



Form 810025 (03-16)

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

FOR DEPARTMENT USE ONLY

Permit Number 77U-2019-176	Highway Number US 69	County Polk
DOT Project Number NHSX-69-4(68)-3H-77		Expiration/Completion Date 9-16-20

APPLICANT (INDIVIDUAL OR COMPANY)

First Name Simon	Middle Initial D	Last Name Schwindt	Phone Number 224-769-0327	Ext.
Company Name MidAmerican Energy Company			Phone Number	Ext.
Street Address 4170 NW Urbandale Dr		City/Town Urbandale	State IA	ZIP Code 50322
e-Mail Address sdschwindt@midamerican.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:

1 - 2" HDPE Conduit and 1 - 48 count fiber optic cable crossing NE 14th Street at NE 54th Avenue in Polk County, Iowa. Please see plans for details.

NewCom Permit # ADM-1873
NewCom Project - Delaware Sub to Delaware Ser Cent
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 11 and 12, Twp. T79N, Range R24W on Highway No. 69 generally located 0.60 (miles) North (direction) from I-35/80 Interchange (city, county line, or other landmark). Work proposed is more specifically located as being from 90.058 (Milepost #) and 379+97 (Highway Station) to 90.067 (Milepost #) and 380+57 (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(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 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: _____

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 Kelly	Agent/Owner (Signature) 	Title Sr OSP Design Spec/GIS Analyst
Name of Owner (Print or Type) MidAmerican Energy Company		Date 9-11-2019
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 	Title County Engineer	Date 9/14/2019
Type or Print Name Kurt D. Bailey	Authorized Official for the County of Polk	
e-Mail Address kurt.baileye@polkcountyjowa.gov		

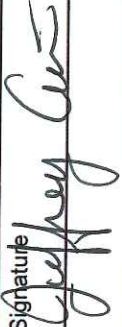
FEDERAL HIGHWAY ADMINISTRATION ACTION (WHEN REQUIRED)

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

Authorized Highway District Representative Jeffrey Cunningham	Signature 	Permit Number: 77U-2019-176
e-Mail Address jeffrey.cunningham@iowadot.us	Date 9-16-19	

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) Eric Lack	Phone Number 515-265-1614
Street Address 1530 NE 53rd Ave	City/Town Des Moines
e-Mail Address eric.lack@iowadot.us	State ZIP Code IA 50313

Permit Number: _____



District One
Des Moines Area Engineer's Office

September 16, 2019

Permit 77U-2019-176

MidAmerican Energy Company
Attn: Simon Schwindt
4170 NW Urbandale Dr
Urbandale, IA 50322

Enclosed is a copy of approved permit number 77U-2019-176, Application and Agreement for use of Highway Right of Way for Placing 1-2" HDPE conduit with a 48 count fiber optic cable at stations 379+97 to 380+57 on US 69.

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: Jeffrey McCollough, IDOT 800 Lincoln Way Ames IA, 50010
Eric Lack, IDOT 1530 NE 53rd Ave Des Moines IA 50313
Kurt Bailey, Polk County 5885 NW 14th 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.

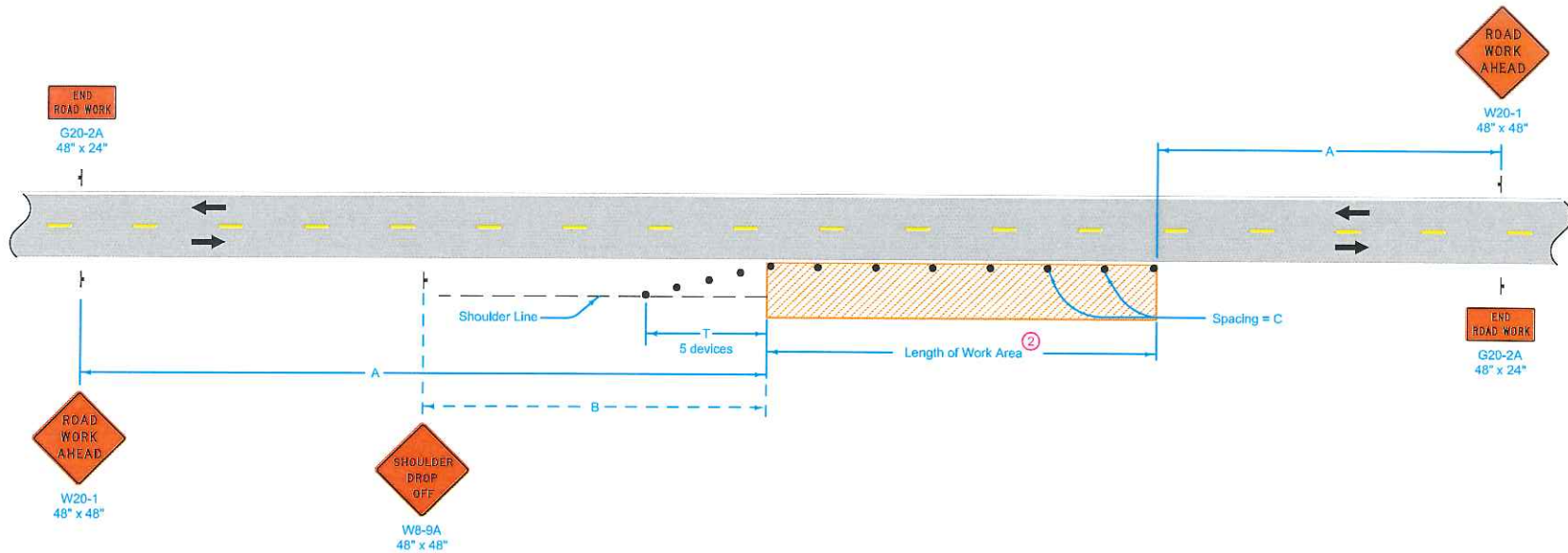
No hole shall remain open within the Right of Way during non-working hours.

