

**FOR DEPARTMENT USE ONLY**

Permit Number	Highway Number	County
DOT Project Number		Expiration/Completion Date

**APPLICANT (INDIVIDUAL OR COMPANY)**

First Name Kyle	Middle Initial	Last Name Pals	Phone Number 515-242-3997	Ext.
Company Name MidAmerican Energy Gas Distribution			Phone Number	Ext.
Street Address 4124 NW Urbandale Dr		City/Town Urbandale	State IA	ZIP Code 50322
e-Mail Address kyle.pals@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:  
 MEC plans to install 4-inch plastic 10psig gas main to relocate existing gas main in conflict with the NE Broadway Ave Reconstruction Stage 1 Area D.  
 MEC will be trenching or boring the 4-inch plastic 10psig gas main parallel U.S. Highway 6 on the west side of the highway.  
 Traffic Control Standard: TC-419 (Lane Closure on Undivided Highway)

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 15SW , Twp. 79N ,  
 Range 23W on Highway No. 6 generally located 0.32 (miles) south  
 (direction) from HWY 65 (city, county line, or other landmark). Work proposed is more  
 specifically located as being from 142.22 (Milepost #) and 20280+00 (Highway Station)  
 to 142.24 (Milepost #) and 20281+0 (Highway Station) on the west 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](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: \_\_\_\_\_

**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) Kyle Pals	Agent/Owner (Signature) <i>Kyle Pals</i>	Title Gas Engineer
Name of Owner (Print or Type) MidAmerican Energy		Date 02/16/2023
e-Mail Address kyle.pals@midamerican.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 <i>Ryan Sherzan</i>	Title Sr Engineering Technician	Date 02/16/2023
Type or Print Name Ryan Sherzan	Authorized Official for the City of Des Moines	
e-Mail Address RNSHERZAN@DMGOV.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:

Authorized Highway District Representative	Signature	Date
e-Mail Address		

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)	Phone Number		
Street Address	City/Town	State IA	ZIP Code
e-Mail Address			

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

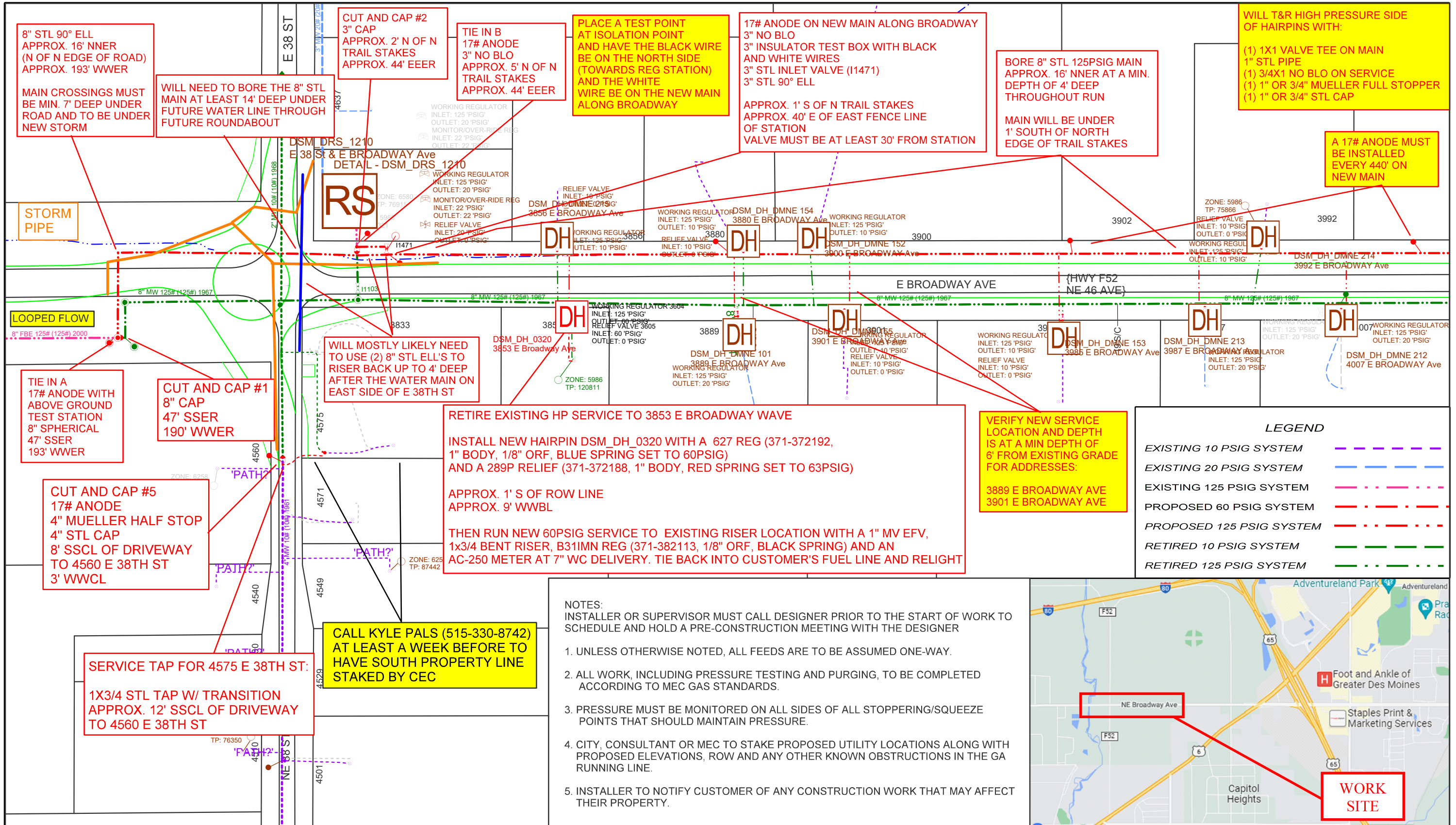
### Site Plan & Attachments Checklist for IDOT Utilities Accommodation Permit

