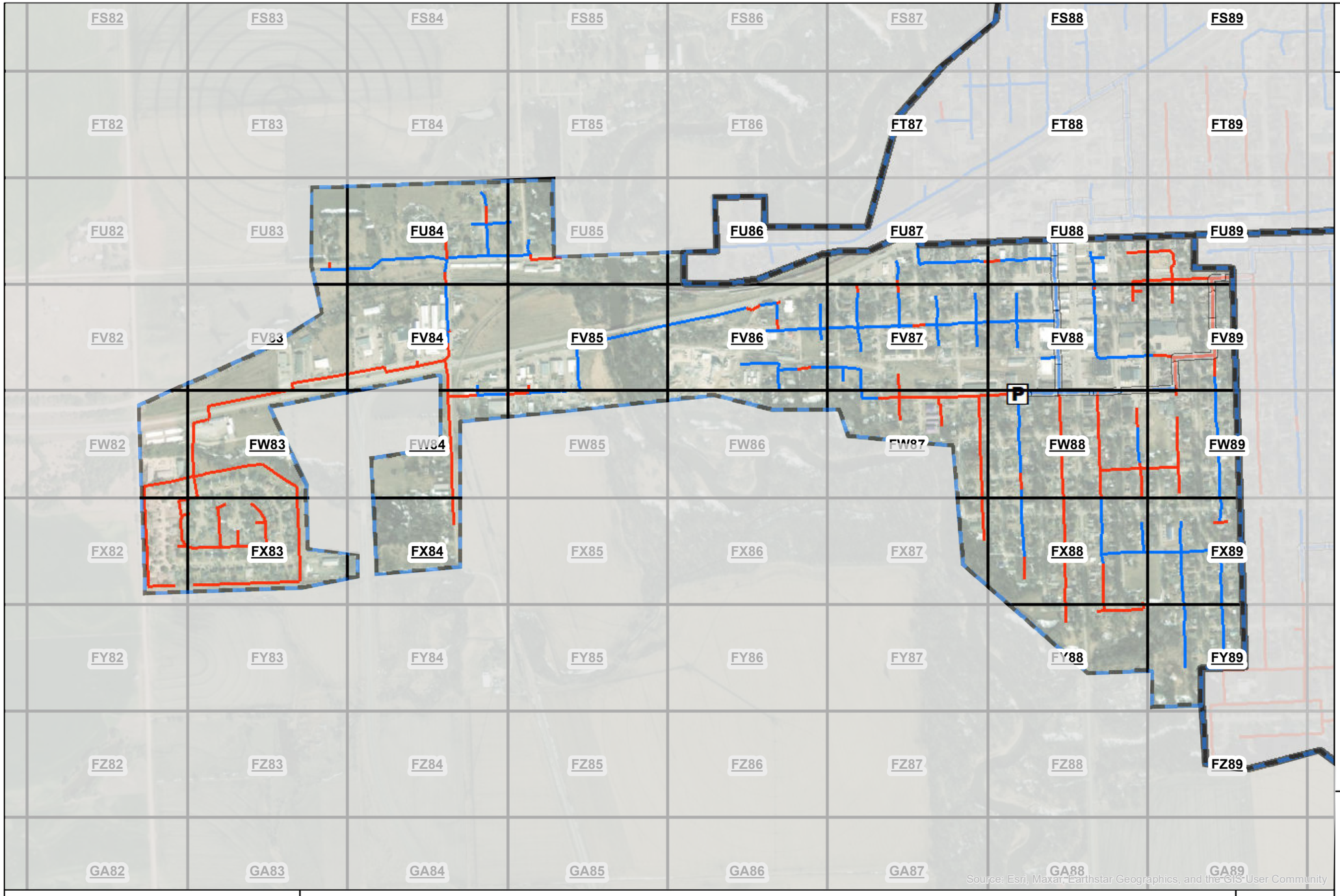

PON: CRE-01-03

DCR: DCR-187

PERMIT:

LEGEND Date: 5/18/2023

PON

P 1152 PON Cabinet

Cable Category

Feeder

ROUTE

Underground

Aerial

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

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Notes:Typical phasing is starting at the top left grid (FU84) and moving to the bottom right grid (FY89).
All proposed conduit in ROW, unless otherwise noted.

Revisions:

N

1 in = 831 ft

ROW CONSTRUCTION PROJECT NOTES

PON: CRE-01-03

DCR: DCR-187

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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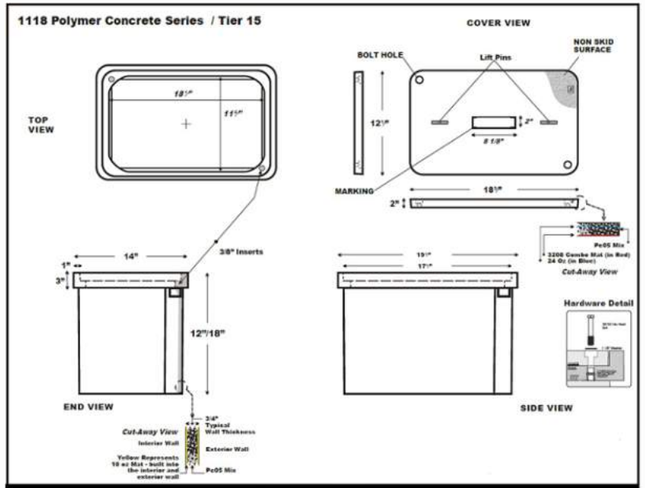


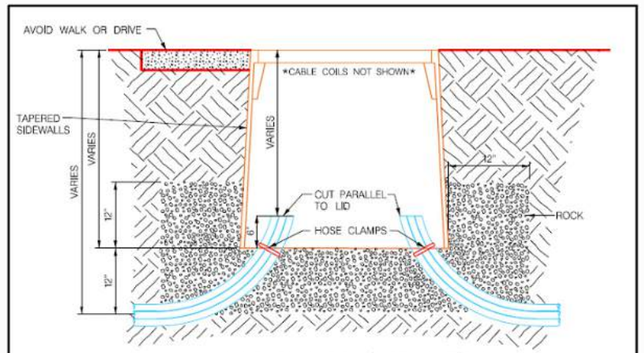
DESCRIPTION	NORMAL SIZE W x L x D	LOAD RATING	ANSI TIER	PART NUMBER
Box & Cover Assembly	12" x 18" x 18"	60lbS	15	1118

ALLO PULL BOX

NOTES:

T18

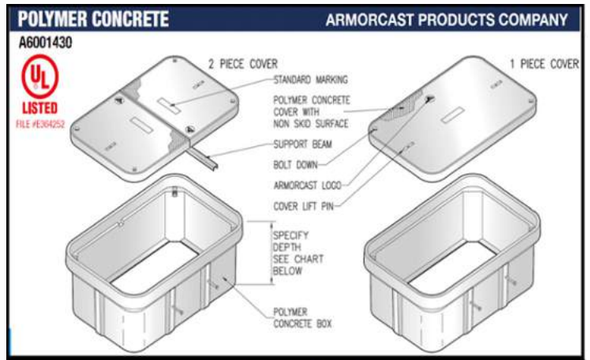
1. ALLO PULL BOX SHALL HAVE 2 PIECE COVER
2. ALLO PULL BOX SHALL BE LABELED "FIBER OPTICS"



ALLO PULL BOX INSTALLATION

NOTES:

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



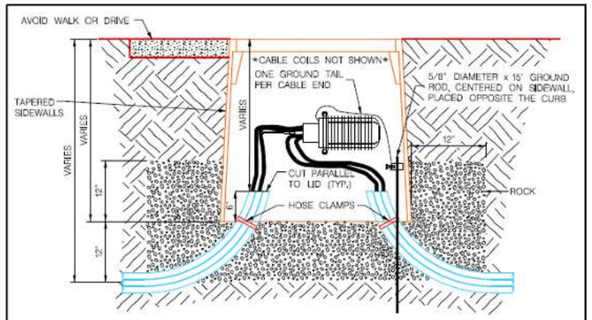
DESCRIPTION	NORMAL SIZE W x L x D	LOAD RATING	ANSI TIER	PART NUMBER
Box & Cover Assembly	30" x 48" x 36"	20K	15	A6001430TAPCX36

ALLO SPLICE VAULT AND CITY T48 PULL BOX

NOTES:

T48

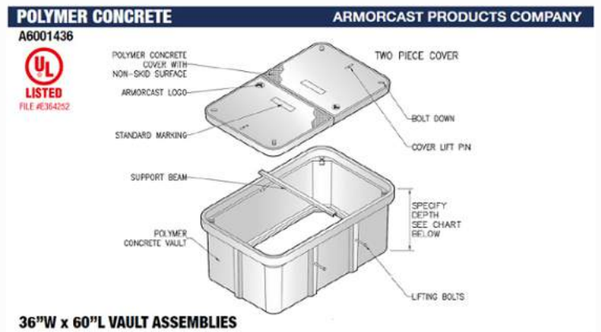
1. ALLO SPLICE VAULT SHALL HAVE 1 PIECE COVER
2. CITY T48 PULL BOX SHALL HAVE 2 PIECE COVER
3. ALLO SPLICE VAULT SHALL BE LABELED "FIBER OPTICS"
4. CITY T48 PULL BOX SHALL BE LABELED "FIBER"



ALLO SPLICE VAULT INSTALLATION

NOTES:

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



36"W x 60"L VAULT ASSEMBLIES

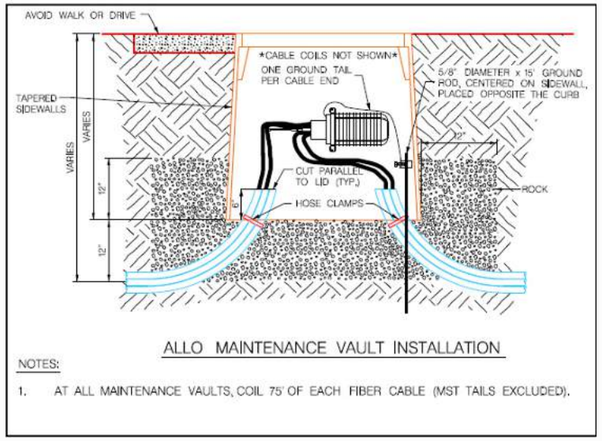
DESCRIPTION	NORMAL SIZE W x L x D	LOAD RATING	ANSI TIER	PART NUMBER
Box & Cover Assembly	36" x 60" x 36"	20K	15	A6001436TAPCX36

ALLO MAINTENANCE VAULT

NOTES:

T60

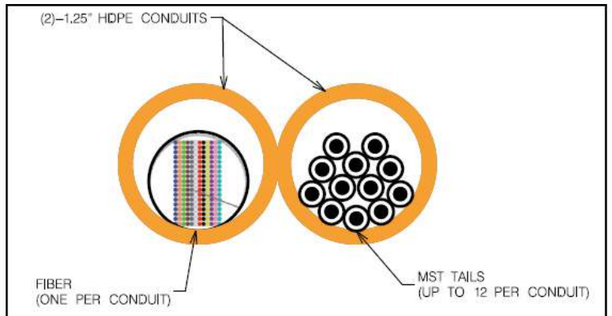
1. ALLO MAINTENANCE VAULT SHALL HAVE 2 PIECE COVER
2. ALLO MAINTENANCE VAULT SHALL BE LABELED "FIBER OPTICS"



ALLO MAINTENANCE VAULT INSTALLATION

NOTES:

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



TYPICAL CONDUIT CROSS SECTION

Typicals

PON: CRE-01-03

DCR: DCR-187

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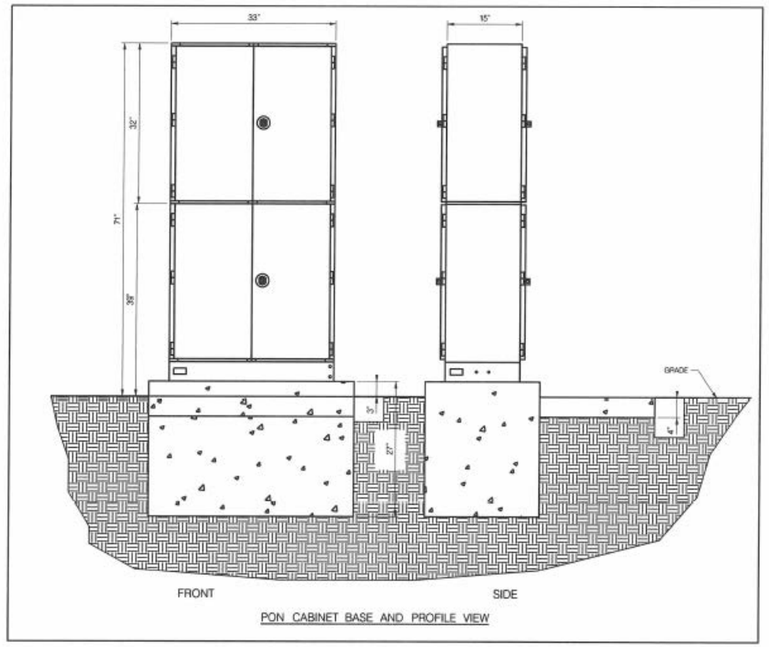
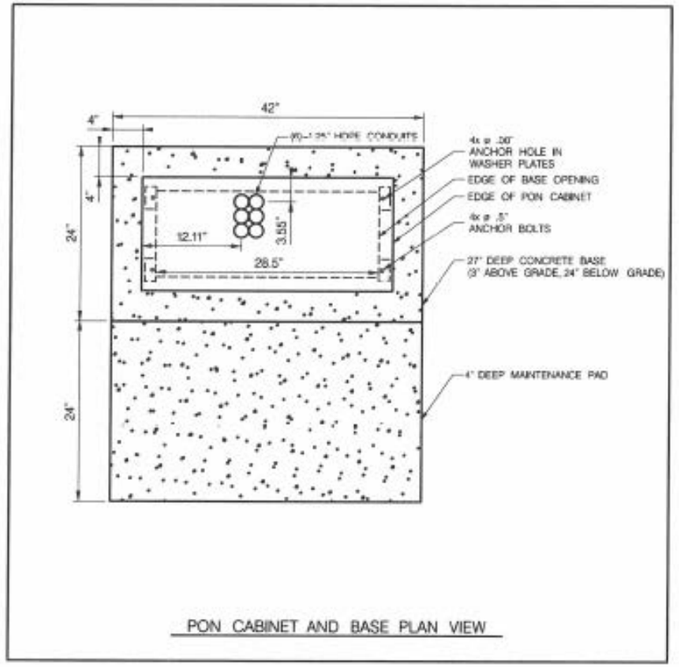


PON CABINET BASE AND PROFILE VIEW



PON CABINET AND BASE PLAN VIEW

Typicals

PON: CRE-01-03

DCR: DCR-187

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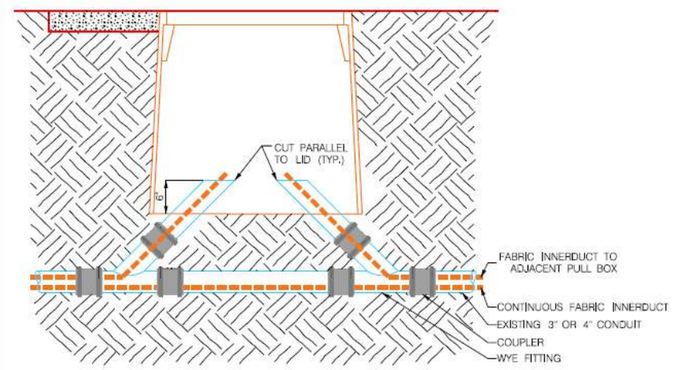
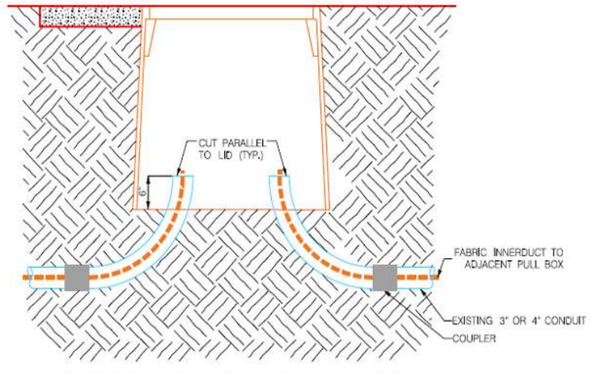
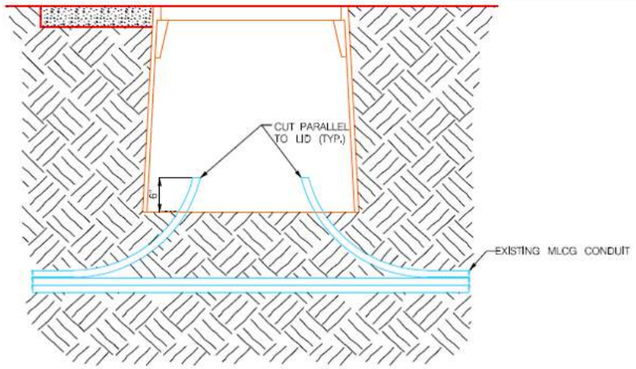
PON: CRE-01-03
DCR: DCR-187