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.L2 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 ^②	T
35 or less	500'	250'	40'	100'
40 - 45	700'	350'	80' ^①	200'
50 or greater	1000'	500'	100' ^①	200'

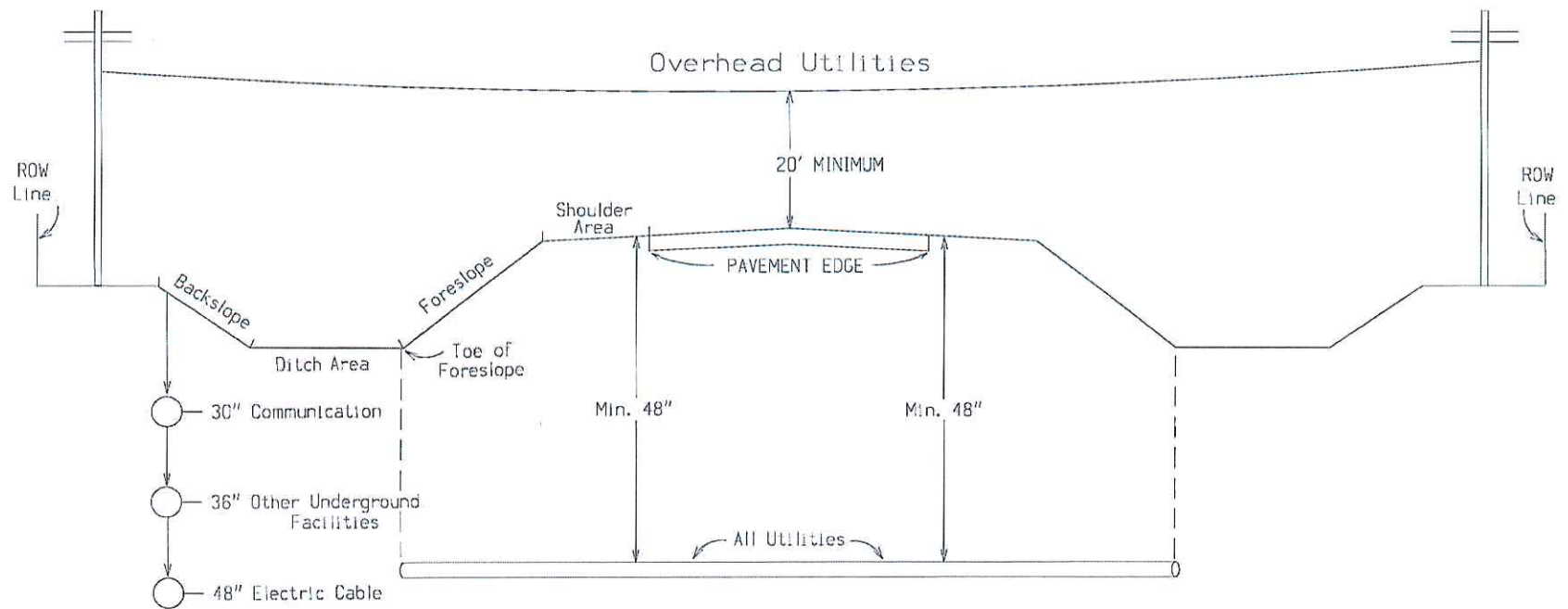
^① When the length of a pavement edge drop-off is 1000 feet or less, the temporary fillet requirement of Article 1107.08 of the Standard Specifications does not apply. Reduce channelizer spacing to 40 feet.

^② 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
	8 04-21-15
STANDARD ROAD PLAN	TC-202
SHEET 1 of 1	
<small>REVISIONS: Modified general notes, changed title and replaced the DOT logo in the title block with the new version.</small>	
<small>APPROVED BY DESIGN METHODS ENGINEER</small>	
WORK WITHIN 15 FT OF TRAVELED WAY	

Minimum Policy Requirements Rural Section Non-Freeway Highway

E-9



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).




