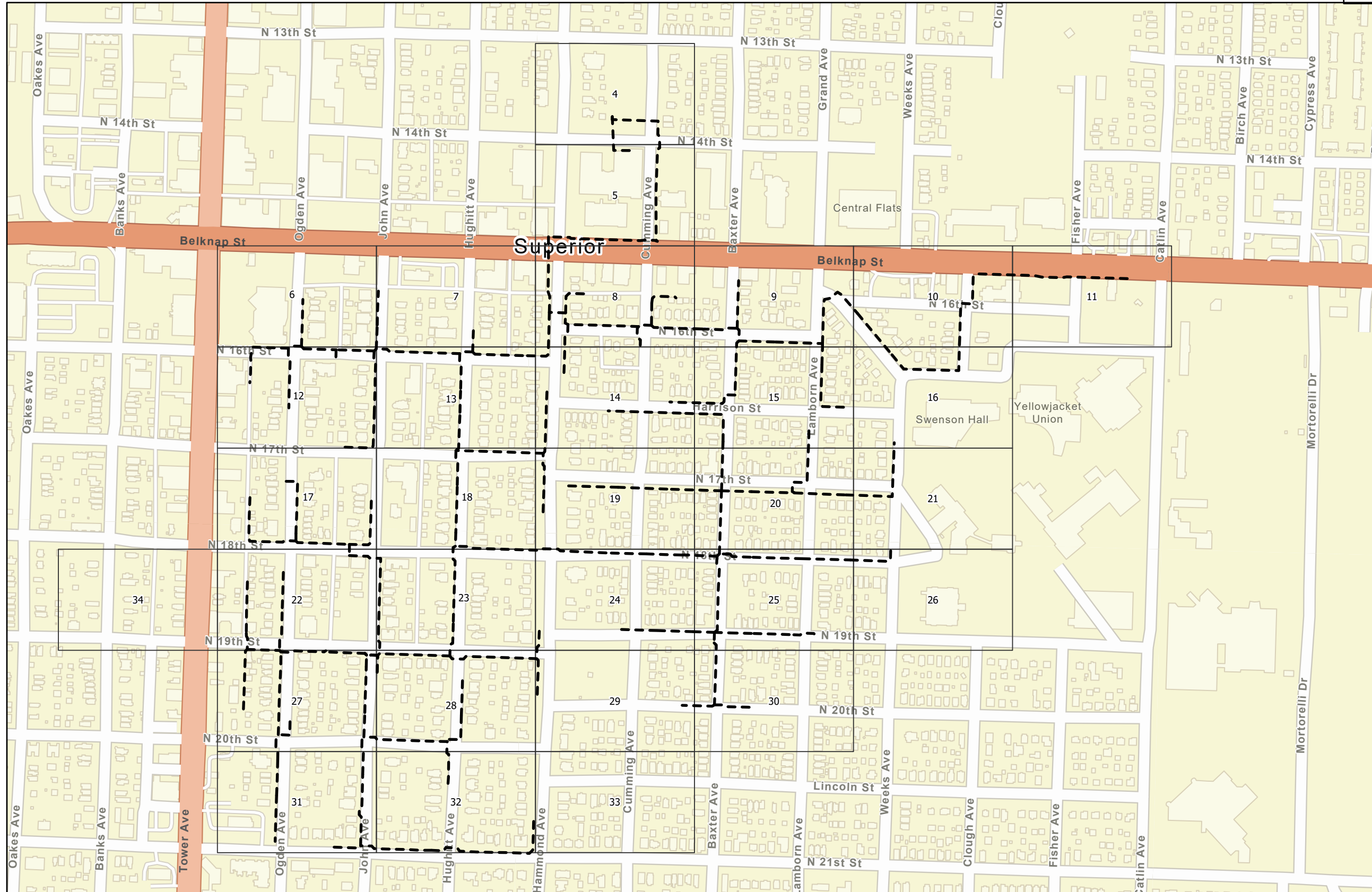
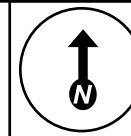


# SUPERIOR, WISCONSIN DOUGLAS COUNTY



Pilot

## EN COMMUNICATIONS CONSTRUCTION MAP

TITLE: FIBER OPTIC CABLE ROUTE  
FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

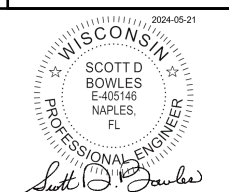
DATE: 05/21/24

ENGINEER: SM

DRAWN BY: AG

### REVISIONS

DATE	DESCRIPTION	INITIAL
05-21-2024	Fiber - Pilot V0	JW



PRIOR TO CONSTRUCTION CALL  
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### SCALE

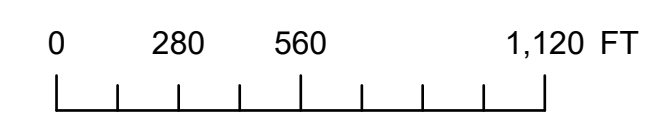
HORIZONTAL:	1:5,285
VERTICAL:	1:5,285
MP	TO MP
SHEET 1	OF 34

\*\*\*\* NOTE \*\*\*\*  
CONDUIT SHOULD BE PLACED  
IN THE PUE WHERE AVAILABLE

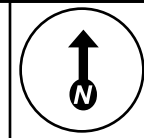
CAUTION!!!  
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# SUPERIOR, WISCONSIN DOUGLAS COUNTY



Pilot

## EN COMMUNICATIONS CONSTRUCTION MAP

TITLE: FIBER OPTIC CABLE ROUTE

FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

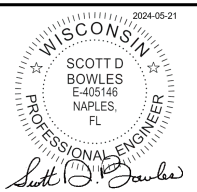
DATE: 05/21/24

ENGINEER: SM

DRAWN BY: AG

### REVISIONS

DATE	DESCRIPTION	INITIAL
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<p> FDH Cabinet</p> <p> Existing FDH Cabinet</p> <p> HUT</p> <p><b>Fibercable</b></p> <p> Aerial</p> <p> Overlash</p> <p> Underground</p> <p><b>Existing Fibercable</b></p> <p> Aerial</p> <p> Underground</p> <p><b>Drops</b></p> <p> New Aerial</p> <p> New Underground</p> <p> Existing Drop</p> <p><b>Splice Closure</b></p> <p> Aerial NAP</p> <p> Aerial NAP/MCA</p> <p> MCA</p> <p> Other</p> <p> UG NAP</p> <p> UG NAP/MCA</p> <p> Existing</p> <p><b>Existing Splice Closure</b></p> <p> MCA</p>	<p> Reel End</p> <p> UG NAP</p> <p> UG NAP/MCA</p> <p><b>Structure</b></p> <p> 12x12</p> <p> 17x30</p> <p> 24x36</p> <p> 30x48</p> <p> 60x36</p> <p> Existing HH</p> <p> &lt;all other values&gt;</p> <p><b>Existing Structure</b></p> <p> Existing DV</p> <p> Existing HH</p> <p><b>Areas</b></p> <p> FDH</p> <p> NAP</p> <p> HUT</p> <p> Permit</p> <p> Field</p> <p> MDU</p> <p> Parcels</p> <p> City Boundary</p> <p> Street Centerline</p>	<p><b>Superior Sanitary Sewer Collection Lines</b></p> <p> Gravity Main</p> <p> Force Main</p> <p> &lt;all other values&gt;</p> <p><b>Superior Storm Sewer Lines</b></p> <p><b>DIAMETER</b></p> <p> 0</p> <p> &lt;Null&gt;</p> <p> 4</p> <p> 5</p> <p> 6</p> <p> 8</p> <p> 10</p> <p> 12</p> <p> 14</p> <p> 15</p> <p> 18</p> <p> 20</p> <p> 21</p> <p> 24</p> <p> 25</p> <p> 27</p> <p> 28</p> <p> 30</p> <p> 33</p> <p> 35</p> <p> 36</p> <p> 37</p> <p> 39</p> <p> 40</p> <p> 42</p> <p> 44</p> <p> 48</p> <p> 51</p> <p> 52</p> <p> 54</p> <p> 57</p> <p> 60</p> <p> 66</p> <p> 72</p> <p> 84</p> <p> 114</p> <p> 122</p> <p> 126</p> <p> 168</p> <p> &lt;all other values&gt;</p>
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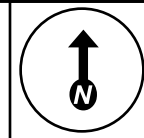
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Pilot

EN COMMUNICATIONS

CONSTRUCTION MAP

TITLE: CONSTRUCTION NOTES

FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

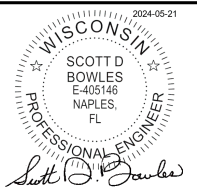
DATE: 05/21/24

ENGINEER: SM

DRAWN BY: AG

REVISIONS

DATE	DESCRIPTION	INITIAL
05-21-2024	Fiber - Pilot V0	JW



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SCALE

HORIZONTAL:

VERTICAL:

SHEET 3 OF 34

# Construction Notes

## Refer to Construction Standards and Typicals documents.

\*\*\*\* NOTE \*\*\*\*  
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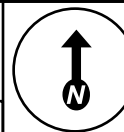
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SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



To Sheet:

To Sheet:

To Sheet:



To Sheet:

To Sheet:

Pilot

EN COMMUNICATIONS

CONSTRUCTION MAP

TITLE: FIBER OPTIC CABLE ROUTE

FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

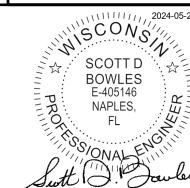
DATE: 05/21/24

ENGINEER: JD

DRAWN BY: AG

REVISIONS

DATE	DESCRIPTION	INITIAL
05-21-2024	Fiber - Pilot V0	JW



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SCALE

HORIZONTAL: 1:650

VERTICAL: 1:650

MP TO MP

SHEET 4 OF 34

To Sheet:

To Sheet: 5

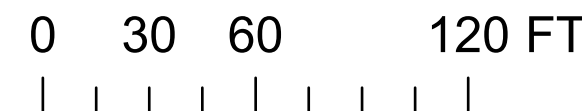
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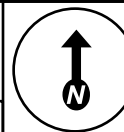
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SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



To Sheet:

To Sheet: 4

To Sheet:



**City Hall Server Room  
Tie-In Point  
432 FOC TO BE  
PULLED TO CITY  
HALL TO 4TH FLOOR  
SERVER ROOM**

Place 297' (SUW101b) 432 FOC

Place 1216' (SUW101b) 432 FOC

Place 329' (SUW101b) 432 FOC

**BELKNAP ST**

HAMMOND AV

CUMMING AV

N 14TH ST

To Sheet:

To Sheet:

Pilot

EN COMMUNICATIONS  
**CONSTRUCTION MAP**

TITLE: FIBER OPTIC CABLE ROUTE  
FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

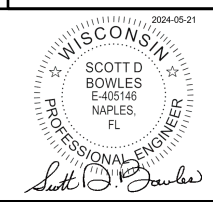
DATE: 05/21/24

ENGINEER: JD

DRAWN BY: AG

REVISIONS

DATE	DESCRIPTION	INITIAL
05-21-2024	Fiber - Pilot V0	JW



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SCALE

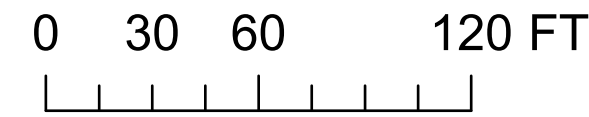
HORIZONTAL:	1:650
VERTICAL:	1:650
MP	TO MP
SHEET 5	OF 34

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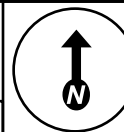


To Sheet: 7

To Sheet: 8

To Sheet: 9

SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



To Sheet:

To Sheet:

To Sheet:



Pilot

EN COMMUNICATIONS  
**CONSTRUCTION MAP**

TITLE: FIBER OPTIC CABLE ROUTE  
FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

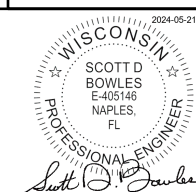
DATE: 05/21/24

ENGINEER: JD

DRAWN BY: AG

REVISIONS

DATE	DESCRIPTION	INITIAL
05-21-2024	Fiber - Pilot V0	JW



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SCALE

HORIZONTAL:	1:650
VERTICAL:	1:650
MP	TO MP
SHEET 6	OF 34

To Sheet:

To Sheet: 12

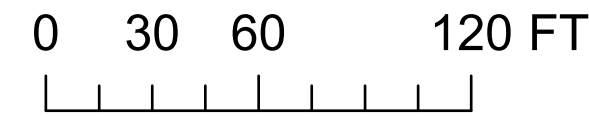
To Sheet: 13

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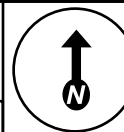
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SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



To Sheet:

To Sheet:

To Sheet: 5

BELKNAP ST

JOHN AV

HUGHITT AV

Install FOSC 450B  
SUW101b-L018c-N26  
Fibers: 60-64  
Install 60' of FOC Slack

Place 147' (SUW101b-L018c) 24 FOC

Install FOSC 450B  
SUW101b-L018c-N27  
Fibers: 65-75  
Install 60' of FOC Slack

Install FOSC 450B  
SUW101b-L018b-N13  
Fibers: 01-12  
Install 60' of FOC Slack

Place 165' (SUW101b-L018c) 96 FOC

Place 104' (SUW101b-L018c) 24 FOC

Place 365' (SUW101b-L018c) 96 FOC

Install FOSC 450B  
SUW101b-L018c-M05  
Fibers: 40-75  
Install 120' of FOC Slack Main  
Install 60' of each FOC Slack Laterals

Place 104' (SUW101b-L018b) 96 FOC

To Sheet: 6

To Sheet: 8

To Sheet: 12

To Sheet: 13

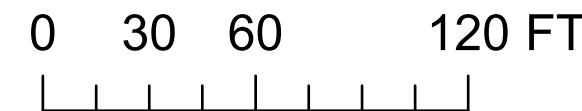
To Sheet: 14

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Pilot

EN COMMUNICATIONS  
**CONSTRUCTION MAP**

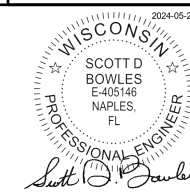
TITLE: FIBER OPTIC CABLE ROUTE  
FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

