

FOR DEPARTMENT USE ONLY

Permit Number 77U-2023-088	Highway Number US 6	County Polk
DOT Project Number STP-6-4(119)--2C-77		Expiration/Completion Date 5-15-24

APPLICANT (INDIVIDUAL OR COMPANY)

First Name Grace	Middle Initial	Last Name Gilborn	Phone Number (515)346-3173	Ext.
Company Name NewCom Technologies on behalf of MCImetro Access Transmission Services LLC			Phone Number	Ext.
Street Address 6000 Grand Avenue		City/Town Des Moines	State IA	ZIP Code 50312
e-Mail Address grace.gilborn@verizon.com		Secondary e-Mail Address permitting@newcomtech.com		

INSTALLATION TO BE ACCOMMODATED

Approval is hereby requested to enter within the state highway right-of-way for the accommodation of a utility installation as detailed on the attachments and further described as follows.

<p>The installation shall consist of: A single 2" HDPE Conduit with a single fiber optic cable. Installation shall enter DOT ROW at STA 203+11; MP 127.099 on US Route 6. Please see attached plans for details.</p> <hr/> <p>NewCom Permit # MPN-4692 NewCom Project - "DES 11911 Hickman Road" TC-01 will be utilized.</p>
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and shall be located as shown on the detailed plan attached hereto. (See current Iowa Department of Transportation Utility Accommodation Policy for submittal of detailed plan requirements. See Section 115.8 (3).) <http://www.iowadot.gov/traffic/pdfs/UtilityPolicy.pdf>

WORK SITE LOCATION

The proposed work as described above is located in Section 29 , Twp. T79N ,
Range R25W on Highway No. 6 generally located 1.70 (miles) East
(direction) from Polk County (city, county line, or other landmark). Work proposed is more
specifically located as being from 127.099 (Milepost #) and 203+11 (Highway Station)
to 127.099 (Milepost #) and 203+11 (Highway Station) on the North side of highway.

Disclosure Statement: The information furnished on this form will be used by the Department of Transportation to determine approval or denial of the application. Failure to provide all pertinent information will result in denial of the application. Information furnished is public information and copies may be provided to the public upon request.

The utility company, corporation, applicant, permit holder or licensee, (hereinafter referred to as the Permit applicant) agrees with the Iowa Department of Transportation (hereafter referred to as the Department) that the following stipulations and those special requirements as listed on this document shall govern under this permit after it is approved by the Department.

A. General

1. The installation shall meet the requirements of local municipal, county, state, and federal franchise rules and regulations, regulations and directives of the Iowa State Commerce Commission; the Iowa Department of Natural Resources, all rules and regulations of the Department and any other laws or regulations applicable.
2. The Permit Holder shall be fully responsible for any future adjustments of the facilities within the established highway right-of-way caused by highway construction or maintenance operations.
3. As per Section 115.8(8) of the Utility Accommodation Policy, As-Built plans are due within 90 days after completion of construction, the utility owner shall submit to the district representative an as-built plan.
4. The work described in this permit shall be completed as proposed in compliance with the stipulations and special requirements within one year from the date Department approval is received for said request. Failure on the part of the Permit Holder to abide by the stipulations or in constructing the work described as stipulated and within the time frame stated shall render this agreement and request null and void. The Permit Holder also agrees to save the State of Iowa and the Department harmless of any damages or losses that may be sustained by any person, or persons, on account of the conditions and requirements of this agreement.
5. Non-compliance with any of the terms of the Department's policy, permit, or agreement, may be considered cause for shut-down of construction operations, revocation of the permit, or withholding of relocation reimbursement and/or withholding of future application approvals until compliance is confirmed. The cost of any work deemed necessary to be performed by the State in removal of non-complying construction will be assessed against the Permit Holder.

B. Construction and Maintenance

1. The location, construction and maintenance of the utility installation covered by this application shall be in accordance with the current Department's Utility Accommodation Policy. <http://www.iowadot.gov/traffic/pdfs/UtilityPolicy.pdf>
2. Before beginning any work in the highway right-of-way, it is the responsibility of the Permit Holder to obtain an easement from the drainage district if necessary. The Department assumes no responsibility for advising the Permit Holder of each location of a drainage district crossing. It is the Permit Holder's responsibility to locate these crossings and obtain any necessary easements or permission from the drainage district. See Code of Iowa, Chapter 468 for additional information.
3. A copy of the approved permit shall be available on the job site at all times for examination by Department personnel.
4. Operations in the construction and maintenance of this utility installation shall be carried on in such a manner as to cause minimum interference to or distraction of traffic on said highway.
5. Traffic protection shall minimally be in accordance with Part VI of the current Manual on Uniform Traffic Control Devices for Streets and Highways. The applicant shall be responsible for correctly using traffic control devices including signs, warning lights, and channelizing devices as needed while work is in progress or the clear zone is impacted. Flagging operations are the responsibility of the applicant. The Department's TC XXX Series Standards are the preferred traffic control specification plans. http://www.iowadot.gov/design/stdplne_tc.htm
6. The applicant shall seed and mulch all disturbed areas within the highway right-of-way and shall be responsible for the vegetative cover until it becomes well established. Any surfaced areas such as driveways or shoulders and sodded waterways and plantings which are disturbed shall be restored to their original condition. Any damage to any other underground facilities during installation shall be repaired at the permit holder's expense.
7. All personnel in the highway right-of-way shall wear ANSI 107 Class 2 apparel at all times when exposed to traffic or construction equipment.
8. As per Policy Section 115.4(9) parking or storage in the clear zone is prohibited. When not in actual use, vehicles, equipment and materials shall not be parked or stored within the clear zone or median.
9. Unless specifically noted in Special Requirements section, all work performed within the right-of-way shall be restricted to 30 minutes after sunrise to 30 minutes before sunset.
10. Pedestals shall be placed within 12 inches of the right-of-way line.
11. All above and below ground appurtenances (pedestals, hydrants, drains, accesses, etc.) shall be marked with high visibility posts and signs. The minimum height requirement for the signs shall be 5 foot. Urban Roadway Sections may be exempted with department approval.

