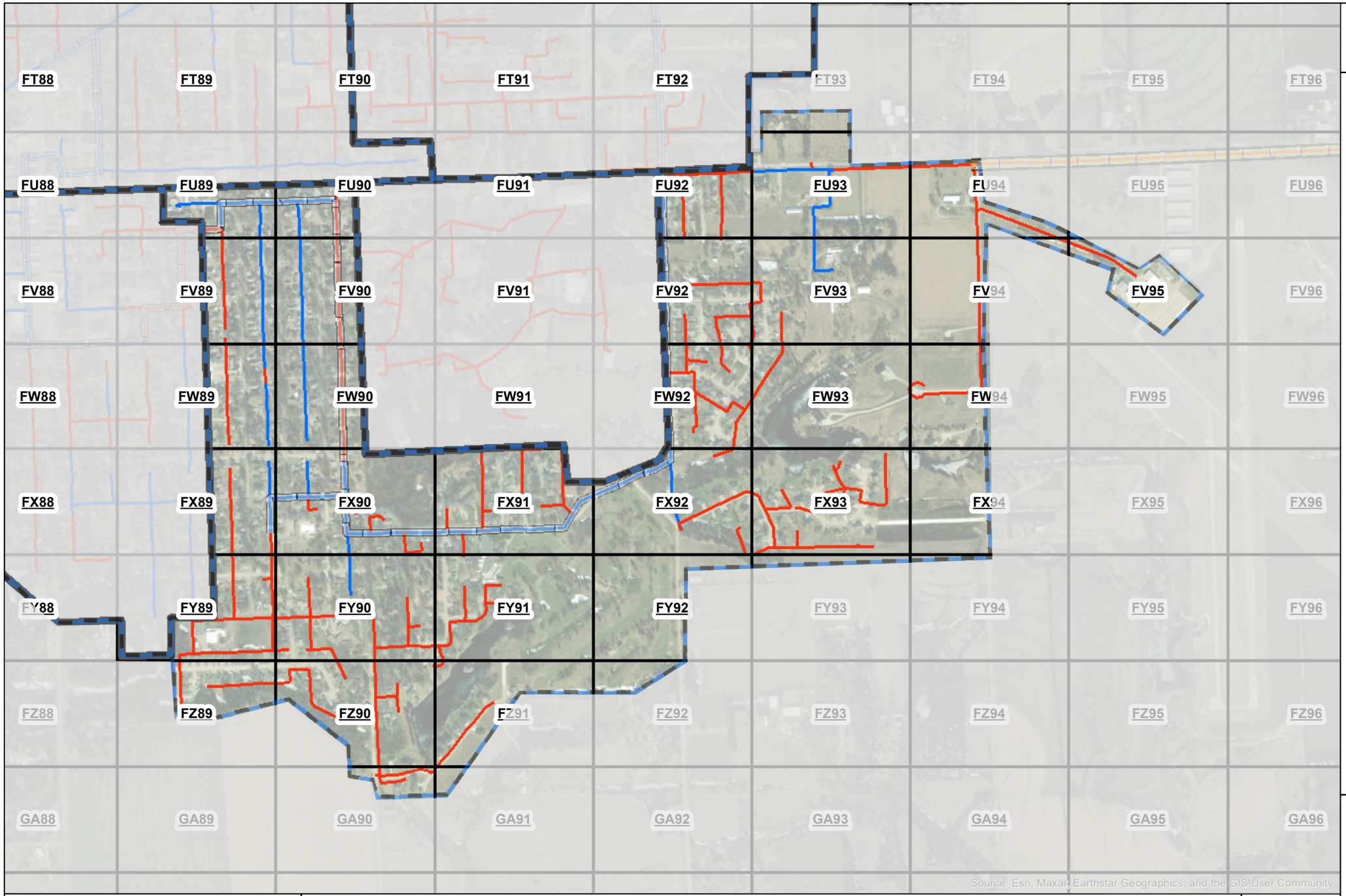

PON: CRE-01-04

DCR: DCR-187

PERMIT:	
LEGEND	Date: 5/2/2023

PON

Cable Category

Backbone

Feeder

ROUTE

Underground

Aerial

Note: "For clarity and simplicity, Sheets with no conduit (edges particularly) are not shown"

Allo FIBER

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Notes:Typical phasing is starting at the top left grid (FU89) and moving to the bottom right grid (FZ91).
All proposed conduit in ROW, unless otherwise noted.

Revisions:

N

1 in = 843 ft

ROW CONSTRUCTION PROJECT NOTES

1. The City shall be notified a minimum of forty eight (48) hours in advance of initial project construction.

2. The contractor shall adhere to the current City standard specifications, approved special provisions, City standard plans, right-of-way construction procedures manual.

3. The locations of all aerial and underground utility facilities may not be indicated on the project plans. The contractor is required to contact the One Call 811 notification center (dial 811) forty-eight (48) hours prior to working in the city right of way. No excavation will be permitted in the area of the underground utilities until all facilities have been located and identified to the satisfaction of all parties. The contractor shall be responsible for protection of all underground and aerial utilities and infrastructure.

4. Whenever underground facilities are in close proximity to the proposed pathway location or whenever the vertical location of the underground facility is unknown, the permittee shall use special measures to determine the locations of such underground facilities.

   a. If the permittee is conducting the excavation by digging from the surface, when in a close proximity to the underground facilities, the permittee shall use hand digging, hydro excavating, air excavating, or any other techniques that are approved by the City to locate such facility.
   b. If the permittee is conducting the excavation by tunneling or boring, the permittee shall determine the vertical location of the underground facility by potholing or any other method approved by the City.

5. Project plans shall dimension new facilities being installed. Measurements shall be taken from existing adjacent visible structures (curbs, poles, cabinets, manholes, inlets, fire hydrants, etc.) clearly identifying location of such facility. The contractor shall verify dimensions taken from city files.

6. Unless specified on the plan sets, the depth of installed facilities in city row shall be at a minimum as follows.

   a. Thirty-two (30) inches in soil, if rock present and is an issue twenty-four (24) inches can be used.

   b. Forty-two (42) inches below a projected slope from the flow line of a ditch at a three (3) horizontal and one (1) vertical slope.

   c. Forty-eight (48) inches under a roadway measured from the surface of said roadway to the top of the installation.

   d. Forty-eight (48) inches under a storm water or creek channel design bottom of pipe, and

   e. Maintain a minimum of twenty-four (24) inches of vertical and horizontal spacing from existing utilities.

   f. Be located as far from the existing or proposed curb line as possible to avoid potential future conflicts.

7. All potholes in sidewalk panels will be filled unless directed by City inspector. If colored, textured or patterned concrete is existing, replacement patches, and panels panels will be replaced to match as practicable. Owner may be required to put money into escrow to cover all repairs prior to starting work.

8. All non-street surface materials that are disturbed by excavation and backfilling operations shall be replaced and restored.

9. City street surface materials disturbed shall be backfilled, tamped and repaved by city forces or approved paving contractor.

10. All Conduit, vaults and Pedestals shall be located in the public ROW and in public utility easements.

11. All Aerial shown on attached planset will be permitted separately by Pole Owners. All pole permits submitted to pole owners will follow NESC codes.

12. If sidewalk, wheel chair ramps or any portion of the pedestrian facilities are removed or closed, a pedestrian detour shall be established and maintained during the time of the closure and the entire pedestrian facility shall be restored within seventy-two (72) hours, unless the contractor provides a hard surface alternate route approved by the city.

13. All pedestrian detours and any reconstruction of pedestrian facilities shall meet current Americans with Disability Act (ADA) standards and specifications.

14. All pedestrian detours shall be part of an approved Traffic Control Plan (TCP).

15. All holes made in city pavements for the purpose of performing vacuum excavations to locate underground utilities shall be restored to their original condition with the reinstated core flush with and in the original orientation as the existing surface matching existing pavement surface appearance.

16. When the contractor is not actively working, all equipment, fencing, debris, etc, shall not be placed within the triangular area required for sight distance of vehicles exiting or entering an adjacent property or intersection.

17. All excavations shall be adequately fenced and covered when contractor is not present or project site left unattended.

18. No lane closures allowed on arterial streets during AM and PM peak hours unless approved by City Traffic and Right of Way Construction section(s) staff.

19. All work zone traffic control, including pedestrian control measures, shall be in compliance with the MUTCD, ADA, and the City Standard Specifications.

20. The contractor shall notify all affected owners of adjacent properties a minimum of forty-eight (48) hours prior to beginning of construction and provide updates to the affected owners when construction phases change that affect the areas of work associated with the permit.

21. The contractor shall maintain a set of "as built" plans on site with dimensioning. These plans shall be presented upon request to any city representative.

22. A current city right of way construction permit and city approved plan set shall be maintained on each work site by the contractor. The contractor shall present such permit and plan set upon request to any city representative.

23. Any field adjustments to installation of facilities, which vary from the plans that have been submitted and approved during the permit application process, shall comply with the following:

   a. The contractor must stop work immediately and contract the facility owner.

   b. The facility owner's representative shall contact the city's construction inspector and provide him with the details

of the proposed changes.

   c. The City inspector will make a determination on how to proceed. This determination may range from approval over the phone or via email to delaying the project until plans can be updated and appropriate review can be conducted.

Special Notes

1. All conduit shall be bored unless specified otherwise.
2. Contractors shall notify land owner prior to work on all private developments.
3. A reminder to the reader. the drawings are scaled, thus dimension is available at all locations.
4. The contractor shall bypass all MST pedestals with distribution conduit where installed parallel to MST conduit. Similarly, bypass the T18 "Flowerpot" with MST conduit where installed parallel to future drop conduit.

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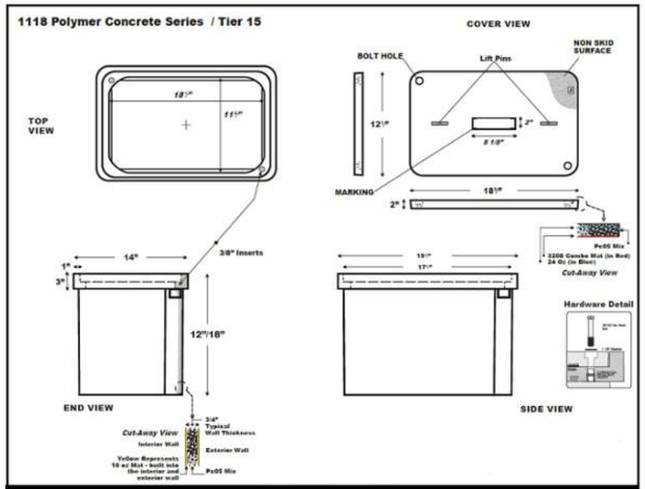
N



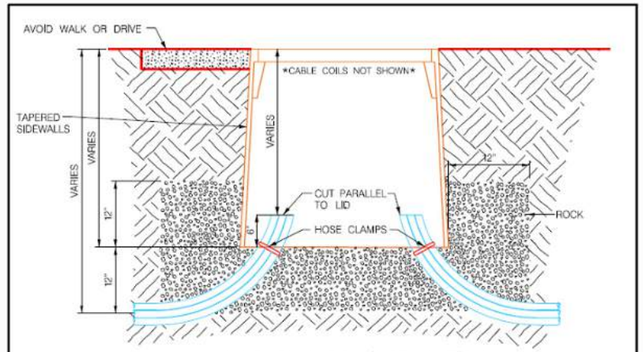
DESCRIPTION	NORMAL SIZE W x L x D	LOAD RATING	ANSI TIER	PART NUMBER
Box & Cover Assembly	12" x 18" x 18"	60lbS	15	1118

ALLO PULL BOX

NOTES:

T18

1. ALLO PULL BOX SHALL HAVE 2 PIECE COVER
2. ALLO PULL BOX SHALL BE LABELED "FIBER OPTICS"



ALLO PULL BOX INSTALLATION

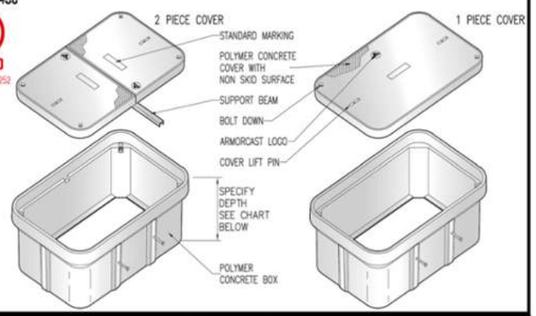
NOTES:

1. AT ALL CABLE PULLING LOCATIONS, COIL 60' OF EACH FIBER CABLE (MST TAILS EXCLUDED)

POLYMER CONCRETE ARMORCAST PRODUCTS COMPANY

A6001430

UL LISTED FILE #E364252



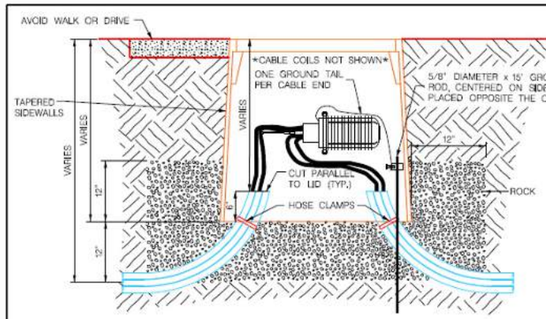
DESCRIPTION	NORMAL SIZE W x L x D	LOAD RATING	ANSI TIER	PART NUMBER
Box & Cover Assembly	30" x 48" x 36"	20K	15	A6001430TAPCX36

ALLO SPLICE VAULT AND CITY T48 PULL BOX

NOTES:

T48

1. ALLO SPLICE VAULT SHALL HAVE 1 PIECE COVER
2. CITY T48 PULL BOX SHALL HAVE 2 PIECE COVER
3. ALLO SPLICE VAULT SHALL BE LABELED "FIBER OPTICS"
4. CITY T48 PULL BOX SHALL BE LABELED "FIBER"



ALLO SPLICE VAULT INSTALLATION

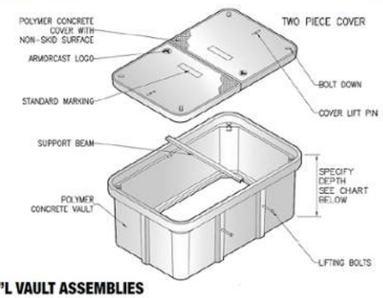
NOTES:

1. AT ALL SPLICE VAULTS, COIL 75' OF EACH FIBER CABLE TAIL AND 50' OF EACH MST TAIL.

POLYMER CONCRETE ARMORCAST PRODUCTS COMPANY

A6001436

UL LISTED FILE #E364252



36"W x 60"L VAULT ASSEMBLIES

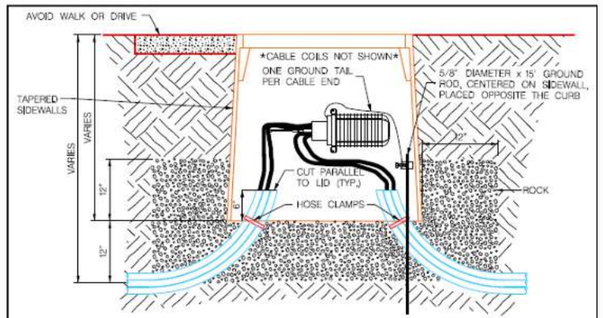
DESCRIPTION	NORMAL SIZE W x L x D	LOAD RATING	ANSI TIER	PART NUMBER
Box & Cover Assembly	36" x 60" x 36"	20K	15	A6001436TAPCX36

ALLO MAINTENANCE VAULT

NOTES:

T60

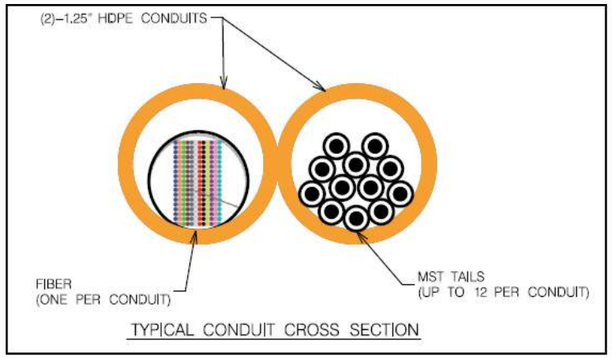
1. ALLO MAINTENANCE VAULT SHALL HAVE 2 PIECE COVER
2. ALLO MAINTENANCE VAULT SHALL BE LABELED "FIBER OPTICS"



ALLO MAINTENANCE VAULT INSTALLATION

NOTES:

1. AT ALL MAINTENANCE VAULTS, COIL 75' OF EACH FIBER CABLE (MST TAILS EXCLUDED).



TYPICAL CONDUIT CROSS SECTION

Typicals

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

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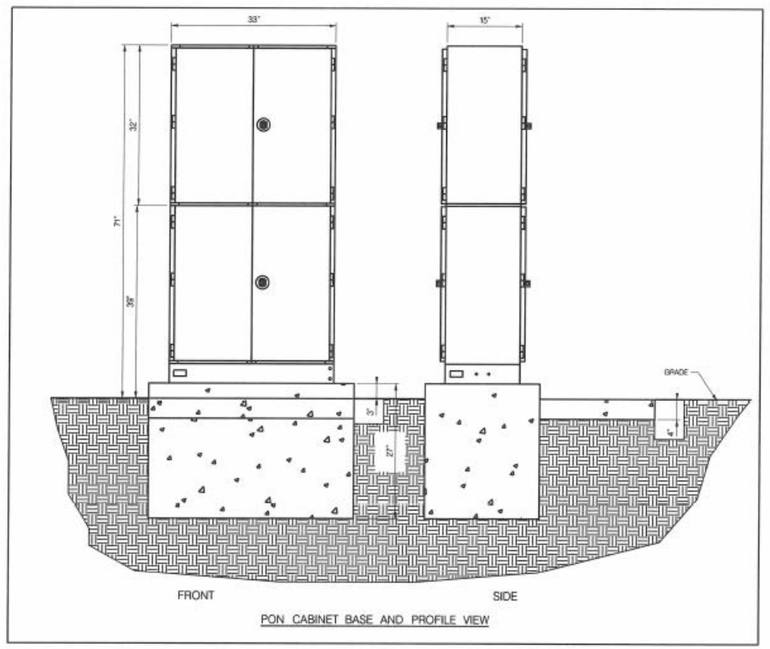
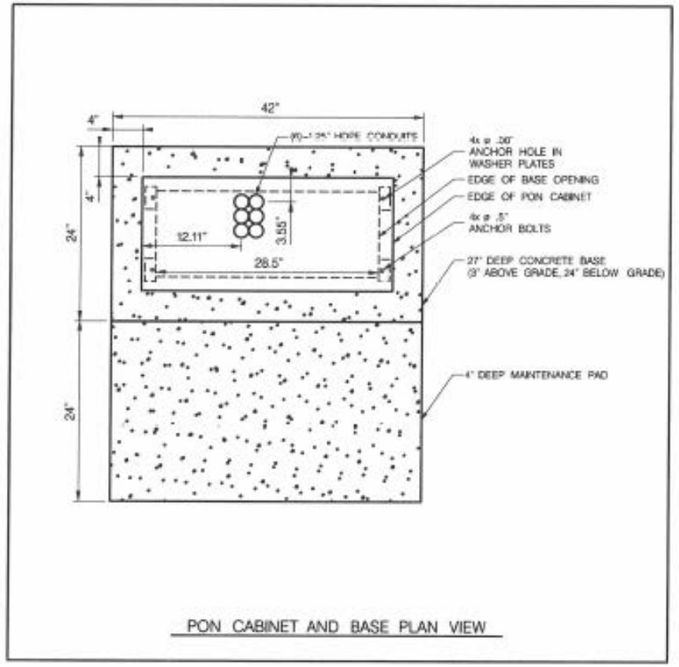


PON CABINET BASE AND PROFILE VIEW



PON CABINET AND BASE PLAN VIEW

Typicals

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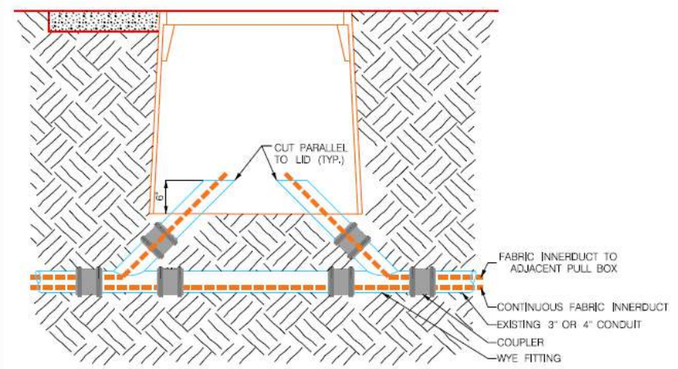
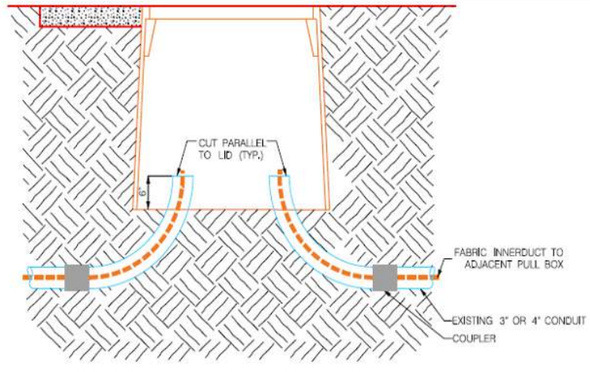
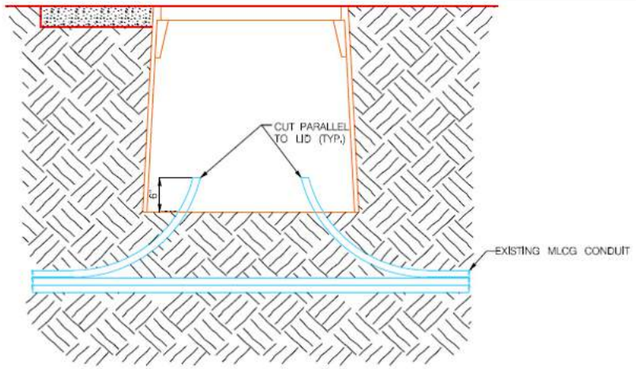


