



APPLICATION AND AGREEMENT FOR USE OF  
HIGHWAY RIGHT-OF-WAY FOR UTILITIES ACCOMMODATION

FOR DEPARTMENT USE ONLY

Permit Number <b>77U-2022-089</b>	Highway Number <b>I-35</b>	County <b>Polk</b>
DOT Project Number <b>IMN-35-4(86)96-0E-77</b>		Expiration/Completion Date <b>6-6-23</b>

APPLICANT (INDIVIDUAL OR COMPANY)

First Name Marcus	Middle Initial	Last Name Moulds	Phone Number 515-414-6852	Ext.
Company Name Unite Private Networks, LLC			Phone Number 866-813-3608	Ext.
Street Address 1415 28th Street Suite 240		City/Town West Des Moines	State IA	ZIP Code 50266
e-Mail Address marcus.moulds@upnfiber.com		Secondary e-Mail Address		

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.

The installation shall consist of:  
One 1 1/4" SDR 13.5 HDPE conduit and a single 96 count fiber optic cable, crossing Interstate 35 at NE 126th Avenue in Polk County.

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NewCom Permit # UPN-4673  
NewCom Project - "Interstate 35 Relocation South Crossing"  
TC-01 will be utilized.

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 30, Twp. 81N, Range 23W on Highway No. 35 generally located 2.40 (miles) North (direction) from Ankeny City Limits (city, county line, or other landmark). Work proposed is more specifically located as being from 96.828 (Milepost #) and ~~1793+72~~ 495+00 (Highway Station) to 96.833 (Milepost #) and ~~1793+03~~ 495+00 (Highway Station) on the Crossing 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(6) 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](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: \_\_\_\_\_



**FOR DEPARTMENT USE ONLY**

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

**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 M Kelly	Agent/Owner (Signature) <i>Sean M Kelly</i>	Title Sr. OSP Design Spec/GIS Analyst
Name of Owner (Print or Type) Unite Private Networks, LLC	Date 05/17/2022	
e-Mail Address skelly@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	Date
Type or Print Name	Authorized Official for the City of	
e-Mail Address		

**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 <i>Aaron Putnam</i>	Title County Engineer	Date 5/27/22
Type or Print Name Aaron Putnam	Authorized Official for the County of Polk	
e-Mail Address aaron.putnam@polk-county-ia.gov		

**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: **77U-2022-089**

Authorized Highway District Representative Jeff Cunningham	Signature <i>Jeffrey Cus</i>	Date 6-6-22
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) Scott Robinson		Phone Number 515-663-6367	
Street Address 57073 US Hwy 30	City/Town Ames	State IA	ZIP Code 50010
e-Mail Address scott.robinson@iowadot.us			

Permit Number: \_\_\_\_\_



District One  
Des Moines Area Engineer's Office  
2300 SE 17<sup>th</sup> Street Grimes, IA 50111

June 6, 2022

Permit 77U-2022-089

Unite Private Networks LLC  
Attn: Marcus Moulds  
1415 28<sup>th</sup> Street Suite 240  
West Des Moines, IA 50266

Enclosed is a copy of approved permit number 77U-2022-089 Application and Agreement for use of Highway Right of Way for Bore in 1-1.25" SDR 13.5 HDPE conduit and a single 96 count fiber optic cable at station 495+00 on I-35.

Please note the stipulations and changes that we may have made since the permit was submitted.

A copy of this permit must be at the work site at all times while work is in progress.

If you have any questions, please feel free to call.

Sincerely,

Jeffrey Cunningham  
Access/Utility Specialist

Attachments

JC/jc.

Cc: Tami Bailiff, IDOT 800 Lincoln Way Ames IA, 50010  
Scott Robinson, 57073 US Hwy 30, Ames IA 50010  
Aaron Putnam, Polk County 5885 NW 14<sup>th</sup> Street Des Moines IA 50313  
File



Special Requirements:

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

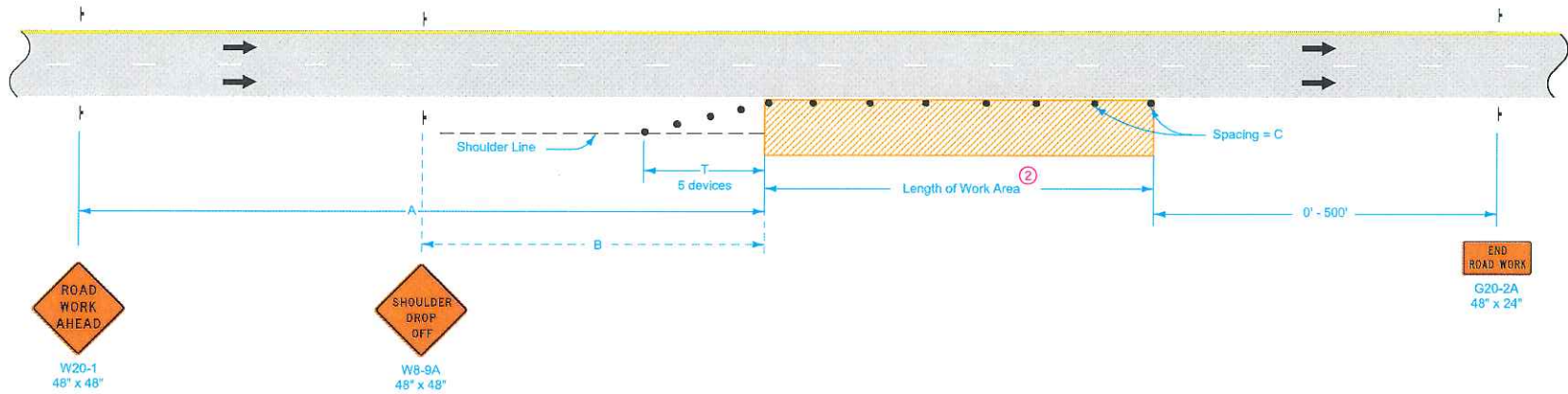
No hole shall remain open within the Right of Way during non-working hours.

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 shall be used at all times.



When a pavement edge drop-off exists, install a SHOULDER DROP-OFF sign.

No pavement edge drop-offs greater than pavement depth will be allowed during non-working hours.

Shoulder edge drop-offs shall be mitigated according to Article 1107.08.K2 of the Standard Specifications.

For work lasting less than one hour, refer to TC-1.