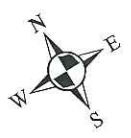
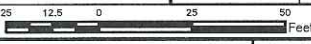
design speed	design ADT	FORESLOPES			BACKSLOPES		
		6:1 or flatter	Steeper than 6:1, up to and including 4:1	Steeper than 4:1	Steeper than 4:1*	4:1 or flatter, up to 6:1	6:1 or flatter
40 mph or less	ADT < 750	7	7	**	7	7	7
	750 ≤ ADT < 1500	10	12	**	10	10	10
	1500 ≤ ADT < 6000	12	14	**	12	12	12
	ADT ≥ 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.

DES MOINES POLK COUNTY DELAWARE SUB TO DELAWARE SERVICE CENTER

E
D
C
B
A

 3500 104TH STREET URBANDALE, IA 50322 (515) 281-2394		 6000 GRAND AVENUE DES MOINES, IA 50312 (515) 274-9611	Des Moines Polk County Delaware Sub to Delaware Ser Center	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 5%;">NO.</th> <th style="width: 10%;">DATE</th> <th style="width: 45%;">REVISIONS</th> <th style="width: 10%;">BY</th> <th style="width: 10%;">CHK</th> <th style="width: 15%;">APP'D</th> </tr> <tr> <td>A</td> <td>09-09-2019</td> <td>ISSUED FOR REVIEW</td> <td>SMK</td> <td>SMK</td> <td>SMK</td> </tr> </table>	NO.	DATE	REVISIONS	BY	CHK	APP'D	A	09-09-2019	ISSUED FOR REVIEW	SMK	SMK	SMK		DELAWARE SUB TO SER CENTER COVER PRINTED: 9/9/2019 SHEET NUMBER: CV-1 REV: A SCALE: 1" = 50' 
NO.	DATE	REVISIONS	BY	CHK	APP'D													
A	09-09-2019	ISSUED FOR REVIEW	SMK	SMK	SMK													
1	2	3	4	5	6	7	8											

GENERAL NOTES

1. WITHIN THESE PLANS AND SPECIFICATIONS, "OWNER" IMPLIES MIDAMERICAN ENERGY, UNLESS OTHERWISE NOTED. WITHIN THESE PLANS AND SPECIFICATIONS, "ENGINEER" IMPLIES NEWCOM TECHNOLOGIES AND/OR BDC GROUP, INC, 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 POLK, AND THE CITY(S) OF DES MOINES.
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. PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH THE MUTCD.

PERMIT TRACKING

TRACKING #	ENTITY	TYPE	PERMIT #	STATUS
ADM-1871	CITY OF DES MOINES	RIGHT OF WAY PERMIT		
ADM - 1872	POLK COUNTY	RIGHT OF WAY PERMIT		
ADM - 1873	IOWA DOT - DISTRICT 1	RIGHT OF WAY PERMIT		
ADM - 1874	IOWA DOT - DISTRICT 1	RIGHT OF WAY PERMIT		
ADM - 1875	IOWA DOT - DISTRICT 1	RIGHT OF WAY PERMIT		
ADM - 1876	IOWA DOT - DISTRICT 1	RIGHT OF WAY PERMIT		
ADM - 1877	UNION PACIFIC RAILROAD	RIGHT OF WAY PERMIT		
ADM - 1878	UNION PACIFIC RAILROAD	RIGHT OF WAY PERMIT		
ADM - 1879	UNION PACIFIC RAIL ROAD	RIGHT OF WAY PERMIT		
ADM - 1880	UNION PACIFIC RAILROAD			

PROJECT INFORMATION

SITE NAME: DELAWARE SUB TO DELAWARE SER CENTER
SITE ADDRESS: VARIES
COUNTY: POLK
LATITUDE: VARIES
LONGITUDE: VARIES

PROJECT DESCRIPTION:
 1. INSTALLATION OF ONE (1) - 2" HDPE CONDUIT
 3. INSTALLATION OF SINGLE 48 COUNT FIBER OPTIC CABLE IN NEW CONDUIT

CONTACTS

CITY OF DES MOINES: 400 ROBERT D RAY DRIVE
DES MOINES, IA 50309
CONTACT: ROSE OLSON
OFFICE: (515) 283-4231
EMAIL: RLOlson@dmgov.org

POLK COUNTY: 5885 NE 14TH STREET
DES MOINES, IA 50313
CONTACT: KURT BAILEY
OFFICE: (515) 288-3705
EMAIL: publicworks@polkcountyiowa.gov

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

UNION PACIFIC RAIL ROAD: 1400 DOUGLAS STREET
MS 1690
OMAHA, NE 68179-1690
CONTACT: NORMA J. REYNOLDS
OFFICE: (402) 544-8471
EMAIL: njreynolds@up.com

ADB COMPANIES: 18777 US HIGHWAY 66
PACIFIC, MO 63069
CONTACT: JASON LYND
OFFICE: (314) 426-5200
EMAIL: JLynd@ADB-US.com

MIDAMERICAN ENERGY: 10510 DOUGLAS AVENUE
URBANDALE, IA 50322
CONTACT: BLAIR BECK
OFFICE: (515) 242-4375
CELL: (515) 321-3982
EMAIL: BNBeck@midamerican.com

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



CALL BEFORE YOU DIG
 (811)
 72 HOURS NOTICE REQUIRED
 The utilities displayed on this drawing are in approximate locations. MidAmerican Energy disclaims any responsibility for the accuracy of this information. All utilities must be verified with the proper authorities prior to any excavation.