DATE: 05/21/24

ENGINEER: JD

DRAWN BY: AG

REVISIONS		
DATE	DESCRIPTION	INITIAL
05-21-2024	Fiber - Pilot V0	JW

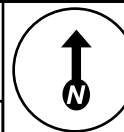


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SCALE	
HORIZONTAL:	1:650
VERTICAL:	1:650
MP	TO MP
SHEET 7	OF 34

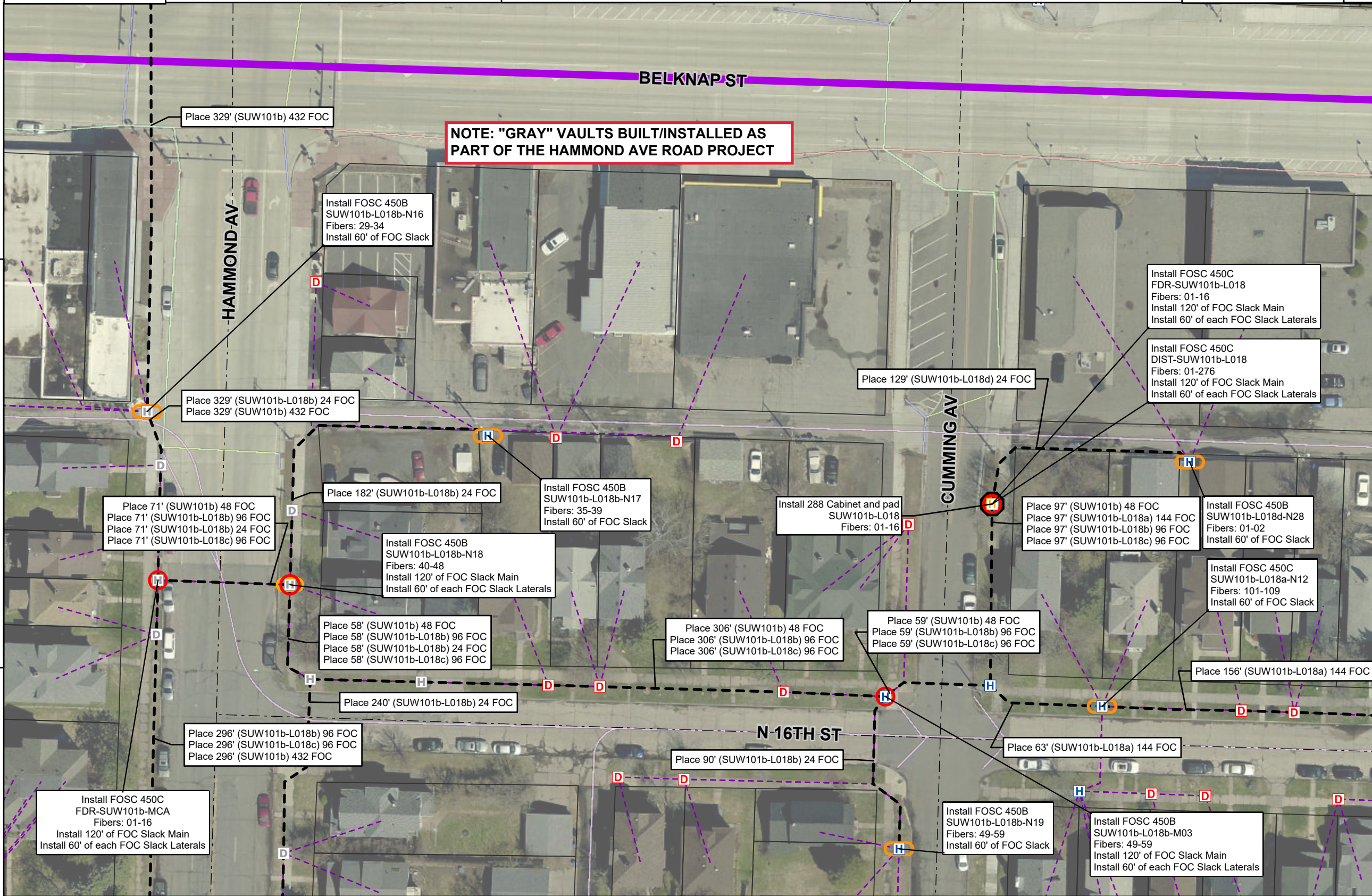
SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



To Sheet:

To Sheet: 5

To Sheet:



**NOTE: "GRAY" VAULTS BUILT/INSTALLED AS PART OF THE HAMMOND AVE ROAD PROJECT**

Pilot

**EN COMMUNICATIONS**

**CONSTRUCTION MAP**

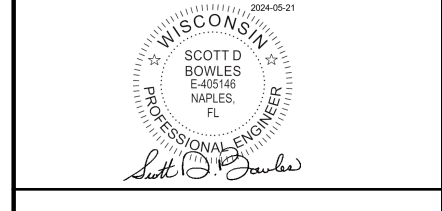
TITLE: FIBER OPTIC CABLE ROUTE

FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

DATE: 05/21/24  
ENGINEER: JD  
DRAWN BY: AG

REVISIONS

DATE	DESCRIPTION	INITIAL
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SCALE

HORIZONTAL:	1:650
VERTICAL:	1:650
MP	TO MP
SHEET 8	OF 34

To Sheet: 7

To Sheet: 9

To Sheet: 13

To Sheet: 14

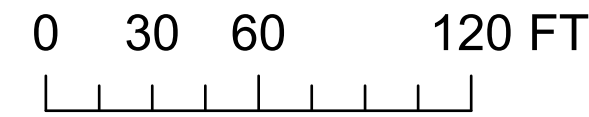
To Sheet: 15

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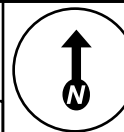
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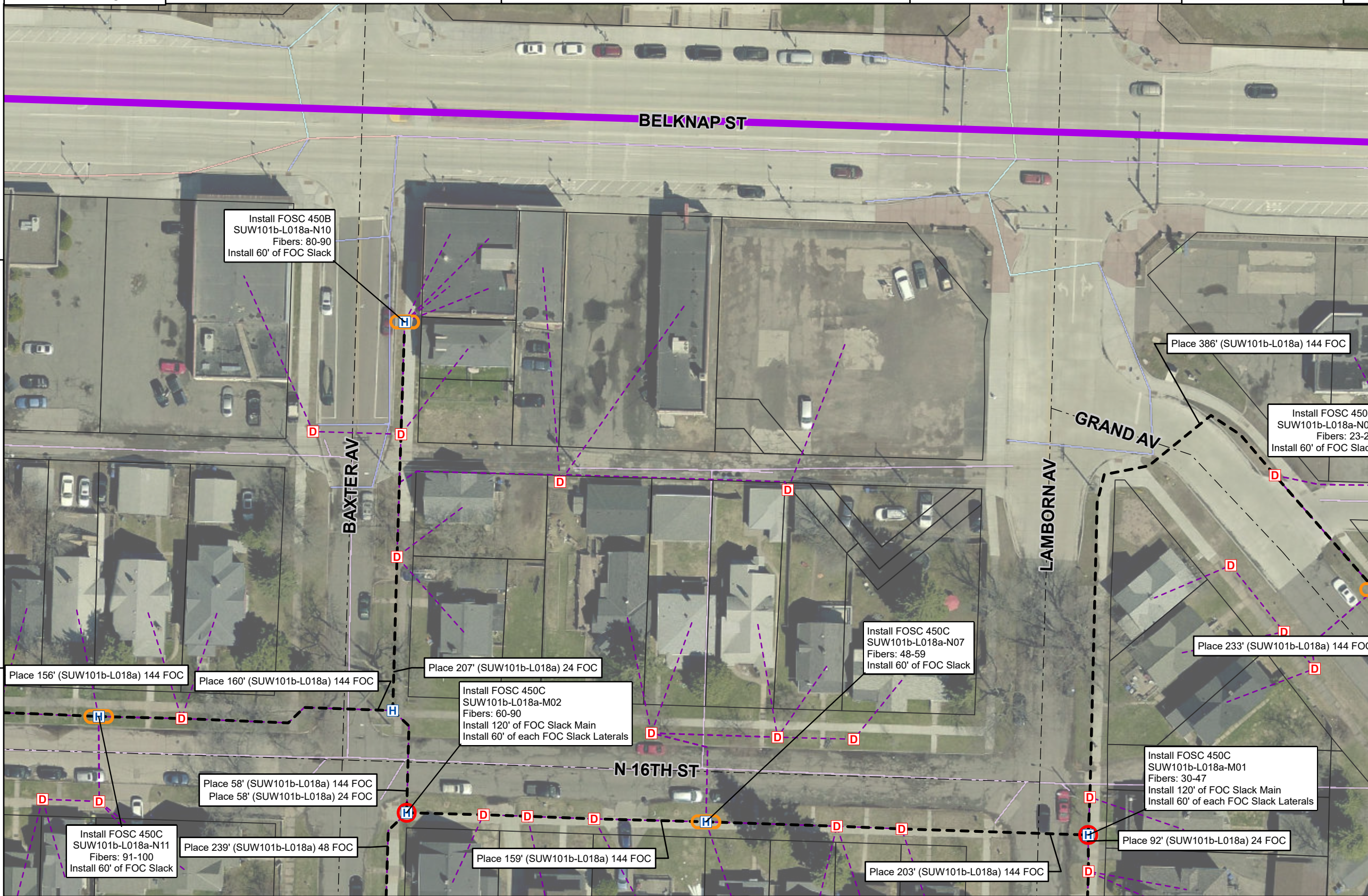
SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



To Sheet: 5

To Sheet:

To Sheet:



Pilot

**EN COMMUNICATIONS**

**CONSTRUCTION MAP**

TITLE: FIBER OPTIC CABLE ROUTE

FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

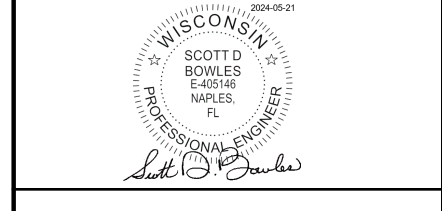
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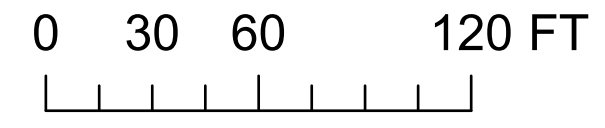
HORIZONTAL:	1:650
VERTICAL:	1:650
MP	TO MP
SHEET 9	OF 34

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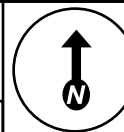
CAUTION!!!  
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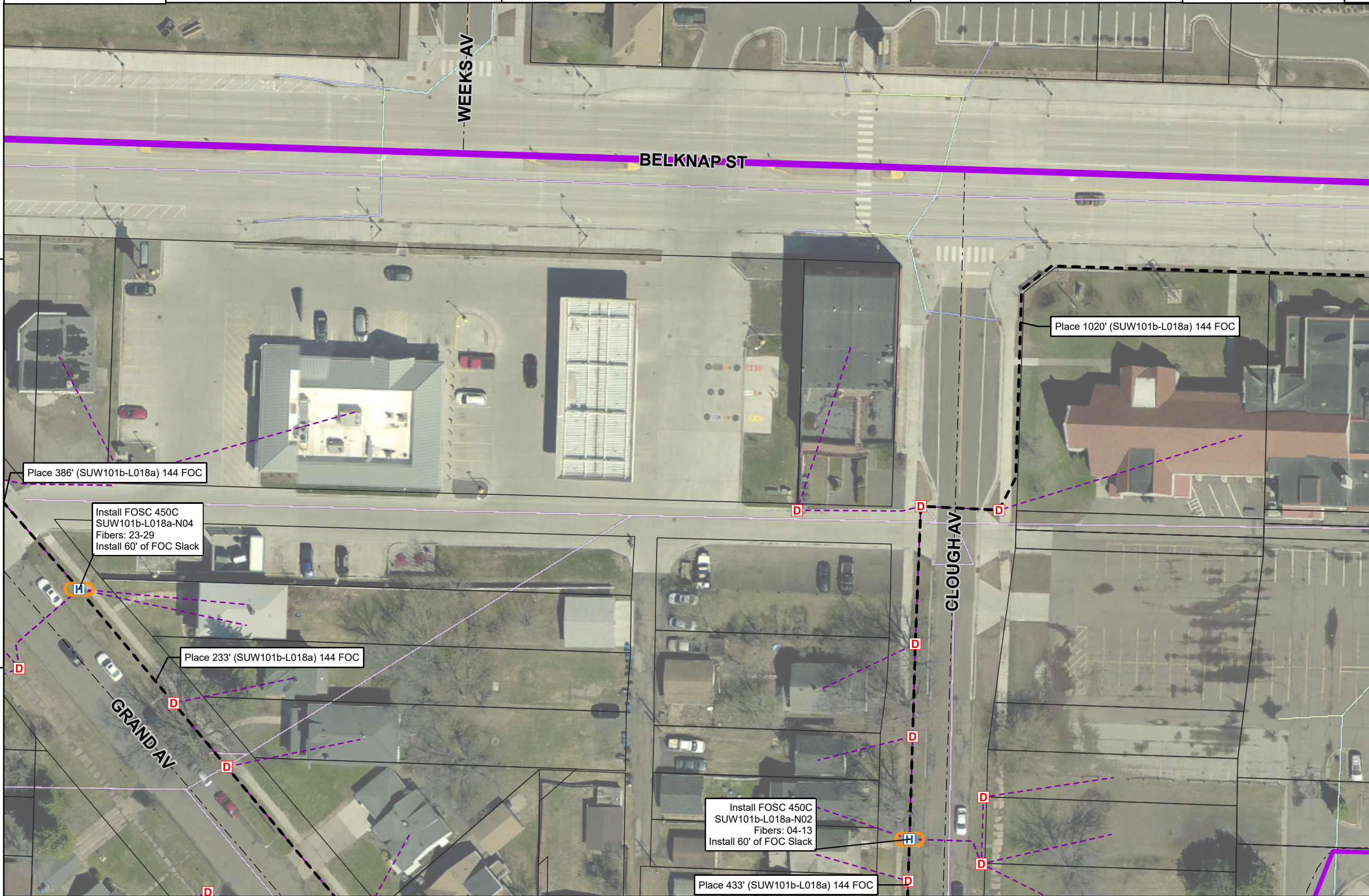
SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



To Sheet:

To Sheet:

To Sheet:



Pilot

EN COMMUNICATIONS

**CONSTRUCTION MAP**

TITLE: FIBER OPTIC CABLE ROUTE

FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

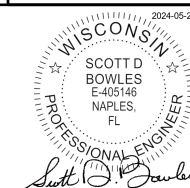
DATE: 05/21/24

ENGINEER: JD

DRAWN BY: AG

REVISIONS

DATE	DESCRIPTION	INITIAL
05-21-2024	Fiber - Pilot V0	JW



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SCALE

HORIZONTAL: 1:650

VERTICAL: 1:650

MP TO MP

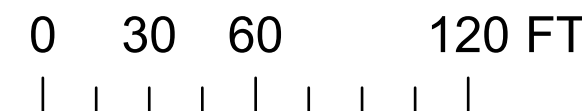
SHEET 10 OF 34

\*\*\*\* NOTE \*\*\*\*  
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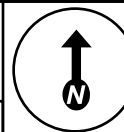
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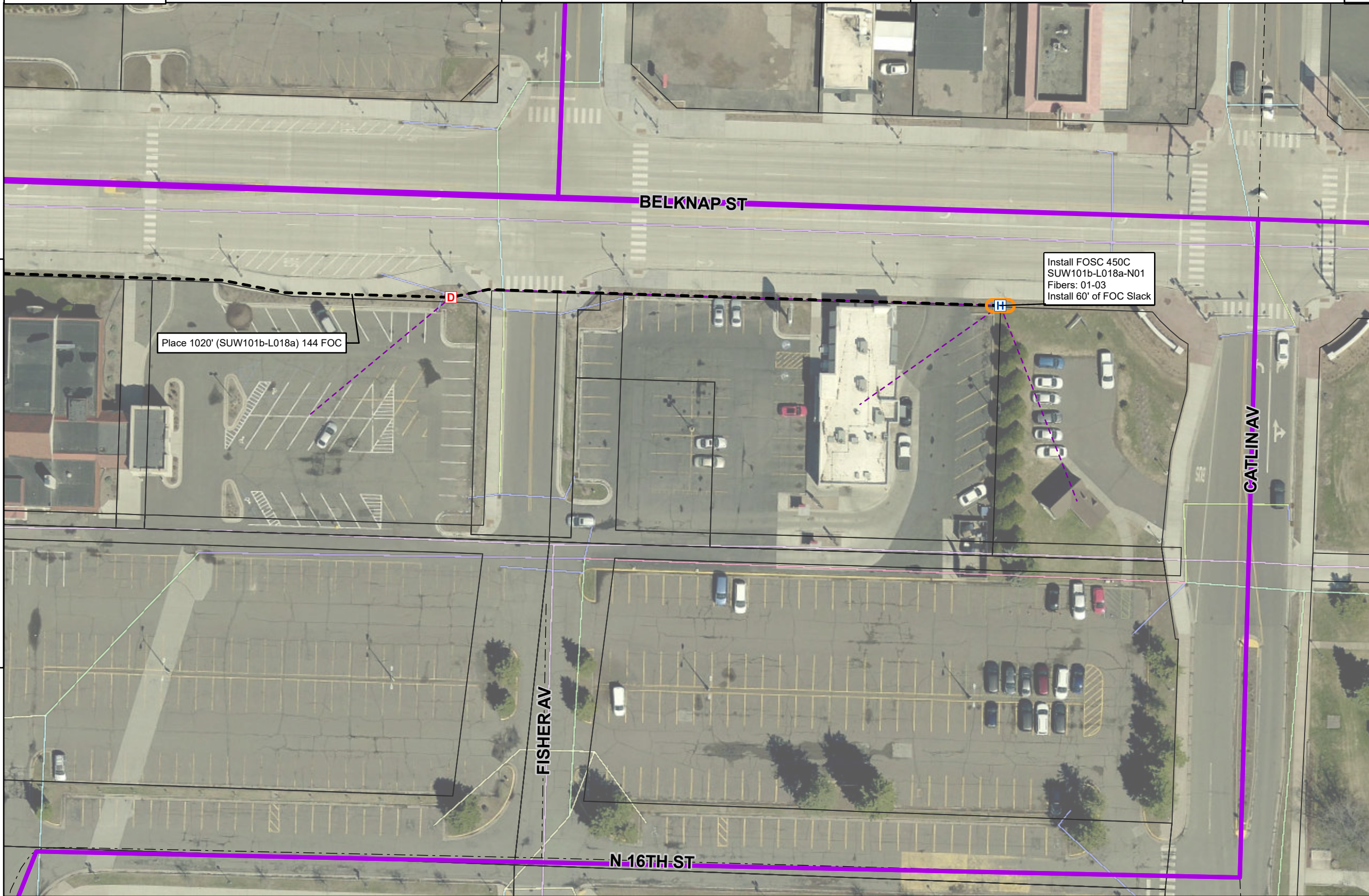
SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



To Sheet:

To Sheet:

To Sheet:



To Sheet: 10

To Sheet:

Pilot

EN COMMUNICATIONS

CONSTRUCTION MAP

TITLE: FIBER OPTIC CABLE ROUTE

FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

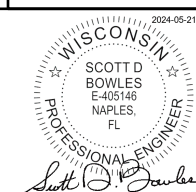
DATE: 05/21/24

ENGINEER: JD

DRAWN BY: AG

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SCALE

HORIZONTAL: 1:650

VERTICAL: 1:650

MP TO MP

SHEET 11 OF 34

To Sheet: 16

To Sheet:

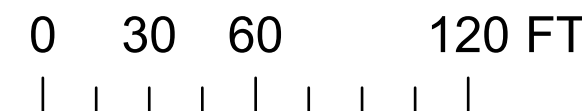
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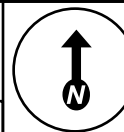
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SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



To Sheet:

To Sheet: 6

To Sheet: 7

Pilot

EN COMMUNICATIONS  
**CONSTRUCTION MAP**

TITLE: FIBER OPTIC CABLE ROUTE  
FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

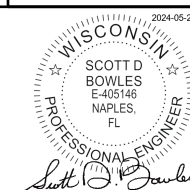
DATE: 05/21/24

ENGINEER: JD

DRAWN BY: AG

REVISIONS

DATE	DESCRIPTION	INITIAL
05-21-2024	Fiber - Pilot V0	JW



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HORIZONTAL: 1:650

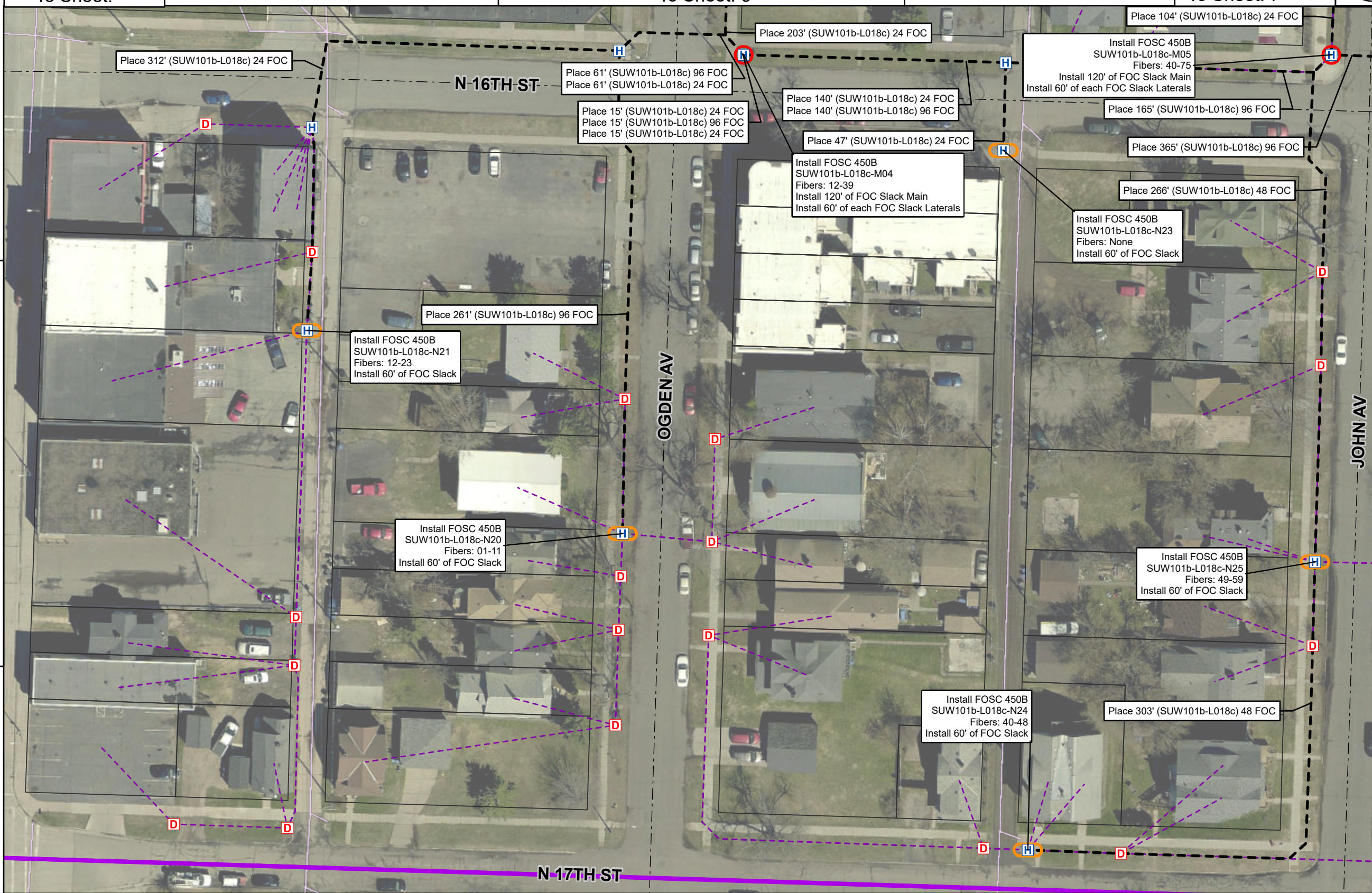
VERTICAL: 1:650

MP TO MP

SHEET 12 OF 34

To Sheet:

To Sheet: 13



To Sheet:

To Sheet: 17

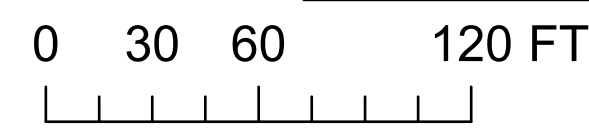
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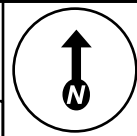
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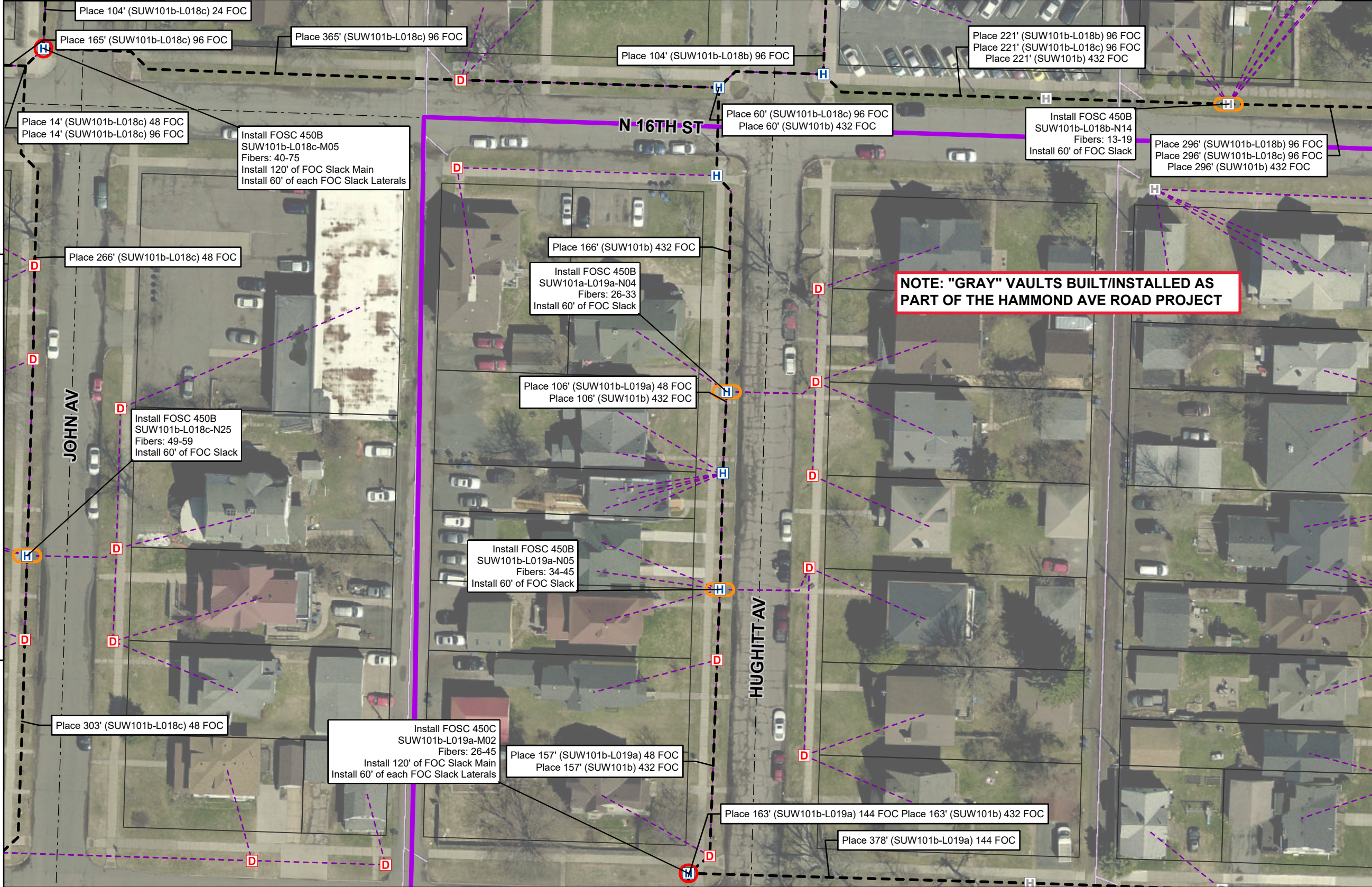
SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