- 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](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**

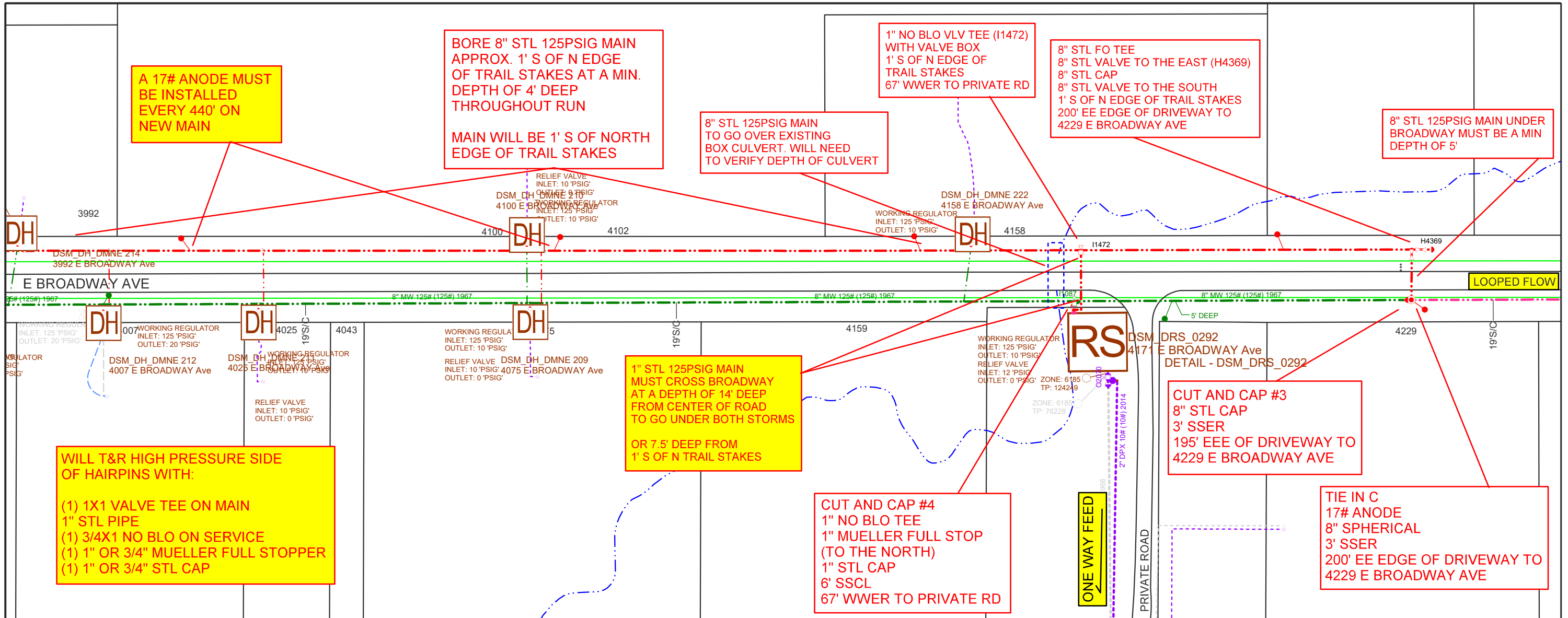


Cust: E BROADWAY AVE RECON -- STAGE 1 AREA D (WEST)  
Addr: E 38TH ST TO 4229 E BROADWAY AVE  
City: POLK COUNTY AND DES MOINES X = 1628624 Y = 598898