MATERIAL TAKE OFF

ITEM	AMOUNT
48 COUNT FIBER OPTIC CABLE	35,405 L.F.
IN EXISTING CONDUIT - OTHER	0 L.F.
IN EXISTING CONDUIT - MIDAMERICAN ENERGY	0 L.F.
IN NEW CONDUIT	35,405 L.F.
ON AERIAL POLES	0 L.F.
96 COUNT FIBER OPTIC CABLE	1171 L.F.
IN EXISTING CONDUIT - OTHER	0 L.F.
IN EXISTING CONDUIT -MIDAMERICAN ENERGY	1171 L.F.
IN NEW CONDUIT	0 L.F.
ON AERIAL POLES	0 L.F.
1-1/4" HDPE CONDUIT	0 L.F.
2" HDPE CONDUIT	35,405 L.F.
36" X 24" X 36" HANDHOLE	0
30" X 48" X 24" TIER 22 HANDHOLE	6
24" X 36" X 24" TIER 15 HANDHOLE	20
30" X 48" X 24" TIER 15 HANDHOLE	0
SPLICE CASE AND 8' GROUND ROD	7
MARKER POST WITH TEST STATION	7
MARKER POST WITHOUT TEST STATION	44
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
OTHER	0
RUNNING LINE	
SUPPORT STRUCTURE	AMOUNT
1-1/4" HDPE CONDUIT - BORE - 1 CONDUIT	0 L.F.
1-1/4" HDPE CONDUIT - PLOW/OPEN CUT - 1 CONDUITS	0 L.F.
2" HDPE CONDUIT - BORE - 1 CONDUIT	35,405 L.F.
2" HDPE CONDUIT - PLOW/OPEN CUT - 1 CONDUITS	0 L.F.
EXISTING CONDUIT - MIDAMERICAN ENERGY	0 L.F.
EXISTING CONDUIT - OTHER	0 L.F.
AERIAL PLANT	0 L.F.

SHEET INDEX

SHEET	SHEET DESCRIPTION
OVERVIEW	DELAWARE SUB TO SER CENTER - OVERVIEW - 6 PAGES
MAP	DELAWARE SUB TO SER CENTER - FIBER ROUTE - 43 PAGES
XXX	XXX
XXX	XXX
XXX	XXX
XXX	XXX

DES MOINES/POLK COUNTY DELAWARE SUB TO DELAWARE SER CENTER

NO.	DATE	REVISIONS	BY	CHK	APP'D
A	09-6-2019	ISSUED FOR REVIEW			

SCALE: DESIGNED BY: DRAWN BY:

DELAWARE SUB TO SER CENTER		
GENERAL NOTES		
PRINTED	SHEET NUMBER	REV
09/6/19	GN-1	A

ORIENTATION: SCALE:

MidAmerican ENERGY
 MIDAMERICAN ENERGY CORP
 3500 104TH ST
 URBANDALE, IA 50322
 1-515-281-2394

ADB COMPANIES

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

1

2

3

4

5

6

7

8

SYMBOLOLOGY

Conduit and Strand

- Bore
- Bridge Attachment
- Direct Bury
- Lash
- Microtrench
- Open Cut
- Overlash
- Plow
- Self-Support
- Trench

Structures

- Handhole
- Manhole
- Pedestal

Fiber Cable and Structures

- Aerial Slack Loop
- Underground Slack Loop
- Splice
- Fiber Cable

Existing Utility Infrastructure

- Demarcation
- Handhole
- Hydrant
- Manhole
- Mast Arm
- Pole
- Storm Intake
- Street/Traffic Light
- Traffic Cabinet
- Pedestal
- Traffic Manhole
- Valve
- Culverts

Notes and Comments

- Dimension Line
- Running Line Stationing
- ROW Line
- Station Marker

Existing Utility Lines

- Sanitary Sewer
- Cable TV
- Fiber
- Storm Sewer
- Water
- Telecom
- Gas
- Electric

Building

- Data
- Other

Marker Post

- Marker Post w/o Test Station
- Marker Post w/ Test Station

MidAmerican ENERGY
3500 104TH STREET
URBANDALE, IA 50322
(515) 281-2394

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Des Moines
Polk County
Delaware Sub to
Delaware Service Center

NO.	DATE	REVISIONS	BY	CHK	APP'D
A	09-09-2019	ISSUED FOR REVIEW	SMK	SMK	SMK

SCALE: 1" = 50'