CAPTURE 3" OR 4" CONDUIT WITH EXISTING FIBER DETAIL



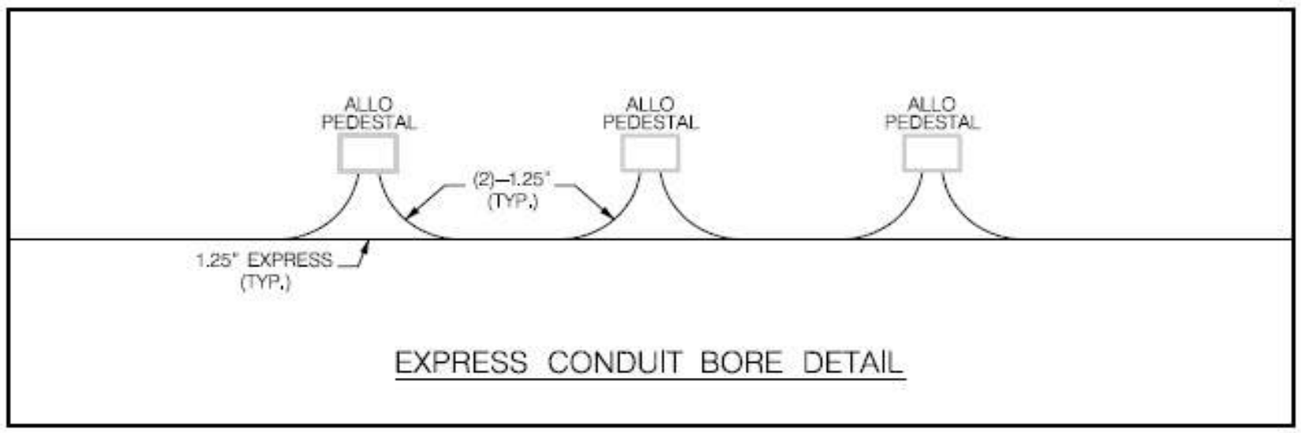
CAPTURE EMPTY 3" OR 4" CONDUIT DETAIL



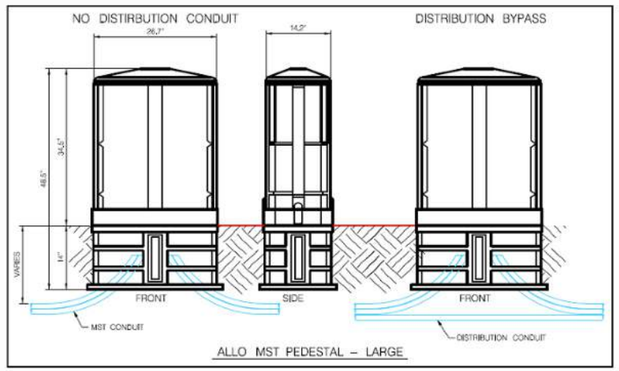
CAPTURE MLCG DETAIL

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.

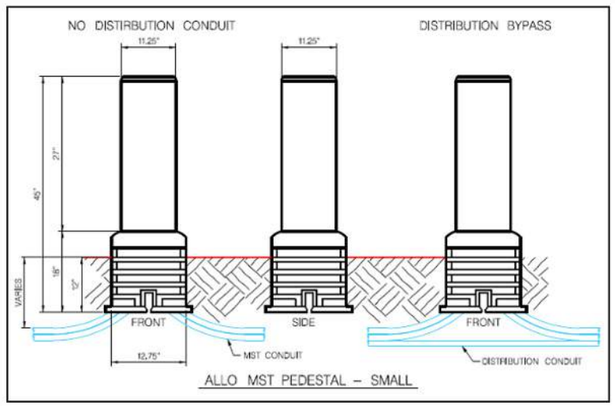
Express Conduit are detailed by midspan call outs.
48f - 288f, 1 - 1.25" per cable Should be expressed to T36, T48, T60 boxes bypassing pedestals.
432f - 864, 1 - 2.0" per cable Should be expressed to T36, T48, T60 boxes bypassing pedestals.



EXPRESS CONDUIT BORE DETAIL



ALLO MST PEDESTAL – LARGE



ALLO MST PEDESTAL – SMALL

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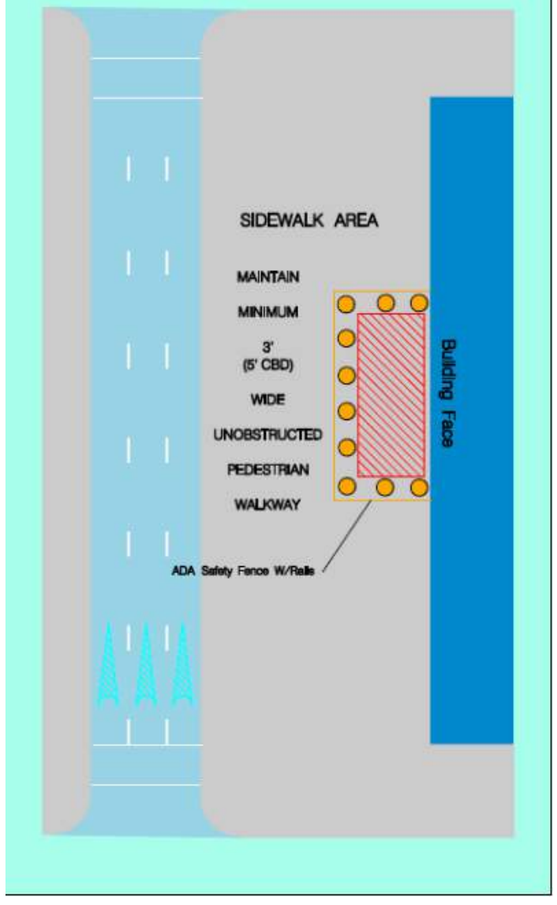
12

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.

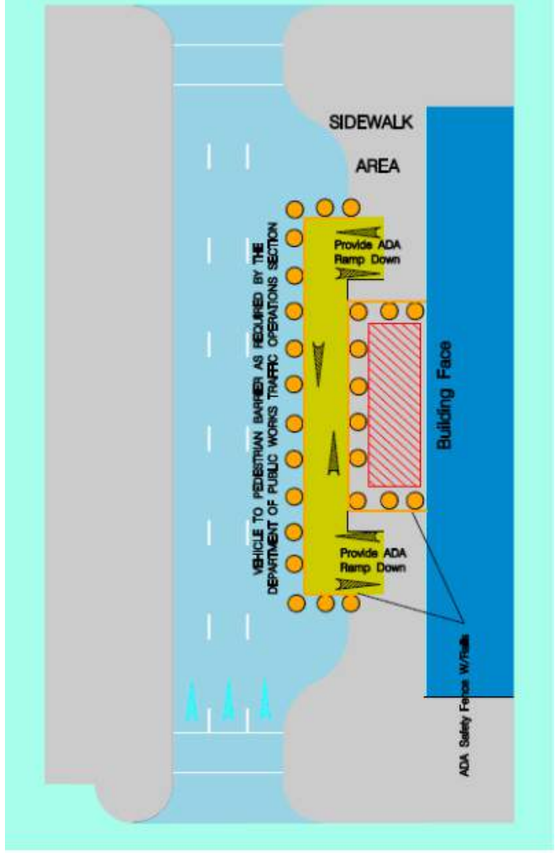


13

WORK IN THE PEDESTRIAN AREAS

PEDESTRIAN DETOUR IN CENTRAL BUSINESS DISTRICT(CBD)

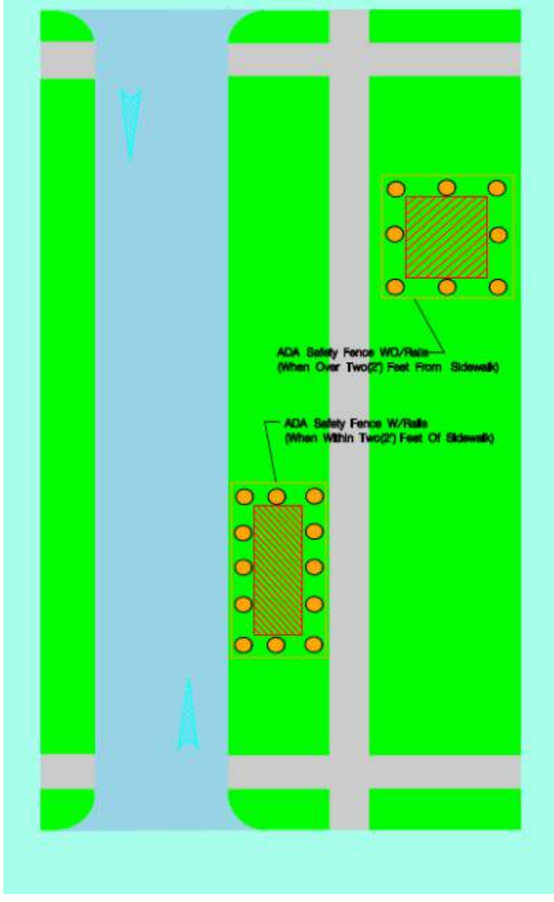
Maintain a minimum of 5' unobstructed pedestrian walkway around the work zone using constructed walkway or protected area as designated by the Department of Public Works Traffic Operations Section.



14

WORK IN THE PEDESTRIAN AREAS

Protection of Excavations & Hazards not in roadways or sidewalks



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Traffic A1 OF A9

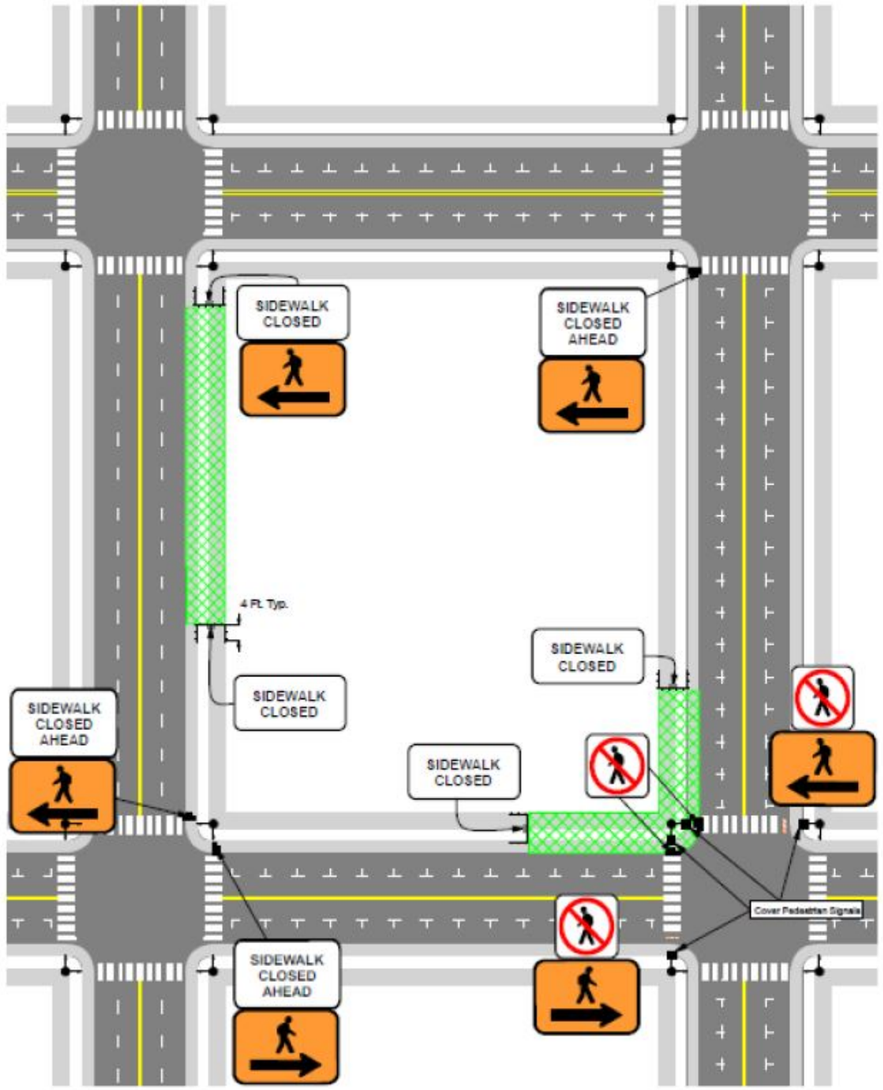
N

Sidewalk Closure

PON: CRE-01-03
DCR: DCR-187

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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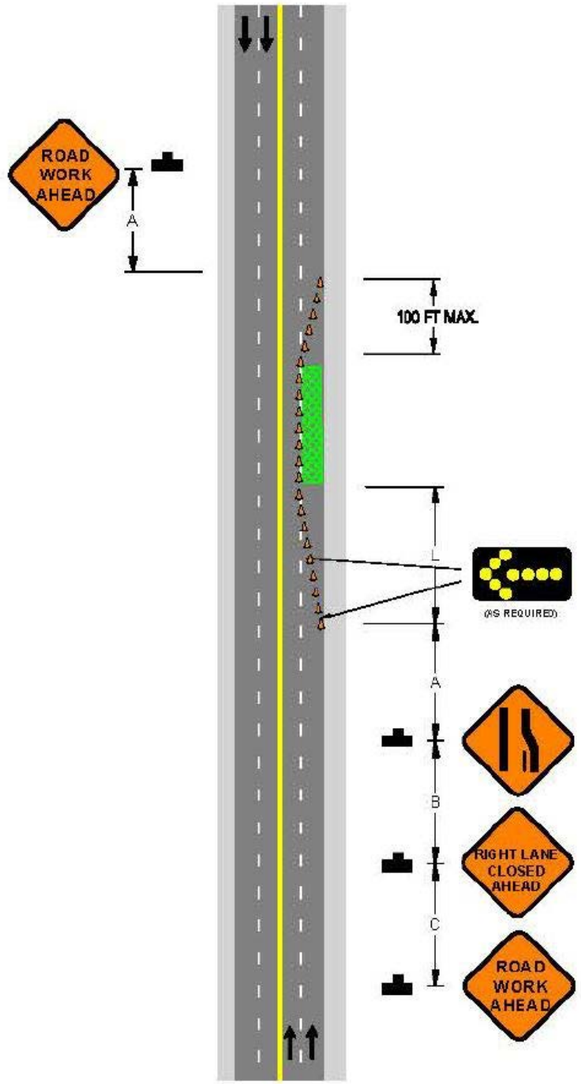
Traffic A2 OF A9

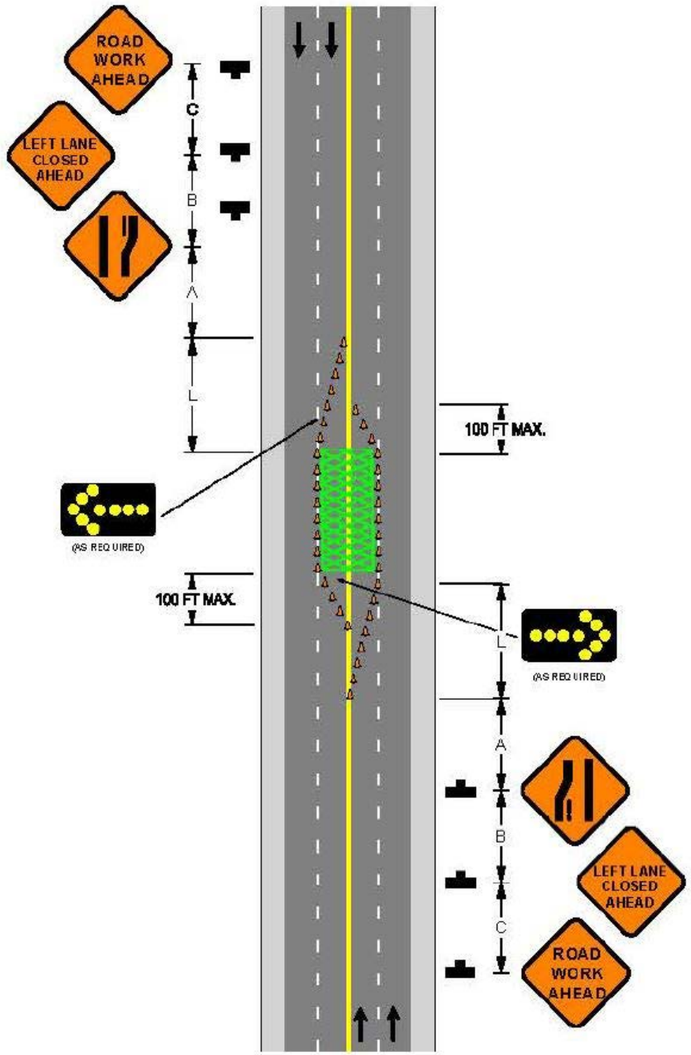
N

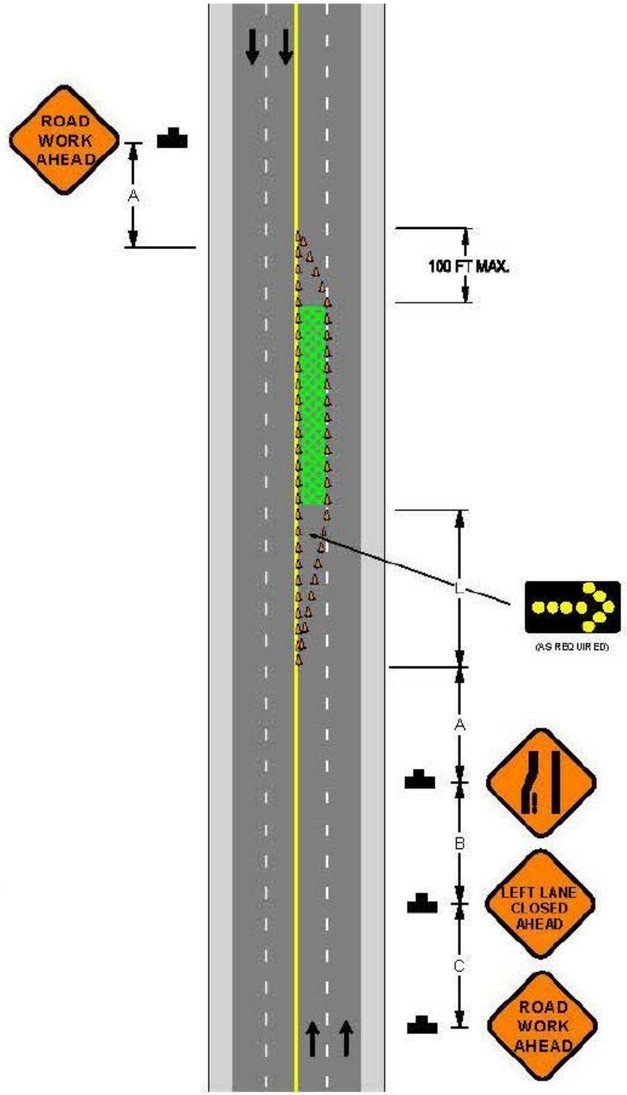
Through Lane Closures on Higher Volume Streets (Collectors, Arterials Etc..)