C. Liability

1. To the extent allowable by law, the Permit Holder agrees to indemnify, defend, and hold the Department harmless from any action or liability arising out of the design, construction, maintenance, placement of traffic control devices, inspection, or use of the Permit Holder's facilities. This agreement to indemnify, defend, and hold harmless applies to all aspects of the Department's application review and approval process, plan and construction reviews, and funding participation.
2. The Permit Holder shall indemnify and save harmless the State of Iowa, its agencies and employees, from any and all causes of action, suits at law or in equity, for losses, damages, claims or demands, and from any and all liability and expense of whatsoever nature, arising out of or in connection with the Permit Holder's use or occupancy of the public highway.
3. The State of Iowa and the Department assume no responsibility for damages to the Permit Holder's property occasioned by any construction or maintenance operations on said highway if the facilities are not located in accordance with this permit.
4. The State of Iowa, its agencies or employees, will be liable for expense incurred by the Permit Holder in its use and occupancy of the highway right-of-way only when negligence of the State, its agencies or employees, is the sole proximate cause of such expense. Whether in contract, tort or otherwise, the liability of the State, its agencies and employees, is limited to the reasonable, direct expense to repair damaged utilities, and in no event will such liability extend to loss of profits or business, indirect, special, consequential or incidental damages.

D. Notification

1. The Permit Holder is responsible for contacting **Iowa One-Call (1-800-292-8989)** and request the location of all underground utilities forty-eight (48) hours before excavation. Before beginning work in the highway right-of-way, the Permit Holder shall also contact any other known utility located in the area of the proposed work.
2. The Permit Holder agrees to give the Department forty-eight (48) hour notice of its intention to start construction or to perform routine maintenance on the highway right-of-way. Said notice shall be made to the local DOT contact person whose name is shown on Page 3.
3. **511 Notification**-In accordance with Iowa Code section 321.348, cities and utilities **may not obstruct or close** primary highways or primary highway extensions (State highways within city limits) **without prior consent of the Iowa DOT**, except in emergency situations. Before setting up a lane closure or a vertical/horizontal restriction of any kind on a primary highway, call your local Iowa DOT Maintenance garage and call the Traffic Management Center per attached documents. Except in emergency situations, a 10 day advance notice is required. <http://www.iowadot.gov/traffic/utility/pdfs/511UtilityNotification.pdf>

E. Buy America

Buy America applies to relocations of utility facilities that must move due to highway projects under certain specific conditions that include reimbursable locations and relocations due to interstate projects. Please contact the Department's District Engineering Operation Technician (EOT) for more information on Buy America requirements or visit the following link: <http://www.iowadot.gov/traffic/utility/utility.html>

Permit Number: 77U-2023-088

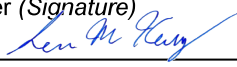
FOR DEPARTMENT USE ONLY

Special Requirements - in addition to the stipulations above, the following special requirements shall apply to this permit:

SEE ATTACHMENTS

Applicant Signature and Agreement


The undersigned have read the stipulations of this permit agreement as stated, as well as attachments which may be included, and by signing this application agree to abide by all stipulations and to complete the work as proposed in compliance with the stipulations and attachments within one year from the date Department approval is granted for said request. Failure on the part of the applicant to abide by the stipulations or to construct the work desired as stipulated and within the time frame stated shall render this agreement and request null and void. The undersigned also agrees to save harmless the State of Iowa and the Iowa Department of Transportation from any damage or losses that may be sustained by any person or persons on account of the conditions and requirements of this agreement.

Name of Agent (Print or Type) Sean Kelly	Agent/Owner (Signature) 	Title Sr. OSP Design Spec/GIS Analyst
Name of Owner (Print or Type) MCImetro Access Transmission Services Corp	Date 04/07/2023	
e-Mail Address permitting@newcomtech.com		

CITY ACTION (IF PROPOSED WORK IS WITHIN AN INCORPORATED CITY, CITY ACTION IS REQUIRED)

"The undersigned city joins in the grants embodied in the above permit executed by the Iowa Department of Transportation on condition that all of the covenants and undertakings therein running to the Iowa Department of Transportation shall inure to the benefit of the undersigned city and recommends action on said permit application as noted below by the delegated city official".

Recommend Approval Do Not Recommend Approval None Required

Handwritten Signature 	Title City Engineer	Date 5/11/23
Type or Print Name John B. Larson	Authorized Official for the City of Urbandale	
e-Mail Address jl Larson@urbandale.org		

COUNTY ACTION (IF PROPOSED WORK CROSSES COUNTY RIGHT-OF-WAY, COUNTY ACTION IS REQUIRED)

"The undersigned county joins in the grants embodied in the above permit executed by the Iowa Department of Transportation on condition that all of the covenants and undertakings therein running to the Iowa Department of Transportation shall inure to the benefit of the undersigned county and recommends action on said permit application as noted below by the delegated county official".

Recommend Approval Do Not Recommend Approval None Required

Handwritten Signature	Title	Date
Type or Print Name	Authorized Official for the County of	
e-Mail Address		


FEDERAL HIGHWAY ADMINISTRATION ACTION (WHEN REQUIRED)

Recommend Approval Do Not Recommend Approval None Required

Authorized FHWA Representative Signature	Date
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DEPARTMENT OF TRANSPORTATION FINAL ACTION

Application Approved Application Denied Permit Number: 77-2023-088

Authorized Highway District Representative Jeffrey Cunningham	Signature 	Date 5-15-23
e-Mail Address jeffrey.cunningham@iowadot.us		

Notice of intention to commence activities on the highway rights-of-way shall be submitted by the applicant a minimum of 48 hours prior to actually commencing the activities as herein granted by this approved application. Notice is to be given to the following Iowa Department of Transportation representative. Except in emergencies a 10 day advance notice is required for lane restrictions of any kind:

Local DOT Contact Person (Type or Print Name) Cory Kirkpatrick	Phone Number 515-834-2368		
Street Address 33654 Overton Circle	City/Town Adel	State IA	ZIP Code 50003
e-Mail Address cory.kirkpatrick@iowadot.us			

Permit Number: 77U-2023-088

Site Plan & Attachments Checklist for IDOT Utilities Accommodation Permit

- Plans showing IADOT Highway Centerline, Highway Number, DOT Stationing and Milepost are required.
- Visible orientation (North Arrow) and identifying landmarks are required.
- Clearly identify Right Of Way (ROW) line with horizontal distance from highway centerline shown, including all breakpoints and changes in the ROW distances.
- Provide Iowa One Call design request information. (Minimally, the list of utilities)
- List all of the existing utilities in the installation area. Describe how your installation will address existing utilities that are in conflict, and show all observable existing features, such as power poles, pedestals, markers, handholes, trees, etc.
- Show all Construction features/Bore Pits with the running line and horizontal distance from roadway edge or centerline. (showing Clear Zone compliance) <http://www.iowadot.gov/traffic/pdfs/UtilityPolicy.pdf>
- Show the start/stop stationing and depths or elevations for all bores, longitudinal and transverse.
- Show the start/stop stationing and depths or elevations for all plowing locations.
- Show casing start/stop locations, lengths, diameter, and material if casings are used.
- Show all facilities that are to be installed on the site plan.
This includes pedestals, wire, conduit, poles, guy anchors, junction boxes, handholes and manholes.
ALL MUST BE REFERENCED BY DOT Stationing and distance from centerline.
- Show where installation starts and stops, leaves ROW, stops at existing pedestal, pole, etc.
Use IADOT stationing and distance from centerline of the start and stops.
- Identify any physical focal points, posts, pedestals, shutoffs, overflow valves, hydrants, etc.
- Describe any other work to accomplish installation before, during and/or after installation, including:
removal of brush/trees, removal of underbuild, construction of access, fence removal, fence replacement, etc.
- Identify unusual issues to be pointed out on the site plan.
CLARITY IS THE KEY, we can't assume you will do it if it is not shown in the plan.

Attachments

- Proper Traffic Control Standards (IADOT TCxxx Series Standard plans preferred)
Available at - http://www.iowadot.gov/design/stdplne_tc.htm
- Required Height / Depth Typical (Supplied by the Department)
- Tile Repair Guide (Rural Locations) (Supplied by the Department)
- Special Seeding Requirements and Erosion Control (Supplied by the Department)
- 511 Lane Restriction Requirements (If lane restriction is anticipated) (Supplied by the Department)
- If paper applications are submitted, at least 2 sets of site plans (11 x 17 preferred) and 1 original of the permit application with all original signatures (Scanned and emailed copies are accepted)

ALL ITEMS MUST BE LEGIBLE FOR REVIEW AND FOR RESCANNING PURPOSES

Special Requirements:

All material or equipment shall be kept 10 feet off Right of Way during non-working hours.

No hole shall remain open within the Right of Way during non-working hours.

Right of Way shall be restored Immediately upon completion of project.

No parking on Shoulders.

No digging into side slopes of any road or highway shall be allowed.

Proper traffic control must be used at all times.

511 must be contacted 48 hours before any shoulder or lane closure.

Supervisor must be contacted 48 hours before work begins. See page 3 of the permit.

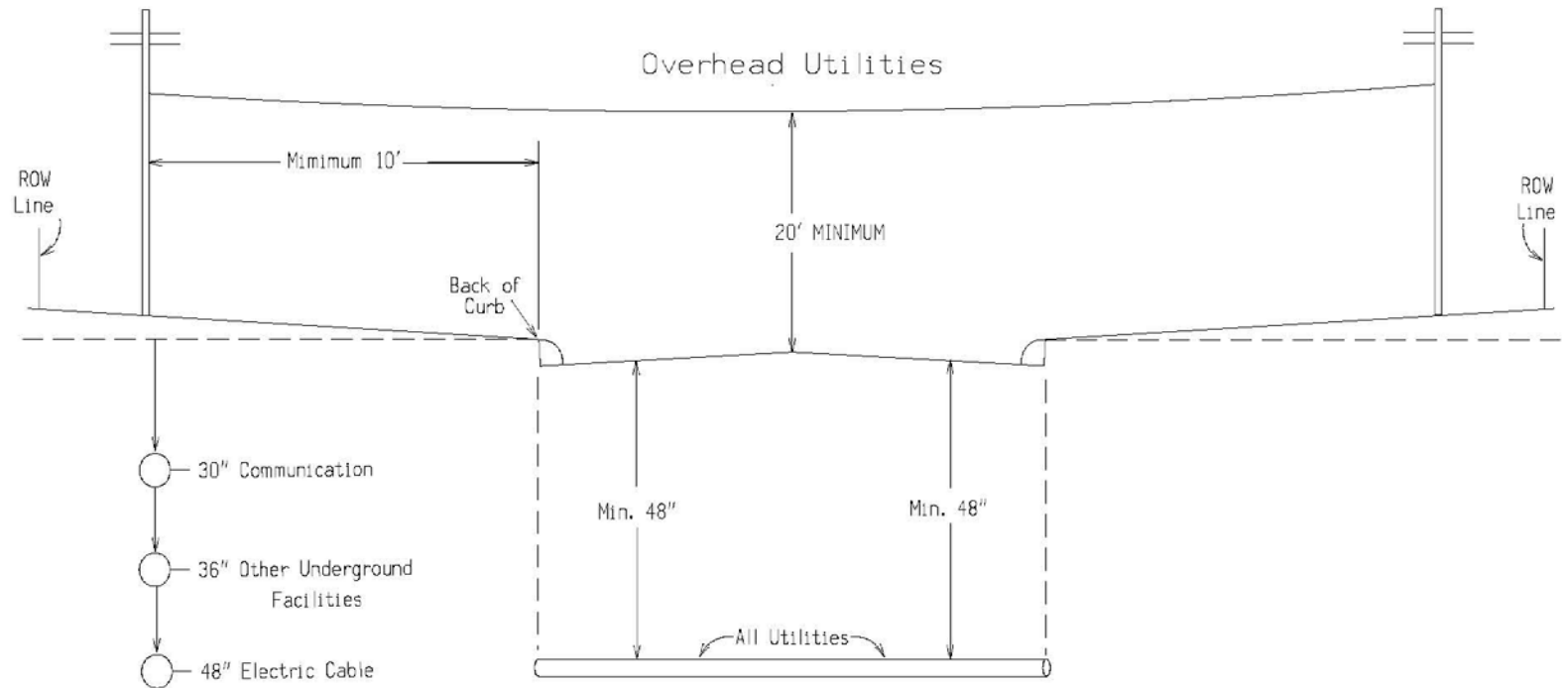
Acceptable Clear-zone Distances (feet).