WMS\_REV:2883909-1  
Date: 01/13/2023  
Scale: NTS  
Designer: PALS, KYLE B

DISCLAIMER OF LIABILITY  
NOTE: This drawing reflects facilities in place at the time of its preparation and is subject to change at any time. For current facility information, please contact MidAmerican Energy Company. Further, MidAmerican Energy Company disclaims all liability and responsibility for all claims and damages including but not limited to, personal injury, death and property damage, resulting from any authorized or unauthorized use of, or reliance upon, this drawing for any purpose.

Job Desc: Install approx. 3275' of 8" STL 125psig main, and (1) new hairpin while T&R'ing (2) reg stations and (13) harpins for Stage 1 Area D (West) of the E Broadwave Ave Reconstruction



A 17# ANODE MUST BE INSTALLED EVERY 440' ON NEW MAIN

BORE 8" STL 125PSIG MAIN APPROX. 1' S OF N EDGE OF TRAIL STAKES AT A MIN. DEPTH OF 4' DEEP THROUGHOUT RUN  
 MAIN WILL BE 1' S OF NORTH EDGE OF TRAIL STAKES

8" STL 125PSIG MAIN TO GO OVER EXISTING BOX CULVERT. WILL NEED TO VERIFY DEPTH OF CULVERT

1" NO BLO VLV TEE (I1472) WITH VALVE BOX 1' S OF N EDGE OF TRAIL STAKES 67' WWER TO PRIVATE RD

8" STL FO TEE 8" STL VALVE TO THE EAST (H4369) 8" STL CAP 8" STL VALVE TO THE SOUTH 1' S OF N EDGE OF TRAIL STAKES 200' EE EDGE OF DRIVEWAY TO 4229 E BROADWAY AVE

8" STL 125PSIG MAIN UNDER BROADWAY MUST BE A MIN DEPTH OF 5'

WILL T&R HIGH PRESSURE SIDE OF HAIRPINS WITH:  
 (1) 1X1 VALVE TEE ON MAIN  
 1" STL PIPE  
 (1) 3/4" NO BLO ON SERVICE  
 (1) 1" OR 3/4" MUELLER FULL STOPPER  
 (1) 1" OR 3/4" STL CAP

1" STL 125PSIG MAIN MUST CROSS BROADWAY AT A DEPTH OF 14' DEEP FROM CENTER OF ROAD TO GO UNDER BOTH STORMS OR 7.5' DEEP FROM 1' S OF N TRAIL STAKES

CUT AND CAP #4  
 1" NO BLO TEE  
 1" MUELLER FULL STOP (TO THE NORTH)  
 1" STL CAP  
 6" SSCL  
 67' WWER TO PRIVATE RD

CUT AND CAP #3  
 8" STL CAP  
 3' SSER  
 195' EEE OF DRIVEWAY TO 4229 E BROADWAY AVE

TIE IN C  
 17# ANODE  
 8" SPHERICAL  
 3' SSER  
 200' EE EDGE OF DRIVEWAY TO 4229 E BROADWAY AVE

- NOTES:  
 INSTALLER OR SUPERVISOR MUST CALL DESIGNER PRIOR TO THE START OF WORK TO SCHEDULE AND HOLD A PRE-CONSTRUCTION MEETING WITH THE DESIGNER
- UNLESS OTHERWISE NOTED, ALL FEEDS ARE TO BE ASSUMED ONE-WAY.
  - ALL WORK, INCLUDING PRESSURE TESTING AND PURGING, TO BE COMPLETED ACCORDING TO MEC GAS STANDARDS.
  - PRESSURE MUST BE MONITORED ON ALL SIDES OF ALL STOPPERING/SQUEEZE POINTS THAT SHOULD MAINTAIN PRESSURE.
  - CITY, CONSULTANT OR MEC TO STAKE PROPOSED UTILITY LOCATIONS ALONG WITH PROPOSED ELEVATIONS, ROW AND ANY OTHER KNOWN OBSTRUCTIONS IN THE GA RUNNING LINE.
  - INSTALLER TO NOTIFY CUSTOMER OF ANY CONSTRUCTION WORK THAT MAY AFFECT THEIR PROPERTY.