CAPTURE 3" OR 4" CONDUIT WITH EXISTING FIBER DETAIL

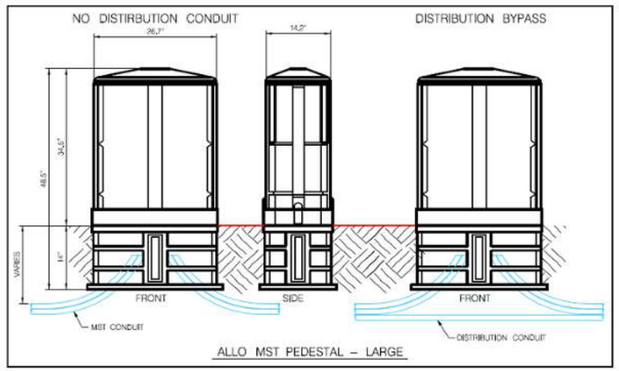


CAPTURE EMPTY 3" OR 4" CONDUIT DETAIL



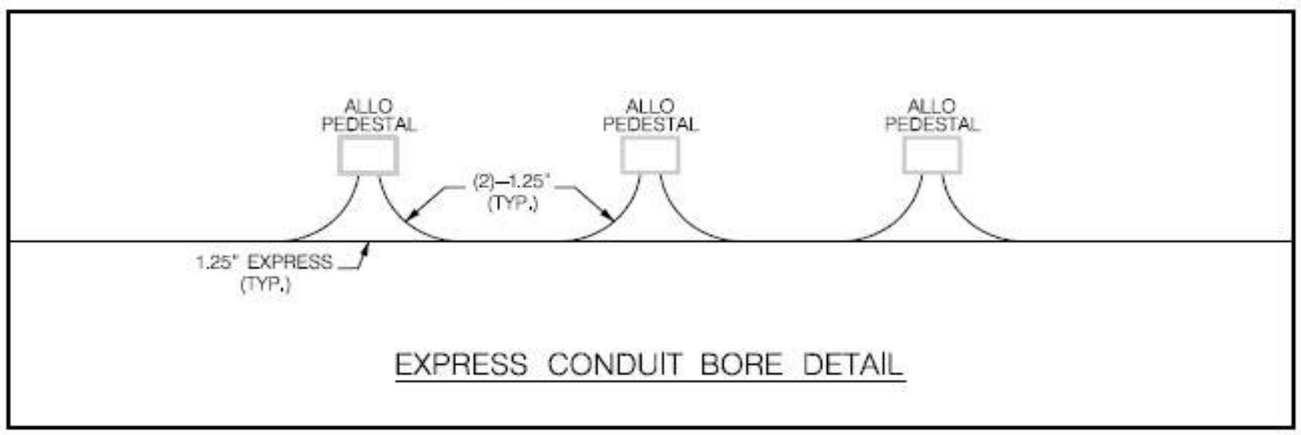
CAPTURE MLCG DETAIL

Typicals here represent various sweeps of conduit.
Follow City standards for bedding.
MLCG stands for Main Line Conduit Group, any bundle of conduit placed in the ground together.

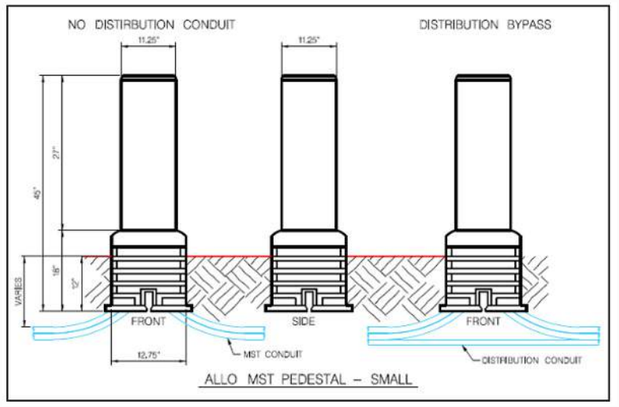


ALLO MST PEDESTAL – LARGE

Express Conduit are detailed by midspan call outs.
48f - 288f, 1 - 1.25" per cable Should be expressed to T36, T48, T60 boxes bypassing pedestals.
432f - 864, 1 - 2.0" per cable Should be expressed to T36, T48, T60 boxes bypassing pedestals.



EXPRESS CONDUIT BORE DETAIL



ALLO MST PEDESTAL – SMALL

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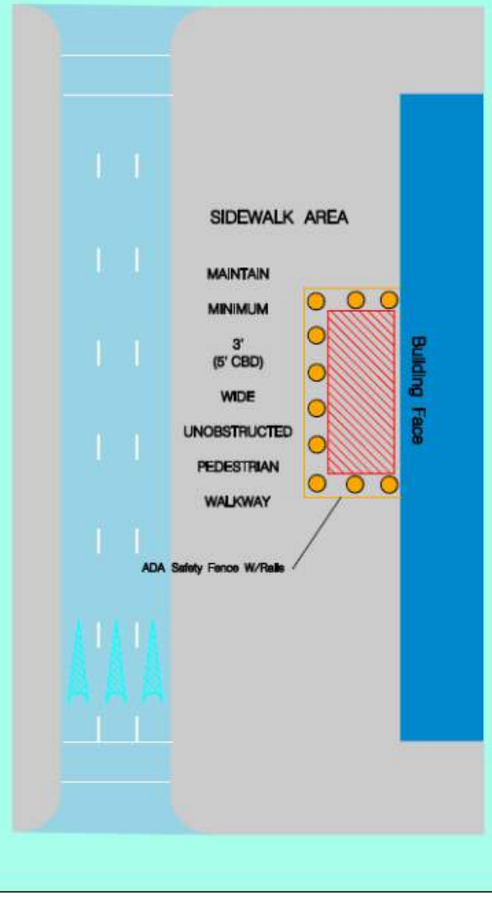
12

WORK IN THE PEDESTRIAN AREAS

Maintain a clear and unobstructed pedestrian walkway around the work zone, or post warning signs for closures at adjoining intersections.

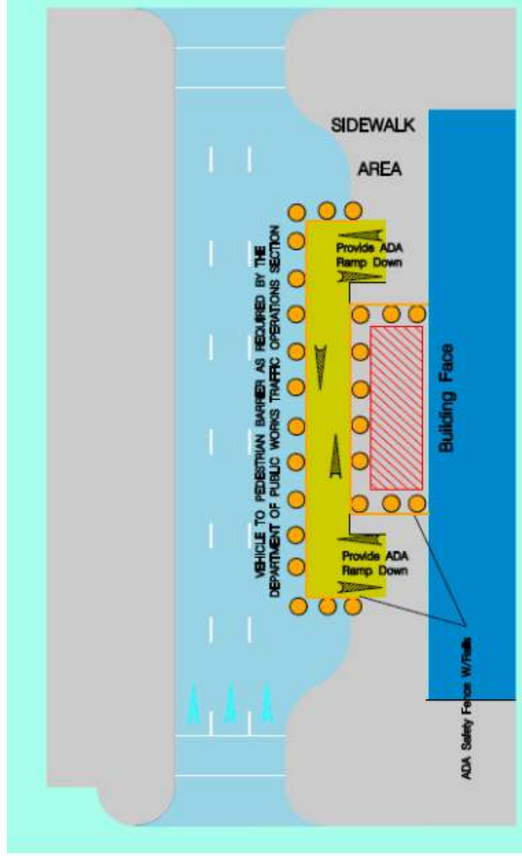


13

WORK IN THE PEDESTRIAN AREAS

PEDESTRIAN DETOUR IN CENTRAL BUSINESS DISTRICT(CBD)

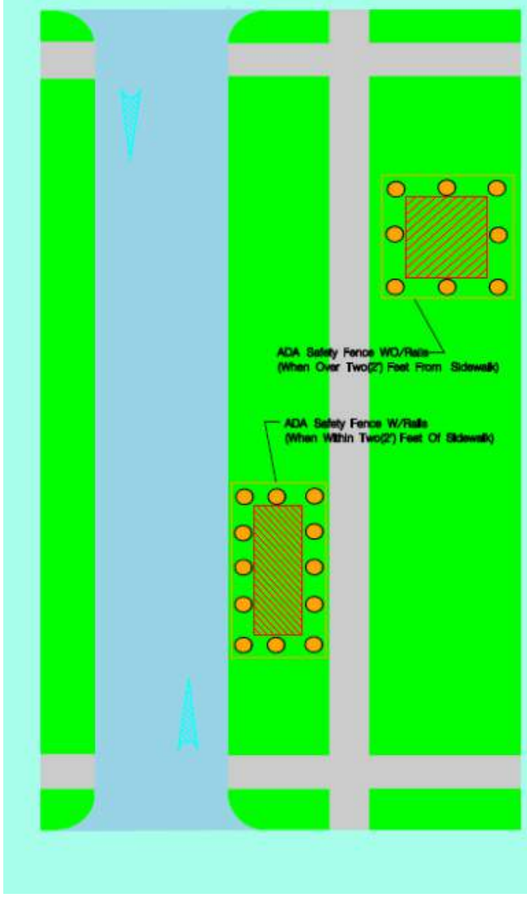
Maintain a minimum of 5' unobstructed pedestrian walkway around the work zone using constructed walkway or protected area as designated by the Department of Public Works Traffic Operations Section.



14

WORK IN THE PEDESTRIAN AREAS

Protection of Excavations & Hazards not in roadways or sidewalks



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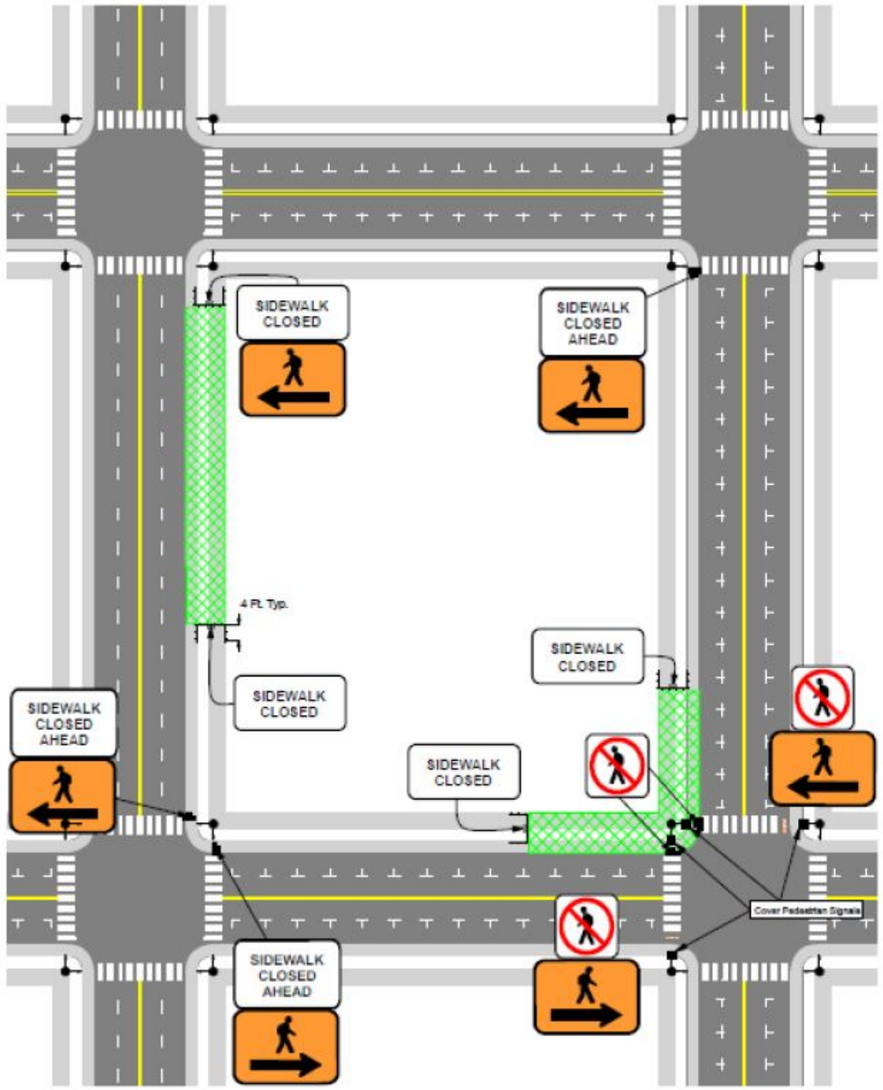
Traffic A1 OF A9

N

Sidewalk Closure

See Page A9 for A, B, C, L Distances

1) This plan shows the pedestrian traffic control measures only. Additional traffic control measures may be required to manage vehicular traffic.



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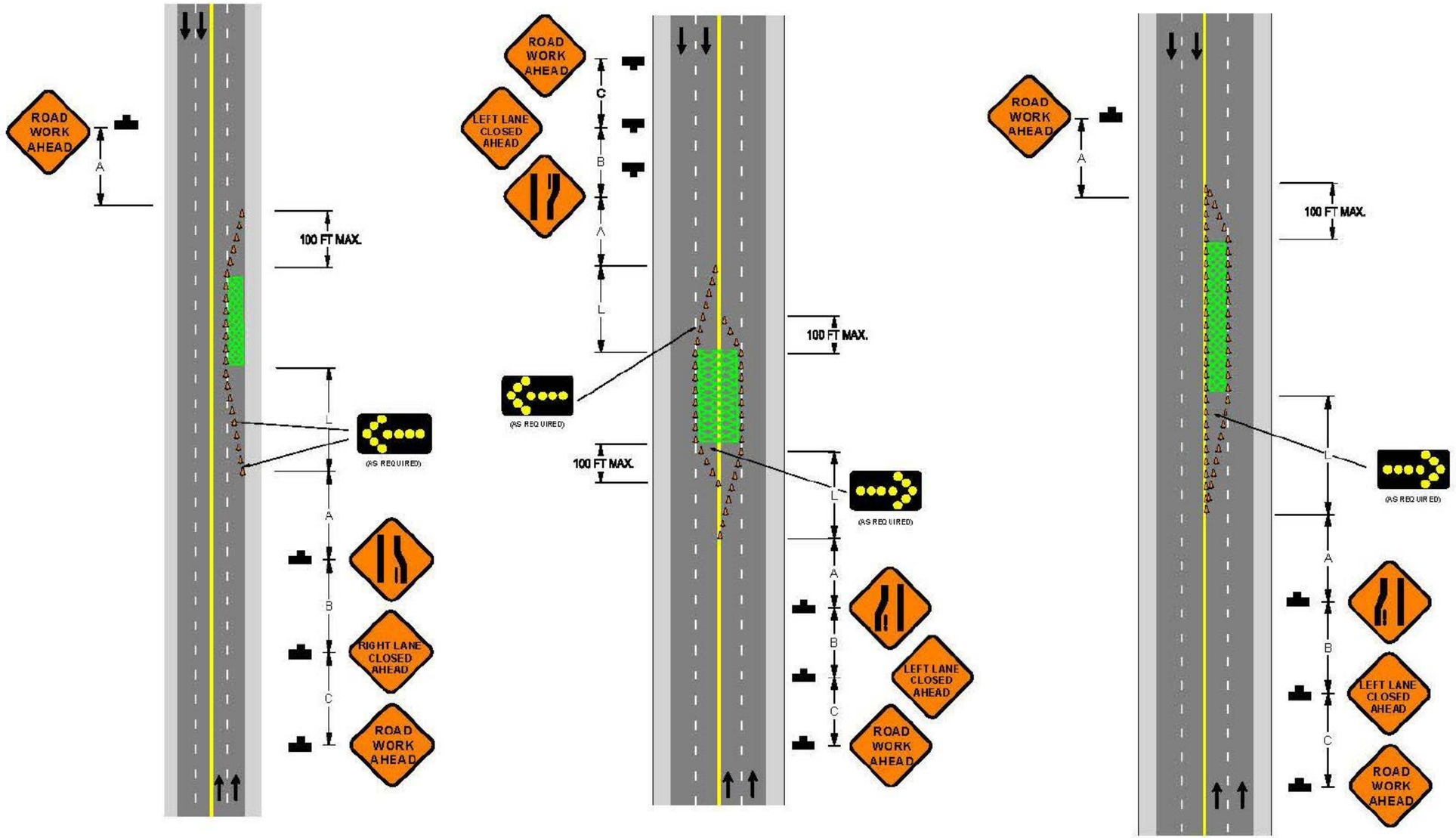
Traffic A2 OF A9

N

Through Lane Closures on Higher Volume Streets (Collectors, Arterials Etc..)

See Page A9 for A, B, C, L Distances



Legend

- ARROW PANEL
- CHANNELIZING DEVICE
- DIRECTION OF TRAVEL
- SIGN STAND
- WORK AREA

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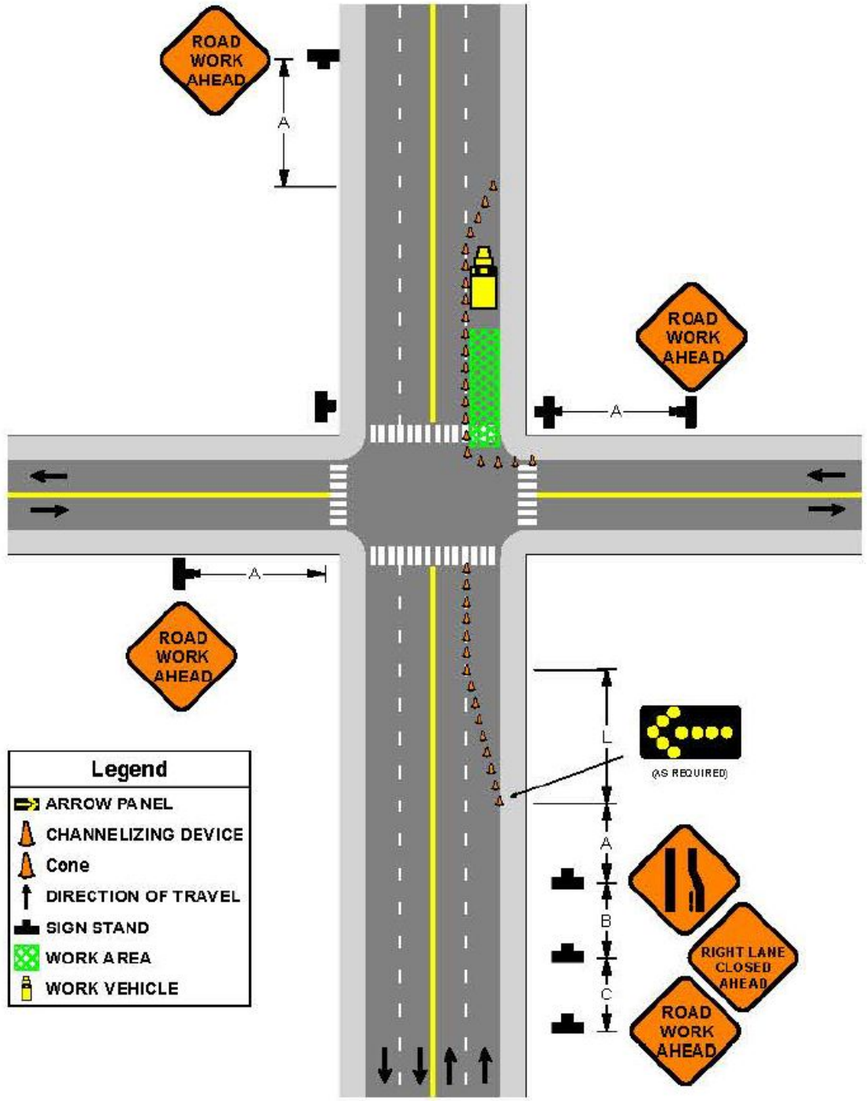
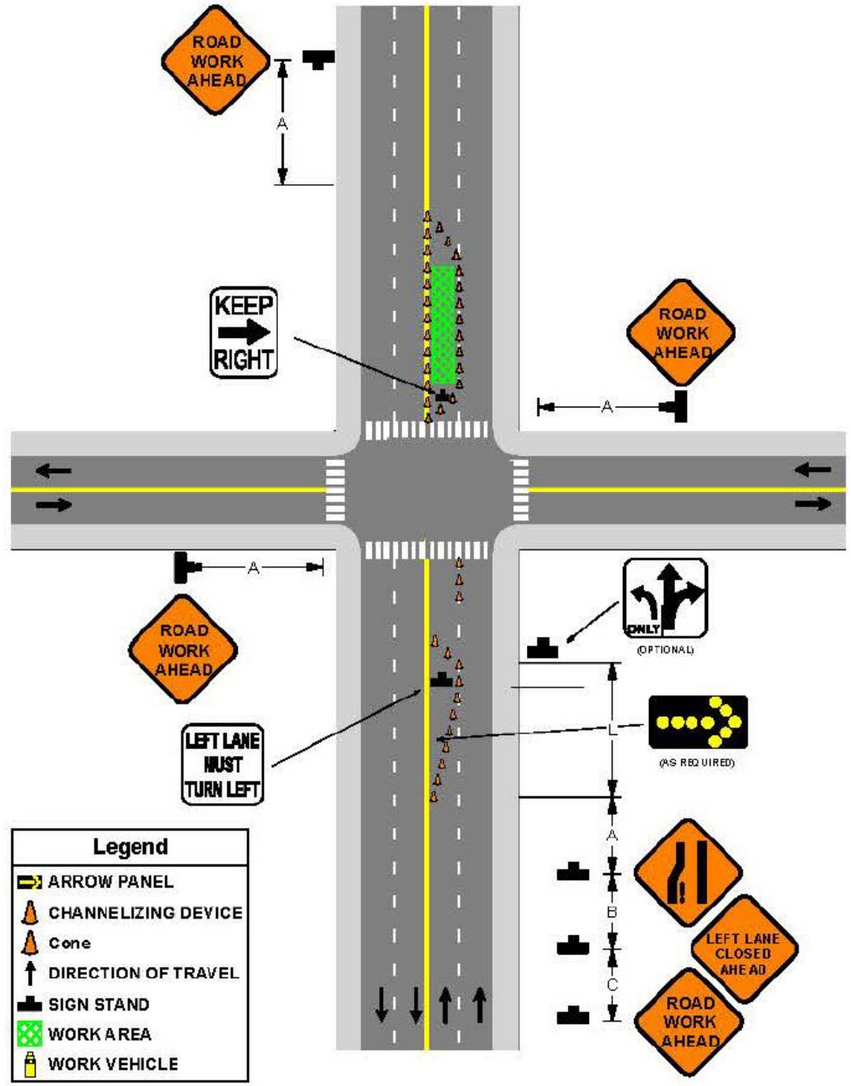
Traffic A3 OF A9

N

Through Lane Closures on Higher Volume Streets within Intersections (Collectors, Arterials Etc..)

