



GRINNELL PUBLIC WORKS & GROUNDS COMMITTEE MEETING
MONDAY, MAY 18, 2020 AT 5:30 P.M.
VIA ZOOM

Join Zoom Meeting

<https://zoom.us/j/99554825293?pwd=N01HMjk2cDk5MVVmTEFSZVdKMZGQT09>

Meeting ID: 995 5482 5293

Password: 466497

One tap mobile

+19292056099,,99554825293#,,1#,466497# US (New York)

+13017158592,,99554825293#,,1#,466497# US (Germantown)

Dial by your location

+1 929 205 6099 US (New York)

+1 301 715 8592 US (Germantown)

+1 312 626 6799 US (Chicago)

+1 669 900 6833 US (San Jose)

+1 253 215 8782 US (Tacoma)

+1 346 248 7799 US (Houston)

Meeting ID: 995 5482 5293

Password: 466497

Find your local number: <https://zoom.us/u/aIS0oMoaj>

TENTATIVE AGENDA

ROLL CALL: White (Chair), Hueftle-Worley, Davis

PERFECTING AND APPROVAL OF AGENDA:

COMMITTEE BUSINESS:

1. Consider resolution making award of the contract for the 2020 Seal Coat Projects (FY21) (See Resolution No. 2020-80).
2. Consider resolution approving contract change order No. 2 in the amount of \$27,748.19 for a net increase to the contract with Manatts, Inc of Brooklyn, IA for the Runway Rehabilitation Project (See Resolution No. 2020-81).
3. Consider resolution for amendment No. 4 to the consulting services agreement with Clapsaddle-Garber Associates, Inc. for the Runway Rehabilitation Improvements Project at the Grinnell Regional Airport (See Resolution No. 2020-82).
4. Consider opening park restrooms at 8:00 a.m. on Thursday, May 28th if permitted by the State of Iowa.
5. Consider opening the Grinnell Mutual Family Aquatic Center per the reopening guidelines established and following restrictions placed by the State of Iowa at 8:00 a.m. on Thursday, May 28th.
6. Consider approval of Grinnell Farmers Market – June 4 through October 24, 2019 on sidewalks of Broad Street and 4th Avenue and allow trucks to back in on both streets.
7. Consider Alliant Energy ROW request, 6th Ave.
8. Consider Commdatalink ROW request, 1st Ave.

9. Consider Windstream ROW request, Ogan Ave and Industrial Ave.
10. Consider Windstream ROW request, alley between 4th Ave and 5th Ave.

INQUIRIES:

ADJOURNMENT

RESOLUTION NO. 2020-80

RESOLUTION MAKING AWARD OF THE CONTRACT FOR 2020 SEAL COAT PROJECT.

WHEREAS, the following bid for the 2020 Seal Coat Project (FY21) is hereby accepted, the same being the lowest responsible bid for the said work, as follows:

1) CONTRACTOR: Manatts Incorporated

AMOUNT OF BID: \$ 127,244.00
PORTION OF PROJECT: All

NOW, THEREFORE, BE IT RESOLVED, by the City Council of the City of Grinnell, Iowa, that the Mayor and City Clerk are hereby directed and authorized to execute a contract with the Contractor for the 2020 Seal Coat Project (FY21 Budget).

Passed and approved this 18th day of May 2020.

DAN F. AGNEW, MAYOR

ATTEST:

ANNMARIE WINGERTER, CITY CLERK/FINANCE DIRECTOR

BID SCHEDULE - STREETS

ITEM	DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL PRICE
1.	BINDER BITUMEN ASPHALT MC3000 SINGLE COAT	47447	SQ YDS	\$ 2 ³²	\$ 110,077 ⁰⁴
2.	BINDER BITUMEN ASPHALT MC3000 DOUBLE COAT	2712	SQ YDS	\$ 3 ⁶³	\$ 9,844 ⁵⁶
3.	TEAR UP & RELAY	2712	SQ YDS	\$ 2 ⁷⁰	\$ 7,322 ⁴⁰
	TOTAL AMOUNT				\$ 127,244 ⁰⁰

RESOLUTION NO. 2020-81

A RESOLUTION APPROVING CONTRACT CHANGE ORDER NO. 2 IN THE AMOUNT OF \$27,748.19 FOR A INCREASE TO THE CONTRACT WITH MANATTS, INC OF BROOKLYN, IOWA FOR THE RUNWAY REHABILITATION PROJECT.

WHEREAS, the City of Grinnell did enter into a contract with Manatts, Inc. of Brooklyn, IA on June 18, 2019 for the Runway Rehabilitation Improvement Project; and

WHEREAS, Manatts, Inc. of Brooklyn, IA, has submitted Contract Change Order No.2 for a net increase of \$27,748.19 and

WHEREAS, the Project Engineer has reviewed the change order and recommends approval of Contract Change Order No. 2; and

NOW, THEREFORE, BE IT RESOLVED, by the City Council of Grinnell, Iowa, in regular session this 18th day of May 2020 that the contract amount has been increased by \$27,748.19 in accordance with Contract Change Order No. 2 is hereby approved as executed.

Passed and adopted this 18th day of May 2020.

Dan F. Agnew, Mayor

Attest:

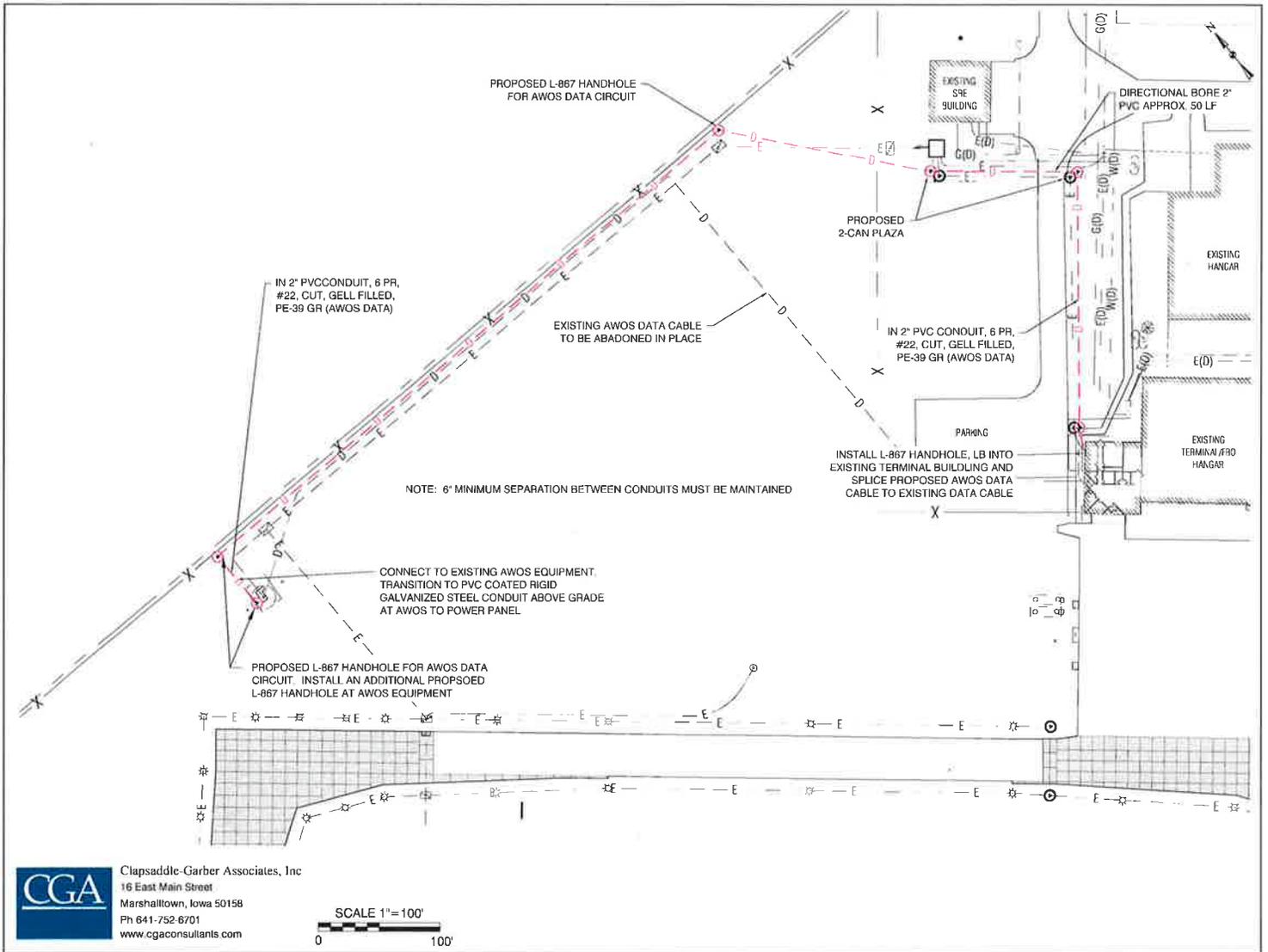
Annmarie Wingerter, City Clerk

Project: Rehabilitate Runway Improvements	Change Order # 2
AIP 3-19-0039-015-2018	
Owner: City of Grinnell, Iowa	CGA PN: 4448.06
Contractor: Manatt's, Inc.	Contract Date: September 6, 2018
	Contract Amount: \$3,650,075.54

List below or on a separate sheet each change proposed in this order describing briefly and giving reasons for the changes. Attach copy of supplemental agreement covering any contract amendment.

PROPOSED CHANGES	Amount Increase or Decrease
<p>This change order is to incorporate the bid items into the project necessary to install all new AWOS data cable from inside the terminal building to the AWOS equipment location. After the project was bid, a problem was observed with the existing AWOS data cable.</p> <p>The replacement of the AWOS power cable was included in the initial contract. In order to ensure proper function of the AWOS equipment at the airport, the AWOS data cable is proposed to be replaced.</p>	
<p>Item No. 4 - Add – Pavement Removal Add 30 SY @ \$3.00/SY.....</p>	+\$90.00
<p>Item No. 15 - Add – PCC Paving 6” Add 30 SY @ \$31.15/SY.....</p>	+\$934.50
<p>Item No. 54 – Add – 1 Way 2 Inch Schedule 40 PVC Conduit, Including Trenching and Backfill Add 1,130 LF @ 2.72/LF.....</p>	+\$3,073.60
<p>Item No. 62 – Add – 1 Way 2 Inch Schedule 40 PVC Conduit, Directionally Bored Add 50 LF @ \$12.29/LF.....</p>	+\$614.50
<p>Item No. 63 – Add – L-867 Electrical Handhole, Size D, 24” Deep Add 3 EA @ \$597.45/EA.....</p>	+\$1,792.35
<p>Add Bid Item No. CO2-1 – 6 PR, #22, CU Gel Filled, PE-39 GR Installed in Trench, Duct or Conduit Add 1,180 LF @ \$5.32/LF.....</p>	+\$6,277.60
<p>Add Bid Item No. CO2-2 – AWOS Terminal Building Improvements - Exterior Bid item shall include all work necessary to install junction box and penetration on exterior face of terminal building where AWOS cabling shall be spliced to separate interior and exterior cabling. All AWOS cable from exterior hand hole to inside of building shall be incidental to this bid item. Add 1 LS @ \$2,890.40/LS.....</p>	+\$2,890.40
<p>Add Bid Item No. CO2-3 – AWOS Terminal Building Improvements – Interior Bid item shall include all work necessary to install new AWOS cable inside of the terminal building from the existing AWOS controls to the exterior face of the building. Contractor shall use existing interior AWOS cable routing. Add 1 LS @ \$2,833.89/LS.....</p>	+\$2,833.89
<p>Add Bid Item No. CO2-4 – Can Plaza with Two L-867 Electrical Handholes, Size D, 24” Deep Bid item shall include all work and materials needed to install a two hole can plaza. Add 3 EA @ \$3,080.45/EA</p>	+\$9,241.35

Net Change This Order (+ or -)			\$27,748.19
Net Changes Previous Orders:			-\$98,250.00
Total Net Changes to Date:			-\$70,501.81
Contract Completion Date November 23, 2019 – Phase I June 20, 2020 – Phase II	Days Increased 0	Days Decreased 0	Revised Completion Date N/A
<i>If and when approved, I hereby accept this order both as to work to be performed and prices on which payment shall be based.</i>			
Contractor: MANATTS, INC.		Date: 5/11/20	
By: 		Title: PROJECT ESTIMATOR	
Recommended	By: 	Title: Project Manager	Date: 05/12/2020
Approved	By:	Title:	Date:



CGA Clapsaddle-Garber Associates, Inc
 16 East Main Street
 Marshalltown, Iowa 50158
 Ph 641-752-8701
 www.cgaconsultants.com

RESOLUTION NO. 2020-82

RESOLUTION APPROVING AMENDMENT NO. 4 TO THE CONSULTING SERVICES AGREEMENT WITH CLAPSADDLE-GARBER ASSOCIATES, INC FOR THE RUNWAY REHABILITATION IMPROVEMENTS PROJECT AT THE GRINNELL REGIONAL AIRPORT

WHEREAS, the CITY OF GRINNELL, the OWNER and CLAPSADDLE-GARBER ASSOCIATES, INC., the ENGINEER have entered into an agreement dated May 18, 2016 for the Preliminary Design Services for Runway Rehabilitation Improvements at the Grinnell Regional Airport; and

WHEREAS, the scope of services has been further defined and reviewed by FAA for installation of A WOS data cable as identified in Tasks 3.0 and Tasks 8.0; and

WHEREAS, the OWNER now desires the Engineer to proceed with and provide these services,

NOW, THEREFORE, the OWNER and ENGINEER agree to amend the AGREEMENT as follows:

- 1. Under 3e, PAYMENT FOR BASIC SERVICES, add the following additional compensation:

Basic Services

Task 3.0	Final Design	\$3,403.00
----------	--------------------	------------

- 2. Under 3f, PAYMENT FOR BASIC SERVICES, add the following additional compensation:

Other Services

Task 8.0	Contract Administration	\$5,673.00
----------	-------------------------------	------------

The total additional lump sum fee payment for basic services is \$3,403.00.

The total additional lump sum fee payment for other services is \$5,673.00.

The total additional lump sum fee payment for Amendment No. 4 is \$9,076.00.

IN WITNESS THEREOF, the parties have made and authorize their representatives to execute this Amendment to the AGREEMENT on this 18th day of May 2020.

Dan F. Agnew, Mayor

ATTEST:

Annmarie Wingerter, City Clerk/Finance Director

AMENDMENT NO. 4
TO
CONSULTING SERVICES AGREEMENT

WHEREAS, the CITY OF GRINNELL, the OWNER and CLAPSADDLE-GARBER ASSOCIATES, INC., the ENGINEER have entered into an agreement dated May 18, 2016 for the Preliminary Design Services for Runway Rehabilitation Improvements at the Grinnell Regional Airport, and

WHEREAS, the scope of services has been further defined and reviewed by FAA for installation of AWOS data cable as identified in Tasks 3.0 and Tasks 8.0; and

WHEREAS, the OWNER now desires the Engineer to proceed with and provide these services,

NOW, THEREFORE, the OWNER and ENGINEER agree to amend the AGREEMENT as follows:

1. Under 3e, PAYMENT FOR BASIC SERVICES, add the following additional compensation:

Basic Services

Task 3.0 Final Design..... \$3,403.00

2. Under 3f, PAYMENT FOR BASIC SERVICES, add the following additional compensation:

Other Services

Task 8.0 Contract Administration..... \$5,673.00

The total additional lump sum fee payment for basic services is \$3,403.00.

The total additional lump sum fee payment for other services is \$5,673.00.

The total additional lump sum fee payment for Amendment No. 4 is \$9,076.00.

IN WITNESS THEREOF, the parties have made and authorize their representatives to execute this Amendment to the AGREEMENT on this _____ day of _____, 2020.

OWNER:

City of Grinnell

By: _____

Title: _____

ATTESTED BY:

Title: _____

ENGINEER:

Clapsaddle-Garber Associates, Inc.

By: Michael C. Beard

Title: Executive Vice President

ATTESTED BY:

[Signature]
Title: Project Manager

Attachment C
 Labor Estimate - Amendment No. 4
 Runway Rehabilitation Improvements Project
 Grinnell Regional Airport

AIP # 3-19-0039-014-2016 (Preliminary Design) & 3-19-0039-015-2018 (Final Design, Bidding and Construction)

Labor Category	LABOR HOURS								Salary Cost	Over-head	Direct Exp.	Fixed P'ment	Out-Side Services	TOTAL FEE
	Principal	P.E. 3	P.E. 2	Assoc 5	Tech 10	P.L.S. 1	Tech 6	Assoc 3						
BASIC SERVICES - FINAL DESIGN & CONSTRUCTION PHASE														
3.0 Final Design														
3.1 Construction Plans		2			6				257.00	411.20	0.00	100.23	2,635.00	\$3,403.43
3.2 Project Manual									0.00	0.00	0.00	0.00		\$0.00
PHASE TOTAL	0	2	0	0	6	0	0	0	257.00	411.20	0.00	100.23	2,635.00	\$3,403.43
OTHER SERVICES - CONSTRUCTION PHASE														
8.0 Contract Administration														
8.1 Preconstruction Conference									0.00	0.00	0.00	0.00		\$0.00
8.2 Payroll Transcripts									0.00	0.00	0.00	0.00		\$0.00
8.3 Submittal Reviews and Coordination									0.00	0.00	0.00	0.00		\$0.00
8.4 Construction Progress Payments									0.00	0.00	0.00	0.00		\$0.00
8.5 Visits to the Site									0.00	0.00	0.00	0.00		\$0.00
8.6 Engineering Administration		4			8				394.00	630.40	0.00	153.66	4,495.00	\$5,673.06
8.7 Change Orders									0.00	0.00	0.00	0.00		\$0.00
8.8 Engineer's Statement of Completion									0.00	0.00	0.00	0.00		\$0.00
8.9 Record Drawings									0.00	0.00	0.00	0.00		\$0.00
8.10 Final Quantity & Testing Results Report									0.00	0.00	0.00	0.00		\$0.00
8.11 Construction Observation Program									0.00	0.00	0.00	0.00		\$0.00
PHASE TOTAL	0	4	0	0	8	0	0	0	394.00	630.40	0.00	153.66	4,495.00	\$5,673.06
PROJECT TOTALS - AMENDMENT NO.4	0	6	0	0	14	0	0	0	651.00	1,041.60	0.00	253.89	7,130.00	9,076.49

Direct Expenses:

Personal Vehicle Mileage: \$0.65 per Mile
 Survey Vehicle Mileage: \$1.00 per Mile
 Round Trip ~ 70 miles

Survey Equipment: \$25 per hour
 CAD computer Time: \$5 per hour
 Per Diem (Meals & Misc): \$20 travel day and \$30 Non-travel day
 Hotel Cost: \$80 per overnight

Staff Abbreviations:

Principal = Principal
 P.E. 1 = Professional Engineer 1
 E.I. 2 = Engineering Intern 2
 Tech 7 = Technician 7
 L.S.I 3 = Land Survey Intern 3
 Tech 6 = Technician 6
 Assoc 3 = Associate 3

Subconsultants:

TEAM Services - Geotechnical & Construction Testing
 UL Verification - Electrical/Mechanical

Direct Expense and Subcontracting Expense Summary

Direct Expenses	Quantity	Unit	Rate	Subtotal
Mileage - Survey Vehicle	0	Mile	\$1.00	\$0.00
Mileage - Personal Vehicle	0	Mile	\$0.65	\$0.00
Lodging	0	Day	\$80.00	\$0.00
Subsistence Per Diem - Travel Day	0	Day	\$20.00	\$0.00
Subsistence Per Diem - Non Travel Day	0	Day	\$30.00	\$0.00
Survey Equipment Fees	0	Hourly	\$25.00	\$0.00
CAD Computer Fees	0	Hourly	\$5.00	\$0.00
Printing	0	Cost Plus	\$0.00	\$0.00
Subcontracting Expenses	Contract Value	Contract Type	Prime Fixed Fee	Subtotal
UL Verification Services	\$7,130.00	Fixed Fee	\$0.00	\$7,130.00
Team Services	\$0.00	Fixed Fee	\$0.00	\$0.00

Total Direct Expenses and Subcontracting Expense Summary

\$7,130.00

May 11, 2020

Ann Wingerter
City Of Grinnell
520 4th Avenue
Grinnell, Iowa 50112



Dear Ann,

This letter is to ask permission to have parking spaces and/or sidewalks on Broad Street to 3rd Ave and 4th Ave to Park closed for the Farmers Market and the ability to have vendors back-in to stalls on both streets. Dates for the market are June 4 through October 24, 2020. Please note the following details:

- Farmers Market will use a new layout to comply with social distancing recommendations. For 2020, vendors will still back vehicles into their spaces as they have done in the past. This is signified by the **RED** squares. To maintain customer distance, vendors will now be setting up in the parking spaces to the south of their vehicles, instead of on the sidewalks. This is signified by the **GREEN** squares. Tables are to be set up in the parking spaces along the curb but **CANNOT** be on the sidewalk. This will help us maintain appropriate social distancing between vendors and customers. Tents are to be set up in the parking spaces and not covering the sidewalks. 4th Avenue will look similar.
- Please note, the map on the right only shows a portion of the layout. At this time we anticipate using the majority of Broad Street, down to 3rd Ave to adequately space out our vendors. In past years, market has only gone down to the Commercial Street crossing.

Times for the Farmers Market will be the same as past years: 3 to 6pm on Thursday afternoons and 10am til Noon on Saturdays.

If you have any questions, or need any additional information, please feel free to contact me at kendra@getintogrinnell.com or at 641-236-6555. Thank you for your consideration of this request.

Regards,

A handwritten signature in black ink that reads "Kendra Tucker".

Kendra Tucker
Member Engagement Coordinator
Grinnell Chamber of Commerce





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

FOR DEPARTMENT USE ONLY		
Permit Number	Highway Number US HWY 6	County Poweshick
DOT Project Number		Expiration/Completion Date

APPLICANT (INDIVIDUAL OR COMPANY)				
First Name Jon	Middle Initial	Last Name Katzenmeier	Phone Number 515-268-3470	Ext.
Company Name Interstate Power and Light Company DBA Alliant Energy			Phone Number 515-230-1296	Ext.
Street Address 1284 XE Place		City/Town Ames	State IA	ZIP Code 50014
e-Mail Address jonkatzenmeier@alliantenergy.com		Secondary e-Mail Address heatherbenninghoven@alliantenergy.com		

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

The installation shall consist of:
This application is applicable to sheet 2 of the attached plans. 8" steel gas main will be tied into an existing 8" steel main on the north side of US HWY 6 near the intersection of US HWY 6 and Oak Street. A new 4" steel branch will be ran off of the new 8" steel line and the 4" steel main will continue to run south across US HWY 6 and then down Oak Street. There will be a 4" steel valve and a 8" steel valve installed on the north side of US HWY 6. This project will involve approximately 30' of 8" steel gas main that will be installed along the north side of US HWY 6 and approximately 180' of 4" steel main that will be installed on the north side of US HWY 6 and will cross the highway and run down Oak Street. This main will be at a working pressure of 150 PSIG. The gas main to be installed at a minimum depth of 3' along US HWY 6 and 4' underneath US HWY 6. The installation method for installing the main underneath US HWY 6 will be directional drilling. Refer to sheet 3 and 4 of attached plans for traffic control.

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 10 Twp. 80N Range 16W on Highway No. 6 generally located 0.02 (miles) east (direction) from the intersection of Oak St and US HWY 6 (city, county line, or other landmark). Work proposed is more specifically located as being from 188.02 (Milepost #) and 198+01 (Highway Station) to 188.04 (Milepost #) and 199+26 (Highway Station) on the north and south side of highway.

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

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

A. General

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

B. Construction and Maintenance

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

C. Liability

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

D. Notification

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

E. Buy America

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

Permit Number: _____

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) J.D. KATZENMEIER	Agent/Owner (Signature) <i>J.D. Katzenmeier</i>	Title Project Manager
Name of Owner (Print or Type) ALLIANT ENERGY / IPL	Date 4/20/2020	
e-Mail Address jowkatzenmeier@alliantenergy.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	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
--	------

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

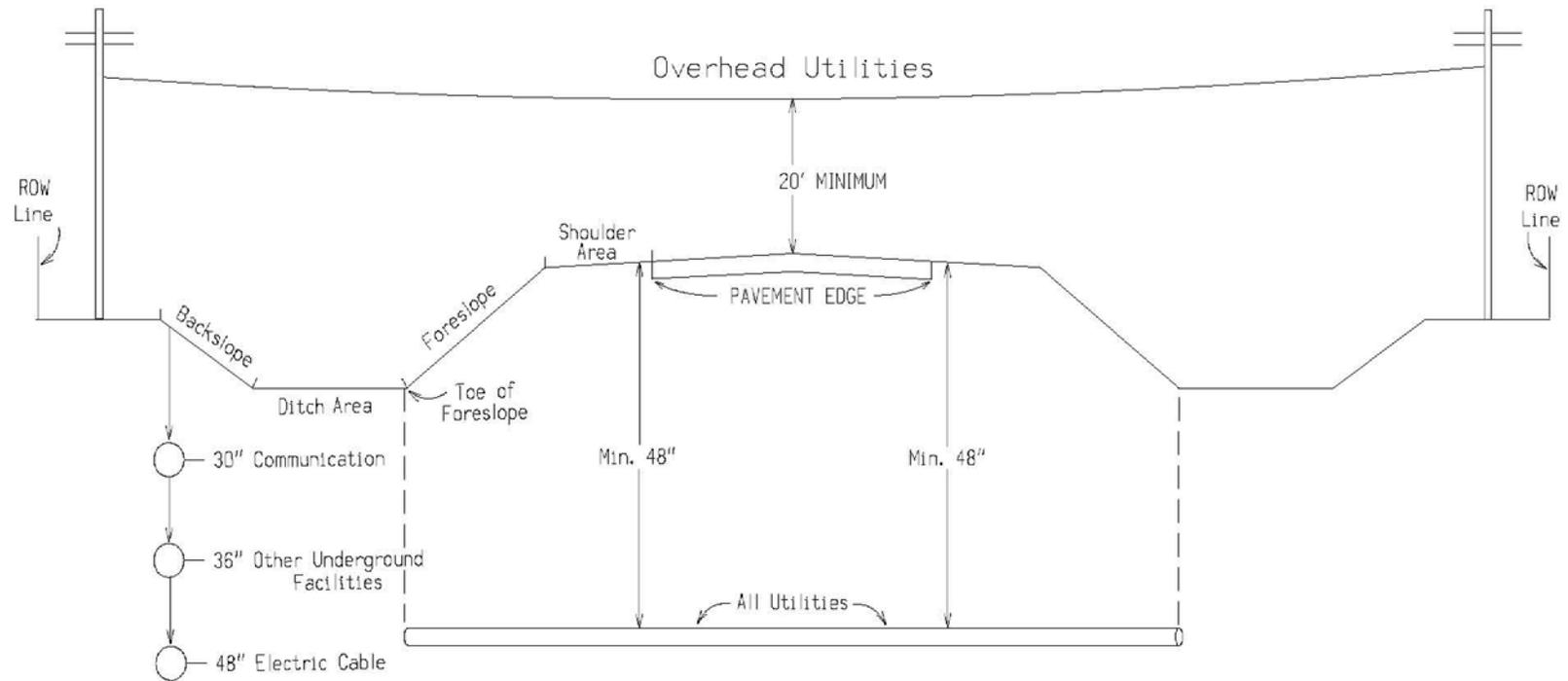
- Plans showing IADOT Highway Centerline, Highway Number, DOT Stationing and Milepost are required.
- Visible orientation (North Arrow) and identifying landmarks are required.
- Clearly identify Right Of Way (ROW) line with horizontal distance from highway centerline shown, including all breakpoints 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
- 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

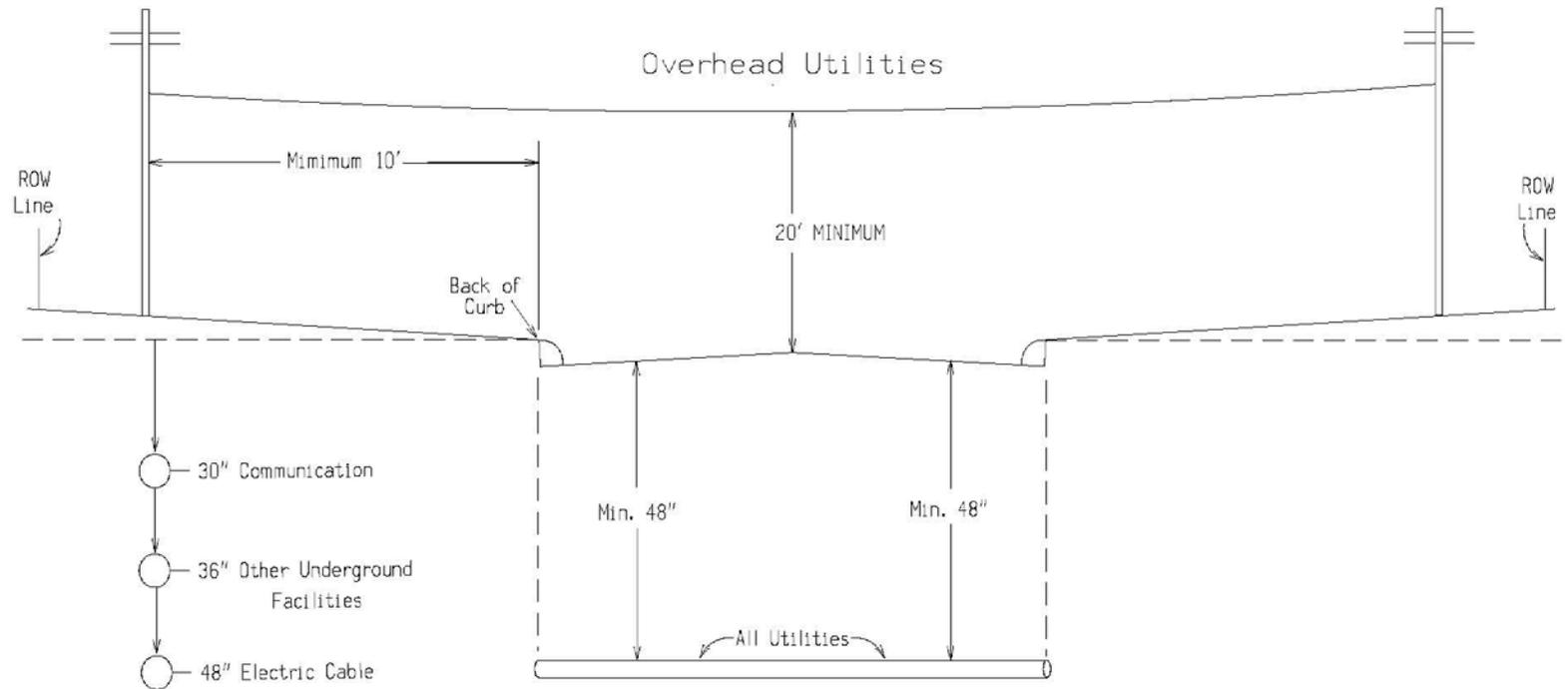
Minimum Policy Requirements Rural Section Non-Freeway Highway



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.

Minimum Policy Requirements Urban Section Non - Freeway Highway

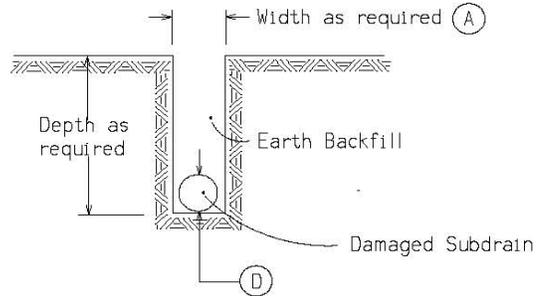
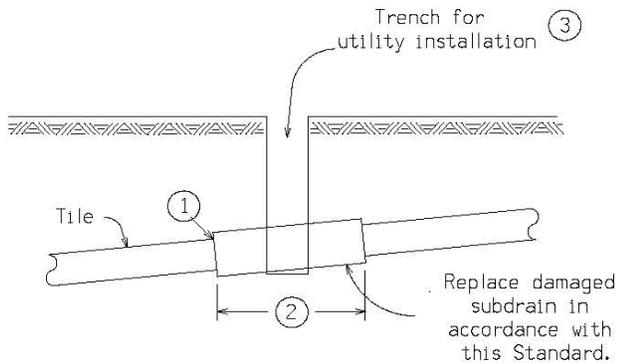


E-9

01/2012

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

Tile Line Repair Guideline



Note:

Replacement of drainage tile shall be accomplished so as to cause the minimum of disturbance to existing field tile. The repaired drainage tile shall be left in a functional condition with special emphasis placed on maintaining existing flow line elevations.

(A) = A minimum of 24" shall be excavated outside the normal utility trench wall or such greater width as may be required to expose a minimum of 12" of undamaged drain tile.

REPLACEMENT SCHEDULE - CASE 'A'										
Existing Tile (D)	4	6	8	10	12	15	18	21	24	>24
Proposed Subdrain Size										
Concrete Pipe	-	-	12	15	15	18	21	24	30	D+6"
Coated C.M.P.	10	12	15	18	21	24	30	36	36	*

* Replacement sizes provide equivalent capacity based on 6" settlement assuming a 0.20% slope with n = 0.013 for concrete pipe and n = 0.025 for corrugated pipe (Manning Formula)

NOTES:

Tile lines disturbed within the right-of-way (outside the Roadway Embankment Area *) limits shall be repaired as follows:

May be repaired with schedule 40 PVC pipe of compatible size or in accordance with the replacement schedule-case 'A' as listed above. Replacement with schedule 40 PVC pipe shall require using a connecting device of a Femco plain and plain flexible pipe coupling or equal.

Tile lines disturbed within the "Roadway Embankment Area" shall be replaced in accordance with the replacement schedule - case 'A' stated above and as follows:

- ① Concrete collar to be placed around joint where existing tile line and corrugated aluminized metal pipe connect.

- ② Minimum length of corrugated metal pipe shall be 4 feet. Minimum length of 2 feet on each side of the tile line break location.

- ③ Trench shall be backfilled with 8 inches loose material, compacted to 6 inches with a minimum of 95% compaction of natural density.

A. Backfill and compact area around drain tile to be completed by hand until new tile is completely covered. Remainder of the trench shall be backfilled by acceptable methods.

B. Area shall require inspection by the Iowa Department of Transportation inspectors or their designated personnel prior to backfilling of trench.

* "Roadway Embankment Area" is defined as the area lying between the foreslopes of a two-lane roadway and from near foreslope to far foreslope of a four lane roadway.