**LEGEND**

EXISTING 10 PSIG SYSTEM	--- (dashed purple)
EXISTING 20 PSIG SYSTEM	--- (dashed blue)
EXISTING 125 PSIG SYSTEM	--- (dashed pink)
PROPOSED 60 PSIG SYSTEM	--- (dashed red)
PROPOSED 125 PSIG SYSTEM	--- (dashed red)
RETIRED 10 PSIG SYSTEM	--- (dashed green)
RETIRED 125 PSIG SYSTEM	--- (dashed green)



Cust: E BROADWAY AVE RECON -- STAGE 1 AREA D (WEST)  
 Addr: E 38TH ST TO 4229 E BROADWAY AVE  
 City: POLK COUNTY AND DES MOINES X = 1628624 Y = 598898



WMS\_REV:2883909-1  
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Job Desc: Install approx. 3275' of 8" STL 125psig main, and (1) new hairpin while T&R'ing (2) reg stations and (13) harpins for Stage 1 Area D (West) of the E Broadwave Ave Reconstruction

**125PSIG  
MAIN DESIGN  
MAP 1 OF 2**

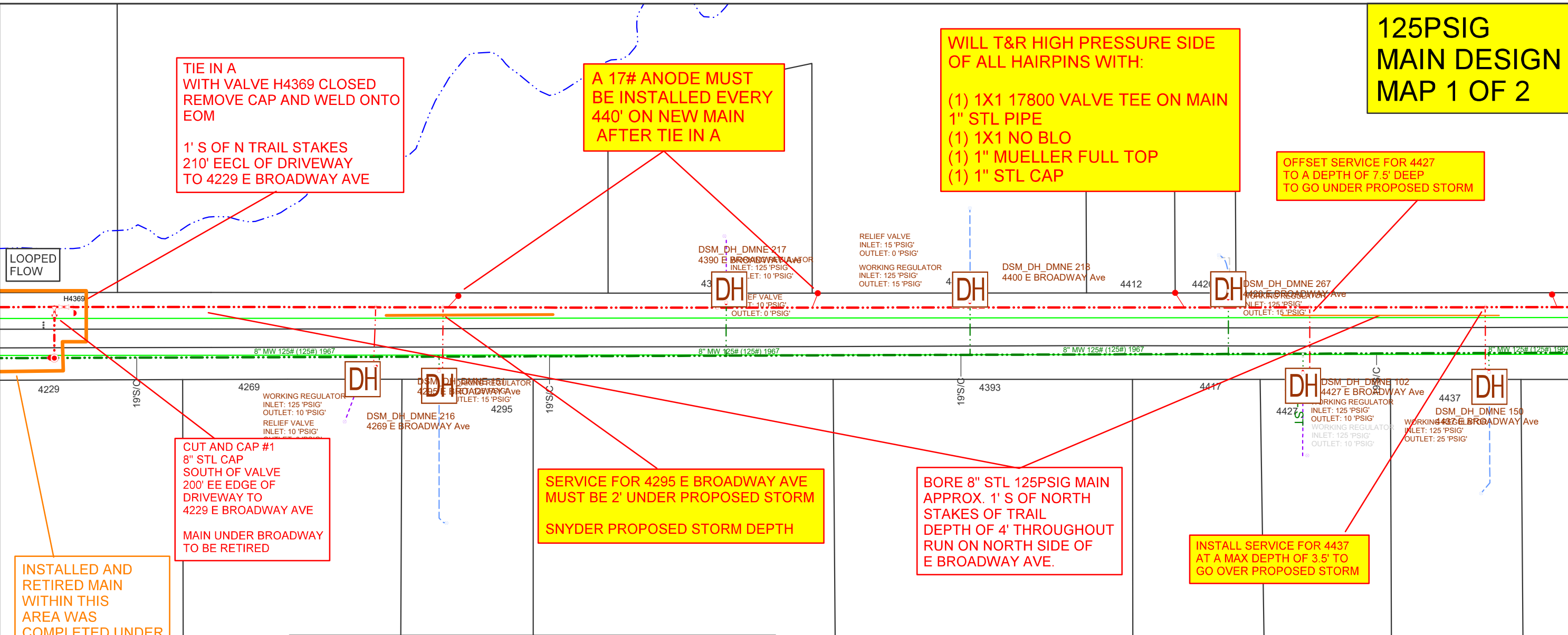
**WILL T&R HIGH PRESSURE SIDE  
OF ALL HAIRPINS WITH:**  
 (1) 1X1 17800 VALVE TEE ON MAIN  
 (1) 1X1 NO BLO  
 (1) 1" MUELLER FULL TOP  
 (1) 1" STL CAP