design speed	design ADT	FORESLOPES			BACKSLOPES		
		6:1 or flatter	Steeper than 6:1, up to and including 4:1	Steeper than 4:1	Steeper than 4:1*	4:1 or flatter, up to 6:1	6:1 or flatter
40 mph or less	ADT < 750	7	7	**	7	7	7
	750 ≤ ADT < 1500	10	12	**	10	10	10
	1500 ≤ ADT < 6000	12	14	**	12	12	12
	ADT ≥ 6000	14	16	**	14	14	14
45 – 50 mph	ADT < 750	10	12	**	8	8	10
	750 ≤ ADT < 1500	14	16	**	10	12	14
	1500 ≤ ADT < 6000	16	20	**	12	14	16
	ADT ≥ 6000	20	24	**	14	18	20
55 mph	ADT < 750	12	14	**	8	10	10
	750 ≤ ADT < 1500	16	20	**	10	14	16
	1500 ≤ ADT < 6000	20	24	**	14	16	20
	ADT ≥ 6000	22	26	**	16	20	22
60 mph	ADT < 750	16	20	**	10	12	14
	750 ≤ ADT < 1500	20	26	**	12	16	20
	1500 ≤ ADT < 6000	26	30	**	14	18	24
	ADT ≥ 6000	30	30	**	20	24	26
65 – 70 mph	ADT < 750	18	20	**	10	14	14
	750 ≤ ADT < 1500	24	28	**	12	18	20
	1500 ≤ ADT < 6000	28	30	**	16	22	26
	ADT ≥ 6000	30	30	**	22	26	28

* Backslopes as steep as 2.5:1 can be considered as part of the clear zone, as long as they are relatively smooth and do not contain any fixed objects. Refer to Section 8A-4 of the Design Manual for information regarding backslopes steeper than 2.5:1.

** Since a vehicle traveling on a slope steeper than 4:1 is likely to be diverted to the bottom of the slope, the width of any slope steeper than 4:1 cannot be counted in the clear zone determination. Refer to Section 8A-2 of the Design Manual for information on providing clear recovery areas at the base of steep slopes.

Minimum Policy Requirements Urban Section Non - Freeway Highway



E-9

01/2012

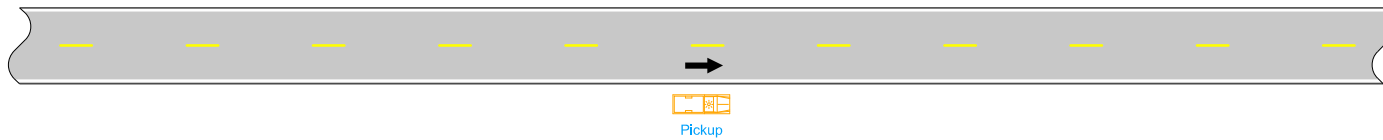
Notes:
 Utilities shall be located between back of curb and the highway row.
 Utilities should be located as near to the highway row line as practical.
 See Utility Policy, Section 115.13 for further details.

Do not allow work to interfere with the flow of traffic.

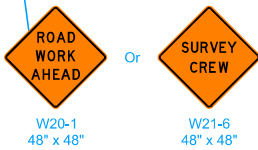
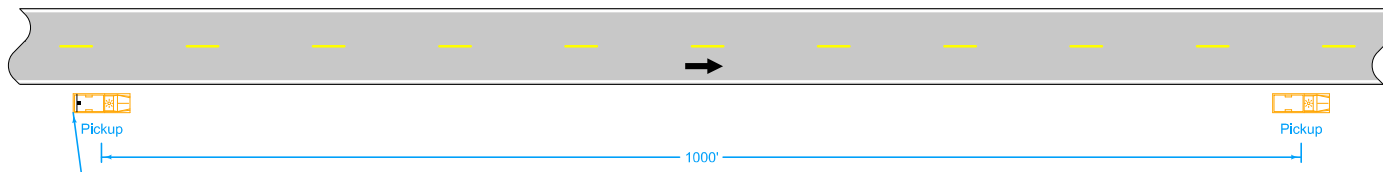
When parked, locate vehicles as far from the open traffic lane as possible. Entrances and driveways should be used whenever appropriate.

Equip all vehicles with an amber revolving light or amber strobe light.

① For work lasting longer than one hour, refer to [TC-202](#) or [TC-402](#).



VEHICLE STOPPED ON SHOULDER FOR LESS THAN ONE HOUR ①



LEGEND	
	Traffic Sign
	Direction of Traffic

Possible Contract Item:
Traffic Control

	REVISION	
	3	10-15-19
STANDARD ROAD PLAN	TC-1	
	SHEET 1 of 1	
REVISIONS: New logo.		