To Sheet: 6

To Sheet: 7

To Sheet: 8



Pilot

EN COMMUNICATIONS  
**CONSTRUCTION MAP**

TITLE: FIBER OPTIC CABLE ROUTE  
FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

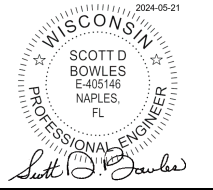
DATE: 05/21/24

ENGINEER: JD

DRAWN BY: AG

REVISIONS

DATE	DESCRIPTION	INITIAL
05-21-2024	Fiber - Pilot V0	JW



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SCALE

HORIZONTAL: 1:650

VERTICAL: 1:650

MP TO MP

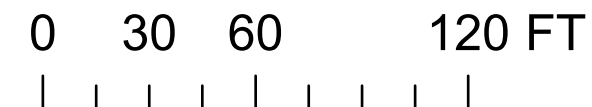
SHEET 13 OF 34

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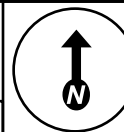
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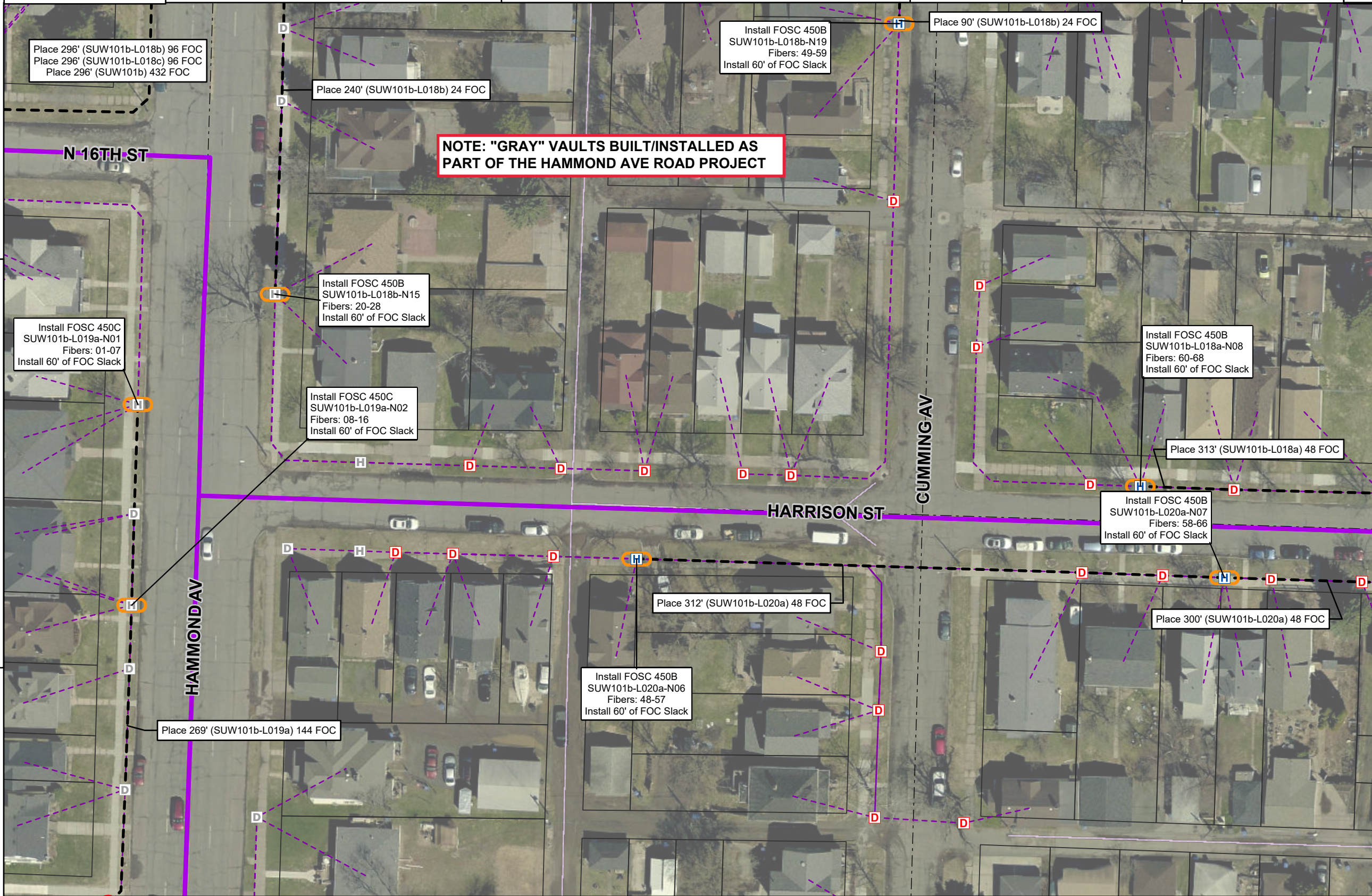
SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



To Sheet: 7

To Sheet: 8

To Sheet: 9



**NOTE: "GRAY" VAULTS BUILT/INSTALLED AS PART OF THE HAMMOND AVE ROAD PROJECT**

Pilot

EN COMMUNICATIONS  
**CONSTRUCTION MAP**

TITLE: FIBER OPTIC CABLE ROUTE  
FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

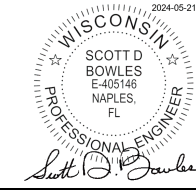
DATE: 05/21/24

ENGINEER: JD

DRAWN BY: AG

REVISIONS

DATE	DESCRIPTION	INITIAL
05-21-2024	Fiber - Pilot V0	JW



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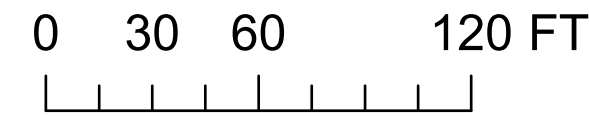
HORIZONTAL:	1:650
VERTICAL:	1:650
MP	TO MP
SHEET 14	OF 34

\*\*\*\* NOTE \*\*\*\*  
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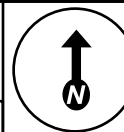
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SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



To Sheet: 8

To Sheet: 9

To Sheet: 10

To Sheet: 14

To Sheet: 16



To Sheet: 19

To Sheet: 20

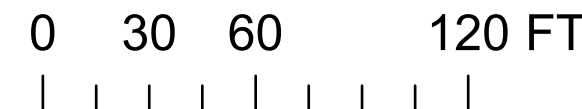
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Pilot

EN COMMUNICATIONS  
**CONSTRUCTION MAP**

TITLE: FIBER OPTIC CABLE ROUTE  
FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

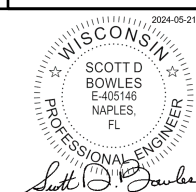
DATE: 05/21/24

ENGINEER: JD

DRAWN BY: AG

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DATE	DESCRIPTION	INITIAL
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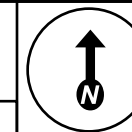
HORIZONTAL: 1:650

VERTICAL: 1:650

MP TO MP

SHEET 15 OF 34

SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



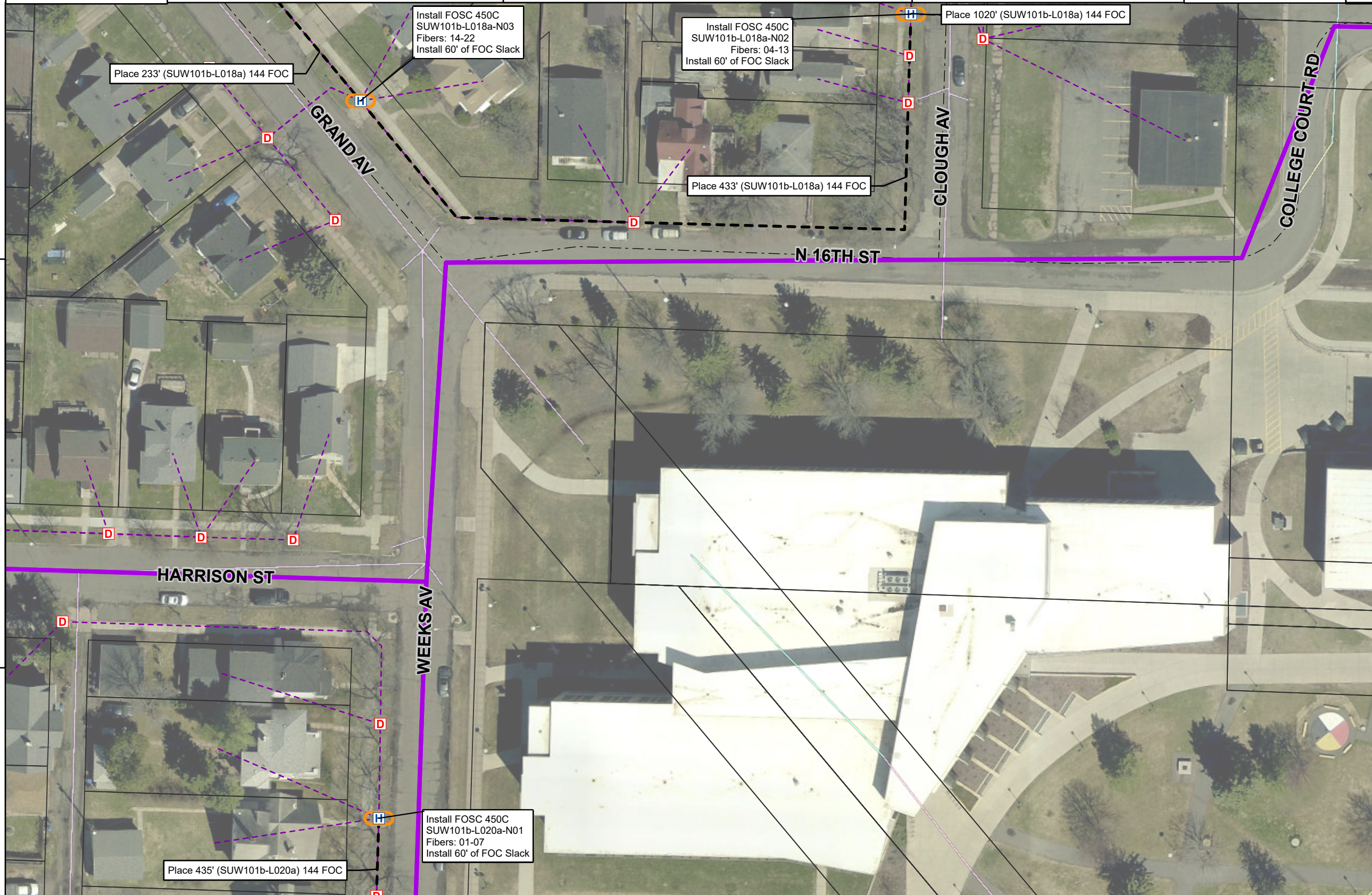
To Sheet: 9

To Sheet: 10

To Sheet: 11

To Sheet: 15

To Sheet:



To Sheet: 20

To Sheet: 21

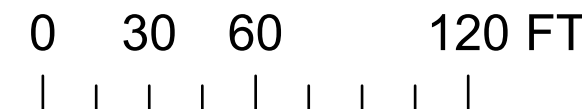
To Sheet:

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Pilot

EN COMMUNICATIONS  
**CONSTRUCTION MAP**

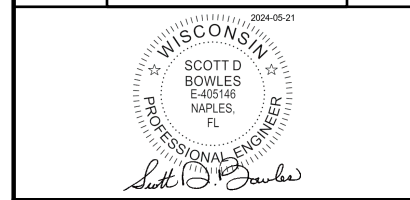
TITLE: FIBER OPTIC CABLE ROUTE  
FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

DATE: 05/21/24

ENGINEER: JD

DRAWN BY: AG

REVISIONS		
DATE	DESCRIPTION	INITIAL
05-21-2024	Fiber - Pilot V0	JW



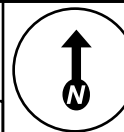
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SCALE	
HORIZONTAL:	1:650
VERTICAL:	1:650
MP	TO MP
SHEET 16	OF 34



SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



To Sheet:

To Sheet: 12

To Sheet: 13

Pilot

EN COMMUNICATIONS  
**CONSTRUCTION MAP**

TITLE: FIBER OPTIC CABLE ROUTE  
FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