**A 17# ANODE MUST  
BE INSTALLED EVERY  
440' ON NEW MAIN  
AFTER TIE IN A**

**TIE IN A  
WITH VALVE H4369 CLOSED  
REMOVE CAP AND WELD ONTO  
EOM**  
 1' S OF N TRAIL STAKES  
 210' EECL OF DRIVEWAY  
 TO 4229 E BROADWAY AVE

**OFFSET SERVICE FOR 4427  
TO A DEPTH OF 7.5' DEEP  
TO GO UNDER PROPOSED STORM**

LOOPED  
FLOW



**CUT AND CAP #1  
8" STL CAP  
SOUTH OF VALVE  
200' EE EDGE OF  
DRIVEWAY TO  
4229 E BROADWAY AVE**  
 MAIN UNDER BROADWAY  
 TO BE RETIRED

**SERVICE FOR 4295 E BROADWAY AVE  
MUST BE 2' UNDER PROPOSED STORM  
SNYDER PROPOSED STORM DEPTH**

**BORE 8" STL 125PSIG MAIN  
APPROX. 1' S OF NORTH  
STAKES OF TRAIL  
DEPTH OF 4' THROUGHOUT  
RUN ON NORTH SIDE OF  
E BROADWAY AVE.**

**INSTALL SERVICE FOR 4437  
AT A MAX DEPTH OF 3.5' TO  
GO OVER PROPOSED STORM**

**INSTALLED AND  
RETIRED MAIN  
WITHIN THIS  
AREA WAS  
COMPLETED UNDER  
WR 2883909**

- NOTES:**  
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- UNLESS OTHERWISE NOTED, ALL FEEDS ARE TO BE ASSUMED ONE-WAY.
  - ALL WORK, INCLUDING PRESSURE TESTING AND PURGING, TO BE COMPLETED ACCORDING TO MEC GAS STANDARDS.
  - PRESSURE MUST BE MONITORED ON ALL SIDES OF ALL STOPPERING/SQUEEZE POINTS THAT SHOULD MAINTAIN PRESSURE.
  - DEVELOPER TO STAKE ALL UTILITY EASEMENTS, ROW AND ANY OTHER KNOWN OBSTRUCTIONS IN THE GAS RUNNING LINE.
  - INSTALLER TO NOTIFY CUSTOMER OF ANY CONSTRUCTION WORK THAT MAY AFFECT THEIR PROPERTY.

**LEGEND**

EXISTING 10 PSIG SYSTEM	--- (dashed purple)
EXISTING 15/20/25 PSIG SYSTEM	--- (dashed blue)
EXISTING 125 PSIG SYSTEM	--- (dashed pink)
PROPOSED 10 PSIG SYSTEM	--- (dashed red)
PROPOSED 125 PSIG SYSTEM	--- (dashed red)
RETIRED 10 PSIG SYSTEM	--- (dashed green)
RETIRED 125 PSIG SYSTEM	--- (dashed green)



Cust: IDOT - POLK COUNTY BROADWAY STAGE 1 AREA D EAST  
 Addr: 4229 E BROADWAY AVE TO HUBBELL AVE ALONG E BROADWAY AVE  
 City: DES MOINES



WMS\_REV:2976016-1  
 Date: 01/13/2023  
 Scale: NTS  
 Designer: PALS, KYLE B

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Job Desc: Install approx. 3700' of 8" STL 125psig main, 1800' of 4" PLS, and 215' of 2" PLS 10psig main in conflict. Also T&R (7) HP services before the hairpin, T&R (3) 1" PLS 10psig service, and (4) new 1" PLS 10psig services due to conflict with Stage 1 Area D of the NE Broadway Recon

# 125PSIG MAIN DESIGN MAP 2 OF 2

WILL T&R HIGH PRESSURE SIDE OF ALL HAIRPINS WITH:  
 (1) 1X1 17800 VALVE TEE ON MAIN  
 1" STL PIPE  
 (1) 1X1 NO BLO  
 (1) 1" MUELLER FULL TOP  
 (1) 1" STL CAP

BORE 8" STL 125PSIG MAIN APPROX. 1' S OF N TRAIL STAKES AT A DEPTH OF 4' THROUGHOUT RUN ON NORTH SIDE OF E BROADWAY AVE.  
 WILL BE UNDER NORTH EDGE OF SIDEWALK/TRAIL

MARKET POST 8" STL 90° ELL 1' S OF N TRAIL STAKES 80' EEE OF DRIVEWAY TO 4523 E BROADWAY AVE

BORE ACROSS E BROADWAY AT A DEPTH OF 2.5'-5' THEN BEGIN TO ANGLE UP AFTER SOUTH SIDE DITCH TO GO OVER EXISTING WATER AND STORM  
 WILL BE APPROX. 6' DEEP AT 8" 90° ELL

