



**Grinnell PUBLIC WORKS AND GROUNDS Meeting  
MONDAY, AUGUST 3, 2020 AT 4:45 P.M.  
VIA ZOOM**

Join Zoom Meeting

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Meeting ID: 997 4025 5206

Passcode: 758837

One tap mobile

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## ***TENTATIVE AGENDA***

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**ROLL CALL:** Hueftle-Worley (Chair), Wray, Gaard.

### **PERFECTING AND APPROVAL OF AGENDA:**

### **COMMITTEE BUSINESS:**

1. Consider resolution approving contract change order No. 1 in the amount of \$481.76 for an increase to the contract Unified Contracting Services, Inc. of Des Moines, Iowa for the Fuel System Improvements Project (See Resolution No. 2020-122).
2. Consider resolution authorizing payment of contractor's pay request No. 5 in the amount of \$24,510.29 to Unified Contracting Services, Inc. of Des Moines, Iowa for the Fuel System Improvements Project (See Resolution No. 2020-123).
3. Consider resolution authorizing payment of contractor's pay request No. 29 in the amount of \$142,108.78 to WRH, Inc. of Amana, Iowa for the Wastewater Treatment Facility Improvements (See Resolution No. 2020-124).
4. Consider resolution authorizing payment of contractor's pay request No. 30 in the amount of \$334,108.00 to WRH, Inc. of Amana, Iowa for the Wastewater Treatment Facility Improvements (See Resolution No. 2020-125).
5. Consider resolution authorizing payment of contractor's pay request No. 1 in the amount of \$47,954.10 to Jasper Construction Services, Inc. of Newton, Iowa for the 8th Avenue Repair Project (See Resolution No. 2020-126).
6. Consider resolution approving an agreement with IDOT for the Hwy 6 Water Main Relocation Project (See Resolution No 2020-127).
7. Consider resolution approving an agreement with Republic Services of Iowa for the hauling away of recyclable materials (See Resolution No. 2020-128).
8. Consider Windstream ROW request, Penrose St.

9. Consider Windstream ROW request, 6th Ave.
10. Consider Windstream ROW request, 11th Ave and West St.
11. Consider City of Pella – Pella Fiber ROW request, 1st Ave to UnityPoint Grinnell.

**INQUIRIES:**

**ADJOURNMENT:**

RESOLUTION NO. 2020-122

A RESOLUTION APPROVING CONTRACT CHANGE ORDER NO. 1 IN THE AMOUNT OF \$481.76 FOR AN INCREASE TO THE CONTRACT WITH UNIFIED CONTRACTING SERVICES, INC, OF DES MOINES, IOWA FOR THE FUEL SYSTEM IMPROVEMENTS PROJECT.

WHEREAS, the City of Grinnell did enter into a contract with Unified Contracting Services, Inc. of Des Moines, Iowa on July 15, 2019; and

WHEREAS, Unified Contracting Services, Inc. of Des Moines, Iowa, has submitted Contract Change Order No. 1 for a net increase of \$481.76 and

WHEREAS, the Project Engineer has reviewed the change order and recommends approval of Contract Change Order No. 1; and

NOW, THEREFORE, BE IT RESOLVED, by the City Council of Grinnell, Iowa, in regular session this 3rd day of August 2020 that the contract amount has decreased by \$481.76 in accordance with Contract Change Order No. 1 is hereby approved as executed.

Passed and adopted this 3rd day of August 2020.

\_\_\_\_\_  
Dan F. Agnew, Mayor

Attest:

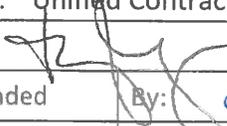
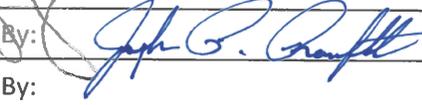
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Annmarie Wingerter, City Clerk

Project: Fuel System Improvements	Change Order # 1
Iowa DOT PN. 9I170GGI100 & 9I181GGU100	
Iowa DOT Contract No. 18550 & 19534	CGA PN: 4456.06
Owner: City of Grinnell	Contract Date: 7/25/2019
Contractor: Unified Contracting Services, Inc.	Contract Amount: \$408,613.31

*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
This Change Order adjusts plan quantities to final field measured quantities.	
<ul style="list-style-type: none"> <li>• Item No. 7 – Removal of Sidewalk Decrease 22.70 SY @ \$28.93/SY</li> <li>• Item No. 8 – PCC Sidewalk, 4" Decrease 22.70 SY @ \$100.03/SY</li> <li>• Item No. 16 – 3/4" PVC Coated RGS Conduit, Trenched Decrease 40.0 LF @ \$13.07/ LF</li> <li>• Item No. 17 – 3/4" HDPE Conduit, Trenched Increase 863.0 LF @ \$9.52/ LF</li> <li>• Item No. 18 – 3/4" HDPE Conduit, Directional Bored Decrease 600.0 LF @ \$9.33/ LF</li> <li>• Item No. 19 – 1" HDPE Conduit, Trenched Increase 412.0 LF @ \$10.69/ LF</li> <li>• Item No. 20 – 1" HDPE Conduit, Directional Bored Decrease 300.0 LF @ \$8.91/ LF</li> <li>• Item No. 21 – #8 AWG, THWN-2 Cable, Installed in Duct or Conduit Increase 12.0 LF @ \$2.40/ LF</li> <li>• Item No. 22 – #8 AWG, THWN-2, Stranded Equipment Ground, Insulated, Installed In Duct Or Conduit Increase 6.0 LF @ \$2.80 / LF</li> <li>• Item No. 23 – #10 AWG, THWN-2 Cable, Installed In Duct Or Conduit Increase 78.0 LF @ \$1.97/ LF</li> <li>• Item No. 24 – #10 AWG, THWN-2, Stranded Equipment Ground, Insulated, Installed In Duct Or Conduit Decrease 11.0 LF @ \$1.40/ LF</li> <li>• Item No. 25 – #12 AWG, THWN-2 Cable, Installed In Duct Or Conduit Decrease 210.0 LF @ \$1.70/ LF</li> </ul>	<p>-\$656.71</p> <p>-\$2,270.68</p> <p>-\$522.80</p> <p>+\$8,215.76</p> <p>-\$5,598.00</p> <p>+\$4,404.28</p> <p>-\$2,673.00</p> <p>+\$28.80</p> <p>+\$16.80</p> <p>+\$153.66</p> <p>-\$15.40</p> <p>-\$357.00</p>

<ul style="list-style-type: none"> <li>Item No. 26 – #12 AWG, THWN-2, Stranded Equipment Ground, Insulated, Installed in Duct or Conduit Decrease 119.0 LF @ \$2.05/ LF</li> </ul>	-\$243.95
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Net Change This Order (+ or -)				+\$481.76
Net Changes Previous Orders:				\$0.00
Total Net Changes to Date:				+\$481.76
Contract Completion Date N/A	Days Increased N/A	Days Decreased N/A	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: Unified Contracting Services, Inc.			Date: 7/27/20	
By: 		Title: OFFICE MANAGER		
Recommended	By: 	Title: Project Manager	Date: 07/27/2020	
Approved	By:	Title:	Date:	

RESOLUTION NO. 2020-123

A RESOLUTION AUTHORIZING PAYMENT OF CONTRACTOR'S PAY REQUEST NO. 5 IN THE AMOUNT OF \$24,510.29 TO UNIFIED CONTRACTING SERVICES OF DES MOINES, IA FOR WORK COMPLETED ON THE FUEL SYSTEM IMPROVEMENTS PROJECT

WHEREAS, the City of Grinnell did enter into a contract with Unified Contracting Services of Des Moines, IA on July 15, 2019 for the Fuel Systems Improvements Project and

WHEREAS, Pay Request No. 5 has been initiated by the City of Grinnell and Unified Contracting Services, Inc of Des Moines, IA; and

WHEREAS, the Project Engineer has verified completion of the project in accordance with the terms of the contract and recommends approval of Pay Request No. 5; and

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GRINNELL, IOWA,

Section 1. That said improvements are hereby accepted as having been substantially completed in accordance with the said plans, specifications and contract. The City Clerk is hereby authorized and directed to make payment in the amount of \$24,510.29 to Unified Contracting Services, Inc of Des Moines, Iowa.

Passed and adopted this 3rd day of August 2020.

\_\_\_\_\_  
Dan F. Agnew, Mayor

Attest:

\_\_\_\_\_  
Annmarie Wingerter, City Clerk/Finance Director

# CONSTRUCTION PROGRESS REPORT

**Project Description:** Fuel System Improvements  
Grinnell Regional Airport  
Grinnell, Iowa

**Date of Contract:** July 25, 2019

**Estimate No:** 5

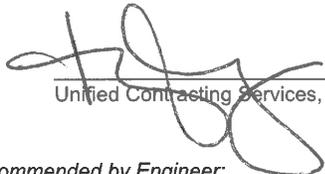
**Completion Date:**

**Contractor:** Unified Contracting Services, Inc.

**Owner:** City of Grinnell, Iowa

Base Contract Price	\$408,613.31	Construction Completed ( See Attached Tab)	\$409,095.07
Change Order No.1	\$481.76	Stored Materials	\$0.00
		Total Amount Earned	\$409,095.07
		Less 5% Retainage	-\$20,454.75
		Subtotal	\$388,640.32
		Less Previous Payment	\$364,130.03
<b>Total Contract Amount</b>	<b>\$409,095.07</b>	<b>AMOUNT DUE THIS ESTIMATE</b>	<b>\$24,510.29</b>

**Requested by Contractor:**

  
 \_\_\_\_\_  
 Unified Contracting Services, Inc.