Interstate Power and Light Company (IP&L)

GRINNELL HP LOOP EXTENSION GRINNELL, IOWA ISSUED FOR PERMIT



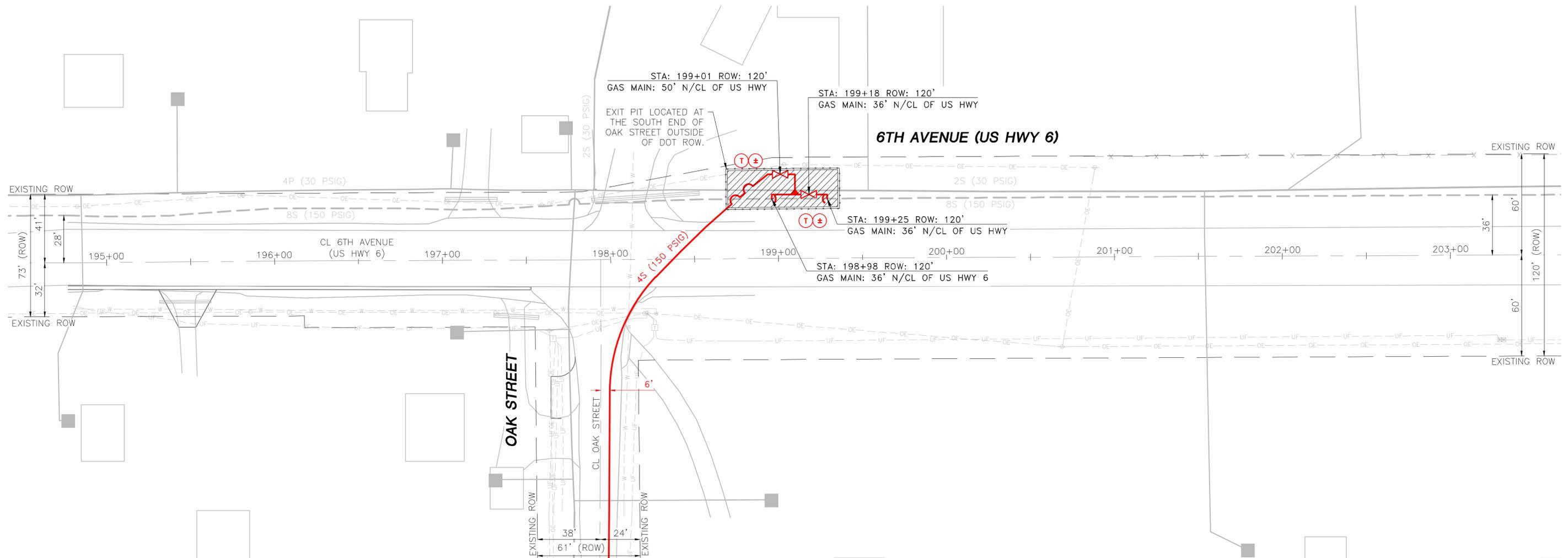
DRAWING INDEX	
SHEET NUMBER	DESCRIPTION
1	COVER SHEET & LOCATION MAP
2	DOT PERMIT 1
3	TRAFFIC CONTROL PLANS
4	TRAFFIC CONTROL PLANS

LOCATION MAP
(SCALE: NOT TO SCALE)

GENERAL NOTES:

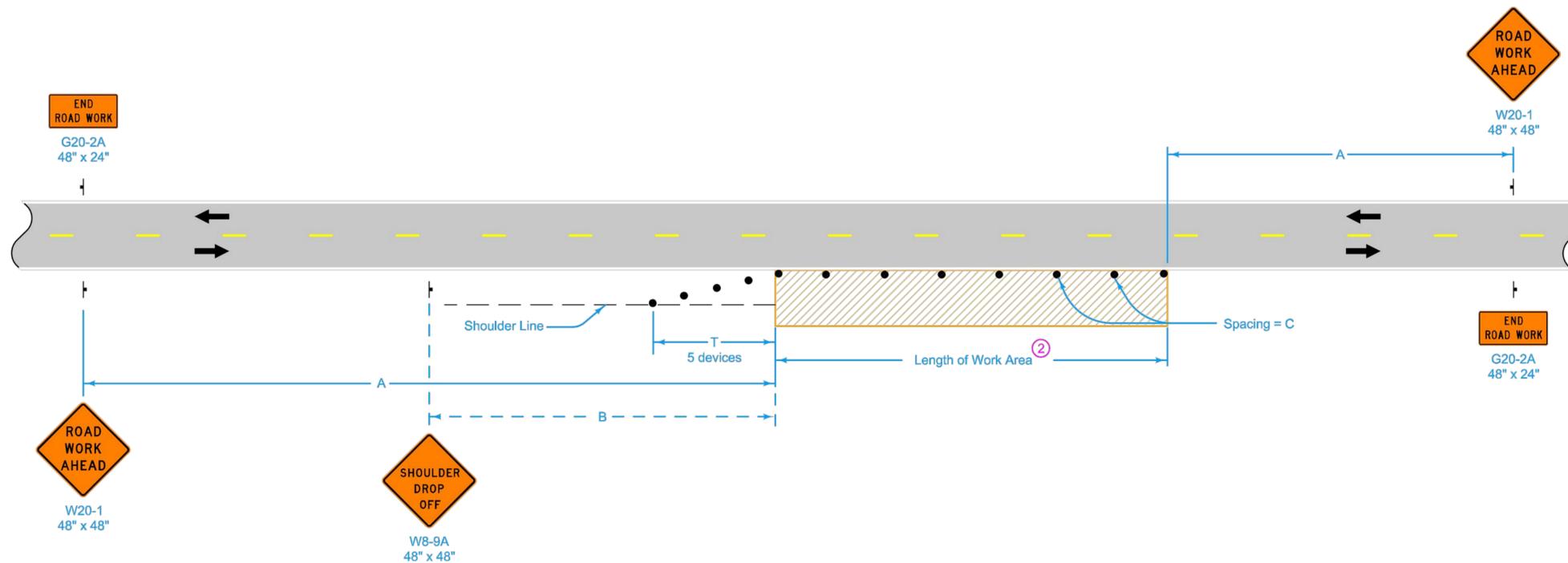
- SECTION 10, T80N, R16W OF POWESHIEK COUNTY.
- REFER TO IOWA DOT STANDARDS TC-202 FOR TRAFFIC CONTROL REQUIREMENTS.
- POSTED SPEED LIMIT FOR US HWY 6 (6TH AVENUE) IS 45 MPH.
- MINIMUM INSTALLATION DEPTH OF 3 FEET (36 INCHES) WITHIN R.O.W., UNLESS OTHERWISE NOTED.
- MINIMUM INSTALLATION DEPTH OF 4 FEET (48 INCHES) UNDER US HWY 6.

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTG GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.	 Interstate Power and Light Company (IP&L)	
	GRINNELL HP LOOP EXTENSION COVER SHEET & LOCATION MAP	
PREPARED BY: 28100 TORCH PARKWAY WARRENVILLE, IL 60555 TEL 630-353-4000 FAX 630-353-7777 WWW.ENENGINEERING.COM	CITY: GRINNELL COUNTY: POWESHIEK	IOWA SCALE: N.T.S. ENE#: 1910111.00
DRAWN BY: DW CHECKED BY: JF PROJECT ENG: BB APPROVED BY: KM DATE ISSUED: 04/20/2020	WR# 4181568	
		1 OF 4



ISSUED FOR PERMIT

DESIGNED IN ACCORDANCE WITH TITLE 49—PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.	 Alliant Energy Interstate Power and Light Company (IP&L)	
	GRINNELL HP LOOP EXTENSION DOT PERMIT 1	
PREPARED BY: ENEngineering 28100 TORCH PARKWAY WARRENVILLE, IL 60555 TEL. 630-363-4000 FAX 630-363-7777 WWW.ENENGINEERING.COM	CITY: GRINNELL COUNTY: POWESHIEK IOWA	
	DRAWN BY: DW	SCALE: 1"=30' ENE#: 1910111.00
	CHECKED BY: JF	WR# 4181568
	PROJECT ENG: BB	
APPROVED BY: KM	DATE ISSUED: 04/20/2020	2 OF 4



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'

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.

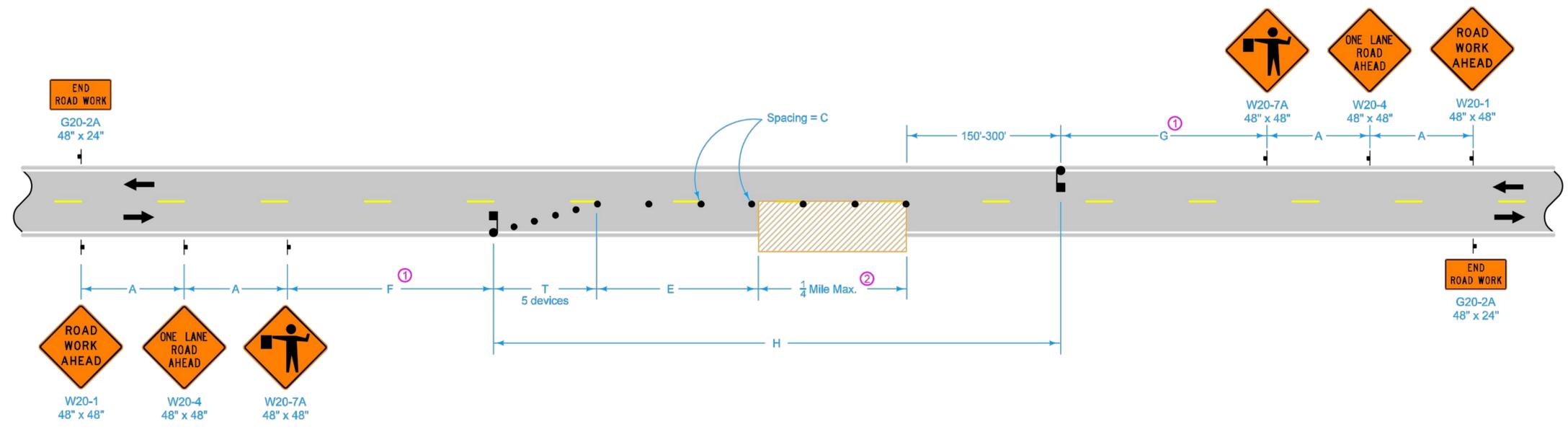
- ① When the length of a pavement edge drop-off is 1000 feet or less, the temporary fillet requirement of Article 1107.08 of the Standard Specifications does not apply. Reduce channelizer spacing to 40 feet.
- ② For work areas less than 200 feet long, use channelizers spaced at 20 foot centers or use a vehicle with an amber revolving light or amber strobe light.

Possible Contract Item:
Traffic Control

	REVISION
	8 04-21-15
	TC-202
STANDARD ROAD PLAN	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> <i>Brian Smith</i>	
WORK WITHIN 15 FT OF TRAVELED WAY	

ISSUED FOR PERMIT

<small>DESIGNED IN ACCORDANCE WITH TITLE 49—PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPIC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.</small>	 Interstate Power and Light Company (IP&L)
PREPARED BY: 28100 TORCH PARKWAY WARRENVILLE, IL 60555 TEL 630-353-4000 FAX 630-353-7777 WWW.ENENGINEERING.COM	GRINNELL HP LOOP EXTENSION TRAFFIC CONTROL PLANS
CITY: GRINNELL COUNTY: POWESHIEK	SCALE: N.T.S. ENE#: 1910111.00
DRAWN BY: DW CHECKED BY: JF PROJECT ENG: BB APPROVED BY: KM DATE ISSUED: 04/20/2020	WR# 4181568
	3 OF 4



LEGEND

- Traffic Sign
- Flagger
- 42" Channelizer
- Work Area
- Direction of Traffic

SPEED LIMIT (mph)	A	C	E	F and G Range	F + G Max.	H Max.	T
35 or less	250'	40'	0'-200'	500'-3000'	3500'	2000'	50'
40 - 45	350'	80'	0'-200'	700'-3000'	3700'	2000'	100'
50 or greater	500'	100'	200'-300'	1000'-3000'	4000'	2000'	100'

- ① Keep F and G distances as near to minimum values as work permits. However, to allow advancement of the work area without moving signs, F and G distances may be varied within the limits of the table. Maximum movement can be achieved by setting one F or G value at the minimum and the other value at its maximum.
- ② If length of work area exceeds 1/4 mile, use TC-214.

Possible Contract Items:
 Flaggers
 Traffic Control

	REVISION
	4 10-15-19
STANDARD ROAD PLAN	TC-213
SHEET 1 of 1	
REVISIONS: New logo.	
APPROVED BY DESIGN METHODS ENGINEER	
LANE CLOSURE WITH FLAGGERS	

ISSUED FOR PERMIT

DESIGNED IN ACCORDANCE WITH TITLE 49—PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPIC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.	 Interstate Power and Light Company (IP&L)
PREPARED BY: 28100 TORCH PARKWAY WARRENVILLE, IL 60555 TEL 630-353-4000 FAX 630-353-7777 WWW.ENENGINEERING.COM	GRINNELL HP LOOP EXTENSION TRAFFIC CONTROL PLANS
CITY: GRINNELL COUNTY: POWESHIEK	IOWA
DRAWN BY: DW CHECKED BY: JF PROJECT ENG: BB APPROVED BY: KM DATE ISSUED: 04/20/2020	SCALE: N.T.S. ENE#: 1910111.00 WR# 4181568
4 OF 4	

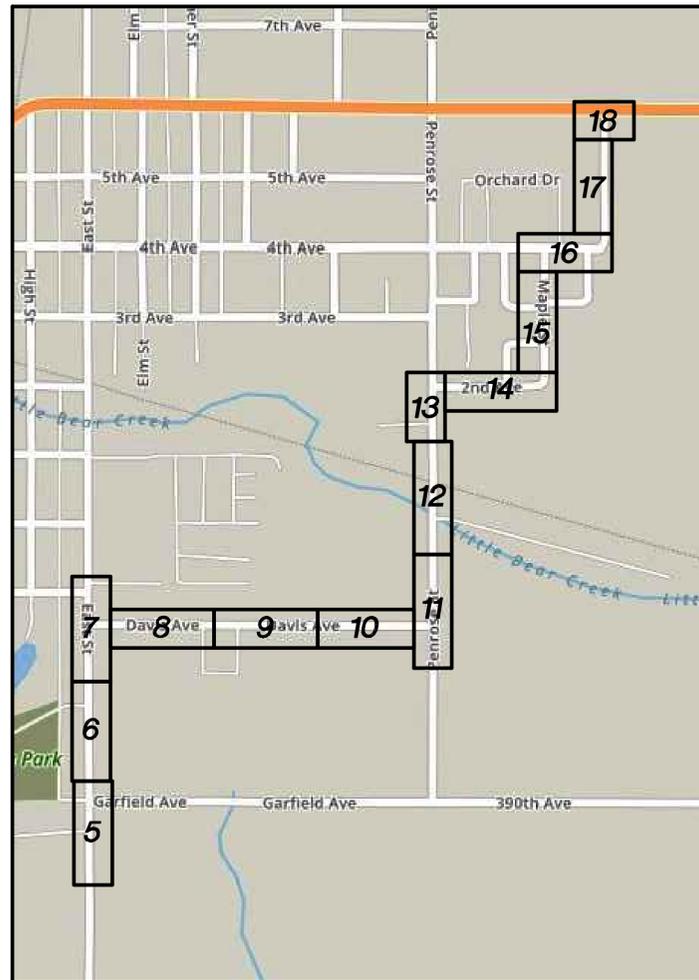


Interstate Power and Light Company (IP&L)

GRINNELL HP LOOP EXTENSION GRINNELL, IOWA ISSUED FOR 90% REVIEW

SCOPE OF WORK

-INSTALL 10,200' OF 4" STL MAIN



LOCATION MAP
(SCALE: NOT TO SCALE)

DRAWING INDEX	
SHEET NUMBER	DESCRIPTION
1	COVER SHEET & LOCATION MAP
2	INSTALLATION OVERVIEW
3	PROPERTY OWNERS – AUSTIN BROTHERS
4	PROPERTY OWNERS – CHIEF ALFA INC
5	INSTALLATION 1
6	INSTALLATION 2
7	INSTALLATION 3
8	INSTALLATION 4
9	INSTALLATION 5
10	INSTALLATION 6
11	INSTALLATION 7
12	INSTALLATION 8
13	INSTALLATION 9
14	INSTALLATION 10
15	INSTALLATION 11
16	INSTALLATION 12
17	INSTALLATION 13
18	INSTALLATION 14
19	INSTALLATION DETAILS
20	RESTORATION PLAN 1
21	RESTORATION PLAN 2
22	RESTORATION PLAN 3
23	RESTORATION PLAN 4
24	RESTORATION PLAN 5
25	RESTORATION PLAN 6
26	RESTORATION PLAN 7
27	RESTORATION PLAN 8

REV	DRAWN BY	DATE	REVISED	CHECKED BY	PROJECT ENG.	APPROVED BY
REVISIONS						

LEGEND		
	EXISTING PLASTIC (LP)	
	EXISTING PLASTIC (HP)	
	EXISTING STEEL (LP)	
	EXISTING STEEL (HP)	
	PROPOSED INSTALLATION	
	PROPOSED RETIREMENT	
	SERVICE TRANSFER	
	REGULATOR STATION	
	GAS SERVICE POINT	
	PROPOSED GAS SERVICE	
	ROB ROY RISER	
	PROPOSED EXCESS FLOW VALVE	
	PROPOSED LOCATE STATION	
	PROPOSED CATHODIC PROTECTION TEST STATION	
	PROPOSED ANODE	
	PROPOSED PIPE CHANGE	
	PROPOSED END CAP	
	PROPOSED VALVE	
	PROPOSED INSULATOR	
	EXISTING EXCESS FLOW VALVE	
	EXISTING LOCATE STATION	
	EXISTING CATHODIC PROTECTION TEST STATION	
	EXISTING ANODE	
	EXISTING PIPE CHANGE	
	EXISTING END CAP	
	EXISTING VALVE	
	EXISTING INSULATOR	

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTG GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
28100 TORCH PARKWAY
WARRENVILLE, IL 60555
TEL 630-353-4000
FAX 630-353-7777
WWW.ENENGINEERING.COM

Interstate Power and Light Company (IP&L)

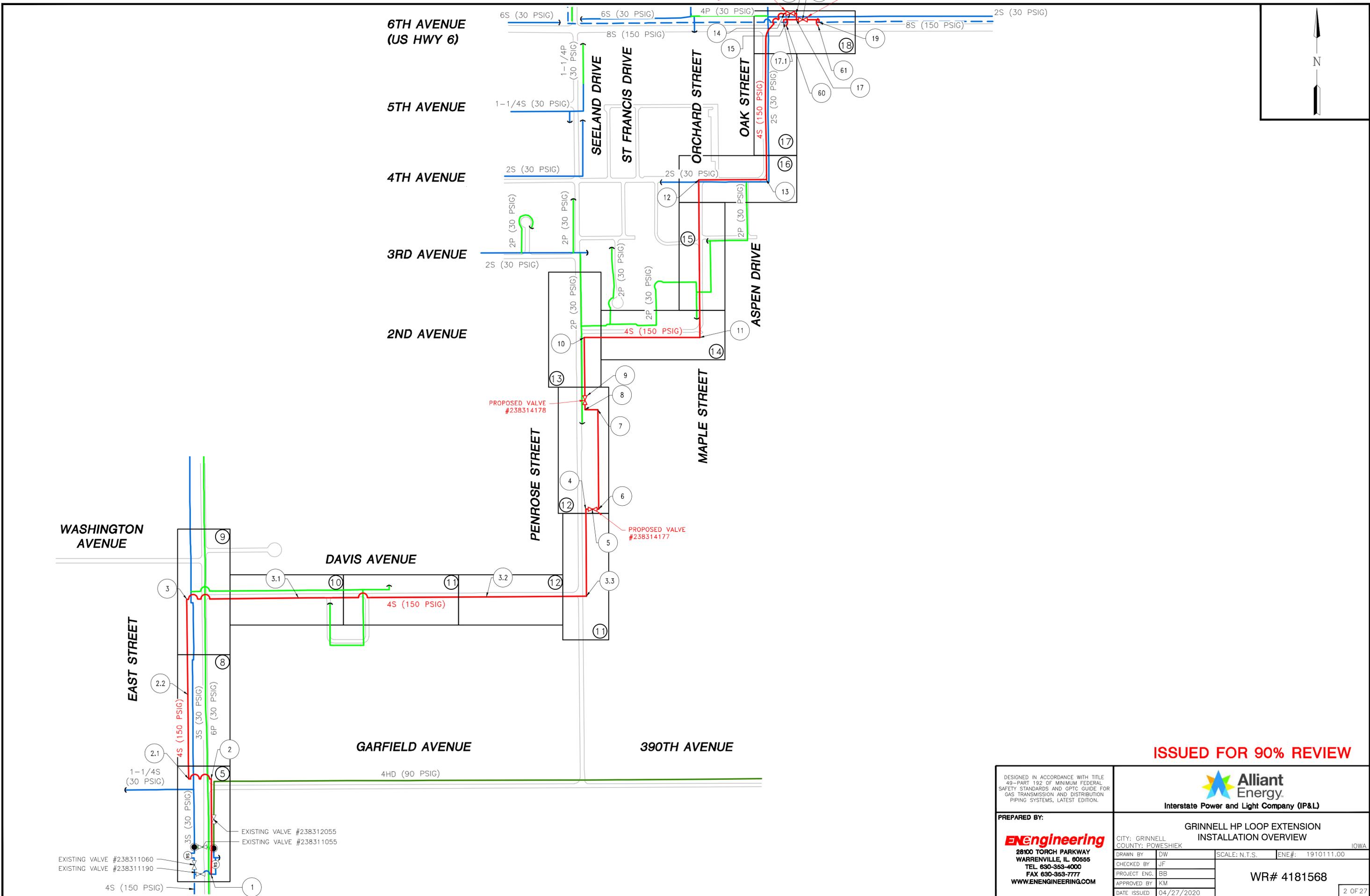
**GRINNELL HP LOOP EXTENSION
COVER SHEET & LOCATION MAP**

CITY: GRINNELL
COUNTY: POWESHIEK IOWA

DRAWN BY: DW	SCALE: N.T.S.	ENE#: 1910111.00
CHECKED BY: JF		
PROJECT ENG: BB		
APPROVED BY: KM		
DATE ISSUED: 04/27/2020		

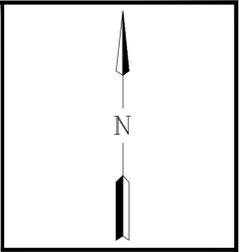
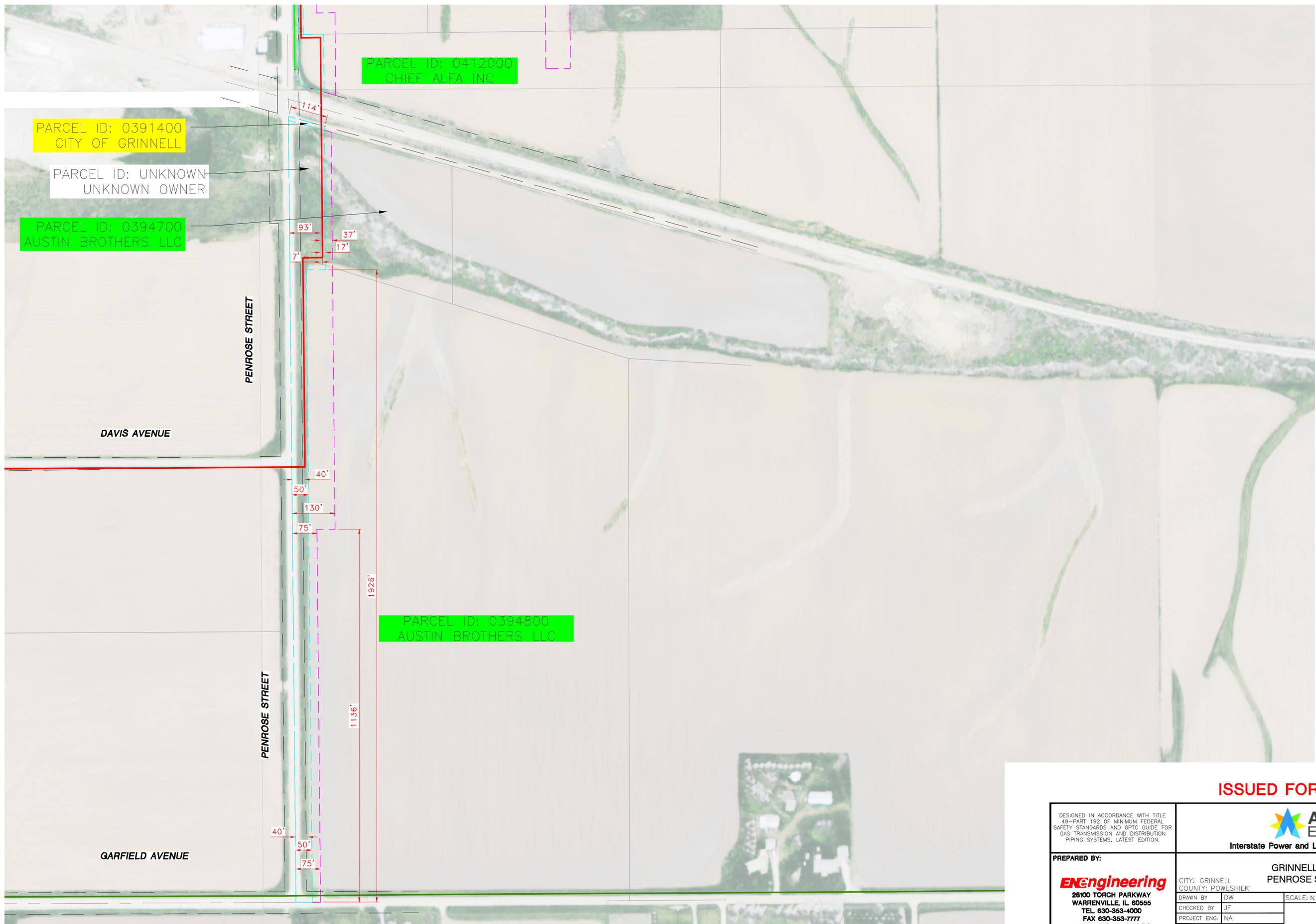
WR# 4181568

1 OF 27



ISSUED FOR 90% REVIEW

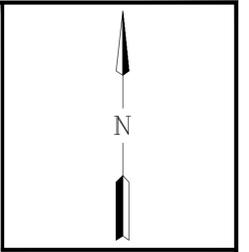
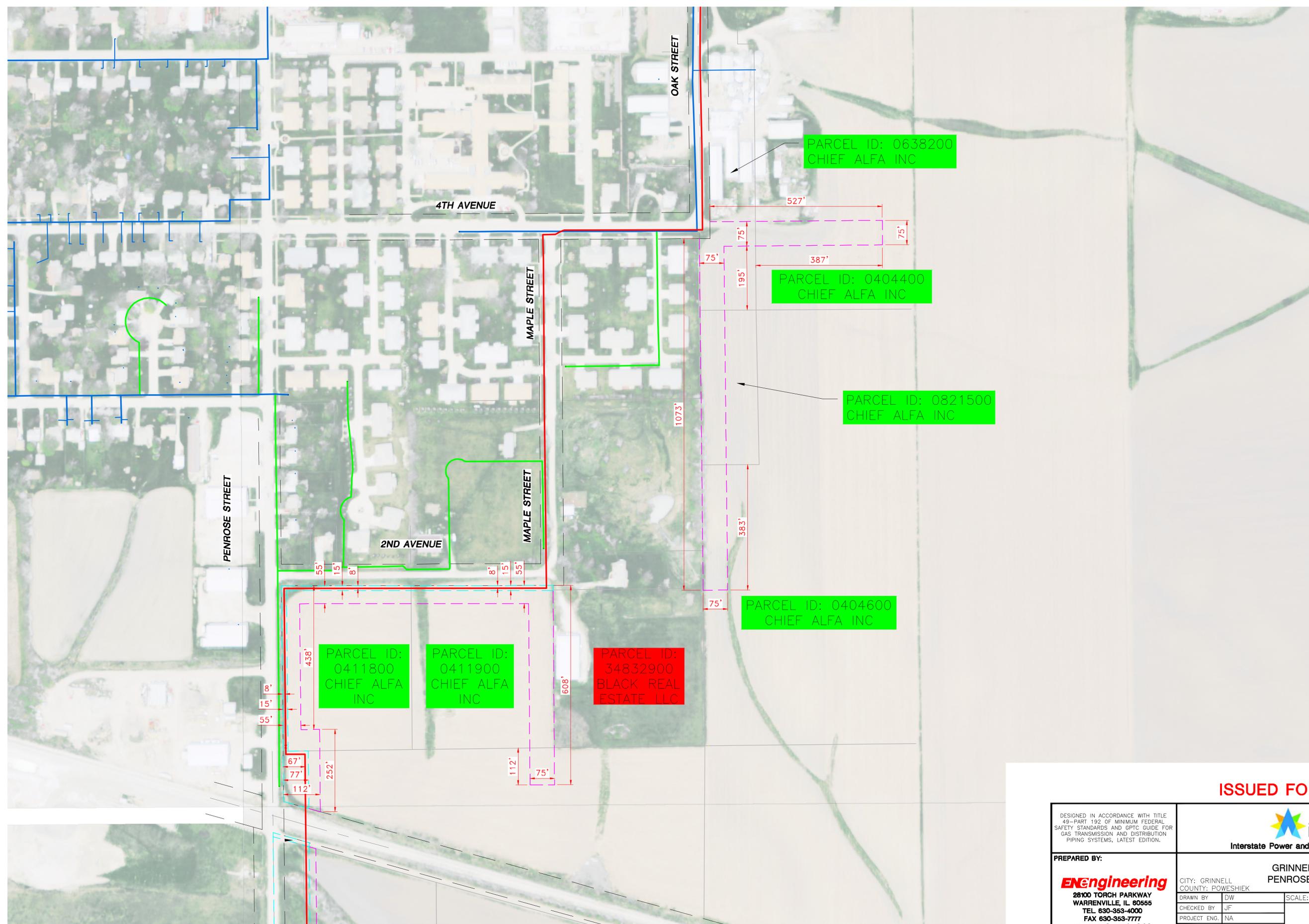
DESIGNED IN ACCORDANCE WITH TITLE 49—PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.		 Alliant Energy Interstate Power and Light Company (IP&L)	
PREPARED BY: ENEngineering 28100 TORCH PARKWAY WARRENVILLE, IL 60555 TEL 630-363-4000 FAX 630-363-7777 WWW.ENENGINEERING.COM		GRINNELL HP LOOP EXTENSION INSTALLATION OVERVIEW	
CITY: GRINNELL COUNTY: POWESHIEK IOWA		DRAWN BY: DW CHECKED BY: JF PROJECT ENG: BB APPROVED BY: KM DATE ISSUED: 04/27/2020	SCALE: N.T.S. ENE#: 1910111.00 WR# 4181568
			2 OF 27



PROPOSED TEMPORARY EASEMENT
 PROPOSED PERMANENT EASEMENT

ISSUED FOR 90% REVIEW

DESIGNED IN ACCORDANCE WITH TITLE 49—PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPIC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.		 Alliant Energy Interstate Power and Light Company (IP&L)	
PREPARED BY: ENEngineering 28100 TORCH PARKWAY WARRENVILLE, IL 60555 TEL 630-353-4000 FAX 630-353-7777 WWW.ENENGINEERING.COM		GRINNELL EASEMENTS PENROSE STREET 1 OF 2 CITY: GRINNELL COUNTY: POWESHIEK IOWA	
DRAWN BY: DW CHECKED BY: JF PROJECT ENG: NA APPROVED BY: NA DATE ISSUED: 04/27/2020	SCALE: N.T.S. ENE#: 1910111.00	WR# 4181568	
		5 OF 27	



PROPOSED TEMPORARY EASEMENT
 PROPOSED PERMANENT EASEMENT

ISSUED FOR 90% REVIEW

DESIGNED IN ACCORDANCE WITH TITLE 49—PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPIC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.		 Alliant Energy Interstate Power and Light Company (IP&L)	
PREPARED BY: ENEngineering 28100 TORCH PARKWAY WARRENVILLE, IL 60555 TEL 630-353-4000 FAX 630-353-7777 WWW.ENENGINEERING.COM		GRINNELL EASEMENTS PENROSE STREET 2 OF 2 <small>CITY: GRINNELL COUNTY: POWESHIEK IOWA</small>	
DRAWN BY: DW CHECKED BY: JF PROJECT ENG: NA APPROVED BY: NA DATE ISSUED: 04/27/2020	SCALE: N.T.S. ENE#: 1910111.00	WR# 4181568	
		<small>6 OF 27</small>	

PROPERTY OWNERS

PIPELINE STATIONING & HORIZONTAL ANGLE

ALIGNMENT PLAN VIEW

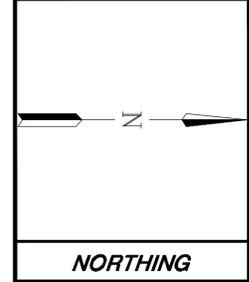
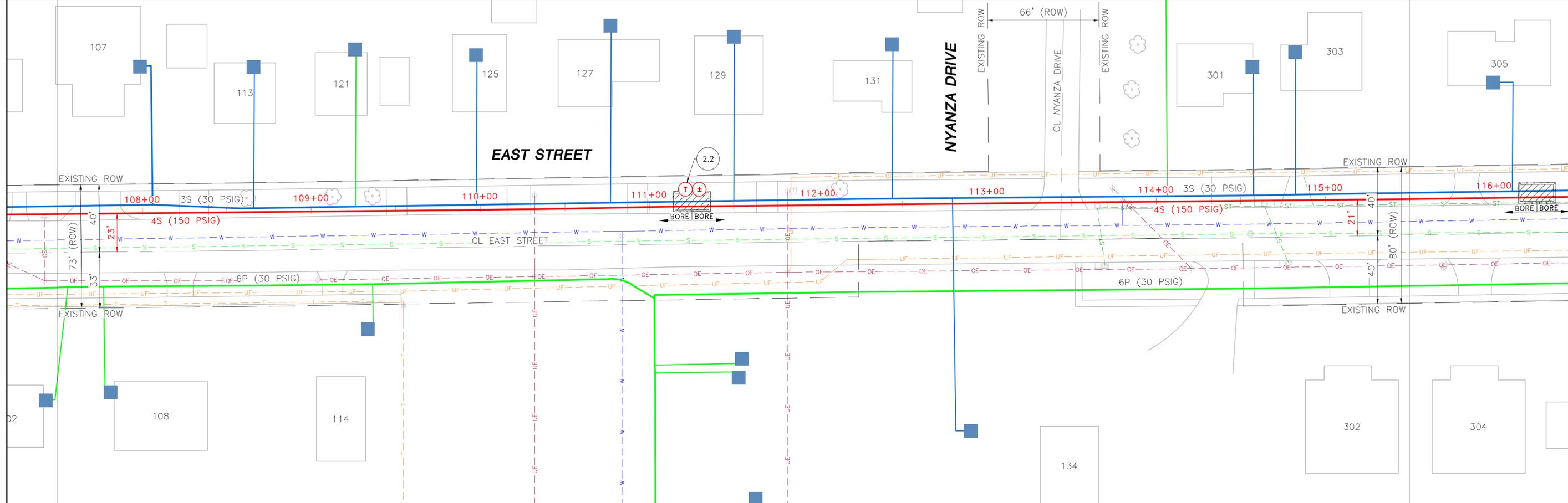
DETAIL

PIPE & COATING LENGTH

GRADE PROFILE SCALE: 1"=30' HORIZ. 1"=20' VERT.

MATCHLINE "AA" SHT #5 STA 107+50

MATCHLINE "BB" SHT #7 STA 115+50



NOTES

PIPE SUMMARY

A = FBE SINGLE COAT
 B = FBE DUAL COAT
 C = FBE & POWERCRETE

PIPE & COATING	LENGTH

REV	DRAWN BY	DATE	REVISED	CHECKED BY	PROJECT ENG.	APPROVED BY

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND OPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
 28100 TORCH PARKWAY
 WARRENVILLE, IL 60555
 TEL 630-363-4000
 FAX 630-363-7777
 WWW.ENENGINEERING.COM

Interstate Power and Light Company (IP&L)

GRINNELL HP LOOP EXTENSION
 INSTALLATION 2

CITY: GRINNELL COUNTY: POWESHIEK IOWA

DRAWN BY: DW	SCALE: 1"=30'	ENE#: 1910111.00
CHECKED BY: JF		
PROJECT ENG: BB		
APPROVED BY: KM		
DATE ISSUED: 04/27/2020		

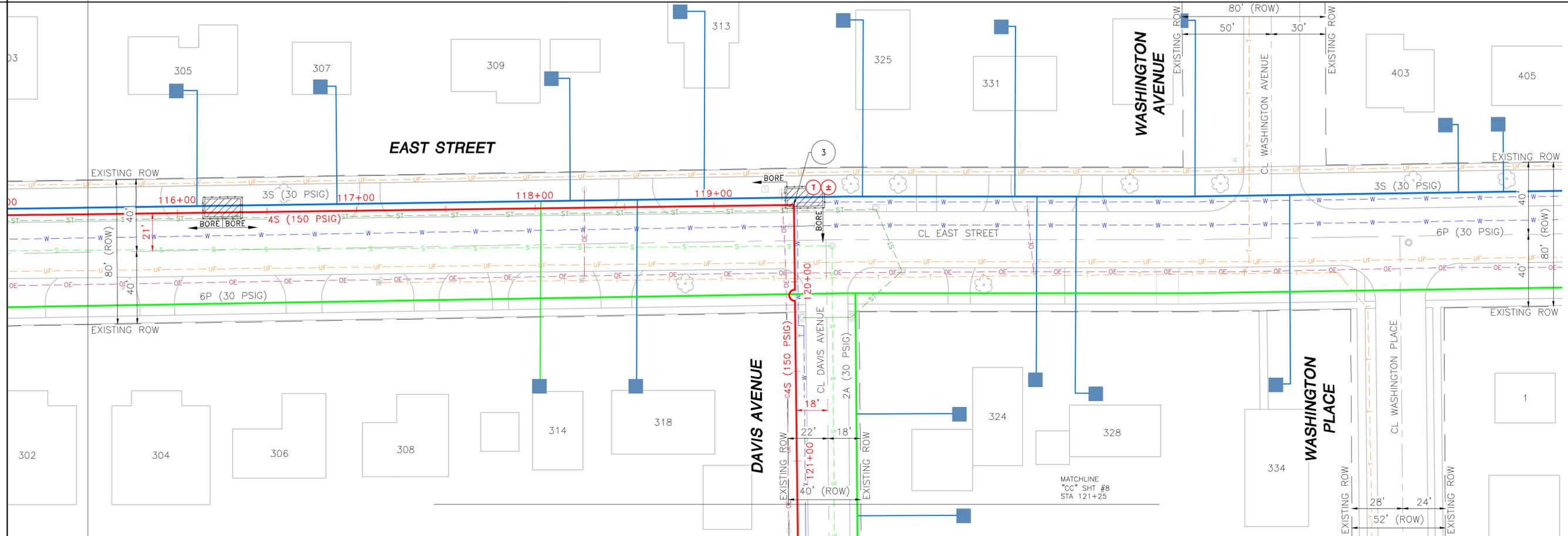
WR# 4181568

PROPERTY OWNERS

PIPELINE STATIONING & HORIZONTAL ANGLE

MATCHLINE
"BB" SHT #6
S/A 115+50

ALIGNMENT PLAN VIEW

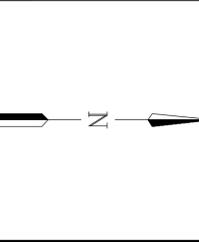


DETAIL

PIPE & COATING

LENGTH

GRADE PROFILE
SCALE: 1"=30' HORIZ. 1"=20' VERT.