8" STL 90° ELL 8" INSULATOR TEST BOX WITH BLACK WIRE ON THE EAST MAIN AND WHITE WIRE ON THE WEST MAIN 8" STL VALVE (H4370) WITH VALVE BOX 1' NNPL OF 4585 E BROADWAY AVE 110' WWER OF NE 46TH ST

BORE UNDER NE 46TH ST AT A DEPTH OF 13' DEEP TO GO UNDER PROPOSED WATER NEAR EAST CRUB  
 DUE TO CROSSING DEPTH, AN OFFSET TO GET DEEPER AFTER VALVE MAY BE REQUIRED

WATER QUALITY BASIN WILL BE JUST WEST OF TIE IN B

102 AY Ave 4437  
 DSM\_DH\_DIME 150  
 WORKING INLET: 125 PSIG  
 OUTLET: 25 PSIG

A 17# ANODE MUST BE INSTALLED EVERY 440' ON NEW MAIN AFTER TIE IN A

MARKET POST 8" STL 90° ELL 2' NNPL OF 4523 E BROADWAY AVE 80' EEE OF DRIVEWAY TO E BROADWAY AVE

8" STL FO TEE 2' NNPL OF 4523 E BROADWAY AVE 110' WWER OF NE 46TH ST

USING (2) 8" STL 45° ELL AND (2) MARKER POSTS, STAY APPROX. 2' OFF ROW LINE

INSTALL 8" STL 125PSIG MAIN APPROX. 1' N OF ROW LINE APPROX. 4' DEEP

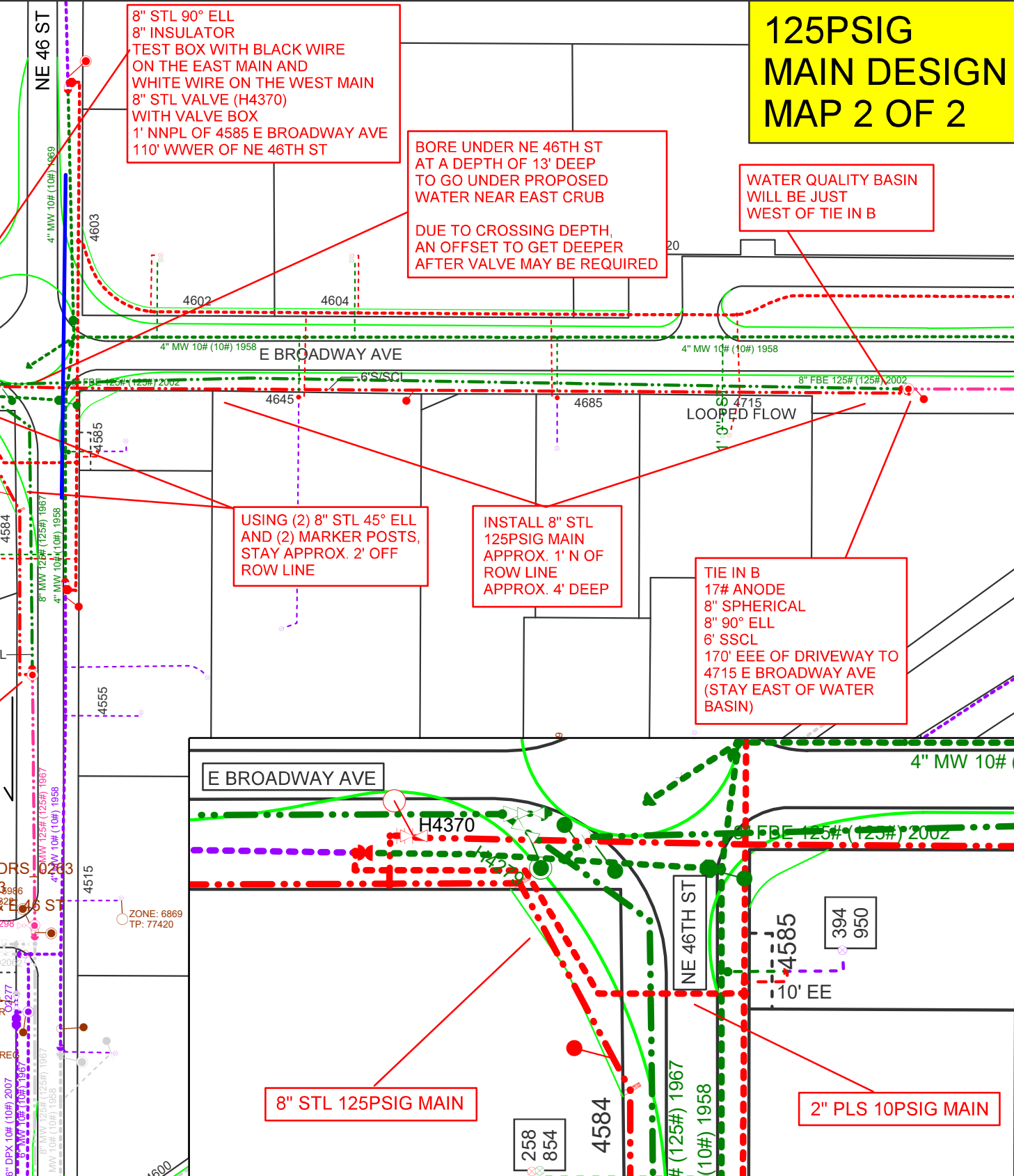
TIE IN B 17# ANODE 8" SPHERICAL 8" 90° ELL 6' SSCL 170' EEE OF DRIVEWAY TO 4715 E BROADWAY AVE (STAY EAST OF WATER BASIN)