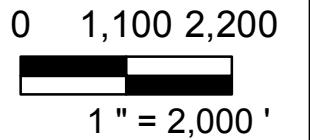
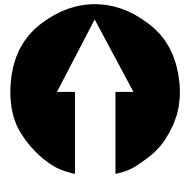
APPROVED BY DESIGN METHODS ENGINEER

Handwritten Signature

**WORK NOT AFFECTING TRAFFIC
(TWO-LANE OR MULTI-LANE)**

NTP: DES 11911 HICKMAN RD

WORK ORDERs:
2302BPSV
NED



PROJECT ENGINEER:



DRAWN BY:

WCE



CHECKED BY:

SMK

NO.	DESCRIPTION	DATE

REVISIONS

NO.	DESCRIPTION	DATE

PROJECT:
VERIZON
FIBER

SHEET TITLE:
COVER

SHEET NO.:

GRID NO: **CV-1**

JOB NO. 00-0000	DATE 3/14/2023
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SYMBOLOLOGY

Equipment

- FDH, AERIAL, Existing
- FDH, AERIAL, Proposed
- FDH, AERIAL, Retired
- FDH, AERIAL, To Be Removed
- Termination Panel, Existing
- Termination Panel, Retired
- Termination Panel, Proposed
- FDT, BUILDING, Proposed
- FDT, BUILDING, Existing
- FDT, BUILDING, Retired
- FDT, BUILDING, To Be Removed
- FDH, BUILDING, Proposed
- FDH, BUILDING, Existing
- FDH, BUILDING, Retired
- FDH, BUILDING, To Be Removed
- FDT, UNDERGROUND, Proposed
- FDT, UNDERGROUND, Existing
- FDT, UNDERGROUND, Retired
- FDT, UNDERGROUND, To Be Removed
- FDH, UNDERGROUND, Proposed
- FDH, UNDERGROUND, Existing
- FDH, UNDERGROUND, Retired
- FDH, UNDERGROUND, To Be Removed
- FDT, AERIAL, Proposed
- FDT, AERIAL, Existing
- FDT, AERIAL, Retired
- FDT, AERIAL, To Be Removed
- VFDT, FIBER, Proposed
- VFDT, FIBER, Existing
- VFDT, FIBER, Retired
- FFDF, FIBER, Proposed
- FFDF, FIBER, Existing
- FFDF, FIBER, Retired

Transmedia

- AERIAL, Proposed
- AERIAL, Existing
- AERIAL, Retired
- LEASED, Proposed
- LEASED, Existing
- LEASED, Retired
- BUILDING, Proposed
- BUILDING, Existing
- BUILDING, Retired
- BURIED, Proposed
- BURIED, Existing
- BURIED, Retired
- FDT, Proposed
- FDT, Existing
- FDT, Retired
- FFDF, Existing
- FFDF, Proposed
- FFDF, Retired

Span

- AERIAL, Proposed
- UGSPAN, Existing
- UGSPAN, Proposed
- LSPAN, Existing
- LSPAN, Existing
- LSPAN, Proposed
- Spans Outside Work Order
- Aerial Span Outside Work Order

DemandPoints

- Existing
- Proposed

Slack Loop

- Proposed
- Existing
- Retired

SpliceClosure

- Proposed
- Existing
- Retired
- Other Work Orders
- THEORETICAL SPLICE, Proposed
- THEORETICAL SPLICE, Existing
- THEORETICAL SPLICE, Abandoned

Structure

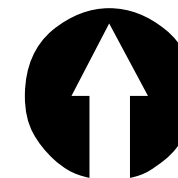
- HH/MH/PB, Existing
- HH/MH/PB, Proposed
- HH/MH/PB, Abandoned
- HH/MH/PB, To Be removed
- POLE, Existing
- POLE, Proposed
- POLE, Abandoned
- POLE, To Be Removed
- BUILDING

WorkOrderPoly

- Current Work Order
- Other Work Orders

Existing Utilities

- Fiber Ped
- Fire Hydrant
- Gas Valve
- Handhole
- Manhole
- Pole
- Storm Inlet
- Street/Traffic Light
- Water Valve
- Culvert
- Fiber
- Cable
- Electric
- Gas
- Sanitary Sewer
- Storm
- Telephone
- Water



0 30 60



1" = 50'

PROJECT ENGINEER:



DRAWN BY:

SMK



CHECKED BY:

SMK

NO.	DESCRIPTION	DATE

REVISIONS

PROJECT:

VERIZON FIBER

SHEET TITLE:

SYMBOLOLOGY

SHEET NO.