NORTHING

NOTES

PIPE & COATING	LENGTH

PIPE SUMMARY
A = FBE SINGLE COAT
B = FBE DUAL COAT
C = FBE & POWERCRETE

COATING & WRAP	PIPE QUANTITIES	REVISIONS

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND OPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
28100 TORCH PARKWAY
WARRENVILLE, IL 60555
TEL 630-363-4000
FAX 630-363-7777
WWW.ENENGINEERING.COM

Alliant Energy
Interstate Power and Light Company (IP&L)

GRINNELL HP LOOP EXTENSION
INSTALLATION 3

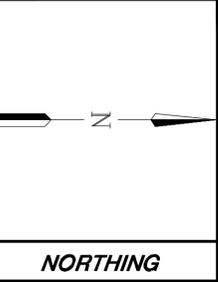
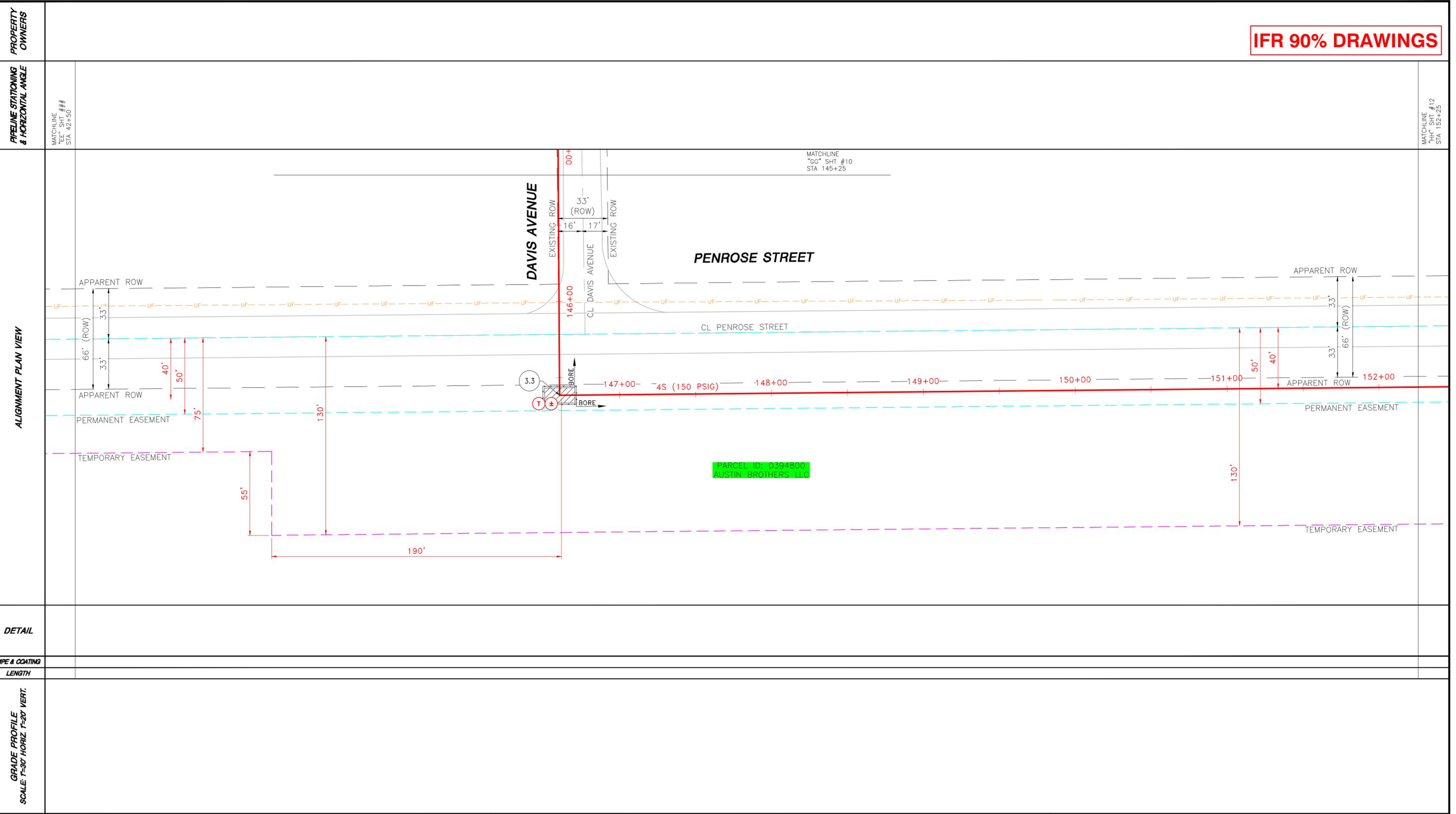
CITY: GRINNELL
COUNTY: POWESHIEK
IOWA

DRAWN BY: DW
SCALE: 1"=30'
ENR#: 1910111.00

CHECKED BY: JF
PROJECT ENG: BB

APPROVED BY: KM
DATE ISSUED: 04/27/2020

WR# 4181568



NOTES

PIPE SUMMARY

A = FBE SINGLE COAT
 B = FBE DUAL COAT
 C = FBE & POWERCRETE

PIPE & COATING	LENGTH

REV	DRAWN BY	DATE REVISED	CHECKED BY	PROJECT ENG.	APPROVED BY

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND OPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
 28100 TORCH PARKWAY
 WARRENVILLE, IL 60555
 TEL 630-363-4000
 FAX 630-363-7777
 WWW.ENENGINEERING.COM

Alliant Energy
 Interstate Power and Light Company (IP&L)

GRINNELL HP LOOP EXTENSION
 INSTALLATION 7

CITY: GRINNELL
 COUNTY: POWESHIEK IOWA

DRAWN BY: DW	SCALE: 1"=30'	ENE#: 1910111.00
CHECKED BY: JF		
PROJECT ENG: BB		
APPROVED BY: KM		
DATE ISSUED: 04/27/2020		

WR# 4181568

11 OF 27

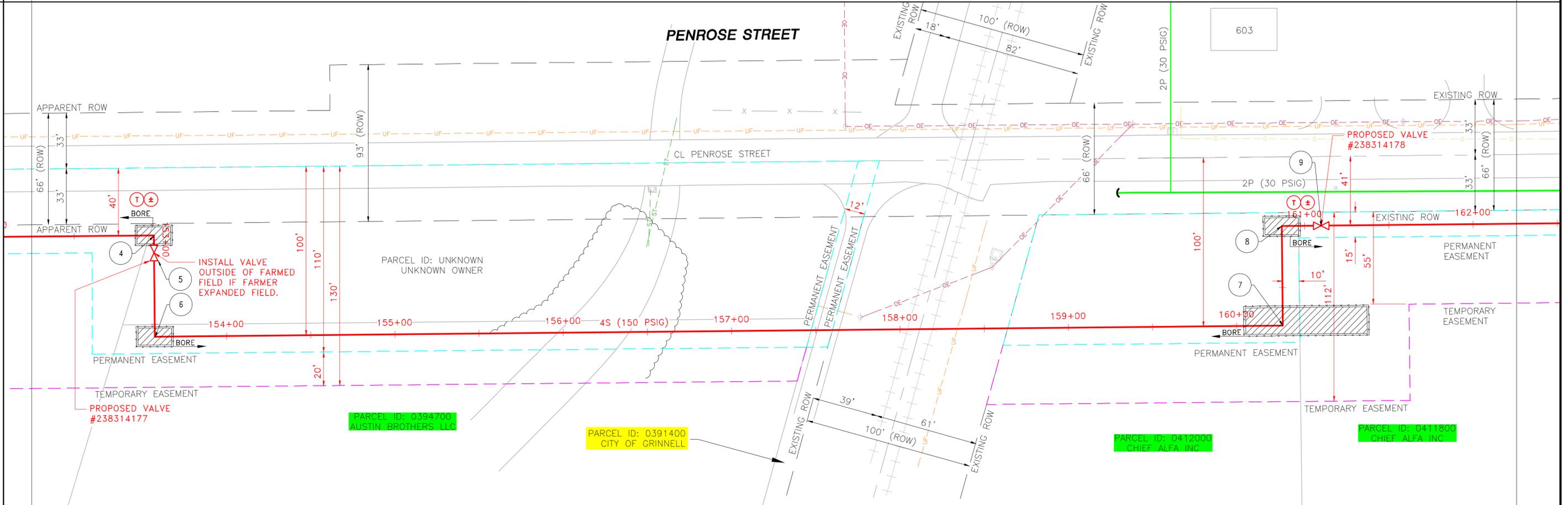
PROPERTY OWNERS

PIPELINE STATIONING & HORIZONTAL ANGLE

MATCHLINE "HH" SHT #11 STA 152+25

MATCHLINE "II" SHT #13 STA 162+25

ALIGNMENT PLAN VIEW



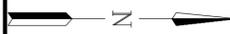
DETAIL

PIPE & COATING

LENGTH

GRADE PROFILE

SCALE: 1"=30' HORIZ. 1"=20' VERT.



NORTHING

NOTES

PIPE SUMMARY

- A = FBE SINGLE COAT
- B = FBE DUAL COAT
- C = FBE & POWERCRETE

COATING & WRAP

PIPE & COATING LENGTH

PIPE QUANTITIES

REV	DRAWN BY	DATE	REVISED	CHECKED BY	PROJECT ENG.	APPROVED BY
X						

REVISIONS

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND OPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
 28100 TORCH PARKWAY
 WARRENVILLE, IL 60555
 TEL 630-363-4000
 FAX 630-363-7777
 WWW.ENENGINEERING.COM



Interstate Power and Light Company (IP&L)

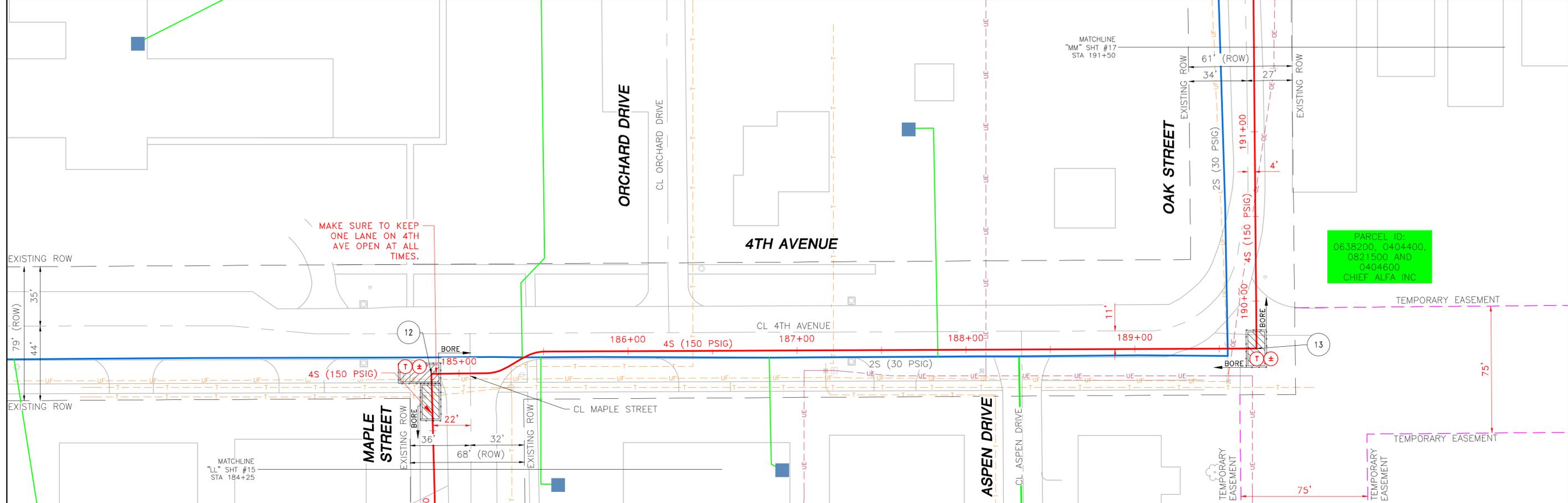
GRINNELL HP LOOP EXTENSION INSTALLATION 8

CITY: GRINNELL COUNTY: POWESHIEK IOWA		SCALE: 1"=30'	ENE#: 1910111.00
DRAWN BY: DW	CHECKED BY: JF	WR# 4181568	
PROJECT ENG: BB	APPROVED BY: KM		
DATE ISSUED: 04/27/2020			

PROPERTY OWNERS

PIPELINE STATIONING & HORIZONTAL ANGLE

ALIGNMENT PLAN VIEW

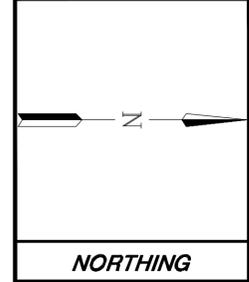


DETAIL

PIPE & COATING

LENGTH

GRADE PROFILE SCALE: 1"=30' HORIZ. 1"=20' VERT.



NOTES

PIPE SUMMARY

A = FBE SINGLE COAT
 B = FBE DUAL COAT
 C = FBE & POWERCRETE

COATING & WRAP

PIPE & COATING	LENGTH

PIPE QUANTITIES

REV	DRAWN BY	DATE	REVISED	CHECKED BY	PROJECT ENG.	APPROVED BY

REVISIONS

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND OPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
 28100 TORCH PARKWAY
 WARRENVILLE, IL 60555
 TEL 630-363-4000
 FAX 630-363-7777
 WWW.ENENGINEERING.COM

Alliant Energy
 Interstate Power and Light Company (IP&L)

GRINNELL HP LOOP EXTENSION
 INSTALLATION 12

CITY: GRINNELL COUNTY: POWESHIEK IOWA

DRAWN BY: DW	SCALE: 1"=30'	ENE#: 1910111.00
CHECKED BY: JF		
PROJECT ENG: BB		
APPROVED BY: KM		
DATE ISSUED: 04/27/2020		

WR# 4181568

16 OF 27

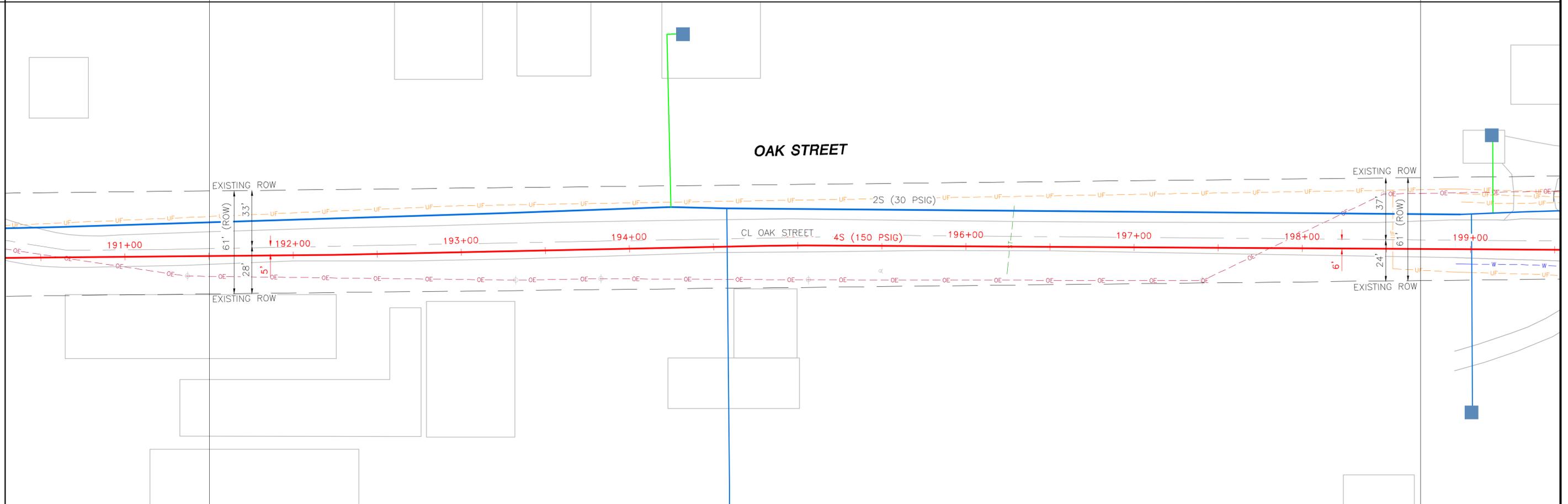
PROPERTY OWNERS

PIPELINE STATIONING & HORIZONTAL ANGLE

MATCHLINE
FROM SHEET #16
STA. 191+50

MATCHLINE
TO SHEET #18
STA. 199+75

ALIGNMENT PLAN VIEW

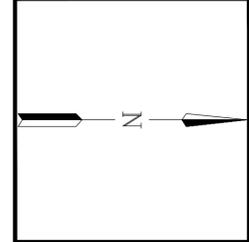


DETAIL

PIPE & COATING

LENGTH

GRADE PROFILE
SCALE: 1"=30' HORIZ. 1"=20' VERT.



NOTES

PIPE SUMMARY

A = FBE SINGLE COAT
B = FBE DUAL COAT
C = FBE & POWERCRETE

PIPE & COATING	LENGTH

REV	DRAWN BY	DATE	REVISED	CHECKED BY	PROJECT ENG.	APPROVED BY

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND OPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
28100 TORCH PARKWAY
WARRENVILLE, IL 60555
TEL 630-363-4000
FAX 630-363-7777
WWW.ENENGINEERING.COM

Alliant Energy
Interstate Power and Light Company (IP&L)

GRINNELL HP LOOP EXTENSION
INSTALLATION 13

CITY: GRINNELL
COUNTY: POWESHIEK IOWA

DRAWN BY: DW	SCALE: 1"=30'	ENE#: 1910111.00
CHECKED BY: JF		
PROJECT ENG: BB		
APPROVED BY: KM		
DATE ISSUED: 04/27/2020		

WR# 4181568

NORTHING

NOTES

COATING & WRAP

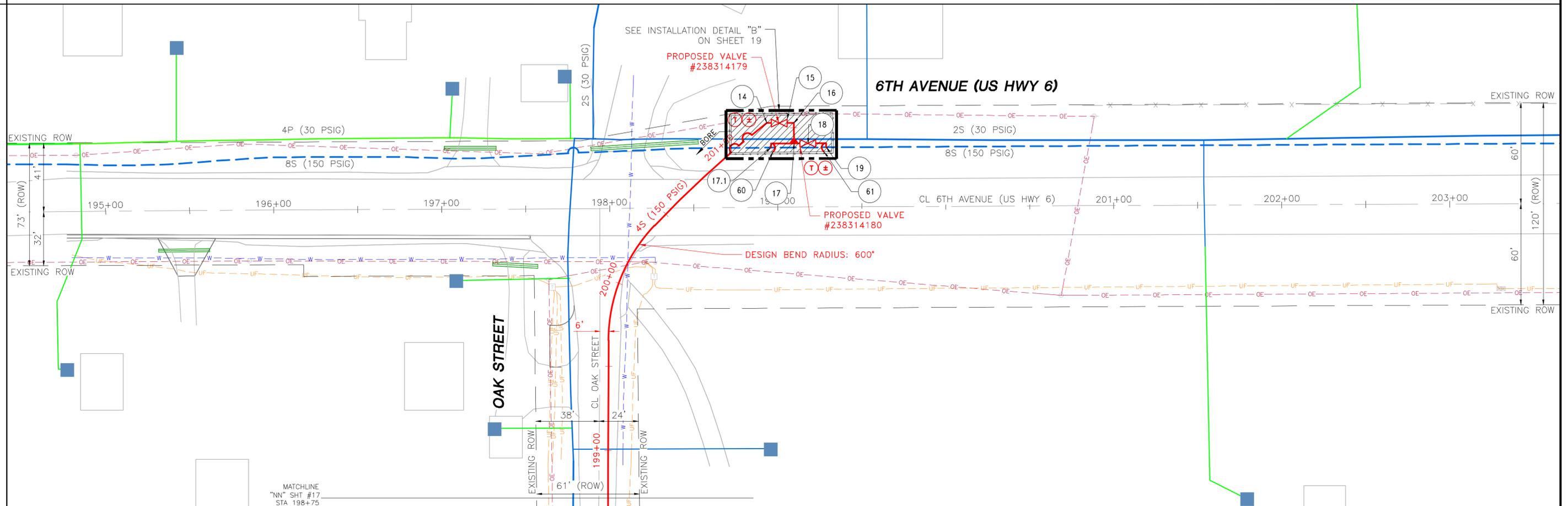
PIPE QUANTITIES

REVISIONS

PROPERTY OWNERS

PIPELINE STATIONING & HORIZONTAL ANGLE

ALIGNMENT PLAN VIEW

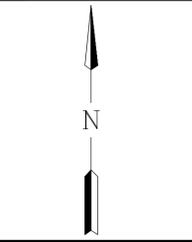


DETAIL

PIPE & COATING

LENGTH

GRADE PROFILE
SCALE: 1"=30' HORIZ. 1"=20' VERT.



NORTHING

NOTES

PIPE SUMMARY
A = FBE SINGLE COAT
B = FBE DUAL COAT
C = FBE & POWERCRETE

PIPE & COATING	LENGTH

REV	DRAWN BY	DATE	REVISED	CHECKED BY	PROJECT ENG.	APPROVED BY

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND OPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
28100 TORCH PARKWAY
WARRENVILLE, IL 60555
TEL 630-363-4000
FAX 630-363-7777
WWW.ENENGINEERING.COM



Alliant Energy
Interstate Power and Light Company (IP&L)

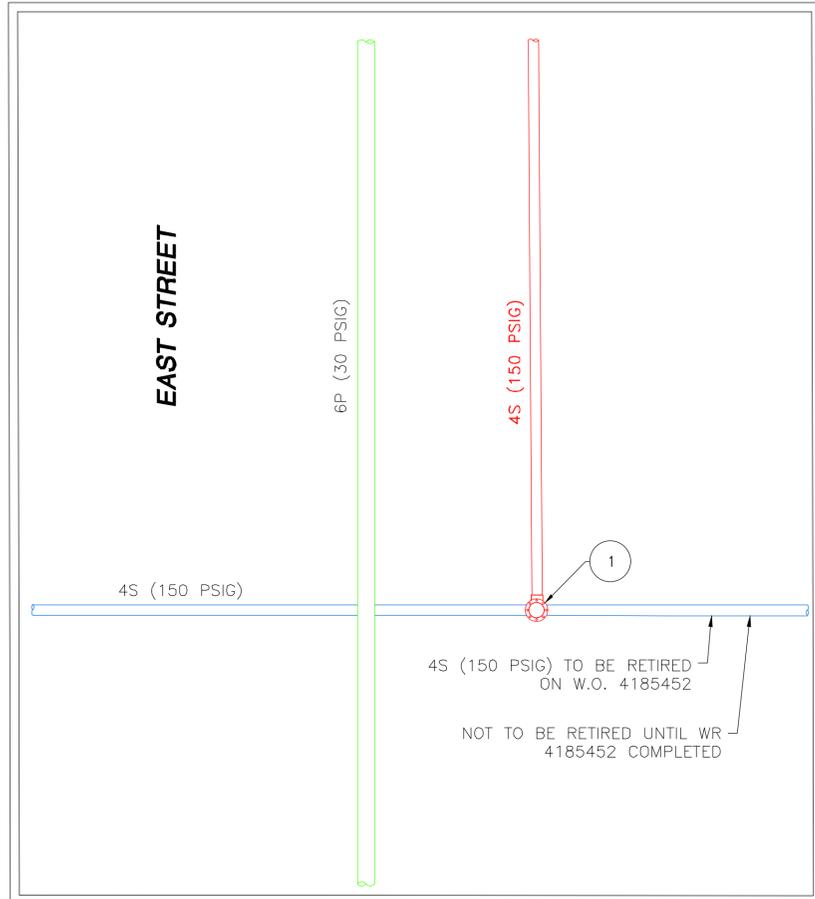
GRINNELL HP LOOP EXTENSION
INSTALLATION 14

CITY: GRINNELL
COUNTY: POWESHIEK
IOWA

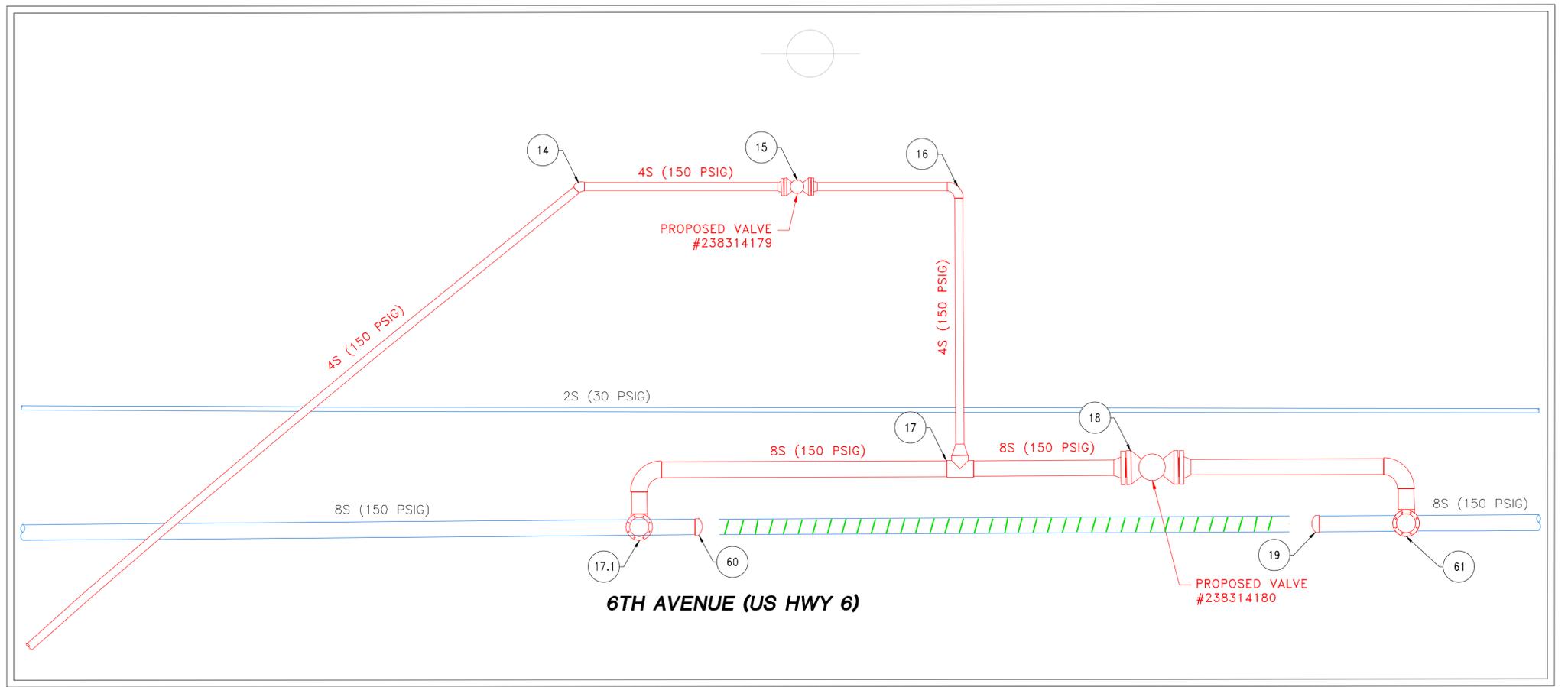
DRAWN BY: DW	SCALE: 1"=30'	ENE#: 1910111.00
CHECKED BY: JF		
PROJECT ENG: BB		
APPROVED BY: KM		
DATE ISSUED: 04/27/2020		

WR# 4181568

18 OF 27



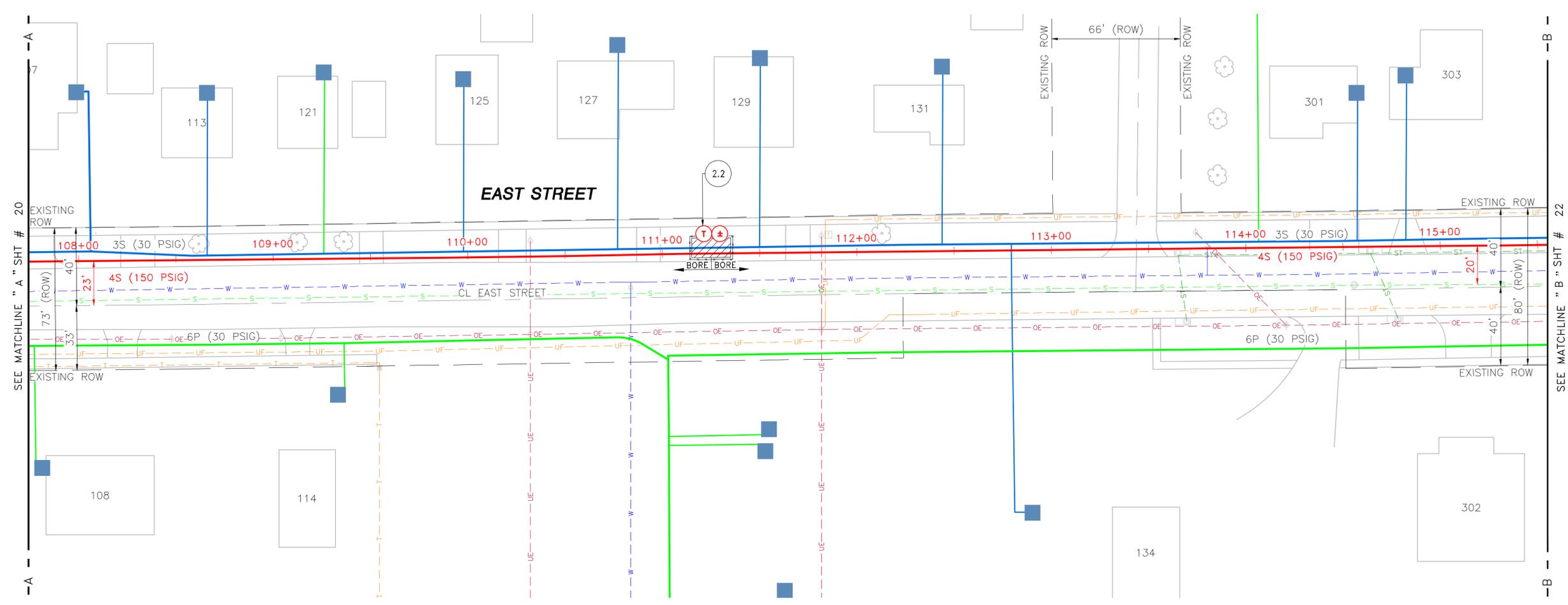
INSTALLATION DETAIL "A"
 (SCALE: 1"=3")
 (SEE SHT. 5 FOR PLAN VIEW)



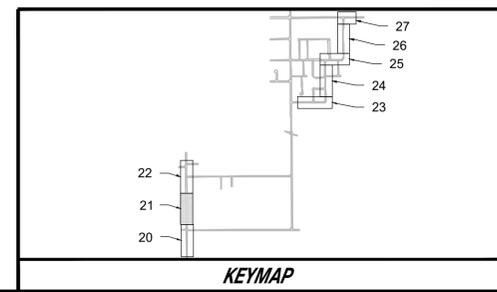
INSTALLATION DETAIL "B"
 (SCALE: 1"=3")
 (SEE SHT. 18 FOR PLAN VIEW)

ISSUED FOR 90% REVIEW

DESIGNED IN ACCORDANCE WITH TITLE 49—PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.		 Alliant Energy Interstate Power and Light Company (IP&L)	
PREPARED BY: ENEngineering 28100 TORCH PARKWAY WARRENVILLE, IL 60555 TEL 630-353-4000 FAX 630-353-7777 WWW.ENENGINEERING.COM		GRINNELL HP LOOP EXTENSION INSTALLATION DETAILS	
CITY: GRINNELL COUNTY: POWESHIEK IOWA		DRAWN BY: DW CHECKED BY: JF PROJECT ENG: BB APPROVED BY: KM DATE ISSUED: 04/27/2020	SCALE: N.T.S. ENE#: 1910111.00 WR# 4181568
			19 OF 27



**ISSUED FOR
90% REVIEW**



REV	DRAWN BY	DATE REVISED	CHECKED BY	PROJECT ENG.	APPROVED BY
	DW	08-23-2019	JF	BB	KM

REVISIONS

LEGEND	
EXISTING PLASTIC (LP)	PROPOSED EXCESS FLOW VALVE
EXISTING PLASTIC (HP)	PROPOSED LOCATE STATION
EXISTING STEEL (LP)	PROPOSED CATHODIC PROTECTION TEST STATION
EXISTING STEEL (HP)	PROPOSED ANODE
PROPOSED INSTALLATION	PROPOSED PIPE CHANGE
PROPOSED RETIREMENT	PROPOSED END CAP
SERVICE TRANSFER	PROPOSED VALVE
GAS SERVICE POINT	PROPOSED INSULATOR/TRANSITION
EXISTING LOCATE STATION	EXISTING INSULATOR/TRANSITION
EXISTING CATHODIC PROTECTION TEST STATION	EXISTING PIPE CHANGE
EXISTING ANODE	EXISTING END CAP
EXISTING PIPE CHANGE	EXISTING VALVE
EXISTING END CAP	EXISTING INSULATOR/TRANSITION

LEGEND

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPIC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
28100 TORCH PARKWAY
WARRENVILLE, IL 60555
TEL 630-353-4000
FAX 630-353-7777
WWW.ENENGINEERING.COM

Interstate Power and Light Company (IP&L)