- NOTES:
- INSTALLER OR SUPERVISOR MUST CALL DESIGNER PRIOR TO THE START OF WORK TO SCHEDULE AND HOLD A PRE-CONSTRUCTION MEETING WITH THE DESIGNER.
  - UNLESS OTHERWISE NOTED, ALL FEEDS ARE TO BE ASSUMED ONE-WAY.
  - ALL WORK, INCLUDING PRESSURE TESTING AND PURGING, TO BE COMPLETED ACCORDING TO MEC GAS STANDARDS.
  - PRESSURE MUST BE MONITORED ON ALL SIDES OF ALL STOPPERING/SQUEEZE POINTS THAT SHOULD MAINTAIN PRESSURE.
  - DEVELOPER TO STAKE ALL UTILITY EASEMENTS, ROW AND ANY OTHER KNOWN OBSTRUCTIONS IN THE GAS RUNNING LINE.
  - INSTALLER TO NOTIFY CUSTOMER OF ANY CONSTRUCTION WORK THAT MAY AFFECT THEIR PROPERTY.

TIE IN C 8" SPHERICAL 8" STL CAP (TO THE NORTH) 8" STL 90° ELL 105' SSER OF DRIVEWAY TO 4584 NE 46TH ST



LEGEND	
EXISTING 10 PSIG SYSTEM	--- (dashed purple)
EXISTING 15/20/25 PSIG SYSTEM	--- (dashed blue)
EXISTING 125 PSIG SYSTEM	--- (dashed pink)
PROPOSED 10 PSIG SYSTEM	--- (dashed red)
PROPOSED 125 PSIG SYSTEM	--- (dashed orange)
RETIRED 10 PSIG SYSTEM	--- (dashed green)
RETIRED 125 PSIG SYSTEM	--- (dashed light green)



Cust: IDOT - POLK COUNTY BROADWAY STAGE 1 AREA D EAST  
 Addr: 4229 E BROADWAY AVE TO HUBBELL AVE ALONG E BROADWAY AVE  
 City: DES MOINES