DELAWARE SUB TO SER CENTER		
SYMBOLOLOGY		
PRINTED	SHEET NUMBER	REV
9/9/2019	SY-1	A

1 in = 50 ft

1

2

3

4

5

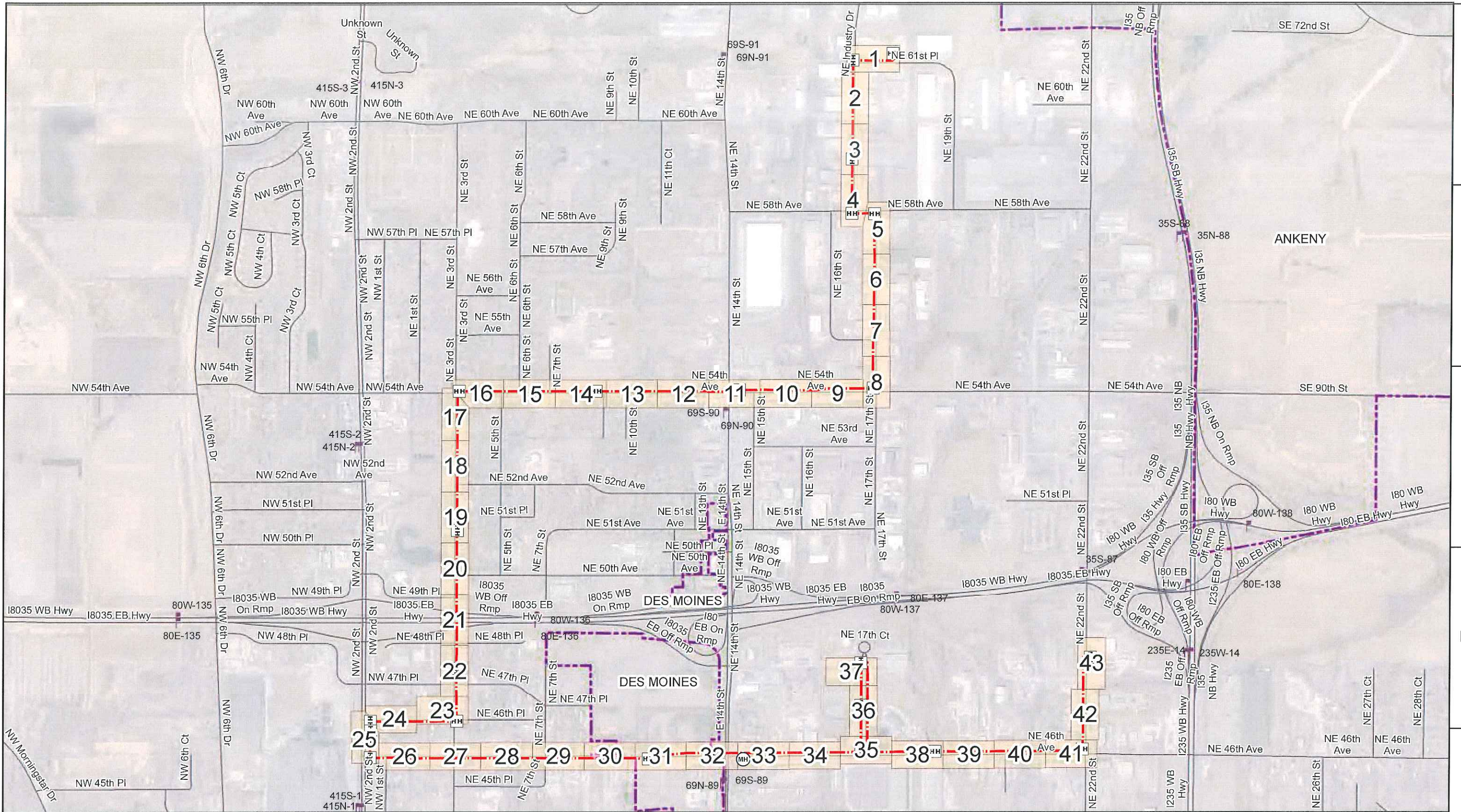
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7