PON: CRE-01-03
DCR: DCR-187

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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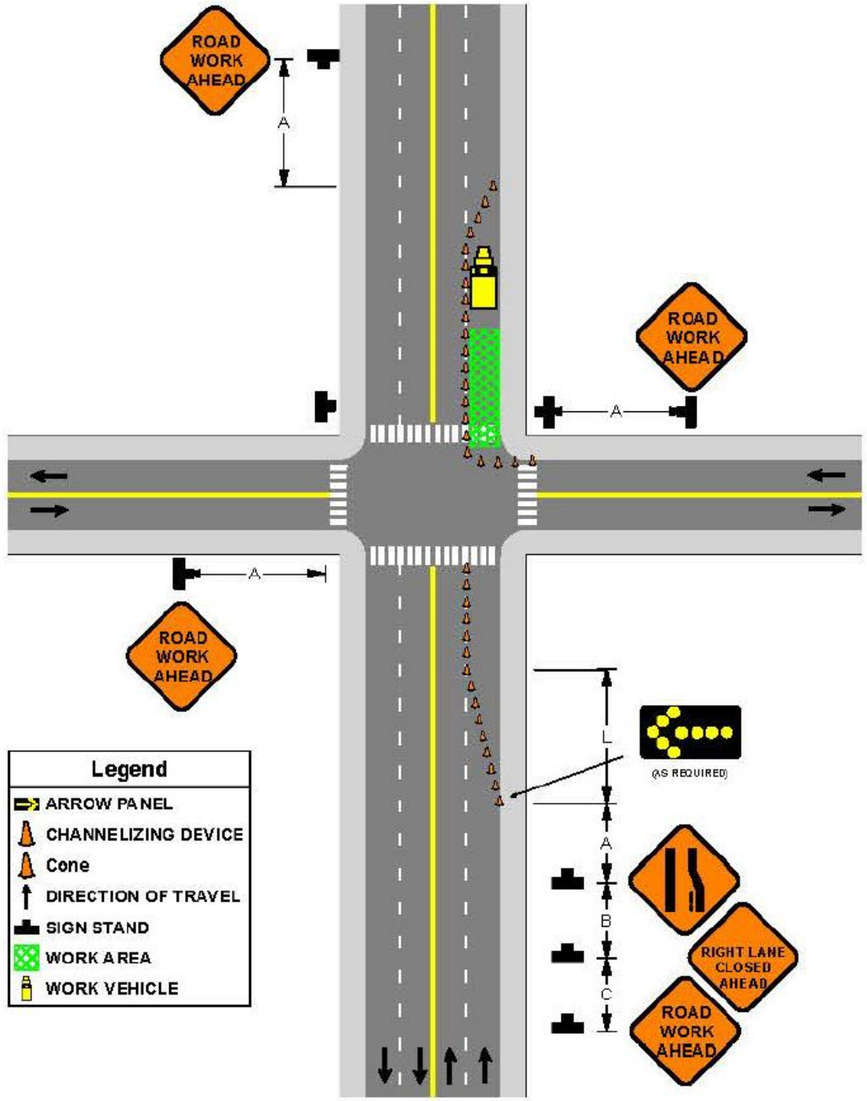
Traffic A3 OF A9

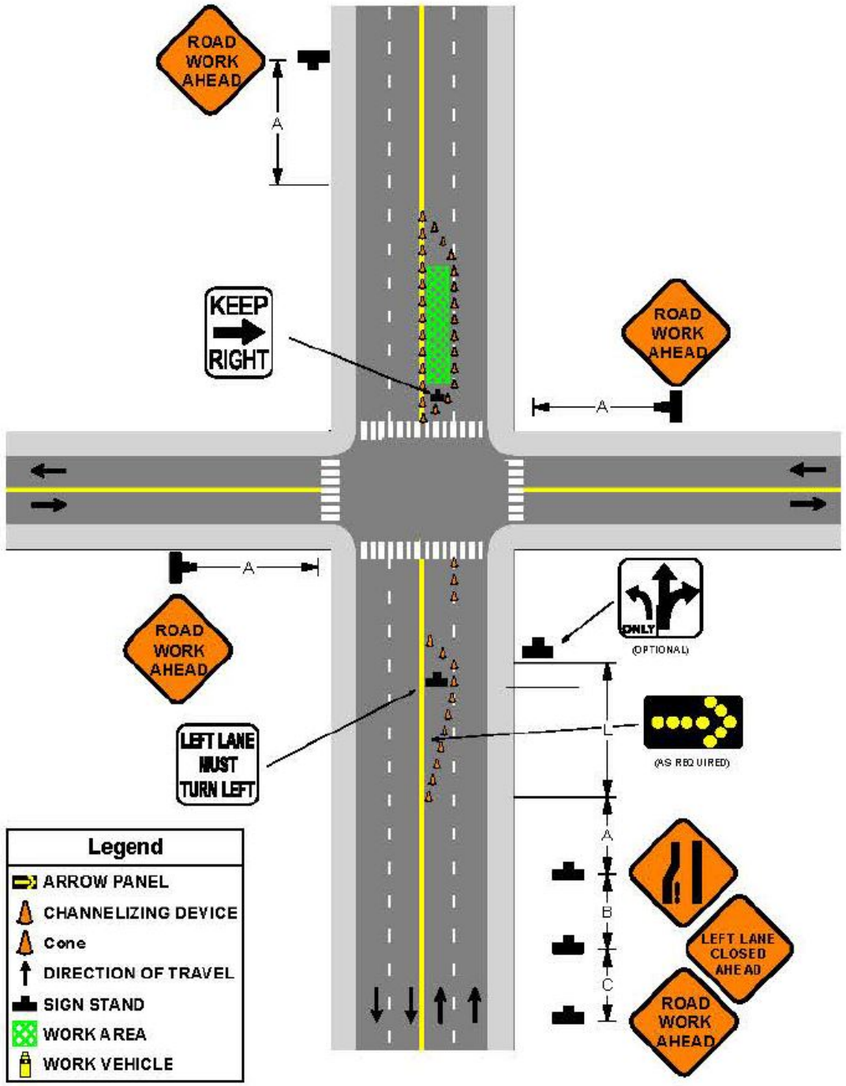
N

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

PON: CRE-01-03
DCR: DCR-187

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





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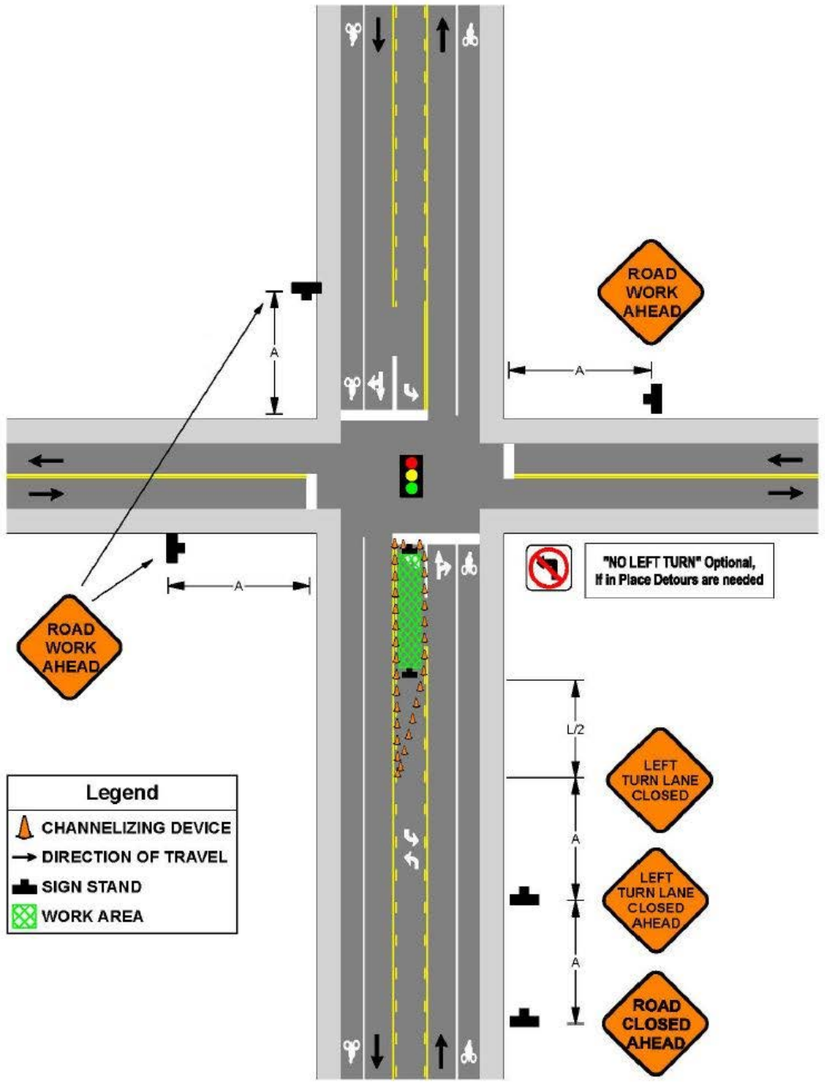
Traffic A4 OF A9