Possible Contract Item:  
Traffic Control

LEGEND	
↑	Traffic Sign
•	42" Channelizer
	Work Area
←	Direction of Traffic

SPEED LIMIT (mph)	A	B	C <sup>②</sup>	T
40 or less	500'	250'	40'	100'
45 - 50	700'	350'	80' <sup>①</sup>	200'
55 - 60	1500'	500'	100' <sup>①</sup>	200'
65 - 70	1500'	500'	100' <sup>①</sup>	230'

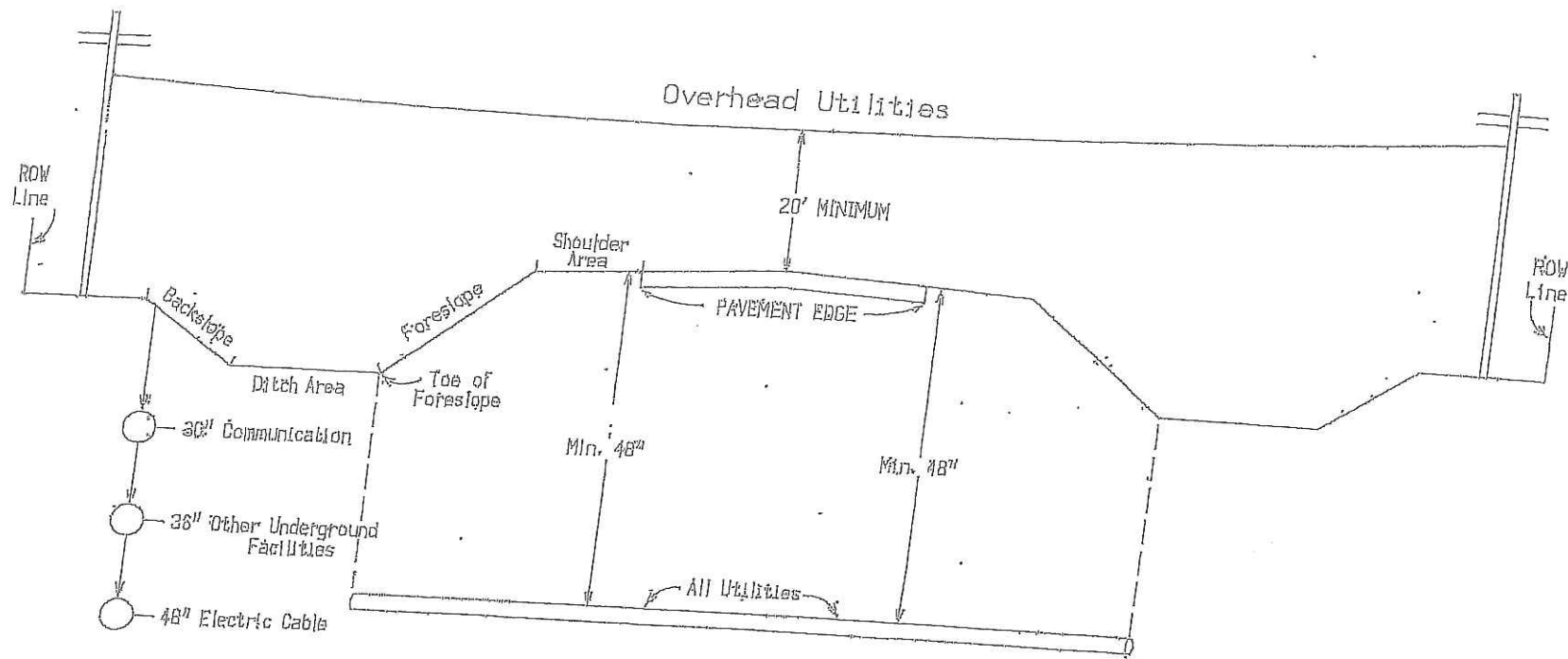
<sup>①</sup> When the length of a pavement edge drop-off is 1000 feet or less, the temporary fillet requirement of Article 1107.08 of the Standard Specifications does not apply. Reduce channelizer spacing to 40 feet.

<sup>②</sup> For work areas less than 200 feet long, use channelizers spaced at 20 foot centers or use a vehicle with an amber revolving light or amber strobe light.

	REVISION	
	9	10-19-21
<b>STANDARD ROAD PLAN</b>		<b>TC-402</b>
<small>REVISIONS: Updated specification reference.</small>		<small>SHEET 1 of 2</small>
 <small>APPROVED BY DESIGN METHODS ENGINEER</small>		
<b>WORK WITHIN 15 FT OF TRAVELED WAY</b>		



# Minimum Policy Requirements Rural Section Non-Freeway Highway



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

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.



# INTERSTATE 35 RELOCATION SOUTH CROSSING



1511 BALTIMORE AVENUE  
2ND FLOOR  
KANSAS CITY, MO 64108  
(866) 813-3608

STORY COUTNY  
INTERSTATE 35  
SOUTH CROSSING

NO.	DATE	REVISIONS	BY	CHK	APP'D
A	02-18-2022	ISSUED FOR REVIEW	SMK	SMK	SMK

ORIENTATION:

SCALE:

DESIGNED BY:

DRAWN BY:

I-35 RELOCATION

COVER PAGE

PRINTED	SHEET NUMBER	REV
02/18/2022	CP-1	A



## GENERAL NOTES

1. WITHIN THESE PLANS AND SPECIFICATIONS, "OWNER" IMPLIES UNITE PRIVATE NETWORKS, UNLESS OTHERWISE NOTED. WITHIN THESE PLANS AND SPECIFICATIONS, "ENGINEER" IMPLIES NEWCOM TECHNOLOGIES, UNLESS OTHERWISE NOTED.
2. THE TERMS "CONTRACTOR" AND "G.C." REFER TO THE OWNER'S GENERAL CONTRACTOR AND THE GENERAL CONTRACTOR'S SUB-CONTRACTORS. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE DIVISION OF WORK AMONG SUB-CONTRACTORS.
3. THE WORK IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR UNLESS NOTED OTHERWISE.
4. THE LOCATIONS OF UNDERGROUND STRUCTURES OR FACILITIES SHOWN ON THESE PLANS ARE BASED ON AVAILABLE RECORDS AT THE TIME OF PREPARATION AND ARE NOT GUARANTEED TO BE COMPLETE OR CORRECT. THE CONTRACT MUST COMPLETE LOCATE REQUESTS 72 HOURS PRIOR TO BEGINNING OF CONSTRUCTION.  
811, OR (800) 292-8989, OR HTTP://WWW.IOWAONECALL.COM
5. THE PROJECT SITE SHALL BE RESTORED TO ITS ORIGINAL CONDITION BY THE CONTRACTOR TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE AND LOCAL PUBLIC JURISDICTION. RESTORATION OF VEGETATION TO PRE-EXISTING CONDITIONS AND SEEDING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. PC CONCRETE AND HOT MIX ASPHALT SHALL COMPLY WITH SUDAS OR PUBLIC JURISDICTION STANDARDS, WHICH EVER IS STRICTER.
6. THE WORK DELINEATED IN THESE DRAWINGS AND DESCRIBED IN THE SPECIFICATIONS SHALL CONFORM TO CODES, STANDARDS AND REGULATIONS THAT HAVE JURISDICTION IN THE STATE(S) OF IOWA, THE COUNTY(S) OF STORY, AND THE CITY(S) OF HUXLEY.
7. REQUIREMENTS AND REGULATIONS PERTAINING TO R.F. SAFETY CODES AND PRACTICES MUST BE INCORPORATED IN THE WORK EVEN THOUGH THEY MAY NOT BE LISTED INDIVIDUALLY AND SEPARATELY IN EITHER THE DRAWINGS OR SPECIFICATIONS.
8. COMPARE FIELD CONDITIONS WITH ENGINEERING DRAWINGS. ANY DISCREPANCIES SHALL BE DIRECTED TO THE ENGINEER FOR CLARIFICATION PRIOR TO FABRICATION AND/OR CONSTRUCTION. SUBMIT NECESSARY SHOP DRAWINGS PRIOR TO FABRICATION FOR APPROVAL BY THE ENGINEER. NO INFORMATION OR DETAILS ON THESE SHEETS MAY BE USED WITHOUT THE PERMISSION OF THE OWNER OR THE ENGINEER
9. SAFETY MEASURES: THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF THE PERSONS AND PROPERTY AND FOR INDEPENDENT ENGINEERING REVIEW OF THESE CONDITIONS. THE ENGINEER'S JOB SITE REVIEW IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTORS SAFETY MEASURES.
10. ANY AND ALL SPLICE LOCATIONS MUST CONTAIN AN 8" GROUND ROD.
11. ALL NEW UNDERGROUND INSTALLATION MUST CONTAIN A #12 LOCATE WIRE
12. PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH THE MUTCD.
13. UPN WILL BE RESPONSIBLE FOR STAKING OF EASEMENTS AND RIGHT-OF-WAYS PRIOR TO INSTALLATION OF ANY FACILITIES. CONTACT NICK FURNESS, POLK CITY'S CONSTRUCTION OBSERVER AT 515-423-4976, nfulness@polkcityia.gov TO ALLOW VERIFICATION OF STAKING.