See Page A9 for A, B, C, L Distances





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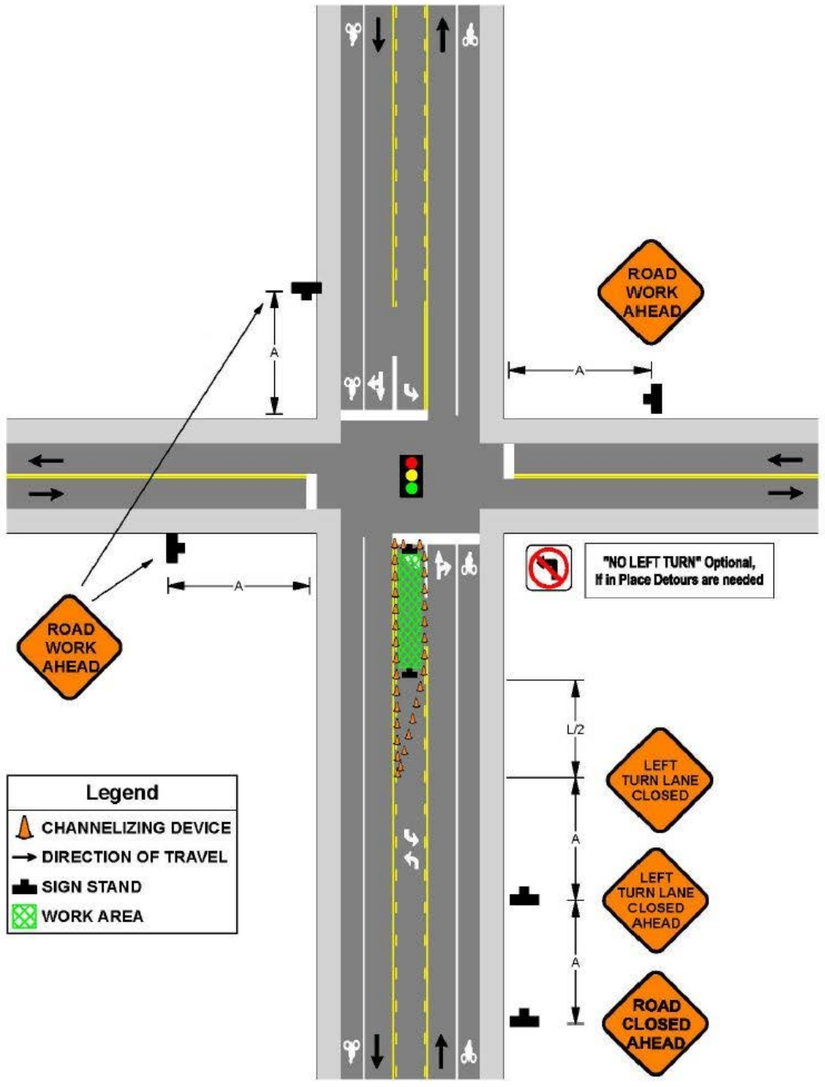
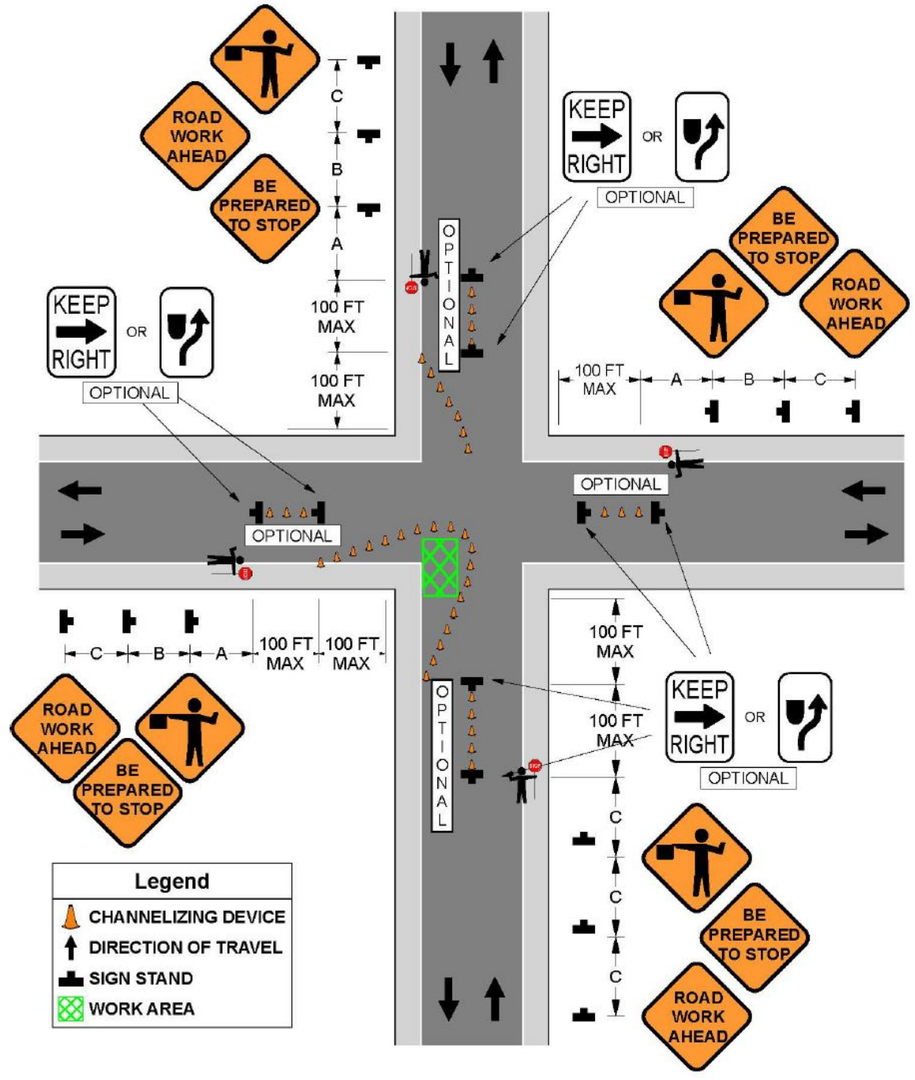
Traffic A4 OF A9

N

Left/Right Turn Lane Closures on Higher Volume Streets
(I.E. Collectors, Arterials, etc.) Within Signalized Intersections
(Contact Traffic Signal Staff)



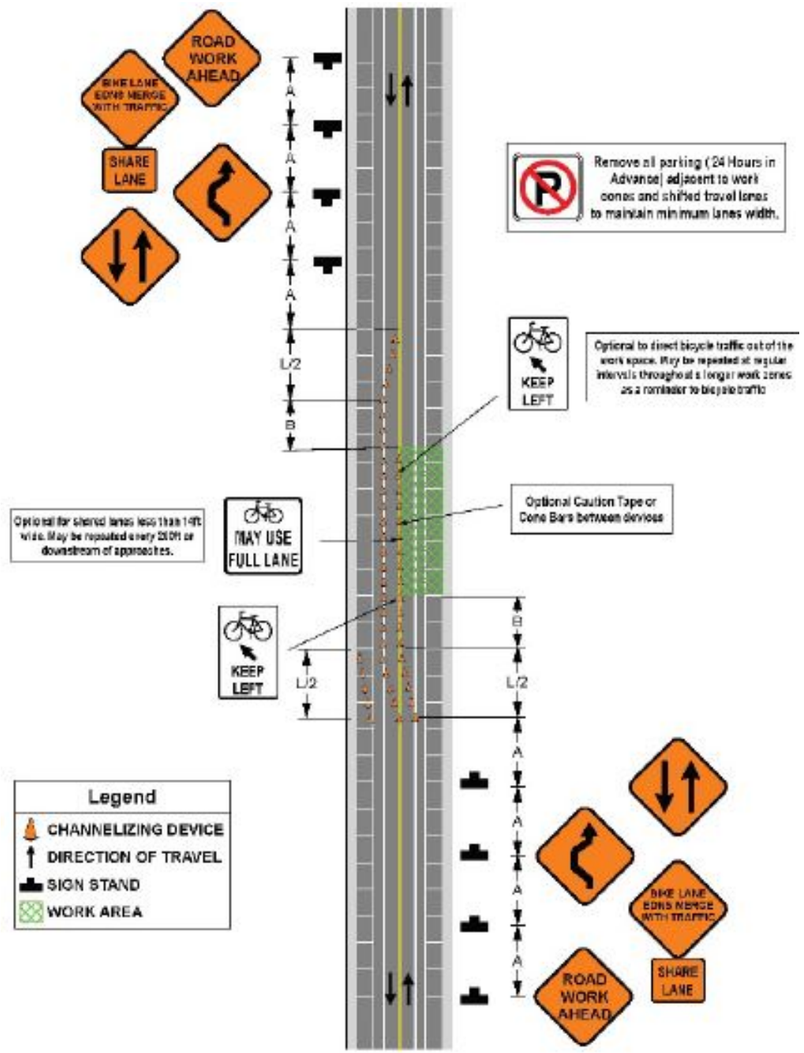
Closures on Lower Volume Streets for Workzones within Intersections

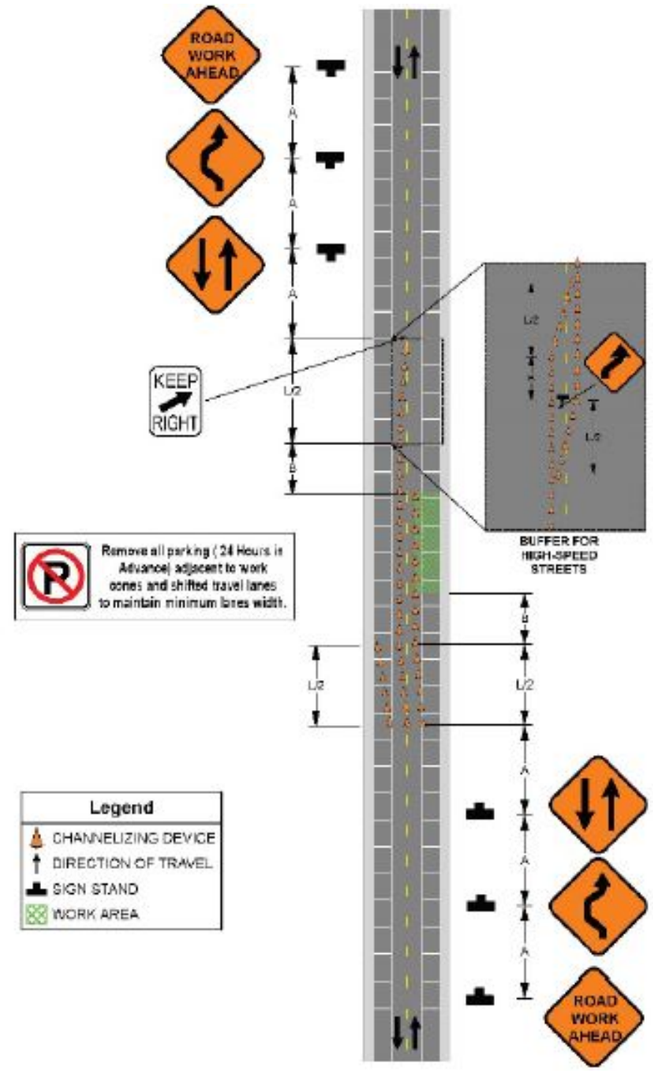


See Page A9 for A, B, C, L Distances

Lane Closures on Lower Volume Streets for Workzones along Corridors with Bike Lanes and On-Street Parking

See Page A9 for A, B, C, L Distances





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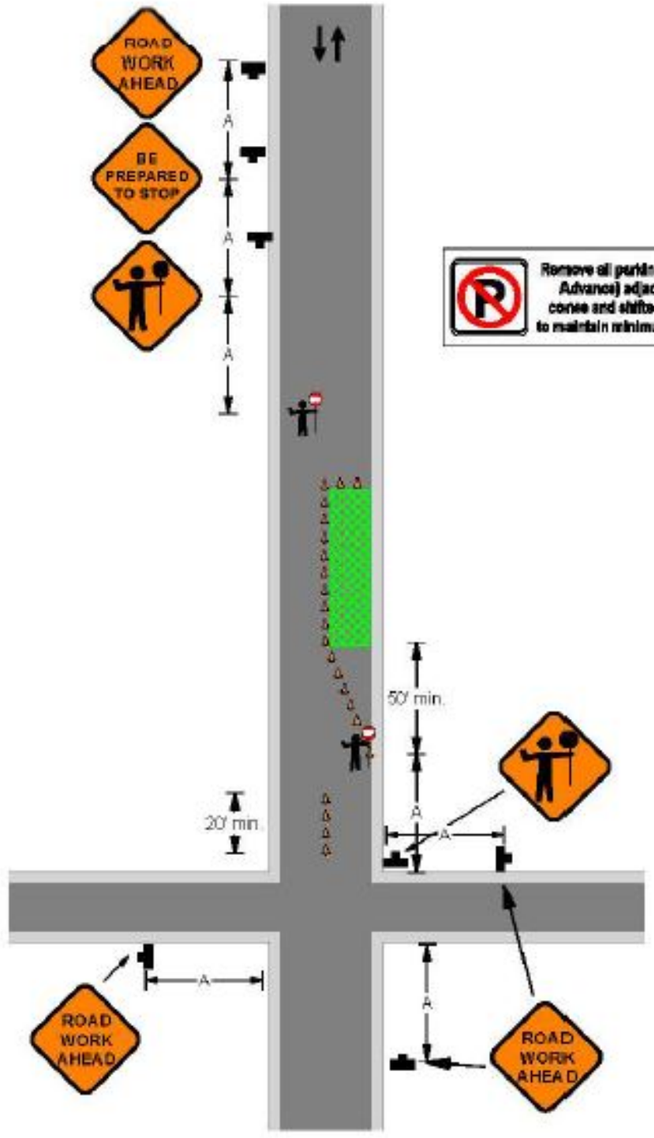
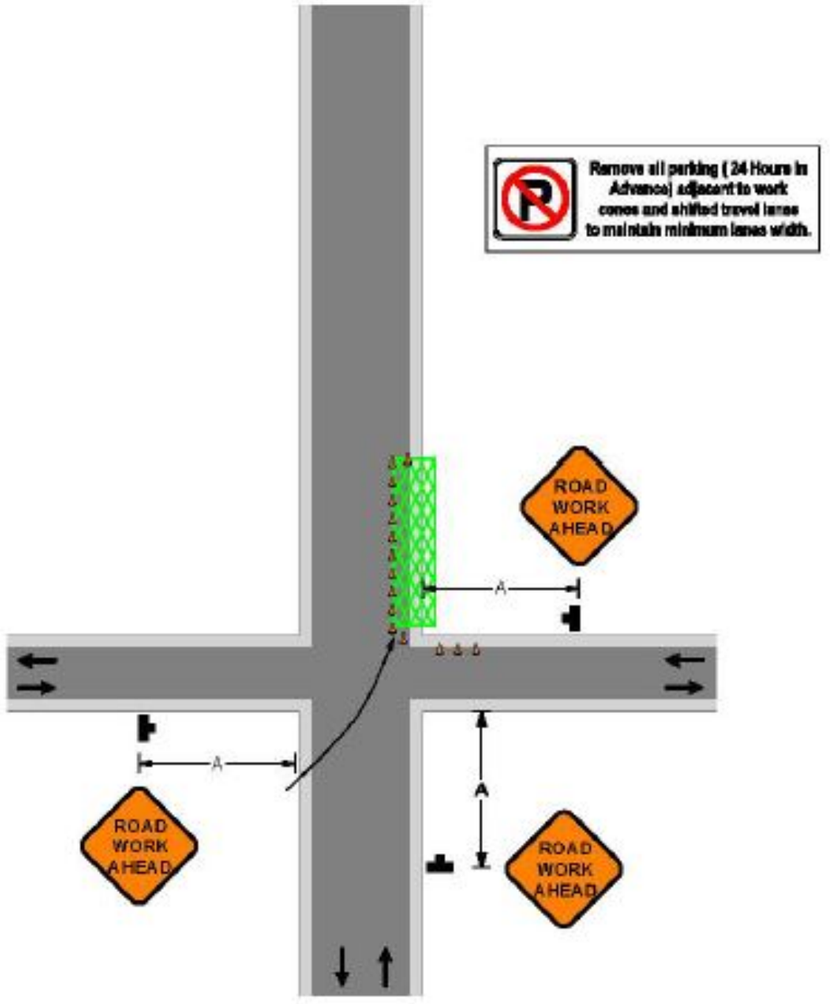
Traffic A6 OF A9