Office Manager  
 \_\_\_\_\_  
 Title

7/27/20  
 \_\_\_\_\_  
 Date

**Recommended by Engineer:**

  
 \_\_\_\_\_  
 Clapsaddle-Garber Associates, Inc.

Project Engineer  
 \_\_\_\_\_  
 Title

07/27/2020  
 \_\_\_\_\_  
 Date

**Approved by Owner:**

\_\_\_\_\_  
 City of Grinnell

\_\_\_\_\_  
 Title

\_\_\_\_\_  
 Date

Tabulation of Construction Quantities Fuel System Improvements Grinnell Regional Airport Grinnell, Iowa  Period Ending: July 24, 2020 Estimate No.: 5							
Item No	Description	Unit	Unit Bid Price	Contract		Completed	
				Quantity	Amount	Quantity	Amount
<b>Fuel System - Iowa DOT Contract No. 18550 (80/20)</b>							
1	Safety Plan, Traffic Control and Mobilization	LS	\$11,700.00	1	\$11,700.00	1	\$11,700.00
2	Relocate Existing Card Reader	LS	\$3,940.00	1	\$3,940.00	1	\$3,940.00
3	Temporarily Relocate Existing Jet A Dispenser	LS	\$6,922.00	1	\$6,922.00	1	\$6,922.00
4	Preliminary Soil Sampling and Testing for Petroleum Contamination	LS	\$3,700.00	1	\$3,700.00	1	\$3,700.00
5	Excavation, Grading and Subgrade Preparation	LS	\$8,958.00	1	\$8,958.00	1	\$8,958.00
6	Tank and Dispenser Slab, Bollards and Appurtenances	LS	\$42,771.00	1	\$42,771.00	1	\$42,771.00
9	12,000 Gallon Jet A Fuel Tank System	EA	\$88,660.00	1	\$88,660.00	1	\$88,660.00
10	6,000 Gallon Av Gas Fuel Tank System	EA	\$54,374.00	1	\$54,374.00	1	\$54,374.00
13	Relocate Existing Light Pole and Fixture	LS	\$3,170.00	1	\$3,170.00	1	\$3,170.00
14	Fire Extinguisher and Cabinet	LS	\$855.81	1	\$855.81	1	\$855.81
27	Seeding, Fertilizing And Mulching	LS	\$4,575.00	1	\$4,575.00	1	\$4,575.00
A1-28	Removal of Existing Underground Tanks	LS	\$17,500.00	1	\$17,500.00	1	\$17,500.00
A1-30	Sampling and Testing for Petroleum Contamination	LS	\$5,280.00	1	\$5,280.00	1	\$5,280.00
<b>Total Fuel System</b>					<b>\$252,405.91</b>		<b>\$252,405.91</b>
<b>Retainage Fuel System</b>							<b>\$12,620.29</b>
<b>Previous Work Paid</b>							<b>\$215,807.33</b>
<b>Current Work Paid</b>							<b>\$23,978.29</b>
<b>Work to Date Paid</b>							<b>\$239,785.62</b>
<b>Fuel Dispenser - Iowa DOT Contract No. 19534 (75/25)</b>							
7	Removal of Sidewalk	SY	\$28.93	30	\$867.90	7.30	\$211.19
8	PCC Sidewalk, 4"	SY	\$100.03	30	\$3,000.90	7.30	\$730.22
11	Av Gas Fuel Cabinet	EA	\$53,034.00	1	\$53,034.00	1	\$53,034.00
12	Jet A Fuel Cabinet	EA	\$55,947.00	1	\$55,947.00	1	\$55,947.00
15	Terminal Building Electrical Improvements	LS	\$18,920.00	1	\$18,920.00	1	\$18,920.00
16	3/4" PVC Coated RGS Conduit, Trenched	LF	\$13.07	80	\$1,045.60	40	\$522.80
17	3/4" HDPE Conduit, Trenched	LF	\$9.52	200	\$1,904.00	1063	\$10,119.76
18	3/4" HDPE Conduit, Directional Bored	LF	\$9.33	600	\$5,598.00	0	\$0.00
19	1" HDPE Conduit, Trenched	LF	\$10.69	100	\$1,069.00	512	\$5,473.28
20	1" HDPE Conduit, Directional Bored	LF	\$8.91	300	\$2,673.00	0	\$0.00
21	#8 AWG, THWN-2 Cable, Installed In Duct Or Conduit	LF	\$2.40	500	\$1,200.00	512	\$1,228.80
22	#8 AWG, THWN-2, Stranded Equipment Ground, Insulated, Installed In Duct Or Conduit	LF	\$2.80	250	\$700.00	256	\$716.80
23	#10 AWG, THWN-2 Cable, Installed In Duct Or Conduit	LF	\$1.97	900	\$1,773.00	978	\$1,926.66
24	#10 AWG, THWN-2, Stranded Equipment Ground, Insulated, Installed In Duct Or Conduit	LF	\$1.40	500	\$700.00	489	\$684.60
25	#12 AWG, THWN-2 Cable, Installed In Duct Or Conduit	LF	\$1.70	3,500	\$5,950.00	3290	\$5,593.00
26	#12 AWG, THWN-2, Stranded Equipment Ground, Insulated, Installed In Duct Or Conduit	LF	\$2.05	500	\$1,025.00	381	\$781.05
A1-29	Removal of Existing Cabinets	LS	\$800.00	1	\$800.00	1	\$800.00
<b>Total Fuel Dispenser</b>					<b>\$156,207.40</b>		<b>\$156,689.16</b>
<b>Retainage Fuel Dispenser</b>							<b>\$7,834.46</b>
<b>Previous Work Paid</b>							<b>\$148,322.70</b>
<b>Current Work Paid</b>							<b>\$532.00</b>
<b>Work to Date Paid</b>							<b>\$148,854.70</b>
<b>Total Fuel System and Fuel Dispenser (This Period)</b>							<b>\$24,510.29</b>
<b>Total Retainage Fuel System and Fuel Dispenser (This Period)</b>							<b>\$20,454.75</b>
<b>Total Construction Completed</b>							<b>\$409,095.07</b>
<b>Previously Paid</b>							<b>\$364,130.03</b>

Prepared by  
 Clapsaddle-Garber Associates, Inc.  
 Marshalltown, Iowa

RESOLUTION NO. 2020-124

A RESOLUTION AUTHORIZING PAYMENT OF CONTRACTOR'S PAY REQUEST NO. 29 IN THE AMOUNT OF \$135,871.85 TO WRH, INC OF AMANA, IOWA FOR WORK COMPLETED ON THE WASTEWATER TREATMENT FACILITY IMPROVEMENTS

WHEREAS, the City of Grinnell did enter into a contract with WRH, Inc of Amana, Iowa on December 4, 2017 and

WHEREAS, Pay Request No. 29 has been initiated by the City of Grinnell and WRH, Inc. of Amana, Iowa; and

WHEREAS, the Project Engineer has verified completion of the project in accordance with the terms of the contract and recommends approval of Pay Request No. 29; and

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GRINNELL, IOWA,

Section 1. That said improvements are hereby accepted as having been substantially completed in accordance with the said plans, specifications and contract. The City Clerk is hereby authorized and directed to make payment in the amount of \$135,871.85 to WRH, Inc. of Amana, Iowa.

Passed and adopted this 3rd day of August 2020.

\_\_\_\_\_  
Dan F. Agnew, Mayor

Attest:

\_\_\_\_\_  
Annmarie Wingerter, City Clerk/Finance Director



318-4-831.3.6715  
 Pay Req # 29  
 AW

**VEENSTRA & KIMM, INC.**

3000 Westown Parkway • West Des Moines, Iowa 50266-1320  
 515-255-8000 • 515-225-7848(FAX) • 800-241-8000(WATS)

**PAY ESTIMATE NO. 29**

Date: **June 22, 2020**

Project Title	Wastewater Treatment Facility Improvements Grinnell, Iowa		Contractor	WRH, Inc. P.O. Box 256 Amana, Iowa 52203
Orig. Contract Amount & Date	\$13,574,000.00	December 4, 2017	Pay Period	5/26/2020 to 6/22/2020