## PERMIT TRACKING

TRACKING #	ENTITY	TYPE	PERMIT #	STATUS
UPN-4672	POLK COUNTY	RIGHT OF WAY PERMIT		
UPN-4673	IOWA DOT DISTRICT 1	RIGHT OF WAY PERMIT		

I hereby certify that this engineering document was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

(Signature) \_\_\_\_\_ (Date) \_\_\_\_\_

Printed or typed name \_\_\_\_\_

License number \_\_\_\_\_

My license renewal date is December 31, \_\_\_\_\_

Pages or sheets covered by this seal: \_\_\_\_\_



**CALL BEFORE YOU DIG  
(811)  
72 HOURS NOTICE REQUIRED**

The utilities displayed on this drawing are in approximate locations. Unite Private Networks disclaims any responsibility for the accuracy of this information. All utilities must be verified with the proper authorities prior to any excavation.



1511 BALTIMORE AVENUE  
2ND FLOOR  
KANSAS CITY, MO 64108  
(866) 813-3608

### STORY COUNTY INTERSTATE 35 NORTH CROSSING

## PROJECT INFORMATION

SITE NAME: INTERSTATE 35 RELOCATION SOUTH CROSSING  
SITE ADDRESS: VARIES

COUNTY: POLK  
LATITUDE: VARIES  
LONGITUDE: VARIES

### PROJECT DESCRIPTION:

1. INSTALLATION OF SINGLE 1-1/4" SDR 13.5 HDPE CONDUIT
2. INSTALLATION OF SINGLE 96 COUNT FIBER OPTIC CABLE IN NEW CONDUIT

## CONTACTS

POLK COUNTY: 5885 NE 14TH STREET  
DES MOINES, IOWA 50313  
CONTACT: KILEY RILEY  
CELL: (515) 286-3705  
EMAIL: publicworks@polkcountyia.gov

IOWA DOT DISTRICT 1: 2300 SE 17TH STREET  
GRIMES, IOWA 50111  
CONTACT: JEFF CUNNINGHAM  
OFFICE: (515) 986-5461  
EMAIL: jeffrey.cunningham@iowadot.us

UNITE PRIVATE NETWORKS: 1415 28TH STREET, SUITE 240  
WEST DES MOINES, IA 50266  
CONTACT: MARCUS MOULDS  
CELL: (515) 414-8852  
EMAIL: marcus.moulds@upnfiber.com

NEWCOM TECHNOLOGIES: 6000 GRAND AVENUE  
DES MOINES, IOWA 50312  
CONTACT: SEAN KELLY  
OFFICE: (515) 633-1510  
EMAIL: skelly@newcomtech.com

## MATERIAL TAKE OFF

ITEM	AMOUNT
24 COUNT FIBER OPTIC CABLE	0 L.F.
IN EXISTING CONDUIT - OTHER	0 L.F.
IN EXISTING CONDUIT - UPN	0 L.F.
IN NEW CONDUIT	0 L.F.
ON AERIAL POLES	0 L.F.
96 COUNT FIBER OPTIC CABLE	2683 L.F.
IN EXISTING CONDUIT - OTHER	0 L.F.
IN EXISTING CONDUIT - UPN	0 L.F.
IN NEW CONDUIT	2683 L.F.
ON AERIAL POLES	0 L.F.
1-1/4" SCH 13.5 HDPE CONDUIT	4766 L.F.
36" X 24" X 36" HANDHOLE	3
3' X 3' X 3' MANHOLE	0
TYCO 450B SPLICE CASE AND 8' GROUND ROD	2
PANEL	0

SPLICING	AMOUNT
LOCATIONS	xx
BURNS	xx

ROAD/SIDE WALK REPAIR	AMOUNT
SIDEWALK - CONCRETE	0 SQ. FT
STREET - CONCRETE	0 SQ. FT
STREET - ASPHALT	0 SQ. FT
OTHER	0 SQ. FT

OTHER	AMOUNT
CORE DRILL EXISTING UPN MANHOLE	0

## RUNNING LINE

SUPPORT STRUCTURE	AMOUNT
1-1/4" HDPE CONDUIT - BORE/OPEN CUT - 2 CONDUITS	2383 L.F.
1-1/4" HDPE CONDUIT - BORE/OPEN CUT - 1 CONDUIT	0 L.F.
EXISTING CONDUIT - UPN	0 L.F.
EXISTING CONDUIT - OTHER	0 L.F.
AERIAL PLANT	0 L.F.

## SHEET INDEX

SHEET	SHEET DESCRIPTION
OVERVIEW	INTERSTATE 35 RELOCATION - OVERVIEW - 5 PAGES
IRS 01-04	INTERSTATE 35 RELOCATION - FIBER ROUTE - 5 PAGES
XXX	XXX
XXX	XXX
XXX	XXX
XXX	XXX