8

11 X 17 "ANSI B" SIZE

E
D
C
B
A

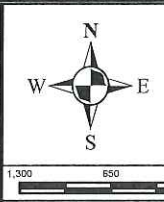


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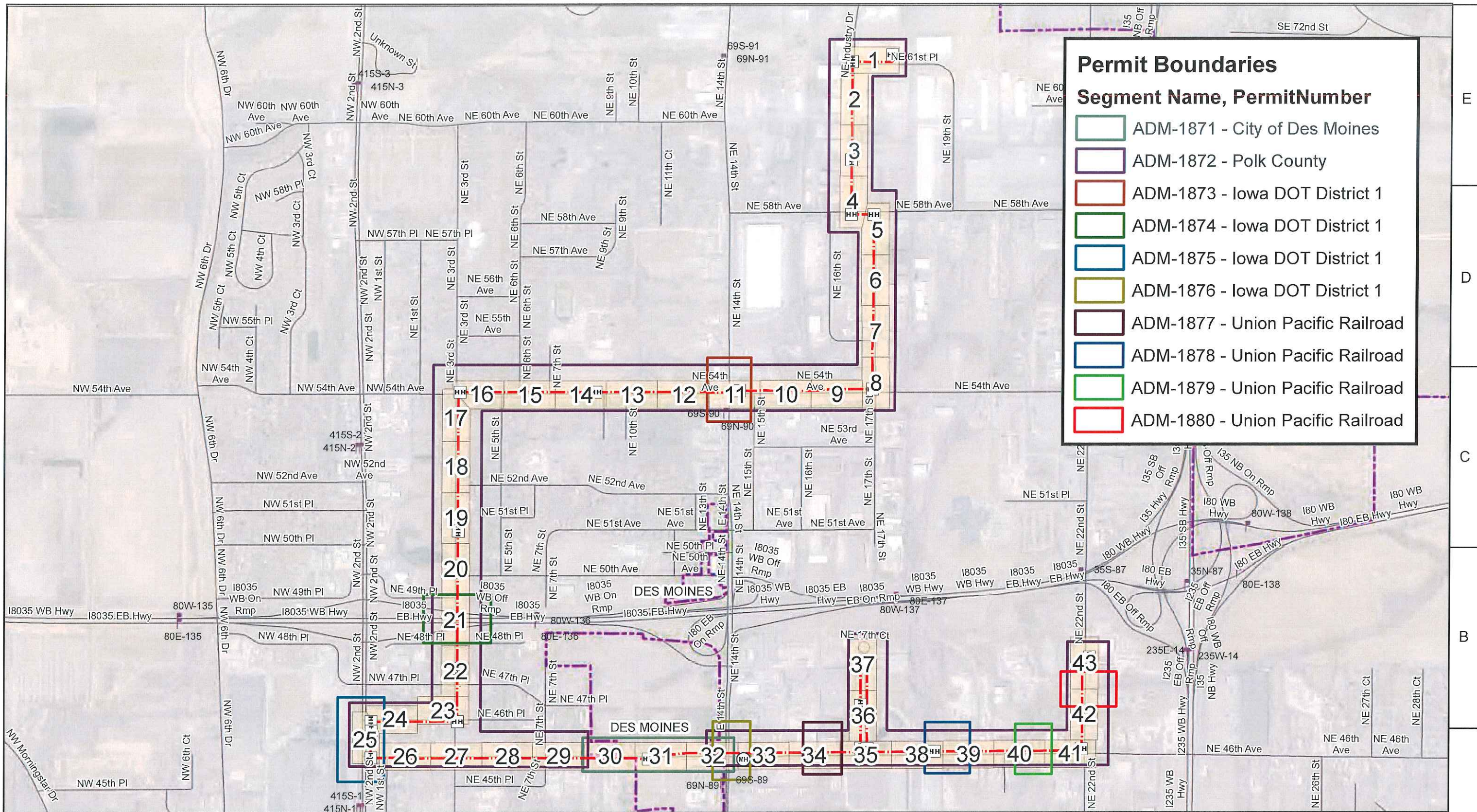
Unite
PRIVATE NETWORKS
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KANSAS CITY, MO 64153
(866) 813-3608

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Polk County
Delaware Sub to
Delaware Ser Center**

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SCALE: 1" = 1,324'		DESIGNED BY: S. KELLY	DRAWN BY: V. MEZENTSEVA		



DELAWARE SUB TO SER CENT		
OVERVIEW		
PRINTED	SHEET NUMBER	REV
9/11/2019	OV-1	A



Permit Boundaries

Segment Name, PermitNumber

- ADM-1871 - City of Des Moines
- ADM-1872 - Polk County
- ADM-1873 - Iowa DOT District 1
- ADM-1874 - Iowa DOT District 1
- ADM-1875 - Iowa DOT District 1
- ADM-1876 - Iowa DOT District 1
- ADM-1877 - Union Pacific Railroad
- ADM-1878 - Union Pacific Railroad
- ADM-1879 - Union Pacific Railroad
- ADM-1880 - Union Pacific Railroad