**BID ITEMS**

	Description	Unit	Estimated Quantity	Unit Price	Extended Price	Quantity Completed	Value Completed
1.1	Bond & Insurance	LS	xxxxx	xxxxx	\$ 131,000.00	100%	\$131,000.00
1.2	Mobilization	LS	xxxxx	xxxxx	\$ 200,000.00	98%	\$196,000.00
1.3	General Conditions	LS	xxxxx	xxxxx	\$ 665,000.00	100%	\$662,000.00
2.1	Demolition of Existing Plant	LS	xxxxx	xxxxx	\$ 100,000.00	92%	\$92,000.00
2.2	Earthwork	LS	xxxxx	xxxxx	\$ 1,216,000.00	100%	\$1,210,000.00
2.3	Asphalt Paving	LS	xxxxx	xxxxx	\$ 190,000.00		\$0.00
2.4	PCC Paving & Walks	LS	xxxxx	xxxxx	\$ 108,000.00	93%	\$100,000.00
2.5	Underground Pipe & MH's	LS	xxxxx	xxxxx	\$ 1,200,000.00	100%	\$1,200,000.00
2.6	Fence	LS	xxxxx	xxxxx	\$ 38,000.00	42%	\$16,000.00
2.7	Erosion Control	LS	xxxxx	xxxxx	\$ 16,000.00	100%	\$16,000.00
2.8	Seeding & Landscaping	LS	xxxxx	xxxxx	\$ 40,000.00		\$0.00
3.1	Reinforcing Steel	LS	xxxxx	xxxxx	\$ 892,500.00	100%	\$892,500.00
3.2	Concrete -#10 Headworks Bldg.	LS	xxxxx	xxxxx	\$ 210,000.00	100%	\$210,000.00
3.3	Concrete -#20 Process Tanks	LS	xxxxx	xxxxx	\$ 1,407,000.00	100%	\$1,407,000.00
3.4	Concrete -#25 Final Clarifier Splitter Box	LS	xxxxx	xxxxx	\$ 40,000.00	100%	\$40,000.00
3.5	Concrete -#30 Final Clarifier No. 3	LS	xxxxx	xxxxx	\$ 231,000.00	100%	\$231,000.00
3.6	Concrete -#40 UV Disinfection Bldg.	LS	xxxxx	xxxxx	\$ 64,000.00	100%	\$64,000.00
3.7	Concrete -#50 Effluent Flume	LS	xxxxx	xxxxx	\$ 13,000.00	100%	\$13,000.00
3.8	Concrete -#55 Sludge Pump Station	LS	xxxxx	xxxxx	\$ 71,000.00	100%	\$71,000.00
3.9	Concrete -#60 Aerobic Digester	LS	xxxxx	xxxxx	\$ 261,000.00	100%	\$261,000.00
3.10	Concrete -#65 Digester Bldg.	LS	xxxxx	xxxxx	\$ 52,000.00	100%	\$52,000.00
3.11	Concrete -#70 Sludge Storage	LS	xxxxx	xxxxx	\$ 3,400.00	100%	\$3,400.00
3.12	Concrete -#90 Administration Bldg.	LS	xxxxx	xxxxx	\$ 59,000.00	100%	\$59,000.00
3.13	Precast Concrete	LS	xxxxx	xxxxx	\$ 70,000.00	100%	\$70,000.00
4.1	Masonry	LS	xxxxx	xxxxx	\$ 411,600.00	100%	\$411,600.00
5.1	Misc. Metals, Handrail & Hatches	LS	xxxxx	xxxxx	\$ 215,500.00	99.7%	\$214,898.00
6.1	Framing, Carpentry	LS	xxxxx	xxxxx	\$ 15,000.00	100%	\$15,000.00
7.1	Roofing & Sheet Metal	LS	xxxxx	xxxxx	\$ 177,000.00	100%	\$177,000.00
7.2	Insulation & Damp Proofing	LS	xxxxx	xxxxx	\$ 8,000.00	100%	\$8,000.00
7.3	Joint Sealants	LS	xxxxx	xxxxx	\$ 13,000.00	98%	\$12,750.00
8.1	Doors & Hardware (HM & FRP)	LS	xxxxx	xxxxx	\$ 43,000.00	100%	\$43,000.00
8.2	Doors (Coiling & OH)	LS	xxxxx	xxxxx	\$ 9,000.00	100%	\$9,000.00
8.3	Windows (Storefront & Clad)	LS	xxxxx	xxxxx	\$ 19,000.00	100%	\$19,000.00
9.1	Painting	LS	xxxxx	xxxxx	\$ 180,000.00	100%	\$180,000.00
9.2	Flooring	LS	xxxxx	xxxxx	\$ 57,000.00	100%	\$57,000.00
9.3	Drywall	LS	xxxxx	xxxxx	\$ 13,000.00	100%	\$13,000.00
9.4	Ceilings	LS	xxxxx	xxxxx	\$ 15,000.00	100%	\$15,000.00
10.1	Specialties (Lockers, RR Access., Signs)	LS	xxxxx	xxxxx	\$ 25,000.00	67%	\$16,730.00

11.1	Stamford Baffles	LS	xxxxx	xxxxx	\$ 50,000.00	100%	\$50,000.00
11.2	FRP Flumes & Grating	LS	xxxxx	xxxxx	\$ 11,500.00	100%	\$11,500.00
11.3	Flow Control Gates	LS	xxxxx	xxxxx	\$ 110,000.00	100%	\$110,000.00
11.4	Grit Removal Equipment	LS	xxxxx	xxxxx	\$ 260,000.00	100%	\$260,000.00
11.5	Grip Pumps	LS	xxxxx	xxxxx	\$ 25,000.00	100%	\$25,000.00
11.6	Mechanical Bar Screen	LS	xxxxx	xxxxx	\$ 93,000.00	100%	\$93,000.00
11.7	Submersible Pumps	LS	xxxxx	xxxxx	\$ 72,000.00	100%	\$72,000.00
11.8	Sludge Mixing Equipment	LS	xxxxx	xxxxx	\$ 132,000.00	100%	\$132,000.00
11.9	New Clarifier, Weirs & Baffles	LS	xxxxx	xxxxx	\$ 130,000.00	100%	\$130,000.00
11.10	#22 Clarifier Repairs	LS	xxxxx	xxxxx	\$ 45,000.00	100%	\$45,000.00
11.11	Air Blowers	LS	xxxxx	xxxxx	\$ 135,000.00	100%	\$135,000.00
11.12	Rotary Lobe Sludge Pumps	LS	xxxxx	xxxxx	\$ 72,000.00	100%	\$72,000.00
11.13	Digester Equipment	LS	xxxxx	xxxxx	\$ 755,000.00	100%	\$755,000.00
11.14	Nutrient Removal System	LS	xxxxx	xxxxx	\$ 585,000.00	100.0%	\$585,000.00
11.15	NPW Booster Station	LS	xxxxx	xxxxx	\$ 91,500.00	100%	\$91,500.00
11.16	U.V. Equipment	LS	xxxxx	xxxxx	\$ 162,000.00	100%	\$162,000.00
12.1	Lab Casework	LS	xxxxx	xxxxx	\$ 56,000.00	100%	\$56,000.00
14.1	Hoists	LS	xxxxx	xxxxx	\$ 7,000.00	100%	\$7,000.00
15.1	Process Pipe	LS	xxxxx	xxxxx	\$ 352,000.00	100%	\$352,000.00
15.2	Valves	LS	xxxxx	xxxxx	\$ 150,000.00	100%	\$150,000.00
15.3	Mech.- Plumbing/HVAC - General Condit	LS	xxxxx	xxxxx	\$ 60,000.00	100%	\$60,000.00
15.4	Plumbing - #10 Headworks Bldg.	LS	xxxxx	xxxxx	\$ 17,000.00	100%	\$17,000.00
15.5	Plumbing - #40 UV Disinfection Bldg.	LS	xxxxx	xxxxx	\$ 1,500.00	100%	\$1,500.00
15.6	Plumbing - #55 Sludge Pump Station	LS	xxxxx	xxxxx	\$ 6,000.00	75%	\$4,500.00
15.7	Plumbing - #65 Digester Bldg.	LS	xxxxx	xxxxx	\$ 5,000.00	100%	\$5,000.00
15.8	Plumbing - #90 Admin Bldg.	LS	xxxxx	xxxxx	\$ 65,000.00	100%	\$65,000.00
15.9	HVAC - Test & Balance	LS	xxxxx	xxxxx	\$ 10,000.00	100%	\$10,000.00
15.10	HVAC - Controls	LS	xxxxx	xxxxx	\$ 42,000.00	100%	\$42,000.00
15.11	HVAC - Equipment	LS	xxxxx	xxxxx	\$ 116,000.00	100%	\$116,000.00
15.12	HVAC - #10 Headworks Bldg.	LS	xxxxx	xxxxx	\$ 123,000.00	100%	\$123,000.00
15.13	HVAC - #40 UV Disinfection Bldg.	LS	xxxxx	xxxxx	\$ 13,500.00	100%	\$13,500.00
15.14	HVAC - #65 Digester Bldg.	LS	xxxxx	xxxxx	\$ 17,000.00	100%	\$17,000.00
15.15	HVAC - #90 Admin Bldg.	LS	xxxxx	xxxxx	\$ 49,000.00	100%	\$49,000.00
16.1	Electrical - Generator	LS	xxxxx	xxxxx	\$ 163,000.00	100%	\$163,000.00
16.2	Electrical - Lighting	LS	xxxxx	xxxxx	\$ 58,000.00	100%	\$58,000.00
16.3	Electrical - #10 Headworks Bldg.	LS	xxxxx	xxxxx	\$ 54,000.00	100%	\$54,000.00
16.4	Electrical - #20 Process Tanks	LS	xxxxx	xxxxx	\$ 45,000.00	100%	\$45,000.00
16.5	Electrical - #30 Final Clarifier	LS	xxxxx	xxxxx	\$ 42,000.00	100%	\$42,000.00
16.6	Electrical - #90 Admin Bldg.	LS	xxxxx	xxxxx	\$ 55,000.00	100%	\$55,000.00
16.7	Electrical - Site & Temp Power	LS	xxxxx	xxxxx	\$ 305,000.00	100%	\$305,000.00
16.8	Controls - General Conditions	LS	xxxxx	xxxxx	\$ 16,000.00	100%	\$16,000.00
16.9	Control Panels	LS	xxxxx	xxxxx	\$ 125,000.00	100%	\$125,000.00
16.10	SCADA Computer & Software	LS	xxxxx	xxxxx	\$ 40,000.00	100%	\$40,000.00
16.11	Instrumentation	LS	xxxxx	xxxxx	\$ 83,000.00	100%	\$83,000.00
16.12	Electrical Gear	LS	xxxxx	xxxxx	\$ 275,000.00	100%	\$275,000.00
16.13	Star-up & Training	LS	xxxxx	xxxxx	\$ 15,000.00	100%	\$15,000.00
	Total				\$ 13,574,000.00		\$13,282,378.00