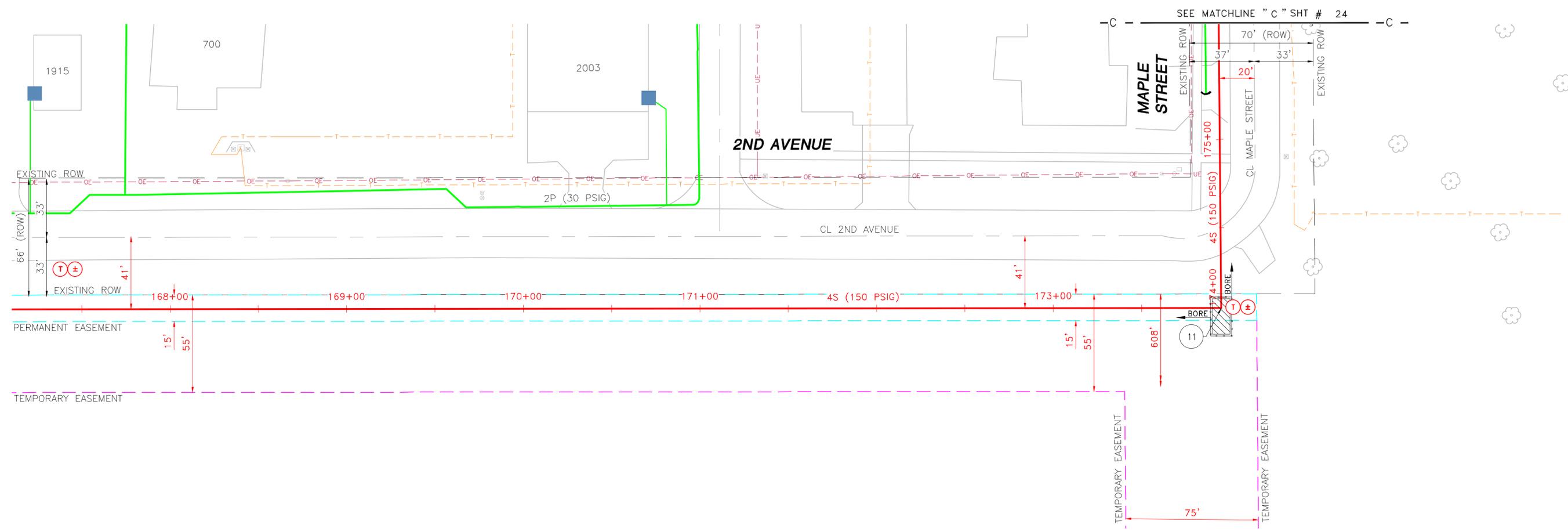
**GRINNELL HP LOOP EXTENSION
RESTORATION PLAN 2**

CITY: GRINNELL IOWA
COUNTY: POWESHIEK

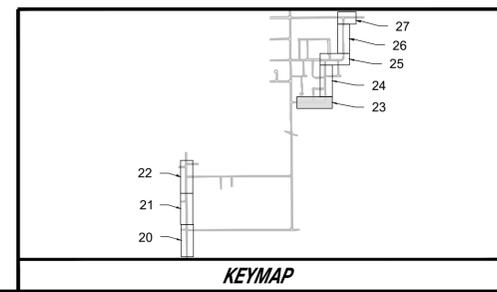
DRAWN BY	DW	SCALE: 1"=30'	ENE#: 1910111.00
CHECKED BY	JF		
PROJECT ENG.	ZA		
APPROVED BY	KM		
DATE ISSUED	04/27/2020		

WR#4181568

21 OF 27



**ISSUED FOR
90% REVIEW**



REV	DRAWN BY	DATE REVISED	CHECKED BY	PROJECT ENG.	APPROVED BY
	DW	08-23-2019	JF	BB	KM

REVISIONS

LEGEND	
EXISTING PLASTIC (LP)	PROPOSED EXCESS FLOW VALVE
EXISTING PLASTIC (HP)	PROPOSED LOCATE STATION
EXISTING STEEL (LP)	PROPOSED CATHODIC PROTECTION TEST STATION
EXISTING STEEL (HP)	PROPOSED ANODE
PROPOSED INSTALLATION	PROPOSED PIPE CHANGE
PROPOSED RETIREMENT	PROPOSED END CAP
SERVICE TRANSFER	PROPOSED VALVE
REGULATOR STATION	PROPOSED INSULATOR/TRANSITION
GAS SERVICE POINT	EXISTING INSULATOR/TRANSITION
EXISTING EXCESS FLOW VALVE	EXISTING LOCATE STATION
EXISTING CATHODIC PROTECTION TEST STATION	EXISTING ANODE
EXISTING PIPE CHANGE	EXISTING END CAP
EXISTING VALVE	EXISTING INSULATOR/TRANSITION

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPIC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
 28100 TORCH PARKWAY
 WARRENVILLE, IL 60565
 TEL 630-353-4000
 FAX 630-353-7777
 WWW.ENENGINEERING.COM

Alliant Energy
Interstate Power and Light Company (IP&L)

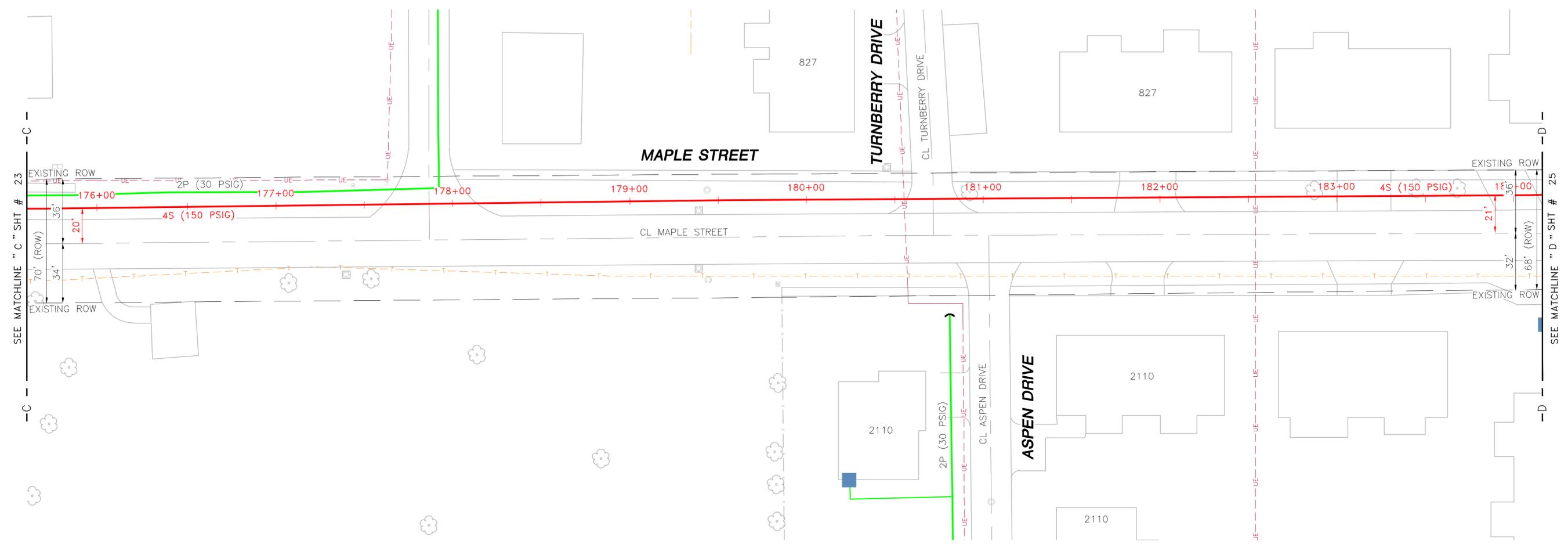
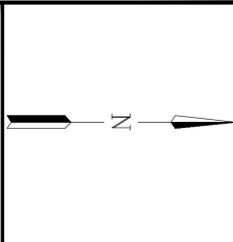
GRINNELL HP LOOP EXTENSION RESTORATION PLAN 4

CITY: GRINNELL COUNTY: POWESHIEK IOWA

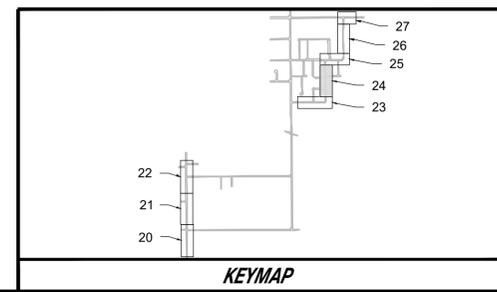
DRAWN BY	DW	SCALE: 1"=30'	ENE#: 1910111.00
CHECKED BY	JF	WR#4181568	
PROJECT ENG.	ZA		
APPROVED BY	KM		
DATE ISSUED	04/27/2020		

23 OF 27





**ISSUED FOR
90% REVIEW**



REV	DRAWN BY	DATE REVISED	CHECKED BY	PROJECT ENG.	APPROVED BY
	DW	08-23-2019	JF	BB	KM

LEGEND	
EXISTING PLASTIC (LP)	PROPOSED EXCESS FLOW VALVE
EXISTING PLASTIC (HP)	PROPOSED LOCATE STATION
EXISTING STEEL (LP)	PROPOSED CATHODIC PROTECTION TEST STATION
EXISTING STEEL (HP)	PROPOSED ANODE
PROPOSED INSTALLATION	PROPOSED PIPE CHANGE
PROPOSED RETIREMENT	PROPOSED END CAP
SERVICE TRANSFER	PROPOSED VALVE
REGULATOR STATION	PROPOSED INSULATOR/TRANSITION
GAS SERVICE POINT	EXISTING INSULATOR/TRANSITION
EXISTING EXCESS FLOW VALVE	EXISTING LOCATE STATION
EXISTING CATHODIC PROTECTION TEST STATION	EXISTING CATHODIC PROTECTION TEST STATION
EXISTING ANODE	EXISTING ANODE
EXISTING PIPE CHANGE	EXISTING PIPE CHANGE
EXISTING END CAP	EXISTING END CAP
EXISTING VALVE	EXISTING VALVE
EXISTING INSULATOR/TRANSITION	EXISTING INSULATOR/TRANSITION

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPIC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
 28100 TORCH PARKWAY
 WARRENVILLE, IL 60555
 TEL 630-353-4000
 FAX 630-353-7777
 WWW.ENENGINEERING.COM

Alliant Energy
 Interstate Power and Light Company (IP&L)

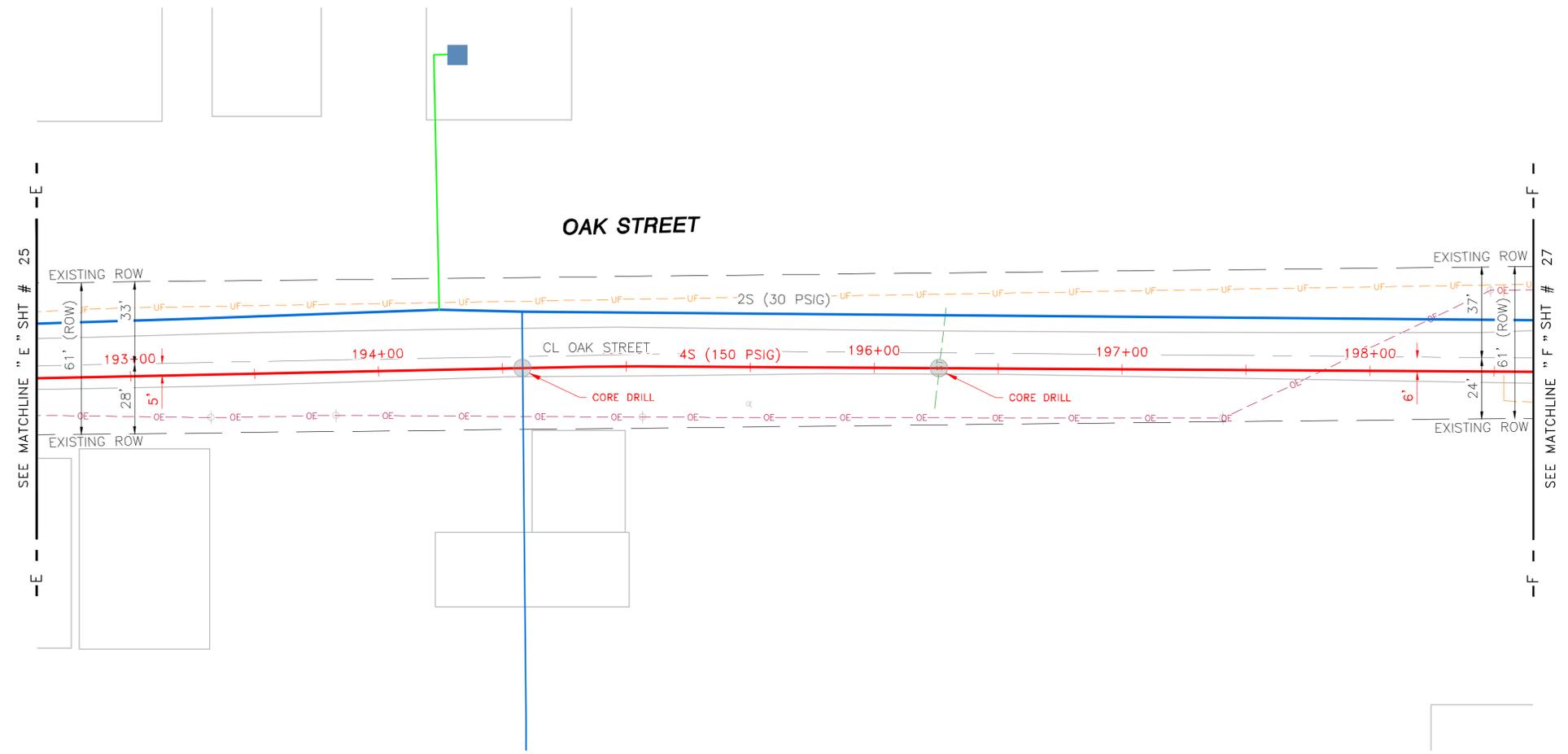
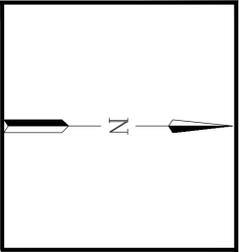
**GRINNELL HP LOOP EXTENSION
 RESTORATION PLAN 5**

CITY: GRINNELL IOWA
 COUNTY: POWESHIEK

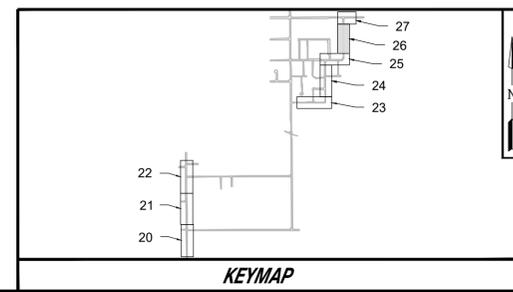
DRAWN BY	DW	SCALE: 1"=30'	ENE#: 1910111.00
CHECKED BY	JF		
PROJECT ENG.	ZA		
APPROVED BY	KM		
DATE ISSUED	04/27/2020		

WR#4181568

24 OF 27



**ISSUED FOR
90% REVIEW**



REV	DRAWN BY	DATE REVISED	CHECKED BY	PROJECT ENG.	APPROVED BY
	DW	08-23-2019	JF	BB	KM

LEGEND	
— (Green)	EXISTING PLASTIC (LP)
— (Blue)	EXISTING PLASTIC (HP)
— (Blue)	EXISTING STEEL (LP)
— (Blue)	EXISTING STEEL (HP)
— (Red)	PROPOSED INSTALLATION
— (Blue)	PROPOSED RETIREMENT
— (Red)	SERVICE TRANSFER
— (Blue)	REGULATOR STATION
■ (Blue)	GAS SERVICE POINT
— (Red)	PROPOSED EXCESS FLOW VALVE
— (Red)	PROPOSED LOCATE STATION
— (Red)	PROPOSED CATHODIC PROTECTION TEST STATION
— (Red)	PROPOSED ANODE
— (Red)	PROPOSED PIPE CHANGE
— (Red)	PROPOSED END CAP
— (Red)	PROPOSED VALVE
— (Red)	PROPOSED INSULATOR/TRANSITION
— (Blue)	EXISTING EXCESS FLOW VALVE
— (Blue)	EXISTING LOCATE STATION
— (Blue)	EXISTING CATHODIC PROTECTION TEST STATION
— (Blue)	EXISTING ANODE
— (Blue)	EXISTING PIPE CHANGE
— (Blue)	EXISTING END CAP
— (Blue)	EXISTING VALVE
— (Blue)	EXISTING INSULATOR/TRANSITION

DESIGNED IN ACCORDANCE WITH TITLE 49—PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
 28100 TORCH PARKWAY
 WARRENVILLE, IL 60555
 TEL 630-353-4000
 FAX 630-353-7777
 WWW.ENENGINEERING.COM

Alliant Energy
 Interstate Power and Light Company (IP&L)

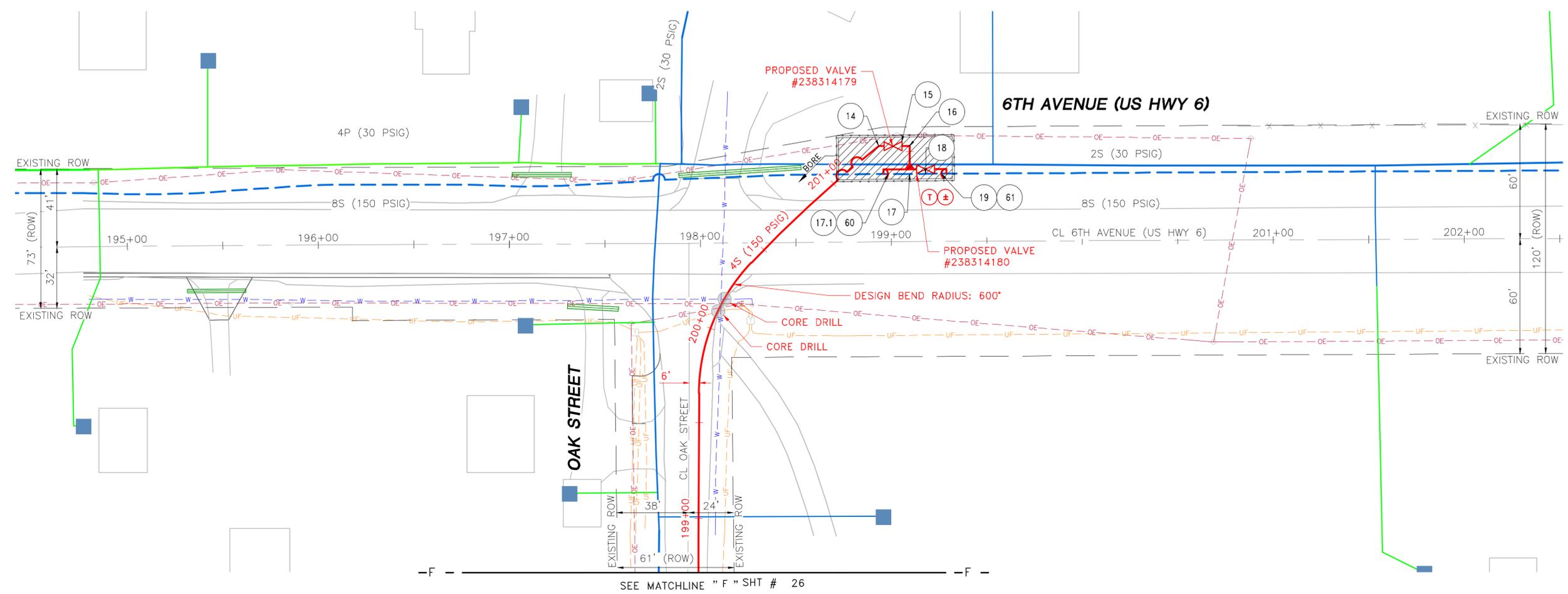
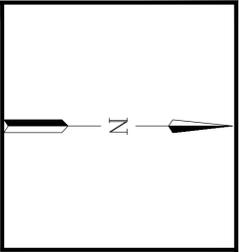
**GRINNELL HP LOOP EXTENSION
 RESTORATION PLAN 7**

CITY: GRINNELL IOWA
 COUNTY: POWESHIEK

DRAWN BY	DW	SCALE: 1"=30'	ENE#: 1910111.00
CHECKED BY	JF		
PROJECT ENG.	ZA		
APPROVED BY	KM		
DATE ISSUED	04/27/2020		

WR#4181568

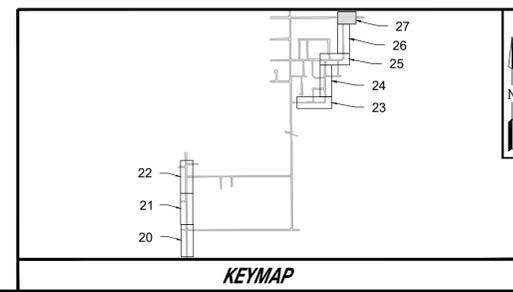
28 OF 27



SEE MATCHLINE "F" SHT # 26



**ISSUED FOR
90% REVIEW**



REV	DW	08-23-2019	JF	BB	KM
	DRAWN BY	DATE REVISED	CHECKED BY	PROJECT ENG.	APPROVED BY

REVISIONS

EXISTING PLASTIC (LP)	EXISTING PLASTIC (HP)	EXISTING STEEL (LP)	EXISTING STEEL (HP)	PROPOSED INSTALLATION	PROPOSED RETIREMENT	SERVICE TRANSFER	REGULATOR STATION	GAS SERVICE POINT	PROPOSED EXCESS FLOW VALVE	PROPOSED LOCATE STATION	PROPOSED CATHODIC PROTECTION TEST STATION	PROPOSED ANODE	PROPOSED PIPE CHANGE	PROPOSED END CAP	PROPOSED VALVE	PROPOSED INSULATOR/TRANSITION	EXISTING EXCESS FLOW VALVE	EXISTING LOCATE STATION	EXISTING CATHODIC PROTECTION TEST STATION	EXISTING ANODE	EXISTING PIPE CHANGE	EXISTING END CAP	EXISTING VALVE	EXISTING INSULATOR/TRANSITION
—	—	—	—	—	—	—	⊙	■	⊂	⊙	⊕	⊕	●	—	⊂	⊂	⊂	⊂	⊙	⊕	⊕	●	—	⊂

LEGEND

DESIGNED IN ACCORDANCE WITH TITLE 49—PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
28100 TORCH PARKWAY
WARRENVILLE, IL 60555
TEL 630-353-4000
FAX 630-353-7777
WWW.ENENGINEERING.COM

Alliant Energy
 Interstate Power and Light Company (IP&L)

**GRINNELL HP LOOP EXTENSION
RESTORATION PLAN 8**

CITY: GRINNELL IOWA
 COUNTY: POWESHIEK

DRAWN BY	DW	SCALE: 1"=30'	ENE#: 1910111.00
CHECKED BY	JF		
PROJECT ENG.	ZA		
APPROVED BY	KM		
DATE ISSUED	04/27/2020		

WR#4181568

27 OF 27



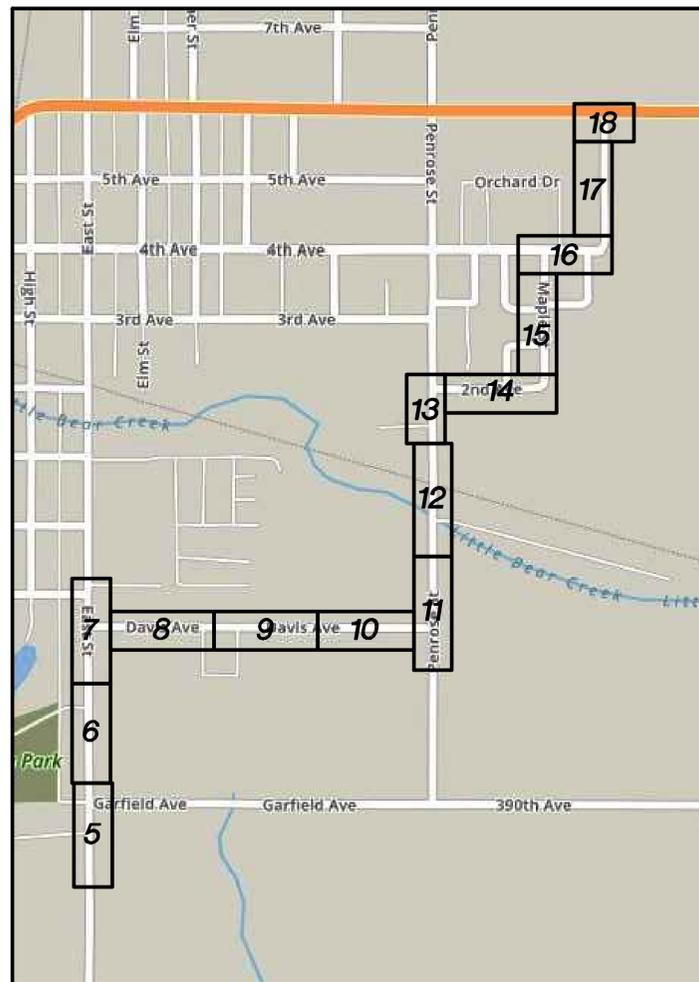
Interstate Power and Light Company (IP&L)

GRINNELL HP LOOP EXTENSION GRINNELL, IOWA ISSUED FOR REVISION 1

SCOPE OF WORK

-INSTALL 10,200' OF 4" STL MAIN

NOTE: THE CITY OF GRINNELL REQUIRES 5 FEET OF SEPARATION BETWEEN ALL OTHER UTILITIES.



LOCATION MAP
(SCALE: NOT TO SCALE)

DRAWING INDEX	
SHEET NUMBER	DESCRIPTION
1	COVER SHEET & LOCATION MAP
2	INSTALLATION OVERVIEW
3	PROPERTY OWNERS – AUSTIN BROTHERS
4	PROPERTY OWNERS – CHIEF ALFA INC
5	INSTALLATION 1
6	INSTALLATION 2
7	INSTALLATION 3
8	INSTALLATION 4
9	INSTALLATION 5
10	INSTALLATION 6
11	INSTALLATION 7
12	INSTALLATION 8
13	INSTALLATION 9
14	INSTALLATION 10
15	INSTALLATION 11
16	INSTALLATION 12
17	INSTALLATION 13
18	INSTALLATION 14
19	INSTALLATION DETAILS
20	RESTORATION PLAN 1
21	RESTORATION PLAN 2
22	RESTORATION PLAN 3
23	RESTORATION PLAN 4
24	RESTORATION PLAN 5
25	RESTORATION PLAN 6
26	RESTORATION PLAN 7
27	RESTORATION PLAN 8

REV	DRAWN BY	DATE	REVISION	CHECKED BY	PROJECT ENG.	APPROVED BY
1	BB	05-13-20	JF	BB	JF	
<p>◇ UPDATED RUNNING LINE PER CONCERNS FROM THE CITY</p>						
REVISIONS						

LEGEND		
	EXISTING PLASTIC (LP)	
	EXISTING PLASTIC (HP)	
	EXISTING STEEL (LP)	
	EXISTING STEEL (HP)	
	PROPOSED INSTALLATION	
	PROPOSED RETIREMENT	
	SERVICE TRANSFER	
	REGULATOR STATION	
	GAS SERVICE POINT	
	PROPOSED GAS SERVICE	
	ROB ROY RISER	
	PROPOSED EXCESS FLOW VALVE	
	PROPOSED LOCATE STATION	
	PROPOSED CATHODIC PROTECTION TEST STATION	
	PROPOSED ANODE	
	PROPOSED PIPE CHANGE	
	PROPOSED END CAP	
	PROPOSED VALVE	
	PROPOSED INSULATOR	
	EXISTING EXCESS FLOW VALVE	
	EXISTING LOCATE STATION	
	EXISTING CATHODIC PROTECTION TEST STATION	
	EXISTING ANODE	
	EXISTING PIPE CHANGE	
	EXISTING END CAP	
	EXISTING VALVE	
	EXISTING INSULATOR	

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTG GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
28100 TORCH PARKWAY
WARRENVILLE, IL 60555
TEL 630-353-4000
FAX 630-353-7777
WWW.ENENGINEERING.COM

Interstate Power and Light Company (IP&L)

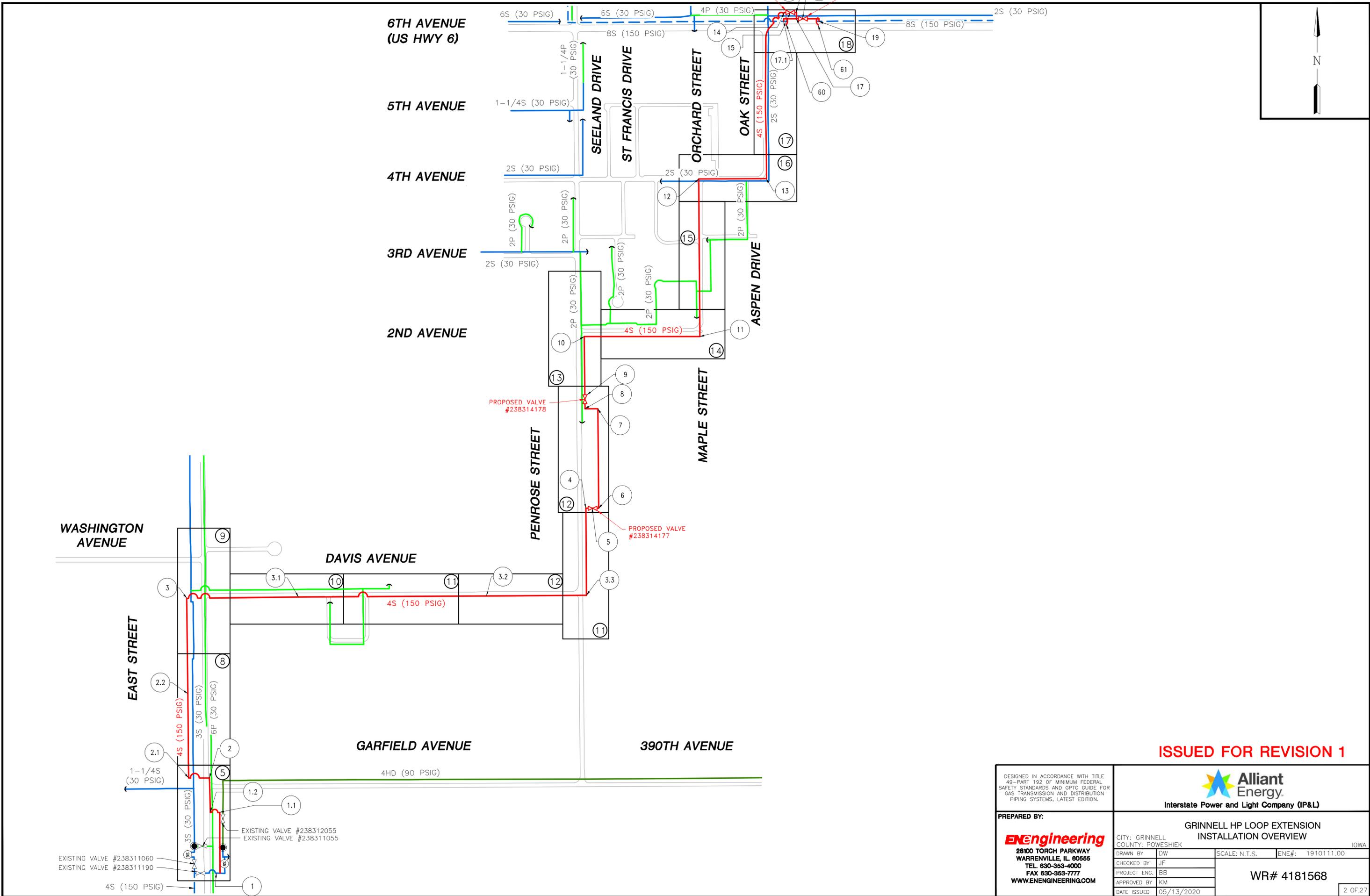
**GRINNELL HP LOOP EXTENSION
COVER SHEET & LOCATION MAP**

CITY: GRINNELL
COUNTY: POWESHIEK IOWA

DRAWN BY: DW	SCALE: N.T.S.	ENE#: 1910111.00
CHECKED BY: JF		
PROJECT ENG: BB		
APPROVED BY: KM		
DATE ISSUED: 05/13/2020		

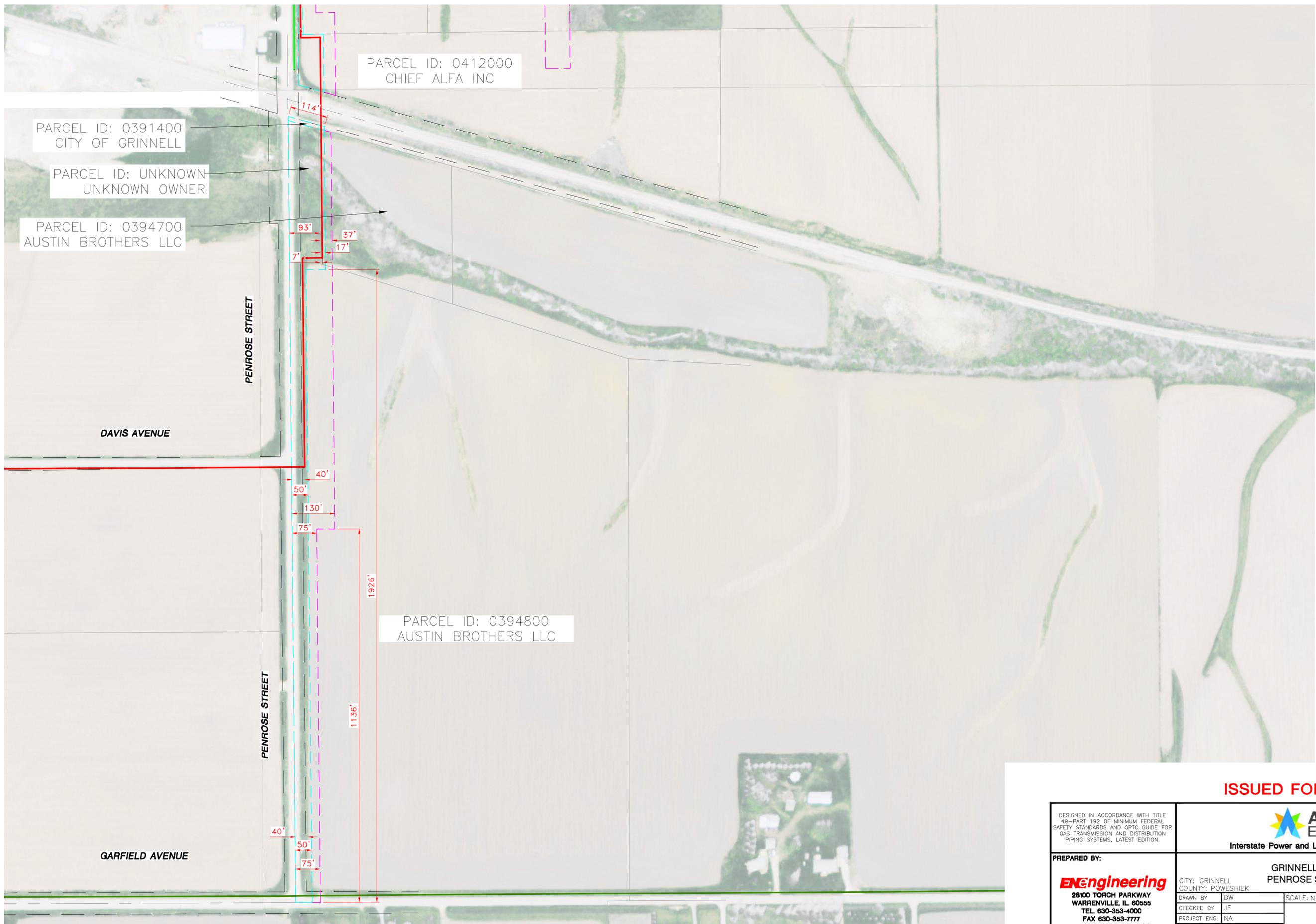
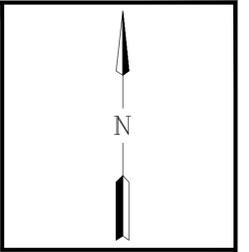
WR# 4181568