N

Partial street Closures on Lower Volume Streets

See Page A9 for A, B, C, L Distances





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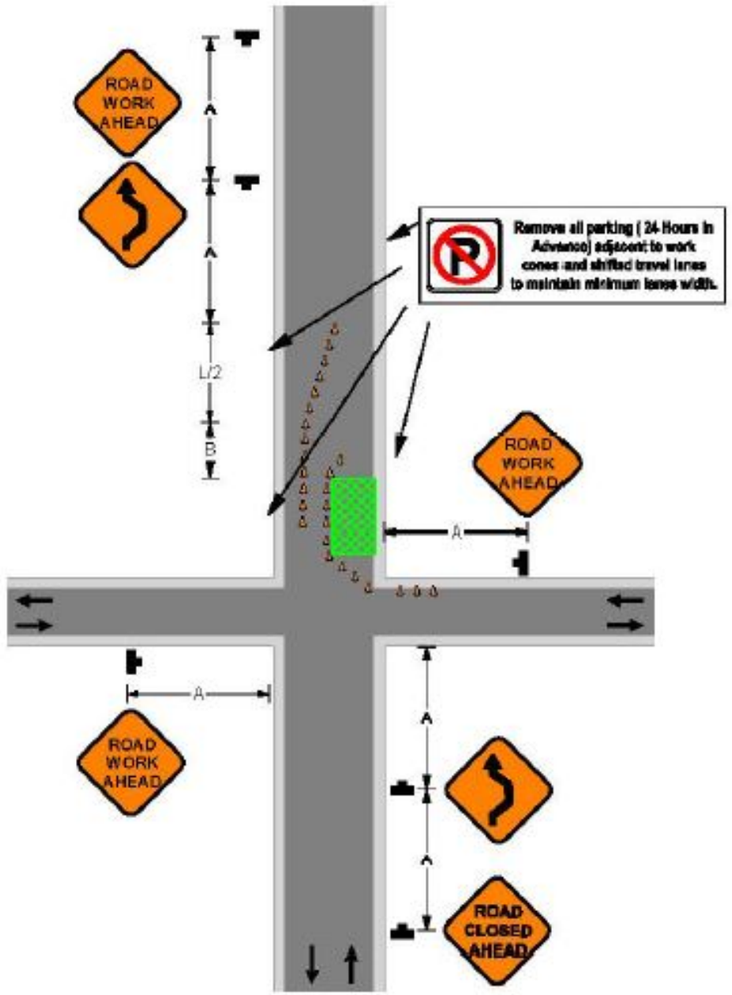
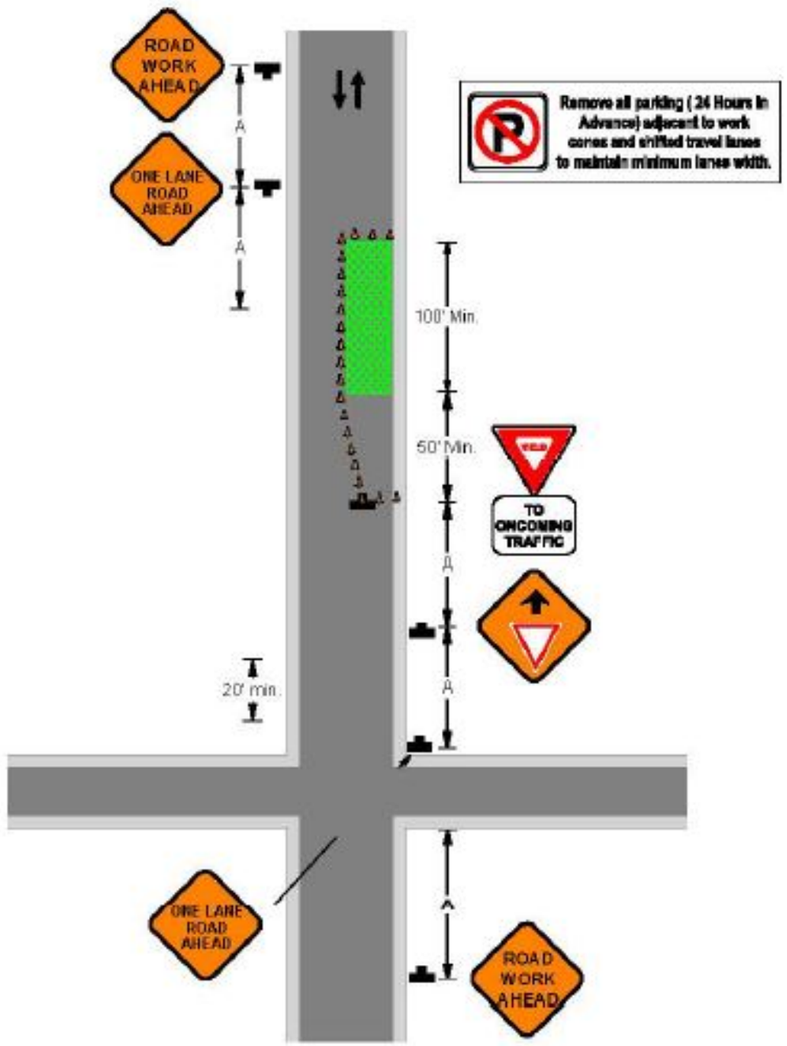
Traffic A7 OF A9

N

Partial street Closures on Lower Volume Streets

See Page A9 for A, B, C, L Distances





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Traffic A8 OF A9

N

Road Type	Distance Between Signs**		
	A	B	C
Urban (low speed)*	100 feet	100 feet	100 feet
Urban (high speed)*	350 feet	350 feet	350 feet
Rural	500 feet	500 feet	500 feet
Expressway / Freeway	1,000 feet	1,500 feet	2,640 feet

Type of Taper	Taper Length (L)
Merging Taper	At least L
Shifting Taper	At least 0.5 L
Shoulder Taper	At least .33 L
One-Lane, Two Way Traffic Taper	100 Ft. (30m) Maximum
Downstream Taper	100 Ft. (30m) per Lane

Speed (S)	Taper Length (L) in feet
40 mph or less	$L = \frac{WS^2}{60}$
45 mph or more	$L = WS$

Where: L = taper length in feet
W = width of offset in feet
S = posted speed limit, or off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

Lane Width	Speed in MPH	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH	50 MPH	55 MPH	60 MPH	65 MPH
10 Ft.	Merging Taper	105'	150'	205'	270'	450'	500'	550'	600'	650'
11 Ft.	Merging Taper	115'	165'	225'	294'	495'	550'	605'	660'	715'
12 Ft.	Merging Taper	125'	180'	245'	320'	540'	600'	660'	720'	780'

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Traffic A9 OF A9

N

PON: CRE-01-04

DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT

MST 4

MST 2

RISER

POLE

Power

Telecom

STRUCTURE

Small PED

SPLICECLOSURE

Underground

Aerial

ROUTE

Placement Type

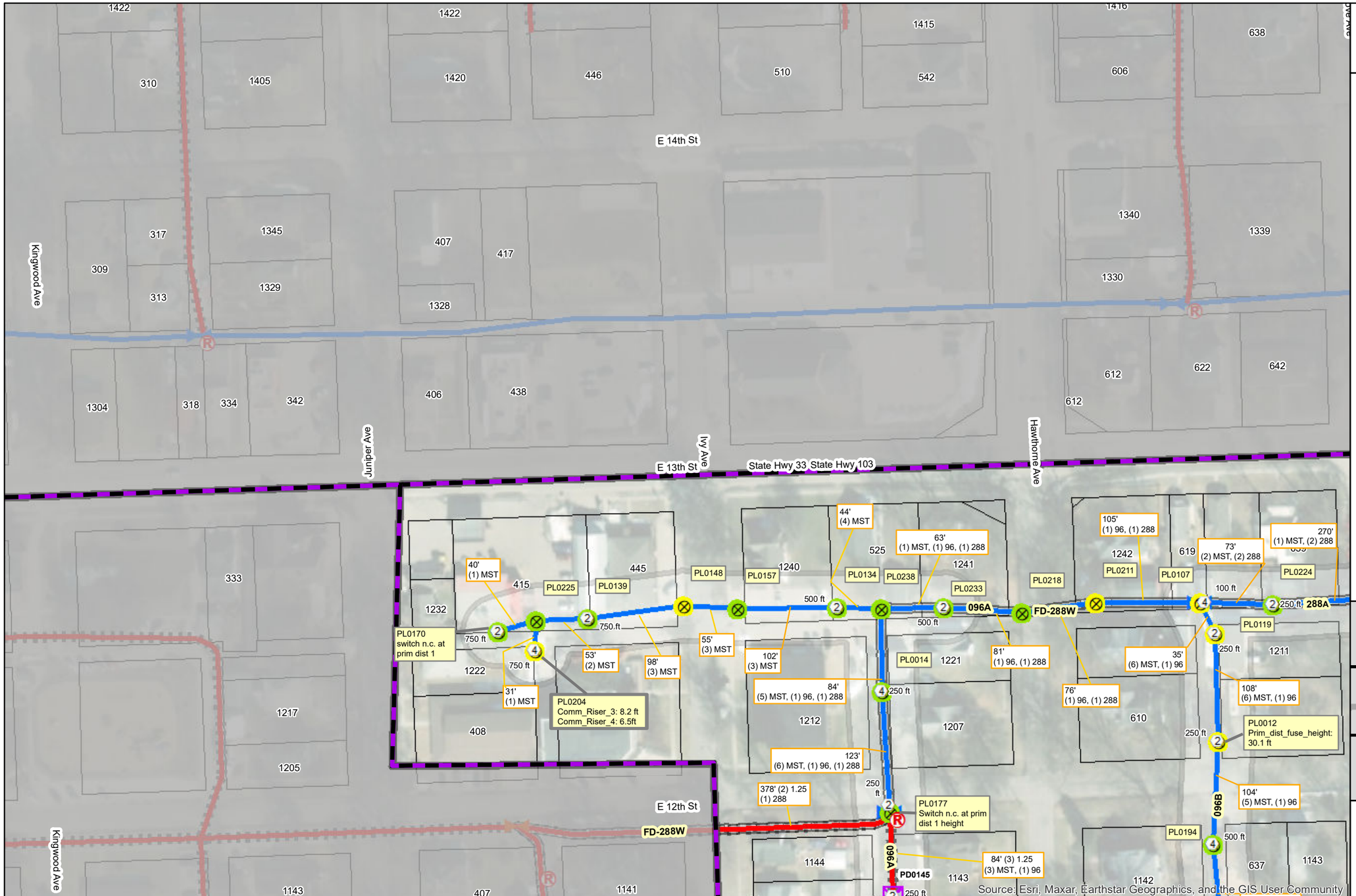
UG Bore

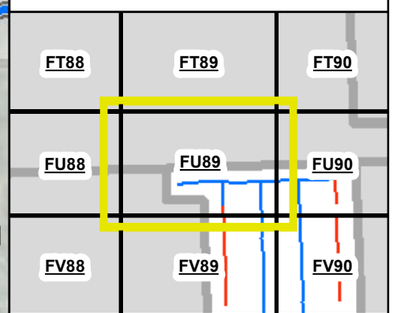
Aerial Strand

Feeder Fiber

Conduit

MST Runs



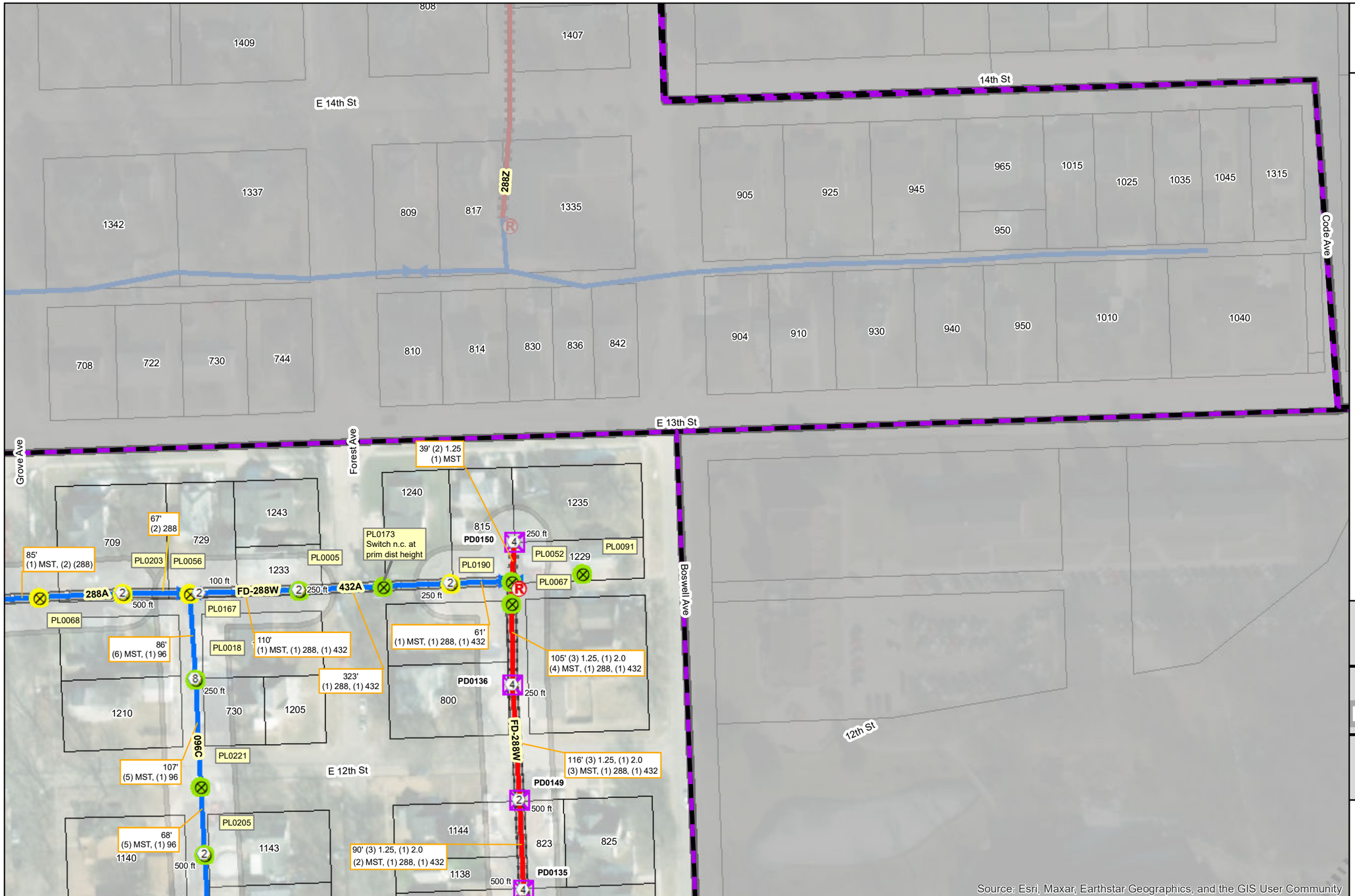


Notes: All proposed conduit in ROW, unless otherwise noted.

Revisions:

N

1 in = 100 ft



PON: CRE-01-04

DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT

MST 8

MST 4

MST 2

RISER

POLE

Power

Telecom

STRUCTURE

Small PED

SPLICECLOSURE

Aerial

ROUTE

Placement Type

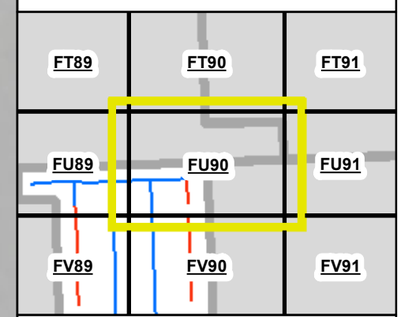
UG Bore

Aerial Strand

Feeder Fiber

Conduit

MST Runs



Allo FIBER

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Notes: All proposed conduit in ROW, unless otherwise noted.

Revisions:

N

1 in = 100 ft

PON: CRE-01-04

DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT

MST 4

MST 2

RISER

POLE

Power

Telecom

STRUCTURE

Small PED

T36 Vault

T48 Vault

SPLICECLOSURE

Underground

Aerial

ROUTE

Placement Type

UG Bore

Aerial Strand

Feeder Fiber

Future MDU Drop

Future MDU Drop

Conduit

MST Runs

FT91 FT92 FT93

FU91 FU92 FU93

FV91 FV92 FV93

Bring all conduit to HH0031, and sweep 2 - 1.25" conduit to HH0018.

PL0166 Switch height: 27.8 ft, switch n.c.

PL0108 Arrester Height: 25.0 ft, switch n.o. at transformer height

PL0187 Capacitor bank height: 25.0 ft

PL0099

PL0006

HH0032 HH0031 HH0018 HH0034

PD0103 PD0048 PD0207 PD0208 PD0079 PD0078 PD0206 PD0086 PD0209

SV0080

096E FD-096E 096E

048H

85' (2) 1.25 (1) 96

63' (2) 1.25 (1) MST

374' (3) 1.25 (5) MST, (1) 96

200' (3) 1.25 (1) MST, (1) 48

53' (2) 1.25 (1) 48

94' (2) 1.25 (3) MST

46' (2) 1.25 (4) MST

46' (2) 1.25 (1) 96

73' (2) 1.25 (5) MST

35' (2) 1.25 (4) MST

96' (2) 96

114' (2) 96

129' (2) 96

113' (2) 96

145' (2) 96

203' (2) 1.25 (3) MST

106' (2) 1.25 (2) MST

131' (2) 1.25 (1) MST

192' (2) 1.25 (2) MST

293' (2) 1.25 (1) MST

250 ft 500 ft 500 ft 500 ft 750 ft

E 13th St Co Rd F Co Rd 2350 Hickory Ave Jasmine Ave

1340 1315 1315 1520 1630 1640 1235 1240 1853 1230 1229 1220 1225 1210 1125

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Allo FIBER

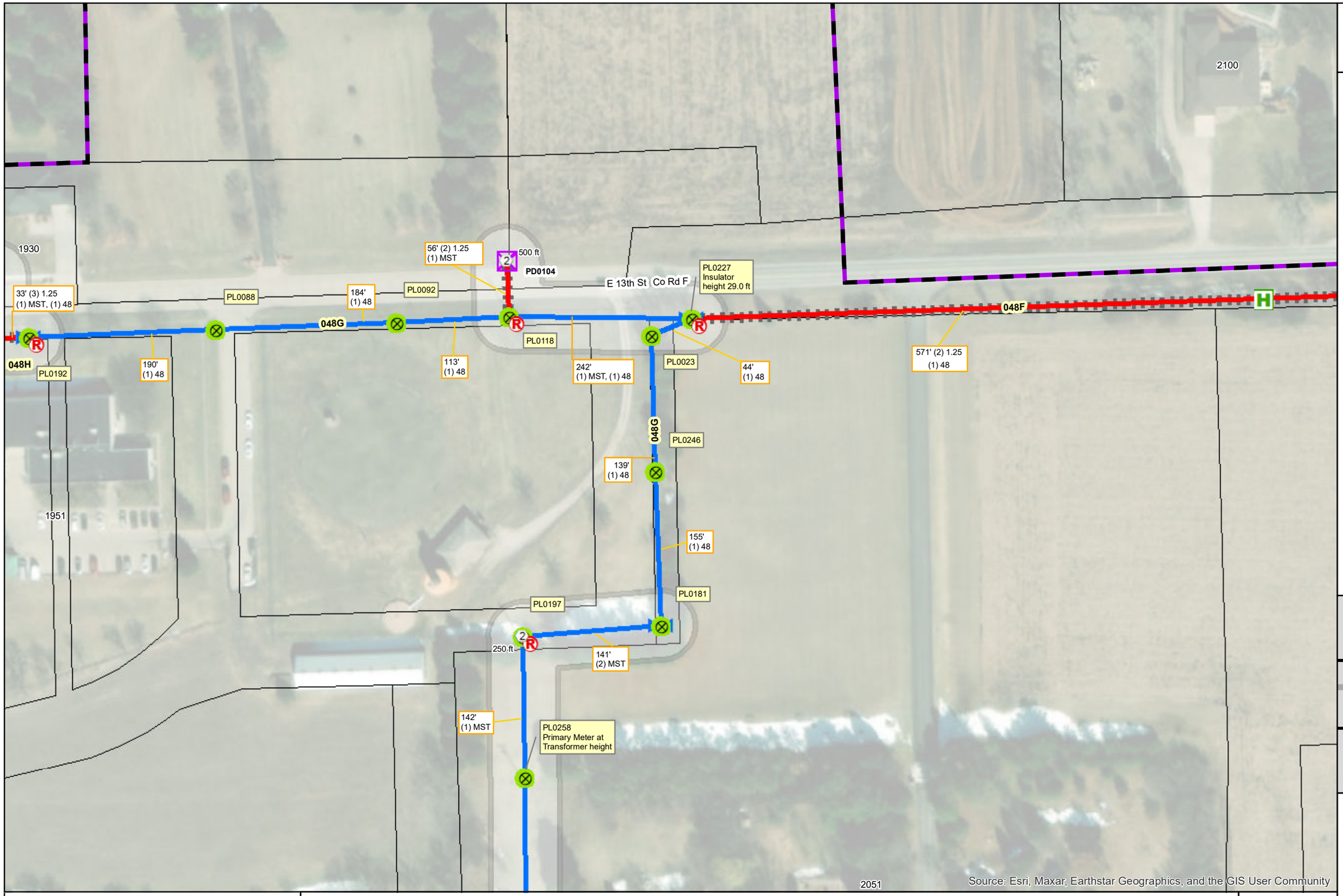
811 Know what's below. Call before you dig.

Notes: All proposed conduit in ROW, unless otherwise noted.