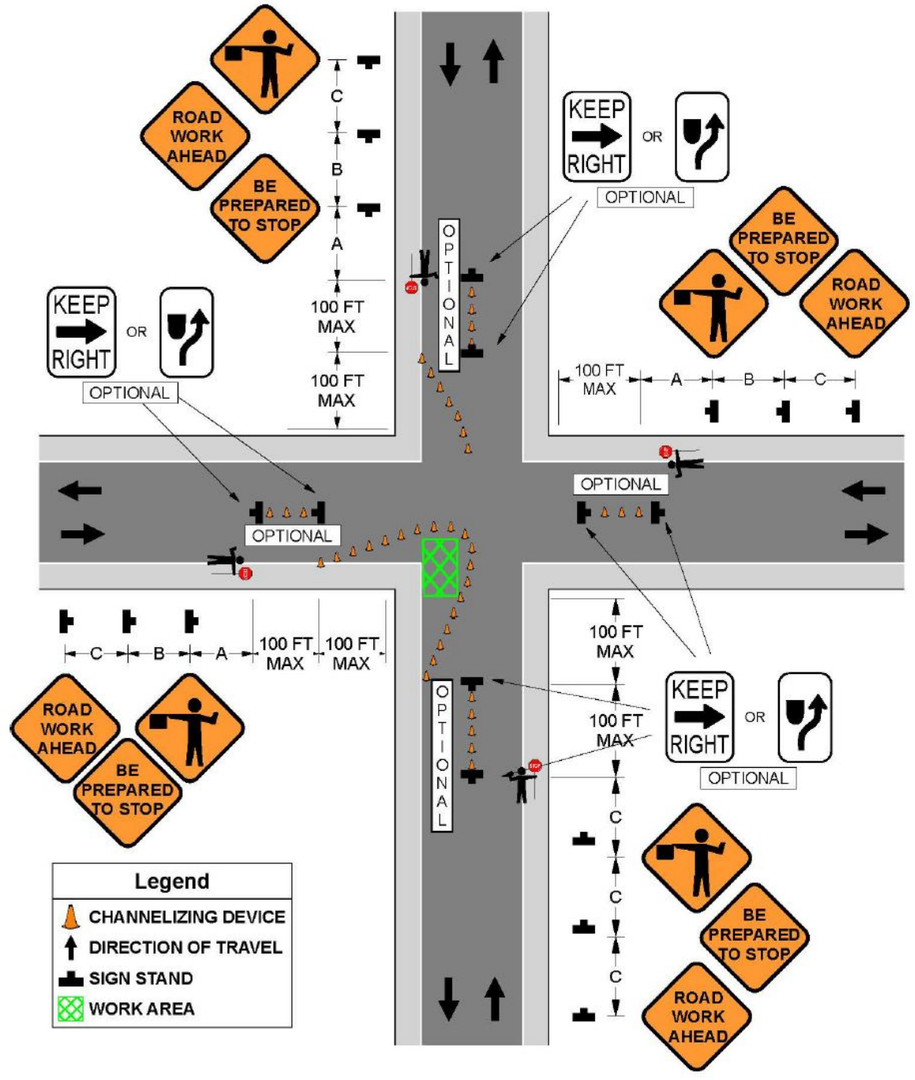
N

PON: CRE-01-03
DCR: DCR-187

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

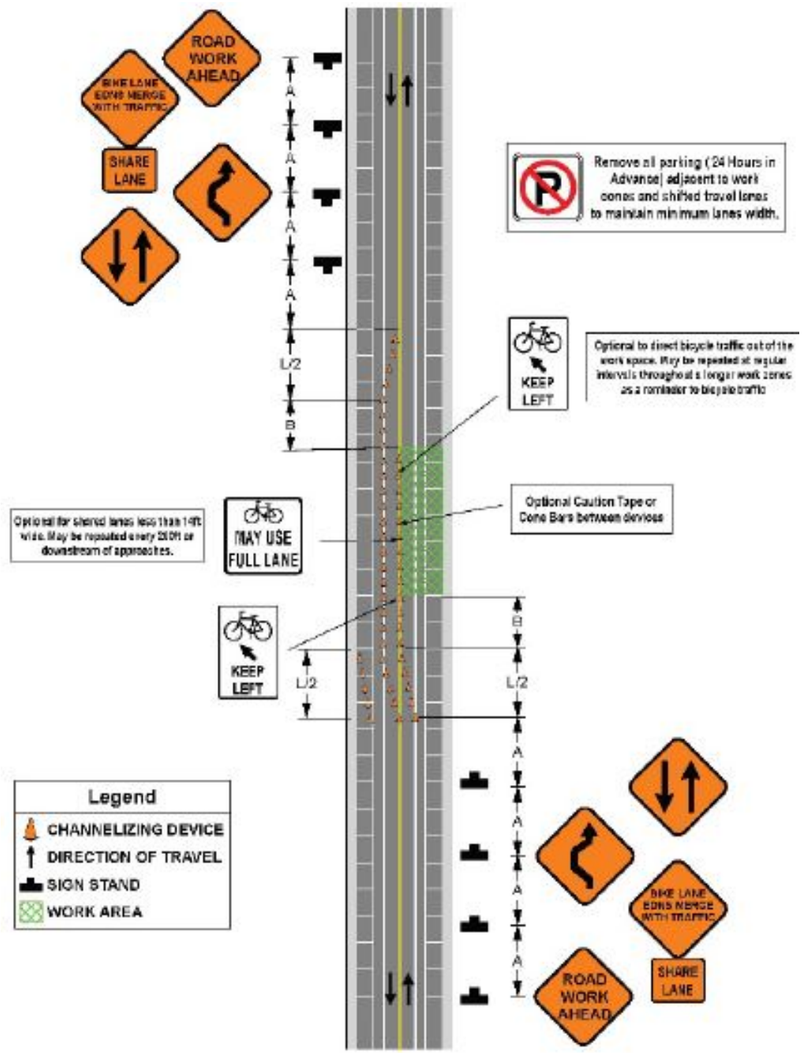


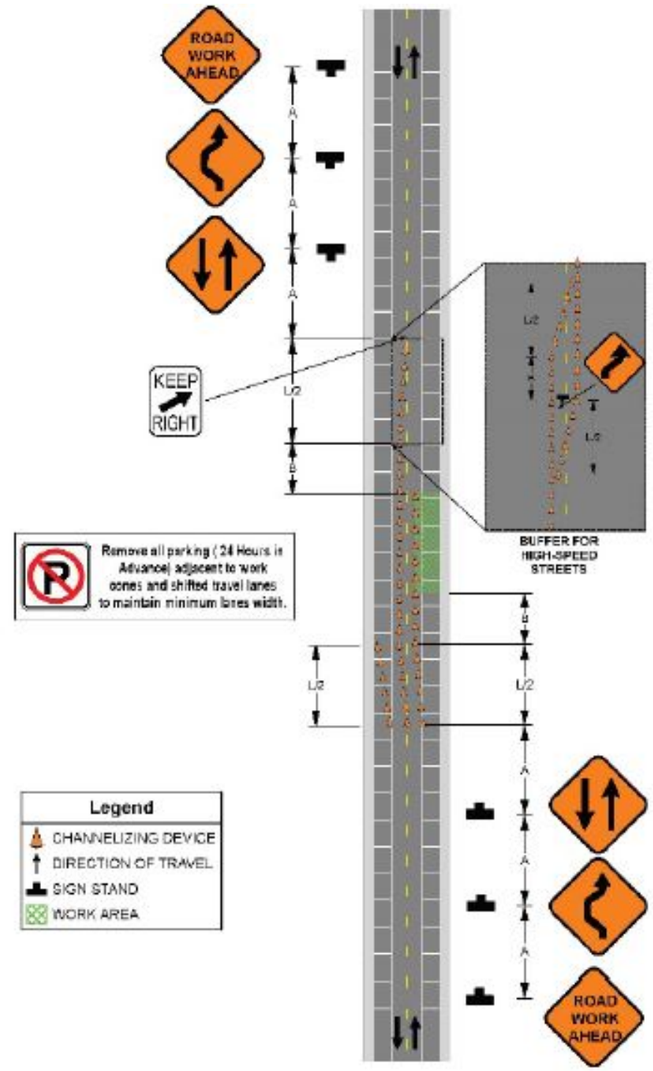
See Page A9 for A, B, C, L Distances

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

PON: CRE-01-03
DCR: DCR-187

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





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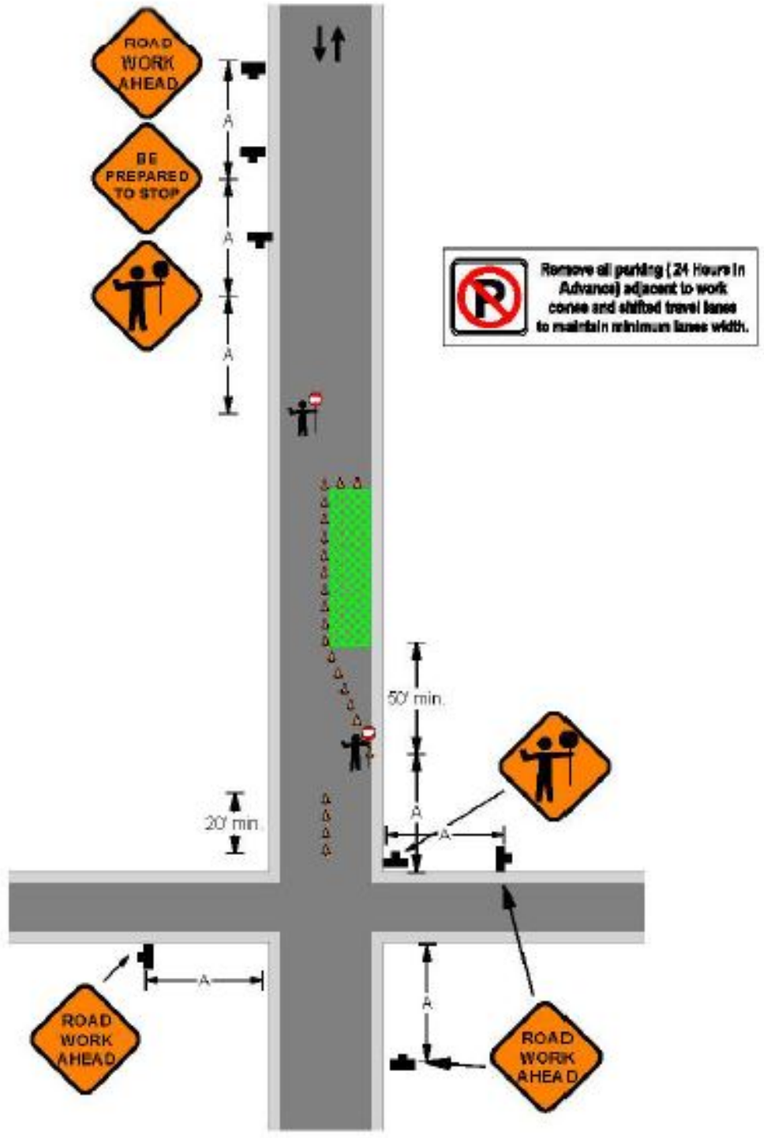
Traffic A6 OF A9

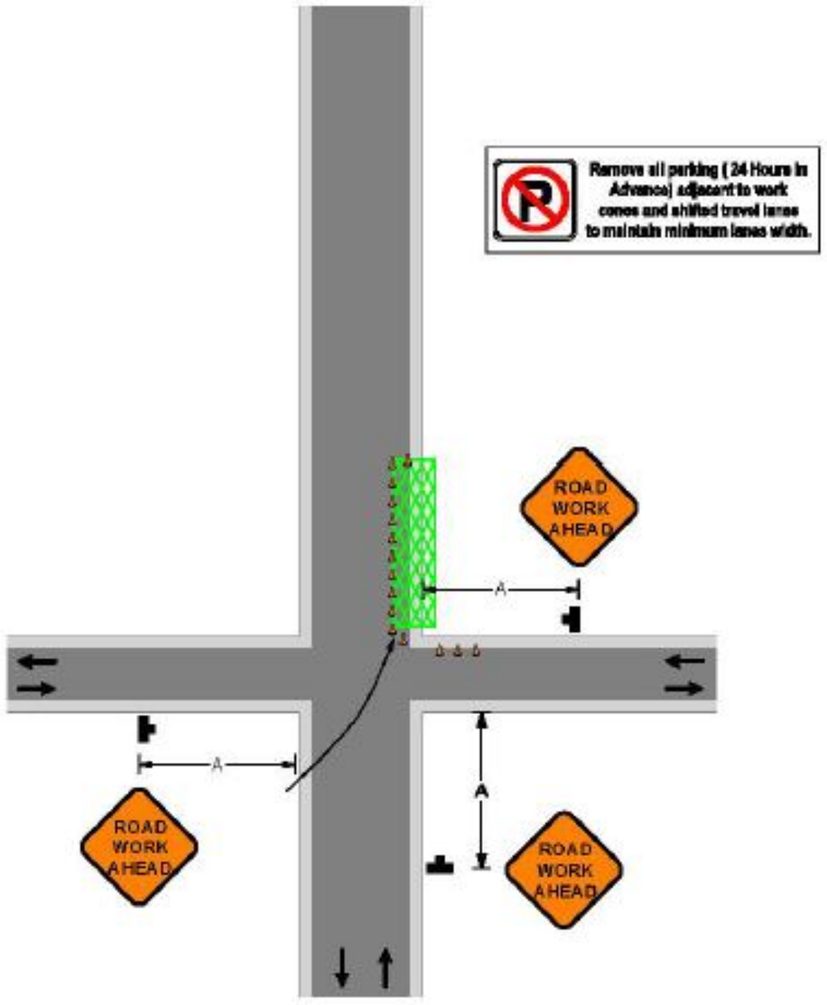
N

Partial street Closures on Lower Volume Streets

PON: CRE-01-03
DCR: DCR-187

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





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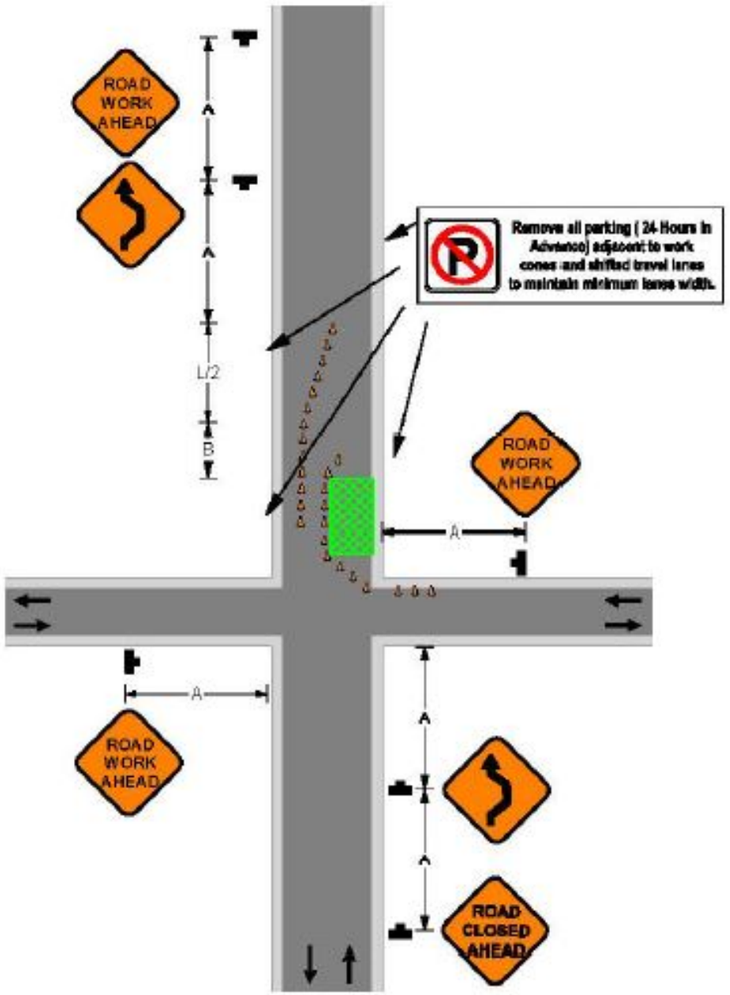
Traffic A7 OF A9

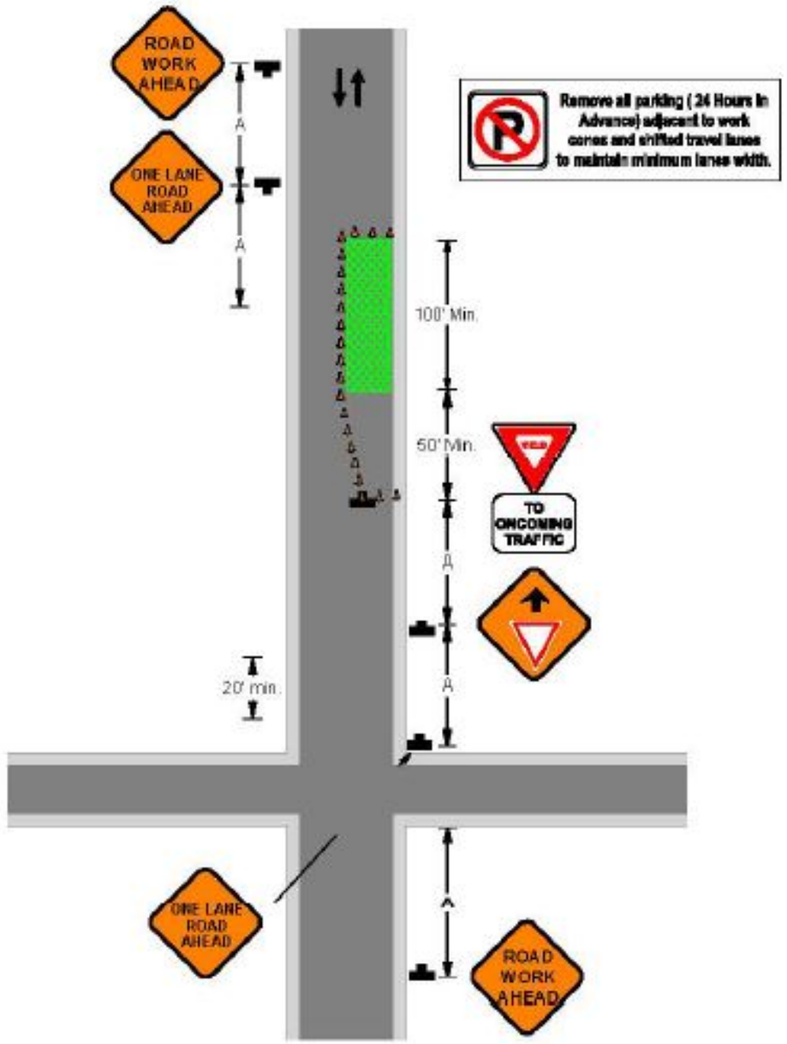
N

Partial street Closures on Lower Volume Streets

PON: CRE-01-03
DCR: DCR-187

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'

Nebraska 811
Know what's below.
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Traffic A9 OF A9

N

PON: CRE-01-03

DCR: DCR-187

PERMIT:

LEGEND Date: 5/18/2023

PON

FIBEREQUIPMENT

MST 2

RISER

POLE

Pole Use

Power

STRUCTURE

Small PED

ROUTE

Placement Type

UG Bore

Aerial Strand

Conduit

MST Runs

FT82	FT83	FT84
FU82	FU83	FU84
FV82	FV83	FV84

Notes: PLCS Prject Routes have been permitted seperatly

Revisions:

N

1 in = 100 ft

PON: CRE-01-03

DCR: DCR-187

PERMIT:

LEGEND Date: 5/18/2023

PON

FIBEREQUIPMENT

MST 2

RISER

POLE

Pole Use

Power

Telecom

STRUCTURE

Small PED

SPLICECLOSURE

Aerial

ROUTE

Placement Type

UG Bore

Aerial Strand

Future MDU Drop

Future MDU Drop

Conduit

MST Runs

FT83	FT84	FT85
FU83	FU84	FU85
FV83	FV84	FV85

PL0218 · 1000 ft · PL0217 · 42' (1) MST · 94' (1) MST · 1455 · PL0216 · 1550 · 143' (2) 1.25 (1) MST · 128' (1) MST · PL0212 · 111' (2) MST · PL0213 · PL0219 · 750 ft · 750 ft · 77' (4) MST · 1355 · PL0214 · 107' (1) MST · 1660 · 79' (4) MST · PL0215 · PD0162 · 500 ft · 2142 · 2148 · 153' (2) 1.25 (1) MST · 1658 · 1309 · Wyoming Ave · 117' (5) MST · PL0229 · PL0230 · 199' (1) 48 · 226' (1) 48 · PL0226 · PL0224 · 186' (8) MST · PL0223 · 165' (3) MST · PL0232 · 048E · 500 ft · 048E · 100 ft · W 13th St · Co Rd F 13th St · 122' (1) MST, (1) 48 · PL0225 · 26' (2) MST, (2) 48 · 145' (2) MST, (2) 48 · 115' (1) 48 · PL0238 · 119' (2) MST · 250 ft · PL0234 · Co Rd 2150 Arizona St · Arizona Ave · Railroad Crossing to be permitted seperately prior to construction. · 048E · 114' (1) 4.0 (1) 48 · 2137