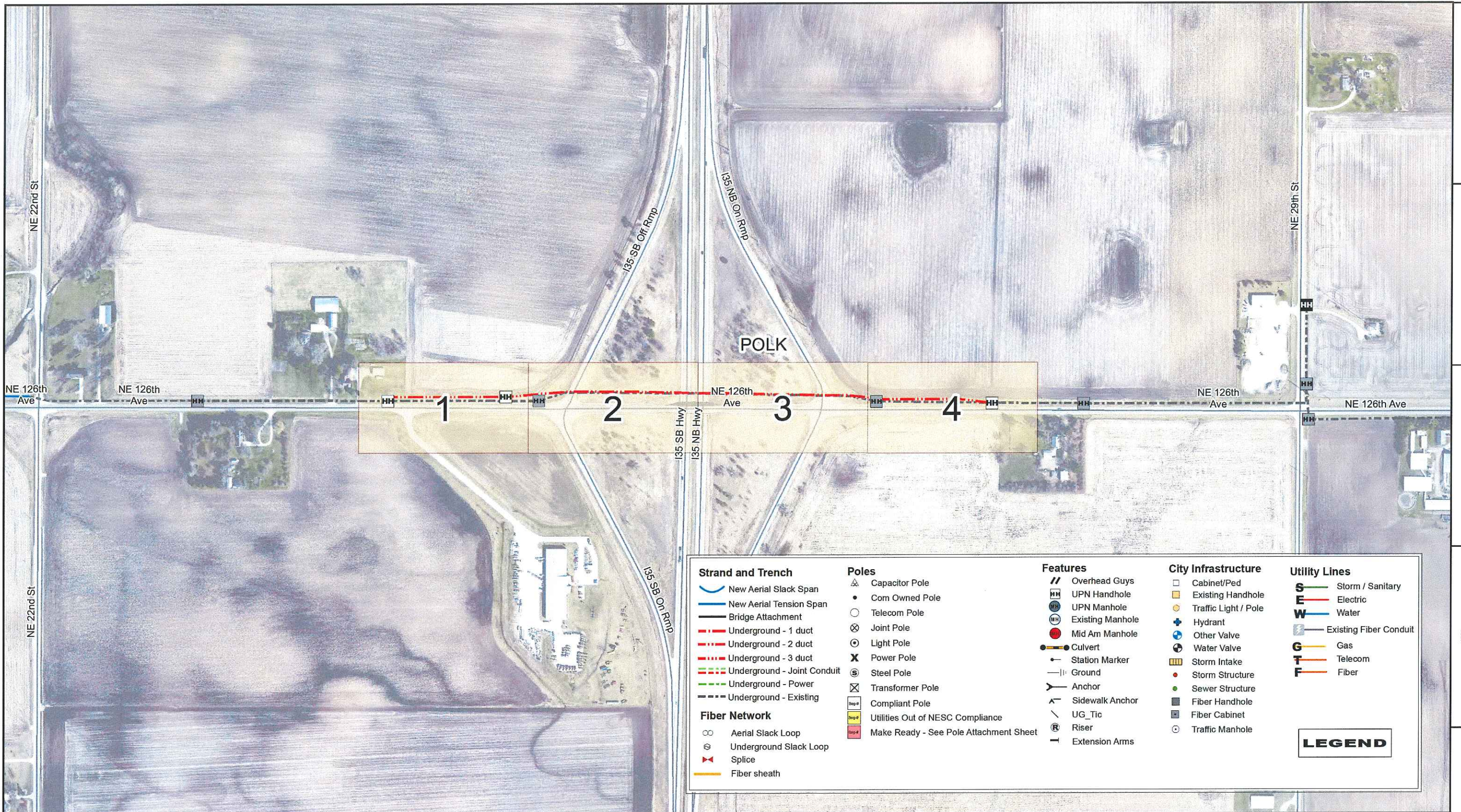
## I-35 RELOCATION

### GENERAL NOTES

PRINTED	SHEET NUMBER	REV
02/18/2022	GN-1	A

ORIENTATION: SCALE: DESIGNED BY: DRAWN BY:





<b>Strand and Trench</b> New Aerial Slack Span New Aerial Tension Span Bridge Attachment Underground - 1 duct Underground - 2 duct Underground - 3 duct Underground - Joint Conduit Underground - Power Underground - Existing <b>Fiber Network</b> Aerial Slack Loop Underground Slack Loop Splice Fiber sheath	<b>Poles</b> Capacitor Pole Com Owned Pole Telecom Pole Joint Pole Light Pole Power Pole Steel Pole Transformer Pole Compliant Pole Utilities Out of NESC Compliance Make Ready - See Pole Attachment Sheet	<b>Features</b> Overhead Guys UPN Handhole UPN Manhole Existing Manhole Mid Am Manhole Culvert Station Marker Ground Anchor Sidewalk Anchor UG_Tic Riser Extension Arms	<b>City Infrastructure</b> Cabinet/Ped Existing Handhole Traffic Light / Pole Hydrant Other Valve Water Valve Storm Intake Storm Structure Sewer Structure Fiber Handhole Fiber Cabinet Traffic Manhole	<b>Utility Lines</b> Storm / Sanitary Electric Water Existing Fiber Conduit Gas Telecom Fiber
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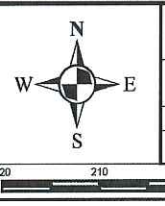
**LEGEND**

**NewCom Technologies**  
 6000 GRAND AVENUE  
 DES MOINES, IA 50312  
 (515) 274-9611

**Unite PRIVATE NETWORKS**  
 1511 BALTIMORE AVENUE  
 2ND FLOOR  
 KANSAS CITY, MO 64108  
 (866) 813-3608

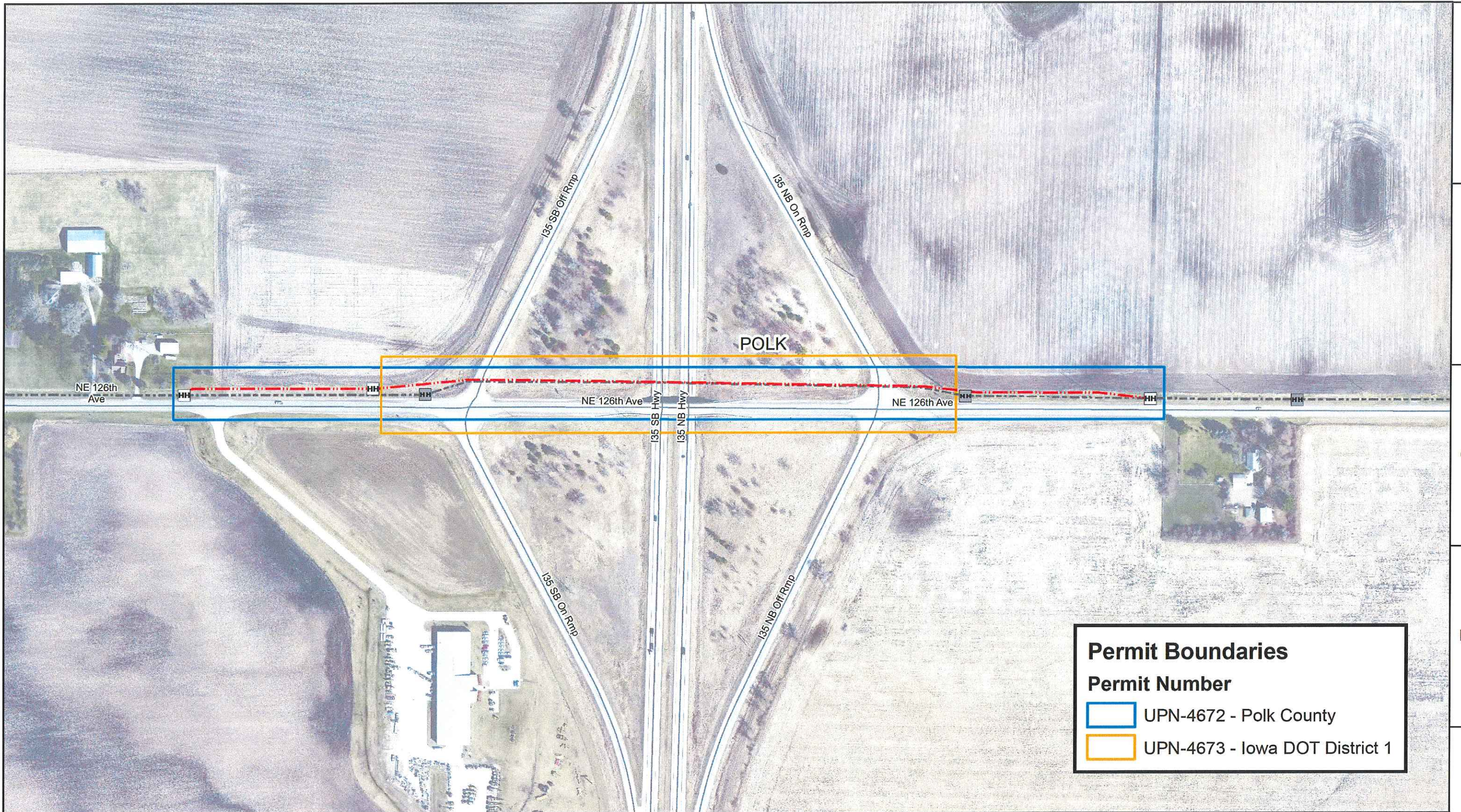
**Polk County  
 Interstate 35  
 South Crossing  
 Relocation**