Revisions:

N

1 in = 100 ft



PON: CRE-01-04

DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT

MST 2

RISER

POLE

Power

STRUCTURE

Small PED

T36 Vault

SPLICECLOSURE

Aerial

ROUTE

Placement Type

UG Bore

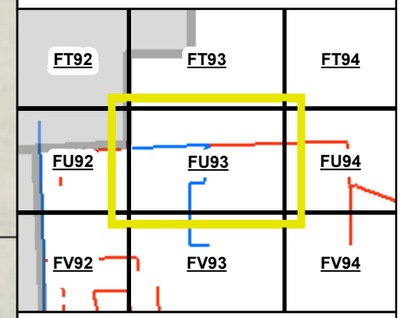
Aerial Strand

Future MDU Drop

Future MDU Drop

Conduit

MST Runs



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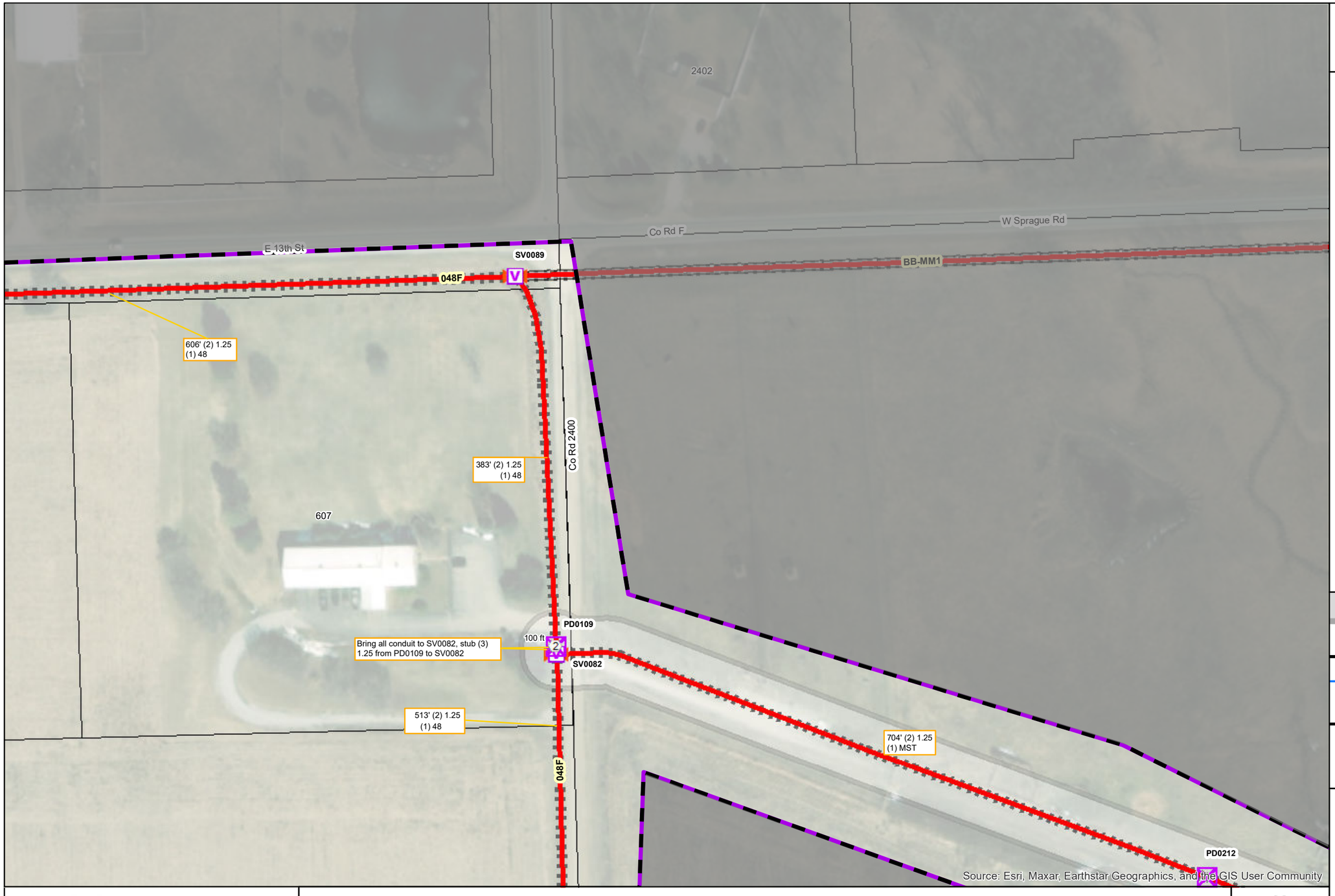
1 in = 100 ft



PON: CRE-01-04

DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT

MST 2

STRUCTURE

Small PED

T48 Vault

SPLICECLOSURE

Underground

ROUTE

Placement Type

UG Bore

Feeder Fiber

Future MDU Drop

Future MDU Drop

Conduit

MST Runs

FT93	FT94	FT95
FU93	FU94	FU95
FV93	FV94	FV95

Allo FIBER

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Revisions:

N

1 in = 100 ft

PON: CRE-01-04

DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT

- MST 8
- MST 6
- MST 4
- MST 2
- RISER

POLE

- Power
- Telecom

STRUCTURE

- Large PED
- Small PED
- T48 Vault

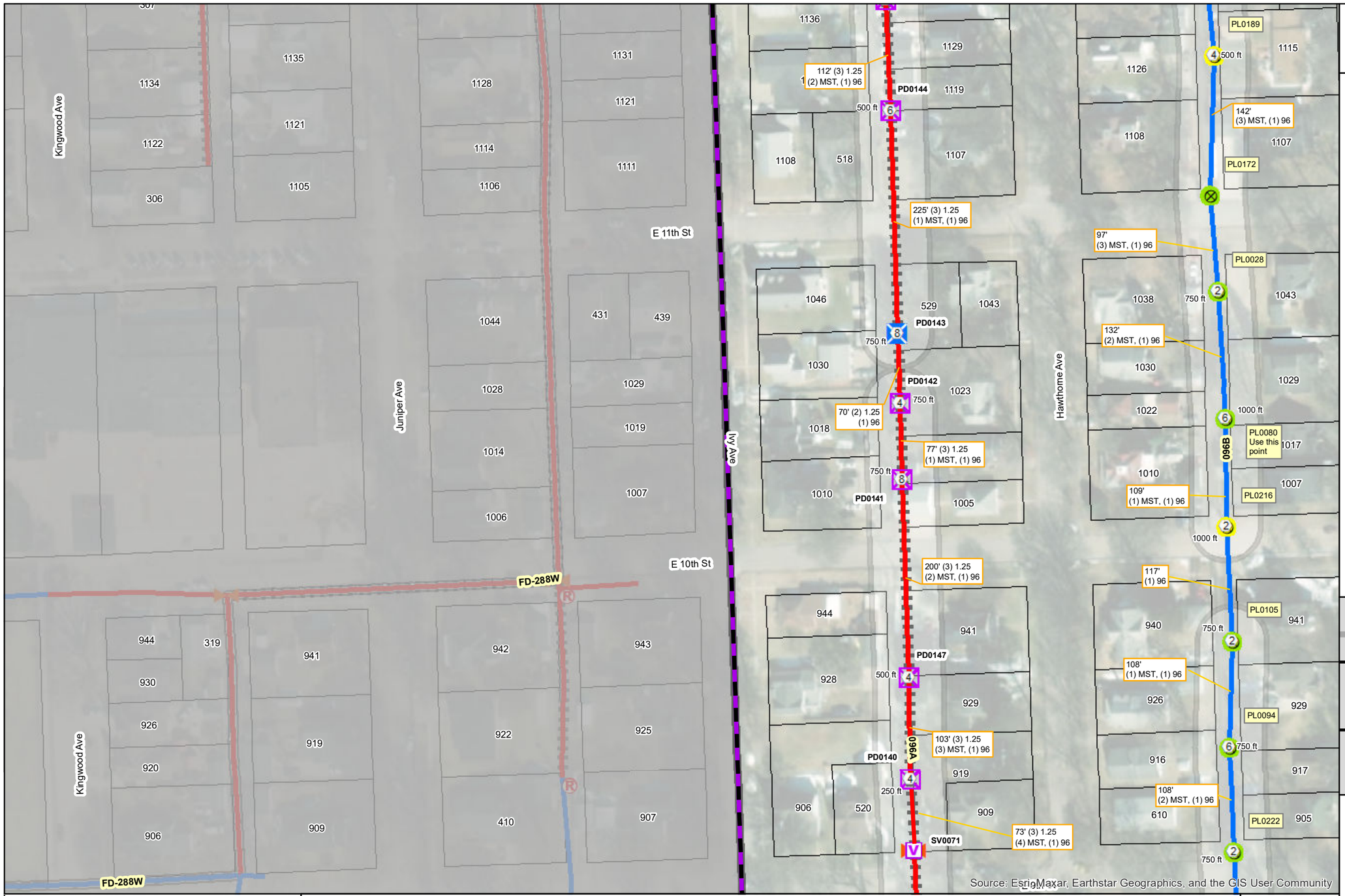
SPLICECLOSURE

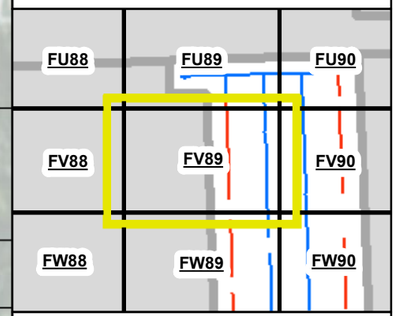
- Underground

ROUTE

Placement Type

- UG Bore
- Aerial Strand
- Feeder Fiber
- Conduit
- MST Runs



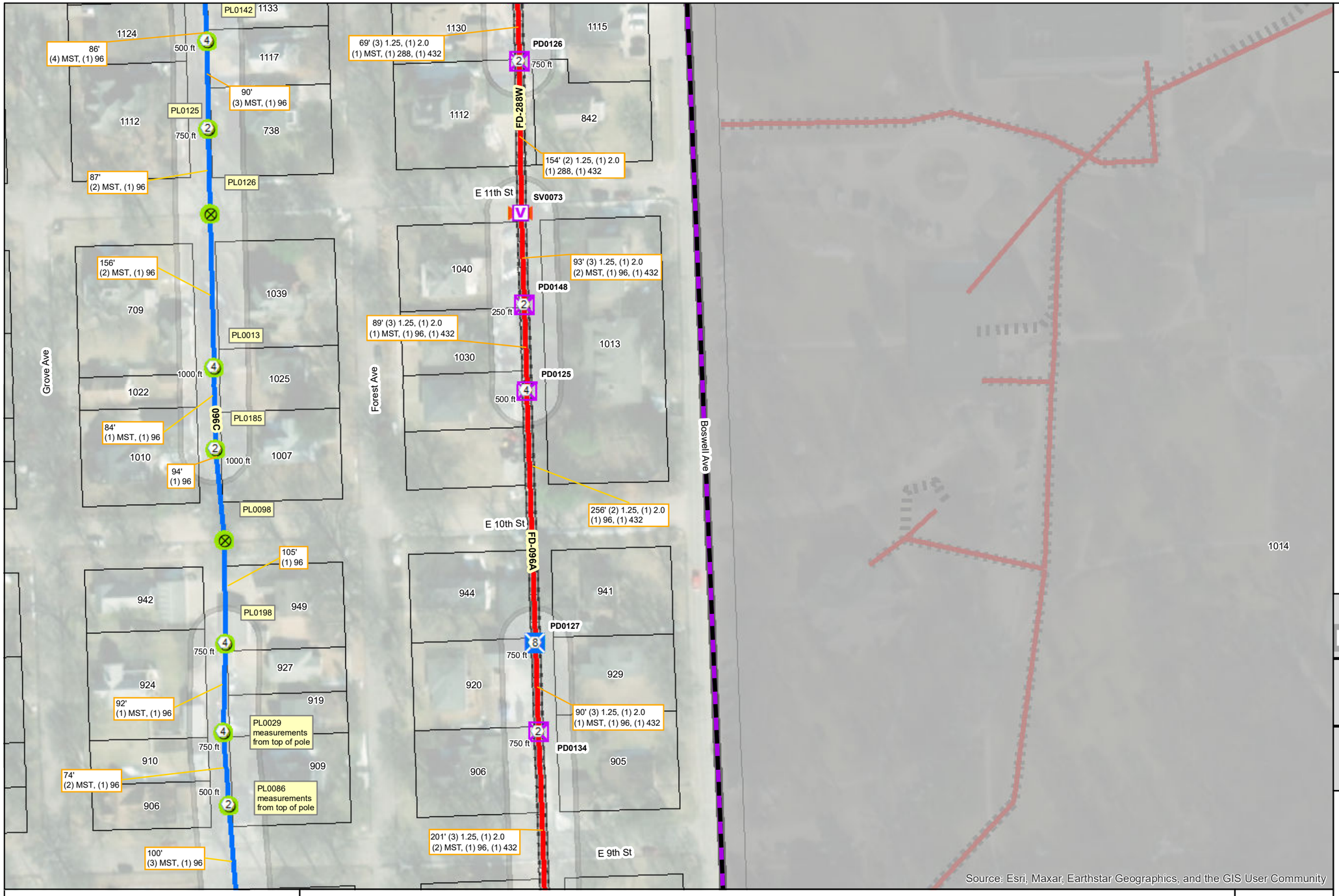


Notes: All proposed conduit in ROW, unless otherwise noted.

Revisions:

N

1 in = 100 ft



PON: CRE-01-04

DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT

- MST 8
- MST 4
- MST 2

POLE

- Power

STRUCTURE

- Large PED
- Small PED
- T48 Vault

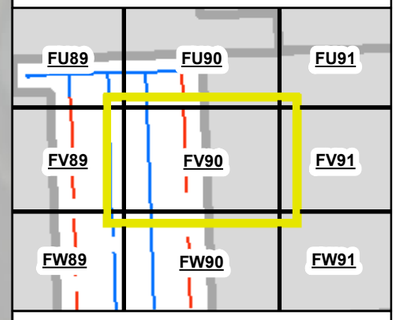
SPLICECLOSURE

- Underground

ROUTE

Placement Type

- UG Bore
- Aerial Strand
- Feeder Fiber
- Conduit
- MST Runs



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Revisions:

N

1 in = 100 ft

PON: CRE-01-04

DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT

MST 4

MST 2

RISER

POLE

Power

Telecom

STRUCTURE

Large PED

Small PED

T36 Vault

SPLICECLOSURE

Aerial

ROUTE

Placement Type

UG Bore

Aerial Strand

Feeder Fiber

Future MDU Drop

Future MDU Drop

Conduit

MST Runs

PD0110

PD0210

1000 ft

Jasmine Ave

1125

PL0048

127'
(2) 96

PL0016
capacitor bank
height: 23.2 ft

FD-096E

190'
(2) 96

PL0017

145' (3) 1.25
(6) MST, (1) 48

PD0061

146' (3) 1.25
(5) MST, (1) 48

PD0205

PD0062

131' (3) 1.25
(3) MST, (1) 48

PD0037

145' (3) 1.25
(2) MST, (1) 48

PD0039

750 ft

1000 ft

1000 ft

Aerial and Underground at this location.

HH0001

500 ft

048I

103' (3) 1.25
(4) MST, (1) 48

101'
(2) 96

92' (3) 1.25
(6) MST, (1) 48

1740

1780

1860

1880

1920

1940

1720

1820

PL0096
Arrester
Height: 25.0 ft

Fairchild Dr

PD0198

FD-096E

Iris Ave

158'
(1) 96, (1) 288

PL0004

880

895

750 ft

PD0020

75' (2) 1.25
(1) MST

875

PD0040

750 ft

138'
(1) 96, (1) 288

288C

860

855

PL0247

63' (2) 1.25
(2) MST

PD0197

163'
(1) 96, (1) 288

835

68' (2) 1.25
(3) MST

PD0041

500 ft

830

795

15' (2) 1.25
(1) MST

880

1855

1875

1915

108' (3) 1.25
(10) MST

500 ft

PD0044

PD0054

PD0045

750 ft

500 ft

PD0203

860

838

134' (2) 1.25
(5) MST

158' (2) 1.25
(6) MST

Saint Johns Ct

120' (2) 1.25
(4) MST

835

PD0194

840

Summit Ct

84' (2) 1.25
(3) MST

815

PD0043

1000 ft

770

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

FU91 FU92 FU93

FV91 FV92 FV93

FW91 FW92 FW93

Notes: All proposed conduit in ROW, unless otherwise noted.

Revisions:

N

1 in = 100 ft

PL0077
156'
(1) MST
130'
(1) MST
PL0058
113'
(1) MST
75'
(1) MST
PL0061
PL0038
1000 ft
PL0043
92'
(1) MST
139' (3) 1.25
(1) MST, (1) 48
PD0120
Bring all conduit to HH0030, and
sweep 2 - 1.25" conduit to PD0120.
HH0030
1890
1960
1990
121' (2) 1.25
(1) 48
SV0076
50' (3) 1.25
(11) MST
93' (3) 1.25
(11) MST
PD0199
880
895
1250
PD0076
860
875
Franklin Dr
159' (2) 1.25
(1) MST
150' (2) 1.25
(3) MST
840
835
PD0112
1250
PD0034
500 ft
820
805
197' (2) 1.25
(2) MST
123' (2) 1.25
(2) MST
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

PON: CRE-01-04

DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT

MST 4

MST 2

RISER

POLE

Power

STRUCTURE

Large PED

Small PED

T36 Vault

T48 Vault

SPLICECLOSURE

Underground

ROUTE

Placement Type

UG Bore

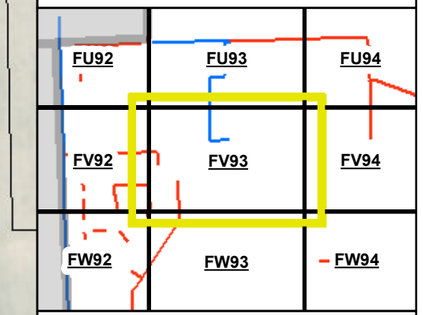
Aerial Strand

Future MDU Drop

Future MDU Drop

Conduit

MST Runs



Allo FIBER

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

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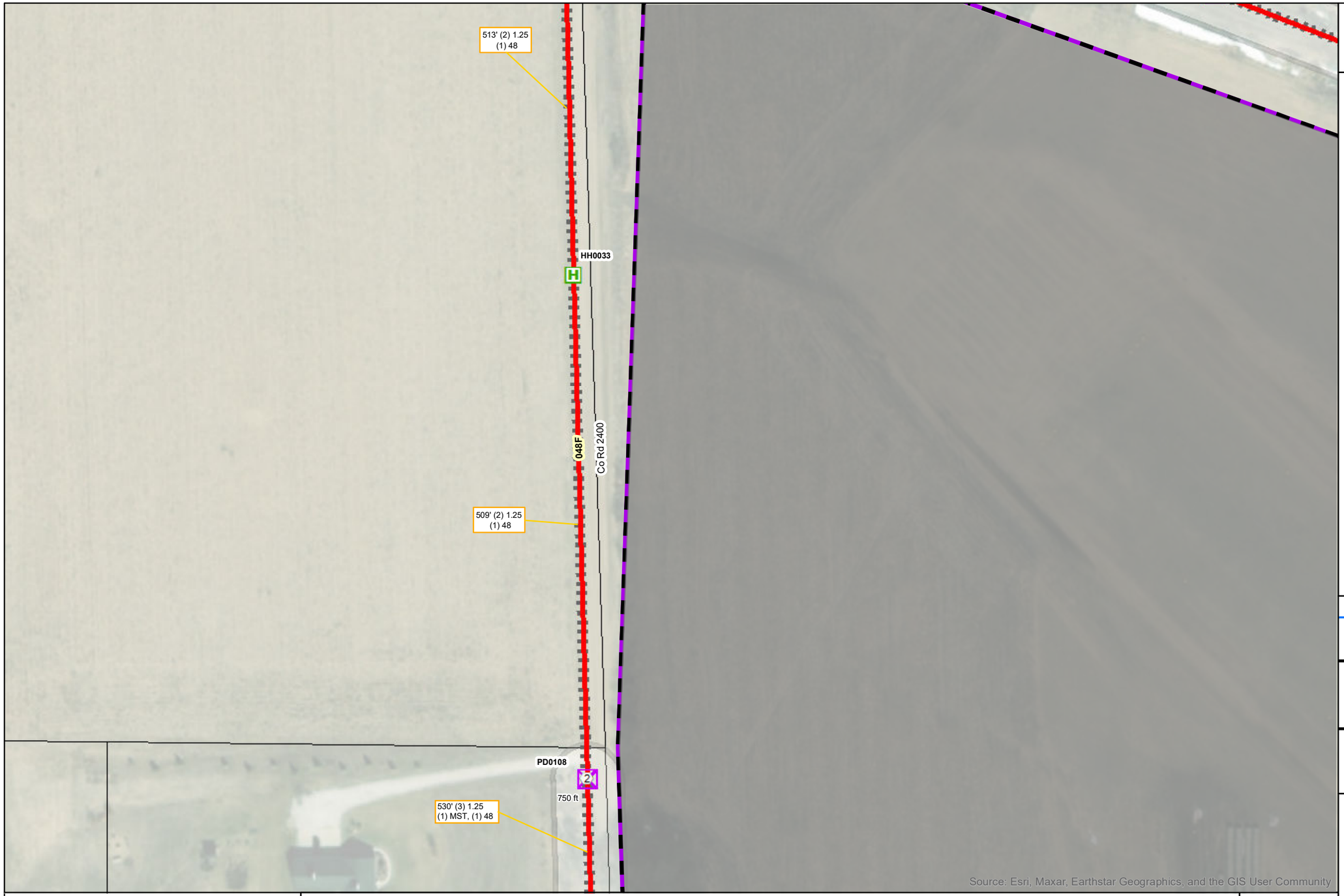
Revisions:

N

1 in = 100 ft



PON: CRE-01-04

DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT

2 MST 2

STRUCTURE

Small PED

T36 Vault

ROUTE

Placement Type

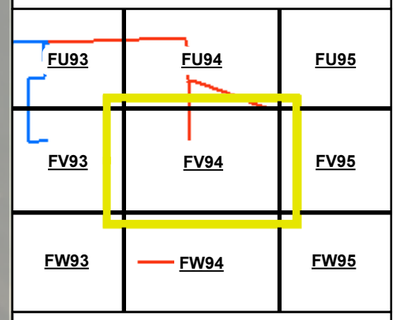
UG Bore

Future MDU Drop

Future MDU Drop

Conduit

MST Runs



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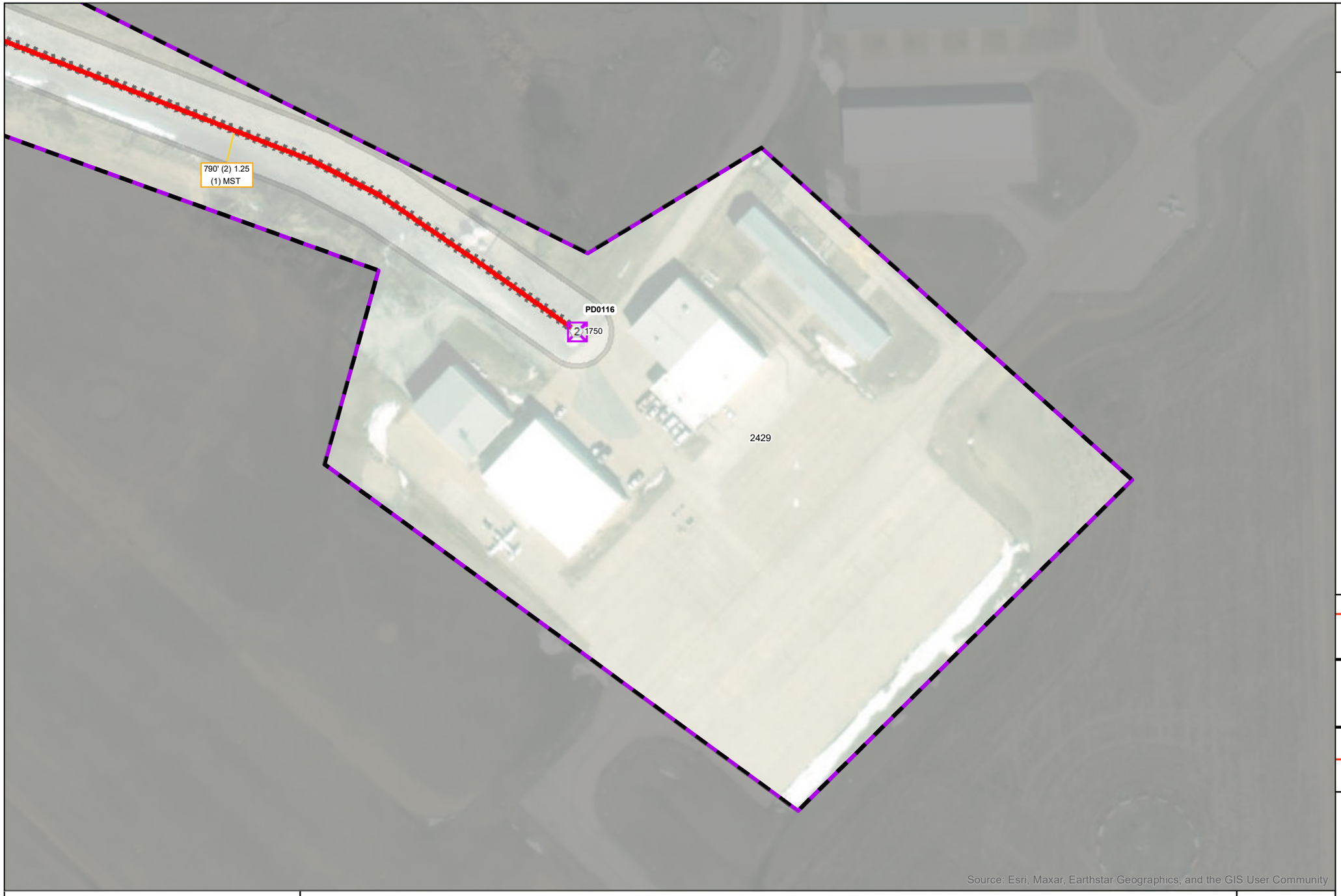
Revisions:

N

1 in = 100 ft



PON: CRE-01-04

DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT

2 MST 2

STRUCTURE

Small PED

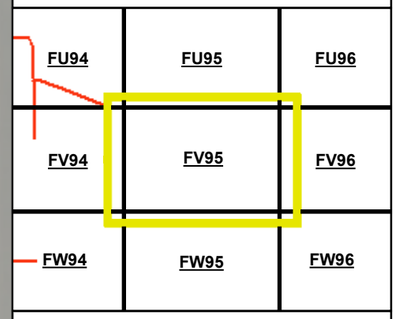
ROUTE

Placement Type

UG Bore

Conduit

MST Runs



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Revisions:

N

1 in = 100 ft

PON: CRE-01-04

DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT

MST 6

MST 4

MST 2

RISER

POLE

Power

Telecom

STRUCTURE

Small PED

SPLICECLOSURE

Aerial

ROUTE

Placement Type

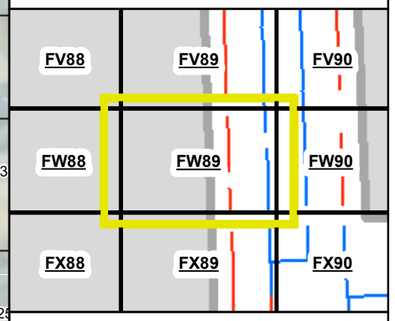
UG Bore

Aerial Strand

Feeder Fiber

Conduit

MST Runs



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Revisions:

N

1 in = 100 ft

PON: CRE-01-04

DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT

MST 8

MST 4

MST 2

POLE

Power

STRUCTURE

Small PED

T48 Vault

SPLICECLOSURE

Underground

Aerial

ROUTE

Placement Type

UG Bore

Aerial Strand

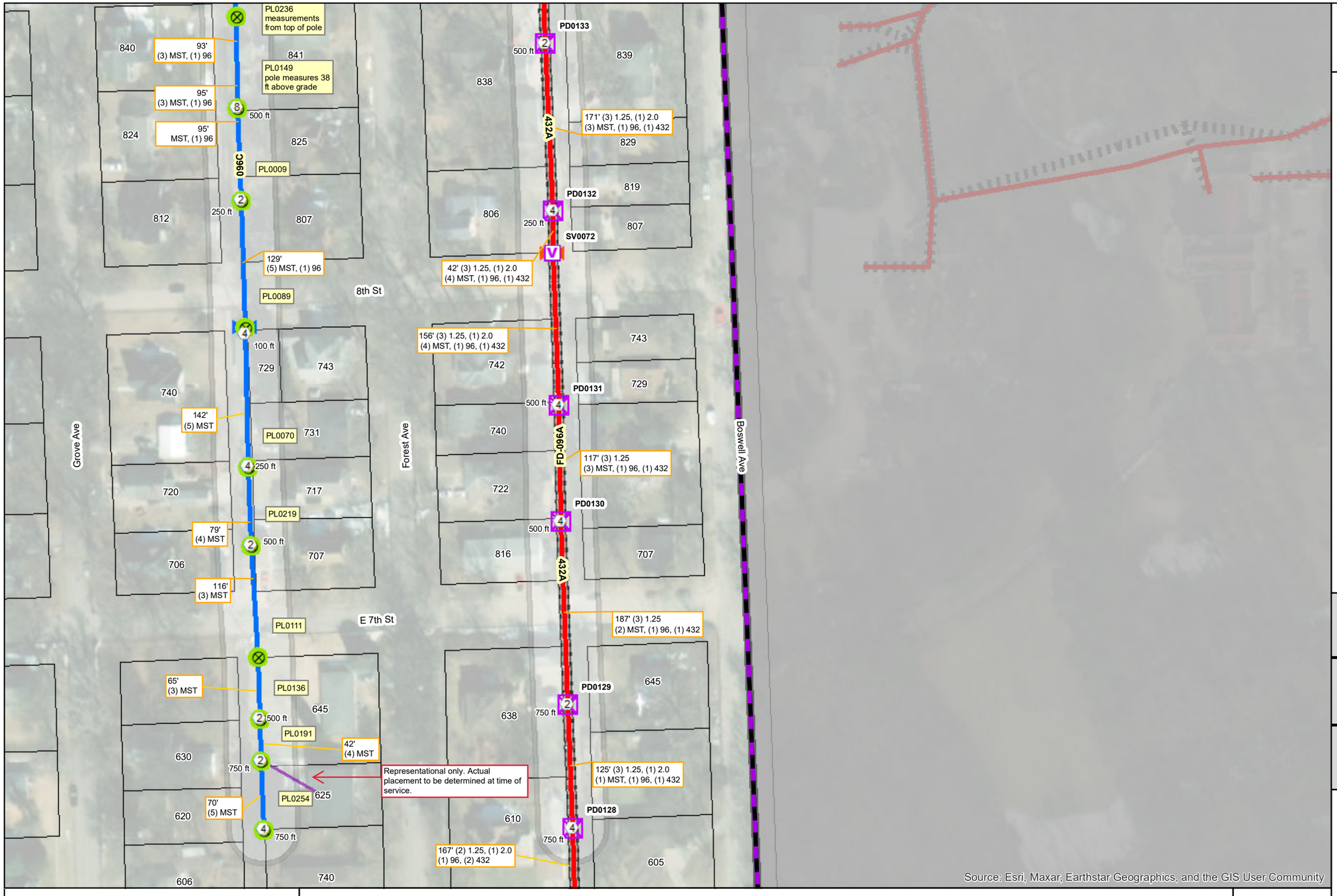
Feeder Fiber

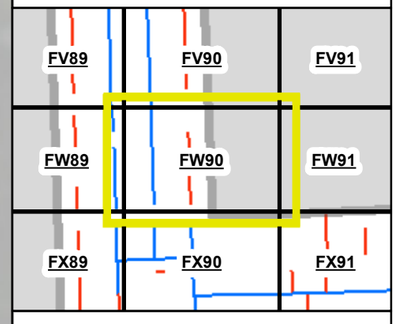
Future MDU Drop

Future MDU Drop

Conduit

MST Runs





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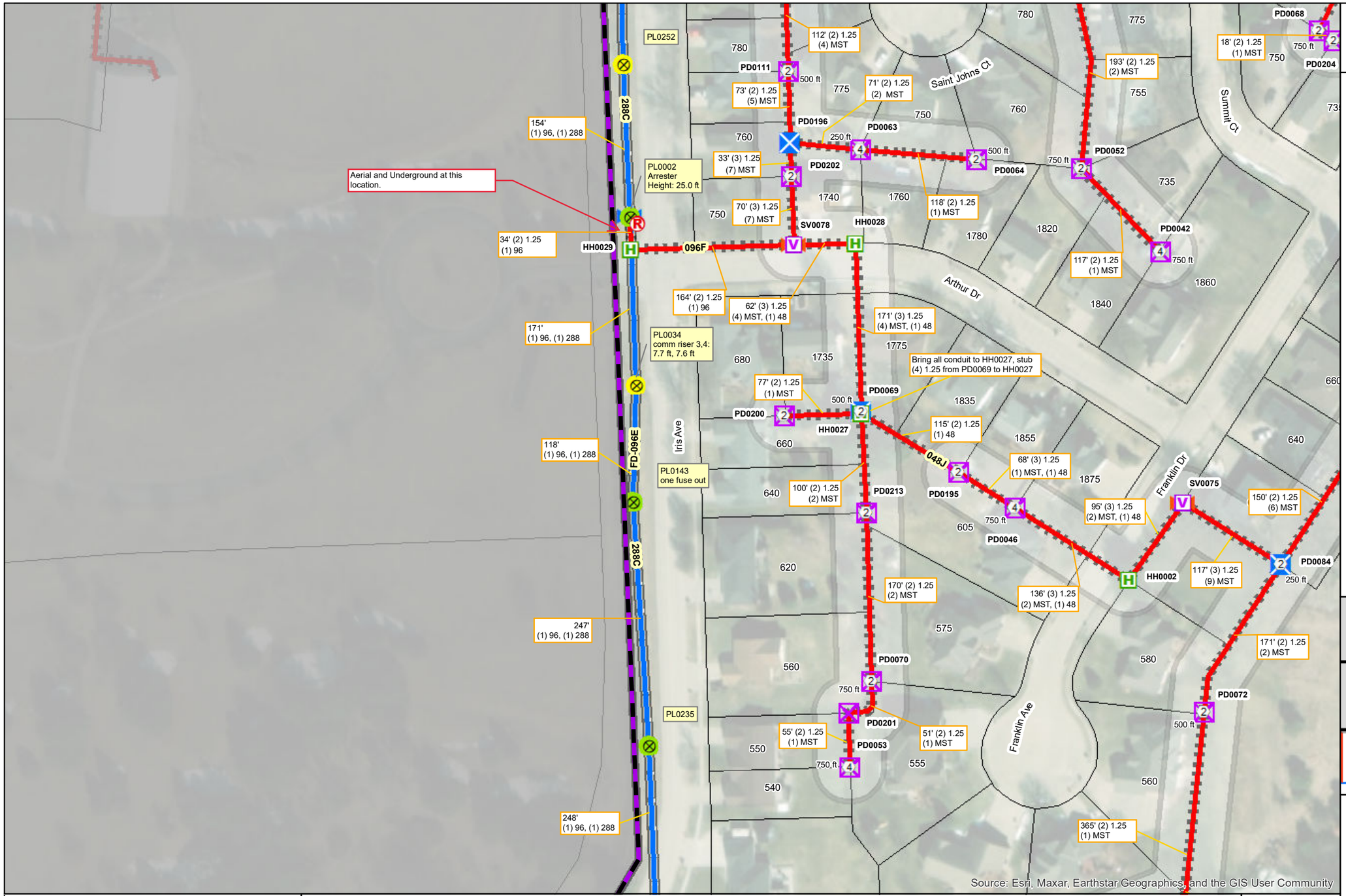


PON: CRE-01-04

DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT

- MST 4
- MST 2
- RISER

POLE

- Power
- Telecom

STRUCTURE

- Large PED
- Small PED
- T36 Vault
- T48 Vault

SPLICECLOSURE

- Underground
- Aerial

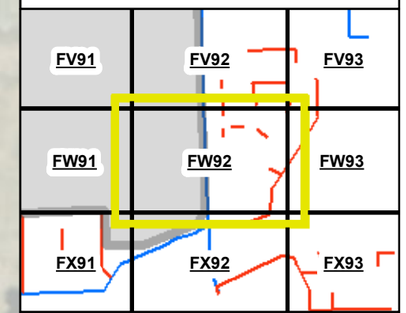
ROUTE

Placement Type

- UG Bore
- Aerial Strand
- Feeder Fiber

Future MDU Drop

- Future MDU Drop
- Conduit
- MST Runs



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PON: CRE-01-04

DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT

MST 2

STRUCTURE

Small PED

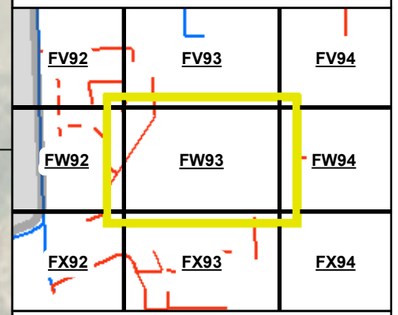
ROUTE

Placement Type

UG Bore

Conduit

MST Runs



Allo FIBER

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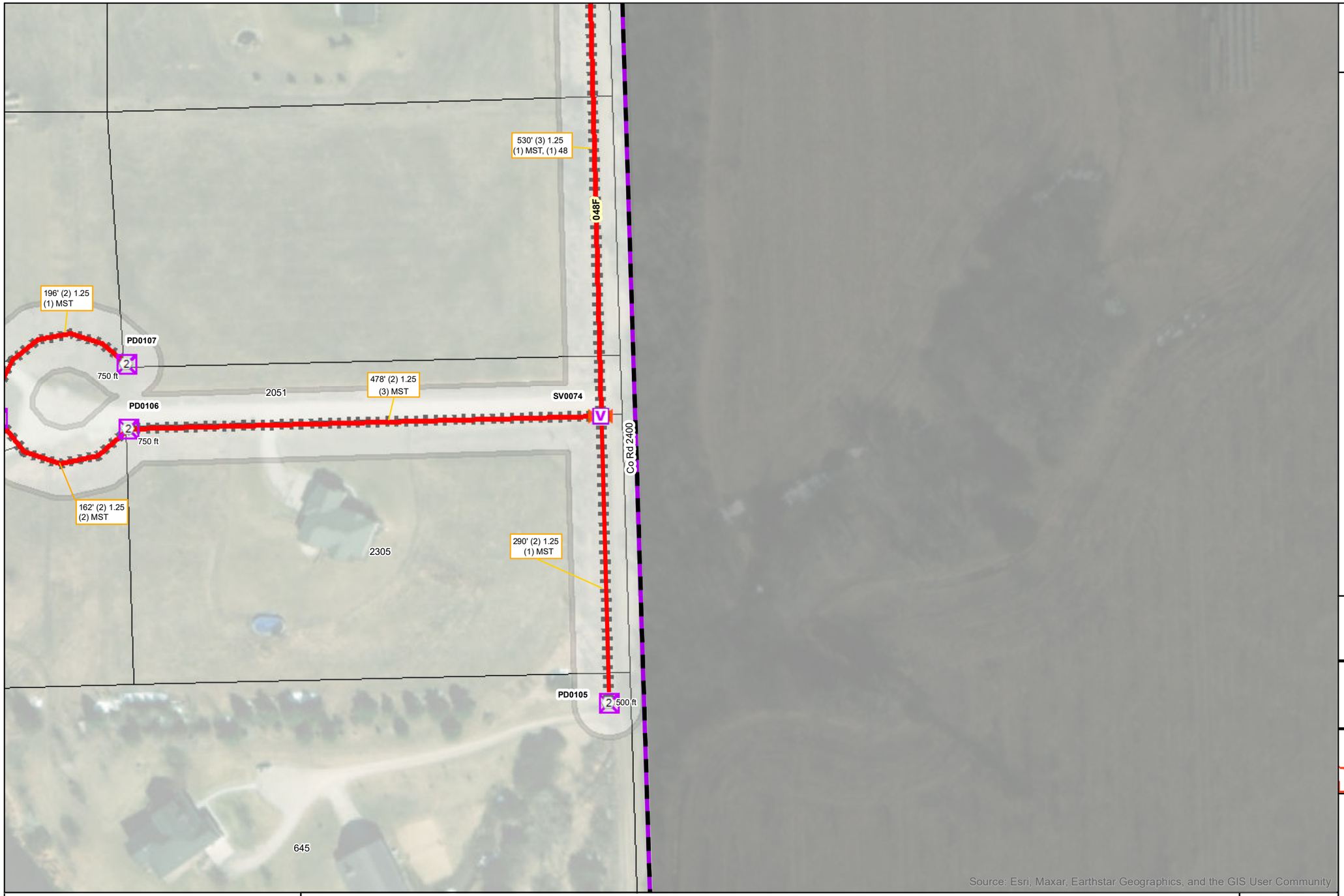
1 in = 100 ft



PON: CRE-01-04

DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT

2 MST 2

STRUCTURE

Small PED

V T48 Vault

SPLICECLOSURE

Underground

ROUTE

Placement Type

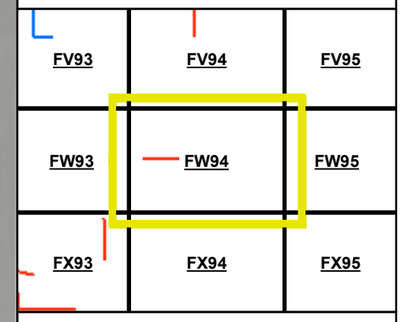
UG Bore

Future MDU Drop

Future MDU Drop

Conduit

MST Runs



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Revisions:

N

1 in = 100 ft

PON: CRE-01-04

DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT

- MST 6
- MST 4
- MST 2
- RISER

POLE

- Power
- Telecom

STRUCTURE

- 576 Cabinet
- Small PED
- T48 Vault
- T60 Vault

SPLICECLOSURE

- Underground
- Aerial

ROUTE

Placement Type

- UG Bore
- Aerial Strand
- Feeder Fiber

Future MDU Drop

- Future MDU Drop
- Conduit
- MST Runs

PD0094
750 ft
152' (2) 1.25
(1) MST
PD0093
750 ft
212' (2) 1.25
(2) MST
500 ft
PD0092
148' (2) 1.25
(3) MST
250 ft
PD0091
49' (2) 1.25
(4) MST
SV0077
128' (3) 1.25
(4) MST, (1) 48
048A
PD0090
250 ft
PD0102
500 ft
144' (2) 1.25
(1) 288
288B

91'
(1) MST
750 ft
PL0259
PL0184
750 ft
113'
(2) MST
PL0021
750 ft
112'
(3) MST
500 ft
PL0263
switch n.o. at
fuse height
154'
(6) MST, (1) 96, (1) 576, (1) 864
PL0146
250 ft
147'
(7) MST, (1) 96, (1) 576, (1) 864
MV0001
CAB0001
500 ft
PL0151

Maintenance Vault and PON Cabinet Location

E 6th St
E 5th St
E 4th St
E 3rd St
Kingwood Ave
Juniper Ave
Ivy Ave
Hawthorne Ave

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

FW88 FW89 FW90
FX88 FX89 FX90
FY88 FY89 FY90

Notes: All proposed conduit in ROW, unless otherwise noted.