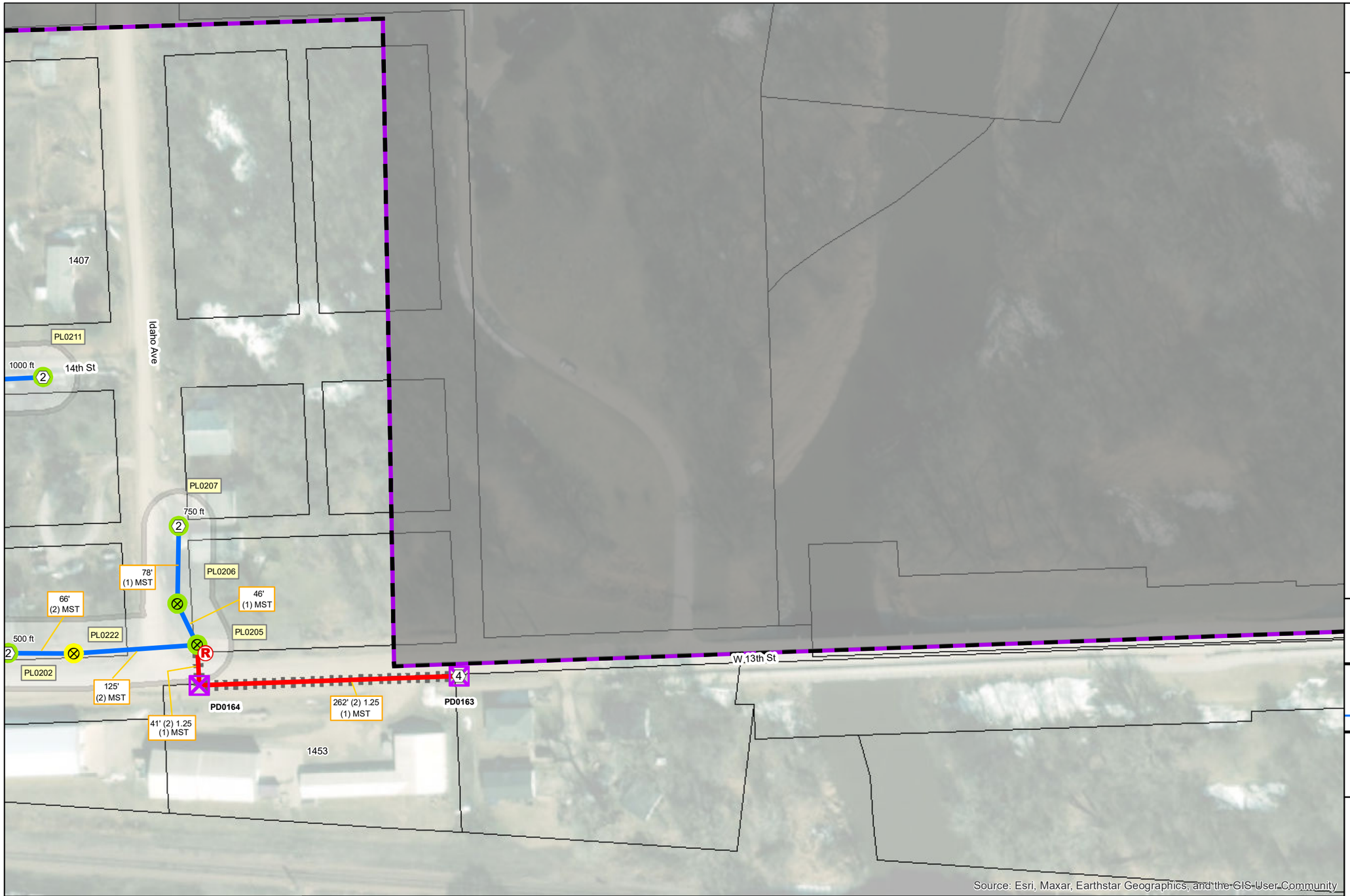
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Notes: PLCS Prject Routes have been permitted seperatly

Revisions:

N

1 in = 100 ft



PON: CRE-01-03

DCR: DCR-187

PERMIT:

LEGEND Date: 5/18/2023

PON

FIBEREQUIPMENT

MST 4

MST 2

RISER

POLE

Pole Use

Power

Telecom

STRUCTURE

Small PED

ROUTE

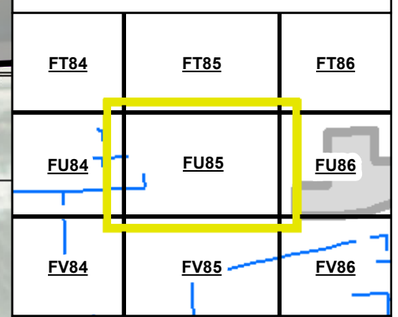
Placement Type

UG Bore

Aerial Strand

Conduit

MST Runs



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Notes: PLCS Prject Routes have been permitted seperatly

Revisions:

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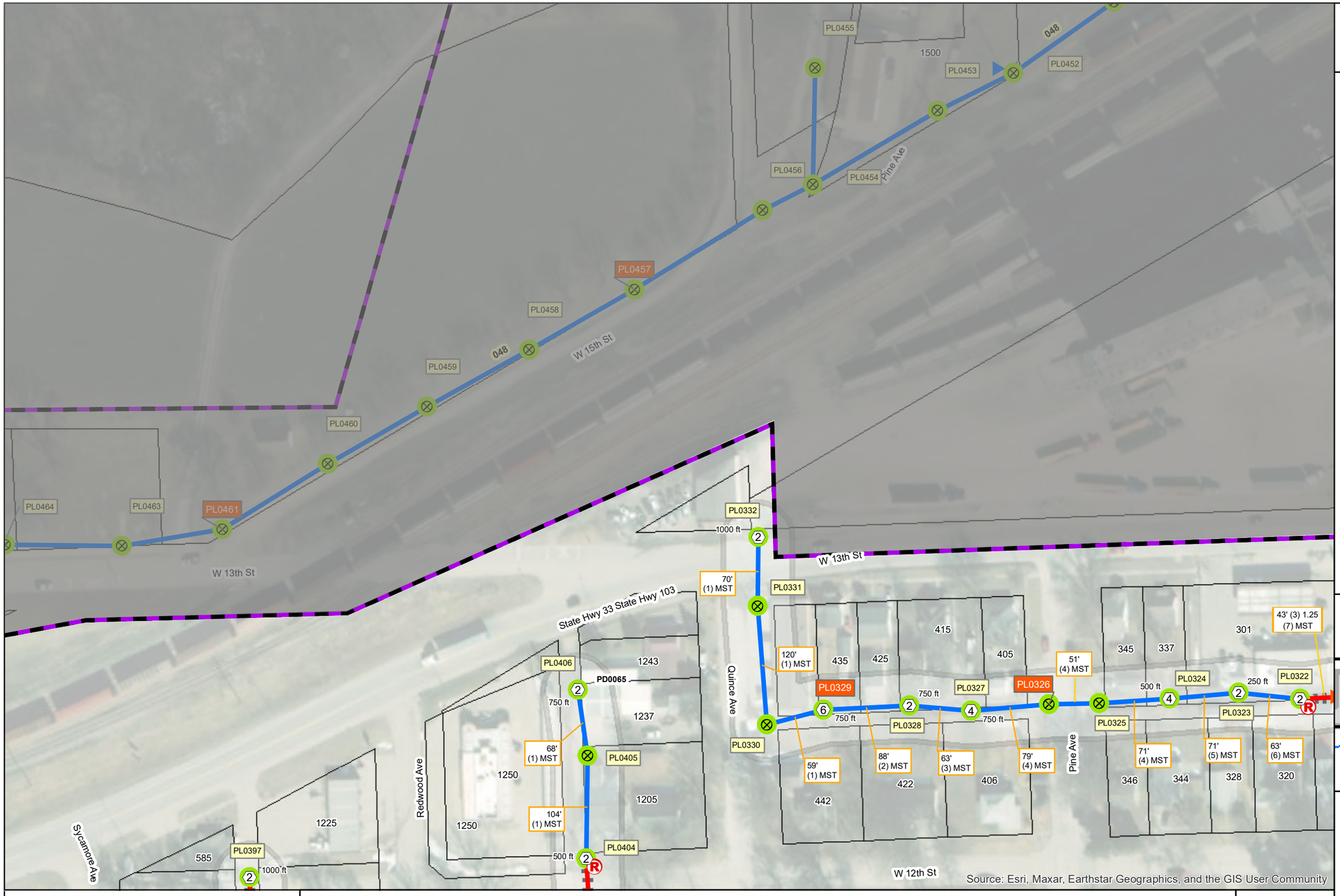
1 in = 100 ft



PON: CRE-01-03

DCR: DCR-187

PERMIT:

LEGEND Date: 5/18/2023

PON

FIBEREQUIPMENT

- MST 6
- MST 4
- MST 2
- RISER

POLE

Pole Use

- Power

STRUCTURE

- Small PED
- T48 Vault

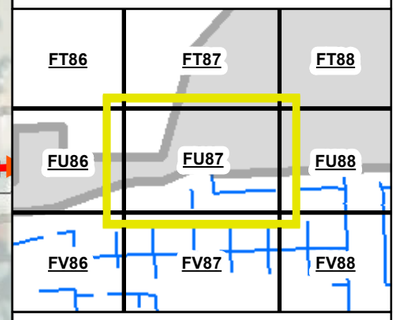
SPLICECLOSURE

- Underground
- Aerial

ROUTE

Placement Type

- UG Bore
- Aerial Strand
- Conduit
- MST Runs



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Revisions:

N

1 in = 100 ft

PON: CRE-01-03

DCR: DCR-187

PERMIT:

LEGEND Date: 5/18/2023

PON

FIBEREQUIPMENT

- MST 12
- MST 8
- MST 6
- MST 4
- MST 2
- RISER

POLE

- Unknown

Pole Use

- Power
- Telecom

STRUCTURE

- Com Box
- 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

FT87 FT88 FT89

FU87 FU88 FU89

FV87 FV88 FV89

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

Notes: PLCS Prject Routes have been permitted seperatly

Revisions:

N

1 in = 100 ft

PON: CRE-01-03

DCR: DCR-187

PERMIT:

LEGEND Date: 5/18/2023

PON

FIBEREQUIPMENT

MST 4

MST 2

RISER

POLE

Pole Use

Power

Telecom

STRUCTURE

Small PED

T36 Vault

T48 Vault

SPLICECLOSURE

Underground

Aerial

ROUTE

Placement Type

UG Bore

Aerial Strand

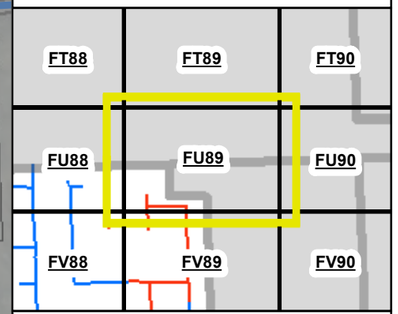
Feeder Fiber

Future MDU Drop

Future MDU Drop

Conduit

MST Runs



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Notes: PLCS Prject Routes have been permitted seperatly

Revisions:

N

1 in = 100 ft

PON: CRE-01-03

DCR: DCR-187

PERMIT:

LEGEND Date: 5/18/2023

PON

FIBEREQUIPMENT

MST 2

STRUCTURE

Small PED

T36 Vault

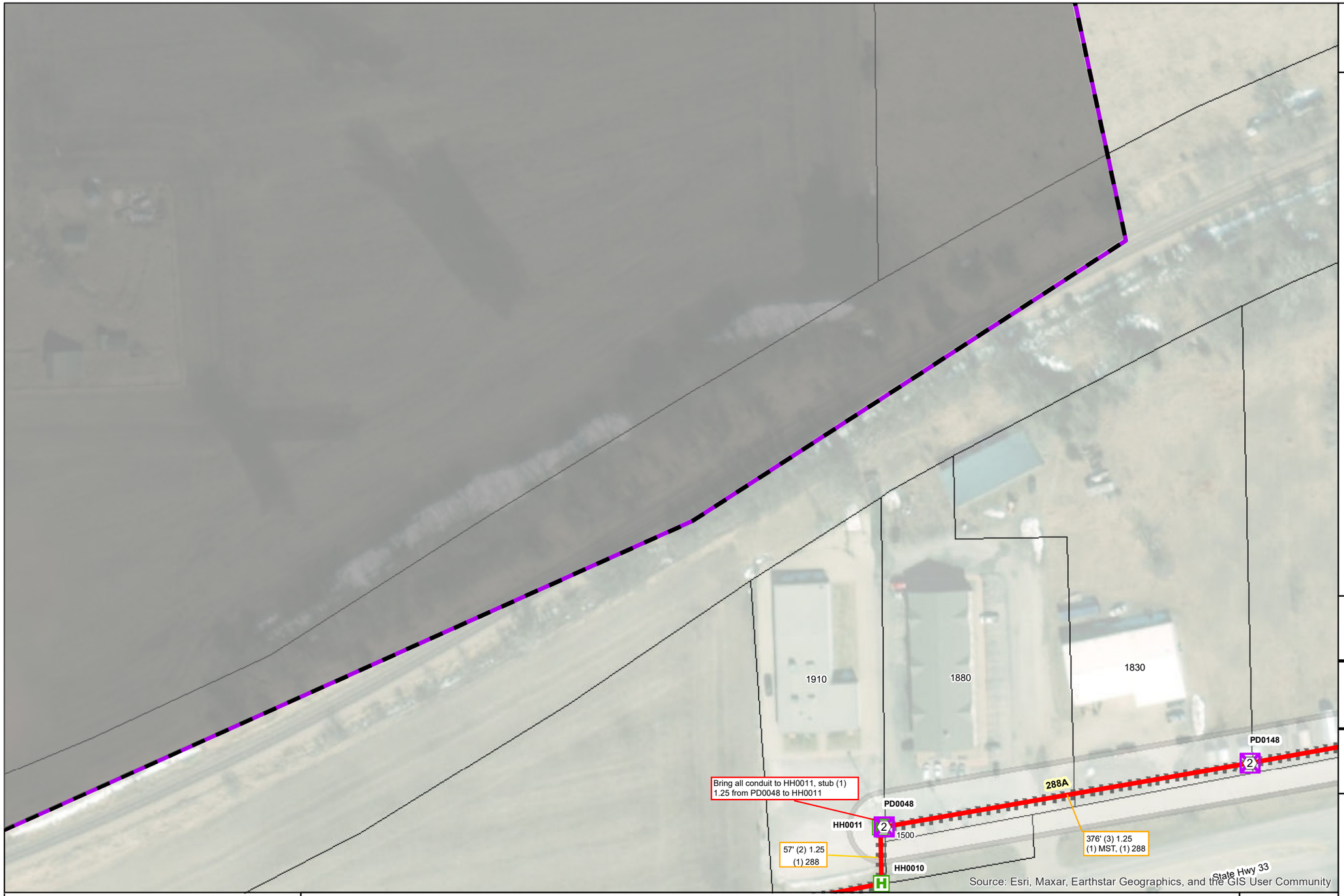
ROUTE

Placement Type

UG Bore

Conduit

MST Runs



FU82	FU83	FU84
FV82	FV83	FV84
FW82	FW83	FW84

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Notes: PLCS Prject Routes have been permitted seperatly

Revisions:

N

1 in = 100 ft

PON: CRE-01-03

DCR: DCR-187

PERMIT:

LEGEND Date: 5/18/2023

PON

FIBEREQUIPMENT

MST 2

RISER

POLE

Unknown

Pole Use

Power

Telecom

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

PL0239

187'
(1) 48

PL0240

750 ft

048E

Co Rd 2150 Arizona St

1250

191'
(1) MST,
(1) 48

31' (2) 1.25
(1) MST

PL0241

PD0145

1600

103'
(2) MST,
(1) 48

1610

1115

PL0242

153' (3) 1.25
(2) MST, (1) 48

048E

PL0243

SV1014

PD0146

13' (3) 1.25
(3) MST, (1) 288

39' (2) 1.25
(1) MST

137' (1) 1.25, (1) 2.0
(1) 432

HH0008

402' (3) 1.25
(2) MST, (1) 288

750 ft

PD0147

234' (3) 1.25
(4) MST, (1) 288

PD0084

HH0009

288A

State Hwy 103

State Hwy 33

276' (3) 1.25
(3) MST, (1) 288

W 11th St Blue Acres Dr

PL0244

41' (3) 1.25
(3) MST, (1) 288

432A

Arizona Ave

PL0424

1535

1575

1000 ft

1515

172' (1) 1.25, (1) 2.0
(1) 432

Co Rd 2 125

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

FU83	FU84	FU85
FV83	FV84	FV85
FW83	FW84	FW85

Notes: PLCS Prject Routes have been permitted seperatly

Revisions:

N

1 in = 100 ft

PON: CRE-01-03

DCR: DCR-187

PERMIT:

LEGEND Date: 5/18/2023

PON

FIBEREQUIPMENT

MST 2

RISER

POLE

Unknown

Pole Use

Power

STRUCTURE

Small PED

SPLICECLOSURE

Aerial

ROUTE

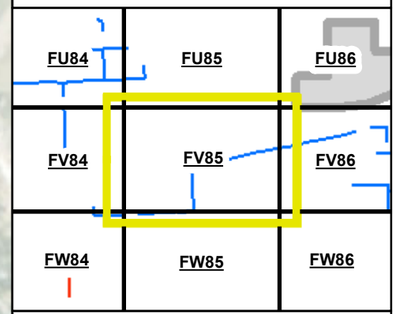
Placement Type

UG Bore

Aerial Strand

Conduit

MST Runs



Notes: PLCS Prject Routes have been permitted seperatly

Revisions:

N

1 in = 100 ft

PON: CRE-01-03

DCR: DCR-187

PERMIT:

LEGEND Date: 5/18/2023

PON

FIBEREQUIPMENT

MST 4

MST 2

RISER

POLE

Pole Use

Power

Telecom

STRUCTURE

Small PED

T48 Vault

SPLICECLOSURE

Aerial

ROUTE

Placement Type

UG Bore

Aerial Strand

Conduit

MST Runs

Railroad crossing to be permitted seperately prior to construction.