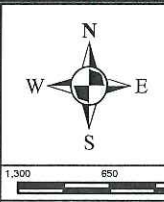
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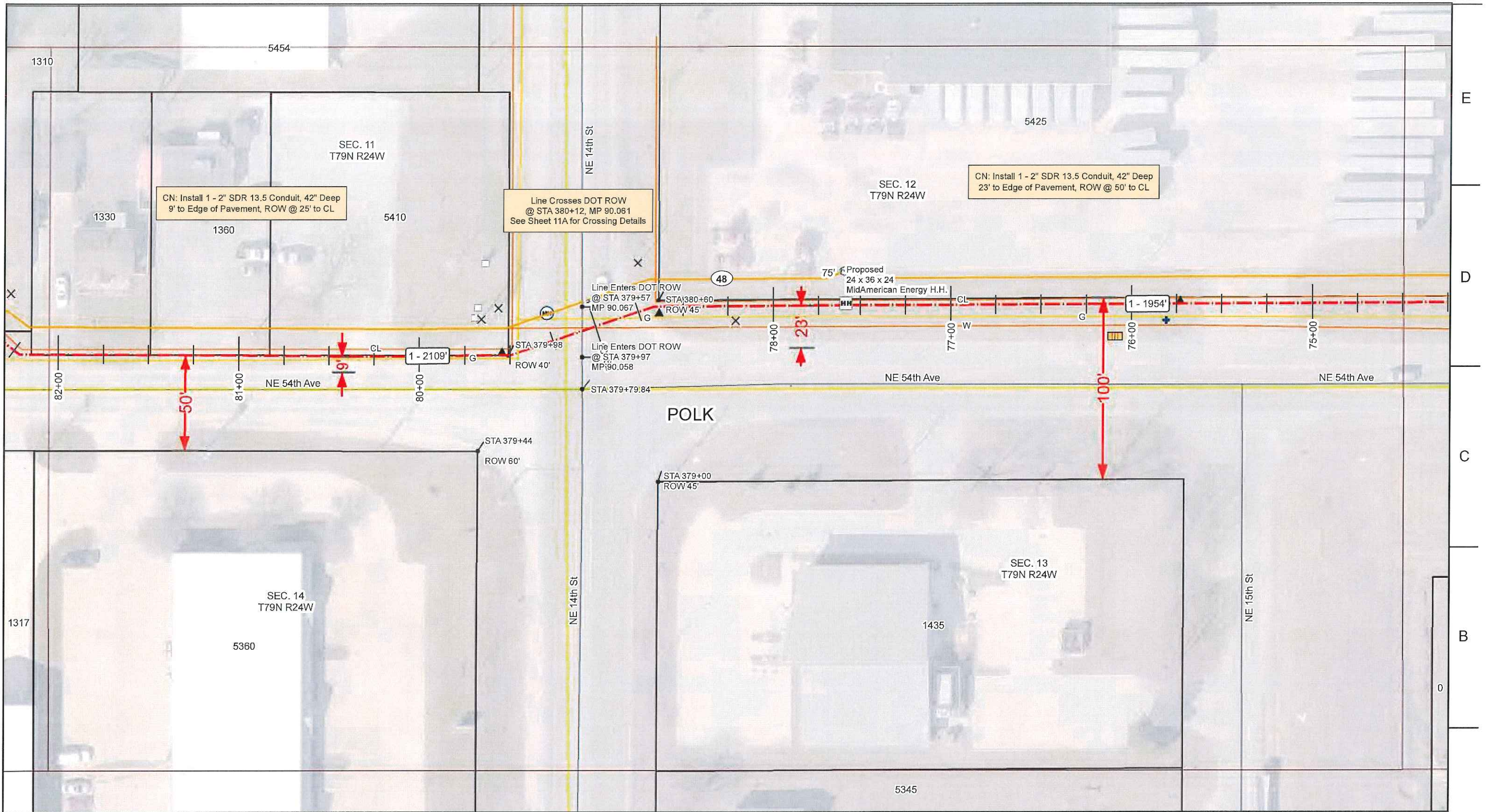
DES MOINES
DES MOINES

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Polk County
Delaware Sub to
Delaware Ser Center

NO.	DATE	REVISIONS	BY	CHK	APPD
A	9-6-2019	ISSUED FOR REVIEW	SMK	SMK	SMK
SCALE: 1" = 1,324'		DESIGNED BY: S. KELLY	DRAWN BY: V. MEZENTSEVA		

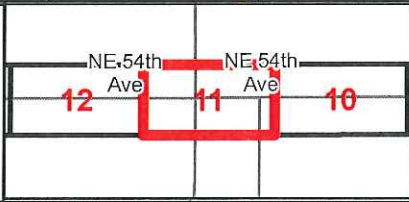


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PERMIT BOUNDARY		
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9/10/2019	PB - 1	A