### Materials Stored Summary

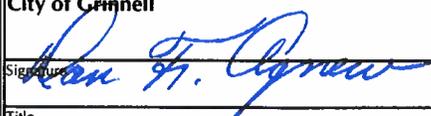
	Number of Units	Unit Price	Extended Cost
<b>Total</b>			<b>\$0.00</b>

### SUMMARY

		Contract Price	Value Completed
Original Contract Price		\$13,574,000.00	\$13,282,378.00
Approved Change Order (list each)	No. 1	\$23,392.18	\$23,393.18
	No.2	\$26,210.56	\$26,210.56
	No. 3	\$20,258.25	\$20,258.75
	No. 4	\$78,588.43	\$78,588.43
	No. 5		
	No. 6		
Revised Contract Price		\$13,722,449.42	\$13,430,828.92
	Materials Stored		\$0.00
	Value of Completed Work and Materials Stored		\$13,430,828.92
	Less Retained Percentage (5%)		\$671,541.45
	Net Amount Due This Estimate		\$12,759,287.47

Less Estimate(s) Previously Approved	No. 1	\$157,700.00	
	No. 2	\$172,900.00	
	No. 3	\$924,479.68	
	No. 4	\$1,006,090.87	
	No. 5	\$840,943.80	
	No. 6	\$989,069.00	
	No. 7	\$526,780.70	
	No. 8	\$533,685.32	
	No. 9	\$456,337.25	
	No. 10	\$1,374,978.99	
	No. 11	\$922,524.08	
	No. 12	\$374,465.02	
	No. 13	\$88,293.00	
	No. 14	\$105,450.00	
	No. 15	\$833,547.79	
	No. 16	\$590,954.16	
	No. 17	\$365,981.13	
	No. 18	\$435,975.25	
	No. 19	\$285,516.22	
	No. 20	\$308,322.52	
	No. 21	\$248,405.53	
	No. 22	\$155,325.00	
	No. 23	\$253,651.18	
	No. 24	\$118,275.00	
	No. 25	\$174,266.87	
	No. 26	\$119,613.99	
	No. 27	\$117,774.50	
	No. 28	\$142,108.78	
		Total Previously Approved	\$12,623,415.62
Percent Complete	98%	Amount Due This Estimate	\$135,871.85

The amount \$135,871.85 is recommended for approval for payment in accordance with the terms of the Contract.

<b>Prepared By:</b> WRH, Inc. Signature:  Title: Project Manager Date: 6-23-2020	<b>Recommended By:</b> Veenstra & Kimm, Inc. Signature:  Title: Project Engineer Date: 6/22/2020	<b>Approved By:</b> City of Grinnell Signature:  Title: Mayor Date: 7/6/2020
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RESOLUTION NO. 2020-125

A RESOLUTION AUTHORIZING PAYMENT OF CONTRACTOR'S PAY REQUEST NO. 30 IN THE AMOUNT OF \$334,108.00 TO WRH, INC OF AMANA, IOWA FOR WORK COMPLETED ON THE WASTEWATER TREATMENT FACILITY IMPROVEMENTS

WHEREAS, the City of Grinnell did enter into a contract with WRH, Inc of Amana, Iowa on December 4, 2017 and

WHEREAS, Pay Request No. 30 has been initiated by the City of Grinnell and WRH, Inc. of Amana, Iowa; and

WHEREAS, the Project Engineer has verified completion of the project in accordance with the terms of the contract and recommends approval of Pay Request No. 30; and

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GRINNELL, IOWA,

Section 1. That said improvements are hereby accepted as having been substantially completed in accordance with the said plans, specifications and contract. The City Clerk is hereby authorized and directed to make payment in the amount of \$334,108.00 to WRH, Inc. of Amana, Iowa.

Passed and adopted this 3rd day of August 2020.

\_\_\_\_\_  
Dan F. Agnew, Mayor

Attest:

\_\_\_\_\_  
Annmarie Wingerter, City Clerk/Finance Director



**VEENSTRA & KIMM, INC.**

3000 Westown Parkway • West Des Moines, Iowa 50266-1320  
515-255-8000 • 515-225-7848(FAX) • 800-241-8000(WATS)

**PAY ESTIMATE NO. 30**

Date: **July 28, 2020**

Project Title	Wastewater Treatment Facility Improvements Grinnell, Iowa		Contractor	WRH, Inc. P.O. Box 256 Amana, Iowa 52203
Orig. Contract Amount & Date	\$13,574,000.00	December 4, 2017	Pay Period	6/22/2020 to 7/28/2020

**BID ITEMS**

	Description	Unit	Estimated Quantity	Unit Price	Extended Price	Quantity Completed	Value Completed
1.1	Bond & Insurance	LS	xxxxx	xxxxx	\$ 131,000.00	100%	\$131,000.00
1.2	Mobilization	LS	xxxxx	xxxxx	\$ 200,000.00	99%	\$198,000.00
1.3	General Conditions	LS	xxxxx	xxxxx	\$ 665,000.00	99.7%	\$663,000.00
2.1	Demolition of Existing Plant	LS	xxxxx	xxxxx	\$ 100,000.00	100%	\$100,000.00
2.2	Earthwork	LS	xxxxx	xxxxx	\$ 1,216,000.00	100%	\$1,210,000.00
2.3	Asphalt Paving	LS	xxxxx	xxxxx	\$ 190,000.00	61%	\$115,000.00
2.4	PCC Paving & Walks	LS	xxxxx	xxxxx	\$ 108,000.00	93%	\$100,000.00
2.5	Underground Pipe & MH's	LS	xxxxx	xxxxx	\$ 1,200,000.00	100%	\$1,200,000.00
2.6	Fence	LS	xxxxx	xxxxx	\$ 38,000.00	42%	\$16,000.00
2.7	Erosion Control	LS	xxxxx	xxxxx	\$ 16,000.00	100%	\$16,000.00
2.8	Seeding & Landscaping	LS	xxxxx	xxxxx	\$ 40,000.00		\$0.00
3.1	Reinforcing Steel	LS	xxxxx	xxxxx	\$ 892,500.00	100%	\$892,500.00
3.2	Concrete #10 Headworks Bldg.	LS	xxxxx	xxxxx	\$ 210,000.00	100%	\$210,000.00
3.3	Concrete #20 Process Tanks	LS	xxxxx	xxxxx	\$ 1,407,000.00	100%	\$1,407,000.00
3.4	Concrete #25 Final Clarifier Splitter Box	LS	xxxxx	xxxxx	\$ 40,000.00	100%	\$40,000.00
3.5	Concrete #30 Final Clarifier No. 3	LS	xxxxx	xxxxx	\$ 231,000.00	100%	\$231,000.00
3.6	Concrete #40 UV Disinfection Bldg.	LS	xxxxx	xxxxx	\$ 64,000.00	100%	\$64,000.00
3.7	Concrete #50 Effluent Flume	LS	xxxxx	xxxxx	\$ 13,000.00	100%	\$13,000.00
3.8	Concrete #55 Sludge Pump Station	LS	xxxxx	xxxxx	\$ 71,000.00	100%	\$71,000.00
3.9	Concrete #60 Aerobic Digester	LS	xxxxx	xxxxx	\$ 261,000.00	100%	\$261,000.00
3.10	Concrete #65 Digester Bldg.	LS	xxxxx	xxxxx	\$ 52,000.00	100%	\$52,000.00
3.11	Concrete #70 Sludge Storage	LS	xxxxx	xxxxx	\$ 3,400.00	100%	\$3,400.00
3.12	Concrete #90 Administration Bldg.	LS	xxxxx	xxxxx	\$ 59,000.00	100%	\$59,000.00
3.13	Precast Concrete	LS	xxxxx	xxxxx	\$ 70,000.00	100%	\$70,000.00
4.1	Masonry	LS	xxxxx	xxxxx	\$ 411,600.00	100%	\$411,600.00
5.1	Misc. Metals, Handrail & Hatches	LS	xxxxx	xxxxx	\$ 215,500.00	99.7%	\$214,898.00
6.1	Framing, Carpentry	LS	xxxxx	xxxxx	\$ 15,000.00	100%	\$15,000.00
7.1	Roofing & Sheet Metal	LS	xxxxx	xxxxx	\$ 177,000.00	100%	\$177,000.00
7.2	Insulation & Damp Proofing	LS	xxxxx	xxxxx	\$ 8,000.00	100%	\$8,000.00
7.3	Joint Sealants	LS	xxxxx	xxxxx	\$ 13,000.00	98%	\$12,750.00
8.1	Doors & Hardware (HM & FRP)	LS	xxxxx	xxxxx	\$ 43,000.00	100%	\$43,000.00
8.2	Doors (Coiling & OH)	LS	xxxxx	xxxxx	\$ 9,000.00	100%	\$9,000.00
8.3	Windows ( Storefront & Clad)	LS	xxxxx	xxxxx	\$ 19,000.00	100%	\$19,000.00
9.1	Painting	LS	xxxxx	xxxxx	\$ 180,000.00	100%	\$180,000.00
9.2	Flooring	LS	xxxxx	xxxxx	\$ 57,000.00	100%	\$57,000.00
9.3	Drywall	LS	xxxxx	xxxxx	\$ 13,000.00	100%	\$13,000.00
9.4	Ceilings	LS	xxxxx	xxxxx	\$ 15,000.00	100%	\$15,000.00
10.1	Specialties (Lockers, RR Access., Signs)	LS	xxxxx	xxxxx	\$ 25,000.00	67%	\$16,730.00