State Hwy 33 State Hwy 103

Unona Ave

W 12th St

W 11th St

W 10th St

Wood Ave

Thornwood Ave

11TH

PL0263 PL0262 PL0261 PL0260 PL0259 PL0258 PL0256 PL0255 PL0254 PL0013 PL0014 PL0012 PL0011 PL0010 PL0008 PL0009 PL0274 PL0021 PL0020 PL0019 PL0018 PL0023 PL0026 PL0027 PL0028 PL0024

PD0140

SV1020

160' (1) 432

160' (1) 432

150' (1) 432

1000 ft

142' (1) MST, (1) 432

128' (1) 432

57' (1) 4.0 (1) MST, (1) 432

77' (2) 1.25, (1) 2.0 (1) MST, (1) 432

140' (1) MST, (1) 432

40' (2) 1.25 (1) MST

58' (2) MST, (1) 432

500 ft

85' (3) MST, (1) 432

91' (2) 1.25, (1) 2.0 (4) MST, (1) 432

250 ft

100 ft

111' (1) MST, (1) 576

250 ft

576A

142' (1) 576

500 ft

96' (1) MST

107' (1) 576

100' (1) MST

93' (4) MST (1) 576

750 ft

95' (1) MST

750 ft

113' (2) MST

1250

168' (1) MST

153' (1) MST

59' (1) MST

117' (2) 1.25 (3) MST

500 ft

132' (4) MST

90' (2) MST

92' (3) MST

73' (3) MST

1000 ft

92' (1) MST

1102 1101 1320 1141 801 1132 747 742 841 743 729 815 935 1025

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

FU85 FU86 FU87

FV85 FV86 FV87

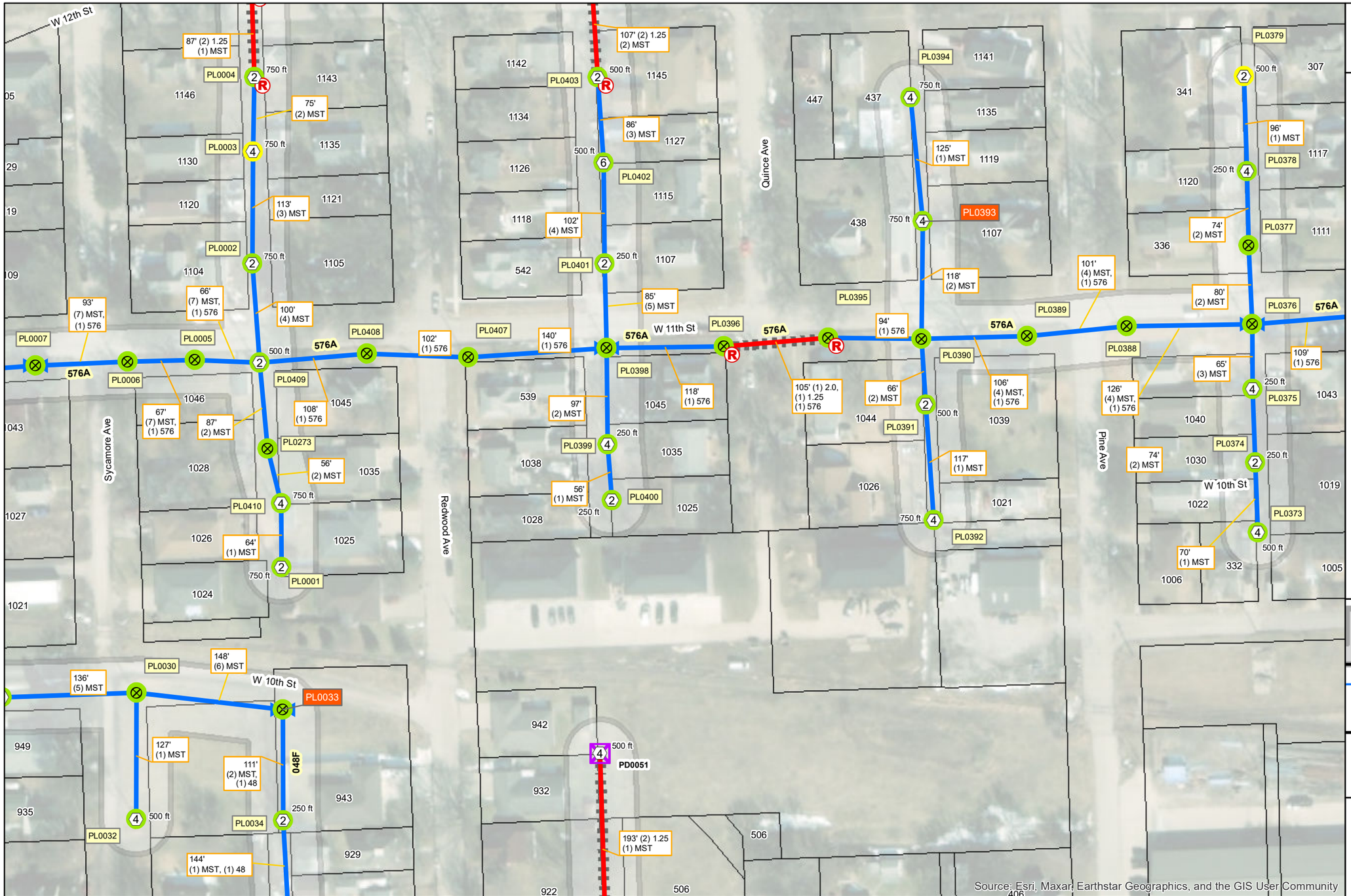
FW85 FW86 FW87

Notes: PLCS Prject Routes have been permitted seperatly

Revisions:

N

1 in = 100 ft



PON: CRE-01-03

DCR: DCR-187

PERMIT:

LEGEND Date: 5/18/2023

PON

FIBEREQUIPMENT

MST 6

MST 4

MST 2

RISER

POLE

Pole Use

Power

Telecom

STRUCTURE

Small PED

SPLICECLOSURE

Aerial

ROUTE

Placement Type

UG Bore

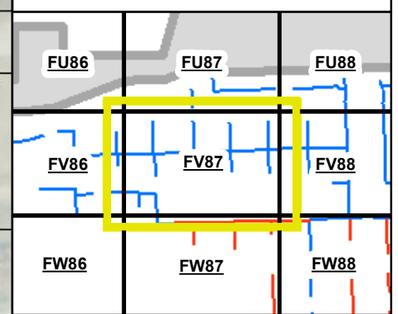
Aerial Strand

Future MDU Drop

Future MDU Drop

Conduit

MST Runs



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Notes: PLCS Prject Routes have been permitted seperatly

Revisions:

N

1 in = 100 ft

PON: CRE-01-03

DCR: DCR-187

PERMIT:

LEGEND Date: 5/18/2023

PON

FIBEREQUIPMENT

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

POLE

- Unknown

Pole Use

- Power
- Telecom

STRUCTURE

- Com Box
- Large PED
- Small PED

SPLICECLOSURE

- Aerial

ROUTE

Placement Type

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

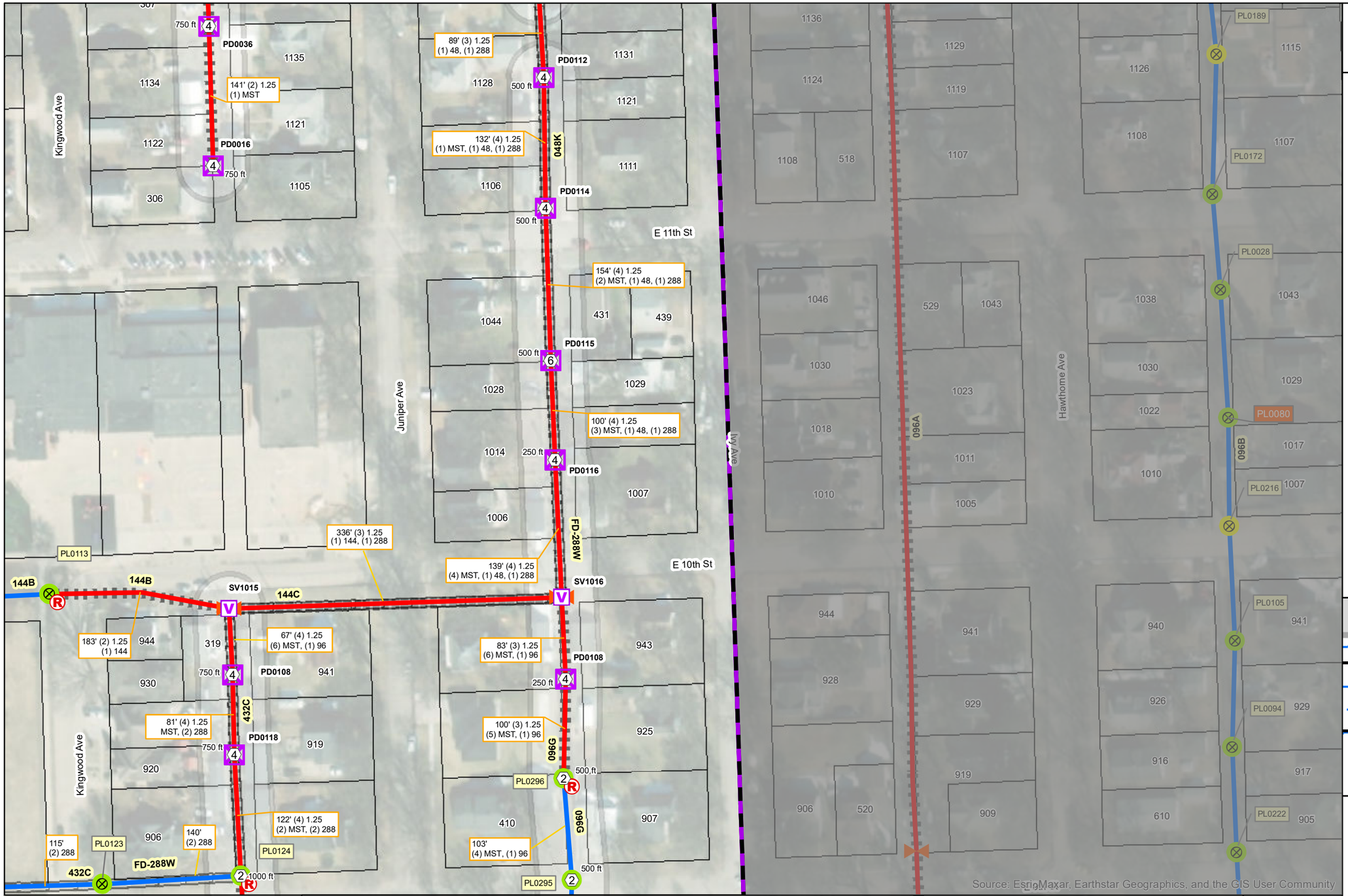
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Notes: PLCS Prject Routes have been permitted seperatly

Revisions:

N

1 in = 100 ft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DCR: DCR-187
PERMIT:
LEGEND Date: 5/18/2023
PON
FIBEREQUIPMENT
MST 6
MST 4
MST 2
RISER
POLE
Pole Use
Power
Telecom
STRUCTURE
Small PED
T48 Vault
SPLICECLOSURE
Underground
ROUTE
Placement Type
UG Bore
Aerial Strand
Feeder Fiber
Future MDU Drop
Future MDU Drop
Conduit
MST Runs
PD0036
PD0016
PD0112
PD0114
PD0115
PD0116
PD0108
PD0118
SV1015
SV1016
144B
144C
048K
096A
096B
096G
FD-288W
432C
141' (2) 1.25 (1) MST
89' (3) 1.25 (1) 48, (1) 288
132' (4) 1.25 (1) MST, (1) 48, (1) 288
154' (4) 1.25 (2) MST, (1) 48, (1) 288
100' (4) 1.25 (3) MST, (1) 48, (1) 288
336' (3) 1.25 (1) 144, (1) 288
139' (4) 1.25 (4) MST, (1) 48, (1) 288
183' (2) 1.25 (1) 144
67' (4) 1.25 (6) MST, (1) 96
83' (3) 1.25 (6) MST, (1) 96
81' (4) 1.25 MST, (2) 288
100' (3) 1.25 (5) MST, (1) 96
122' (4) 1.25 (2) MST, (2) 288
140' (2) 288
115' (2) 288
103' (4) MST, (1) 96
750 ft
500 ft
250 ft
1000 ft
PL0113
PL0123
PL0124
PL0296
PL0295
PL0189
PL0172
PL0028
PL0080
PL0216
PL0105
PL0094
PL0222
E 11th St
E 10th St
Kingwood Ave
Juniper Ave
Ivy Ave
Hawthorne Ave
FU88
FU89
FU90
FV88
FV89
FV90
FW88
FW89
FW90
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community
Notes: PLCS Prject Routes have been permitted seperatly
Revisions:
N
1 in = 100 ft