1 OF 27



ISSUED FOR REVISION 1

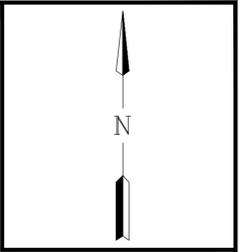
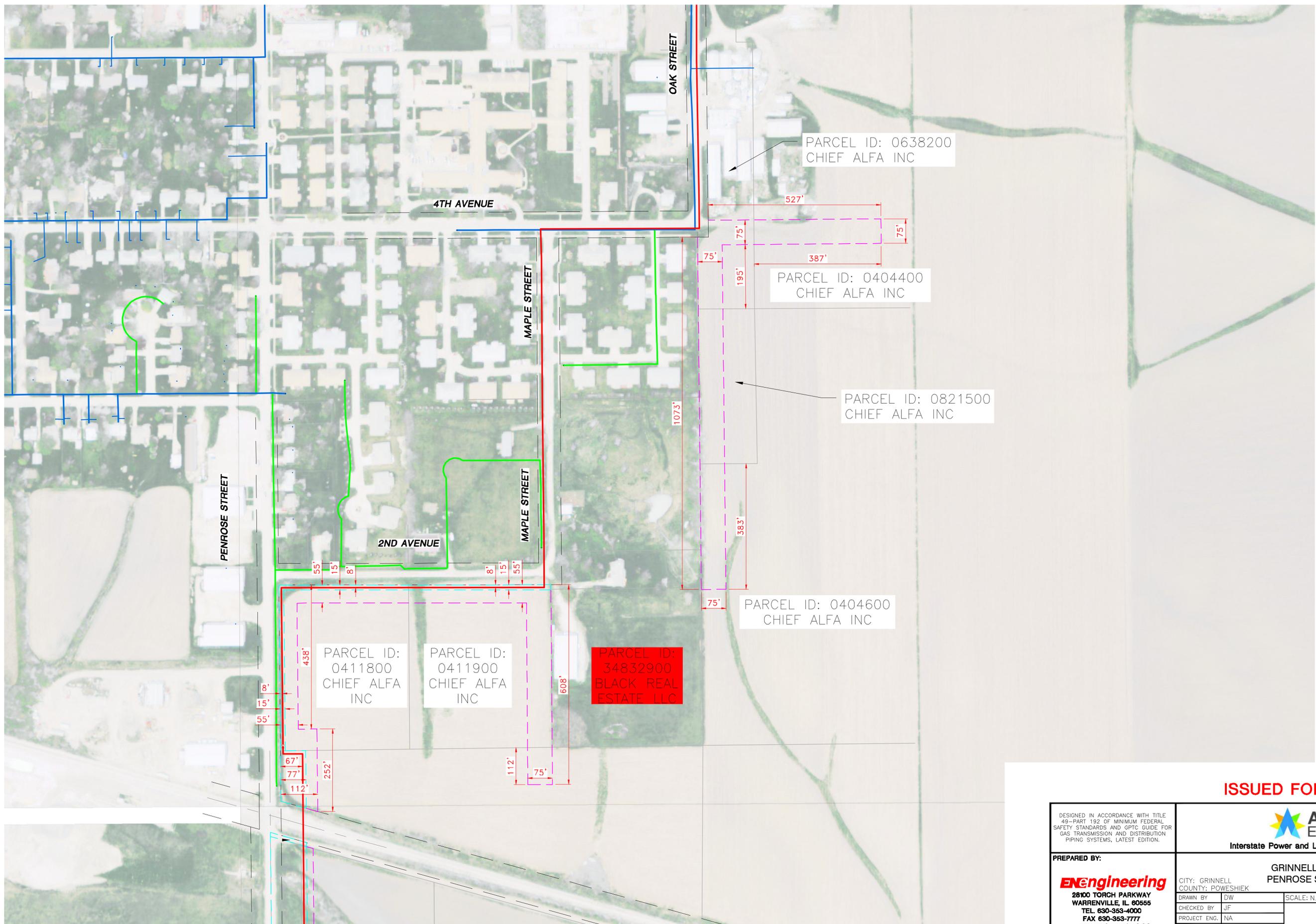
DESIGNED IN ACCORDANCE WITH TITLE 49—PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.		 Alliant Energy Interstate Power and Light Company (IP&L)	
PREPARED BY: ENEngineering 28100 TORCH PARKWAY WARRENVILLE, IL 60555 TEL. 630-363-4000 FAX 630-363-7777 WWW.ENENGINEERING.COM		GRINNELL HP LOOP EXTENSION INSTALLATION OVERVIEW	
CITY: GRINNELL COUNTY: POWESHIEK IOWA		DRAWN BY: DW CHECKED BY: JF PROJECT ENG: BB APPROVED BY: KM DATE ISSUED: 05/13/2020	SCALE: N.T.S. ENE#: 1910111.00 WR# 4181568 2 OF 27



PROPOSED TEMPORARY EASEMENT
 PROPOSED PERMANENT EASEMENT

ISSUED FOR REVISION 1

DESIGNED IN ACCORDANCE WITH TITLE 49—PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.		 Alliant Energy Interstate Power and Light Company (IP&L)	
PREPARED BY: ENEngineering 28100 TORCH PARKWAY WARRENVILLE, IL 60555 TEL. 630-353-4000 FAX 630-353-7777 WWW.ENENGINEERING.COM		GRINNELL EASEMENTS PENROSE STREET 1 OF 2 CITY: GRINNELL COUNTY: POWESHIEK IOWA	
DRAWN BY: DW CHECKED BY: JF PROJECT ENG.: NA APPROVED BY: NA DATE ISSUED: 05/13/2020	SCALE: N.T.S. ENE#: 1910111.00	WR# 4181568	
			3 OF 27



PROPOSED TEMPORARY EASEMENT
 PROPOSED PERMANENT EASEMENT

ISSUED FOR REVISION 1

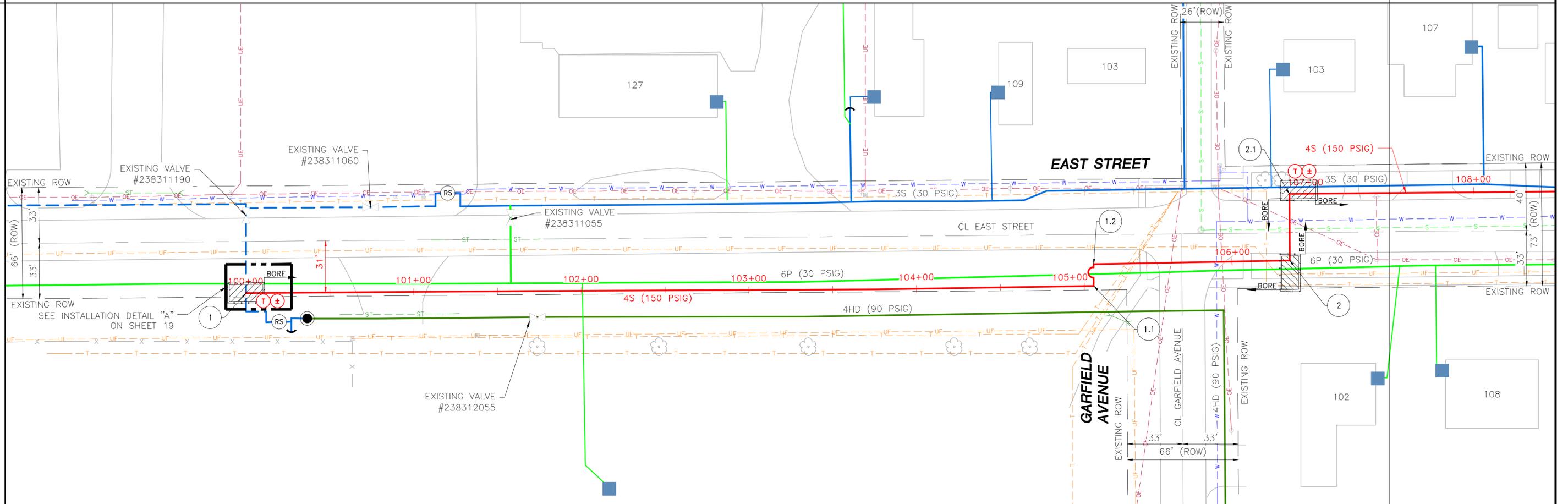
DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.	 Alliant Energy Interstate Power and Light Company (IP&L)	
	GRINNELL EASEMENTS PENROSE STREET 2 OF 2	
PREPARED BY: ENEngineering 28100 TORCH PARKWAY WARRENVILLE, IL 60555 TEL. 630-363-4000 FAX 630-363-7777 WWW.ENENGINEERING.COM	CITY: GRINNELL COUNTY: POWESHIEK	SCALE: N.T.S. ENE#: 1910111.00
DRAWN BY: DW CHECKED BY: JF PROJECT ENG.: NA APPROVED BY: NA DATE ISSUED: 05/13/2020	WR# 4181568	
		4 OF 27

ISSUED FOR REVISION 1

PROPERTY OWNERS

PIPELINE STATIONING & HORIZONTAL ANGLE

ALIGNMENT PLAN VIEW

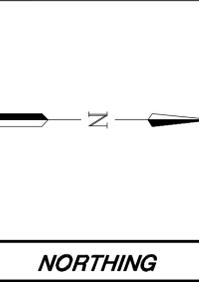


MATCHLINE
FROM SHEET #6
STA 107+00

DETAIL

PIPE & COATING

LENGTH



NOTES

PIPE SUMMARY

A = FBE SINGLE COAT
B = FBE DUAL COAT
C = FBE & POWERCRETE

PIPE & COATING	LENGTH

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND OPTIC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
28100 TORCH PARKWAY
WARRENVILLE, IL 60555
TEL 630-363-4000
FAX 630-363-7777
WWW.ENENGINEERING.COM

REV	DRAWN BY	DATE	REVISED	CHECKED BY	PROJECT ENG.	APPROVED BY

Interstate Power and Light Company (IP&L)

GRINNELL HP LOOP EXTENSION
INSTALLATION 1

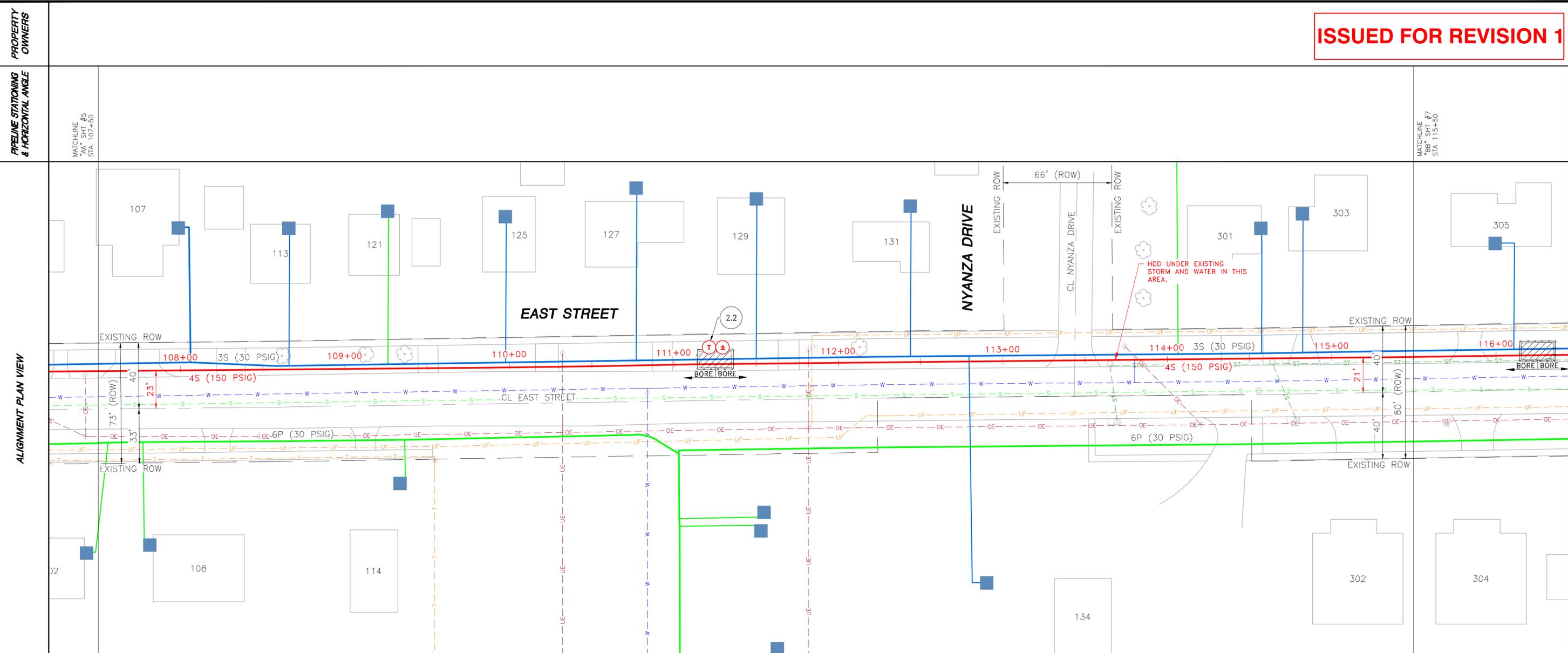
CITY: GRINNELL
COUNTY: POWESHIEK IOWA

DRAWN BY: DW	SCALE: 1"=30'	ENE#: 1910111.00
CHECKED BY: JF		
PROJECT ENG: BB		
APPROVED BY: KM		
DATE ISSUED: 05/13/2020		

WR# 4181568

5 OF 27

ISSUED FOR REVISION 1



DETAIL

PIPE & COATING
LENGTH

GRADE PROFILE SCALE: 1"=30' HORIZ. 1"=20' VERT.

	NOTES	COATING & WRAP	PIPE QUANTITIES	REVISIONS	DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND OPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.	 Interstate Power and Light Company (IP&L)
					PREPARED BY: ENengineering 28100 TORCH PARKWAY WARRENVILLE, IL 60555 TEL 630-363-4000 FAX 630-363-7777 WWW.ENENGINEERING.COM	
NORTHING						WR# 4181568

PROPERTY OWNERS

PIPELINE STATIONING & HORIZONTAL ANGLE

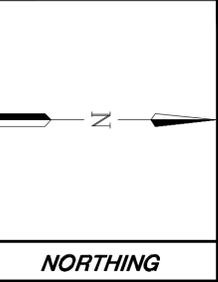
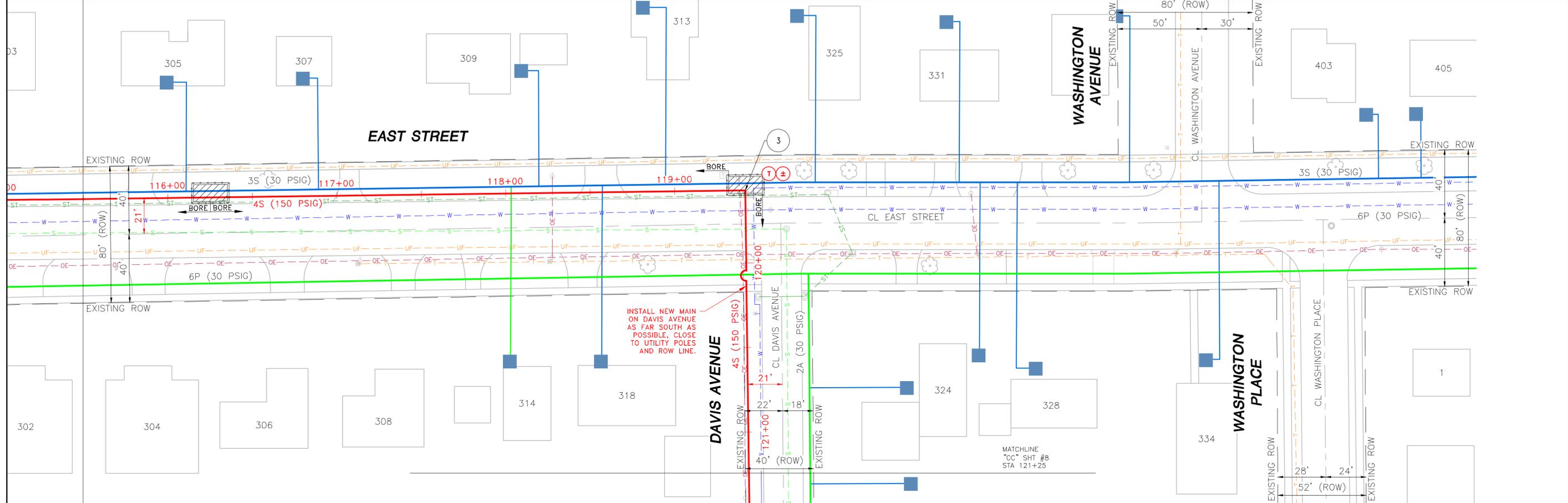
ALIGNMENT PLAN VIEW

DETAIL

PIPE & COATING

LENGTH

GRADE PROFILE
SCALE: 1"=30' HORIZ. 1"=20' VERT.



NOTES

PIPE SUMMARY

A = FBE SINGLE COAT
B = FBE DUAL COAT
C = FBE & POWERCRETE

PIPE & COATING	LENGTH

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND OPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
28100 TORCH PARKWAY
WARRENVILLE, IL 60555
TEL 630-363-4000
FAX 630-363-7777
WWW.ENENGINEERING.COM

REV	DRAWN BY	DATE	REVISED	CHECKED BY	PROJECT ENG.	APPROVED BY

UPDATED RUNNING LINE PER CONCERNS FROM THE CITY

ENEngineering
28100 TORCH PARKWAY
WARRENVILLE, IL 60555
TEL 630-363-4000
FAX 630-363-7777
WWW.ENENGINEERING.COM

Interstate Power and Light Company (IP&L)

**GRINNELL HP LOOP EXTENSION
INSTALLATION 3**

CITY: GRINNELL
COUNTY: POWESHIEK
IOWA

DRAWN BY	DW	SCALE: 1"=30'	ENE#: 1910111.00
CHECKED BY	JF		
PROJECT ENG.	BB		
APPROVED BY	KM		
DATE ISSUED	05/13/2020		

WR# 4181568

7 OF 27

ISSUED FOR REVISION 1

PROPERTY OWNERS

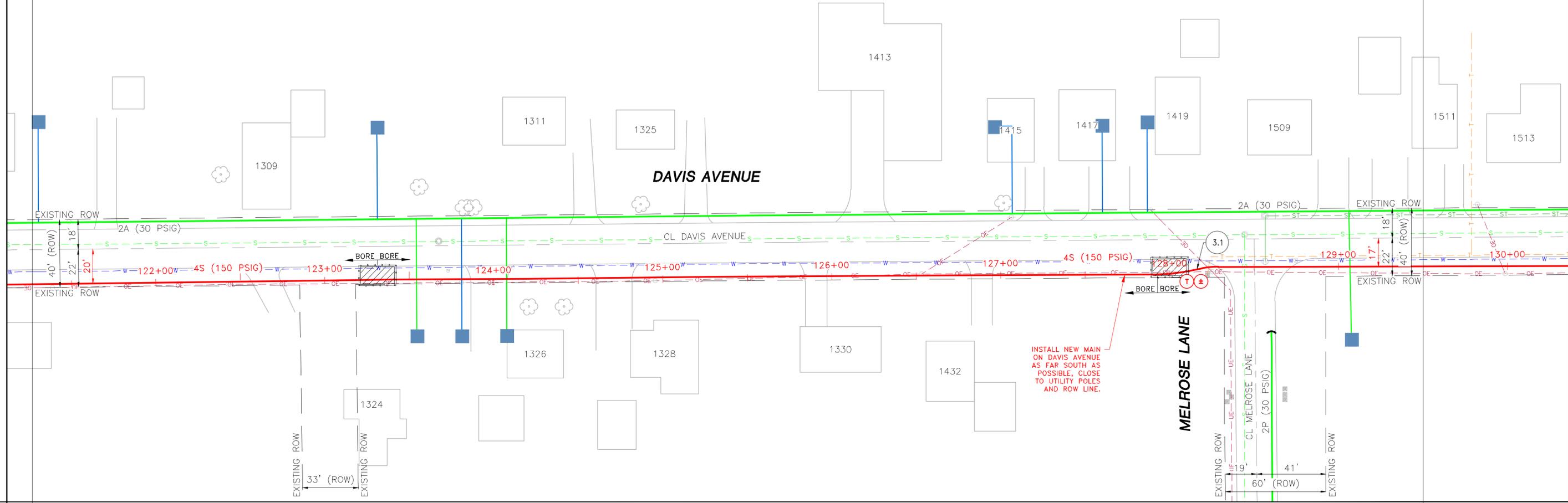
PIPELINE STATIONING & HORIZONTAL ANGLE

ALIGNMENT PLAN VIEW

DETAIL

PIPE & COATING LENGTH

GRADE PROFILE SCALE: 1"=30' HORIZ. 1"=20' VERT.



<p>NORTHING</p>	<p>NOTES</p>	<p>PIPE SUMMARY</p> <p>A = FBE SINGLE COAT B = FBE DUAL COAT C = FBE & POWERCRETE</p>	<p>PIPE & COATING</p>	<p>LENGTH</p>	<p>DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND OPTIC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.</p>	<p>Interstate Power and Light Company (IP&L)</p>
			<p>COATING & WRAP</p>	<p>PIPE QUANTITIES</p>		

ISSUED FOR REVISION 1

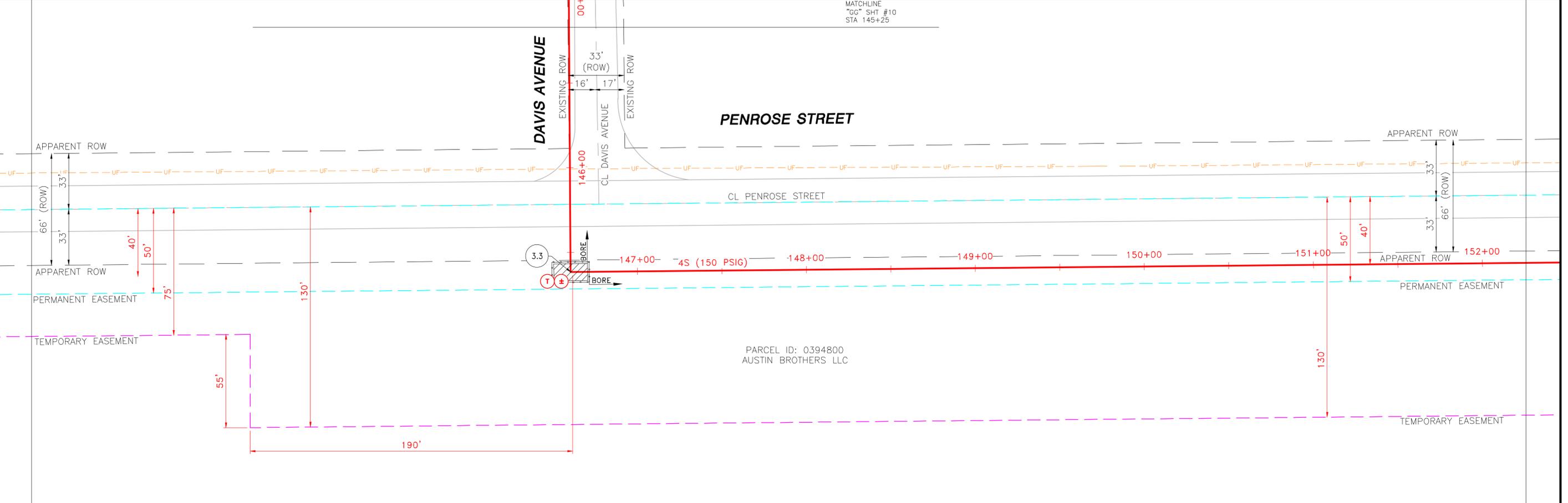
PROPERTY OWNERS

PIPELINE STATIONING & HORIZONTAL ANGLE

MATCHLINE "EE" SHT ### STA 42+50

MATCHLINE "GG" SHT #12 STA 152+25

ALIGNMENT PLAN VIEW

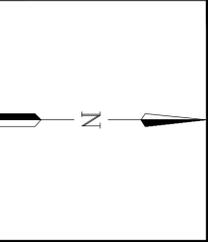


DETAIL

PIPE & COATING

LENGTH

GRADE PROFILE
SCALE: 1"=30' HORIZ. 1"=20' VERT.



NORTHING

NOTES

PIPE & COATING	LENGTH

COATING & WRAP

PIPE QUANTITIES	REVISIONS

REVISIONS

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND OPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
28100 TORCH PARKWAY
WARRENVILLE, IL 60555
TEL 630-363-4000
FAX 630-363-7777
WWW.ENENGINEERING.COM

Alliant Energy
Interstate Power and Light Company (IP&L)

GRINNELL HP LOOP EXTENSION
INSTALLATION 7

CITY: GRINNELL COUNTY: POWESHIEK IOWA

DRAWN BY: DW	SCALE: 1"=30'	ENE#: 1910111.00
CHECKED BY: JF	WR# 4181568	
PROJECT ENG: BB	11 OF 27	
APPROVED BY: KM		
DATE ISSUED: 05/13/2020		

PROPERTY OWNERS

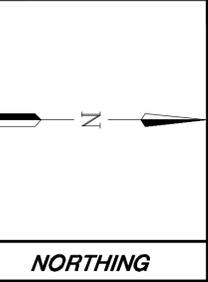
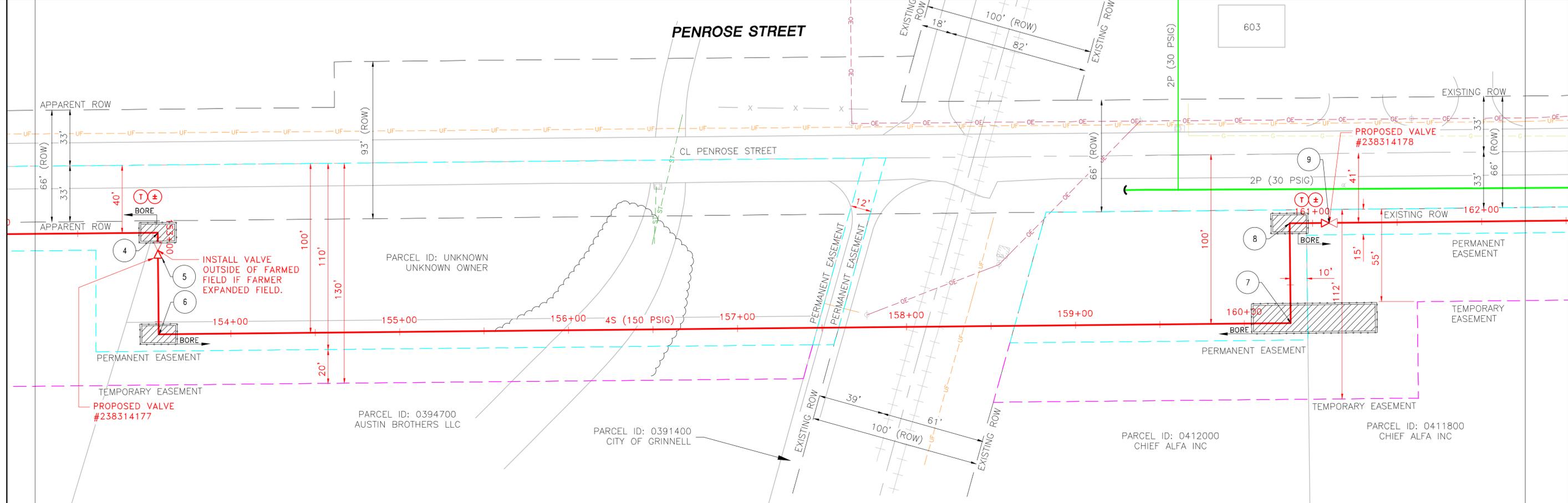
PIPELINE STATIONING & HORIZONTAL ANGLE

ALIGNMENT PLAN VIEW

DETAIL

PIPE & COATING LENGTH

GRADE PROFILE SCALE: 1"=30' HORIZ. 1"=20' VERT.



NOTES

PIPE SUMMARY

A = FBE SINGLE COAT
 B = FBE DUAL COAT
 C = FBE & POWERCRETE

PIPE & COATING	LENGTH

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND OPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
 28100 TORCH PARKWAY
 WARRENVILLE, IL 60555
 TEL 630-363-4000
 FAX 630-363-7777
 WWW.ENENGINEERING.COM

REV	DRAWN BY	DATE	REVISED	CHECKED BY	PROJECT ENG.	APPROVED BY

Alliant Energy
 Interstate Power and Light Company (IP&L)

GRINNELL HP LOOP EXTENSION
 INSTALLATION 8

CITY: GRINNELL
 COUNTY: POWESHIEK IOWA

DRAWN BY	DW	SCALE: 1"=30'	ENE#: 1910111.00
CHECKED BY	JF		
PROJECT ENG.	BB		
APPROVED BY	KM		
DATE ISSUED	05/13/2020		

WR# 4181568

12 OF 27

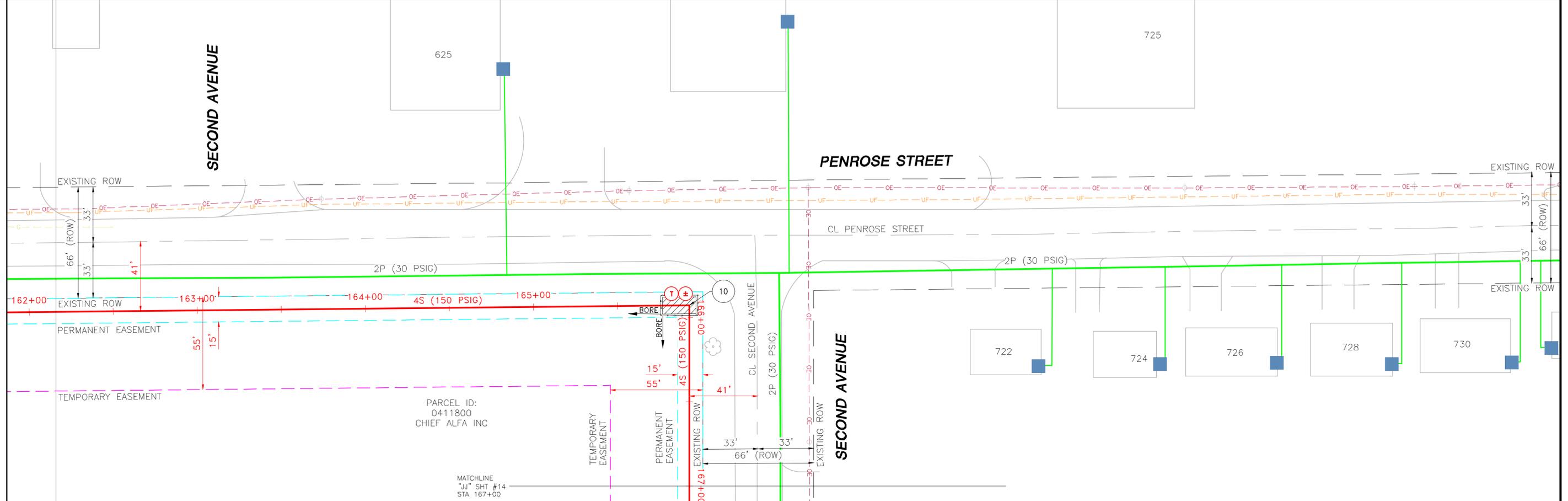
ISSUED FOR REVISION 1

PROPERTY OWNERS

PIPELINE STATIONING & HORIZONTAL ANGLE

MATCHLINE
"II" SHT #12
STA 162+25

ALIGNMENT PLAN VIEW

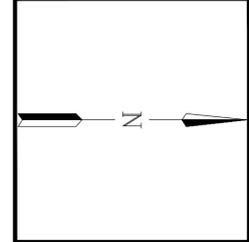


DETAIL

PIPE & COATING

LENGTH

GRADE PROFILE
SCALE: 1"=30' HORIZ. 1"=20' VERT.



NORTHING

NOTES

PIPE & COATING	LENGTH

PIPE SUMMARY

A = FBE SINGLE COAT
B = FBE DUAL COAT
C = FBE & POWERCRETE

COATING & WRAP

REV	DRAWN BY	DATE REVISED	CHECKED BY	PROJECT ENG.	APPROVED BY

UPDATED RUNNING LINE PER CONCERNS FROM THE CITY

PIPE QUANTITIES

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND OPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
28100 TORCH PARKWAY
WARRENVILLE, IL 60555
TEL 630-363-4000
FAX 630-363-7777
WWW.ENENGINEERING.COM

Alliant Energy
Interstate Power and Light Company (IP&L)

GRINNELL HP LOOP EXTENSION
INSTALLATION 9

CITY: GRINNELL
COUNTY: POWESHIEK IOWA

DRAWN BY	DW	SCALE: 1"=30'	ENE#: 1910111.00
CHECKED BY	JF		
PROJECT ENG.	BB		
APPROVED BY	KM		
DATE ISSUED	05/13/2020		

WR# 4181568

ISSUED FOR REVISION 1

PROPERTY OWNERS

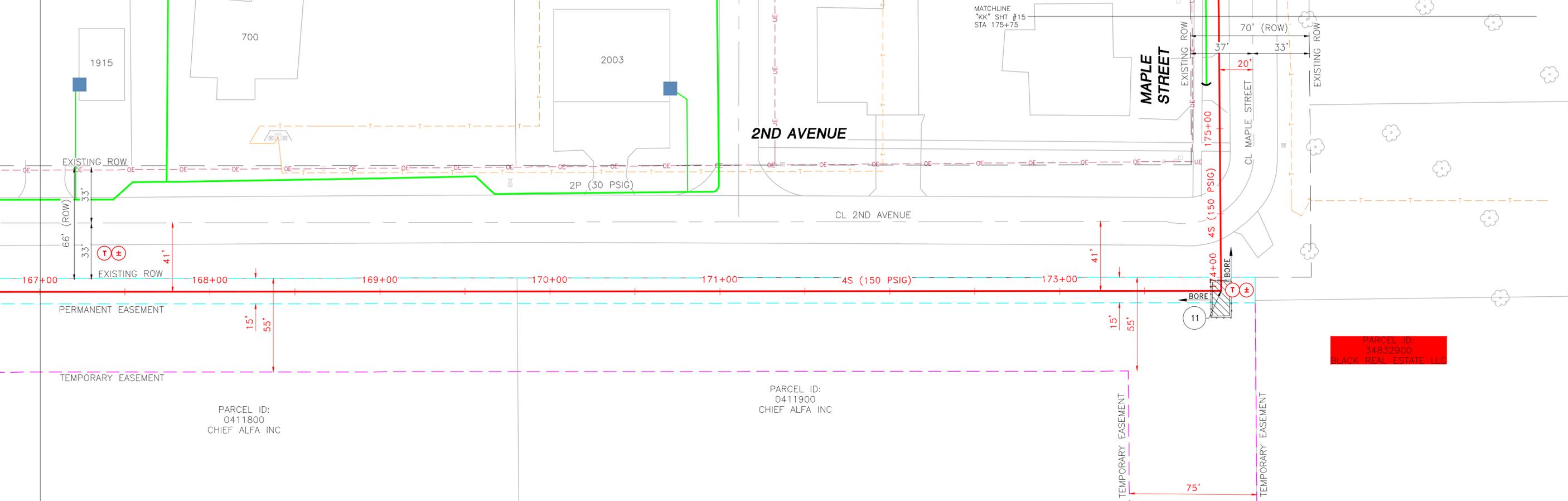
PIPELINE STATIONING & HORIZONTAL ANGLE

ALIGNMENT PLAN VIEW

DETAIL

PIPE & COATING LENGTH

GRADE PROFILE SCALE: 1"=30' HORIZ. 1"=20' VERT.