Revisions:

N

1 in = 100 ft

PON: CRE-01-04

DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT

MST 4

MST 2

RISER

POLE

Power

Telecom

STRUCTURE

Com Box

Large PED

Small PED

T36 Vault

SPLICECLOSURE

Aerial

ROUTE

Placement Type

UG Bore

Aerial Strand

Feeder Fiber

Future MDU Drop

Future MDU Drop

Conduit

MST Runs

FW89 FW90 FW91

FX89 FX90 FX91

FY89 FY90 FY91

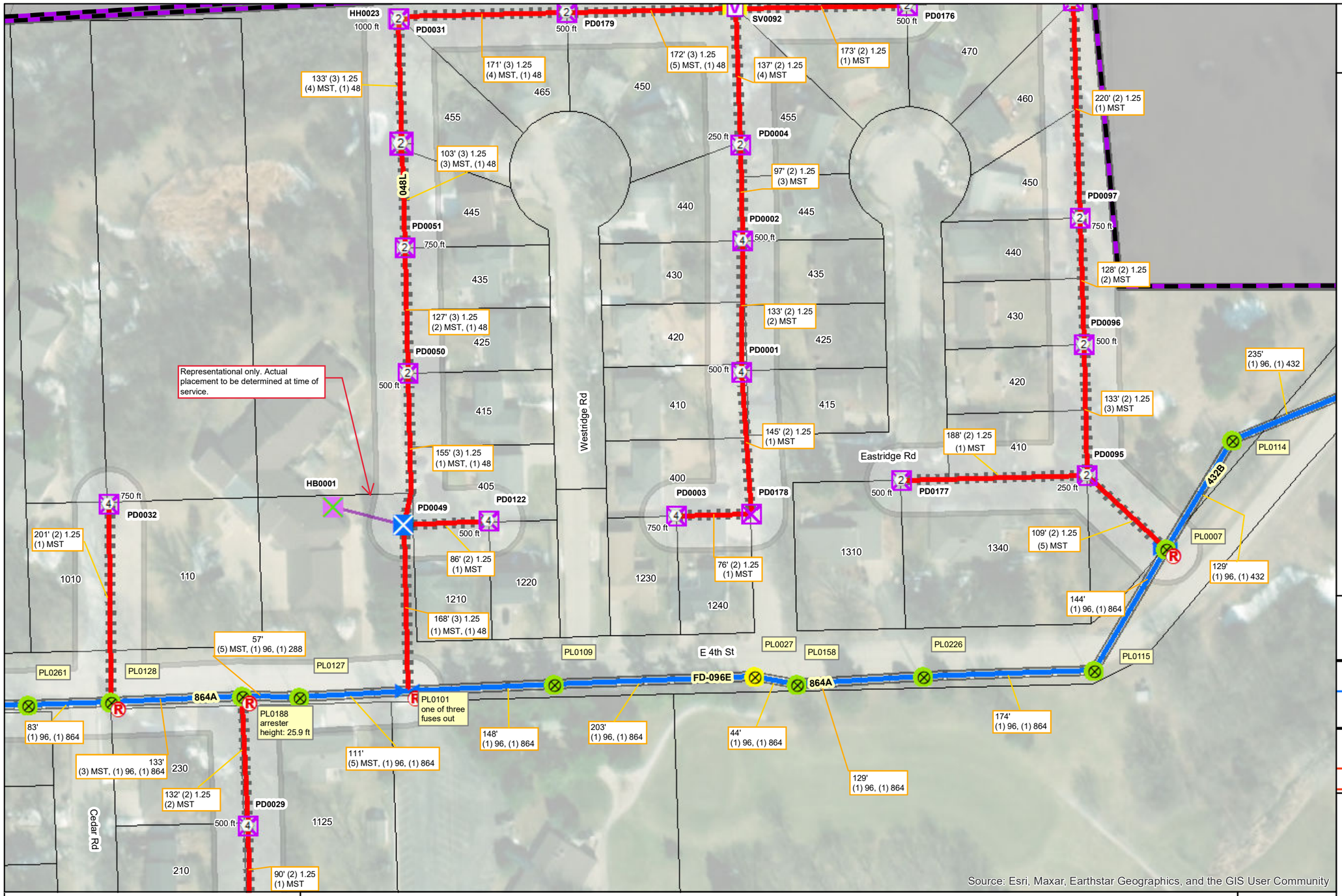
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Notes: All proposed conduit in ROW, unless otherwise noted.

Revisions:

N

1 in = 100 ft



PON: CRE-01-04

DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT

- MST 4
- MST 2
- RISER

POLE

- Power
- Telecom

STRUCTURE

- Com Box
- Large PED
- Small PED
- T36 Vault
- T48 Vault

SPLICECLOSURE

- <all other values>
- Aerial

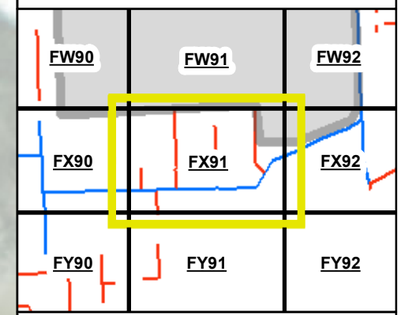
ROUTE

Placement Type

- UG Bore
- Aerial Strand
- Feeder Fiber

Future MDU Drop

- Future MDU Drop
- Conduit
- MST Runs



Notes: All proposed conduit in ROW, unless otherwise noted.

Revisions:

N

1 in = 100 ft

PON: CRE-01-04

DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT

MST 2

RISER

POLE

Power

STRUCTURE

Large PED

Small PED

T36 Vault

SPLICECLOSURE

Aerial

ROUTE

Placement Type

UG Bore

Aerial Strand

Feeder Fiber

Conduit

MST Runs

FW91 | FW92 | FW93

FX91 | FX92 | FX93

FY91 | FY92 | FY93

PL0035
Prim_Dist_3:
29.8 ft

288C

151'
(1) 96, (1) 432

Iris Ave

PL0093
switch n.c. at
prim dist height

PL0133

151'
(1) 96, (1) 432

PL0062

432B

FD-096E

133'
(1) 96, (1) 432

PL0152

E 4th St

175'
(1) 96, (1) 288

235'
(1) 96, (1) 432

370'
(1) 96

0960

PL0237

245'
(1) 96

Co Rd 2350

HH0013

62' (3) 1.25
(2) MST, (1) 96

PL0083

Aerial and Underground at this location.

PD0071

1000 ft

365' (1) 1.25
(1) MST

535

1850

1875

1700

PD0180

096G

354' (3) 1.25
(1) MST, (1) 96

Saint Ardrews Dr

308' (3) 1.25
(2) MST, (1) 96

1855

1805

PD0184

1250

160' (2) 1.25
(1) MST

PD0056

1000 ft

358' (2) 1.25
(2) MST

PD0121

1000 ft

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

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Revisions:

N

1 in = 100 ft

PON: CRE-01-04

DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT

- MST 4
- MST 2

STRUCTURE

- Large PED
- Small PED
- T36 Vault
- T48 Vault

SPLICECLOSURE

- Underground

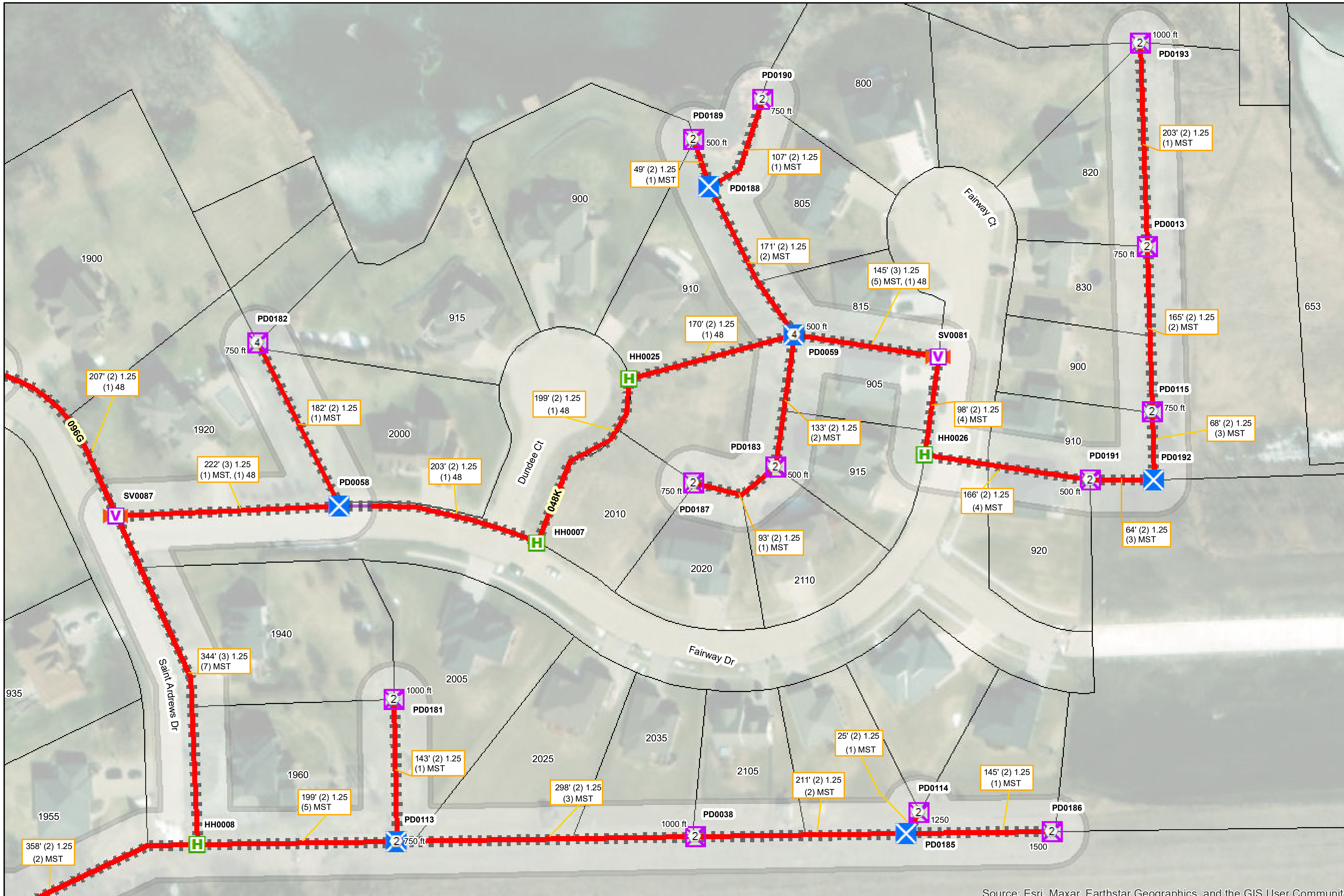
ROUTE

Placement Type

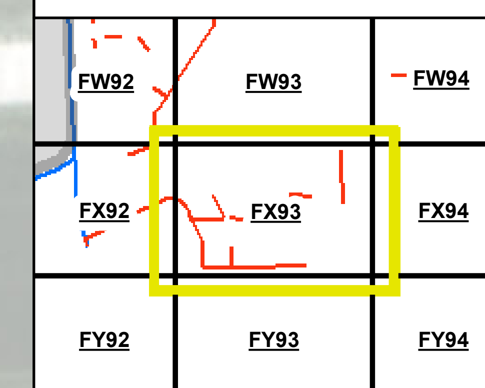
- UG Bore

Future MDU Drop

- Future MDU Drop
- Conduit
- MST Runs



PD0193
1000 ft
203' (2) 1.25
(1) MST
PD0190
750 ft
PD0189
500 ft
107' (2) 1.25
(1) MST
49' (2) 1.25
(1) MST
PD0188
171' (2) 1.25
(2) MST
145' (3) 1.25
(5) MST, (1) 48
PD0013
750 ft
Fairway Ct
165' (2) 1.25
(2) MST
170' (2) 1.25
(1) 48
500 ft
PD0059
SV0081
HH0025
PD0182
750 ft
207' (2) 1.25
(1) 48
182' (2) 1.25
(1) MST
199' (2) 1.25
(1) 48
133' (2) 1.25
(2) MST
98' (2) 1.25
(4) MST
PD0115
750 ft
68' (2) 1.25
(3) MST
HH0026
PD0191
PD0192
PD0183
500 ft
222' (3) 1.25
(1) MST, (1) 48
203' (2) 1.25
(1) 48
Dundee Ct
096G
048K
SV0087
PD0058
HH0007
750 ft
PD0187
93' (2) 1.25
(1) MST
166' (2) 1.25
(4) MST
500 ft
64' (2) 1.25
(3) MST
Fairway Dr
Saint Andrews Dr
344' (3) 1.25
(7) MST
1000 ft
PD0181
143' (2) 1.25
(1) MST
25' (2) 1.25
(1) MST
211' (2) 1.25
(2) MST
145' (2) 1.25
(1) MST
298' (2) 1.25
(3) MST
199' (2) 1.25
(5) MST
PD0114
PD0186
HH0008
PD0113
750 ft
1000 ft
PD0038
1250
PD0185
1500
358' (2) 1.25
(2) MST
1900
1920
2000
900
910
915
800
805
815
820
830
900
905
910
915
920
653
2010
2020
2110
1940
2005
2025
2035
2105
1960
1955
935
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



Allo FIBER

Nebraska 811

Notes: All proposed conduit in ROW, unless otherwise noted.

Revisions:

N

1 in = 100 ft

PON: CRE-01-04

DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT

- MST 6
- MST 4
- MST 2

STRUCTURE

- Large PED
- Small PED
- T36 Vault
- T48 Vault

SPLICECLOSURE

- <all other values>
- Underground
- Aerial

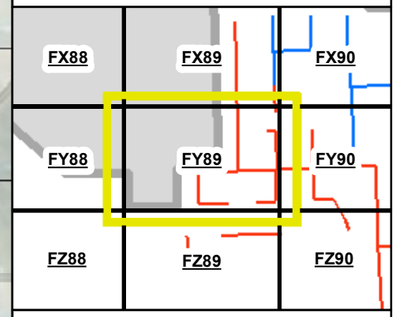
ROUTE

Placement Type

- UG Bore
- Aerial Strand

Future MDU Drop

- Future MDU Drop
- Conduit
- MST Runs



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Notes: All proposed conduit in ROW, unless otherwise noted.

Revisions:

N

1 in = 100 ft

PON: CRE-01-04
DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT
- MST 4
- MST 2

POLE
- Power
- Telecom

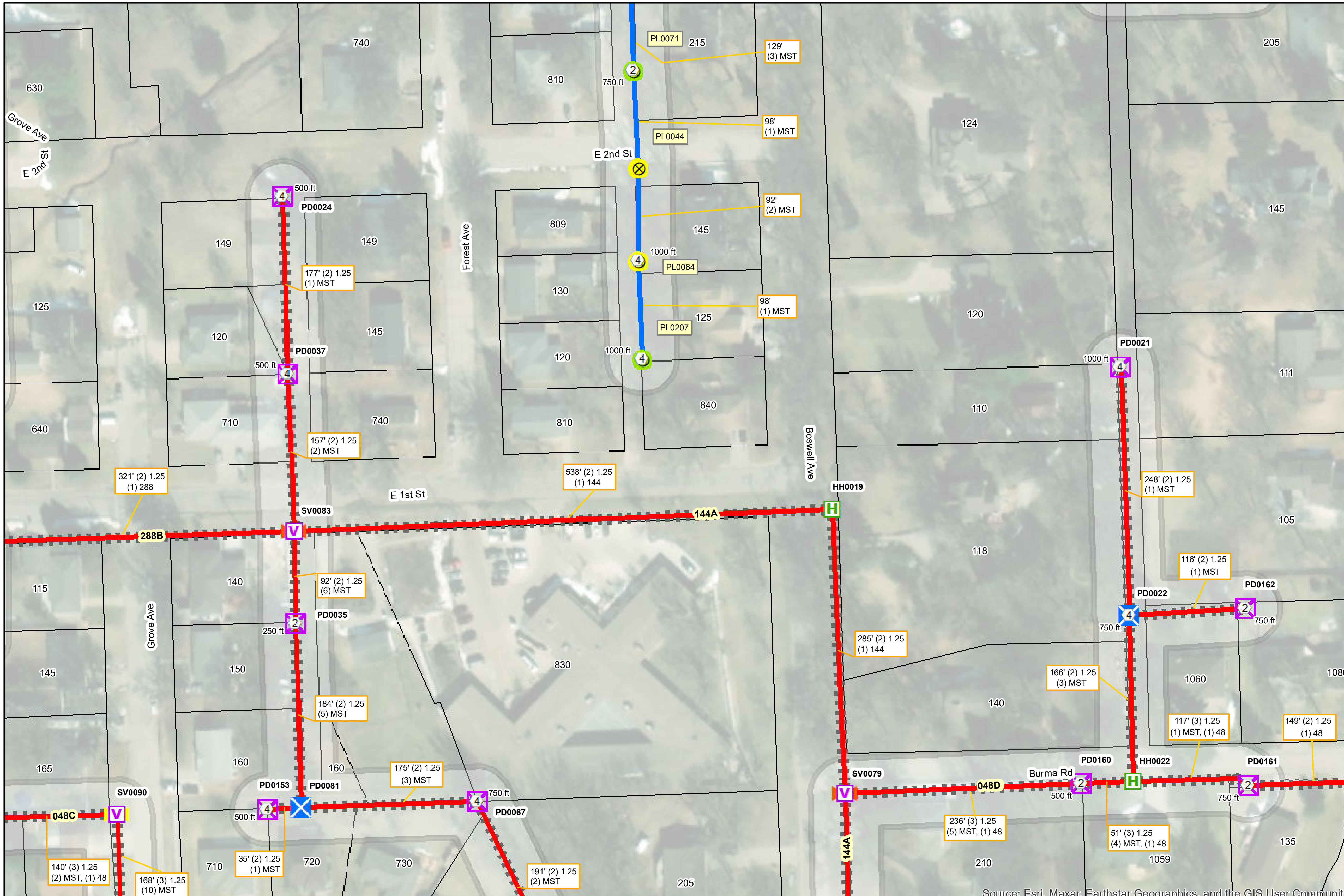
STRUCTURE
- Large PED
- Small PED
- T36 Vault
- T48 Vault

SPLICECLOSURE
- <all other values>
- Underground

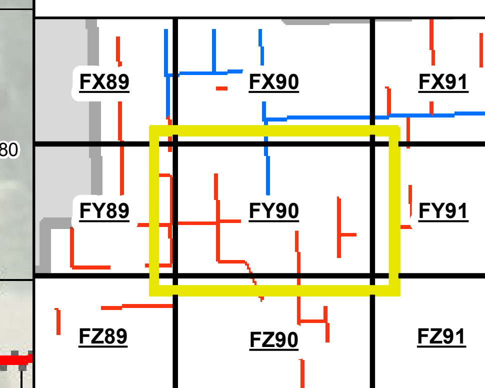
ROUTE

Placement Type
- UG Bore
- Aerial Strand

Future MDU Drop
- Future MDU Drop
- Conduit
- MST Runs



PL0071
215
129' (3) MST
740
630
810
750 ft
Grove Ave
E 2nd St
98' (1) MST
PL0044
E 2nd St
124
205
500 ft
PD0024
149
149
809
92' (2) MST
145
145
Forest Ave
1000 ft
PL0064
177' (2) 1.25 (1) MST
130
98' (1) MST
125
125
120
145
PL0207
120
PD0037
120
1000 ft
500 ft
PD0021
1000 ft
111
710
740
810
840
110
640
157' (2) 1.25 (2) MST
Boswell Ave
321' (2) 1.25 (1) 288
538' (2) 1.25 (1) 144
248' (2) 1.25 (1) MST
E 1st St
HH0019
SV0083
144A
288B
105
118
115
140
92' (2) 1.25 (6) MST
116' (2) 1.25 (1) MST
PD0162
PD0022
PD0035
250 ft
750 ft
750 ft
Grove Ave
285' (2) 1.25 (1) 144
145
150
830
166' (2) 1.25 (3) MST
1060
1080
184' (2) 1.25 (5) MST
140
117' (3) 1.25 (1) MST, (1) 48
149' (2) 1.25 (1) 48
165
160
160
175' (2) 1.25 (3) MST
Burma Rd
PD0160
HH0022
PD0161
SV0090
PD0153
PD0081
750 ft
SV0079
048D
048C
500 ft
PD0067
500 ft
750 ft
140' (3) 1.25 (2) MST, (1) 48
168' (3) 1.25 (10) MST
710
35' (2) 1.25 (1) MST
720
730
191' (2) 1.25 (2) MST
205
144A
236' (3) 1.25 (5) MST, (1) 48
51' (3) 1.25 (4) MST, (1) 48
210
1059
135
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



Allo FIBER

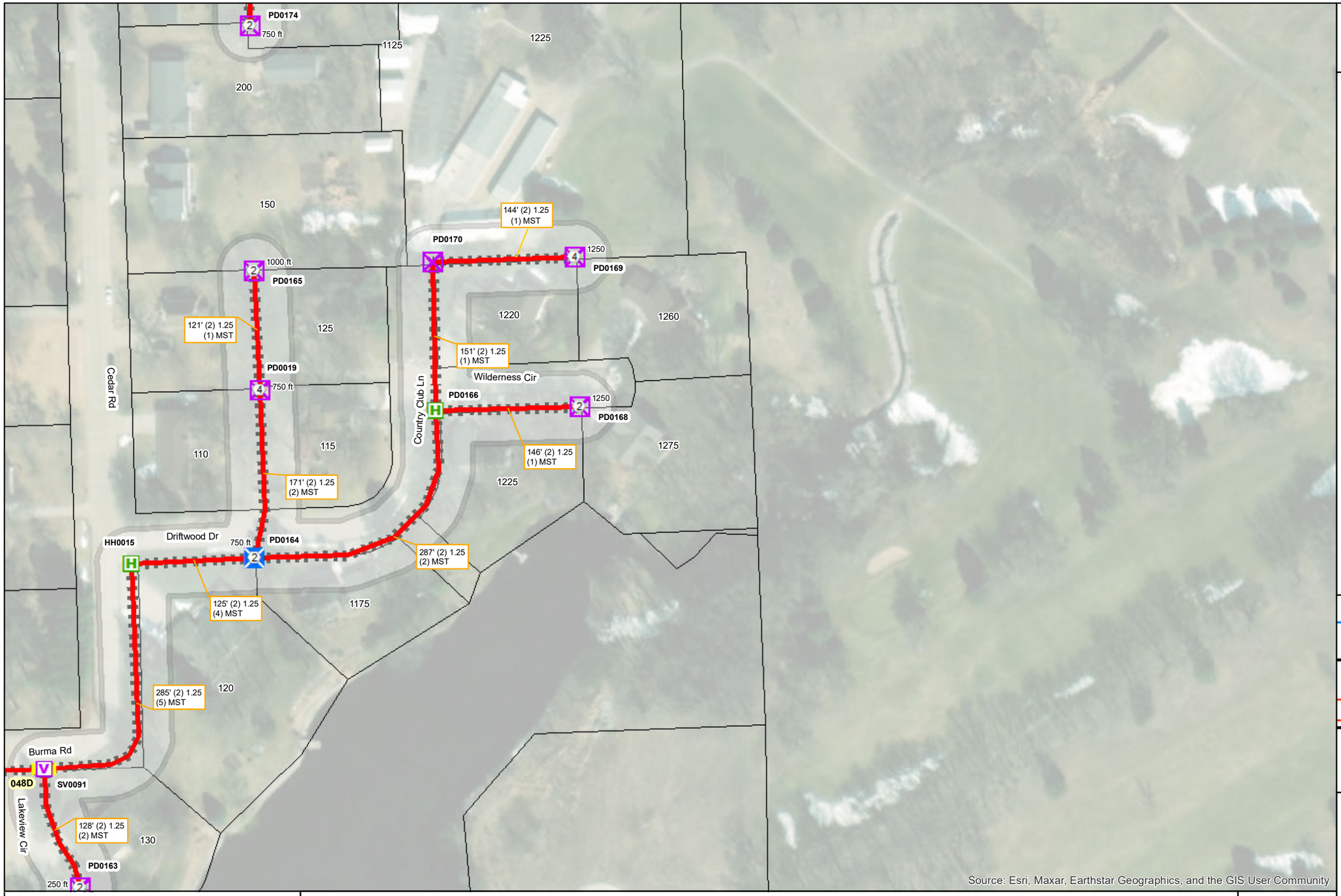
Nebraska 811 Know what's below. Call before you dig.