PON: CRE-01-03

DCR: DCR-187

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PON

FIBEREQUIPMENT

MST 2

STRUCTURE

Small PED

T48 Vault

SPLICECLOSURE

Underground

ROUTE

Placement Type

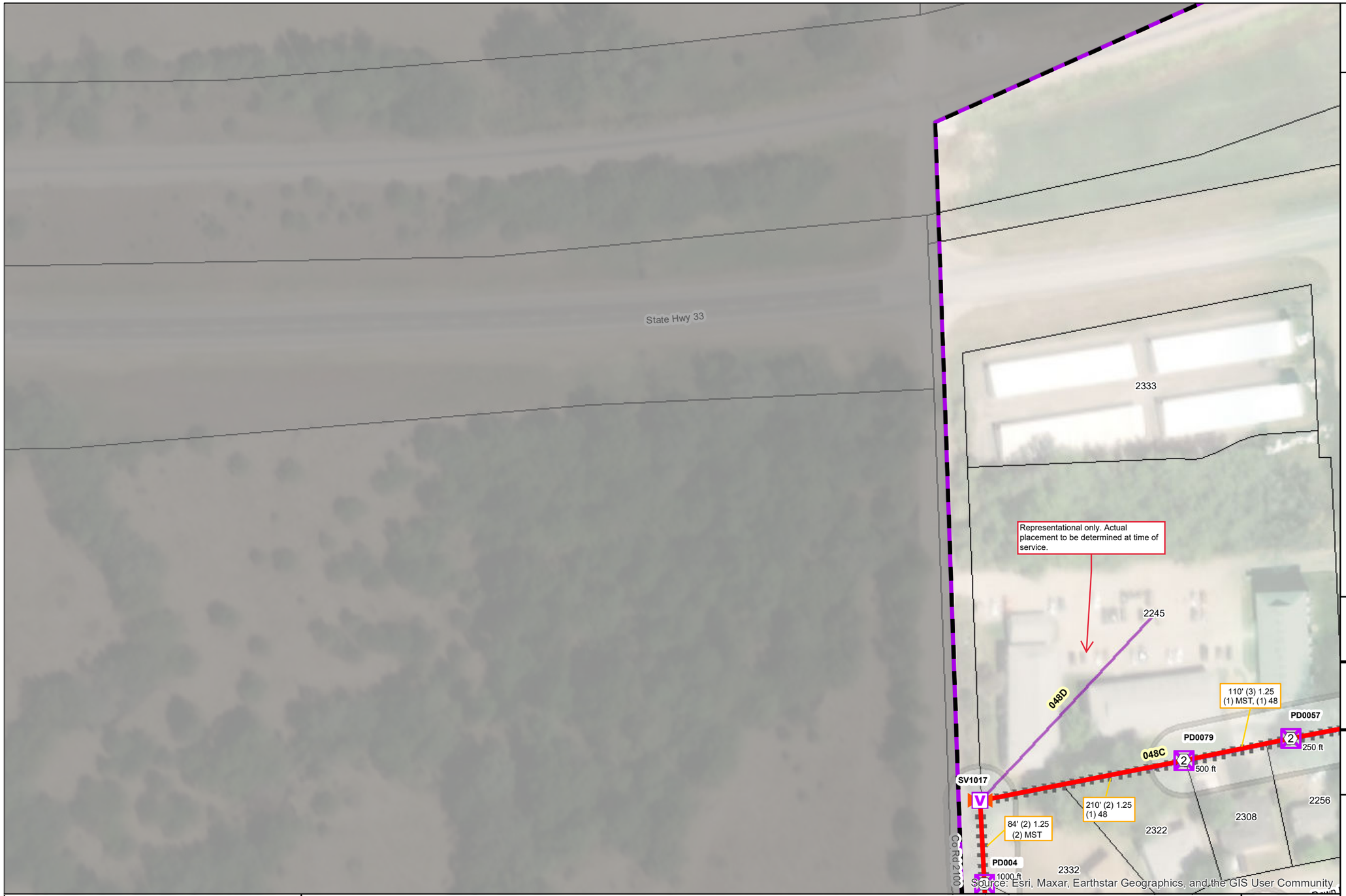
UG Bore

Future MDU Drop

Future MDU Drop

Conduit

MST Runs



FV81	FV82	FV83
FW81	FW82	FW83
FX81	FX82	FX83

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1 in = 100 ft

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LEGEND Date: 5/18/2023

PON

FIBEREQUIPMENT

MST 4

MST 2

STRUCTURE

Small PED

T36 Vault

T48 Vault

SPLICECLOSURE

Underground

ROUTE

Placement Type

UG Bore

Future MDU Drop

Future MDU Drop

Conduit

MST Runs

FV82	FV83	FV84
FW82	FW83	FW84
FX82	FX83	FX84

728' (2) 1.25
(1) 288

HH0003

288A

State Hwy 33

122' (3) 1.25
(1) MST,(1) 288

111' (2) 1.25
(1) 288

HH0014

750 ft

HH0012

PD0086

13' (2) 1.25
(1) 288

2220

457' (3) 1.25
(1) MST, (1) 288

Heather Dr

163' (3) 1.25
(3) MST, (1) 48

PD0104

PD0102

048B

750 ft

141' (3) 1.25
(4) MST, (1) 48

PD0045

750 ft

202' (3) 1.25
(2) MST, (1) 48

223' (3) 1.25
(1) MST, (1) 48

PD0080

500 ft

SV1002

250 ft

048C

2124

2110

2140

2154

2060

PD0050

1000 ft

121' (2) 1.25
(1) 48

2202

80' (3) 1.25
(5) MST, (1) 48

2048

HH0015

107' (3) 1.25
(2) MST, (1) 48

096A

178' (2) 1.25
(1) 96

Wendelin St

Dawn Dr

Dawn Cir

700

88' (2) 1.25
(1) 48

PD0030

HH0004

2117

654

750 ft

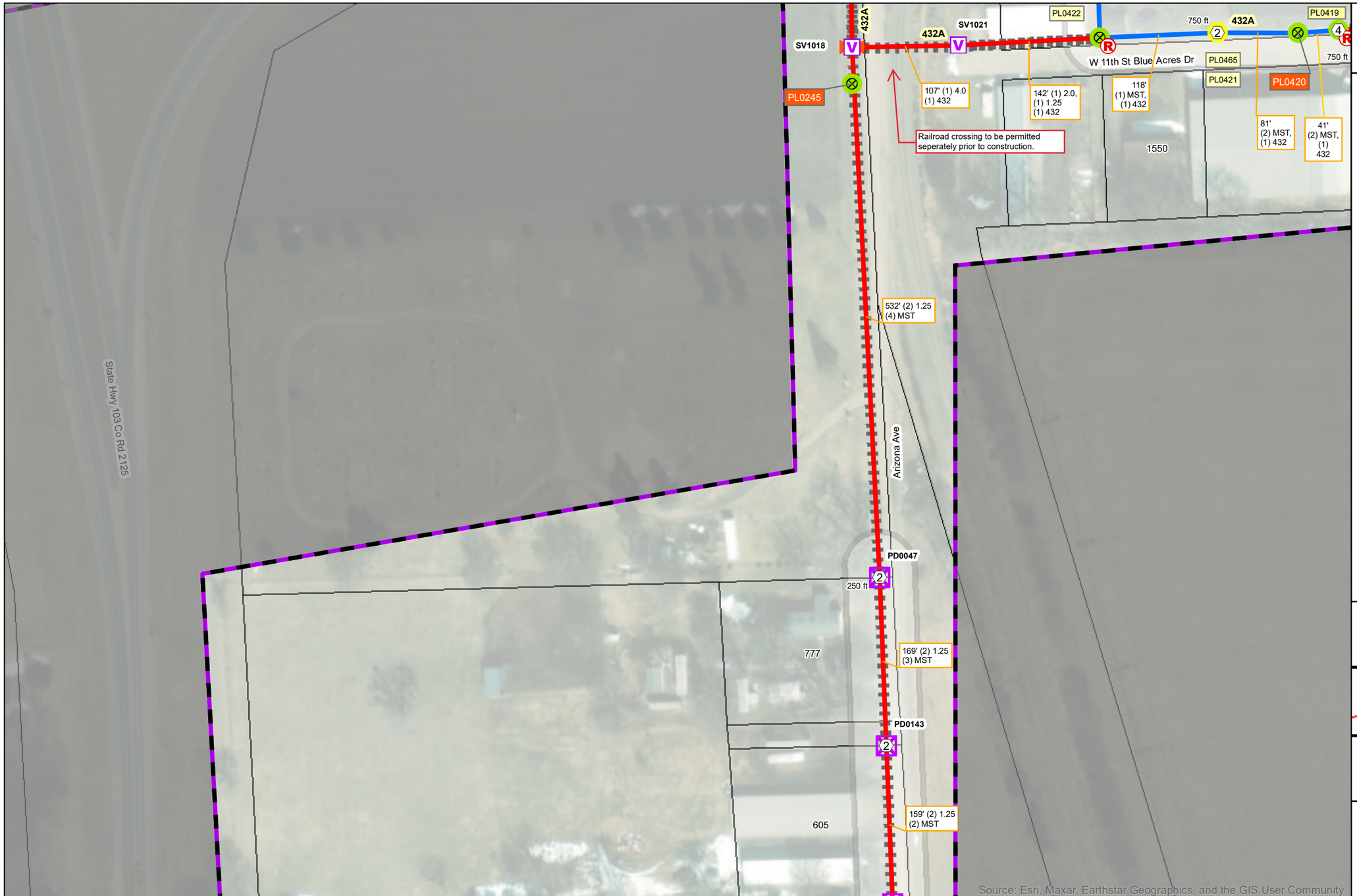
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Notes: PLCS Prject Routes have been permitted seperatly

Revisions:

N

1 in = 100 ft



PON: CRE-01-03

DCR: DCR-187

PERMIT:

LEGEND Date: 5/18/2023

PON

FIBEREQUIPMENT

- MST 4
- MST 2
- RISER

POLE

Pole Use

- Power
- Telecom

STRUCTURE

- Small PED
- T48 Vault

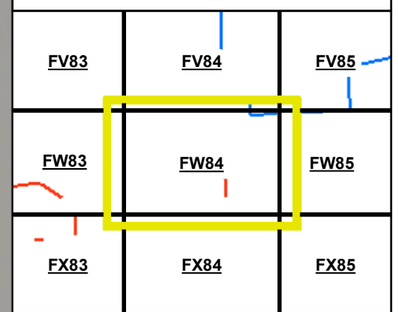
SPLICECLOSURE

- Underground

ROUTE

Placement Type

- UG Bore
- Aerial Strand
- Conduit
- MST Runs



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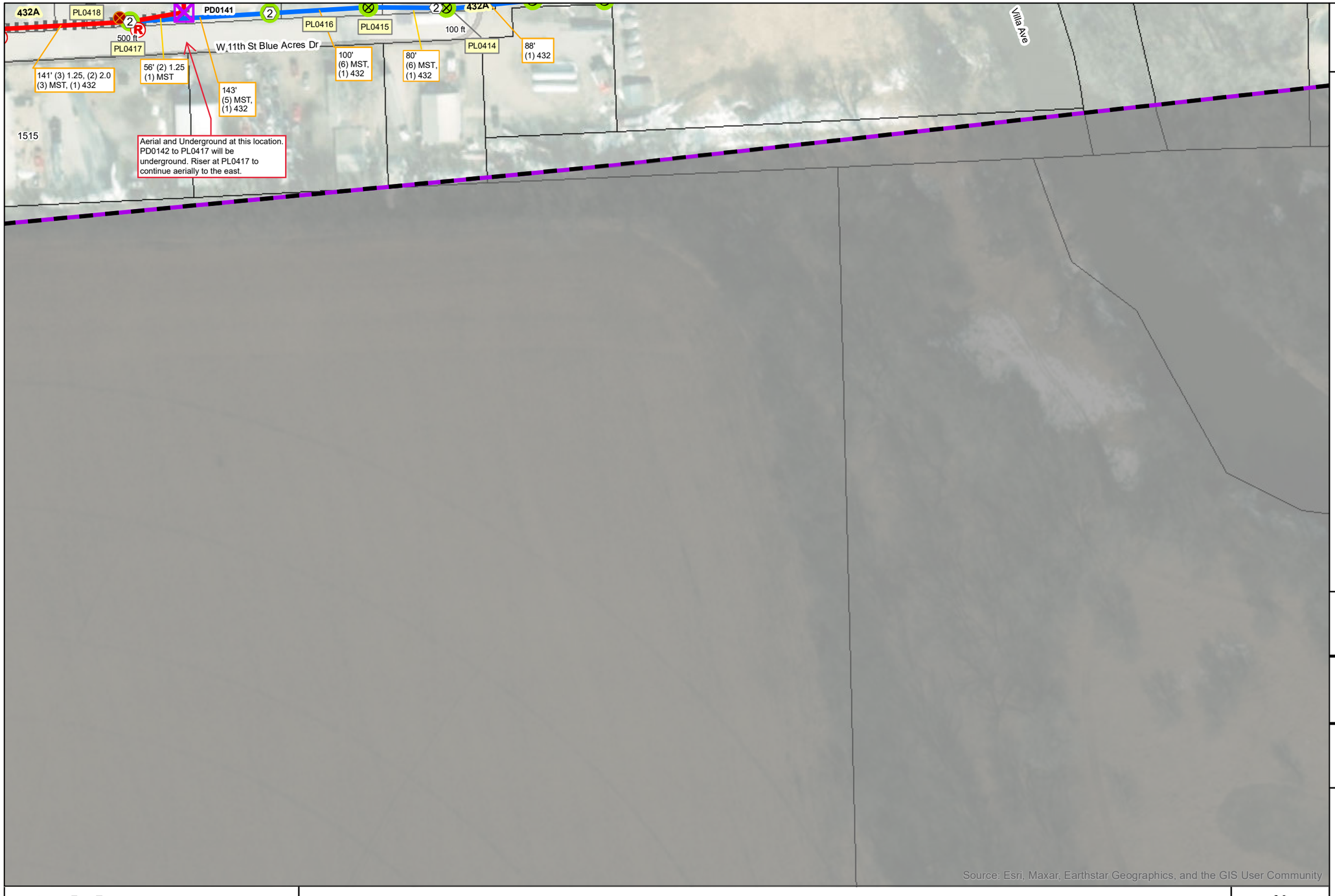
Revisions:

N

1 in = 100 ft



PON: CRE-01-03

DCR: DCR-187

PERMIT:

LEGEND Date: 5/18/2023

PON

FIBEREQUIPMENT

MST 4

MST 2

RISER

POLE

Unknown

Pole Use

Power

STRUCTURE

Small PED

SPLICECLOSURE

Aerial

ROUTE

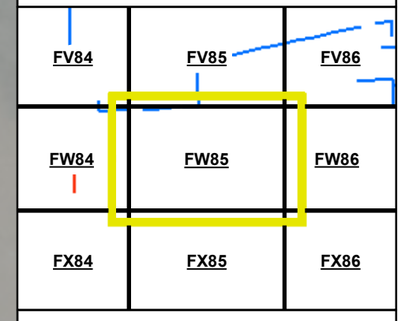
Placement Type

UG Bore

Aerial Strand

Conduit

MST Runs



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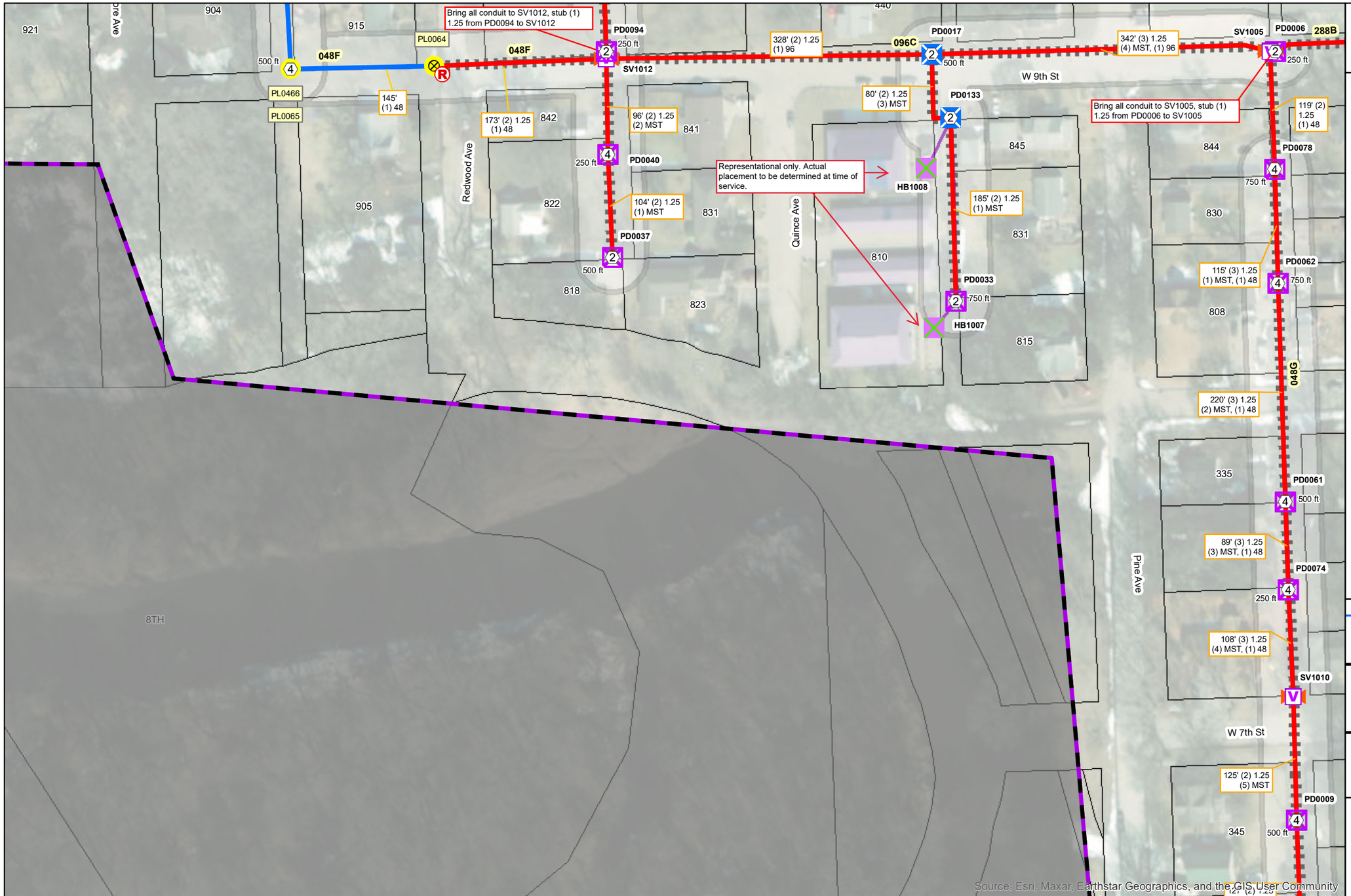
Notes: PLCS Prject Routes have been permitted seperatly

Revisions:

N

1 in = 100 ft



PON: CRE-01-03

DCR: DCR-187

PERMIT:

LEGEND Date: 5/18/2023

PON

FIBEREQUIPMENT

- MST 4
- MST 2
- RISER

POLE

Pole Use

- Telecom

STRUCTURE

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

SPLICECLOSURE

- Underground

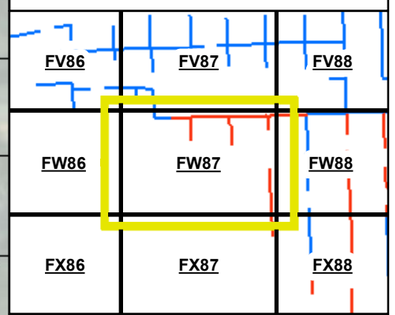
ROUTE

Placement Type

- UG Bore
- Aerial Strand

Future MDU Drop

- Future MDU Drop
- Conduit
- MST Runs



Allo FIBER

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Notes: PLCS Prject Routes have been permitted seperatly

Revisions:

N

1 in = 100 ft

PON: CRE-01-03

DCR: DCR-187

PERMIT:

LEGEND Date: 5/18/2023

PON

FIBEREQUIPMENT

- MST 12
- MST 6
- MST 4
- MST 2
- RISER

POLE

Pole Use

- Power

STRUCTURE

- 1152 Cabinet
- Com Box
- Large PED
- 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

FV87 FV88 FV89

FW87 FW88 FW89

FX87 FX88 FX89

Maintenance Vault and PON Cabinet Location

Representational only. Actual placement to be determined at time of service.

Representational only. Actual placement to be determined at time of service.