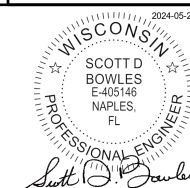
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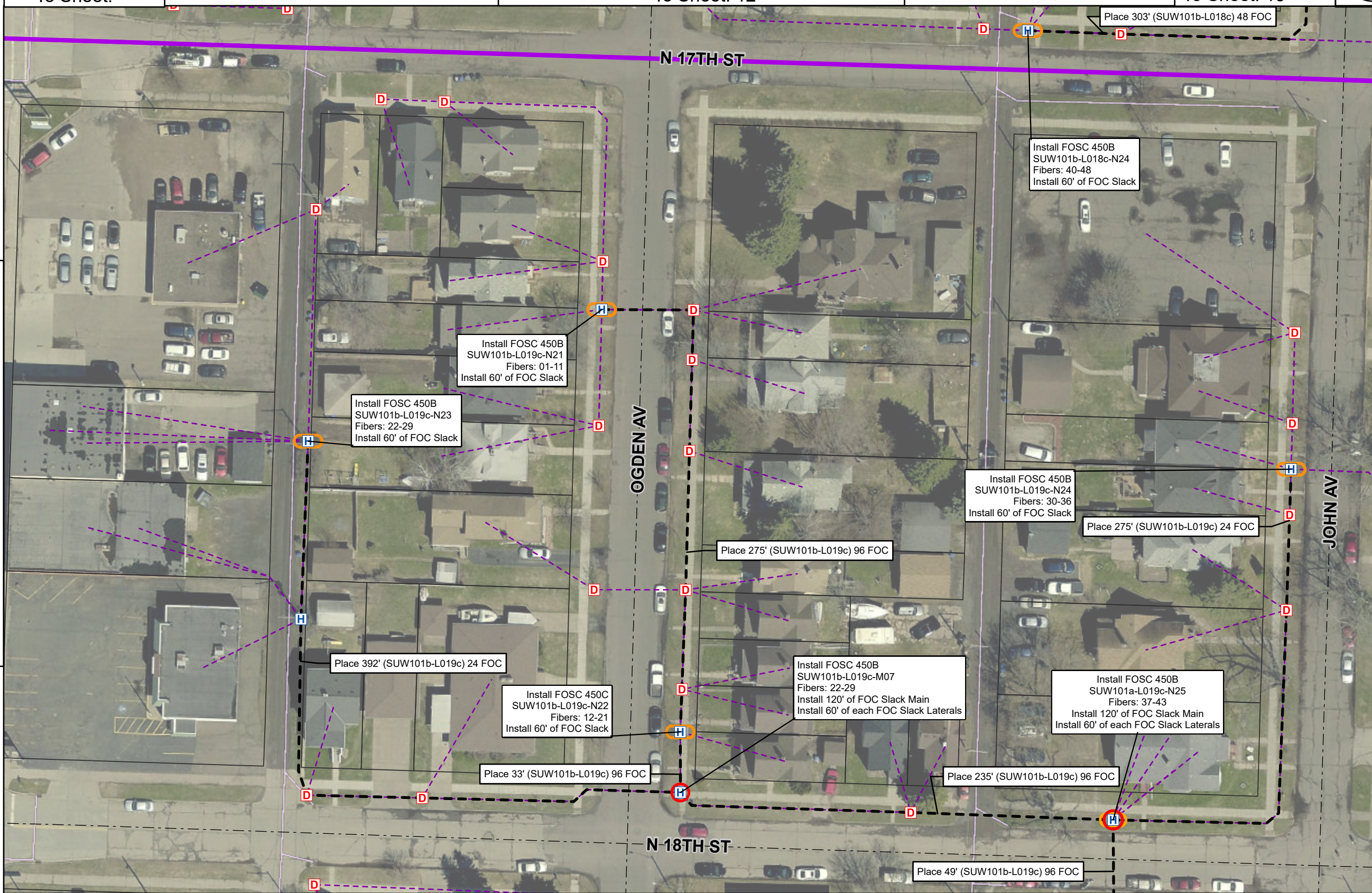
VERTICAL: 1:650

MP TO MP

SHEET 17 OF 34

To Sheet:

To Sheet: 18



To Sheet: 34

To Sheet: 22

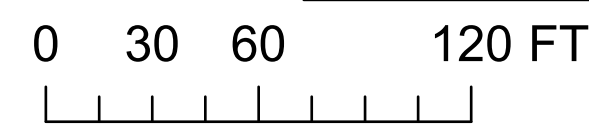
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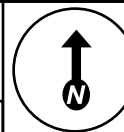
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DOUGLAS COUNTY



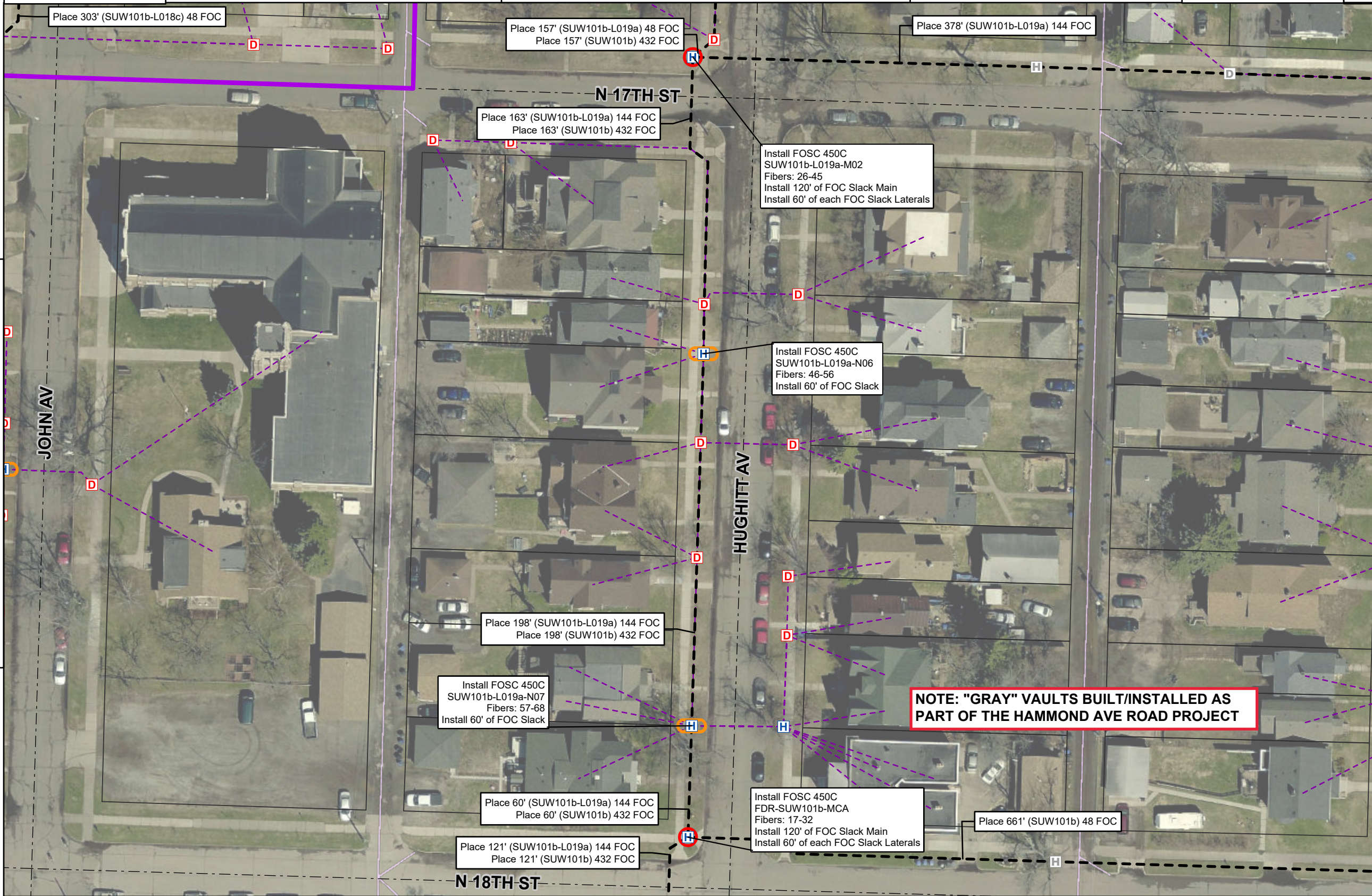
To Sheet: 12

To Sheet: 13

To Sheet: 14

To Sheet: 17

To Sheet: 19



Pilot

EN COMMUNICATIONS  
**CONSTRUCTION MAP**

TITLE: FIBER OPTIC CABLE ROUTE  
FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
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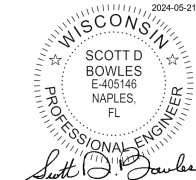
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ENGINEER: JD

DRAWN BY: AG

REVISIONS

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HORIZONTAL: 1:650

VERTICAL: 1:650

MP TO MP

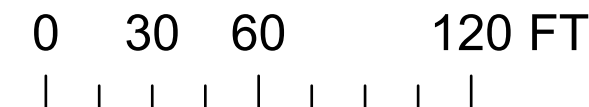
SHEET 18 OF 34

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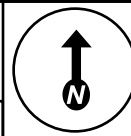
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SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



To Sheet: 13

To Sheet: 14

To Sheet: 15

Pilot

EN COMMUNICATIONS  
**CONSTRUCTION MAP**

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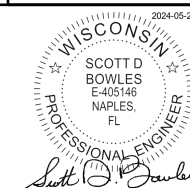
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DRAWN BY: AG

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DATE	DESCRIPTION	INITIAL
05-21-2024	Fiber - Pilot V0	JW



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SCALE

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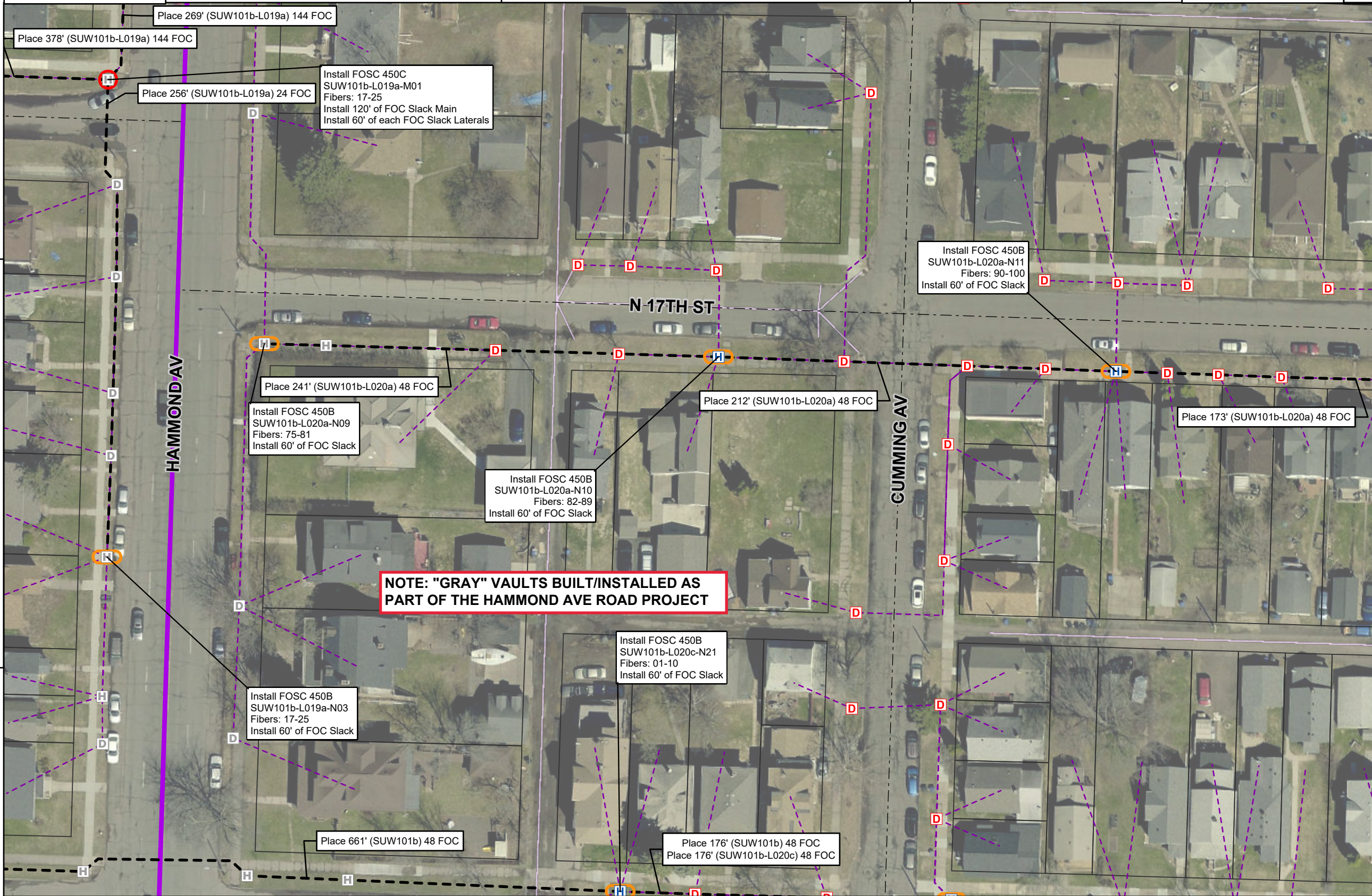
VERTICAL: 1:650

MP TO MP

SHEET 19 OF 34

To Sheet: 18

To Sheet: 20



To Sheet: 23

To Sheet: 24

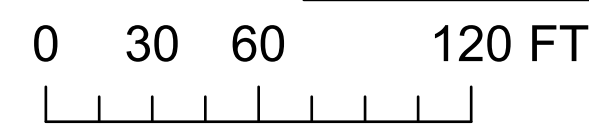
To Sheet: 25

\*\*\*\* NOTE \*\*\*\*  
CONDUIT SHOULD BE PLACED  
IN THE PUE WHERE AVAILABLE

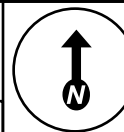
CAUTION!!!  
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\*\*\*\* NOTE \*\*\*\*  
ALL CONDUIT TO BE PLACED AT  
36" MINIMUM DEPTH UNLESS NOTED



SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



To Sheet: 14

To Sheet: 15

To Sheet: 16



To Sheet: 19

To Sheet: 21

To Sheet: 24

To Sheet: 25

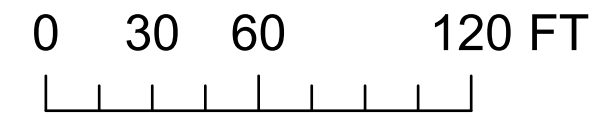
To Sheet: 26

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Pilot

**EN COMMUNICATIONS**

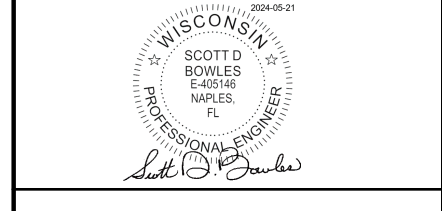
**CONSTRUCTION MAP**

TITLE: FIBER OPTIC CABLE ROUTE

FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

DATE: 05/21/24  
ENGINEER: JD  
DRAWN BY: AG

REVISIONS		
DATE	DESCRIPTION	INITIAL
05-21-2024	Fiber - Pilot V0	JW

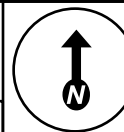


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SCALE	
HORIZONTAL:	1:650
VERTICAL:	1:650
MP	TO MP
SHEET 20	OF 34

SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



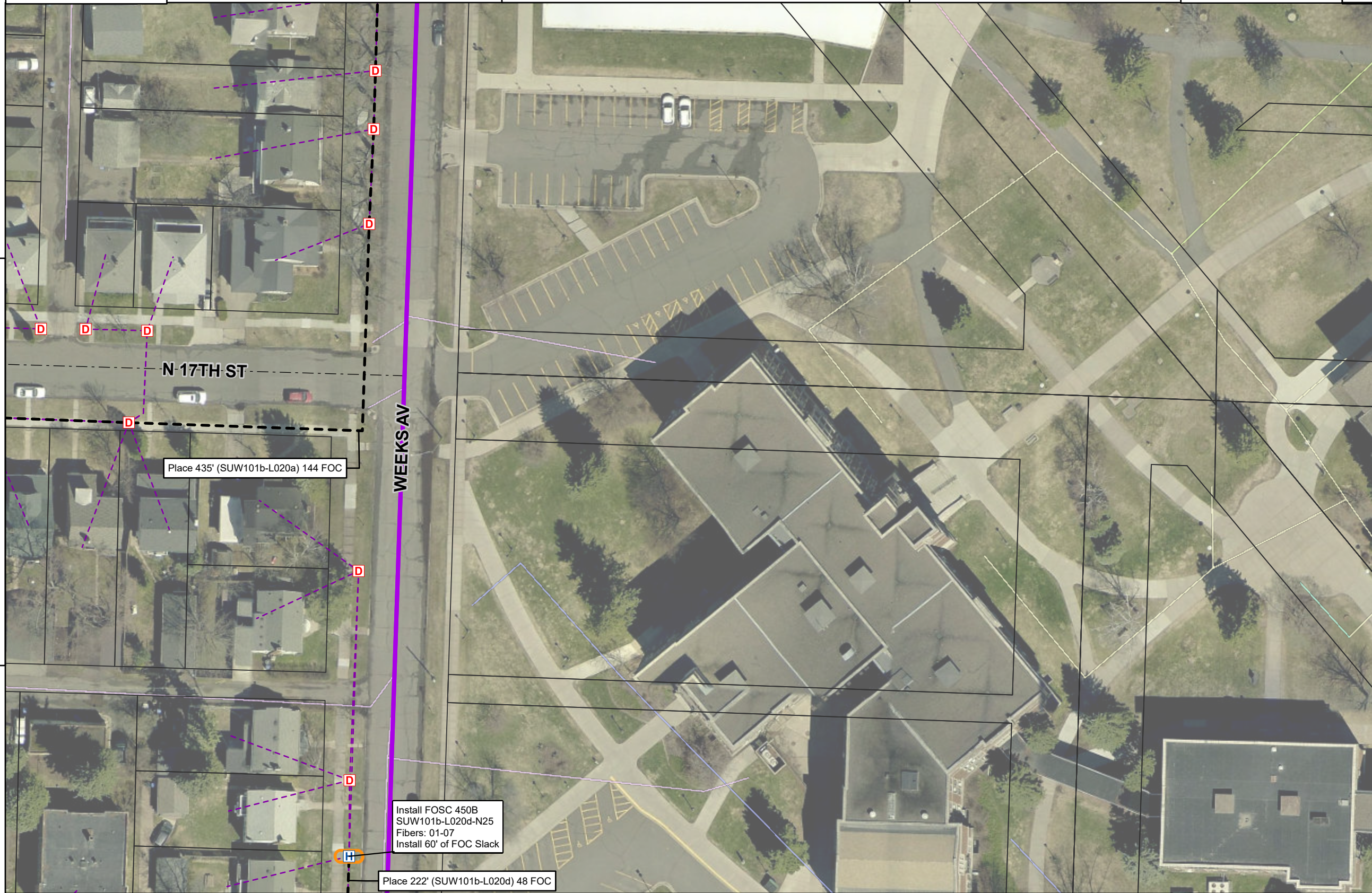
To Sheet: 15

To Sheet: 16

To Sheet:

To Sheet: 20

To Sheet:



To Sheet: 25

To Sheet: 26

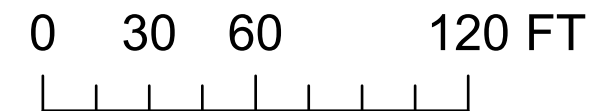
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Pilot

EN COMMUNICATIONS  
**CONSTRUCTION MAP**

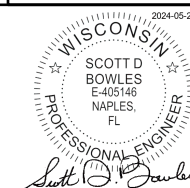
TITLE: FIBER OPTIC CABLE ROUTE  
FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

DATE: 05/21/24

ENGINEER: JD

DRAWN BY: AG

REVISIONS		
DATE	DESCRIPTION	INITIAL
05-21-2024	Fiber - Pilot V0	JW

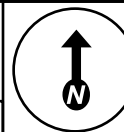


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SCALE	
HORIZONTAL:	1:650
VERTICAL:	1:650
MP	TO MP
SHEET 21	OF 34

SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



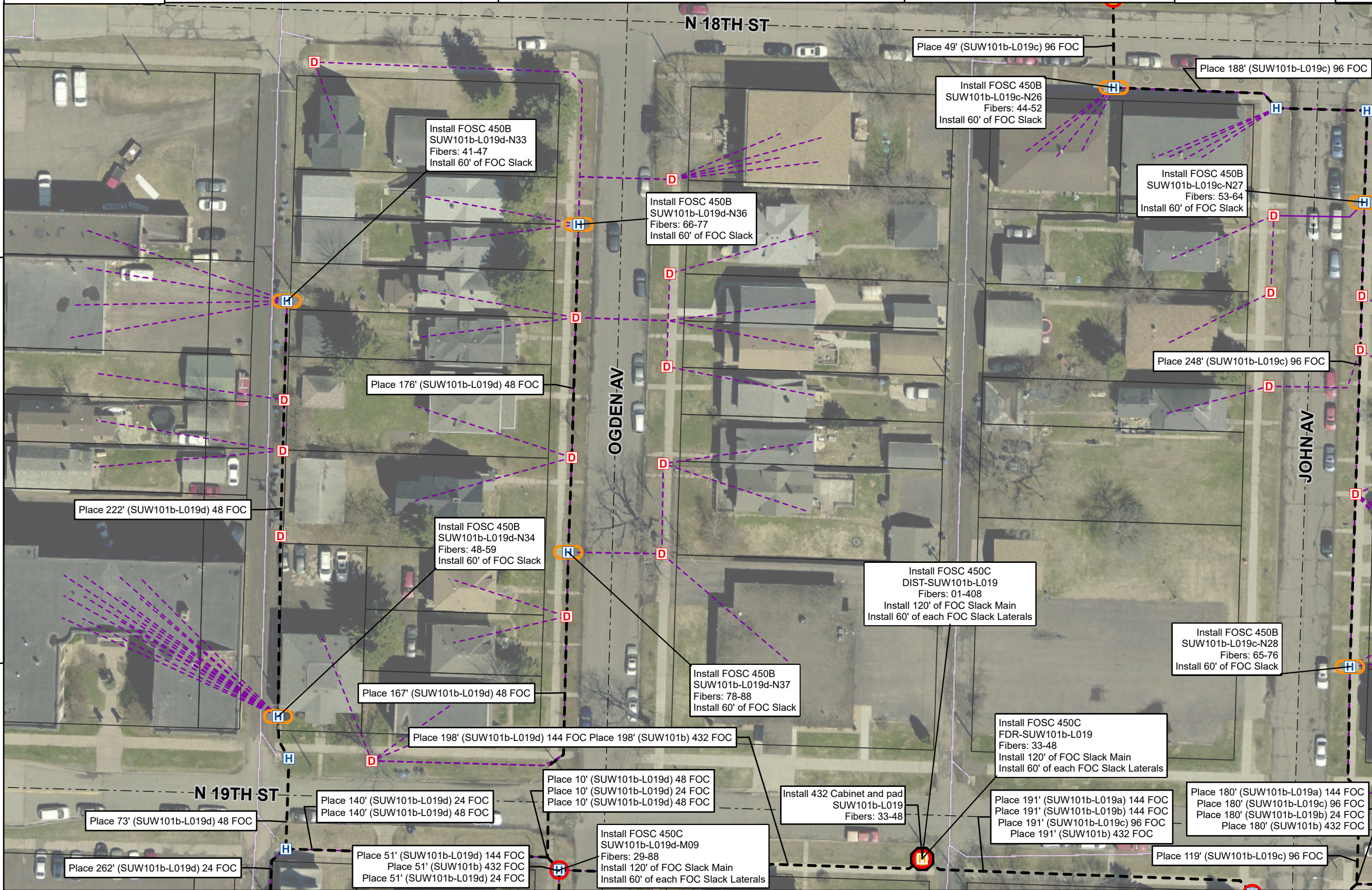
To Sheet:

To Sheet: 17

To Sheet: 18

To Sheet: 34

To Sheet: 23



To Sheet:

To Sheet: 27

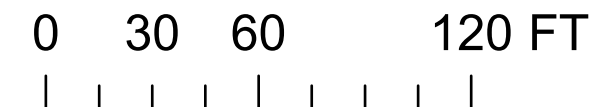
To Sheet: 28

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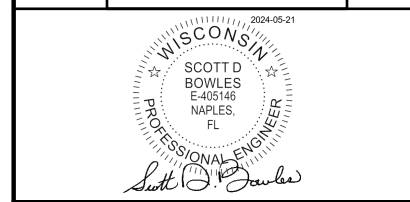


Pilot

EN COMMUNICATIONS  
**CONSTRUCTION MAP**  
TITLE: FIBER OPTIC CABLE ROUTE  
FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

DATE: 05/21/24  
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DRAWN BY: AG

REVISIONS		
DATE	DESCRIPTION	INITIAL
05-21-2024	Fiber - Pilot V0	JW

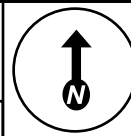


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SCALE	
HORIZONTAL:	1:650
VERTICAL:	1:650
MP	TO MP
SHEET 22	OF 34

SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



To Sheet: 17

To Sheet: 18

To Sheet: 19

Pilot

EN COMMUNICATIONS  
**CONSTRUCTION MAP**

TITLE: FIBER OPTIC CABLE ROUTE  
FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

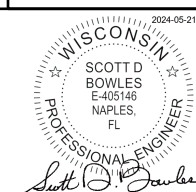
DATE: 05/21/24

ENGINEER: JD

DRAWN BY: AG

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DATE	DESCRIPTION	INITIAL
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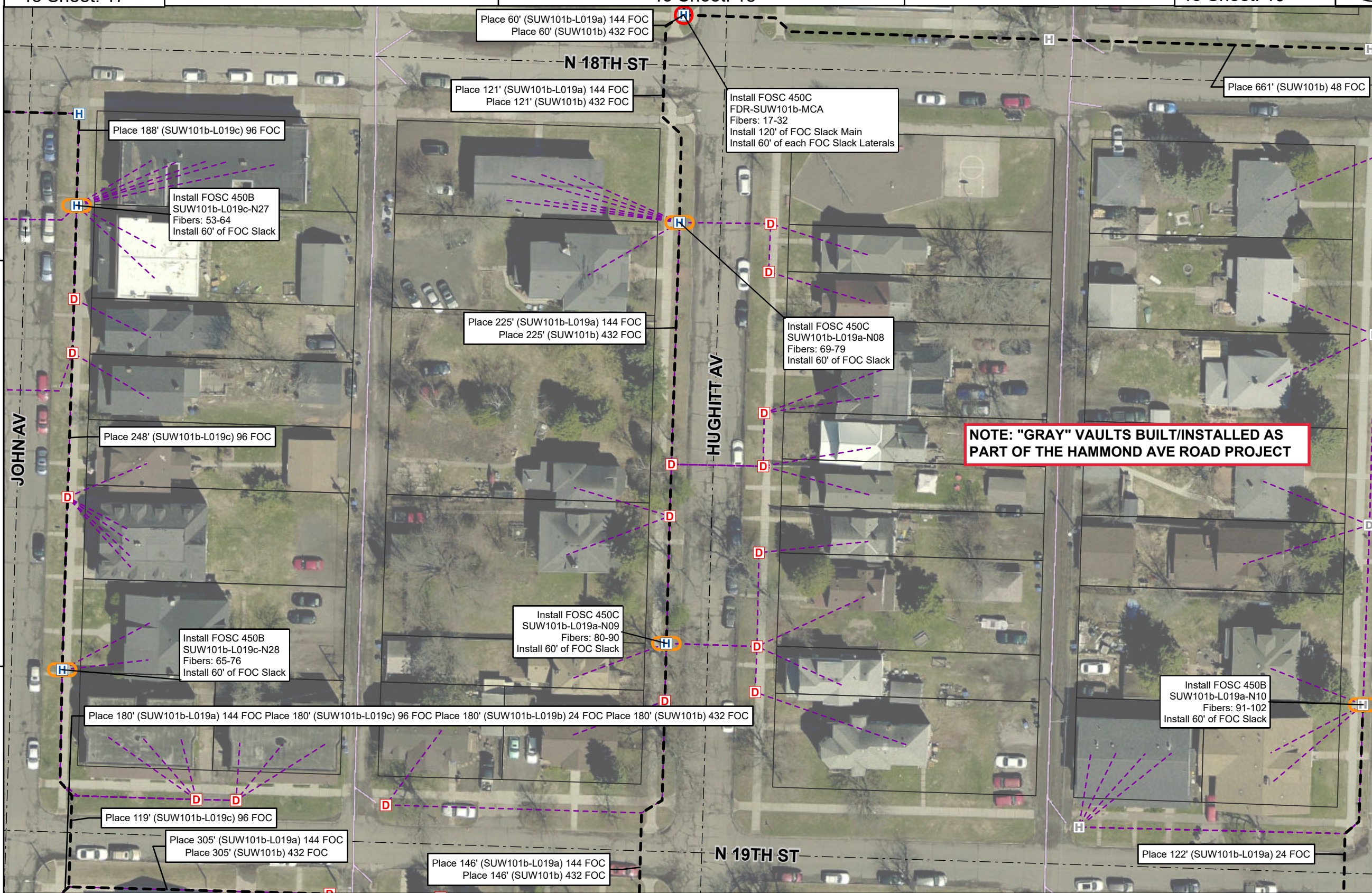
SCALE

HORIZONTAL: 1:650

VERTICAL: 1:650

MP TO MP

SHEET 23 OF 34



To Sheet: 22

To Sheet: 24

To Sheet: 27

To Sheet: 28

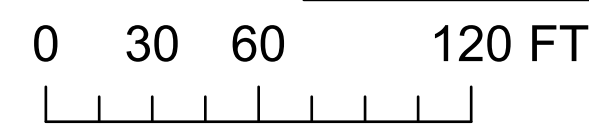
To Sheet: 29

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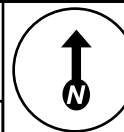
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DOUGLAS COUNTY