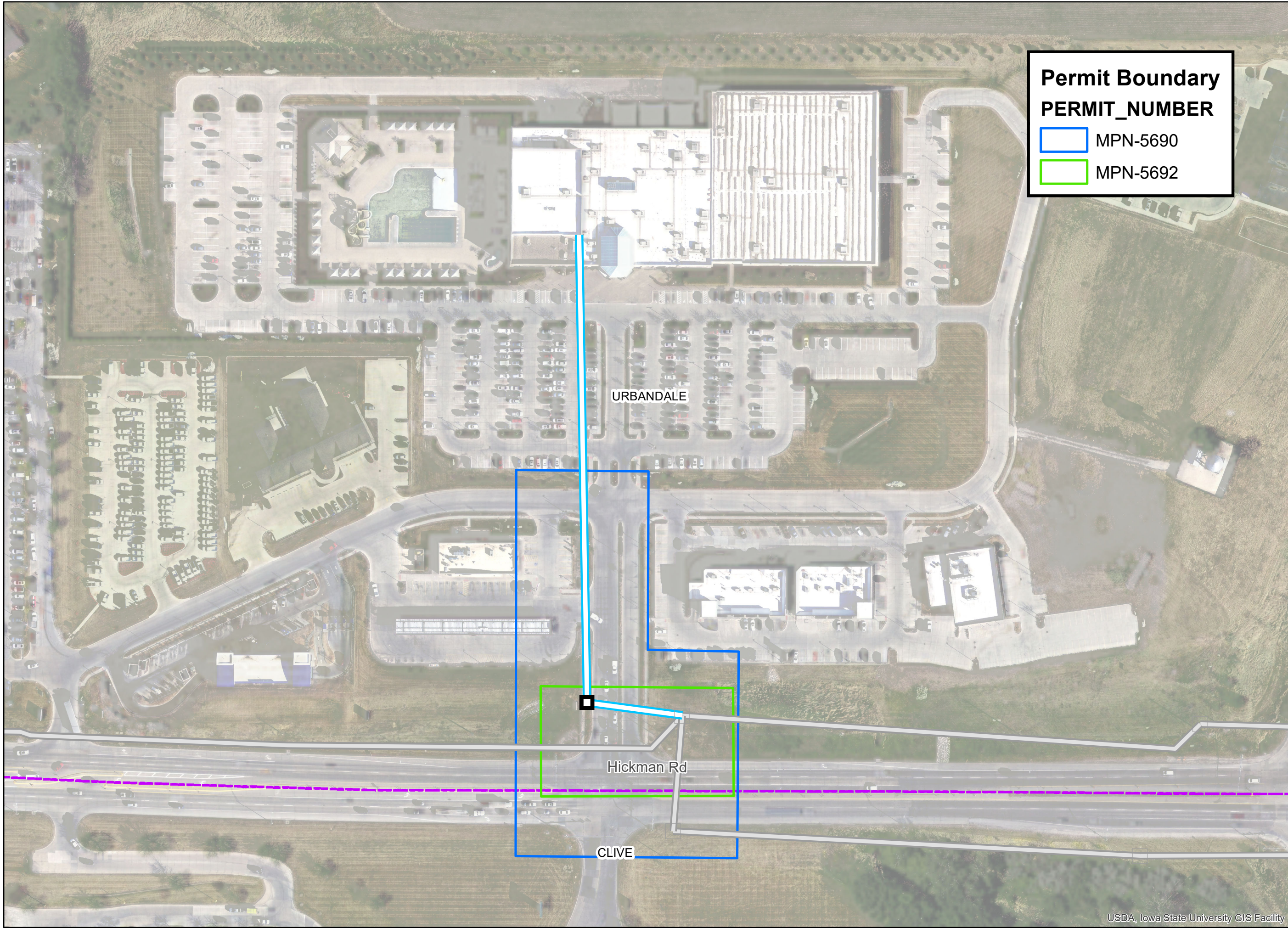
GRID NO:

JOB NO.

17-0618

DATE

3/4/2023



Permit Boundary
PERMIT_NUMBER

MPN-5690

MPN-5692

0 75 150
 1" = 125'

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REVISIONS

NO.	DESCRIPTION	DATE

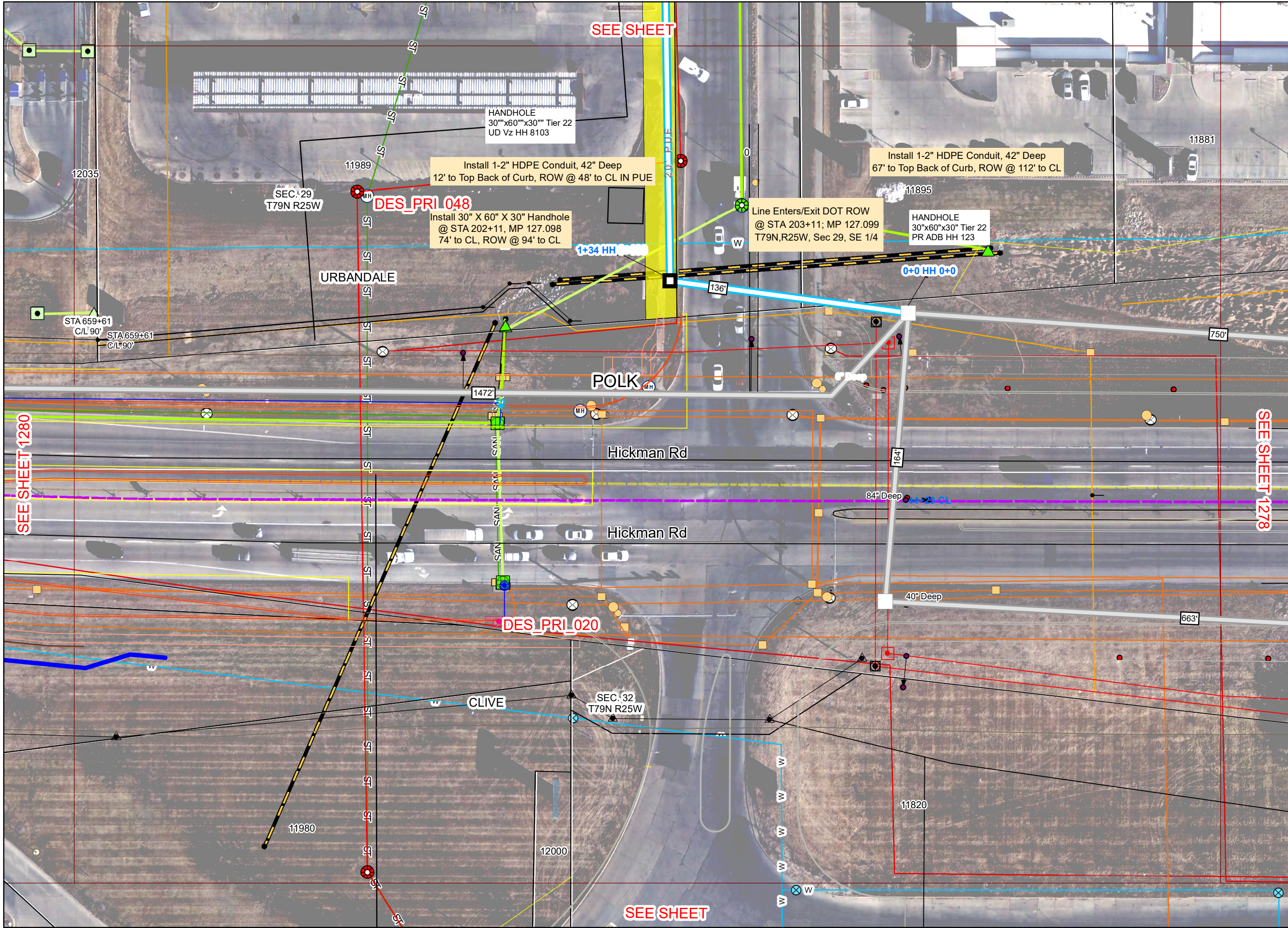
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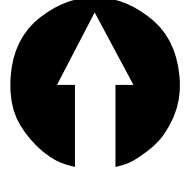
SHEET TITLE: NED PERMIT MAP