PARCEL ID:
0411800
CHIEF ALFA INC

PARCEL ID:
0411900
CHIEF ALFA INC

PARCEL ID:
34832900
BLACK REAL ESTATE LLC



NORTHING

NOTES

PIPE SUMMARY

A = FBE SINGLE COAT
B = FBE DUAL COAT
C = FBE & POWERCRETE

COATING & WRAP

PIPE & COATING LENGTH

PIPE QUANTITIES

REV	DRAWN BY	DATE	REVISED	CHECKED BY	PROJECT ENG.	APPROVED BY
1	BB	05-13-20		JF	BB	JF
UPDATED RUNNING LINE PER CONCERNS FROM THE CITY						

REVISIONS

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND OPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENengineering
28100 TORCH PARKWAY
WARRENVILLE, IL 60555
TEL 630-363-4000
FAX 630-363-7777
WWW.ENENGINEERING.COM



GRINNELL HP LOOP EXTENSION
INSTALLATION 10

CITY: GRINNELL COUNTY: POWESHIEK IOWA		SCALE: 1"=30'	ENE#: 1910111.00
DRAWN BY: DW	CHECKED BY: JF	WR# 4181568	
PROJECT ENG: BB	APPROVED BY: KM		
DATE ISSUED: 05/13/2020			

ISSUED FOR REVISION 1

PROPERTY OWNERS

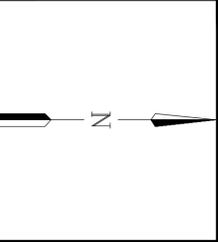
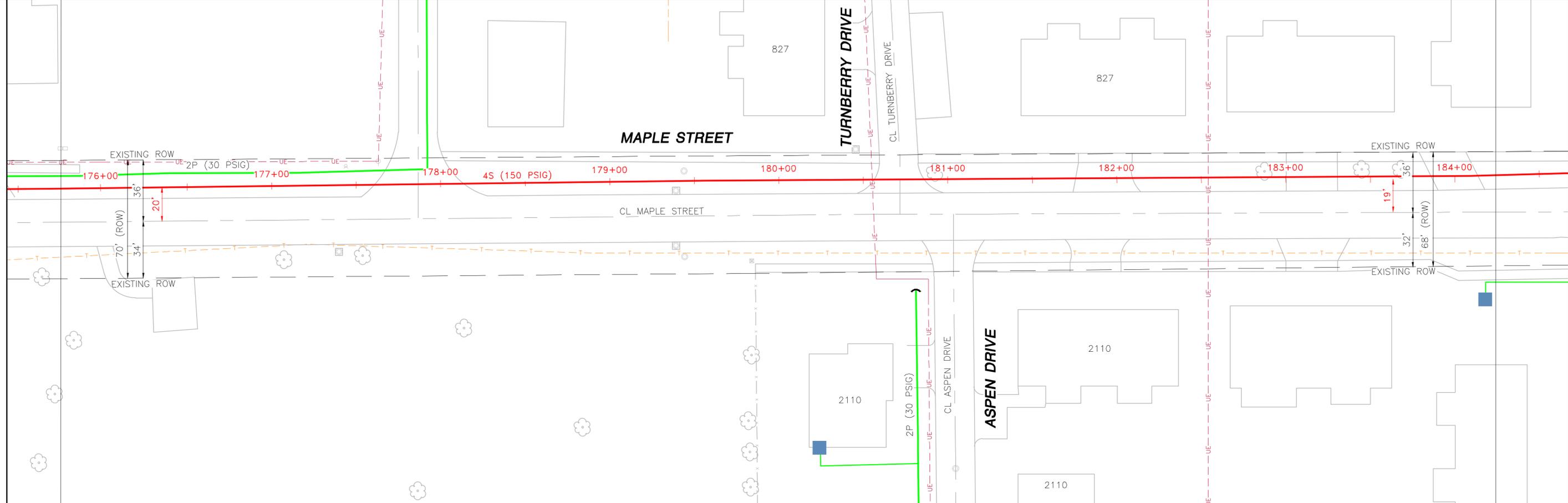
PIPELINE STATIONING & HORIZONTAL ANGLE

ALIGNMENT PLAN VIEW

DETAIL

PIPE & COATING LENGTH

GRADE PROFILE SCALE: 1"=30' HORIZ. 1"=20' VERT.



NOTES

PIPE & COATING	LENGTH

REVISIONS				

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND OPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
 28100 TORCH PARKWAY
 WARRENVILLE, IL 60555
 TEL 630-363-4000
 FAX 630-363-7777
 WWW.ENENGINEERING.COM

Alliant Energy
 Interstate Power and Light Company (IP&L)

GRINNELL HP LOOP EXTENSION
 INSTALLATION 11

CITY: GRINNELL COUNTY: POWESHIEK IOWA

DRAWN BY	DW	SCALE: 1"=30'	ENE#: 1910111.00
CHECKED BY	JF		
PROJECT ENG.	BB		
APPROVED BY	KM		
DATE ISSUED	05/13/2020		

WR# 4181568

NORTHING

NOTES

COATING & WRAP

PIPE QUANTITIES

REVISIONS

PREPARED BY: ENEngineering

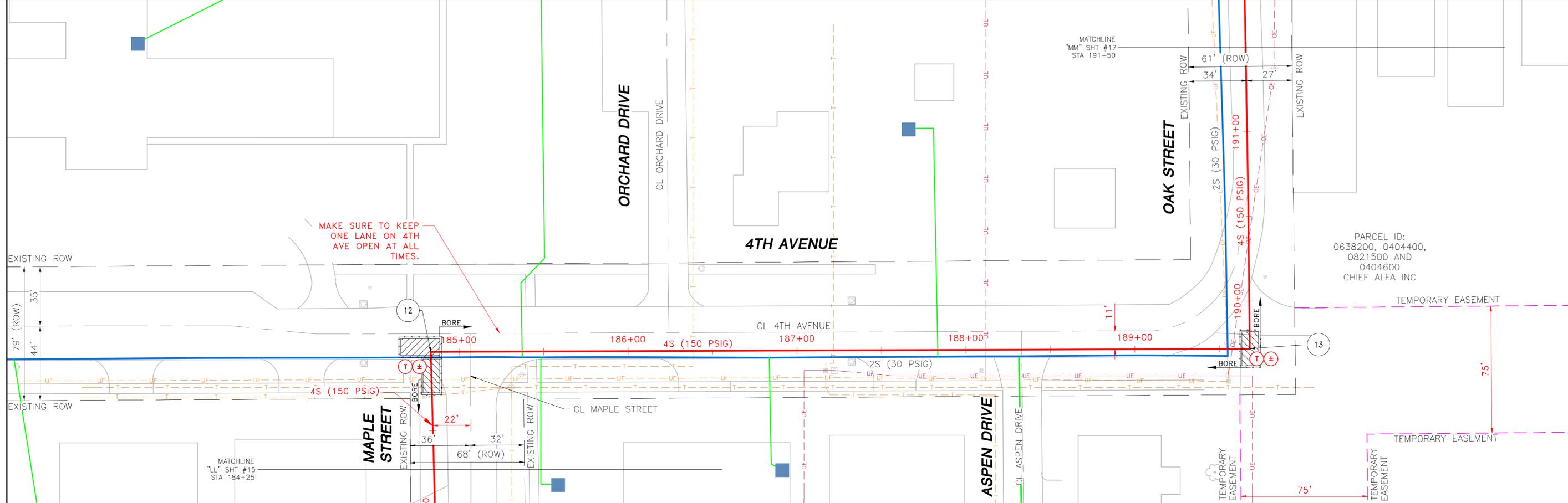
WR# 4181568

ISSUED FOR REVISION 1

PROPERTY OWNERS

PIPELINE STATIONING & HORIZONTAL ANGLE

ALIGNMENT PLAN VIEW

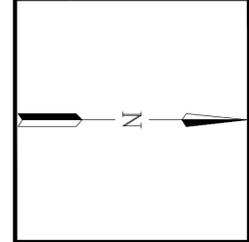


DETAIL

PIPE & COATING

LENGTH

GRADE PROFILE SCALE: 1"=30' HORIZ. 1"=20' VERT.



NOTES

PIPE SUMMARY

A = FBE SINGLE COAT
 B = FBE DUAL COAT
 C = FBE & POWERCRETE

PIPE & COATING	LENGTH

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND OPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
 28100 TORCH PARKWAY
 WARRENVILLE, IL 60555
 TEL 630-363-4000
 FAX 630-363-7777
 WWW.ENENGINEERING.COM

REV	DRAWN BY	DATE	REVISED	CHECKED BY	PROJECT ENG.	APPROVED BY
	BB	05-13-20		JF	BB	JF

UPDATED RUNNING LINE PER CONCERNS FROM THE CITY

ENEngineering

Alliant Energy
 Interstate Power and Light Company (IP&L)

GRINNELL HP LOOP EXTENSION
 INSTALLATION 12

CITY: GRINNELL COUNTY: POWESHIEK IOWA

DRAWN BY	DW	SCALE: 1"=30'	ENE#: 1910111.00
CHECKED BY	JF		
PROJECT ENG.	BB		
APPROVED BY	KM		
DATE ISSUED	05/13/2020		

WR# 4181568

NORTHING

NOTES

COATING & WRAP

PIPE QUANTITIES

REVISIONS

ENEngineering

WR# 4181568

ISSUED FOR REVISION 1

PROPERTY OWNERS

PIPELINE STATIONING & HORIZONTAL ANGLE

ALIGNMENT PLAN VIEW

DETAIL

PIPE & COATING LENGTH

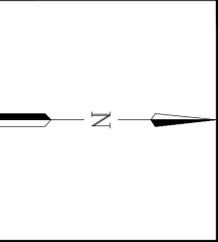
GRADE PROFILE SCALE: 1"=30' HORIZ. 1"=20' VERT.

MATCHLINE
TWIN SHEET #16
STA. 191+50

MATCHLINE
TWIN SHEET #18
STA. 199+75

THERE IS AN UNKNOWN WATER MAIN IN THIS AREA. BE SURE TO REACH OUT TO CHEIF ALFA FOR APPROXIMATE LOCATION.

OAK STREET



NOTES

PIPE & COATING	LENGTH

PIPE SUMMARY	
A = FBE SINGLE COAT	
B = FBE DUAL COAT	
C = FBE & POWERCRETE	

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND OPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
28100 TORCH PARKWAY
WARRENVILLE, IL 60555
TEL 630-363-4000
FAX 630-363-7777
WWW.ENENGINEERING.COM

Alliant Energy
Interstate Power and Light Company (IP&L)

GRINNELL HP LOOP EXTENSION
INSTALLATION 13

CITY: GRINNELL
COUNTY: POWESHIEK IOWA

DRAWN BY: DW	SCALE: 1"=30'	ENE#: 1910111.00
CHECKED BY: JF		
PROJECT ENG: BB		
APPROVED BY: KM		
DATE ISSUED: 05/13/2020		

WR# 4181568

NORTHING

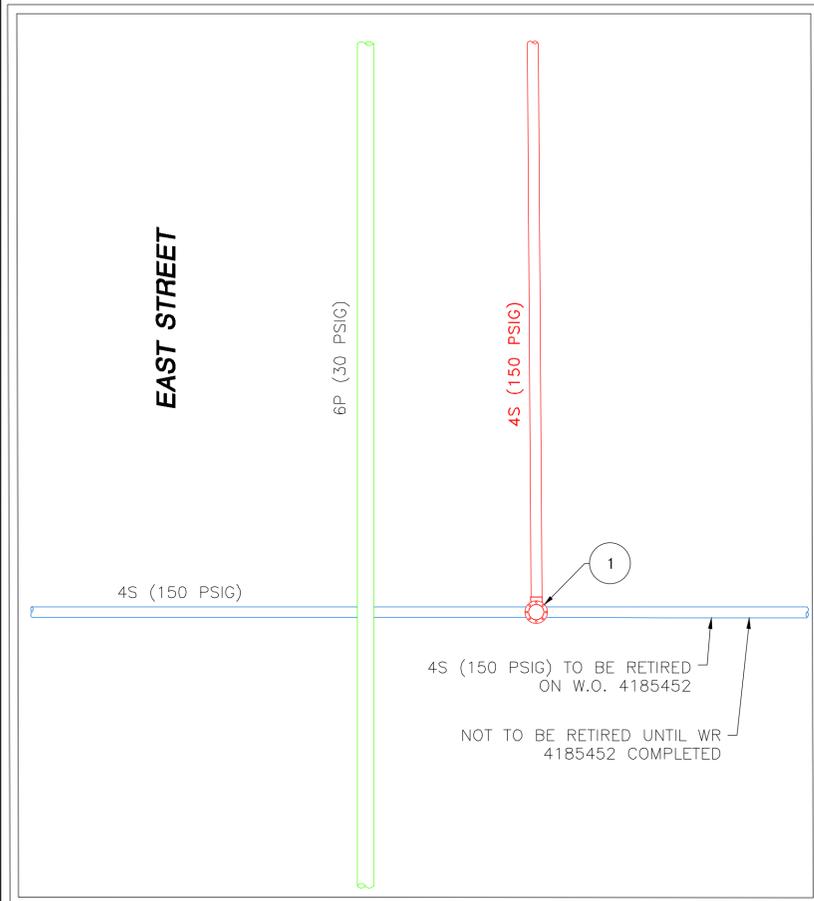
NOTES

COATING & WRAP

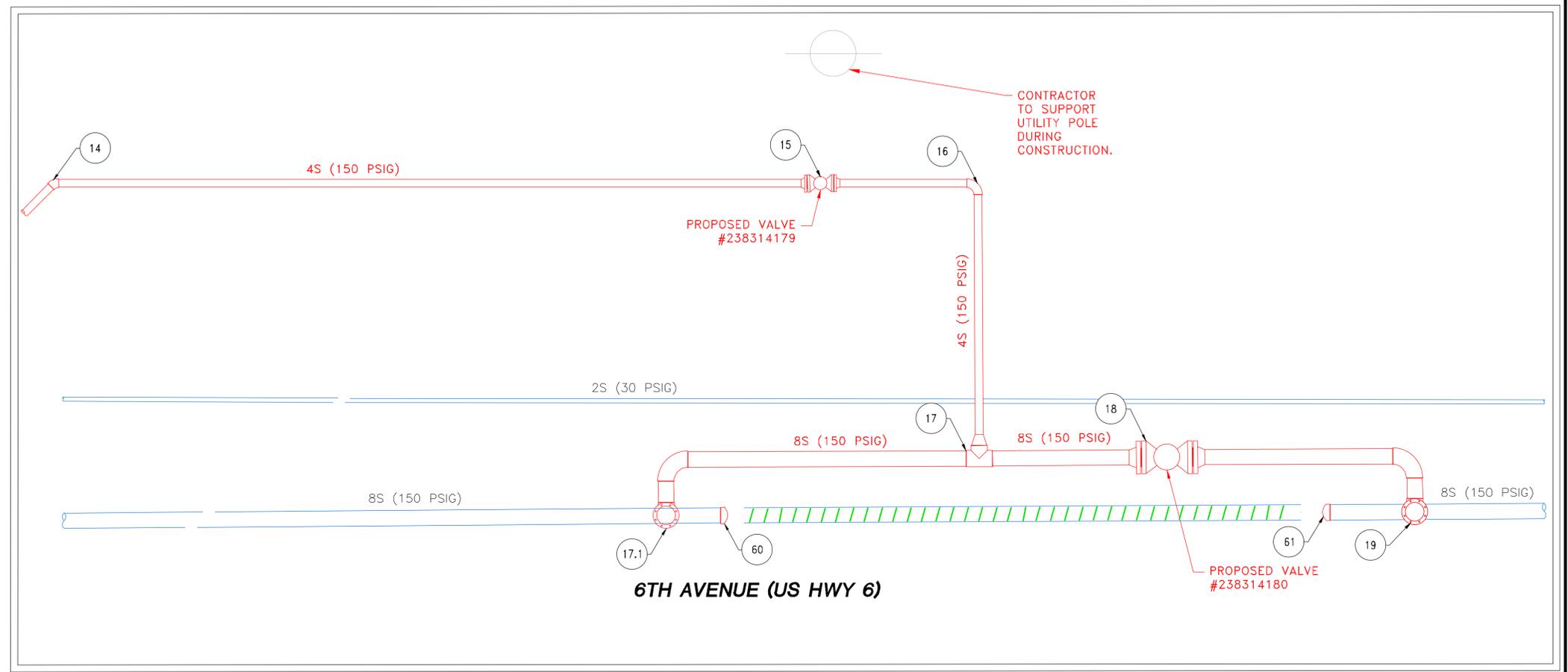
PIPE QUANTITIES

REVISIONS

17 OF 27



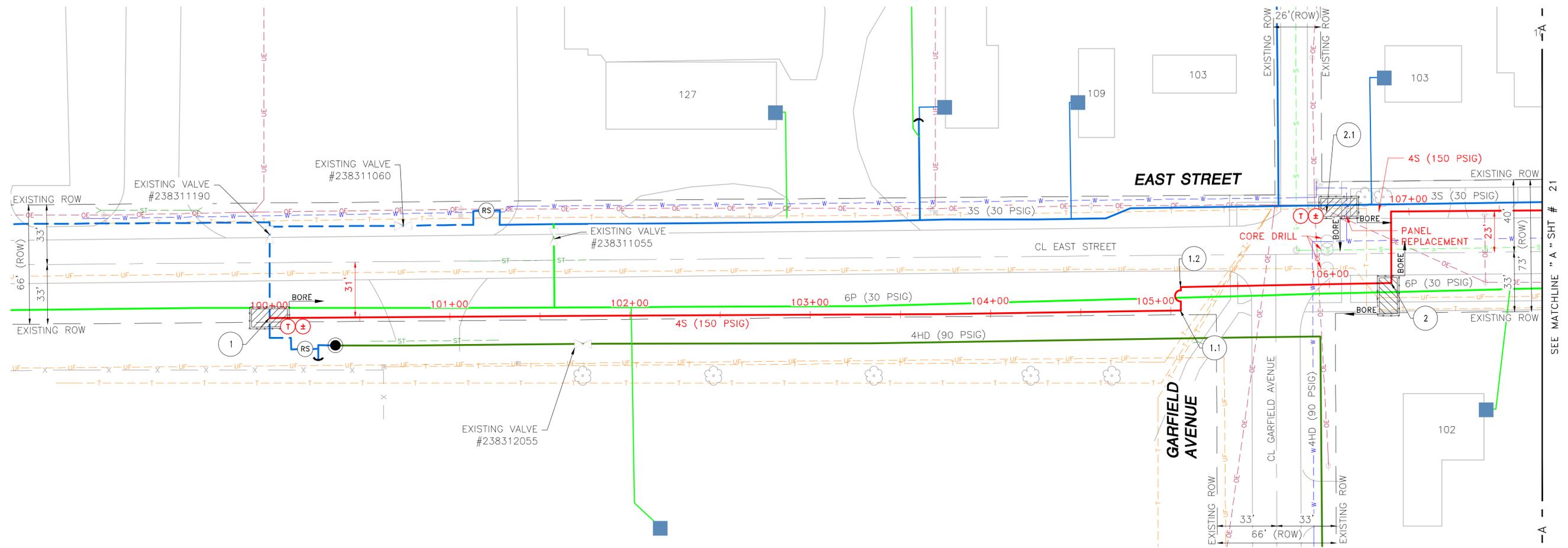
INSTALLATION DETAIL "A"
 (SCALE: 1"=3')
 (SEE SHT. 5 FOR PLAN VIEW)



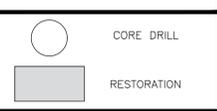
INSTALLATION DETAIL "B"
 (SCALE: 1"=3')
 (SEE SHT. 18 FOR PLAN VIEW)

ISSUED FOR REVISION 1

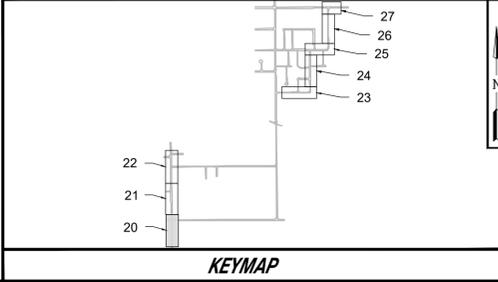
DESIGNED IN ACCORDANCE WITH TITLE 49—PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.		 Alliant Energy Interstate Power and Light Company (IP&L)	
PREPARED BY: ENEngineering 28100 TORCH PARKWAY WARRENVILLE, IL 60555 TEL 630-363-4000 FAX 630-363-7777 WWW.ENENGINEERING.COM		GRINNELL HP LOOP EXTENSION INSTALLATION DETAILS CITY: GRINNELL COUNTY: POWESHIEK IOWA	
DRAWN BY: DW CHECKED BY: JF PROJECT ENG.: BB APPROVED BY: KM DATE ISSUED: 05/13/2020	SCALE: N.T.S. ENE#: 1910111.00	WR# 4181568	
		19 OF 27	



SEE MATCHLINE "A" SHIT # 21



ISSUED FOR REVISION 1



REV	DRAWN BY	DATE REVISED	CHECKED BY	PROJECT ENG.	APPROVED BY
1	BB	05-13-20	JF	BB	JF
UPDATED RUNNING LINE PER CONCERNS FROM THE CITY					

REVISIONS

EXISTING PLASTIC (LP)	PROPOSED EXCESS FLOW VALVE	EXISTING EXCESS FLOW VALVE
EXISTING PLASTIC (HP)	PROPOSED LOCATE STATION	EXISTING LOCATE STATION
EXISTING STEEL (LP)	PROPOSED CATHODIC PROTECTION TEST STATION	EXISTING CATHODIC PROTECTION TEST STATION
EXISTING STEEL (HP)	PROPOSED ANODE	EXISTING ANODE
PROPOSED INSTALLATION	PROPOSED PIPE CHANGE	EXISTING PIPE CHANGE
PROPOSED RETIREMENT	PROPOSED END CAP	EXISTING END CAP
SERVICE TRANSFER	PROPOSED VALVE	EXISTING VALVE
REGULATOR STATION	PROPOSED INSULATOR/TRANSITION	EXISTING INSULATOR/TRANSITION
GAS SERVICE POINT		

LEGEND

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

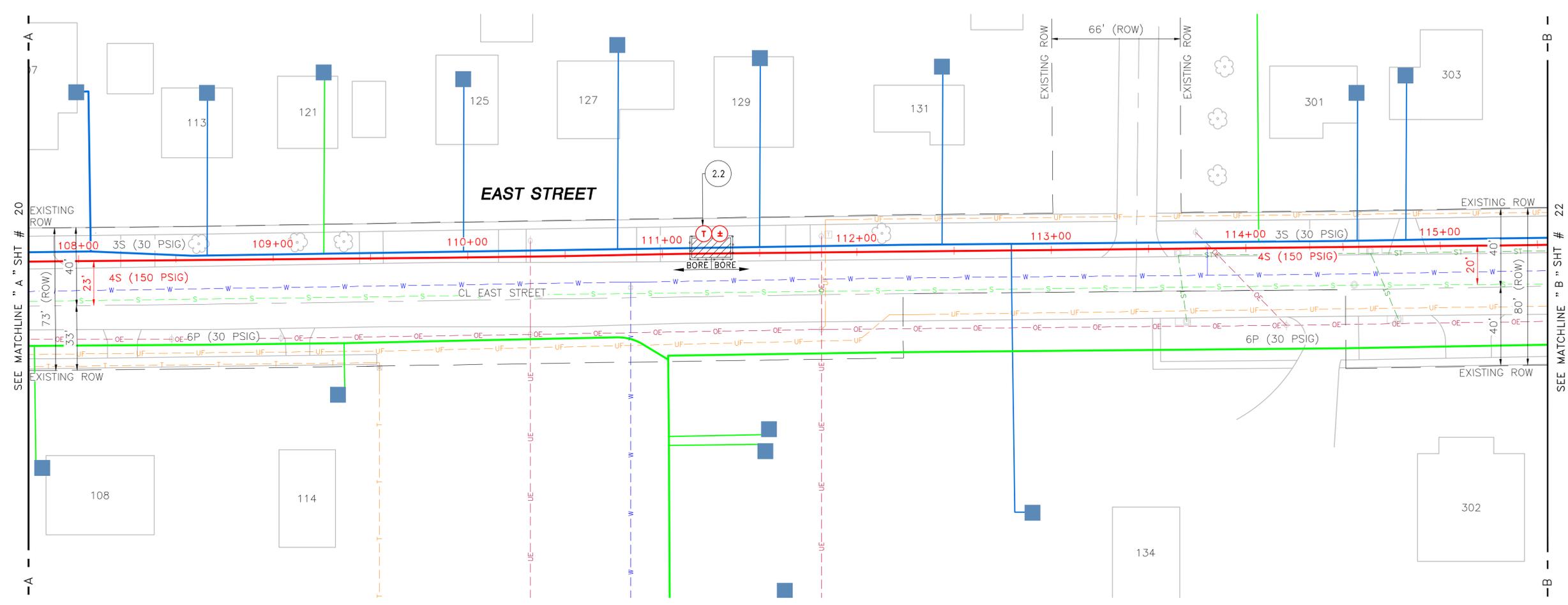
PREPARED BY:
ENEngineering
 28100 TORCH PARKWAY
 WARRENVILLE, IL 60555
 TEL 630-363-4000
 FAX 630-363-7777
 WWW.ENENGINEERING.COM



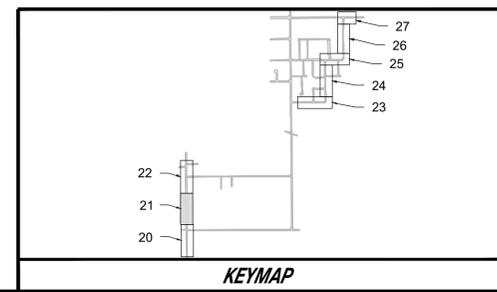
GRINNELL HP LOOP EXTENSION RESTORATION PLAN 1

CITY: GRINNELL COUNTY: POWESHIEK IOWA	
DRAWN BY: DW	SCALE: 1"=30'
CHECKED BY: JF	ENE#: 1910111.00
PROJECT ENG.: ZA	
APPROVED BY: KM	
DATE ISSUED: 05/13/2020	

WR#4181568



ISSUED FOR REVISION 1



REV	DRAWN BY	DATE REVISED	CHECKED BY	PROJECT ENG.	APPROVED BY
1	BB	05-13-20	JF	BB	JF
UPDATED RUNNING LINE PER CONCERNS FROM THE CITY					

LEGEND		
	EXISTING PLASTIC (LP)	
	EXISTING PLASTIC (HP)	
	EXISTING STEEL (LP)	
	EXISTING STEEL (HP)	
	PROPOSED INSTALLATION	
	PROPOSED RETIREMENT	
	SERVICE TRANSFER	
	GAS SERVICE POINT	
	PROPOSED EXCESS FLOW VALVE	
	PROPOSED LOCATE STATION	
	PROPOSED CATHODIC PROTECTION TEST STATION	
	PROPOSED ANODE	
	PROPOSED PIPE CHANGE	
	PROPOSED END CAP	
	PROPOSED VALVE	
	PROPOSED INSULATOR/TRANSITION	
	EXISTING EXCESS FLOW VALVE	
	EXISTING LOCATE STATION	
	EXISTING CATHODIC PROTECTION TEST STATION	
	EXISTING ANODE	
	EXISTING PIPE CHANGE	
	EXISTING END CAP	
	EXISTING VALVE	
	EXISTING INSULATOR/TRANSITION	

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPIC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
 28100 TORCH PARKWAY
 WARRENVILLE, IL 60555
 TEL 630-353-4000
 FAX 630-353-7777
 WWW.ENENGINEERING.COM

Alliant Energy
 Interstate Power and Light Company (IP&L)

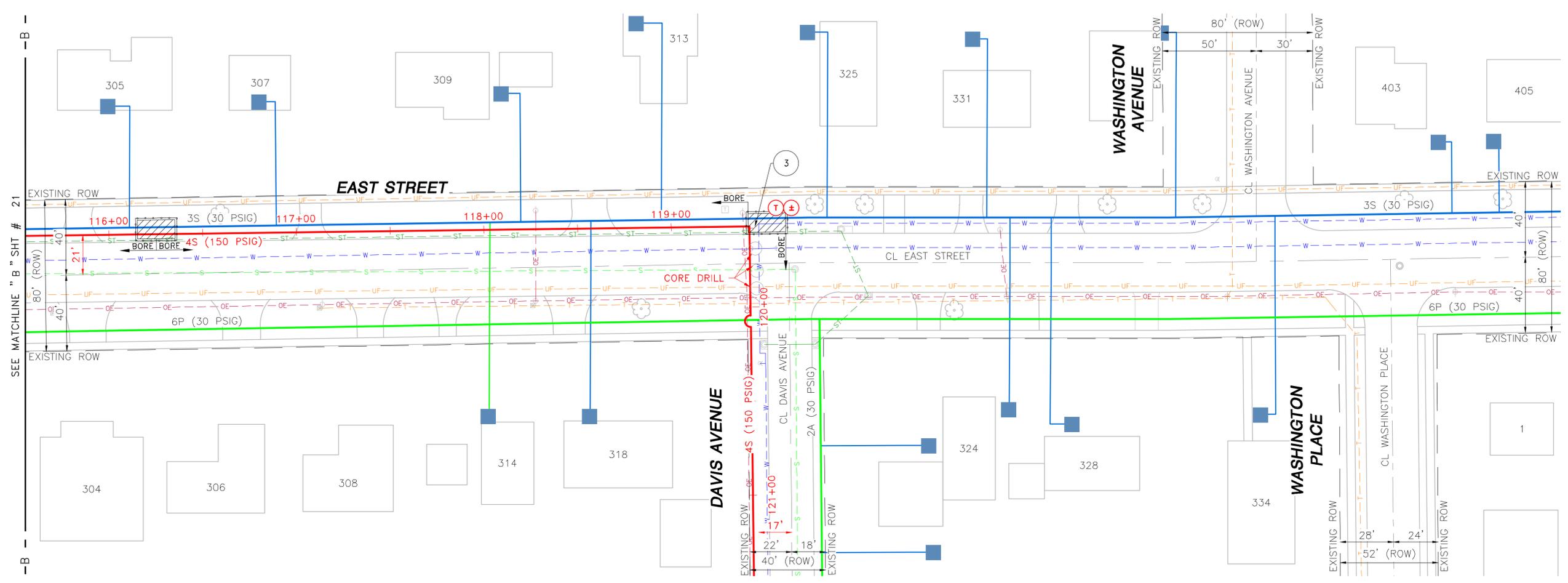
GRINNELL HP LOOP EXTENSION RESTORATION PLAN 2

CITY: GRINNELL IOWA
 COUNTY: POWESHIEK

DRAWN BY	DW	SCALE: 1"=30'	ENE#: 1910111.00
CHECKED BY	JF		
PROJECT ENG.	ZA		
APPROVED BY	KM		
DATE ISSUED	05/13/2020		

WR#4181568

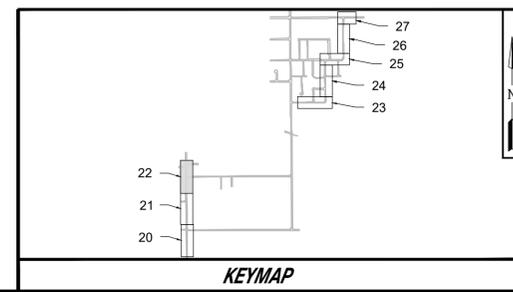
21 OF 27



SEE MATCHLINE "B" SHIT # 21



ISSUED FOR REVISION 1



REV	BB	DATE	REVISED	JF	BB	JF
1	BB	05-13-20	JF	BB	JF	

UPDATED RUNNING LINE PER CONCERNS FROM THE CITY

REVISIONS

LEGEND	
	EXISTING PLASTIC (LP)
	EXISTING PLASTIC (HP)
	EXISTING STEEL (LP)
	EXISTING STEEL (HP)
	PROPOSED INSTALLATION
	PROPOSED RETIREMENT
	SERVICE TRANSFER
	REGULATOR STATION
	GAS SERVICE POINT
	PROPOSED EXCESS FLOW VALVE
	PROPOSED LOCATE STATION
	PROPOSED CATHODIC PROTECTION TEST STATION
	PROPOSED ANODE
	PROPOSED PIPE CHANGE
	PROPOSED END CAP
	PROPOSED VALVE
	PROPOSED INSULATOR/TRANSITION
	EXISTING EXCESS FLOW VALVE
	EXISTING LOCATE STATION
	EXISTING CATHODIC PROTECTION TEST STATION
	EXISTING ANODE
	EXISTING PIPE CHANGE
	EXISTING END CAP
	EXISTING VALVE
	EXISTING INSULATOR/TRANSITION

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
 28100 TORCH PARKWAY
 WARRENVILLE, IL 60555
 TEL 630-353-4000
 FAX 630-353-7777
 WWW.ENENGINEERING.COM

Alliant Energy
 Interstate Power and Light Company (IP&L)

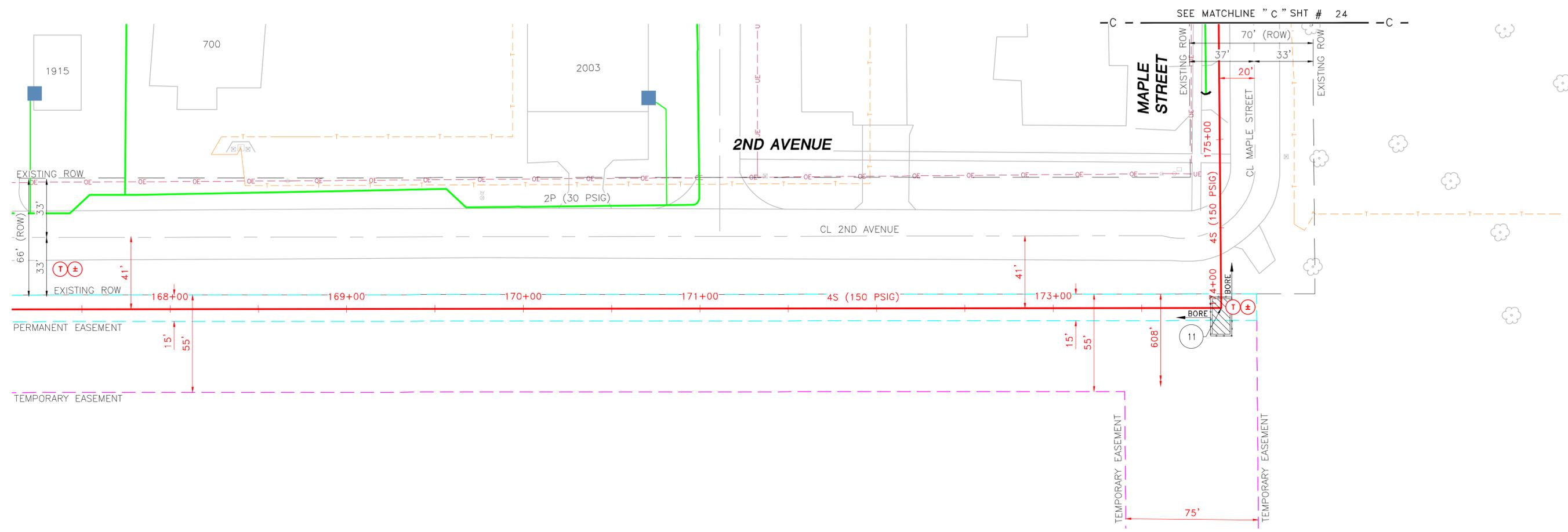
GRINNELL HP LOOP EXTENSION RESTORATION PLAN 3

CITY: GRINNELL COUNTY: POWESHIEK IOWA

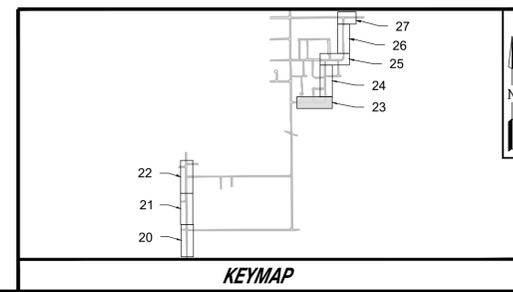
DRAWN BY	DW	SCALE: 1"=30'	ENE#: 1910111.00
CHECKED BY	JF		
PROJECT ENG.	ZA		
APPROVED BY	KM		
DATE ISSUED	05/13/2020		

WR#4181568

22 OF 27



**ISSUED FOR
REVISION 1**



REV	DRAWN BY	DATE REVISED	CHECKED BY	PROJECT ENG.	APPROVED BY
1	BB	05-13-20	JF	BB	JF
UPDATED RUNNING LINE PER CONCERNS FROM THE CITY					

LEGEND	
EXISTING PLASTIC (LP)	PROPOSED EXCESS FLOW VALVE
EXISTING PLASTIC (HP)	PROPOSED LOCATE STATION
EXISTING STEEL (LP)	PROPOSED CATHODIC PROTECTION TEST STATION
EXISTING STEEL (HP)	PROPOSED ANODE
PROPOSED INSTALLATION	PROPOSED PIPE CHANGE
PROPOSED RETIREMENT	PROPOSED END CAP
SERVICE TRANSFER	PROPOSED VALVE
REGULATOR STATION	PROPOSED INSULATOR/TRANSITION
GAS SERVICE POINT	EXISTING INSULATOR/TRANSITION
EXISTING EXCESS FLOW VALVE	EXISTING LOCATE STATION
EXISTING CATHODIC PROTECTION TEST STATION	EXISTING ANODE
EXISTING PIPE CHANGE	EXISTING END CAP
EXISTING VALVE	EXISTING INSULATOR/TRANSITION