11.1	Stamford Baffles	LS	xxxxx	xxxxx	\$ 50,000.00	100%	\$50,000.00
11.2	FRP Flumes & Grating	LS	xxxxx	xxxxx	\$ 11,500.00	100%	\$11,500.00
11.3	Flow Control Gates	LS	xxxxx	xxxxx	\$ 110,000.00	100%	\$110,000.00
11.4	Grit Removal Equipment	LS	xxxxx	xxxxx	\$ 260,000.00	100%	\$260,000.00
11.5	Grip Pumps	LS	xxxxx	xxxxx	\$ 25,000.00	100%	\$25,000.00
11.6	Mechanical Bar Screen	LS	xxxxx	xxxxx	\$ 93,000.00	100%	\$93,000.00
11.7	Submersible Pumps	LS	xxxxx	xxxxx	\$ 72,000.00	100%	\$72,000.00
11.8	Sludge Mixing Equipment	LS	xxxxx	xxxxx	\$ 132,000.00	100%	\$132,000.00
11.9	New Clarifier, Weirs & Baffles	LS	xxxxx	xxxxx	\$ 130,000.00	100%	\$130,000.00
11.10	#22 Clarifier Repairs	LS	xxxxx	xxxxx	\$ 45,000.00	100%	\$45,000.00
11.11	Air Blowers	LS	xxxxx	xxxxx	\$ 135,000.00	100%	\$135,000.00
11.12	Rotary Lobe Sludge Pumps	LS	xxxxx	xxxxx	\$ 72,000.00	100%	\$72,000.00
11.13	Digester Equipment	LS	xxxxx	xxxxx	\$ 755,000.00	100%	\$755,000.00
11.14	Nutrient Removal System	LS	xxxxx	xxxxx	\$ 585,000.00	100.0%	\$585,000.00
11.15	NPW Booster Station	LS	xxxxx	xxxxx	\$ 91,500.00	100%	\$91,500.00
11.16	U.V. Equipment	LS	xxxxx	xxxxx	\$ 162,000.00	100%	\$162,000.00
12.1	Lab Casework	LS	xxxxx	xxxxx	\$ 56,000.00	100%	\$56,000.00
14.1	Hoists	LS	xxxxx	xxxxx	\$ 7,000.00	100%	\$7,000.00
15.1	Process Pipe	LS	xxxxx	xxxxx	\$ 352,000.00	100%	\$352,000.00
15.2	Valves	LS	xxxxx	xxxxx	\$ 150,000.00	100%	\$150,000.00
15.3	Mech.- Plumbing/HVAC - General Condit	LS	xxxxx	xxxxx	\$ 60,000.00	100%	\$60,000.00
15.4	Plumbing - #10 Headworks Bldg.	LS	xxxxx	xxxxx	\$ 17,000.00	100%	\$17,000.00
15.5	Plumbing - #40 UV Disinfection Bldg.	LS	xxxxx	xxxxx	\$ 1,500.00	100%	\$1,500.00
15.6	Plumbing - #55 Sludge Pump Station	LS	xxxxx	xxxxx	\$ 6,000.00	75%	\$4,500.00
15.7	Plumbing - #65 Digester Bldg.	LS	xxxxx	xxxxx	\$ 5,000.00	100%	\$5,000.00
15.8	Plumbing - #90 Admin Bldg.	LS	xxxxx	xxxxx	\$ 65,000.00	100%	\$65,000.00
15.9	HVAC - Test & Balance	LS	xxxxx	xxxxx	\$ 10,000.00	100%	\$10,000.00
15.10	HVAC - Controls	LS	xxxxx	xxxxx	\$ 42,000.00	100%	\$42,000.00
15.11	HVAC - Equipment	LS	xxxxx	xxxxx	\$ 116,000.00	100%	\$116,000.00
15.12	HVAC - #10 Headworks Bldg.	LS	xxxxx	xxxxx	\$ 123,000.00	100%	\$123,000.00
15.13	HVAC - #40 UV Disinfection Bldg.	LS	xxxxx	xxxxx	\$ 13,500.00	100%	\$13,500.00
15.14	HVAC - #65 Digester Bldg.	LS	xxxxx	xxxxx	\$ 17,000.00	100%	\$17,000.00
15.15	HVAC - #90 Admin Bldg.	LS	xxxxx	xxxxx	\$ 49,000.00	100%	\$49,000.00
16.1	Electrical - Generator	LS	xxxxx	xxxxx	\$ 163,000.00	100%	\$163,000.00
16.2	Electrical - Lighting	LS	xxxxx	xxxxx	\$ 58,000.00	100%	\$58,000.00
16.3	Electrical - #10 Headworks Bldg.	LS	xxxxx	xxxxx	\$ 54,000.00	100%	\$54,000.00
16.4	Electrical - #20 Process Tanks	LS	xxxxx	xxxxx	\$ 45,000.00	100%	\$45,000.00
16.5	Electrical - #30 Final Clarifier	LS	xxxxx	xxxxx	\$ 42,000.00	100%	\$42,000.00
16.6	Electrical - #90 Admin Bldg.	LS	xxxxx	xxxxx	\$ 55,000.00	100%	\$55,000.00
16.7	Electrical - Site & Temp Power	LS	xxxxx	xxxxx	\$ 305,000.00	100%	\$305,000.00
16.8	Controls - General Conditions	LS	xxxxx	xxxxx	\$ 16,000.00	100%	\$16,000.00
16.9	Control Panels	LS	xxxxx	xxxxx	\$ 125,000.00	100%	\$125,000.00
16.10	SCADA Computer & Software	LS	xxxxx	xxxxx	\$ 40,000.00	100%	\$40,000.00
16.11	Instrumentation	LS	xxxxx	xxxxx	\$ 83,000.00	100%	\$83,000.00
16.12	Electrical Gear	LS	xxxxx	xxxxx	\$ 275,000.00	100%	\$275,000.00
16.13	Star-up & Training	LS	xxxxx	xxxxx	\$ 15,000.00	100%	\$15,000.00
	Total				\$ 13,574,000.00		\$13,408,378.00

**Materials Stored Summary**

	Number of Units	Unit Price	Extended Cost
Total			\$0.00

**SUMMARY**

		Contract Price	Value Completed
Original Contract Price		\$13,574,000.00	\$13,408,378.00
Approved Change Order (list each)	No. 1	\$23,392.18	\$23,393.18
	No.2	\$26,210.56	\$26,210.56
	No. 3	\$20,258.25	\$20,258.75
	No. 4	\$78,588.43	\$78,588.43
	No. 5		
	No. 6		
Revised Contract Price		\$13,722,449.42	\$13,556,828.92
Materials Stored			\$0.00
Value of Completed Work and Materials Stored			\$13,556,828.92
Less Retained Percentage			\$463,433.45
Net Amount Due This Estimate			\$13,093,395.47

Less Estimate(s) Previously Approved	No. 1	\$157,700.00	
	No. 2	\$172,900.00	
	No. 3	\$924,479.68	
	No. 4	\$1,006,090.87	
	No. 5	\$840,943.80	
	No. 6	\$989,069.00	
	No. 7	\$526,780.70	
	No. 8	\$533,685.32	
	No. 9	\$456,337.25	
	No. 10	\$1,374,978.99	
	No. 11	\$922,524.08	
	No. 12	\$374,465.02	
	No. 13	\$88,293.00	
	No. 14	\$105,450.00	
	No. 15	\$833,547.79	
	No. 16	\$590,954.16	
	No. 17	\$365,981.13	
	No. 18	\$435,975.25	
	No. 19	\$285,516.22	
	No. 20	\$308,322.52	
	No. 21	\$248,405.53	
	No. 22	\$155,325.00	
	No. 23	\$253,651.18	
	No. 24	\$118,275.00	
	No. 25	\$174,266.87	
	No. 26	\$119,613.99	
	No. 27	\$117,774.50	
	No. 28	\$142,108.78	
No. 28	\$135,871.85		
Total Previously Approved			\$12,759,287.47
Percent Complete	99%	<b>Amount Due This Estimate</b>	<b>\$334,108.00</b>

The amount     \$334,108.00     is recommended for approval for payment in accordance with the terms of the Contract.

<b>Prepared By:</b> WRH, Inc.	<b>Recommended By:</b> Veenstra & Kimm, Inc.	<b>Approved By:</b> City of Grinnell
Signature	Signature	Signature
Title Project Manager	Title Project Engineer	Title
Date	Date	Date

RESOLUTION NO. 2020-126

A RESOLUTION AUTHORIZING PAYMENT OF CONTRACTOR'S PAY REQUEST NO. 1 IN THE AMOUNT OF \$47,954.10 TO JASPER CONSTRUCTION SERVICES, INC. OF NEWTON, IOWA FOR WORK COMPLETED ON THE 8<sup>TH</sup> AVENUE REPAIR PROJECT

WHEREAS, the City of Grinnell did enter into a contract with Jasper Construction Services, Inc. of Newton, Iowa on July 6, 2020; and

WHEREAS, Pay Request No. 1 has been initiated by the City of Grinnell and Jasper Construction Services, Inc. of Newton, Iowa; and

WHEREAS, the Project Engineer has verified completion of the project in accordance with the terms of the contract and recommends approval of Pay Request No. 1; and

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GRINNELL, IOWA,

Section 1. That said improvements are hereby accepted as having been substantially completed in accordance with the said plans, specifications and contract. The City Clerk is hereby authorized and directed to make payment in the amount of \$47,954.10 to Jasper Construction Services, Inc. of Newton, Iowa.