NO.	DATE	REVISIONS	BY	CHK	APPD
A	02-18-2022	ISSUED FOR REVIEW	SMK	SMK	SMK
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<b>I-35 RELOCATION OVERVIEW</b>		
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**Permit Boundaries**

**Permit Number**

UPN-4672 - Polk County

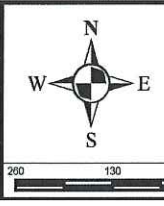
UPN-4673 - Iowa DOT District 1

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**Polk County  
Interstate 35  
South Crossing  
Relocation**

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<b>I-35 RELOCATION</b>		
<b>PERMIT BOUNDARY</b>		
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## SURFACE QUALITY DATA (CL/ASCE 38-02)

**QUALITY LEVEL -- A** - EXPOSE SELECTED SUBSURFACE UTILITIES TO OBTAIN THREE-DIMENSIONAL INFORMATION. USE MINIMALLY INTRUSIVE EXCAVATION METHODS, SUCH AS VACUUM EXCAVATION. DEPICT RESULTING INFORMATION. THIS IS QUALITY LEVEL A (QL-A) INFORMATION.

**QUALITY LEVEL -- B** - USE APPROPRIATE SURFACE GEOPHYSICAL METHODS (I.E., PIPE AND CABLE LOCATORS, TERRAIN CONDUCTIVITY METHODS, RESISTIVITY MEASUREMENTS, METAL DETECTORS, GROUND PENETRATING RADAR, ETC.) TO DESIGNATE EXISTING SUBSURFACE UTILITIES OR TO TRACE A PARTICULAR UTILITY SYSTEM. THIS PROVIDES TWO-DIMENSIONAL HORIZONTAL INFORMATION. PLACE PAINT MARKS ON THE GROUND. PLACE IDENTIFICATION FLAGS OR STAKES ON THE PAINT MARKS OR CODING ON THE PAVEMENT AT 50-FOOT INTERVALS AND SURVEY TO PROJECT CONTROL. DEPICT RESULTING INFORMATION VIA COMPUTER-AIDED DESIGN AND DRAFTING (CADD) OR MANUAL PLOTTING ONTO THE CLIENT'S PLAN SHEETS, GEOGRAPHIC INFORMATION SYSTEM (GIS) DATABASES, OR OTHER APPROPRIATE DOCUMENTS. THIS IS QUALITY LEVEL B (QL-B) INFORMATION. IF REQUESTED BY THE PROJECT OWNER, ALSO PERFORM SURVEYING AND DEPICT INFORMATION ABOUT AERIAL UTILITIES

**QUALITY LEVEL -- C** - MAKE FIELD OBSERVATIONS TO IDENTIFY VISIBLE ABOVE-GROUND UTILITY FEATURES. SURVEY AND PLOT RESULTING INFORMATION. THIS IS QUALITY LEVEL C (QL-C) INFORMATION.

**QUALITY LEVEL -- D** - OBTAIN EXISTING UTILITY INFORMATION FROM OTHER SOURCES. REVIEW ALL INFORMATION THAT CAN BE OBTAINED AND PLOT IT ON A UTILITY COMPOSITE DRAWING OR EQUIVALENT. THIS IS QUALITY LEVEL D (QL-D) INFORMATION.

*All pole line clearances are engineered in compliance with customer/pole owner and NESC Rule 232 clearance limits*

### National Electrical Safety Code Recital

Minimum Clearance of Communication Conductors (Local rules may differ from NESC)		
Rule 232	Category	Description
-1	Track rails of railroads, except overhead electrified	23.5'
-2	Roads, streets, alleys, non-residential driveways, parking lots and other areas subject to truck traffic	15.5'
-3	Residential driveways	15.5'
-4	Other land traversed by vehicles	15.5'
-5	Spaces or ways accessible to pedestrian or restricted 8' vehicle clearance	9.5'
-6	Water areas not suitable for sail boating	14'
-7	Water areas suitable for sail boating	
		- less than 20 acres
		- 20 to 200 acres
		- 200 to 2000 acres
		- Over 2000 acres

**Environmental conditions:**

*The condition below which produces the largest final sag will be used*  
**120° F, no wind displacement and final sag**  
 or  
**32° F, no wind displacement, final sag and ice loading for specific zone**

EXISTING SUBSURFACE UTILITY DATA (CI/ ASCE 38-02)					
UTILITY	UTILITY NAME	QUALITY LEVEL A	QUALITY LEVEL B	QUALITY LEVEL C	QUALITY LEVEL D
CABLE					
ELECTRIC	MIDAMERICAN ENERGY			X	X
GAS	MIDAMERICAN ENERGY			X	X
GAS	NORTHERN NATURAL GAS			X	X
STORM					
WATER	DES MOINES WATER WORKS			X	X
COMMUNICATIONS					
COMMUNICATIONS	WINDSTREAM			X	X
COMMUNICATIONS	ICN			X	X
COMMUNICATIONS					
COMMUNICATIONS					