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

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PON

FIBEREQUIPMENT

- MST 12
- MST 6
- MST 4
- MST 2
- RISER

POLE

Pole Use

- Power
- Telecom

STRUCTURE

- Com Box
- Small PED
- T36 Vault

SPLICECLOSURE

- Aerial

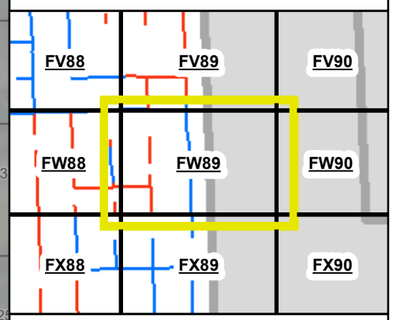
ROUTE

Placement Type

- UG Bore
- Aerial Strand
- Feeder Fiber

Future MDU Drop

- Future MDU Drop
- Conduit
- MST Runs



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PON

FIBEREQUIPMENT

- MST 4
- MST 2

STRUCTURE

- Large PED
- Small PED
- T48 Vault

SPLICECLOSURE

- Underground

ROUTE

Placement Type

- UG Bore

Future MDU Drop

- Future MDU Drop
- Conduit
- MST Runs

FW81	FW82	FW83
FX81	FX82	FX83
FY81	FY82	FY83

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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

FW82	FW83	FW84
FX82	FX83	FX84
FY82	FY83	FY84

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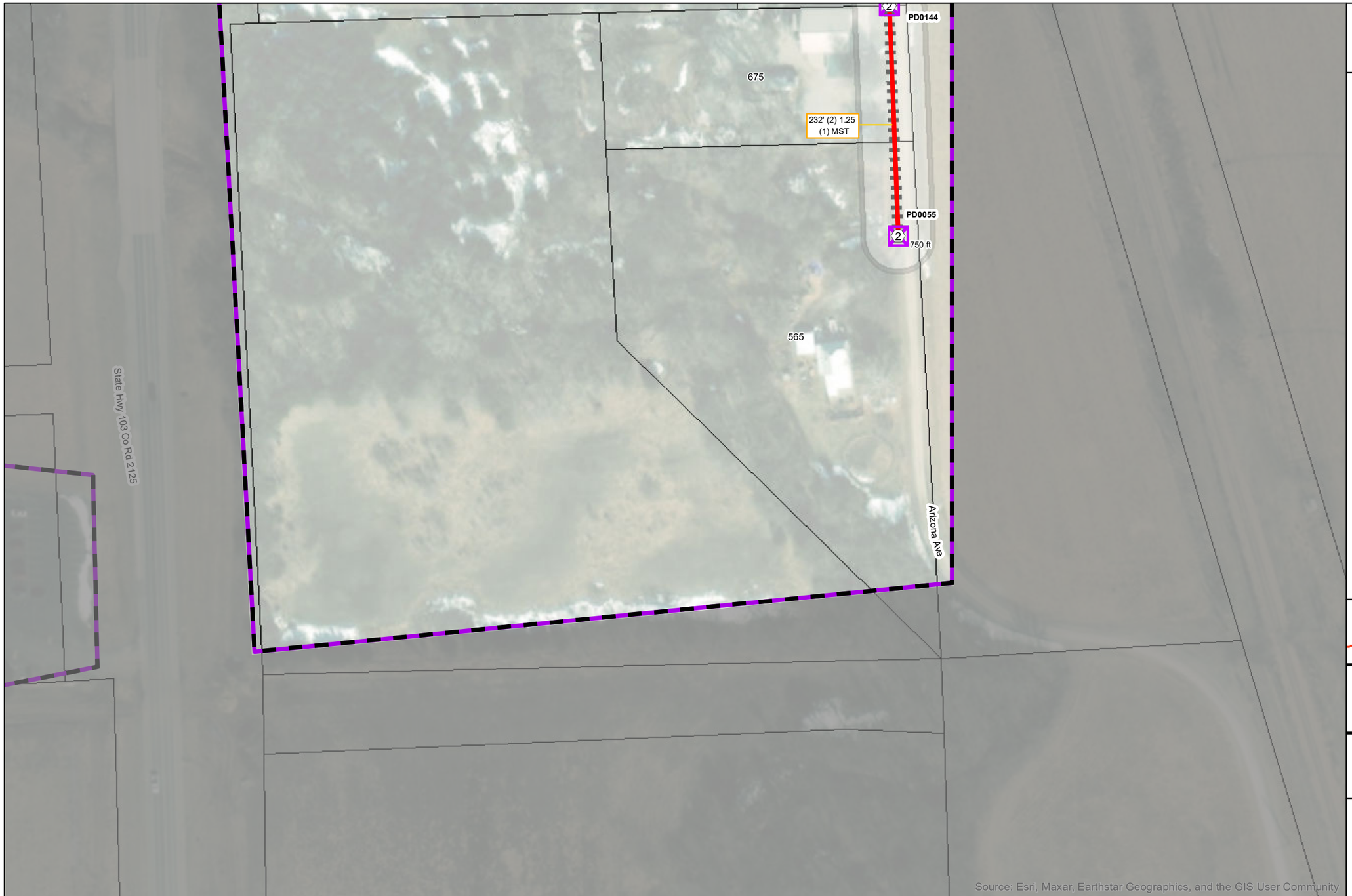

PON: CRE-01-03

DCR: DCR-187

PERMIT:

LEGEND Date: 5/18/2023

PON

FIBEREQUIPMENT

MST 2

STRUCTURE

Small PED

ROUTE

Placement Type

UG Bore

Conduit

MST Runs

FW83	FW84	FW85
FX83	FX84	FX85
FY83	FY84	FY85

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LEGEND Date: 5/18/2023

PON

FIBEREQUIPMENT

4 MST 4

2 MST 2

STRUCTURE

Small PED

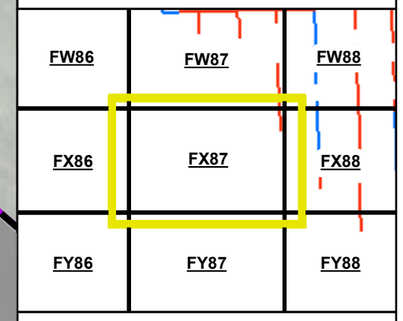
ROUTE

Placement Type

UG Bore

Conduit

MST Runs



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PON: CRE-01-03

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LEGEND Date: 5/18/2023

PON

FIBEREQUIPMENT

- MST 6
- MST 4
- MST 2
- RISER

POLE

Pole Use

- Power
- Telecom

STRUCTURE

- Large PED
- Small PED
- T48 Vault

SPLICECLOSURE

- Underground
- Aerial

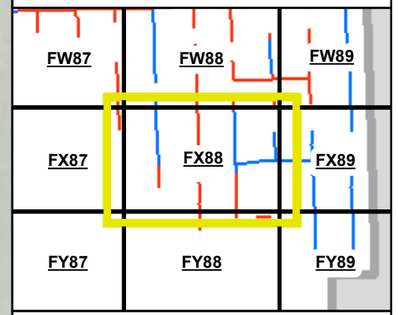
ROUTE

Placement Type

- UG Bore
- Aerial Strand

Future MDU Drop

- Future MDU Drop
- Conduit
- MST Runs



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PON

FIBEREQUIPMENT

- MST 6
- MST 4
- MST 2
- RISER

STRUCTURE

- Com Box
- Small PED

SPLICECLOSURE

- Underground
- Aerial

POLE

Pole Use

- Power
- Telecom

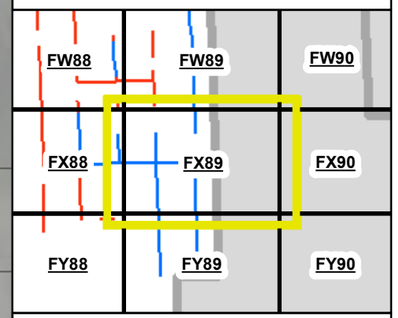
ROUTE

Placement Type

- UG Bore
- Aerial Strand
- Feeder Fiber

Future MDU Drop

- Future MDU Drop
- Conduit
- MST Runs



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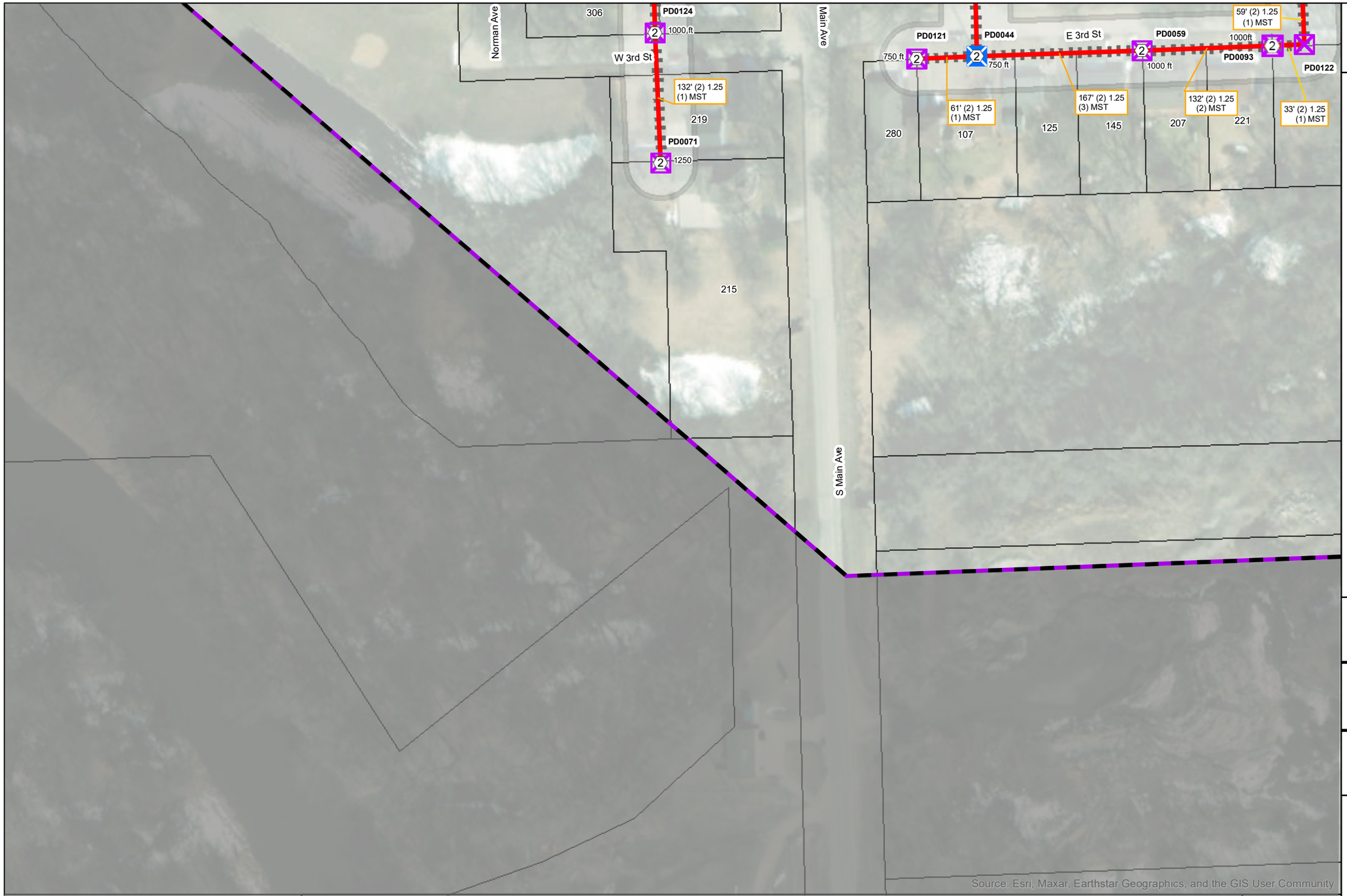


PON: CRE-01-03

DCR: DCR-187

PERMIT:

LEGEND Date: 5/18/2023

PON

FIBEREQUIPMENT

MST 2

STRUCTURE

Large PED

Small PED

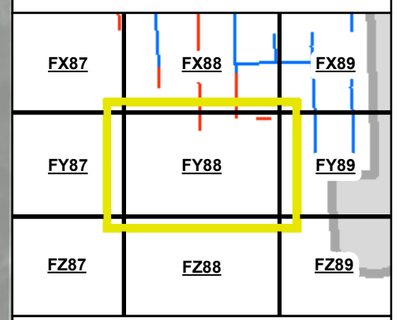
ROUTE

Placement Type

UG Bore

Conduit

MST Runs



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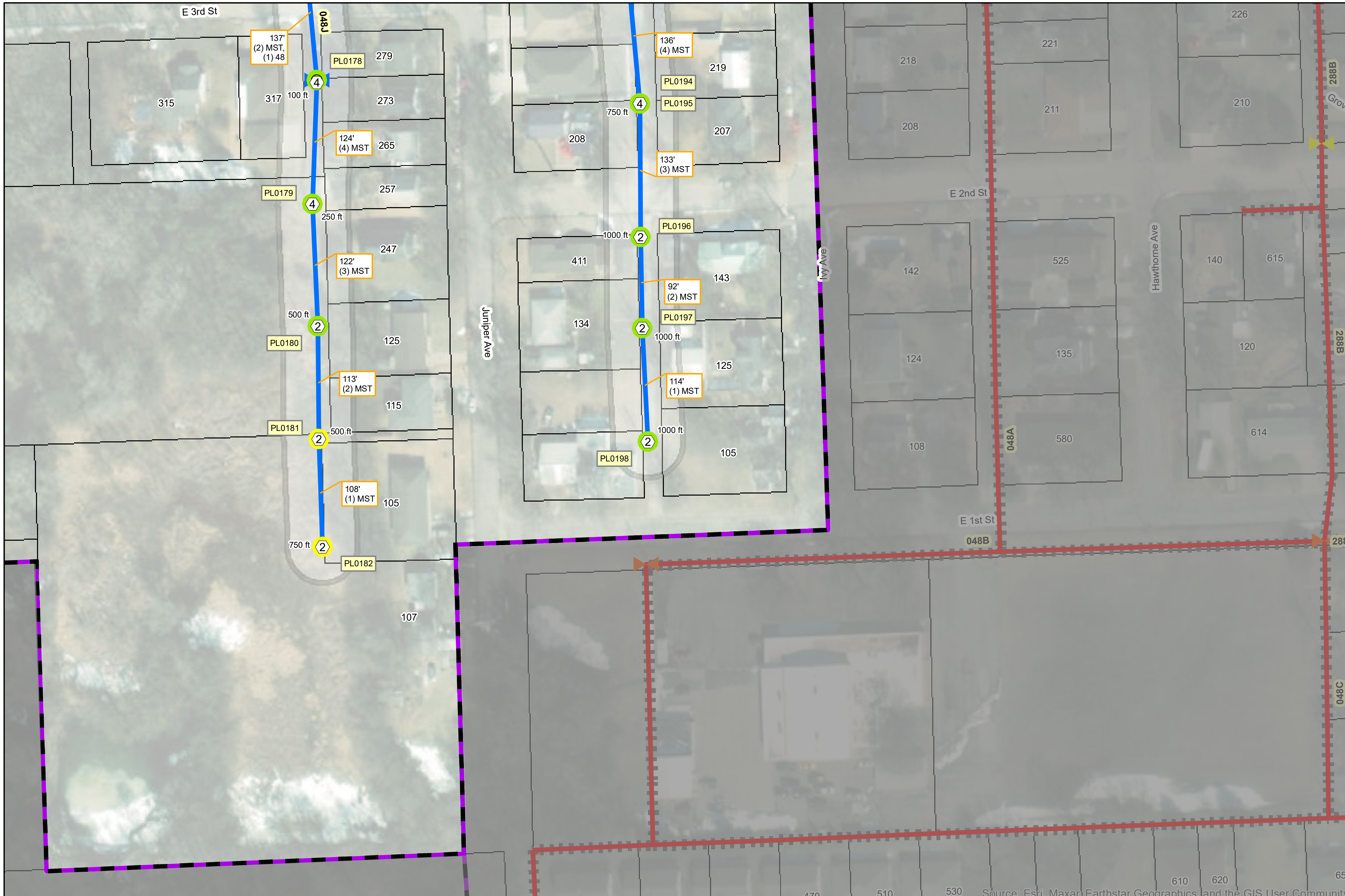


PON: CRE-01-03

DCR: DCR-187

PERMIT:

LEGEND Date: 5/18/2023

PON

FIBEREQUIPMENT

- MST 4
- MST 2

POLE

Pole Use

- Power
- Telecom

SPLICECLOSURE

- <all other values>
- Underground
- Aerial

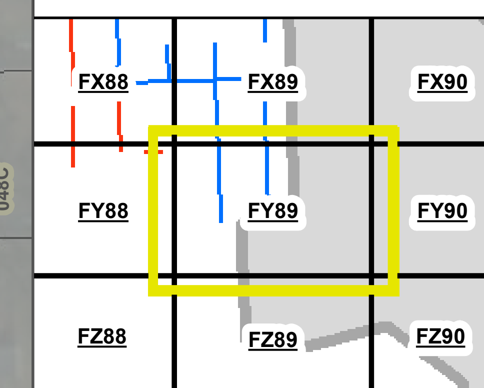
ROUTE

Placement Type

- UG Bore
- Aerial Strand

Future MDU Drop

- Future MDU Drop
- Conduit
- MST Runs



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