Notes: All proposed conduit in ROW, unless otherwise noted.

Revisions:

N

1 in = 100 ft



PON: CRE-01-04

DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT

MST 4

MST 2

STRUCTURE

Large PED

Small PED

T36 Vault

T48 Vault

SPLICECLOSURE

<all other values>

ROUTE

Placement Type

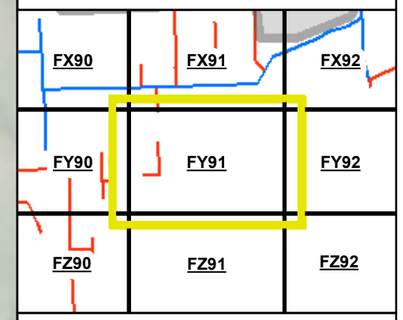
UG Bore

Future MDU Drop

Future MDU Drop

Conduit

MST Runs



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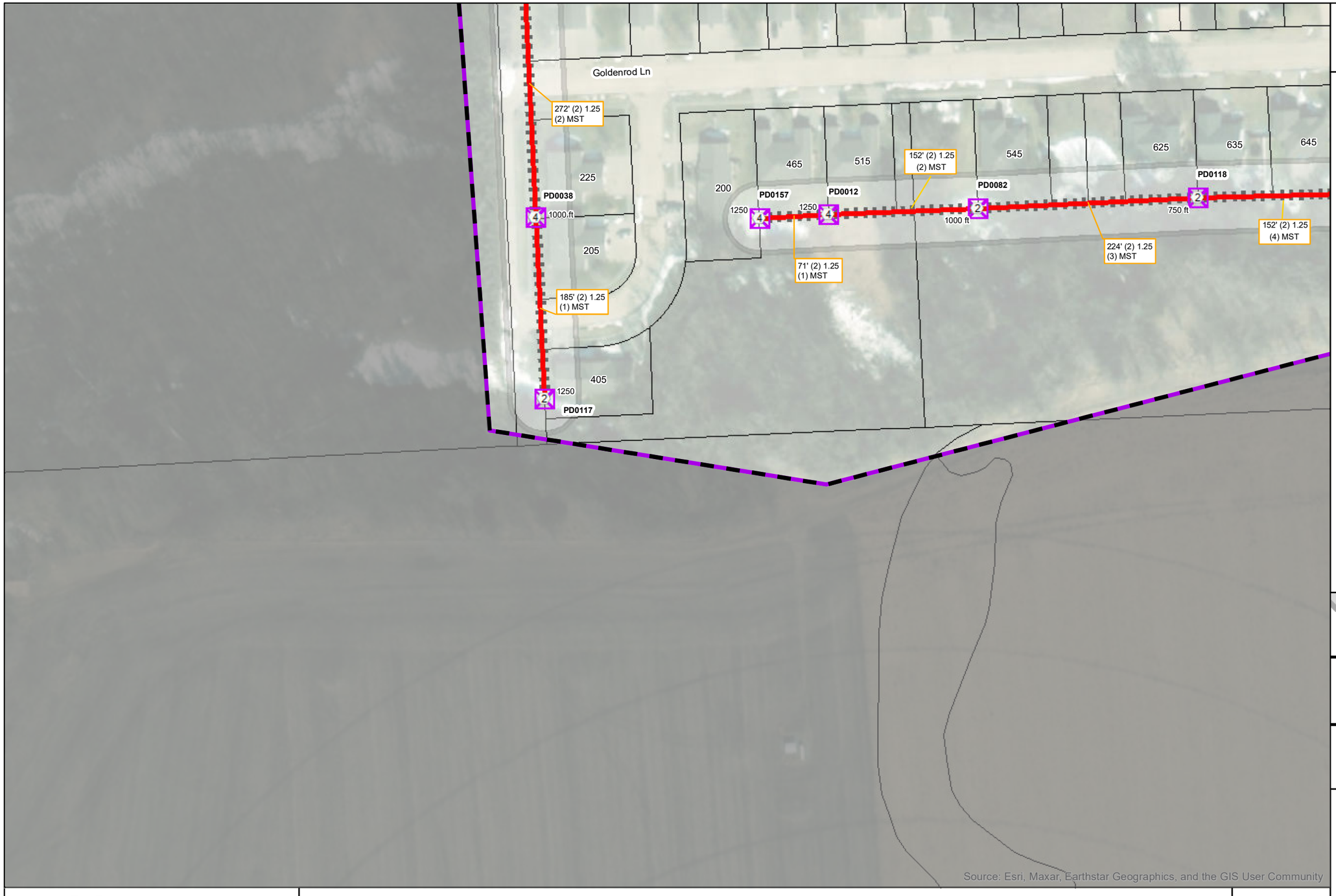


PON: CRE-01-04

DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT

4 MST 4

2 MST 2

STRUCTURE

Small PED

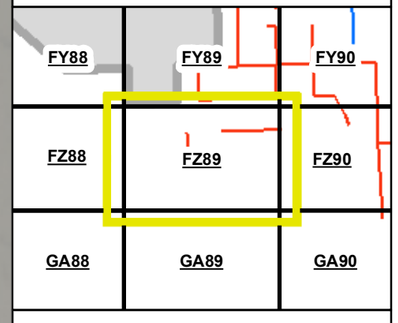
ROUTE

Placement Type

UG Bore

Conduit

MST Runs



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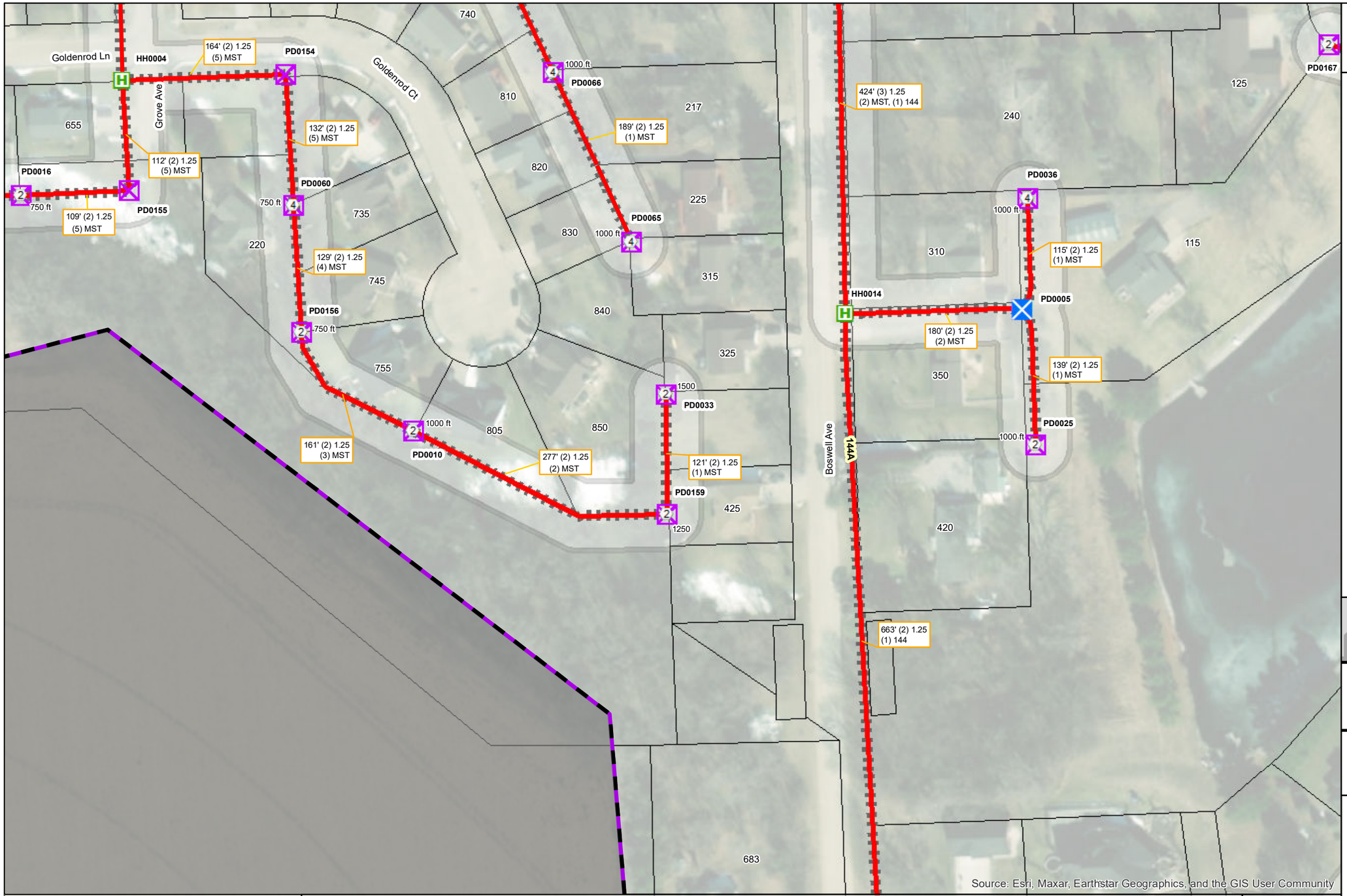
Revisions:

N

1 in = 100 ft



PON: CRE-01-04

DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT

- MST 4
- MST 2

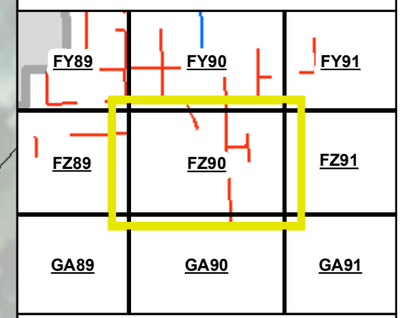
STRUCTURE

- Large PED
- Small PED
- T36 Vault

ROUTE

Placement Type

- UG Bore
- Conduit
- MST Runs



Allo FIBER

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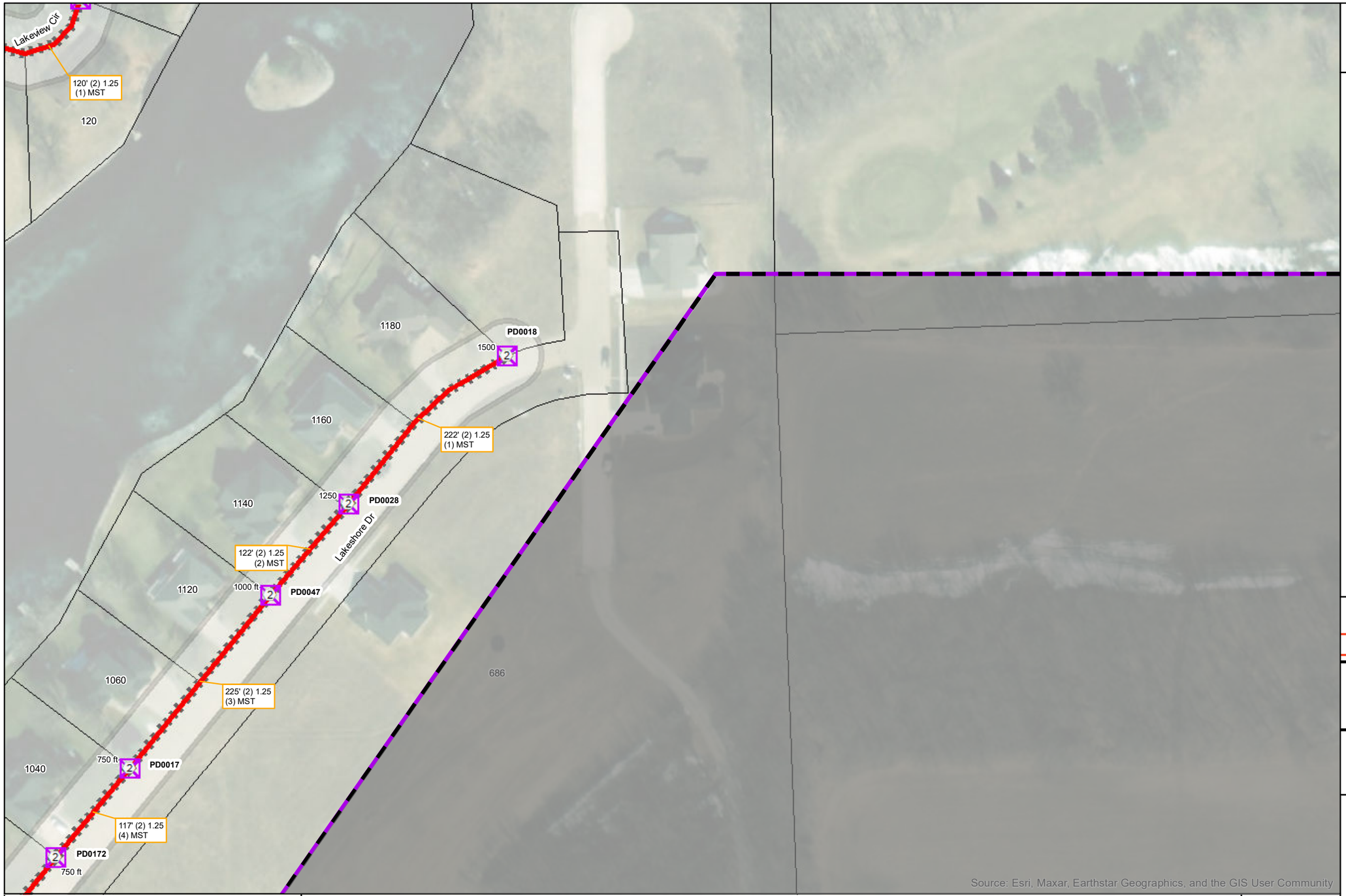

PON: CRE-01-04

DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT

MST 2

STRUCTURE

Small PED

ROUTE

Placement Type

UG Bore

Conduit

MST Runs

FY90	FY91	FY92
FZ90	FZ91	FZ92
GA90	GA91	GA92

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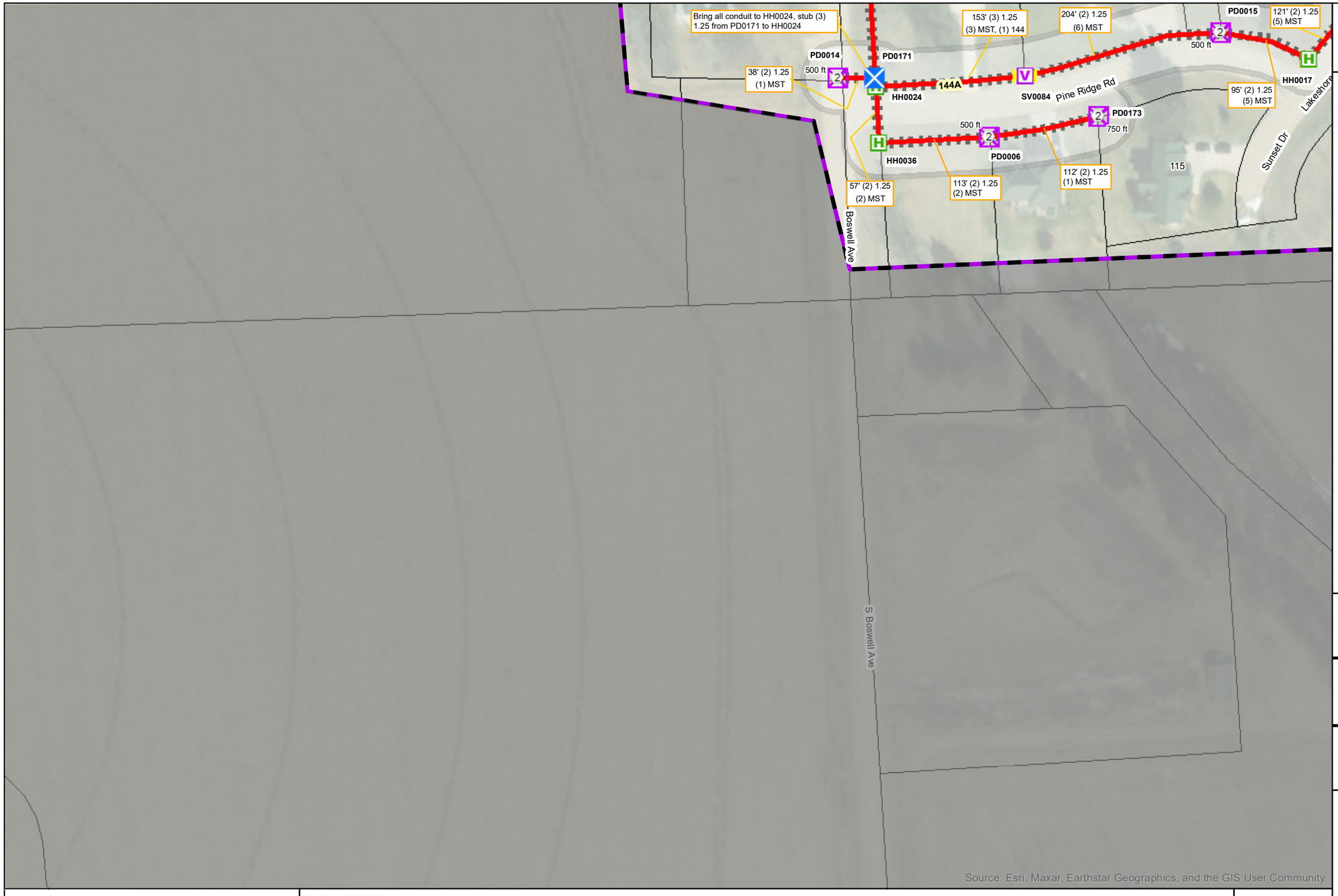
Revisions:

N

1 in = 100 ft



PON: CRE-01-04

DCR: DCR-187

PERMIT:

LEGEND Date: 5/2/2023

PON

FIBEREQUIPMENT

MST 2

STRUCTURE

Large PED

Small PED

T36 Vault

T48 Vault

SPLICECLOSURE

<all other values>

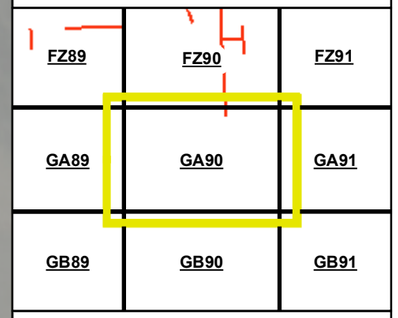
ROUTE

Placement Type

UG Bore

Conduit

MST Runs



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