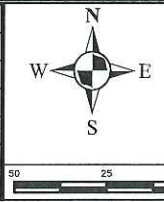
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Polk County
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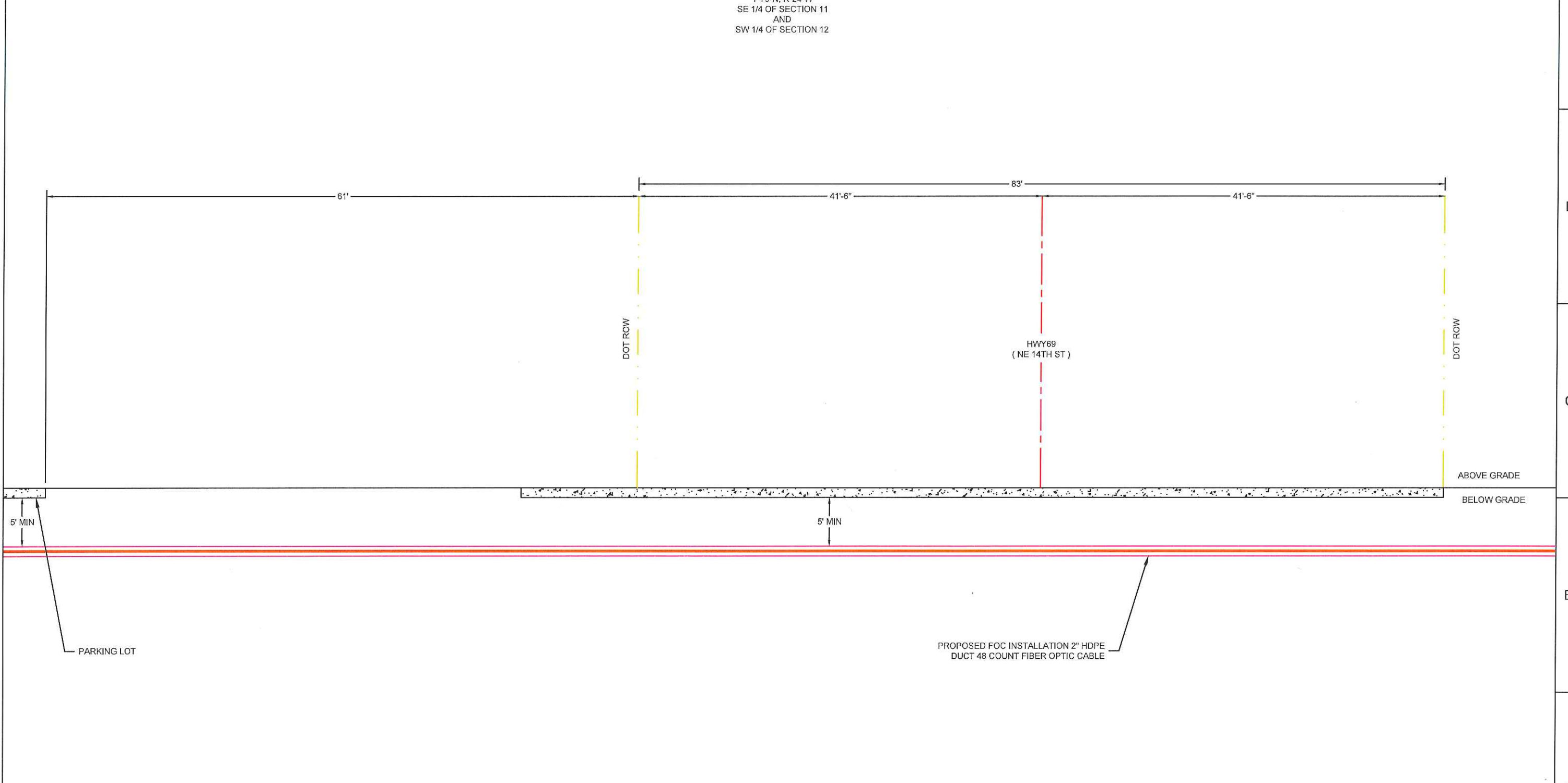
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SCALE: 1" = 50'		DESIGNED BY: S. KELLY	DRAWN BY: V. MEZENTSEVA		



DELAWARE SUB TO SER CENT		
CONSTRUCTION PLANS		
PRINTED	SHEET NUMBER	REV
9/11/2019	Sheet 11 of 43	A

CROSSING OF
HIGHWAY 69 (NE 14TH ST)
AND NE 54TH AVE
POLK COUNTY IOWA
FACING NORTH

LINE CROSSES DOT
RIGHT OF WAY AT
MP 90.061
STA 380+12
POLK COUNTY
T-79-N, R-24-W
SE 1/4 OF SECTION 11
AND
SW 1/4 OF SECTION 12



MidAmerican ENERGY
MIDAMERICAN ENERGY CORP
3500 104TH ST
URBANDALE, IA 50322
1-515-281-2394

BDC GROUP INC
1936 51ST STREET NE
CEDAR RAPIDS, IOWA 52402
(319) 389-3282

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(515) 274-9611

DES MOINES POLK
DELAWARE SUB TO SER CENT

NO.	DATE	REVISIONS	BY	CHK	APP'D
1	8/28/2019	PERMIT DETAIL	P. I	DSH	SMK

SCALE: 1" TO 10'
DESIGNED BY: NEWCOM DRAWN BY: P. ISACC

DELAWARE SUB TO SER CENT
HWY 69 AND NE 54TH AVE CROSSING

PRINTED	SHEET NUMBER	REV
8/28/2019		A

ORIENTATION:
SCALE: 1" TO 10'
10 7.5 5 2.5 0 5 10 20