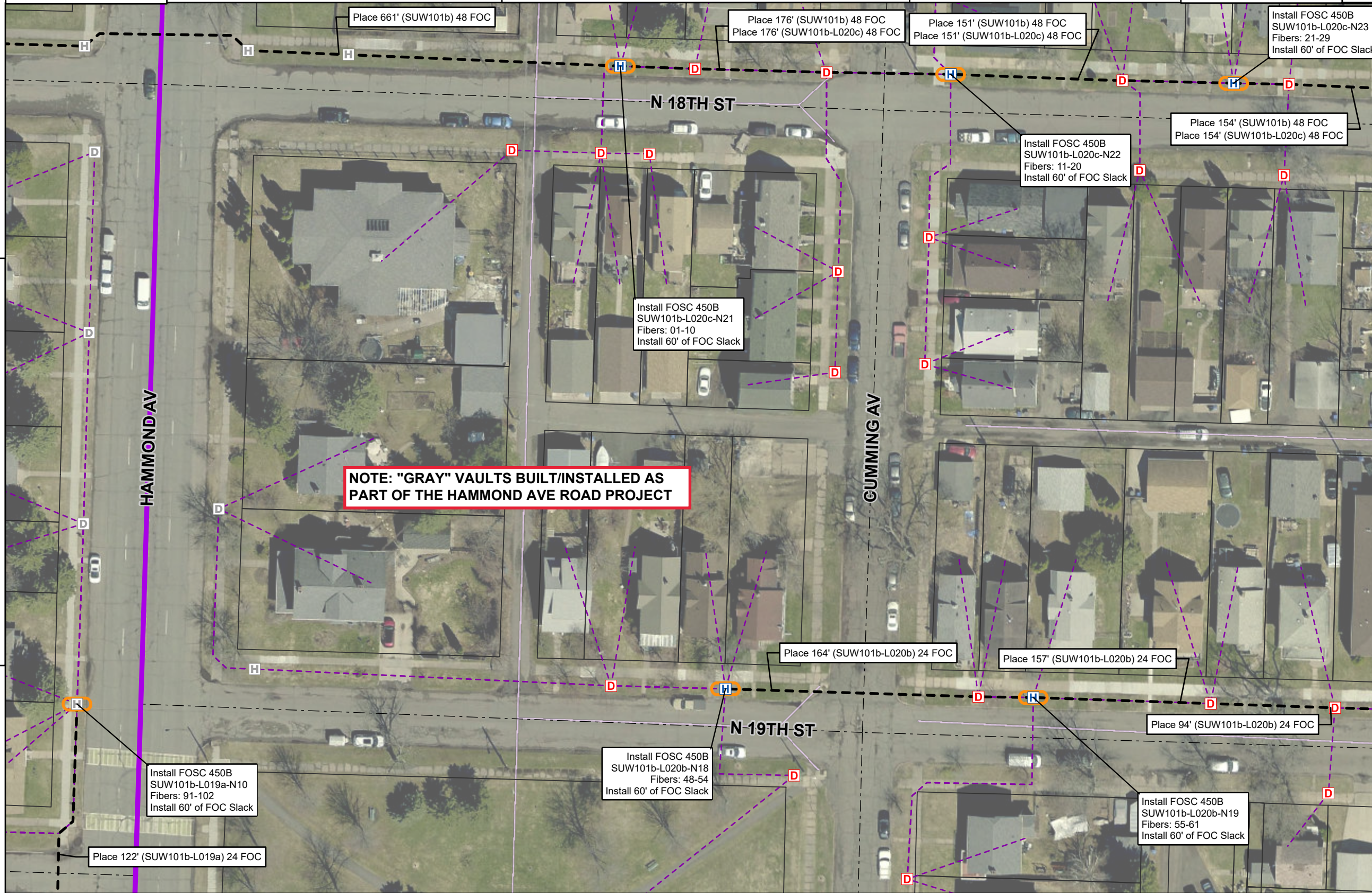
To Sheet: 18

To Sheet: 19

To Sheet: 20

To Sheet: 23

To Sheet: 25



**NOTE: "GRAY" VAULTS BUILT/INSTALLED AS PART OF THE HAMMOND AVE ROAD PROJECT**

Pilot

EN COMMUNICATIONS  
**CONSTRUCTION MAP**

TITLE: FIBER OPTIC CABLE ROUTE  
FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

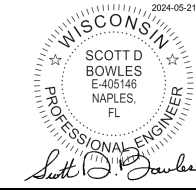
DATE: 05/21/24

ENGINEER: JD

DRAWN BY: AG

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DATE	DESCRIPTION	INITIAL
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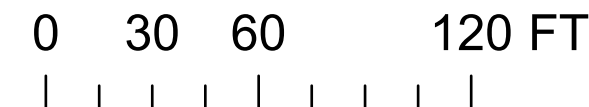
HORIZONTAL:	1:650
VERTICAL:	1:650
MP	TO MP
SHEET 24	OF 34

\*\*\*\* NOTE \*\*\*\*  
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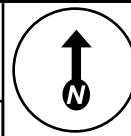
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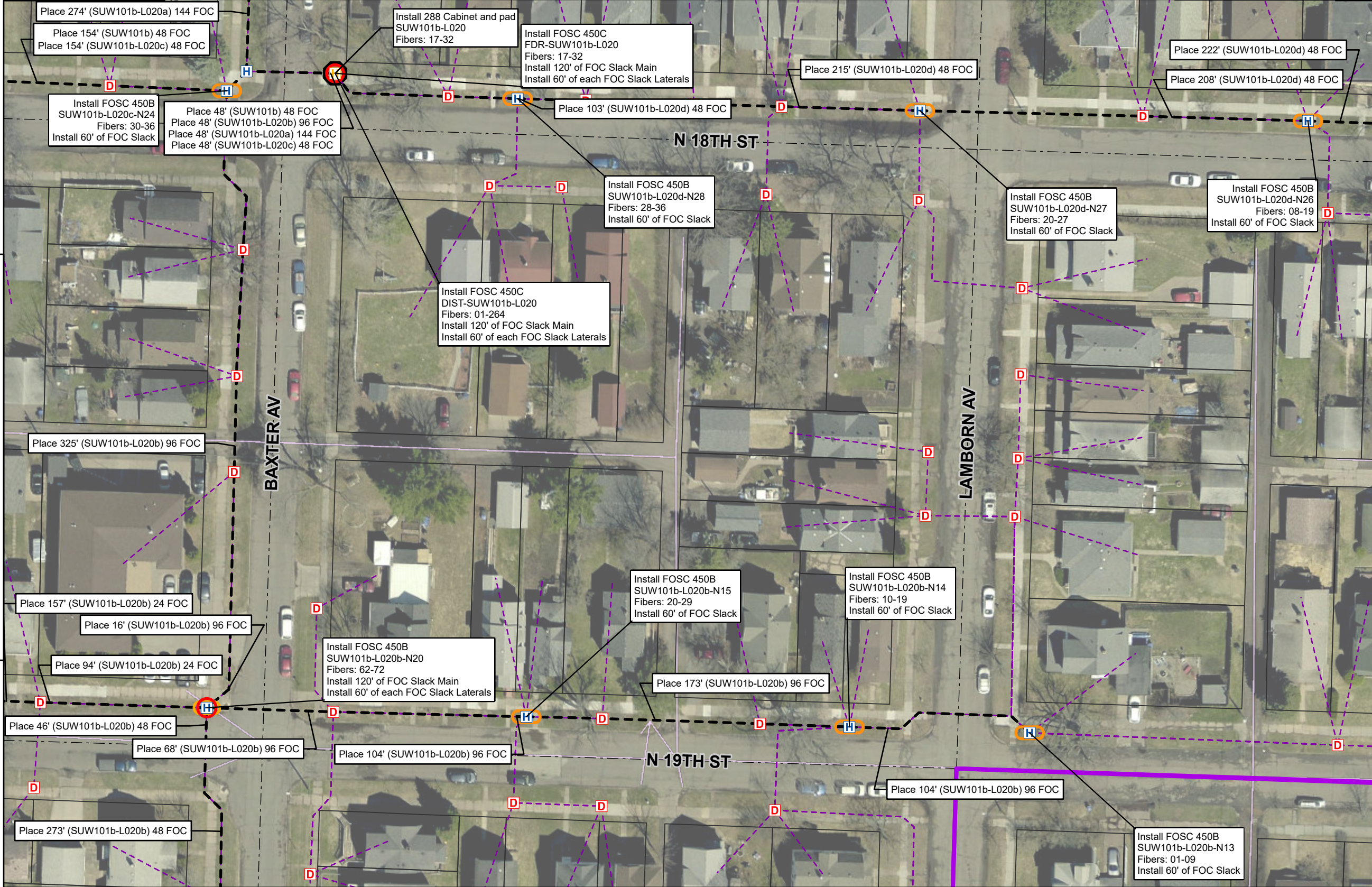
SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



To Sheet: 19

To Sheet: 20

To Sheet: 21



To Sheet: 24

To Sheet: 26

To Sheet: 29

To Sheet: 30

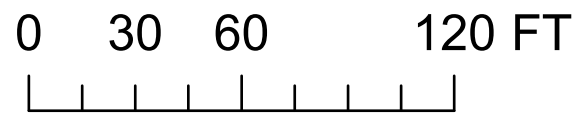
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Pilot

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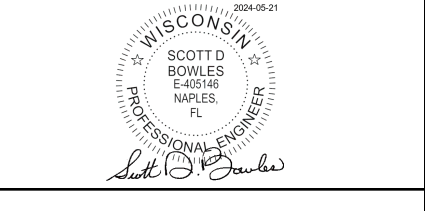
**CONSTRUCTION MAP**

TITLE: FIBER OPTIC CABLE ROUTE

FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

DATE: 05/21/24  
ENGINEER: JD  
DRAWN BY: AG

REVISIONS		
DATE	DESCRIPTION	INITIAL
05-21-2024	Fiber - Pilot V0	JW

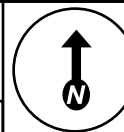


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SCALE	
HORIZONTAL:	1:650
VERTICAL:	1:650
MP	TO MP
SHEET 25	OF 34

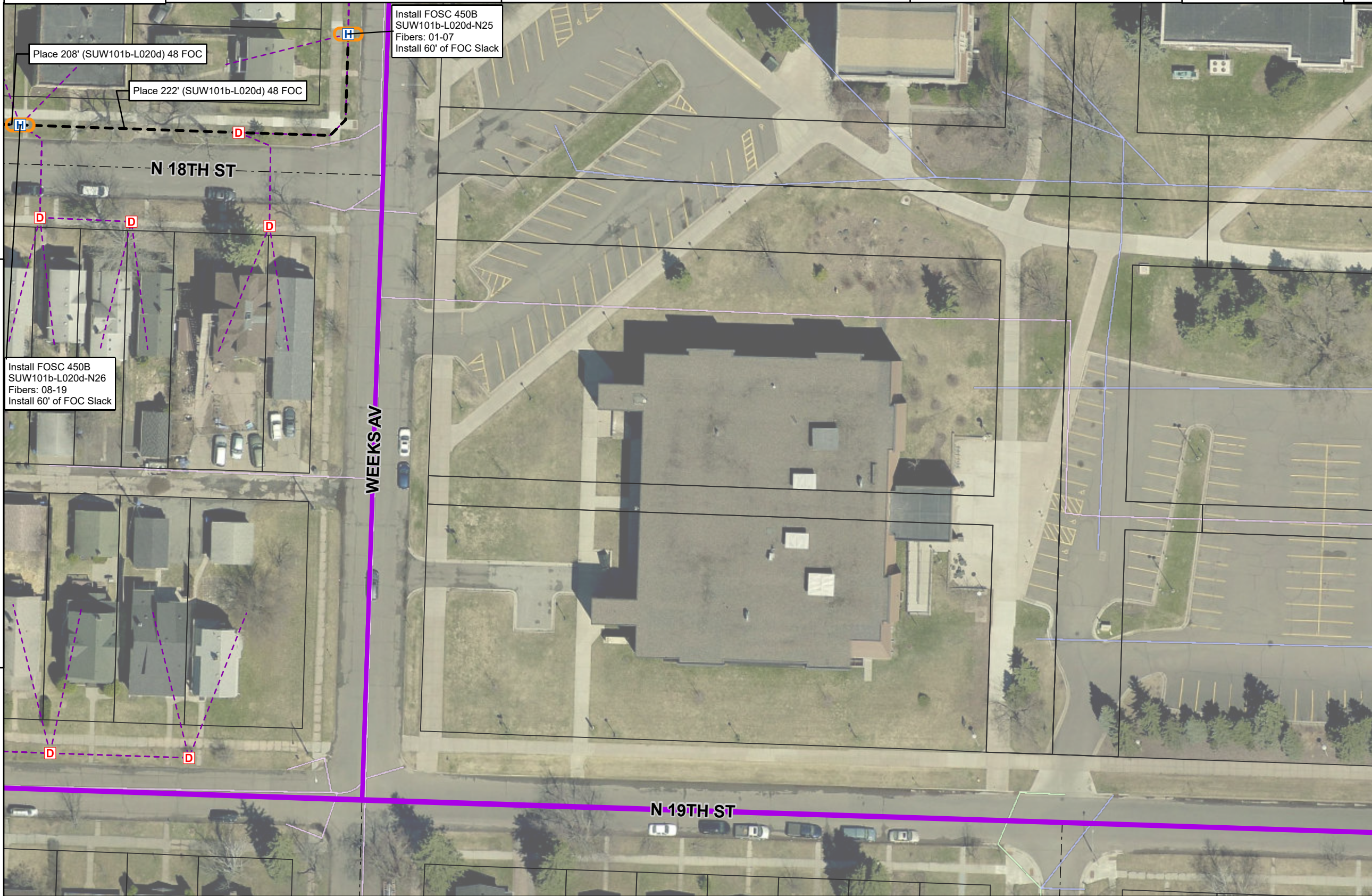
SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



To Sheet: 20

To Sheet: 21

To Sheet:



To Sheet: 25

To Sheet:

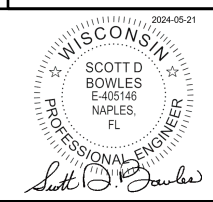
Pilot

EN COMMUNICATIONS  
**CONSTRUCTION MAP**

TITLE: FIBER OPTIC CABLE ROUTE  
FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