SHEET NO. PM-1

GRID NO:


JOB NO. 17-0618	DATE 3/24/2023
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0 30 60
1" = 50'

PROJECT ENGINEER:




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MTB

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SMK



NO.	DESCRIPTION	DATE
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REVISIONS		
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	1280 1279 1278	

PROJECT:

VERIZON FIBER

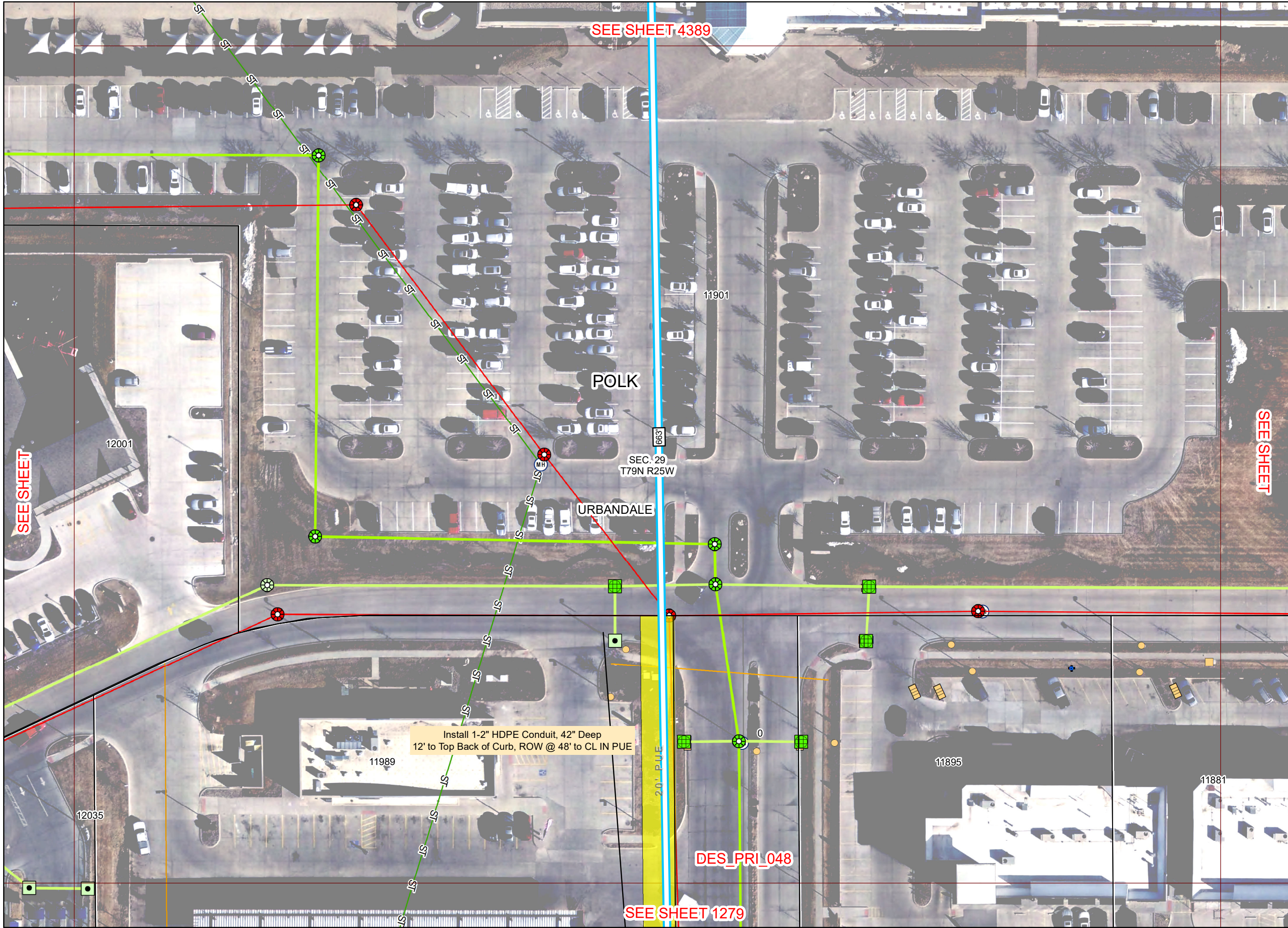
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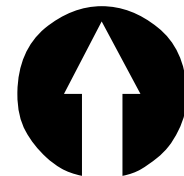
SHEET NO.:

GRID NO: 1279

JOB NO. 17-0618 DATE 3/29/2023



SEE SHEET 4389



0 30 60



1" = 50'

PROJECT ENGINEER:



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MTB

CHECKED BY:

SMK



NO.	DESCRIPTION	DATE
0	FOR REVIEW	MTB

REVISIONS		
0	FOR REVIEW	MTB

Unknown	4389	Unknown
Unknown	4388	Unknown
1280	1279	1278

PROJECT:

VERIZON FIBER

SHEET TITLE:

NED

SHEET NO.

GRID NO:

4388

JOB NO.