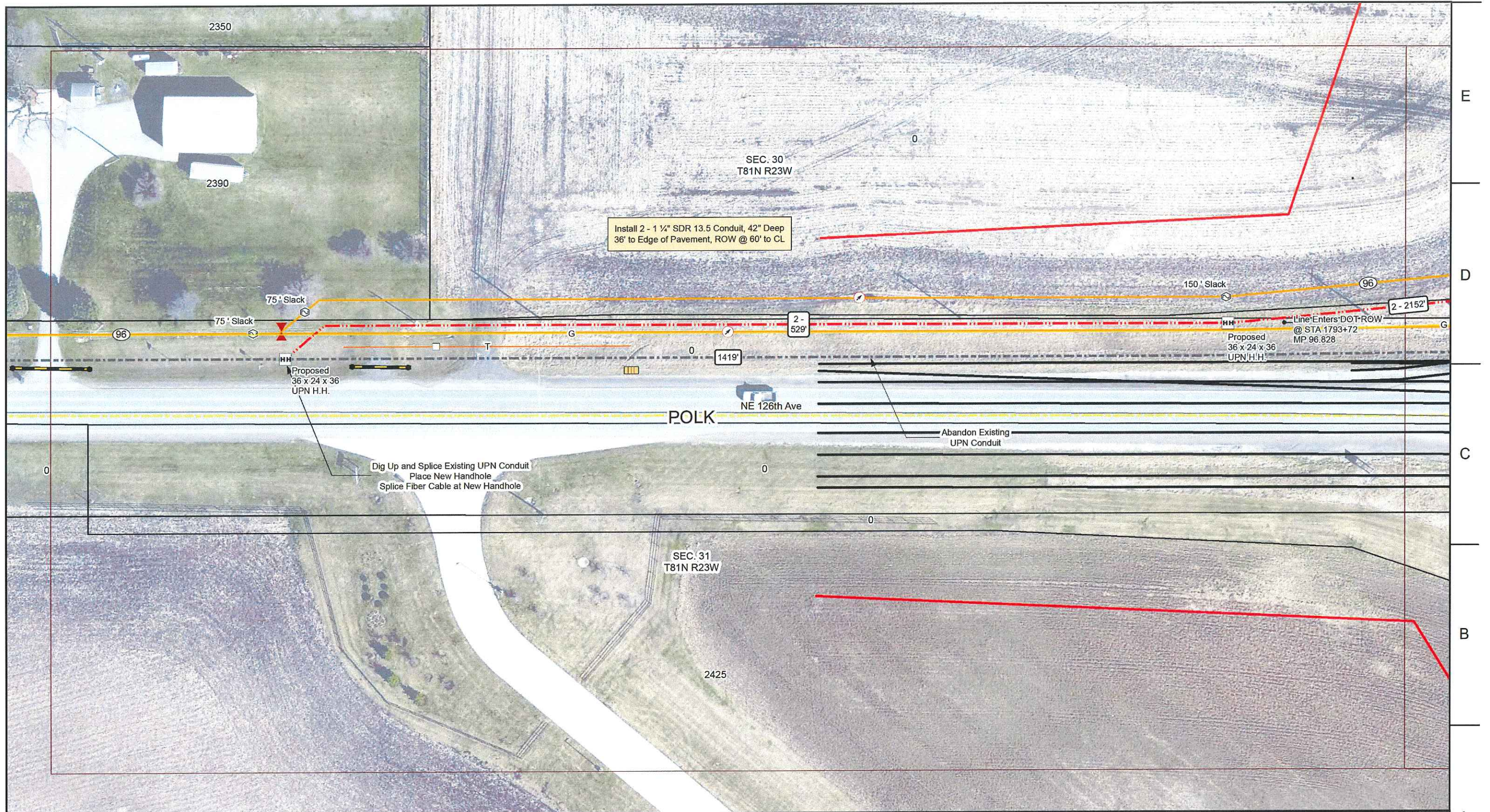
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**STORY COUNTY  
INTERSTATE 35  
SOUTH CROSSING**

SCALE:	DESIGNED BY:	DRAWN BY:	ORIENTATION:	SCALE:
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<b>I-35 RELOCATION</b>		
SURFACE QUALITY DATA		
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Polk County  
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South Crossing  
Relocation

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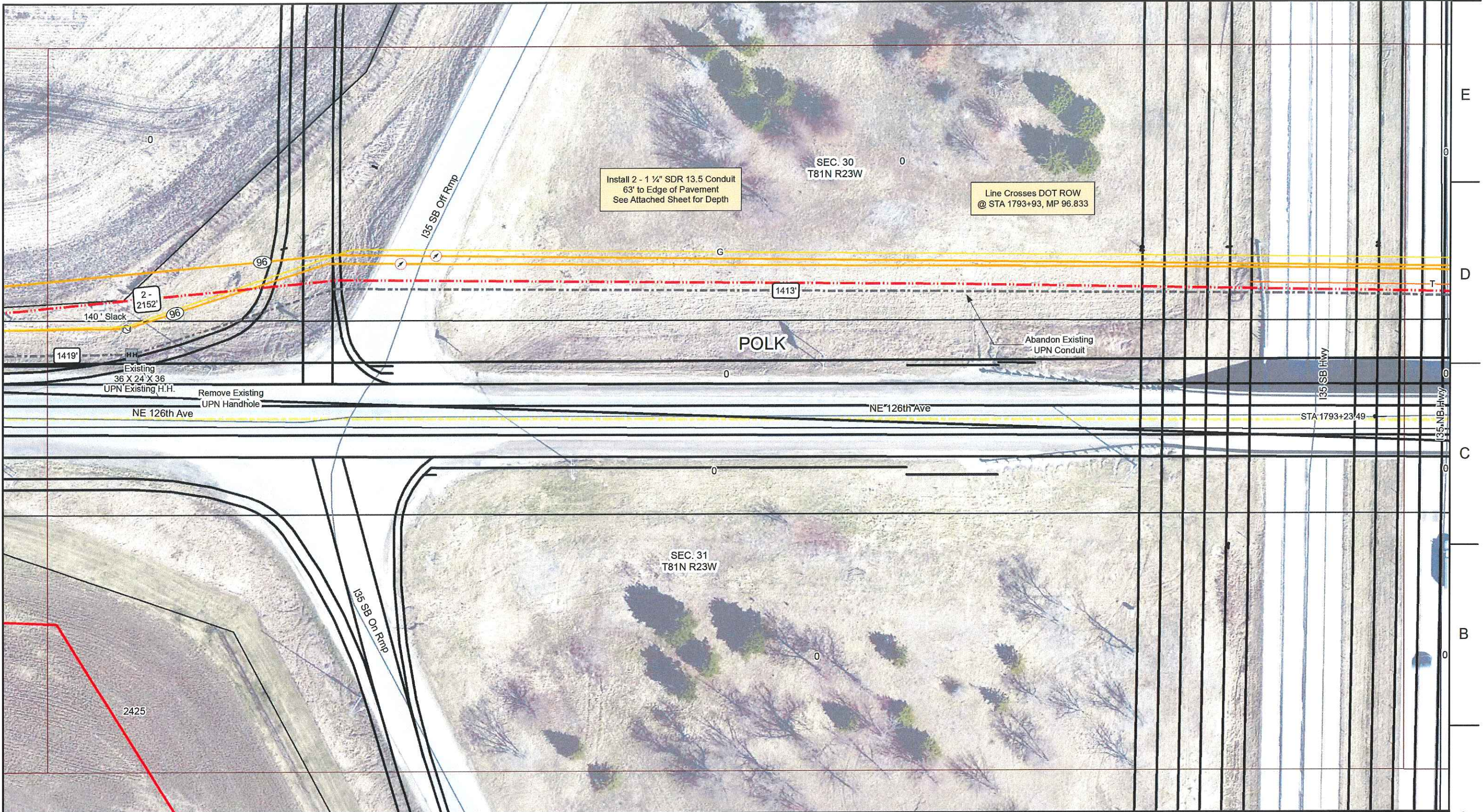
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**I-35 RELOCATION  
CONSTRUCTION PLANS**