DATE: 05/21/24  
ENGINEER: JD  
DRAWN BY: AG

REVISIONS		
DATE	DESCRIPTION	INITIAL
05-21-2024	Fiber - Pilot V0	JW



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SCALE	
HORIZONTAL:	1:650
VERTICAL:	1:650
MP	TO MP
SHEET 26	OF 34

To Sheet: 30

To Sheet:

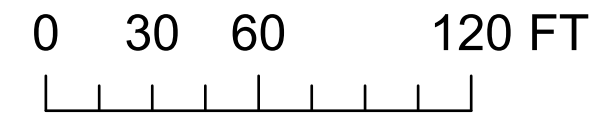
To Sheet:

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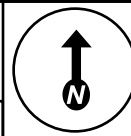
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SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



To Sheet: 34

To Sheet: 22

To Sheet: 23

To Sheet:

To Sheet: 28



To Sheet:

To Sheet: 31

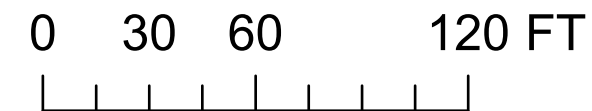
To Sheet: 32

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Pilot

EN COMMUNICATIONS  
**CONSTRUCTION MAP**

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FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

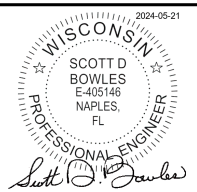
DATE: 05/21/24

ENGINEER: JD

DRAWN BY: AG

REVISIONS

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05-21-2024	Fiber - Pilot V0	JW



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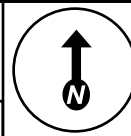
HORIZONTAL: 1:650

VERTICAL: 1:650

MP TO MP

SHEET 27 OF 34

SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



To Sheet: 22

To Sheet: 23

To Sheet: 24

To Sheet: 27

To Sheet: 29



**NOTE: "GRAY" VAULTS BUILT/INSTALLED AS PART OF THE HAMMOND AVE ROAD PROJECT**

Pilot

EN COMMUNICATIONS  
**CONSTRUCTION MAP**

TITLE: FIBER OPTIC CABLE ROUTE  
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CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

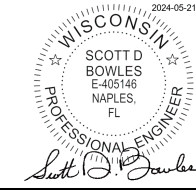
DATE: 05/21/24

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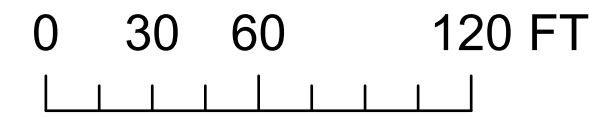
HORIZONTAL:	1:650
VERTICAL:	1:650
MP	TO MP
SHEET 28	OF 34

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IN THE PUE WHERE AVAILABLE

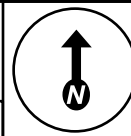
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PRIOR TO CONSTRUCTION

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ALL CONDUIT TO BE PLACED AT  
36" MINIMUM DEPTH UNLESS NOTED



SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



To Sheet: 23

To Sheet: 24

To Sheet: 25

To Sheet: 28

To Sheet: 30



Place 122' (SUW101b-L019a) 24 FOC  
Install FOSC 450C  
SUW101b-L019a-M13  
Fibers: 91-112  
Install 120' of FOC Slack Main  
Install 60' of each FOC Slack Laterals

Place 388' (SUW101b-L019a) 24 FOC Place 388' (SUW101b-L019a) 24 FOC

Place 158' (SUW101b-L019a) 24 FOC

**NOTE: "GRAY" VAULTS BUILT/INSTALLED AS PART OF THE HAMMOND AVE ROAD PROJECT**

Install FOSC 450B  
SUW101b-L019a-N15  
Fibers: 103-112  
Install 60' of FOC Slack

**Built/Installed as part of the Hammond Ave Road Project - OUTSIDE PILOT BUILD - Reference Conduit Prints for more Information**

Install FOSC 450B  
SUW101b-L020b-N17  
Fibers: 39-47  
Install 60' of FOC Slack

Place 142' (SUW101b-L020b) 24 FOC

To Sheet: 32

To Sheet:

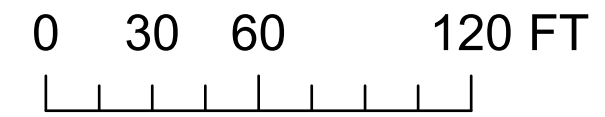
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Pilot

**EN COMMUNICATIONS**

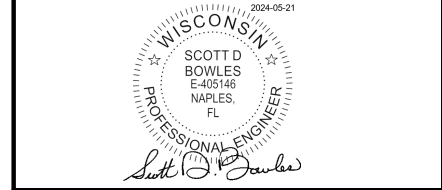
**CONSTRUCTION MAP**

TITLE: FIBER OPTIC CABLE ROUTE

FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

DATE: 05/21/24  
ENGINEER: JD  
DRAWN BY: AG

REVISIONS		
DATE	DESCRIPTION	INITIAL
05-21-2024	Fiber - Pilot V0	JW

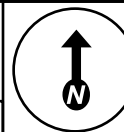


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SCALE	
HORIZONTAL:	1:650
VERTICAL:	1:650
MP	TO MP
SHEET 29	OF 34

SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



To Sheet: 24

To Sheet: 25

To Sheet: 26

Pilot

EN COMMUNICATIONS  
**CONSTRUCTION MAP**

TITLE: FIBER OPTIC CABLE ROUTE  
FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

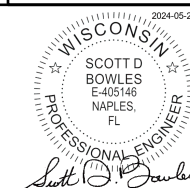
DATE: 05/21/24

ENGINEER: JD

DRAWN BY: AG

REVISIONS

DATE	DESCRIPTION	INITIAL
05-21-2024	Fiber - Pilot V0	JW



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SCALE

HORIZONTAL: 1:650

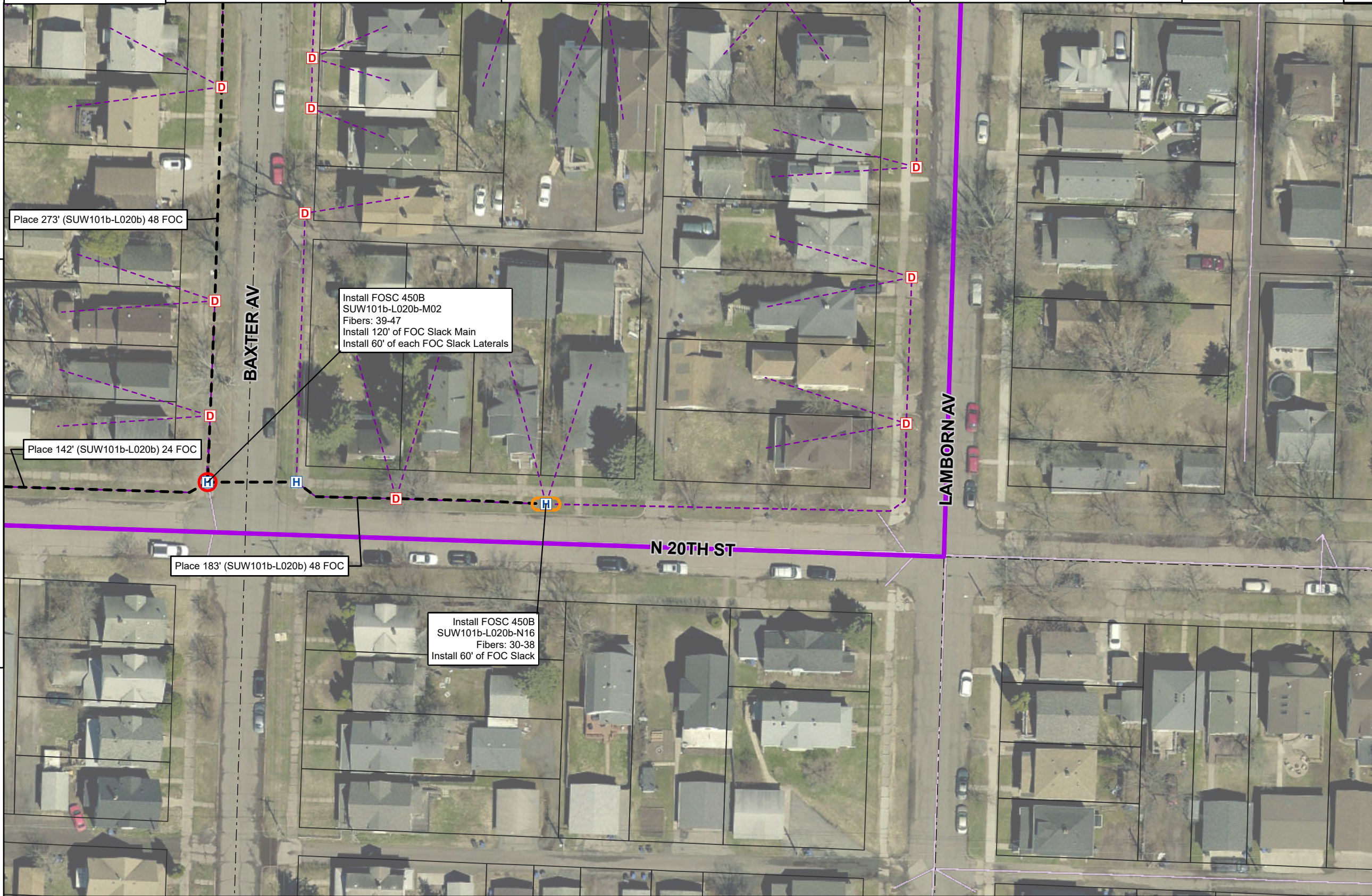
VERTICAL: 1:650

MP TO MP

SHEET 30 OF 34

To Sheet: 29

To Sheet:



To Sheet:

To Sheet:

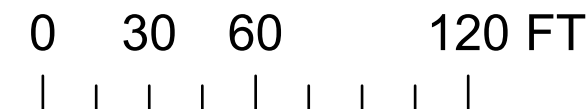
To Sheet:

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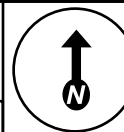
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SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



To Sheet:

To Sheet: 27

To Sheet: 28

To Sheet:

To Sheet: 32



Pilot

EN COMMUNICATIONS  
**CONSTRUCTION MAP**

TITLE: FIBER OPTIC CABLE ROUTE  
FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

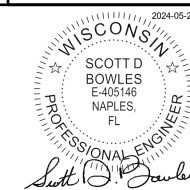
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REVISIONS

DATE	DESCRIPTION	INITIAL
05-21-2024	Fiber - Pilot V0	JW



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SCALE

HORIZONTAL: 1:650

VERTICAL: 1:650

MP TO MP

SHEET 31 OF 34

To Sheet:

To Sheet:

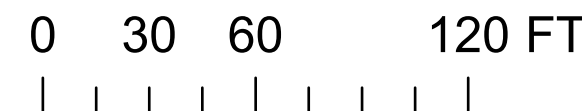
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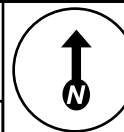
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SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



To Sheet: 27

To Sheet: 28

To Sheet: 29

To Sheet: 31

To Sheet: 33



Place 186' (SUW101b-L019b) 24 FOC

Install FOSC 450B  
SUW101b-L019b-N18  
Fibers: 69-80  
Install 60' of FOC Slack

HUGHITT AV

N 20TH ST

**NOTE: "GRAY" VAULTS BUILT/INSTALLED AS PART OF THE HAMMOND AVE ROAD PROJECT**

Install FOSC 450C  
SUW101b-L019b-N11  
Fibers: 01-12  
Install 60' of FOC Slack

Place 312' (SUW101b-L019b) 144 FOC

Install FOSC 450C  
SUW101b-L019b-N12  
Fibers: 13-23  
Install 60' of FOC Slack

Place 582' (SUW101b-L019b) 144 FOC

N 21ST ST

To Sheet:

To Sheet:

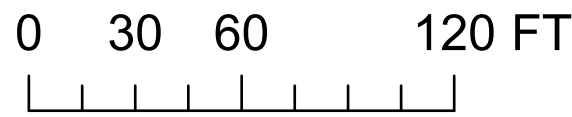
To Sheet:

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Pilot

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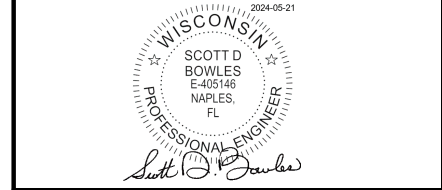
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FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

DATE: 05/21/24  
ENGINEER: JD  
DRAWN BY: AG

REVISIONS		
DATE	DESCRIPTION	INITIAL
05-21-2024	Fiber - Pilot V0	JW



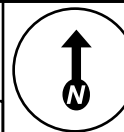
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SCALE	
HORIZONTAL:	1:650
VERTICAL:	1:650
MP	TO MP
SHEET 32	OF 34



SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



To Sheet: 28

To Sheet: 29

To Sheet: 30



Pilot

EN COMMUNICATIONS

CONSTRUCTION MAP

TITLE: FIBER OPTIC CABLE ROUTE

FTTH OUTSIDE PLANT  
CITY OF SUPERIOR, WISCONSIN  
PRELIMINARY - FOR REVIEW

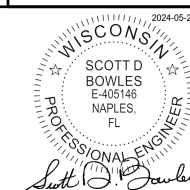
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SCALE

HORIZONTAL: 1:650

VERTICAL: 1:650

MP TO MP

SHEET 33 OF 34

To Sheet:

To Sheet:

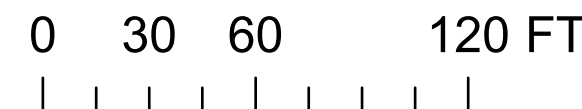
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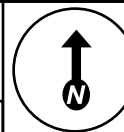
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SUPERIOR, WISCONSIN  
DOUGLAS COUNTY



To Sheet:

To Sheet:

To Sheet: 17

To Sheet:

To Sheet: 22



Built/Installed as part of the Pilot Phase. Reference Conduit prints for more information

Pilot

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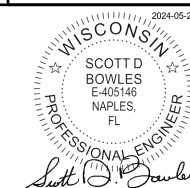
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FTTH OUTSIDE PLANT  
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MP	TO MP
SHEET 34	OF 34

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