17-0618

DATE

3/29/2023

SEE SHEET

SEE SHEET

DES_PRI_048

SEE SHEET 1279

Install 1-2" HDPE Conduit, 42" Deep
12' to Top Back of Curb, ROW @ 48' to CL IN PUE

20' PUE

POLK

URBANDALE

SEC. 29
T79N R25W

11901

12001

12035

11989

11895

11881

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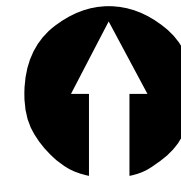
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SEE SHEET

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0 30 60



1" = 50'

PROJECT ENGINEER:



DRAWN BY:

MTB

CHECKED BY:

SMK



POLK

SEC. 29
T79N R25W

URBANDALE

11901

HH 0+800

663

SEE SHEET 4388

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SEE SHEET

0	FOR REVIEW	MTB
NO.	DESCRIPTION	DATE

REVISIONS

4389

4388

Unknown

PROJECT:

VERIZON FIBER

SHEET TITLE:

NED

SHEET NO.

GRID NO:

4389

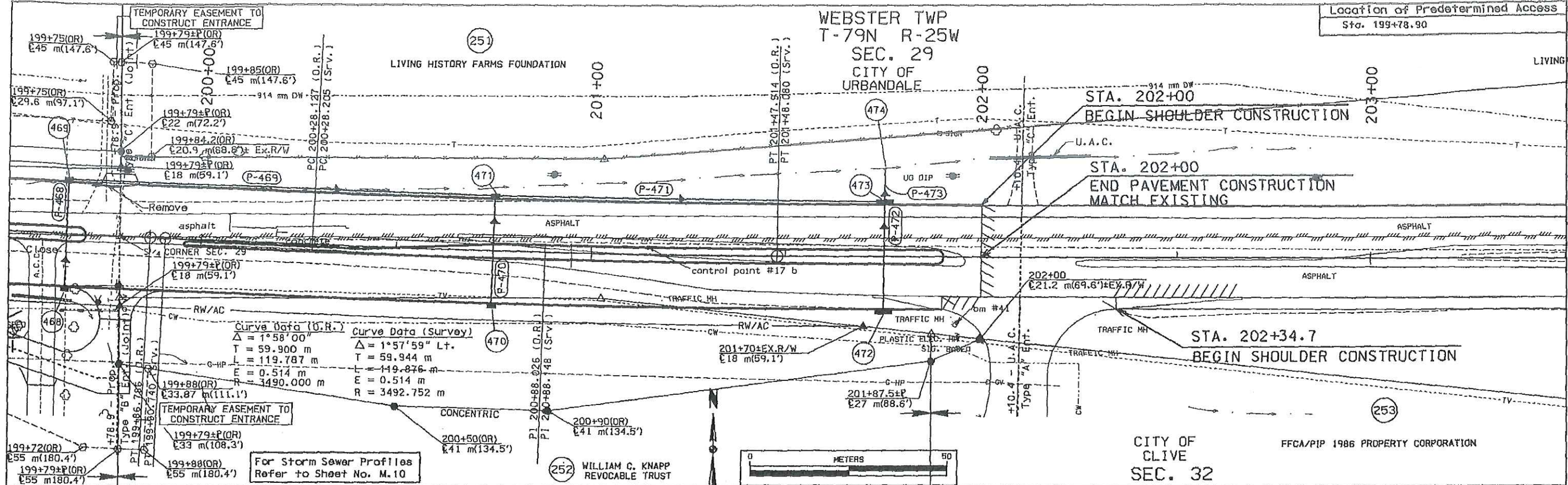
JOB NO.

17-0618

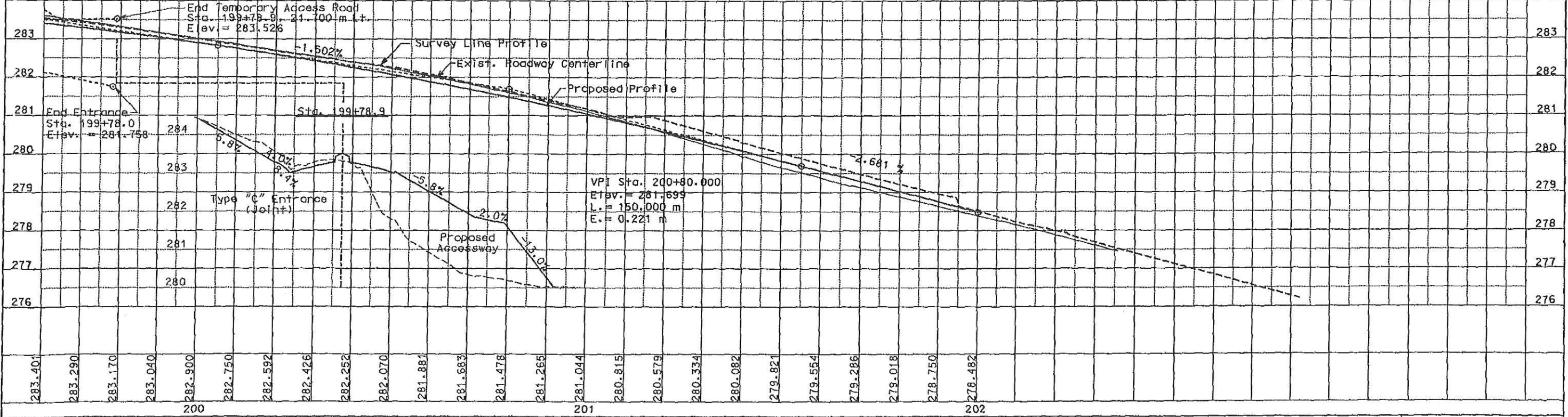
DATE

3/29/2023

Location of Predetermined Access
Sta. 199+78.90



$F + 25\% = 10109 \text{ m}^3$	$C = 5094 \text{ m}^3$ $+ 482 \text{ m}^3$ from Sta. 198+52.485 to Sta. 199+75 $+ 726 \text{ m}^3$ from Sta. 201+90 to Sta. 204+93.2 $+ 3807 \text{ m}^3$ Embankment In Place $= 10109 \text{ m}^3$	$C = 1016 \text{ m}^3$	$F+25\% = 290 \text{ m}^3$ $+ 726 \text{ m}^3$ to Sta. 199+75 to Sta. 201+90 $= 1016 \text{ m}^3$
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D-1-A