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPIC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
 28100 TORCH PARKWAY
 WARRENVILLE, IL 60565
 TEL 630-353-4000
 FAX 630-353-7777
 WWW.ENENGINEERING.COM

Interstate Power and Light Company (IP&L)

**GRINNELL HP LOOP EXTENSION
 RESTORATION PLAN 4**

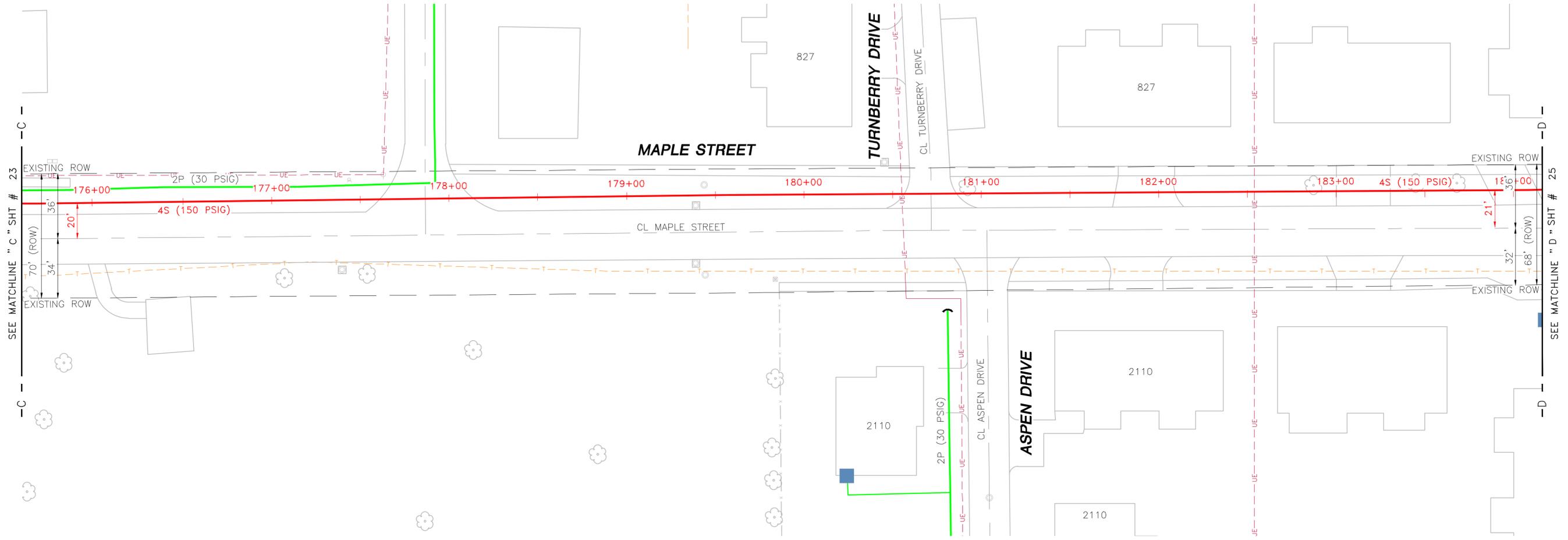
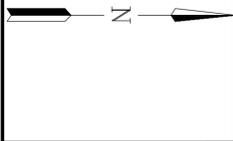
CITY: GRINNELL IOWA
 COUNTY: POWESHIEK

DRAWN BY	DW	SCALE: 1"=30'	ENE#: 1910111.00
CHECKED BY	JF		
PROJECT ENG.	ZA		
APPROVED BY	KM		
DATE ISSUED	05/13/2020		

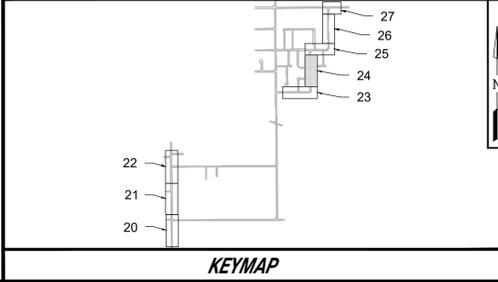
WR#4181568

23 OF 27





ISSUED FOR REVISION 1



REV	DATE	BY	CHECKED BY	DESCRIPTION
1	05-13-20	BB	JF	UPDATED RUNNING LINE PER CONCERNS FROM THE CITY

LEGEND	
	EXISTING PLASTIC (LP)
	PROPOSED INSTALLATION
	PROPOSED RETIREMENT
	SERVICE TRANSFER
	GAS SERVICE POINT
	PROPOSED EXCESS FLOW VALVE
	PROPOSED LOCATE STATION
	PROPOSED CATHODIC PROTECTION TEST STATION
	PROPOSED ANODE
	PROPOSED PIPE CHANGE
	PROPOSED END CAP
	PROPOSED VALVE
	PROPOSED INSULATOR/TRANSITION
	EXISTING EXCESS FLOW VALVE
	EXISTING LOCATE STATION
	EXISTING CATHODIC PROTECTION TEST STATION
	EXISTING ANODE
	EXISTING PIPE CHANGE
	EXISTING END CAP
	EXISTING VALVE
	EXISTING INSULATOR/TRANSITION

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPIC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
 28100 TORCH PARKWAY
 WARRENVILLE, IL 60555
 TEL 630-353-4000
 FAX 630-353-7777
 WWW.ENENGINEERING.COM

Alliant Energy
Interstate Power and Light Company (IP&L)

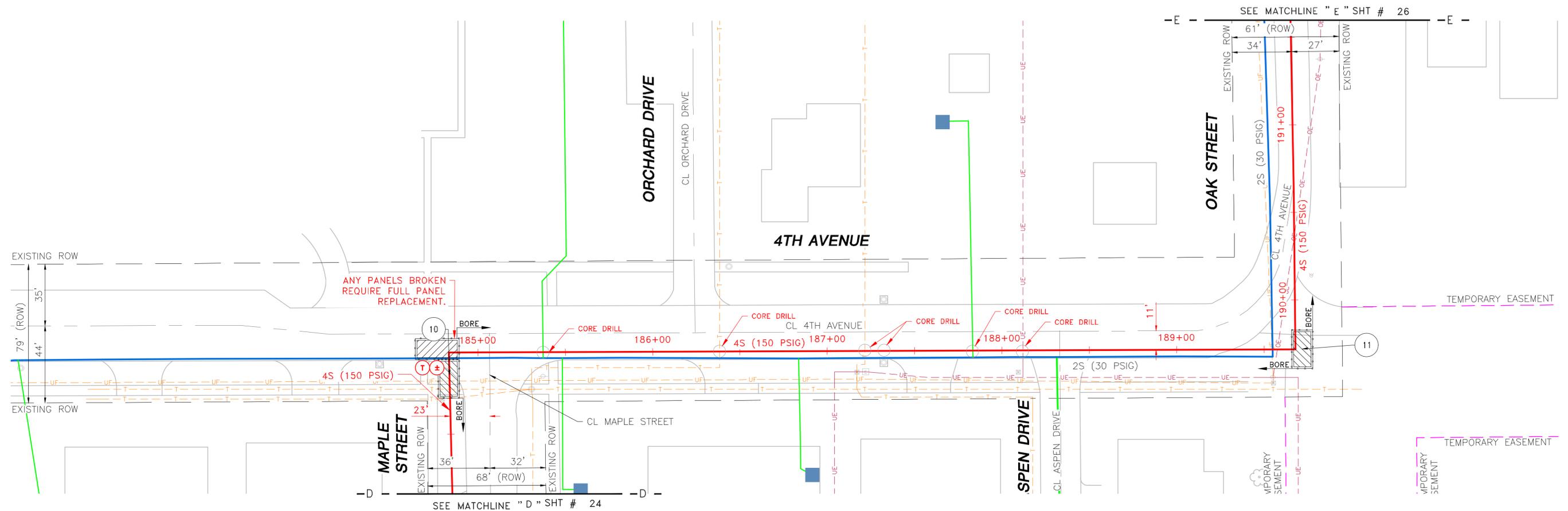
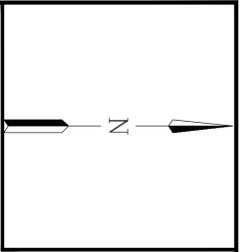
GRINNELL HP LOOP EXTENSION RESTORATION PLAN 5

CITY: GRINNELL COUNTY: POWESHIEK IOWA

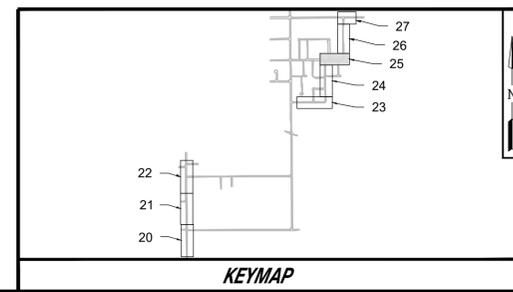
DRAWN BY	DW	SCALE: 1"=30'	ENE#: 1910111.00
CHECKED BY	JF	WR#4181568	
PROJECT ENG.	ZA		
APPROVED BY	KM		
DATE ISSUED	05/13/2020		

24 OF 27





ISSUED FOR REVISION 1



REV	DRAWN BY	DATE REVISED	CHECKED BY	PROJECT ENG.	APPROVED BY
1	BB	05-13-20	JF	BB	JF
UPDATED RUNNING LINE PER CONCERNS FROM THE CITY					

LEGEND	
EXISTING PLASTIC (LP)	PROPOSED EXCESS FLOW VALVE
EXISTING PLASTIC (HP)	PROPOSED LOCATE STATION
EXISTING STEEL (LP)	PROPOSED CATHODIC PROTECTION TEST STATION
EXISTING STEEL (HP)	PROPOSED ANODE
PROPOSED INSTALLATION	PROPOSED PIPE CHANGE
PROPOSED RETIREMENT	PROPOSED END CAP
SERVICE TRANSFER	PROPOSED VALVE
REGULATOR STATION	PROPOSED INSULATOR/TRANSITION
GAS SERVICE POINT	EXISTING INSULATOR/TRANSITION
EXISTING EXCESS FLOW VALVE	EXISTING LOCATE STATION
EXISTING CATHODIC PROTECTION TEST STATION	EXISTING ANODE
EXISTING PIPE CHANGE	EXISTING END CAP
EXISTING VALVE	EXISTING INSULATOR/TRANSITION

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
 28100 TORCH PARKWAY
 WARRENVILLE, IL 60565
 TEL 630-353-4000
 FAX 630-353-7777
 WWW.ENENGINEERING.COM

Interstate Power and Light Company (IP&L)

GRINNELL HP LOOP EXTENSION RESTORATION PLAN 6

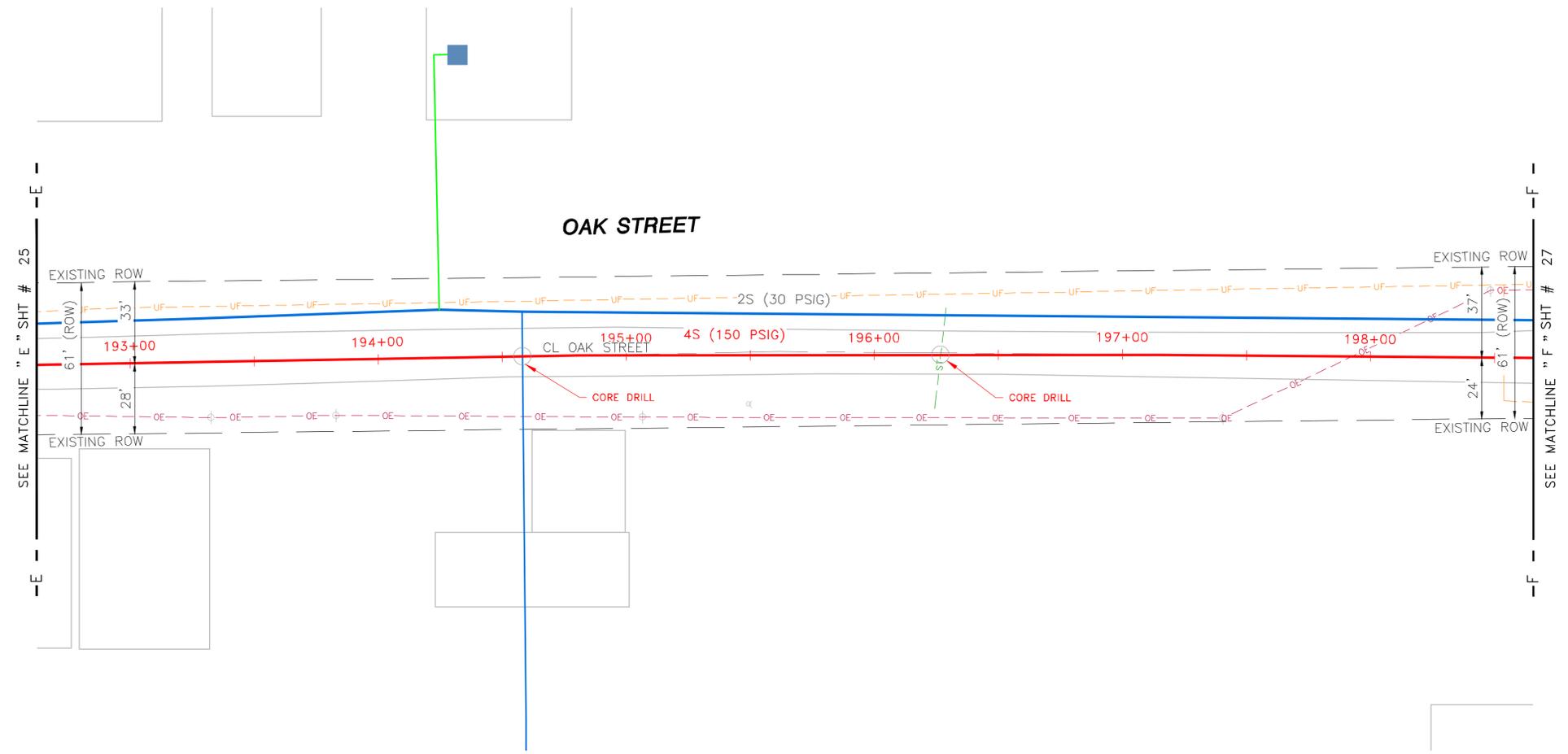
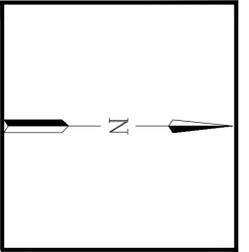
CITY: GRINNELL COUNTY: POWESHIEK IOWA

DRAWN BY: DW	SCALE: 1"=30'	ENE#: 1910111.00
CHECKED BY: JF		
PROJECT ENG: ZA		
APPROVED BY: KM		
DATE ISSUED: 05/13/2020		

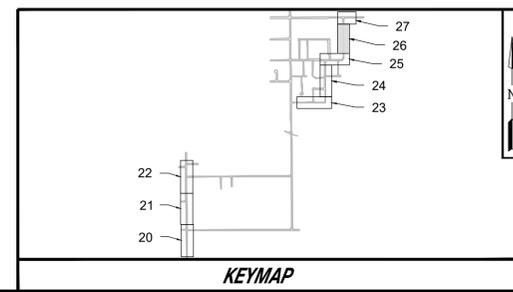
WR#4181568

25 OF 27





ISSUED FOR REVISION 1



REV	DRAWN BY	DATE REVISED	CHECKED BY	PROJECT ENG.	APPROVED BY
1	BB	05-13-20	JF	BB	JF
UPDATED RUNNING LINE PER CONCERNS FROM THE CITY					

LEGEND					
— (Green)	EXISTING PLASTIC (LP)	⊂	PROPOSED EXCESS FLOW VALVE	⊂	EXISTING EXCESS FLOW VALVE
— (Blue)	EXISTING PLASTIC (HP)	⊂	PROPOSED LOCATE STATION	⊂	EXISTING LOCATE STATION
— (Red)	EXISTING STEEL (LP)	⊂	PROPOSED CATHODIC PROTECTION TEST STATION	⊂	EXISTING CATHODIC PROTECTION TEST STATION
— (Blue)	EXISTING STEEL (HP)	⊂	PROPOSED ANODE	⊂	EXISTING ANODE
— (Red)	PROPOSED INSTALLATION	⊂	PROPOSED PIPE CHANGE	⊂	EXISTING PIPE CHANGE
— (Blue)	PROPOSED RETIREMENT	⊂	PROPOSED END CAP	⊂	EXISTING END CAP
— (Red)	SERVICE TRANSFER	⊂	PROPOSED VALVE	⊂	EXISTING VALVE
⊂ (RS)	REGULATOR STATION	⊂	PROPOSED INSULATOR/TRANSITION	⊂	EXISTING INSULATOR/TRANSITION
■ (Blue)	GAS SERVICE POINT				

DESIGNED IN ACCORDANCE WITH TITLE 49—PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
 28100 TORCH PARKWAY
 WARRENVILLE, IL 60555
 TEL 630-353-4000
 FAX 630-353-7777
 WWW.ENENGINEERING.COM

Alliant Energy
 Interstate Power and Light Company (IP&L)

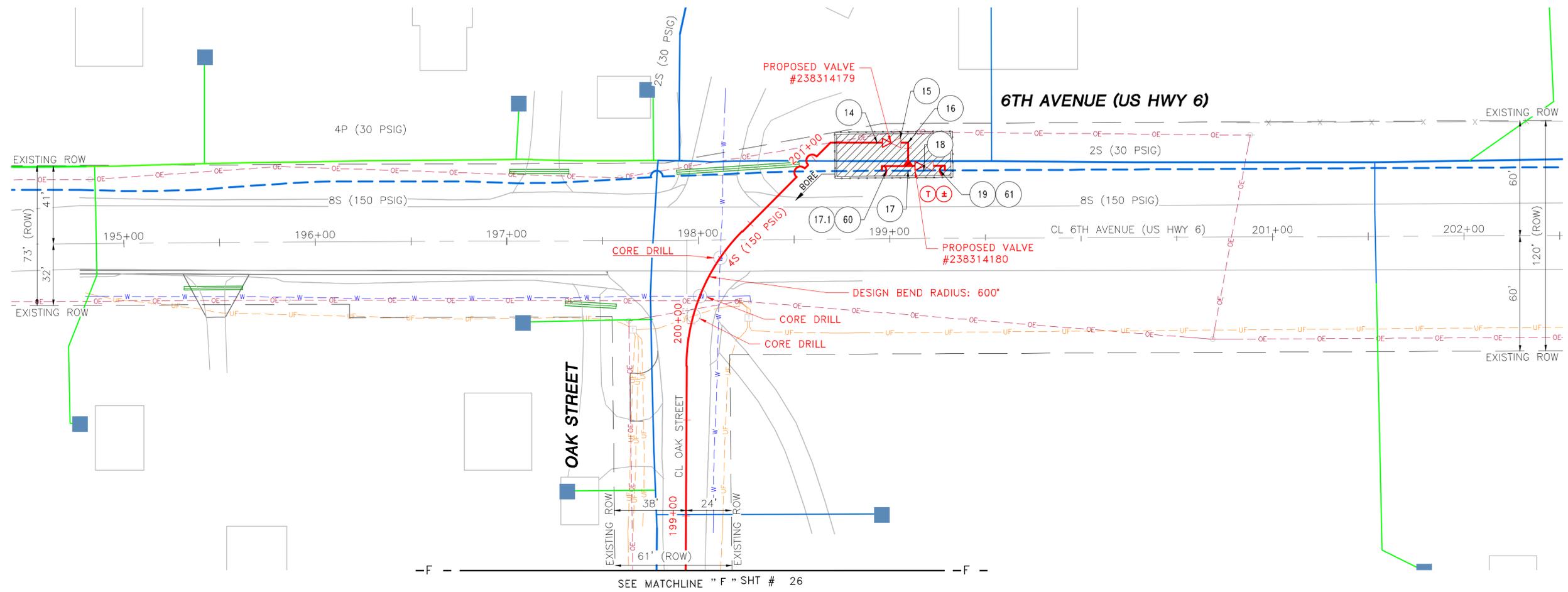
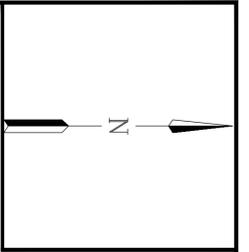
GRINNELL HP LOOP EXTENSION RESTORATION PLAN 7

CITY: GRINNELL IOWA
 COUNTY: POWESHIEK

DRAWN BY	DW	SCALE: 1"=30'	ENE#: 1910111.00
CHECKED BY	JF		
PROJECT ENG.	ZA		
APPROVED BY	KM		
DATE ISSUED	05/13/2020		

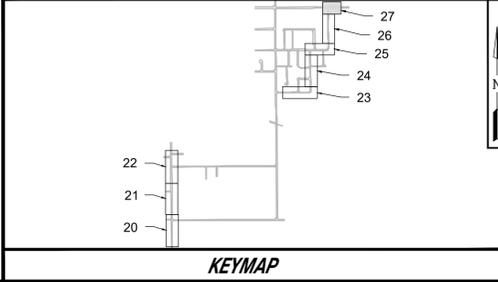
WR#4181568

28 OF 27



SEE MATCHLINE "F" SHT # 26

ISSUED FOR REVISION 1



REV	DATE	BY	CHECKED BY	PROJECT ENG.	APPROVED BY
1	05-13-20	JF	BB	JF	JF
UPDATED RUNNING LINE PER CONCERNS FROM THE CITY					
BB	05-13-20	JF	BB	JF	JF

LEGEND	
EXISTING PLASTIC (LP)	PROPOSED EXCESS FLOW VALVE
EXISTING PLASTIC (HP)	PROPOSED LOCATE STATION
EXISTING STEEL (LP)	PROPOSED CATHODIC PROTECTION TEST STATION
EXISTING STEEL (HP)	PROPOSED ANODE
PROPOSED INSTALLATION	PROPOSED ANODE
PROPOSED RETIREMENT	PROPOSED PIPE CHANGE
SERVICE TRANSFER	PROPOSED END CAP
REGULATOR STATION	PROPOSED VALVE
GAS SERVICE POINT	PROPOSED INSULATOR/TRANSITION
EXISTING EXCESS FLOW VALVE	EXISTING EXCESS FLOW VALVE
EXISTING LOCATE STATION	EXISTING LOCATE STATION
EXISTING CATHODIC PROTECTION TEST STATION	EXISTING CATHODIC PROTECTION TEST STATION
EXISTING ANODE	EXISTING ANODE
EXISTING PIPE CHANGE	EXISTING PIPE CHANGE
EXISTING END CAP	EXISTING END CAP
EXISTING VALVE	EXISTING VALVE
EXISTING INSULATOR/TRANSITION	EXISTING INSULATOR/TRANSITION

DESIGNED IN ACCORDANCE WITH TITLE 49-PART 192 OF MINIMUM FEDERAL SAFETY STANDARDS AND GPTC GUIDE FOR GAS TRANSMISSION AND DISTRIBUTION PIPING SYSTEMS, LATEST EDITION.

PREPARED BY:
ENEngineering
 28100 TORCH PARKWAY
 WARRENVILLE, IL 60555
 TEL 630-353-4000
 FAX 630-353-7777
 WWW.ENENGINEERING.COM

Alliant Energy
Interstate Power and Light Company (IP&L)

GRINNELL HP LOOP EXTENSION RESTORATION PLAN 8

CITY: GRINNELL COUNTY: POWESHIEK IOWA

DRAWN BY	DW	SCALE: 1"=30'	ENE#: 1910111.00
CHECKED BY	JF		
PROJECT ENG.	ZA		
APPROVED BY	KM		
DATE ISSUED	05/13/2020		

WR#4181568

27 OF 27



City of Grinnell

**PUBLIC RIGHT-OF-WAY
COMMUNICATIONS SYSTEM
LICENSE APPLICATION
ORDINANCE NO. 1060**

1. Applicant: Commdatalink 1305 SW 37th ST
Name Address
Grimes IA 50111 515-224-9544
City, State Zip Telephone

2. Contact Person: Rod Metz 1305 SW 37th ST
Name Address
Grimes IA 50111 515-202-7174
City, State Zip Telephone

3. Application requires an engineering site plan for the proposed system that is to be placed within the City Right-of-way. Check off each of these items as they are included on the site plan:

- Plans drawn to scale.
- Street names.
- Right-of-way widths.
- Pavement widths.
- Sidewalk location and width including sidewalk ramps.
- Obstacles or improvements that are in or near the work area.
An example of such are: existing trees, fence, drainage structures,
Water stop-boxes, ditches, and utility vaults.
- Horizontal and vertical location and physical size of the proposed utility.
- Proposed construction work method such as "open cut" or "bore".
- A drawing and explanation of concrete or asphalt restoration.
- Information regarding sod work and tree replacement.
- Location of other existing utilities within the work area.
- Typical detail sections where special attention is required for some restoration work.
- Excavation soil replacement and compaction requirements. Aggregate replacement under street surfaces, soil backfill outside of 5' from edge of street surface.
- Detailed time schedule.
- Address of adjacent properties.
- Legal description of communication system location.



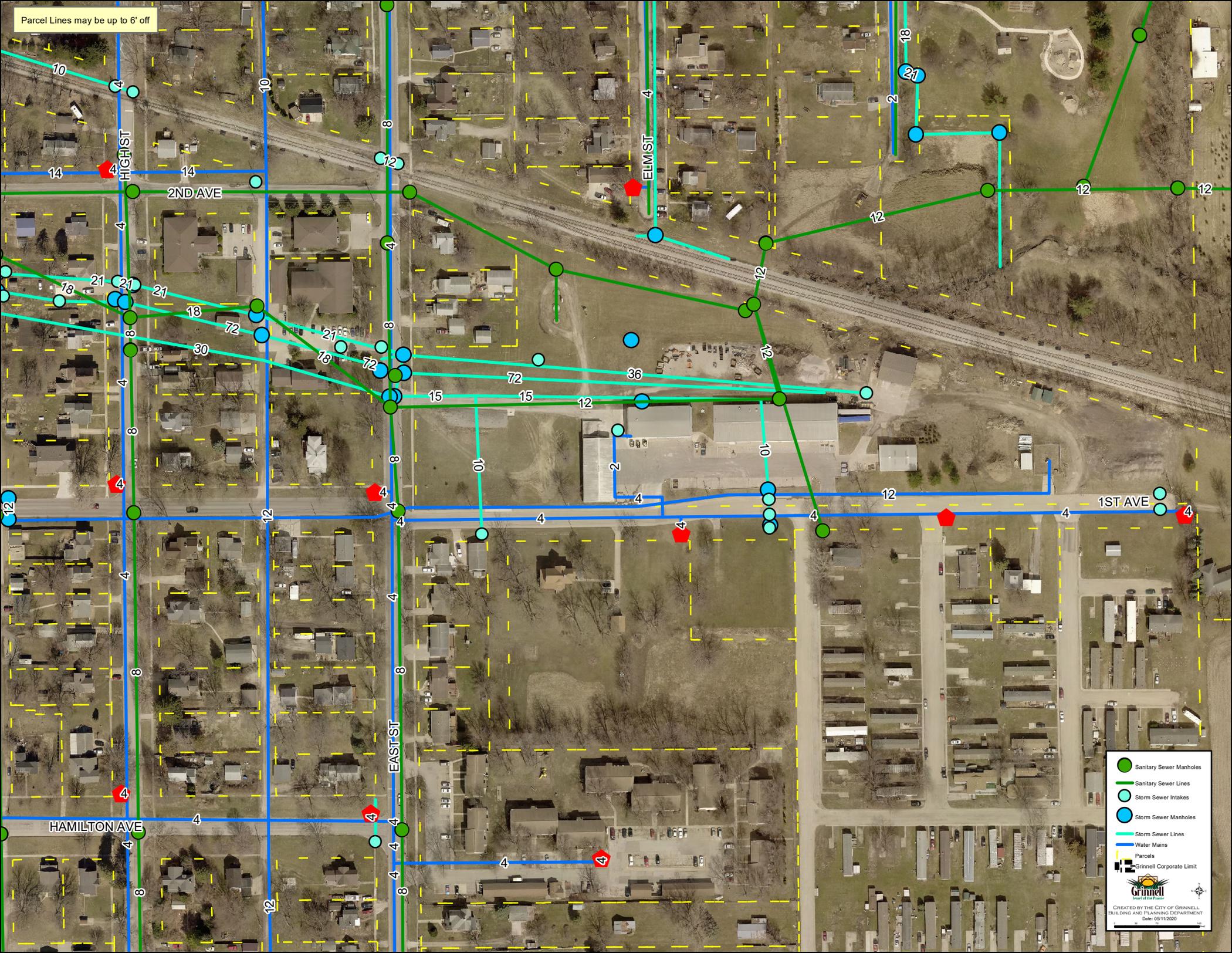
Fiber tie point is GRL-SP0002.
New placement of 1255' of 24 count fiber.

Install vault with fiber storage near
Dish Fiber new pedestal. Terminate at
rack mounted panel in Dish Fiber pedestal.

Google Earth

© 2018 Google

Parcel Lines may be up to 6' off



- Sanitary Sewer Manholes
- Sanitary Sewer Lines
- Storm Sewer Intakes
- Storm Sewer Manholes
- Storm Sewer Lines
- Water Mains
- Parcels
- Grinnell Corporate Limit

Grinnell
Smart at the Heart of the Prairie

CREATED BY THE CITY OF GRINNELL
BUILDING AND PLANNING DEPARTMENT
Date: 09/19/2020

City of Grinnell

**PUBLIC RIGHT-OF-WAY
COMMUNICATIONS SYSTEM
LICENSE APPLICATION
ORDINANCE NO. 1060**

OSP-19606 / WO# 71330200400000

1. Applicant: Windstream Iowa Communications, LLC 4001 N. Rodney Parham Rd
Name Address
Little Rock, AR 72212 501-748-7984
City, State Zip Telephone
2. Contact Person: Kyle Petty 4001 N. Rodney Parham Rd
Name Address
Little Rock, AR 72212 501-748-7984
City, State Zip Telephone

3. Application requires an engineering site plan for the proposed system that is to be placed within the City Right-of-way. Check off each of these items as they are included on the site plan:

- Plans drawn to scale.
- Street names.
- Right-of-way widths.
- Pavement widths.
- Sidewalk location and width including sidewalk ramps.
- Obstacles or improvements that are in or near the work area.
An example of such are: existing trees, fence, drainage structures,
Water stop-boxes, ditches, and utility vaults.
- Horizontal and vertical location and physical size of the proposed utility.
- Proposed construction work method such as "open cut" or "bore".
- A drawing and explanation of concrete or asphalt restoration.
- Information regarding sod work and tree replacement.
- Location of other existing utilities within the work area.
- Typical detail sections where special attention is required for some restoration work.
- Excavation soil replacement and compaction requirements. Aggregate replacement under street surfaces, soil backfill outside of 5' from edge of street surface.
- Detailed time schedule.
- Address of adjacent properties.
- Legal description of communication system location.

4. List any other items of concern particular to this project:
5. **Administrative Fee:** An Administrative fee of \$50.00 shall be due and payable to the City Engineer at the time of filing of the initial license application and at the time of filing of each proposed amendment to the license. (Attach copy of receipt)
Receipt No. __.
6. **Use Fee: (Serving no additional customers)** If the licensed serves no customers other than itself, then in addition to the Administrative Fee, the licensee shall pay a use fee to the City Engineer at the time of filing of the initial license application. The amount of the use fee shall be the greater of the following two (2) amounts: \$100.00 or \$1.00 per lineal foot of route traversed by the communication line within any public right-of-way in a C-2 zone and \$0.50 per lineal foot in any other part of the city. At the time of filing of each proposed amendment to the license involving an increase in the length of route traversed within public right-of-way, the licensee shall pay to the City Engineer an additional fee computed at the rate of \$1.00 per lineal foot of additional route of traversed within any public right-of-way.

(Serving additional customers) If the licensed system serves customers other than the licensee itself, then, in addition to the administrative fee, the licensee shall pay an annual use fee to the City Engineer. The annual use fee shall be based on a license year ending on March 31 of each year, and the use fee for each license year shall be due and payable at the end of such year on March 31, or if the license has terminated during such year, on the date of termination. The amount of the annual use fee shall be the greater of the following two (2) amounts: \$100.00, or three percent of the gross revenues derived by the licensee from the sale or exchange of services in connection with the operation of the licensee's communications system within the public right-of-way during the license year. Each annual use fee payment shall be accompanied by a report from the licensee in a form approved by the City Manager and the city legal department showing the basis for the computation of the fee and such other relevant data as may be required by the City Manager and the city legal department. Each such report shall contain a notarized verification by the chief financial officer of the licensee, and upon request by the city, such reports shall be verified by a certified public accountant at the expense of the licensee.