Passed and adopted this 3rd day of August 2020.

\_\_\_\_\_  
Dan F. Agnew, Mayor

Attest:

\_\_\_\_\_  
Annmarie Wingerter, City Clerk/Finance Director

Date: 7/24/2020

Pay App. #1

Period: From: 6/24/20 To: 7/24/20

Contractor: Jasper Construction

Project: 8th Avenue Repair Project

Grinnell, Iowa

ITEM NO.	DESCRIPTION	UNIT	COMPLETED TO DATE	UNIT PRICE	EXTENDED PRICE
1.1	Curb Repair	EA	70.0	\$ 80.00	\$ 5,600.00
1.2	Epoxy Patch at Intake	EA	1.0	\$ 500.00	\$ 500.00
1.3	Not Used	EA	0.0	\$ -	\$ -
1.4	Replace, Sand and Reseal Pavers	EA	450.0	\$ 30.00	\$ 13,500.00
1.5	Patch by Area (Walk or Street)	SY	20.0	\$ 200.00	\$ 4,000.00
1.6	Patch Count (Walk or Street)	EA	3.0	\$ 300.00	\$ 900.00
1.7	Route and Seal Crack	LF	60.0	\$ 10.00	\$ 600.00
1.8	Joint Repair	EA	30.0	\$ 100.00	\$ 3,000.00
1.9	Not Used	EA	0.0	\$ -	\$ -
1.10	Reset, Sand and Reseal Pavers	SF	116.0	\$ 25.00	\$ 2,900.00
1.11	Remove and Replace Manhole Boxout	SF	182.6	\$ 30.00	\$ 5,478.00
1.12	Not Used	EA	0.0	\$ -	\$ -
1.13	Mobilization	LS	1.0	\$ 9,000.00	\$ 9,000.00

Total Contract Sum	\$45,478.00
Net Change Orders (Acceleratewd Schedule, alternate bid and Pavers)	\$5,000.00
Contract Sum to Date	\$50,478.00
5% Retainage	\$2,523.90
Total Earned Less Retainage	\$47,954.10
Less Previous Certificates for Payment	\$0.00
Current Payment Due	<b>\$47,954.10</b>
Balance To Finish, Including Retainage	\$2,523.90


7/30/20  
 Veenstra & Kimm, Inc. Date

\_\_\_\_\_  
 City of Grinnell, Iowa Date

## RESOLUTION NO. 2020-127

A RESOLUTION APPROVING THE PRECONSTRUCTION AGREEMENT BETWEEN THE IOWA DEPARTMENT OF TRANSPORTATION (IDOT) AND THE CITY OF GRINNELL FOR HIGHWAY 6 WATER MAIN RELOCATION PROJECT

WHEREAS, the IDOT proposes to establish or make improvements to U.S. Highway 6 within Poweshiek County, Iowa; and

WHEREAS, the IDOT and the City are willing to jointly participate in said project; and

WHEREAS, this Agreement reflects the current concept of this project which is subject to modification by mutual agreement between the City and the DOT; and

NOW, THEREFORE, IT IS RESOLVED BY THE CITY COUNCIL OF THE CITY OF GRINNELL, IOWA, AS FOLLOWS:

Section 1. The City Council of Grinnell, Iowa, approves the agreement with the Iowa Department of Transportation; and

Section 2. The Grinnell City Council authorizes the Mayor and City Clerk to execute the Agreement on behalf of the City of Grinnell.

ADOPTED AND APPROVED on 3rd day of August 2020.

---

Dan F. Agnew, Mayor

Attest:

---

Annmarie Wingerter, City Clerk



upon completion of the project also at no expense or obligation to the LPA. The DOT will work in close cooperation with the LPA and the contractor to accommodate emergency services and local access across the project during construction. Any detours which may be necessary for project related LPA road closures will be the responsibility of the LPA all at no expense or obligation to the DOT.

- c. If this project causes the temporary closure of a road during construction, the DOT shall meet with the LPA to determine whether said closure(s) will cause increased traffic on other LPA roads. The DOT and the LPA shall determine a plan, and the costs thereof, for the LPA to perform dust control on said LPA roads with increased traffic, should dust control become necessary. In that event, the LPA shall inform the DOT prior to performing said dust control. The DOT shall reimburse the LPA for the cost of said dust control measures following the receipt of a bill for the agreed upon costs (see Iowa Code section 313.4 subsection 1.b.).

#### **4. Right of Way and Permits**

- a. Subject to the provisions hereof, the LPA in accordance with 761 Iowa Administrative Code Chapter 150.3(1)c and 150.4(2) will remove or cause to be removed (within the corporate limits) all encroachments or obstructions in the existing primary highway right of way. The LPA will also prevent the erection and/or placement of any structure or obstruction on said right of way or any additional right of way which is acquired for this project including but not limited to private signs, buildings, pumps, and parking areas.
- b. The DOT will be responsible for the coordination of utility facility adjustments for the primary road project.
- c. The LPA agrees to relocate all city-owned utilities necessary for construction which are located within the existing street or alley right of way, subject to the approval of and without expense to the DOT and in accordance with 761 Iowa Administrative Code Chapter 150.4(5) and the DOT Utility Accommodation Policy.
- d. With the exception of service connections no new or future utility occupancy of project right of way, nor any future relocations of or alterations to existing utilities within said right of way will be permitted or undertaken by the LPA without the prior written approval of the DOT. All work will be performed in accordance with the Utility Accommodation Policy and other applicable requirements of the DOT.

#### **5. Construction & Maintenance**

- a. Upon completion of the project, no changes in the physical features thereof will be undertaken or permitted without the prior written approval of the DOT.
- b. Future maintenance of the primary highway within the project area will be carried out in accordance with the terms and conditions contained in 761 Iowa Administrative Code Chapter 150.

#### **6. General Provisions**

- a. If the LPA has completed a Flood Insurance Study (FIS) for an area which is affected by the proposed Primary Highway project and the FIS is modified, amended or revised in an area affected by the project after the date of this Agreement, the LPA shall promptly provide notice of the modification, amendment or revision to the DOT. If the LPA does not have a detailed Flood Insurance Study (FIS) for an area which is affected by the proposed Primary Highway project and the LPA does adopt an FIS in an area affected by the project after the date of this Agreement, the LPA shall promptly provide notice of the FIS to the DOT.

- b. The LPA will comply with all provisions of the equal employment opportunity requirements prohibiting discrimination and requiring affirmative action to assure equal employment opportunity as required by Iowa Code Chapter 216. No person will, on the grounds of age, race, creed, color, sex, sexual orientation, gender identity, national origin, religion, pregnancy, or disability, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which State funds are used.
- c. It is the intent of both parties that no third party beneficiaries be created by this Agreement.
- d. If any section, provision, or part of this Agreement shall be found to be invalid or unconstitutional, such finding shall not affect the validity of the Agreement as a whole or any section, provision, or part thereof not found to be invalid or unconstitutional, except to the extent that the original intent of the Agreement cannot be fulfilled.
- e. This Agreement may be executed in (two) counterparts, each of which so executed will be deemed to be an original.
- f. This Agreement, as well as the unaffected provisions of any previous agreement(s), addendum(s), and/or amendment(s); represents the entire Agreement between the LPA and DOT regarding this project. All previously executed agreements will remain in effect except as amended herein. Any subsequent change or modification to the terms of this Agreement will be in the form of a duly executed amendment to this document.

July 2014

**IN WITNESS WHEREOF**, each of the parties hereto has executed Agreement No. 2021-6-011 as of the date shown opposite its signature below.