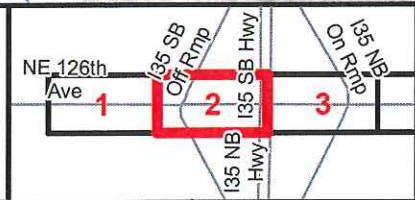
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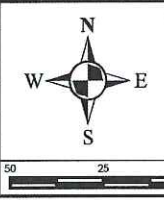
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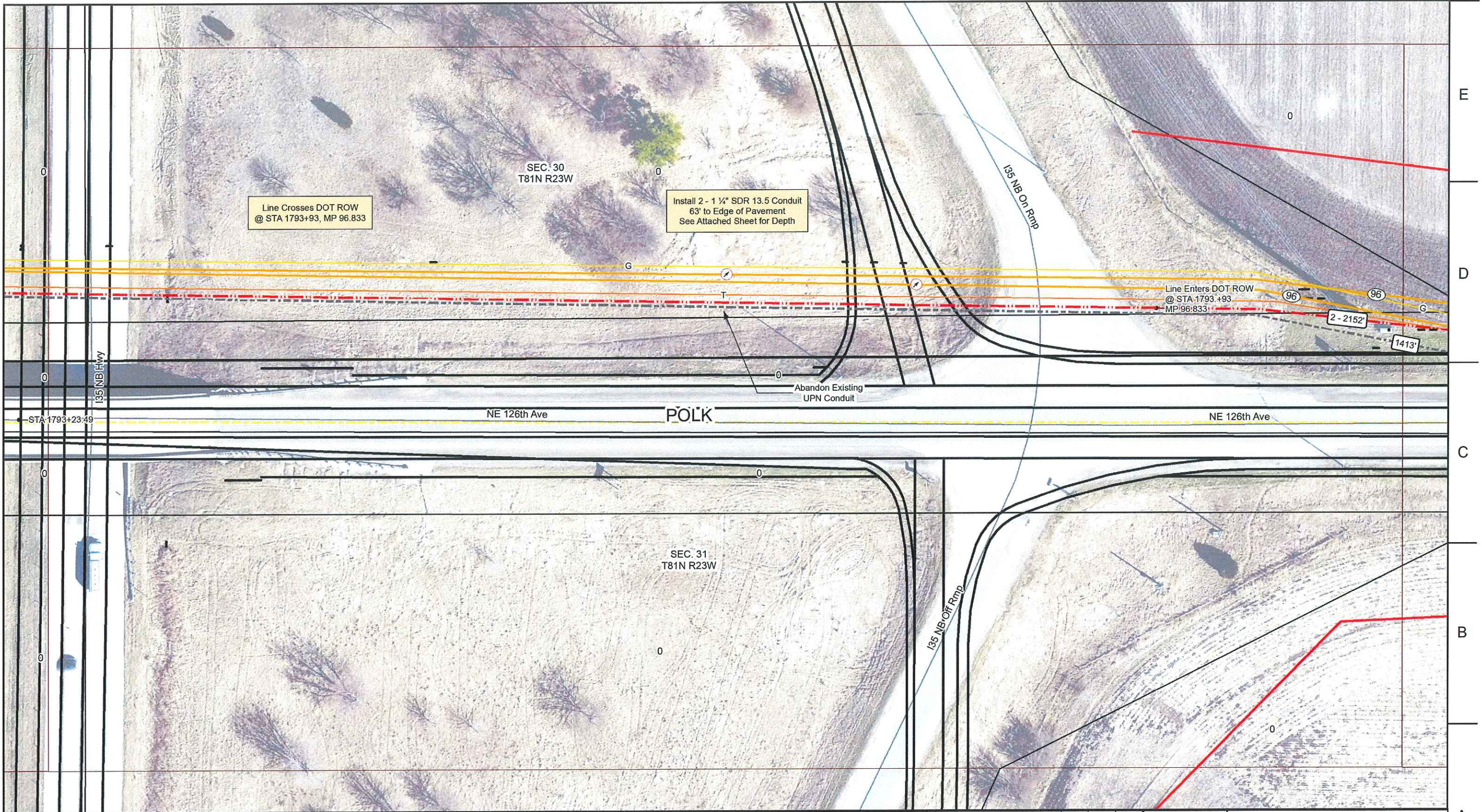
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South Crossing  
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<b>I-35 RELOCATION CONSTRUCTION PLANS</b>		
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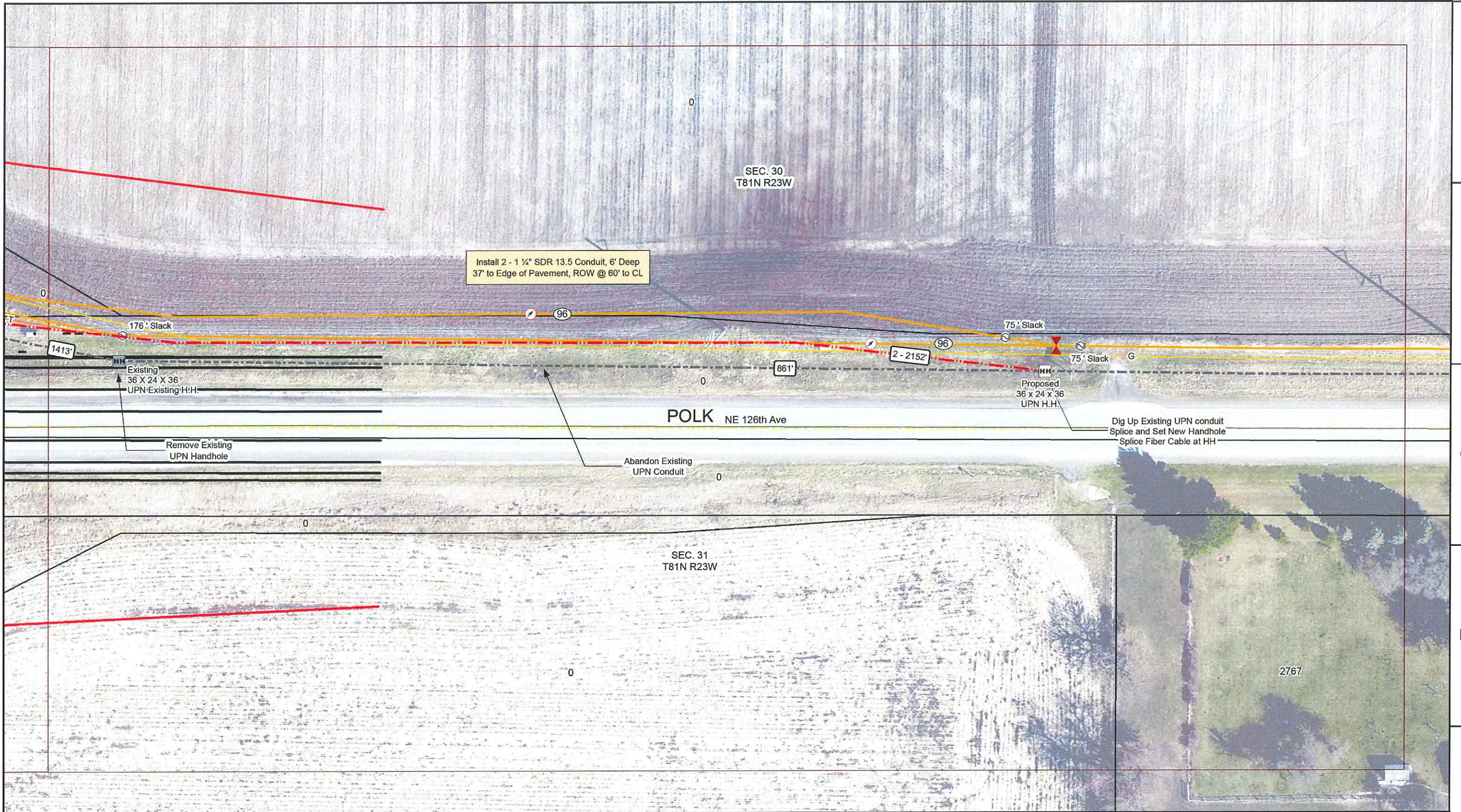
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2/18/2022	Sheet 3 of 4	A