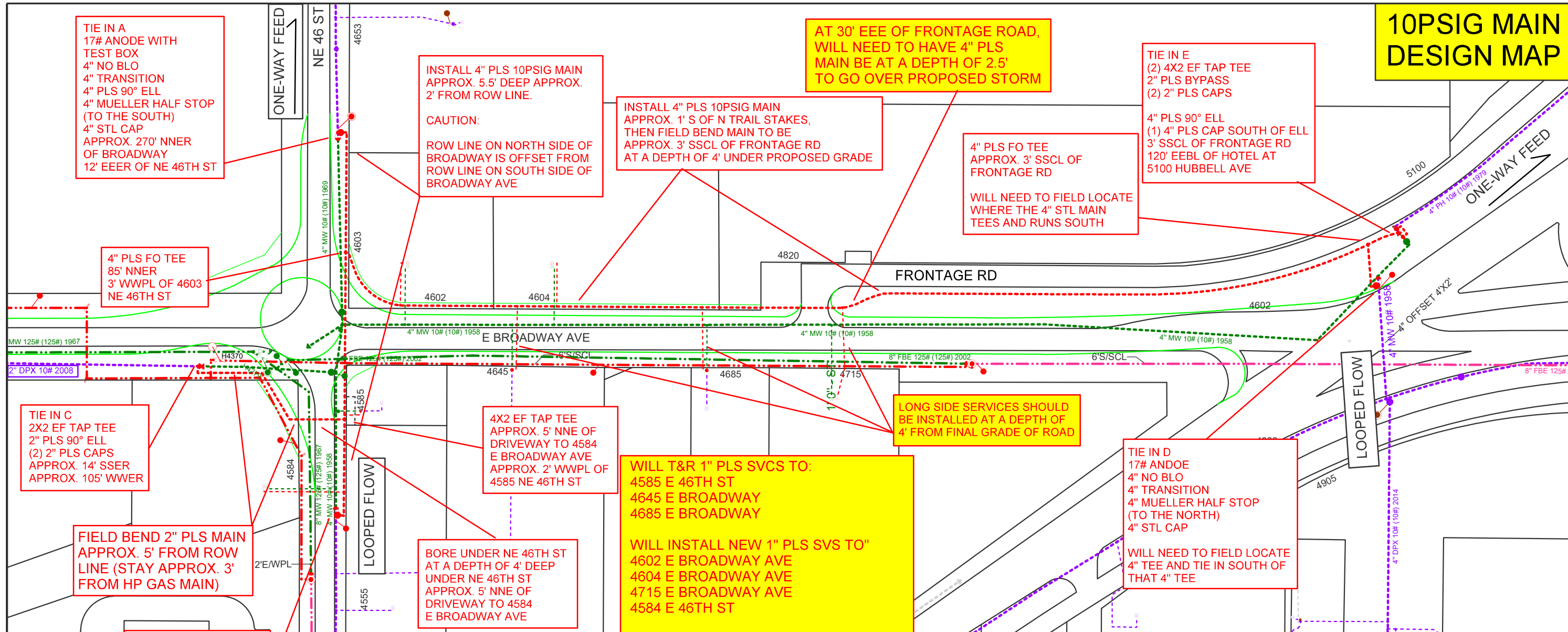
WMS\_REV:2976016-1  
 Date: 01/13/2023  
 Scale: NTS  
 Designer: PALS, KYLE B

DISCLAIMER OF LIABILITY  
 NOTE: This drawing reflects facilities in place at the time of its preparation and is subject to change at any time. For current facility information, please contact MidAmerican Energy Company. Further, MidAmerican Energy Company disclaims all liability and responsibility for all claims and damages including but not limited to, personal injury, death and property damage, resulting from any authorized or unauthorized use of, or reliance upon, this drawing for any purpose.

Job Desc: Install approx. 3700' of 8" STL 125psig main, 1800' of 4" PLS, and 215' of 2" PLS 10psig main in conflict. Also T&R (7) HP services before the hairpin, T&R (3) 1" PLS 10psig service, and (4) new 1" PLS 10psig services due to conflict with Stage 1 Area D of the NE Broadway Recon



# 10PSIG MAIN DESIGN MAP



- NOTES:**  
INSTALLER OR SUPERVISOR MUST CALL DESIGNER PRIOR TO THE START OF WORK TO SCHEDULE AND HOLD A PRE-CONSTRUCTION MEETING WITH THE DESIGNER.
1. UNLESS OTHERWISE NOTED, ALL FEEDS ARE TO BE ASSUMED ONE-WAY.
  2. ALL WORK, INCLUDING PRESSURE TESTING AND PURGING, TO BE COMPLETED ACCORDING TO MEC GAS STANDARDS.
  3. PRESSURE MUST BE MONITORED ON ALL SIDES OF ALL STOPPERING/SQUEEZE POINTS THAT SHOULD MAINTAIN PRESSURE.
  4. DEVELOPER TO STAKE ALL UTILITY EASEMENTS, ROW AND ANY OTHER KNOWN OBSTRUCTIONS IN THE GAS RUNNING LINE.
  5. INSTALLER TO NOTIFY CUSTOMER OF ANY CONSTRUCTION WORK THAT MAY AFFECT THEIR PROPERTY.

**LEGEND**

EXISTING 10 PSIG SYSTEM	--- (dashed purple)
EXISTING 15/20/25 PSIG SYSTEM	--- (dashed blue)
EXISTING 125 PSIG SYSTEM	--- (dashed pink)
PROPOSED 10 PSIG SYSTEM	--- (dashed red)
PROPOSED 125 PSIG SYSTEM	--- (dashed red-dotted)
RETIRED 10 PSIG SYSTEM	--- (dashed green)
RETIRED 125 PSIG SYSTEM	--- (dashed green-dotted)



Cust: IDOT - POLK COUNTY BROADWAY STAGE 1 AREA D EAST  
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