**CITY OF GRINNELL:**

By: \_\_\_\_\_ Date \_\_\_\_\_, 20\_\_\_\_.  
Title: Mayor

I, \_\_\_\_\_, certify that I am the Clerk of the City, and that \_\_\_\_\_, who signed said Agreement for and on behalf of the City was duly authorized to execute the same on the \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

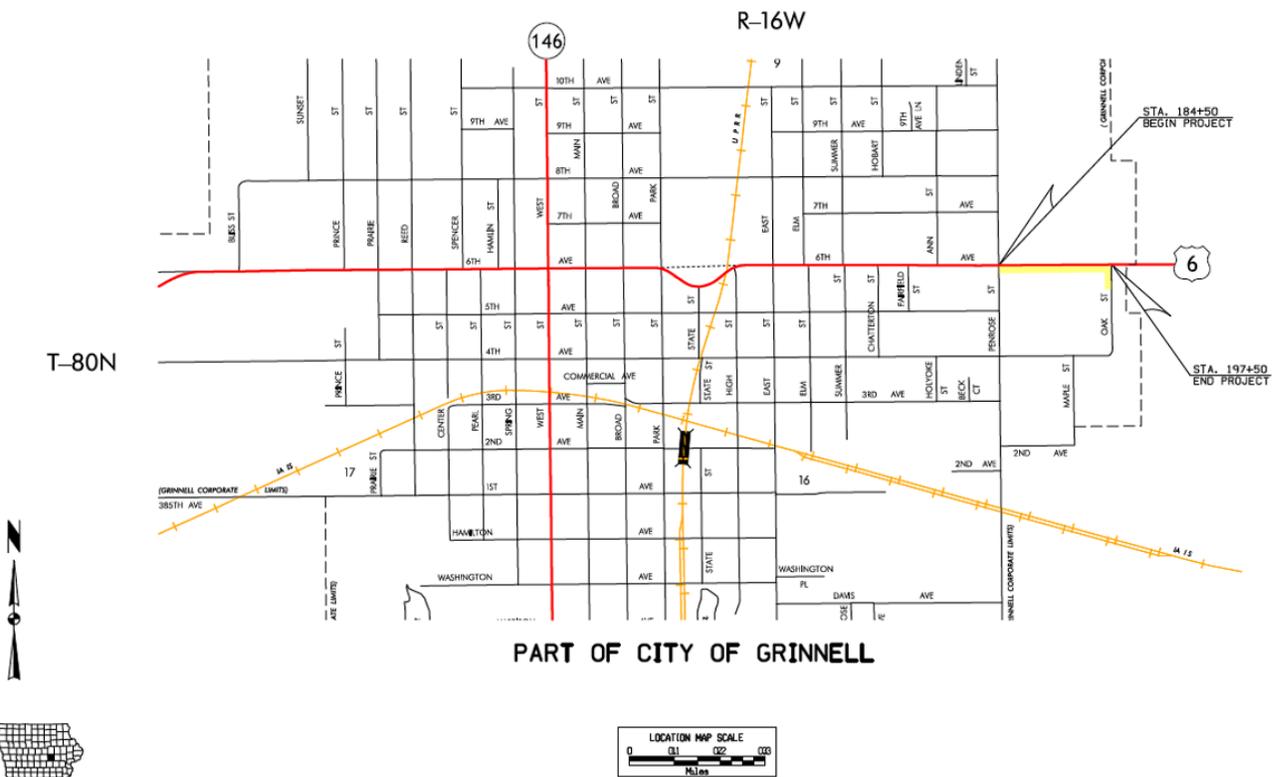
Signed: \_\_\_\_\_  
City Clerk of Grinnell, Iowa

**IOWA DEPARTMENT OF TRANSPORTATION:**

By: \_\_\_\_\_ Date \_\_\_\_\_, 20\_\_\_\_.  
Tony Gustafson  
Acting District Engineer  
District 1

# PROJECT MAP

## NHSN-006-5(24)—2J-79



ENGINEERS ESTIMATE GRADING  
 Project Number: STPN-006-5(24)-2J-79  
 Penrose St to Oak St in Grinnell  
 (Water Main Related Items)

<u>Item No.</u>	<u>Item Code</u>	<u>Item</u>	<u>Unit</u>	<u>Est. Quantity</u>	<u>Unit Price</u>	<u>Extended Price</u>
1	2401-6745650	REMOVAL OF EXIST STRUCT	EACH	2	\$ 2,500.00	\$ 5,000.00
2	2402-0425031	GRANULAR BACKFILL	TON	240.0	\$ 30.00	\$ 7,200.00
3	2511-6745900	RMVL OF SIDEWALK	SY	12.5	\$ 30.00	\$ 375.00
4	2511-7526005	SIDEWALK, PCC, 5"	SY	12.5	\$ 100.00	\$ 1,250.00
5	2529-5070110	PATCH, FULL-DEPTH FINISH, BY AREA	SY	100.0	\$ 70.00	\$ 7,000.00
6	2529-5070120	PATCH, FULL-DEPTH FINISH, BY COUNT	EACH	1	\$ 3,500.00	\$ 3,500.00
7	2554-0114004	WATER MAIN, TRENCHED, PVC, 4"	LF	20	\$ 70.00	\$ 1,400.00
8	2554-0114006	WATER MAIN, TRENCHED, PVC, 6"	LF	40	\$ 70.00	\$ 2,800.00
9	2554-0114008	WATER MAIN, TRENCHED, PVC, 8"	LF	1368	\$ 50.00	\$ 68,400.00
10	2554-0204110	WATER SERVICE STUB, COPPER, 1"	EACH	9	\$ 1,500.00	\$ 13,500.00
11	2554-0204120	WATER SERVICE STUB, COPPER, 2"	EACH	1	\$ 2,500.00	\$ 2,500.00
12	2554-0207004	VALVE, GATE, DIP, 4"	EACH	2	\$ 2,000.00	\$ 4,000.00
13	2554-0207006	VALVE, GATE, DIP, 6"	EACH	1	\$ 2,250.00	\$ 2,250.00
14	2554-0207008	VALVE, GATE, DIP, 8"	EACH	3	\$ 2,500.00	\$ 7,500.00
15	2554-0208008	TAPPING VALVE ASSEMBLY, 8"	EACH	1	\$ 7,500.00	\$ 7,500.00
16	2554-0210201	FIRE HYDRANT ASSEMBLY, WM-201	EACH	3	\$ 6,500.00	\$ 19,500.00
17	2599-9999005	CONNECTION TO EXISTING WATER MAIN	EACH	3	\$ 2,500.00	\$ 7,500.00
18	2599-9999005	REMOVE HYDRANT ASSEMBLY	EACH	3	\$ 500.00	\$ 1,500.00
19	2601-2636044	SEED+FERTILIZE (URBAN)	ACRE	1.0	\$ 4,000.00	\$ 4,000.00
Sub Total						\$ 166,675.00
10% Contingency						\$ 16,667.50
<b>Total</b>						<b>\$ 183,342.50</b>

**RESOLUTION NO. 2020-128**

**A RESOLUTION APPROVING AN AGREEMENT WITH REPUBLIC SERVICES OF IOWA LLC**

WHEREAS, the City of Grinnell wishes to renew the agreement with Republic Services of Iowa, LLC of Cedar Rapids, Iowa, hereinafter referred to as "Republic," and

WHEREAS, the city of Grinnell is in need of a firm to pick up and haul away recyclable materials generated in the City, whether collected by the City or any City subcontractor; and

WHEREAS, Republic will be responsible for ensuring that the hauling of the recyclable materials is in compliance with state and federal law and regulations; and

WHEREAS, the City Council has reviewed the terms and conditions of said agreement; and

NOW, THEREFORE, IT IS RESOLVED BY THE CITY COUNCIL OF THE CITY OF GRINNELL, IOWA, AS FOLLOWS:

Section 1. The City Council of Grinnell, Iowa, approves the agreement with Republic Services, LLC of Cedar Rapids, Iowa for the purpose of picking up and hauling away of recyclable materials generated within the City; and

Section 2. The Grinnell City Council authorizes the Mayor and City Clerk to execute the Agreement on behalf of the City of Grinnell.

ADOPTED AND APPROVED on this 3rd day of August 2020.

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DAN F. AGNEW, MAYOR

ATTEST:

---

ANMARIE WINGERTER, CITY CLERK/FINANCE DIRECTOR

## **AGREEMENT**

THIS AGREEMENT, by and between the City of Grinnell, Iowa, an Iowa municipal corporation, hereinafter referred to as "City," and Republic Services of Iowa, LLC, a limited liability company doing business in the State of Iowa, hereinafter referred to as "Republic," do hereby agree as follows:

1. Republic agrees to pick up and haul away all recyclable materials generated in the City, whether collected by the City or any City subcontractor.
2. Republic will be responsible for ensuring that the hauling of the recyclable materials is done in compliance with state and federal law and regulations.
3. Republic will pick up the City's recyclable material at a location or locations designated by the City during the City's normal business hours.
4. Republic shall have the right to reject acceptance of any recyclable materials offered at the City's facilities that fall within the definition of prohibited material as defined herein. If prohibited material is discovered before it is collected by Republic, Republic may refuse to collect the entire container of waste. In such situations, Republic shall photograph the waste, contact the City, and the City shall take appropriate action to remove the prohibited material and dispose of the prohibited material.

The City shall provide all reasonable assistance to Republic to conduct an investigation to determine the identity of the depositor or generator of any prohibited material and to assist Republic in collecting from the generator or depositor the costs incurred by Republic in connection with the prohibited material. Subject to the City providing reasonable assistance to Republic as set forth herein, Republic shall release the City from any liability for any such costs except to the extent that such prohibited material is determined to be attributed to the City.

5. The City represents to Republic that the material it gives Republic shall be recyclable material that it holds free and clear of any claims, liens or encumbrances.

6. This Agreement shall commence on the 1st day of August, 2020 ("effective date") and shall remain in full force and effect for twelve (12) consecutive months following the effective date. Upon mutual agreement by the City and Republic, following the initial twelve (12) month term, the parties may agree to continue the Agreement under the same terms and conditions as set forth herein or under new terms and conditions as mutually agreed to by the parties.

7. Republic shall transmit an itemized invoice to the City of all recycling fees and other charges as provided in this Agreement on a monthly basis. All invoices shall be paid within forty-five (45) days after receipt by the City.

The rate will increase by 4% annually, effective August 1 of each year following the first year of this Agreement.

8. The City agrees that it shall not present for acceptance any prohibited material to Republic. If the City delivers recyclable materials that contain both recyclable materials and prohibited materials, the entire delivery shall constitute prohibited material if the prohibited material cannot be separated from the recyclable material through the reasonable efforts of Republic. Reasonable costs of separating prohibited material from recyclable material shall be paid by the City.