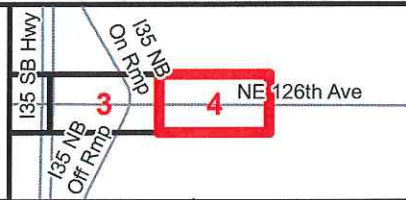




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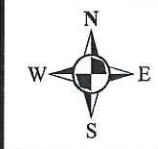
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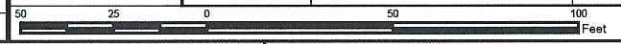
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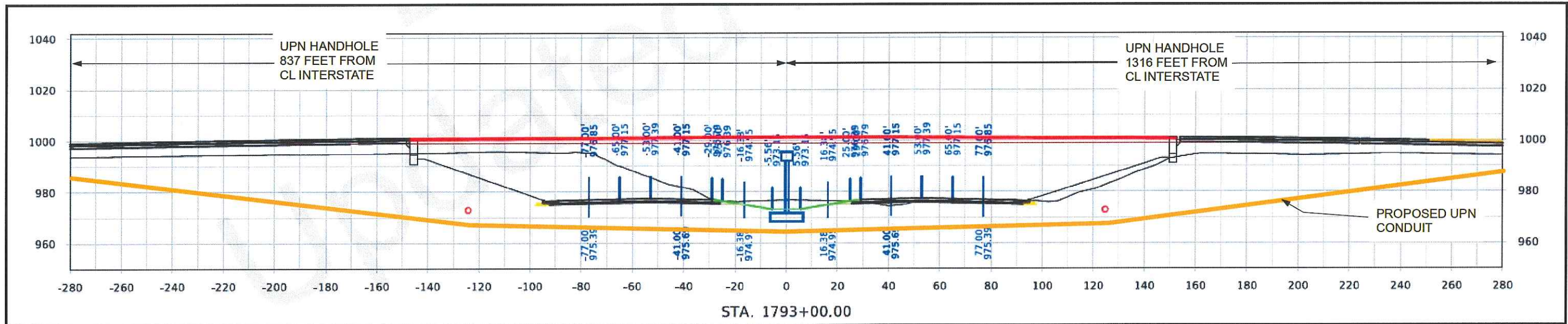


**I-35 RELOCATION  
CONSTRUCTION PLANS**

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UPN CROSSING  
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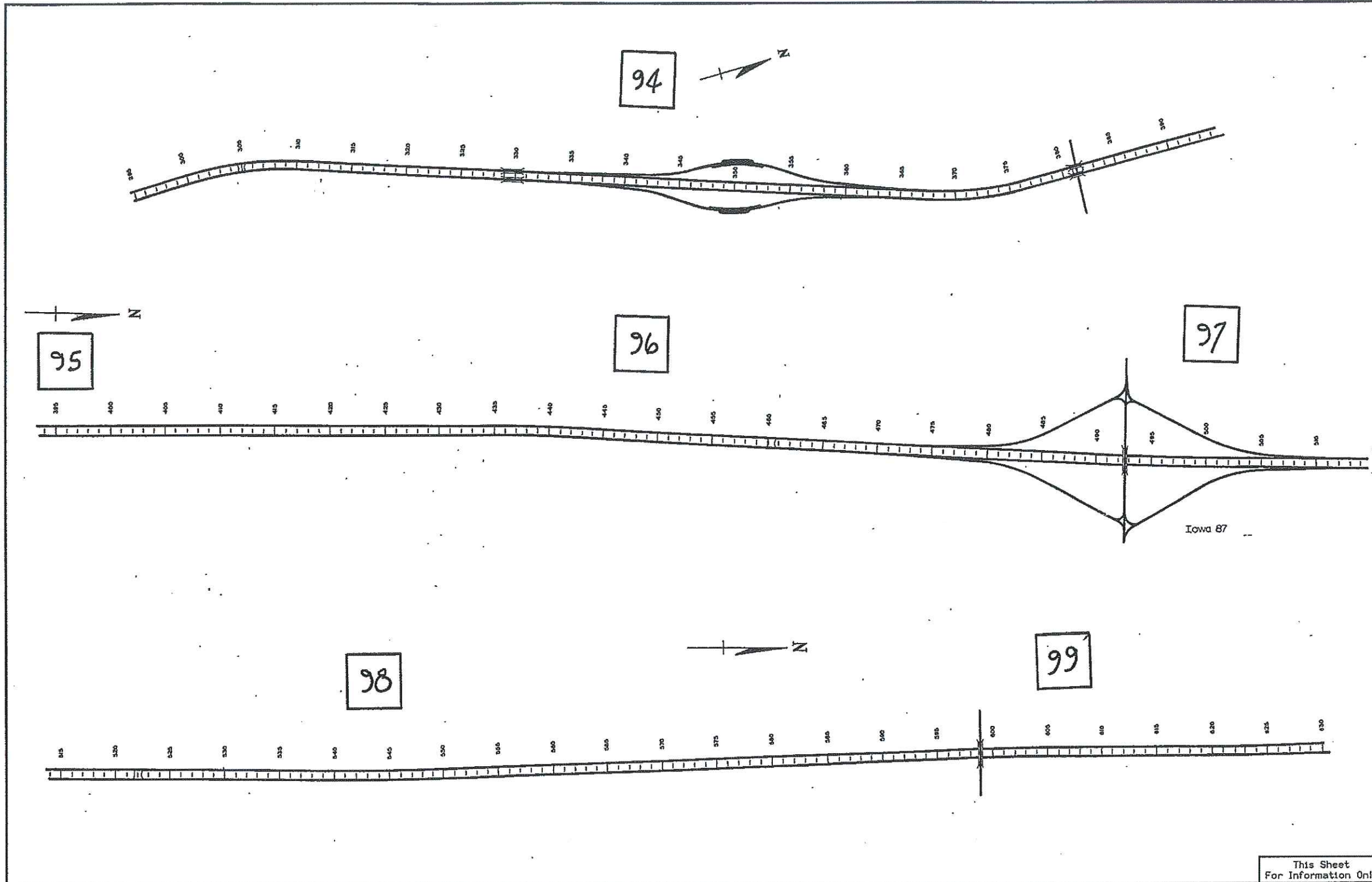
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I-35 RELOCATION  
CROSSING DETAIL

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