Office Use Only

Fees: Administrative Fee:			<u>\$50.00</u>
Use Fee:			
(No Additional Customers) Greater of \$100.00 or:			
Linear Feet Within C-2:		x \$1.00	
Linear Feet Outside C-2:	250	x \$0.50	125.00
		<u>Total:</u>	<u>\$175.00</u>

**(Additional Customers) Greater of \$100.00 or 3% Gross Revenues from Services.
Paid annually.**

Date of Acceptance 5-11-2020

Date of Approval _____

Staff TA

OGAN-AVE

40000/2.20

HOMW(B): 2
HO1(B): 2

40000/2.20
BDO



40000/INPK
 IN:ANA810,1-600
 OUT:IP,1-25
 OUT:8,326-350
 OUT:IP,51-350
 OUT:8,76-100
 OUT:IP,351-1200
 IN:ANA810,601-650
 IN:8,351-375
 IN:IP,676-700
 IN:ANA810,701-850
 IN:8,301-325
 IN:IP,876-900
 IN:DSLIN,1-100
 IN:DSLOUT,1-100
 IN:ANA810,1101-1200
 OUT:XD,1-25
 OUT:IP,1201-1400
 OUT:XD,1-400

40000/5BIN
 GRNLIU0004
 IN:F5,47-48
 IN:XD,3-6
 OUT:5BIN,1-600

4000/1
 LP#
 INDUCTOR

SITE 5C 5BIN

40000/2.4
 RPTR
 RPTR 1(A)
 IP,418
 IP,423
 T:IP,222
 R:IP,223
 T:IP,246
 R:IP,247

40000/2.4
 RPTR
 ***-11
 RPTR 1
 8,90-90
 IP,413-413
 8,84-84
 IP,445-445
 8,95-95
 IP,311-311
 8,369-369
 IP,418-418
 8,118-118
 8,307-307
 IP,380-380

40000/2.40
 UPC1248-B

32260
 AB UKF 1200-24
 32' (97)

BFCR 600-24
 54' (16)
 5BIN,1-600

UKF 400-24
 872' (01)
 IP,1001-1400

OFNP 6
 100' (16)
 F5,47-48
 XD,3-6

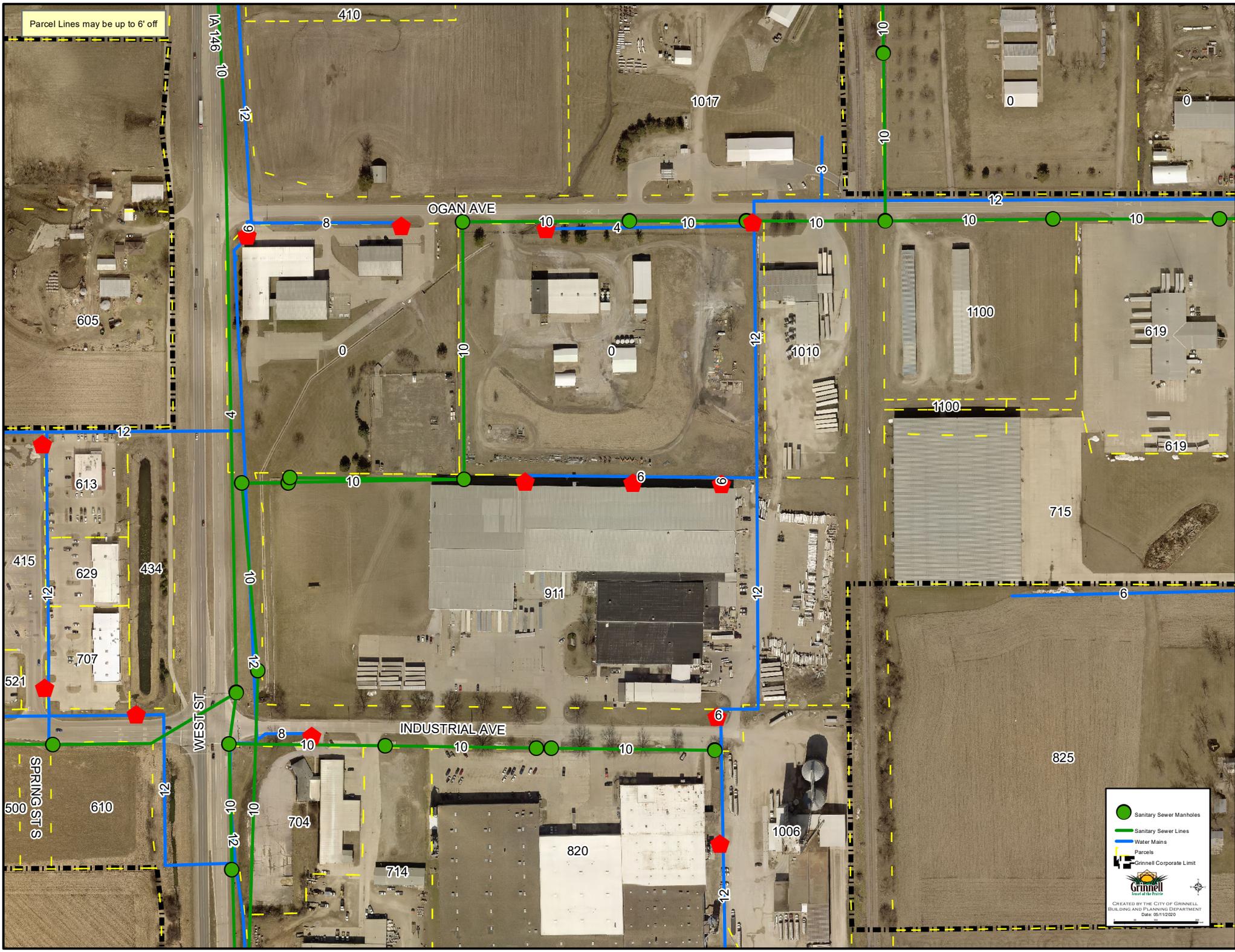
YFN 12
 234 (97)
 F5,37-48

IF NOT SPLICED
 BMSP4: 30
 HO1(B): 12

TO SHEET 2

JOB DESCRIPTION EI GRNLI A UNITYPOINT ENS 704 INDUSTRIAL			ENGINEER CHRIS COOK	CONST MANAGER	EXCHANGE GRNLI A	ISSUE DATE 1/22/2020	REV DATE	REV #	SHEET # 1	OF 2
FTBB N/A	WORK ORDER 71330200400000-2020	DISTRICT	PHONE 641-437-4826	CM PHONE NBR	JOINT WORK REQ N/A	PERMIT REQUEST				
AWGF N/A	GEO BLOCK N/A	TAX DISTRICT	REQUESTED BY	OTHER CONTACTS	CIRCUIT ID N/A	CUT SHT REQ	MOP REQ			

Parcel Lines may be up to 6' off



● Sanitary Sewer Manholes
— Sanitary Sewer Lines
— Water Mains
— Parcels
— Grinnell Corporate Limit

CREATED BY THE CITY OF GRINNELL,
BUILDING AND PLANNING DEPARTMENT
DATE: 05/11/2020

City of Grinnell

**PUBLIC RIGHT-OF-WAY
COMMUNICATIONS SYSTEM
LICENSE APPLICATION
ORDINANCE NO. 1060**

OSP-17437 / JobTrac #713392418

1. Applicant: Windstream Iowa Communications, LLC 4001 N. Rodney Parham Road, B3F3 #3310B
Name Address
Little Rock, AR 72212 501-748-9471
City, State Zip Telephone
2. Contact Person: Deanna L. Phillips 4001 N. Rodney Parham Road, B3F3 #3310B
Name Address
Little Rock, AR 72212 501-748-9471
City, State Zip Telephone

3. Application requires an engineering site plan for the proposed system that is to be placed within the City Right-of-way. Check off each of these items as they are included on the site plan:

- Plans drawn to scale.
- Street names.
- Right-of-way widths.
- Pavement widths.
- Sidewalk location and width including sidewalk ramps.
- Obstacles or improvements that are in or near the work area.
An example of such are: existing trees, fence, drainage structures,
Water stop-boxes, ditches, and utility vaults.
- Horizontal and vertical location and physical size of the proposed utility.
- Proposed construction work method such as "open cut" or "bore".
- A drawing and explanation of concrete or asphalt restoration.
- Information regarding sod work and tree replacement.
- Location of other existing utilities within the work area.
- Typical detail sections where special attention is required for some restoration work.
- Excavation soil replacement and compaction requirements. Aggregate replacement under street surfaces, soil backfill outside of 5' from edge of street surface.
- Detailed time schedule.
- Address of adjacent properties.
- Legal description of communication system location.

4. List any other items of concern particular to this project:
5. **Administrative Fee:** An Administrative fee of \$50.00 shall be due and payable to the City Engineer at the time of filing of the initial license application and at the time of filing of each proposed amendment to the license. (Attach copy of receipt)
Receipt No. .
6. **Use Fee: (Serving no additional customers)** If the licensed serves no customers other than itself, then in addition to the Administrative Fee, the licensee shall pay a use fee to the City Engineer at the time of filing of the initial license application. The amount of the use fee shall be the greater of the following two (2) amounts: \$100.00 or \$1.00 per lineal foot of route traversed by the communication line within any public right-of-way in a C-2 zone and \$0.50 per lineal foot in any other part of the city. At the time of filing of each proposed amendment to the license involving an increase in the length of route traversed within public right-of-way, the licensee shall pay to the City Engineer an additional fee computed at the rate of \$1.00 per lineal foot of additional route of traversed within any public right-of-way.

(Serving additional customers) If the licensed system serves customers other than the licensee itself, then, in addition to the administrative fee, the licensee shall pay an annual use fee to the City Engineer. The annual use fee shall be based on a license year ending on March 31 of each year, and the use fee for each license year shall be due and payable at the end of such year on March 31, or if the license has terminated during such year, on the date of termination. The amount of the annual use fee shall be the greater of the following two (2) amounts: \$100.00, or three percent of the gross revenues derived by the licensee from the sale or exchange of services in connection with the operation of the licensee's communications system within the public right-of-way during the license year. Each annual use fee payment shall be accompanied by a report from the licensee in a form approved by the City Manager and the city legal department showing the basis for the computation of the fee and such other relevant data as may be required by the City Manager and the city legal department. Each such report shall contain a notarized verification by the chief financial officer of the licensee, and upon request by the city, such reports shall be verified by a certified public accountant at the expense of the licensee.

Office Use Only

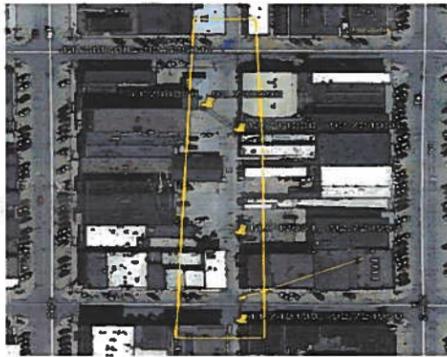
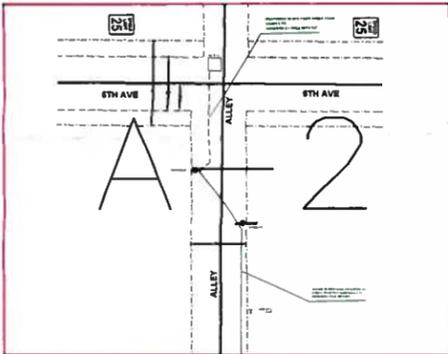
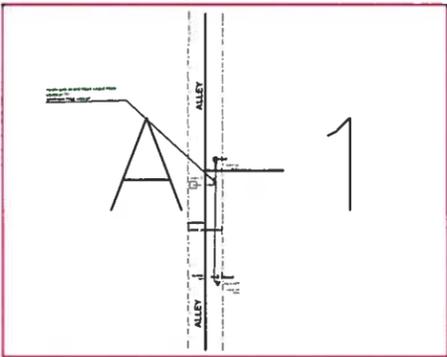
Fees: Administrative Fee:			<u>\$50.00</u>
Use Fee:			
(No Additional Customers) Greater of \$100.00 or:			
Linear Feet Within C-2:	<u>117</u>	x \$1.00	<u>117.00</u>
Linear Feet Outside C-2:	<u>27</u>	x \$0.50	<u>13.50</u>
		Total:	\$ <u>180.50</u>

**(Additional Customers) Greater of \$100.00 or 3% Gross Revenues from Services.
Paid annually.**

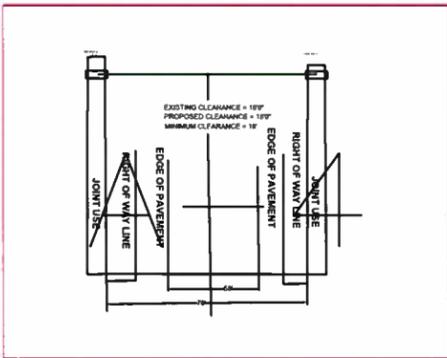
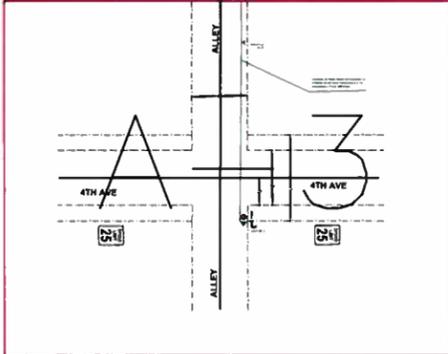
Date of Acceptance 5-12-2020

Date of Approval _____

Staff TJA



A PROFILE 1



LEGEND

- # MULTI DWELLING UNIT (MDU)
- # BUSINESS
- EXISTING POLES
- EXISTING COPPER
- CABLE EXISTING TERMINAL
- SPLICE CASE W/ SPLITTER
- FOSC
- SPLICE ARROW
- FDC FIBER DISTRIBUTION CABINET
- PROPOSED AERIAL FIBER
- PROPOSED BURIED FIBER
- EXISTING AERIAL FIBER
- EXISTING BURIED FIBER
- CONDUIT
- AERIAL TERMINAL
- BURIED TERMINAL
- NEW DROP
- PROPOSED AERIAL MST FIBER
- PROPOSED BURIED MST FIBER

DATE CREATED: 01/09/2020
 DATE REVISED:
 DRAWN BY: CAMERON BALDWIN

N

 SCALE: NTS

COMPANY: WINDSTREAM
 SYSTEM: GRINNELL, IA
 PROJECT NUMBER: 713392418
 DESCRIPTION: SESB1065
 GRINNELL, IA SERVING AREA
 MAP: **MAP**
CYIENT INC

PRAPOSING 48 BFO FIBER CABLE FROM
UG/MH 27 TO
32645/1204 POLE WITH 27'.

ALLEY

ALLEY

GPS:41.748294,
-92.725006

UG/MH 27

6'

12'

32645/1207
50-05

4'
GPS:41.748328, -92.724956
32645/1204
30-05

4'
HOA: 18'5"
32645/1207
50-05
GPS:41.747942, -92.724953

DATE CREATED: 01/09/2020

DATE REVISED:

DRAWN BY: CAMERON BALDWIN



SCALE: 1:50

COMPANY: WINDSTREAM

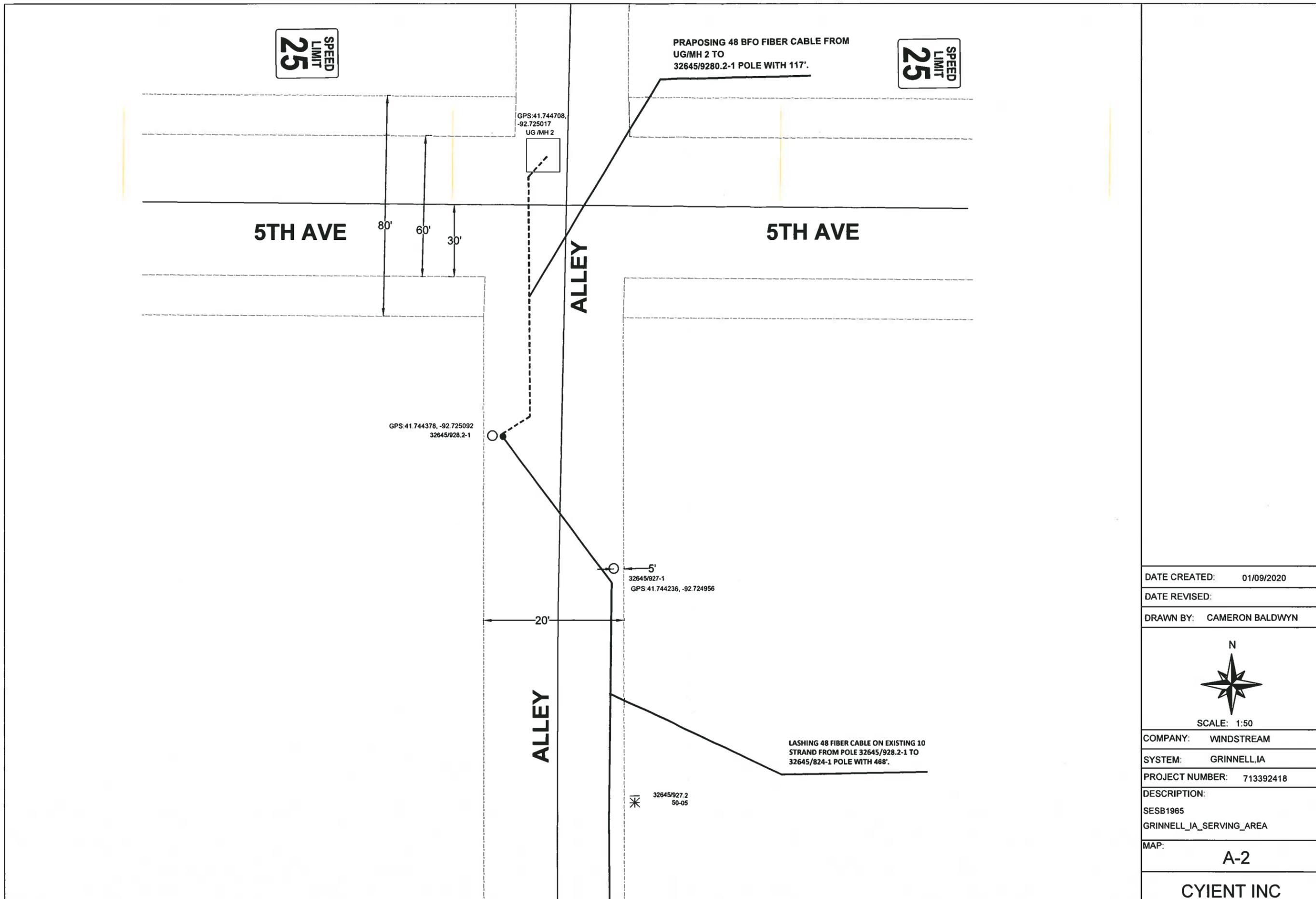
SYSTEM: GRINNELL, IA

PROJECT NUMBER: 713392418

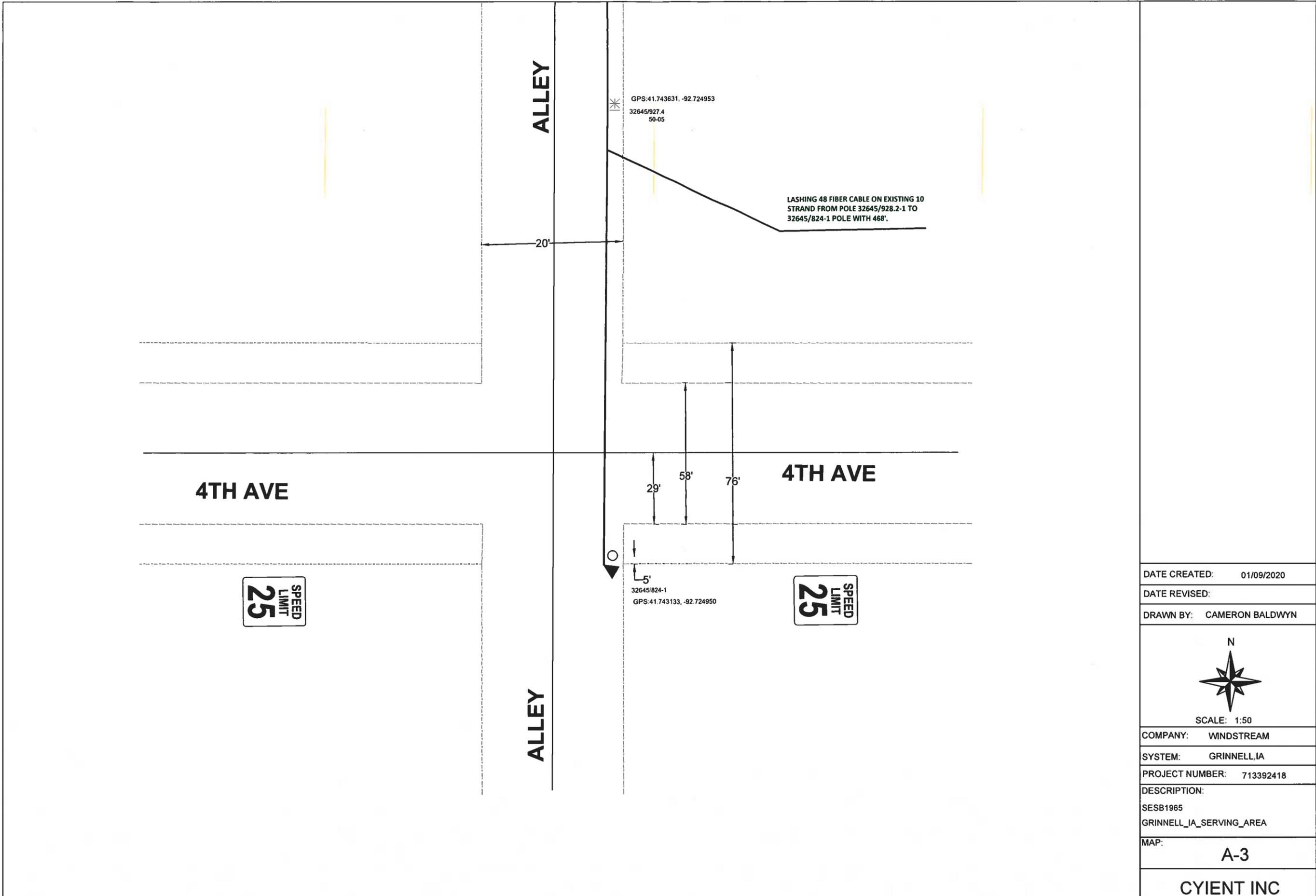
DESCRIPTION:
SESB1965
GRINNELL_IA_SERVING_AREA

MAP:
A-1

CYIENT INC



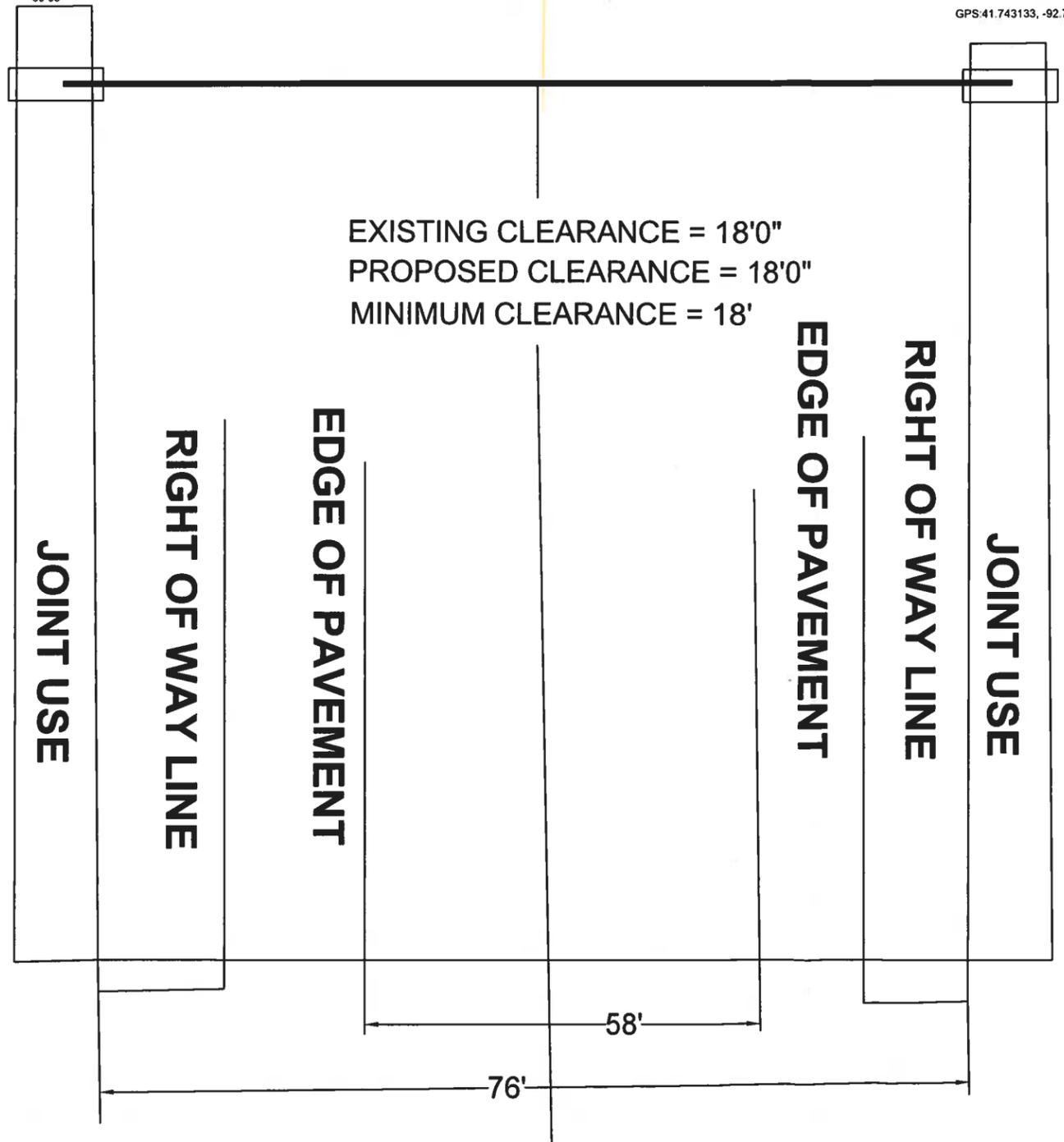
DATE CREATED:	01/09/2020
DATE REVISED:	
DRAWN BY:	CAMERON BALDWIN
 SCALE: 1:50	
COMPANY:	WINDSTREAM
SYSTEM:	GRINNELL, IA
PROJECT NUMBER:	713392418
DESCRIPTION:	SESB1965 GRINNELL_IA_SERVING_AREA
MAP:	A-2
CYIENT INC	



DATE CREATED:	01/09/2020
DATE REVISED:	
DRAWN BY:	CAMERON BALDWIN
 SCALE: 1:50	
COMPANY:	WINDSTREAM
SYSTEM:	GRINNELL, IA
PROJECT NUMBER:	713392418
DESCRIPTION:	SESB1965 GRINNELL, IA_SERVING_AREA
MAP:	A-3
CYIENT INC	

GPS:41.743631, -92.724953
32645/927.4
50-05

32645/824-1
GPS:41.743133, -92.724950



DATE CREATED: 01/09/2020

DATE REVISED:

DRAWN BY: CAMERON BALDWIN



SCALE: 1:50

COMPANY: WINDSTREAM

SYSTEM: GRINNELL, IA

PROJECT NUMBER: 713392418

DESCRIPTION:

SESB1965

GRINNELL_JA_SERVING_AREA

MAP:

A-4

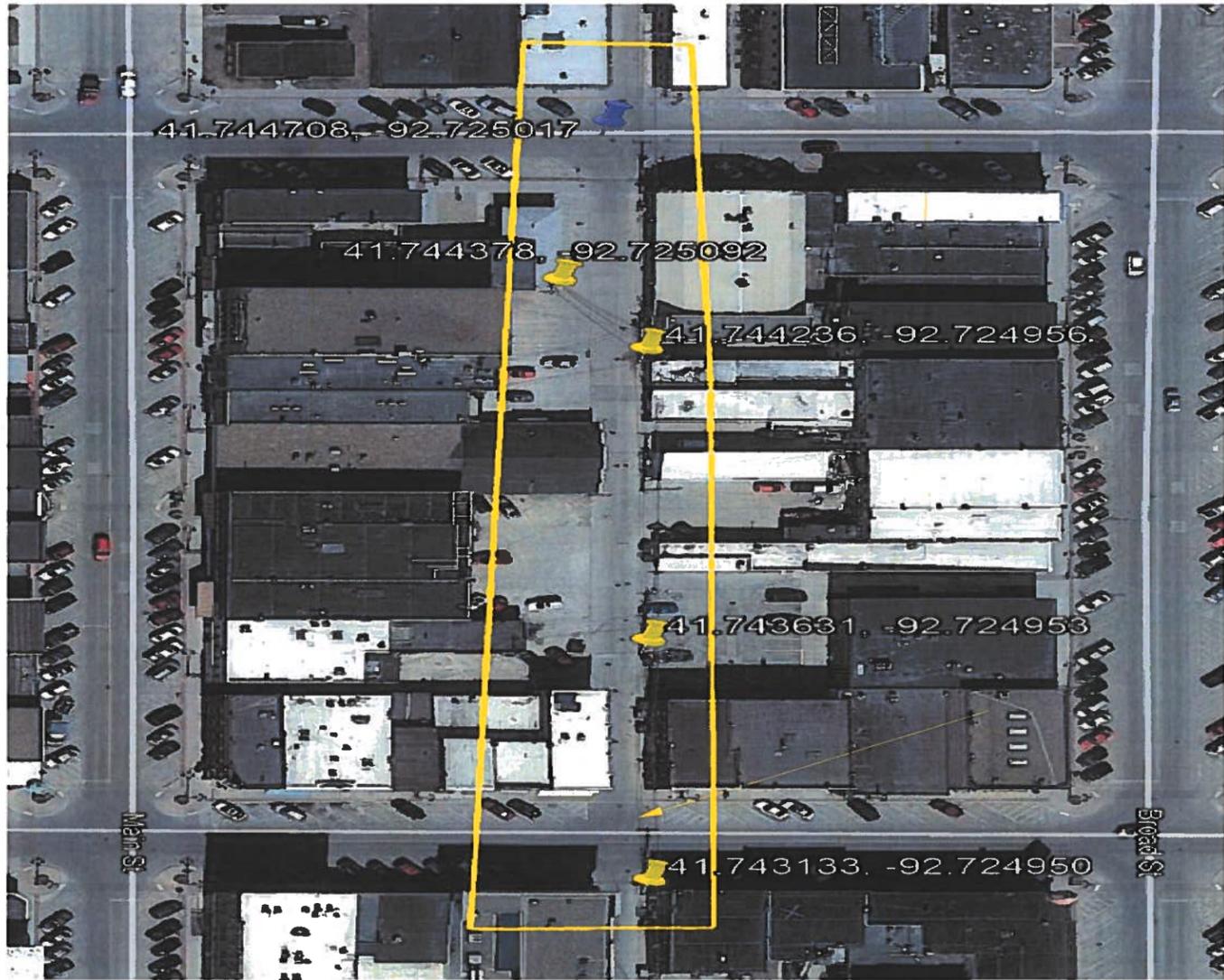
CYIENT INC



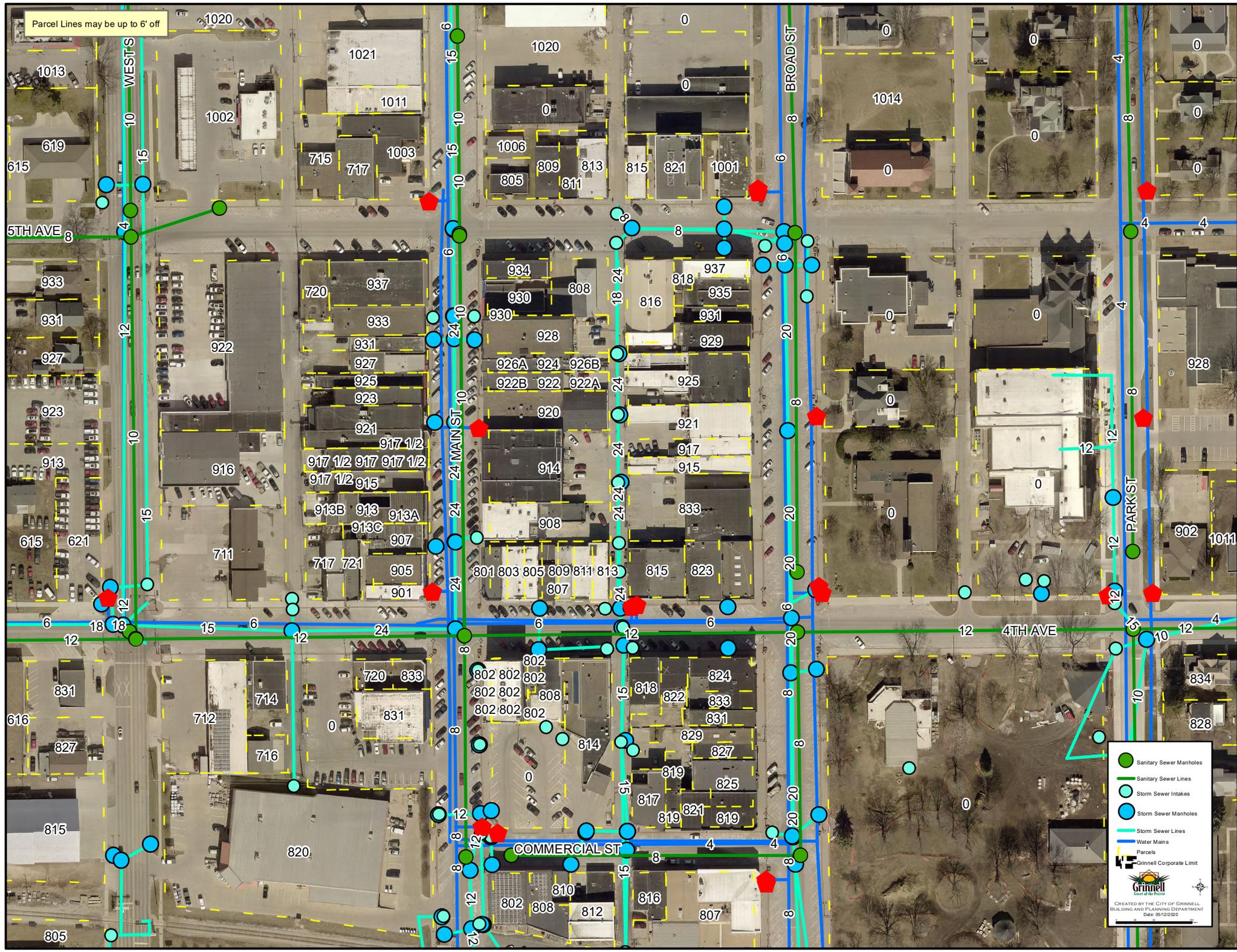
41.748328, -92.724956

41.748294, -92.725006

41.747942, -92.724953



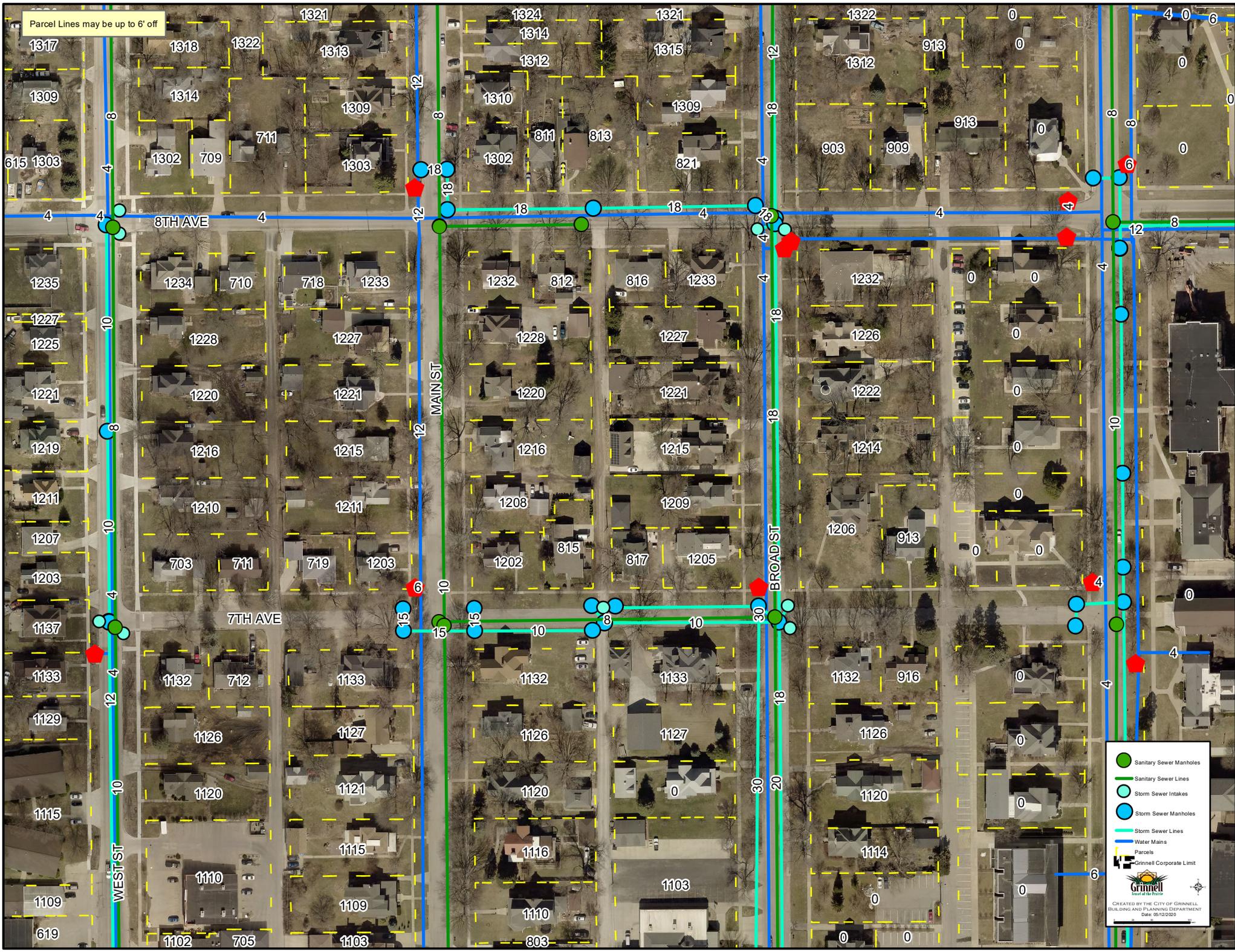
Parcel Lines may be up to 6' off



- Sanitary Sewer Manholes
- Sanitary Sewer Lines
- Storm Sewer Intakes
- Storm Sewer Manholes
- Storm Sewer Lines
- Water Mains
- Parcels
- Grinnell Corporate Limit

CREATED BY THE CITY OF GRINNELL,
BUILDING AND PLANNING DEPARTMENT
DATE: 05/12/2020

Parcel Lines may be up to 6' off



- Sanitary Sewer Manholes
- Sanitary Sewer Lines
- Storm Sewer Intakes
- Storm Sewer Manholes
- Storm Sewer Lines
- Water Mains
- Parcels
- Grinnell Corporate Limit

Grinnell
City of Grinnell
BUILDING AND PLANNING DEPARTMENT
Date: 05/12/2020