9. The recyclable material will be weighed at Cedar Rapids, Iowa, and the weight so determined shall be final and conclusive on both the City and Republic. Republic and the City shall have the right to inspect any of the recyclable material to determine whether the waste delivered is recyclable material or prohibited material. Failure of Republic to perform any such inspection prior to accepting the material shall

deem the material permitted recyclable material and not subject to any additional costs or fines.

10. If the City presents for acceptance to Republic any prohibited material, Republic may reject such prohibited material at the City's expense. Any prohibited material rejected by Republic shall be the City's responsibility. The City shall properly dispose of the prohibited material at its own expense. After rejection of the prohibited material, Republic shall have no duty with regard to the prohibited material, unless otherwise agreed to by the parties.

11. For the purposes of this Agreement, "PROHIBITED MATERIAL" means any material that is not recyclable material; any material that by reason of its composition, characteristics or quality is defined as "hazardous material," "hazardous waste," "hazardous substance," "extremely hazardous substance," "restricted hazardous waste," "toxic substance," "toxic waste," "toxic pollutant," "contaminant," "pollutant," "infectious waste," "medical waste," "radioactive waste," or "sewage sludge" under applicable state or federal law. Prohibited material also includes any material that requires any special handling, storage, management, transfer or disposal than by the ordinary means in dealing with recyclable material. Prohibited material also includes any other material that presents a substantial danger to public health or safety, violates applicable state or federal air quality, or water affluent standards. Prohibitive material is also defined as any material that because of its size, durability or composition cannot be transported by Republic or has a reasonably likely possibility of adversely affecting the operation of the Republic facilities.

"Recyclable Materials": Recyclable Material consists of any material or substance at City's location that can be put to beneficial re-use or sold in recognized markets for purposes other than disposal, including without limitation, uncontaminated non-hazardous corrugated cardboard, white paper, newsprint and other paper; plastics; ferrous and non-ferrous metals. Recyclable Materials shall not include any prohibited material as defined under this section.

12. The following events shall be considered default by the City under this Agreement:

- Customer fails to pay the amount due within the time allotted in this Agreement.

- City fails to perform any other term, covenant or agreement contained in this Agreement and such failure continues for a period of thirty (30) days after written notice to the City specifying the nature of the failure and requesting that it be remedied.

13. The following shall be considered default by Republic under this Agreement:

- Failing to accept and haul recyclable material presented to it by the City.
- Republic fails to perform any term, covenant or agreement contained in this Agreement and such failure continues for a period of thirty (30) days after written notice to Republic specifying the nature of the default and requesting that the default be remedied.
- Failure to properly secure and haul recyclable material so that it creates a trail of recyclable materials within the City limits.

14. Whenever any event of default by the City or Republic has occurred, the parties have the following rights and remedies, which shall be in addition to any other remedies provided by applicable law or this Agreement:

Upon the end of any applicable grace period provided in the Agreement, the parties shall have the option to immediately terminate this Agreement. If the City is in default, Republic shall have the option, without terminating this Agreement, to stop accepting recyclable materials until the City's default is cured or this Agreement is terminated. If Republic is in default, the City shall have the option, without terminating this Agreement, to stop delivering recyclable materials to Republic and not pay any fees or costs to Republic for the period of interruption.

15. The City shall indemnify, defend (upon request by Republic) and hold harmless Republic from and against any and all claims, counterclaims, suits, demands, actions, causes of actions, fines, judgments, losses, liabilities, damages, costs, expenses, or other liabilities, including reasonable attorney fees incurred in any proceeding, arising

out of a claim or loss of or damage to property or injury to or death of any person, to the extent caused by or arising out of the City's negligence or willful misconduct.

16. Republic shall indemnify, defend (upon request by the City) and hold harmless the City from and against any and all claims, counterclaims, suits, demands, actions, causes of actions, fines, judgments, losses, liabilities, damages, costs, expenses, or other liabilities, including reasonable attorney fees incurred in any proceeding, arising out of a claim or loss of or damage to property or injury to or death of any person, to the extent caused by or arising out of Republic's negligence or willful misconduct.

17. During the term of this Agreement, the parties shall maintain the following insurance coverages:

Workers' compensation: Coverage A Statutory

Coverage B Employer's liability

\$1,000,000.00 each bodily injury by accident

\$1,000,000.00 policy limit bodily injury by disease

\$1,000,000.00 each occurrence bodily injury by disease

Automobile liability:

Bodily injury/property damage \$3,000,000.00

Combined-single limit

Coverage applies to all owned, unowned, hired and leased vehicles, including trailers, and must include

MCS-90 endorsement for pollution liability coverage

Commercial general liability

Bodily injury/property damage

\$2,000,000.00 each occurrence

Combined-single limit

\$3,000,000.00 general aggregate (including products/completed operations)

All policies required herein shall be written by insurance carriers with a rating of AM Best of at least A- and a financial size category of at least VIII. The City and Republic shall each deliver the certificates of insurance evidencing the foregoing policies to the other before Republic accepts any recyclable material from the City pursuant to this Agreement. The parties agree that the insurance coverage afforded under the policies

above referenced (other than workers' compensation) will not be canceled or materially altered, unless at least thirty (30) days' prior written notice has been given to the other party under this Agreement.

18. Neither party hereto shall be liable for its failure to perform hereunder due to contingencies beyond the parties' reasonable control, including but not limited to riots, terrorist acts, compliance with or changes in applicable law, fires, the loss, suspension, revocation or nonrenewal of any permit, license or approval with respect to the Republic recycling facility and/or acts of God. Any failure or delay in performance because of a Force Majeure event as described above shall not constitute a breach of this Agreement, but shall entitle the affected parties to be relieved of performance during the term of such event and for a reasonable time thereafter.

19. The City and Republic shall perform their obligations under this Agreement as independent contractors. Neither party nor any of its employees, agents or subcontractors shall be, purport to be, or be deemed the agent of the other party.

20. Neither party shall assign this Agreement without the other party's prior written consent. Such consent shall not be unreasonably withheld, delayed or conditioned by the City. Upon assignment of this Agreement, either party may terminate this Agreement with ninety (90) days' written notice. This Agreement shall be binding upon and shall inure to the benefit of the parties and their respective successors and permitted assigns.

21. This Agreement supersedes all prior agreements, written or oral, with respect to the subject matter of this Agreement. Only a written instrument signed by both parties hereto may modify this Agreement.

22. If any provision of this Agreement is held to be invalid or unenforceable for any reason, the remaining provisions hereof shall continue in full force and effect without being impaired or invalidated in any way.

23. No delay or omission by a party in exercising any right under this Agreement shall operate as a waiver of that or any other right. A waiver or consent given by a party on any occasion is effective only in that instance and shall not be construed as a bar to or waiver of any right on any other occasion.

24. Republic is granted the exclusive right to provide services specifically enumerated in this Agreement. The City retains the right to contract for glass recycling or hauling.

25. This Agreement shall be governed by and construed in accordance with the laws of the State of Iowa.

26. It has been agreed between the parties that the "Recyclable Materials specifications, Quality or Grade" shall be as per the terms specified in Exhibit A, and the "Material Value (Revenue) Base Pricing Model" shall be as per the terms specified in Exhibit B which shall be part and parcel of this Agreement

27. Any captions contained in this Agreement are for convenience of reference only and in no way define, describe, extend or limit the scope or intent of this Agreement or the intent of any provision contained in this Agreement.

28. This Agreement may be executed in two or more original facsimile or PDF counterparts, each of which shall be deemed an original and all of which together shall constitute but one and the same instrument. This Agreement is intended to be solely for the benefit of the parties hereto and their successors and permitted assigns and is not intended to or shall not confer any rights or benefits on any other third party not a signatory hereto or expressly provided in this Agreement. The undersigned individuals signing this Agreement on behalf of the City and Republic acknowledge that he or she has read and understands the terms and conditions of this Agreement and that he or she has the authority to sign the Agreement on behalf of the City or Republic.

Date: \_\_\_\_\_

REPUBLIC SERVICES OF IOWA

By: \_\_\_\_\_

Ken Rowley

CITY OF GRINNELL, IOWA

---

Dan F. Agnew, Mayor

Attest:

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Annmarie Wingarter, City Clerk/Finance Director

**Exhibit A**

**Recyclable Materials Specifications, Quality or Grade**

Baled Old Corrugated Cardboard #11 (bale weights 1000 lbs.) Rebate = Pulp and Paper (PPI) High Side less \$25.00

Trailer spotted for OCC only.

**Exhibit B**

# Recycling Processing Pricing, City Of Grinnell

**Recycling Processing 08-01-2020-08-/31/2021**

Rate For Co-Mingled Recycling Processing \$107.54 (One Hundred Seven Dollars and Fifty Four Cents) per ton.

Rate For Transportation of Recycled Material \$676.00 (Six Hundred Seventy Six Dollars per pull.)

Rate For Rebate of Recycled Material 80% (Eighty Percent) of Blended Value of Commodities

<b>CUSTOMER</b> City of Grinnell	<b>Total Rev Share (charge)</b> \$ (4,197.34)
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June-19								
Product Mix	Percent	Estimated Weight*	Processing Cost/Ton (FY17,FY18)	Processing Cost Weighted Avg Allocation**	Finished Commodity Value	Commodity Weighted Avg Allocation***	Net Tipping Charge****	Market Indicator
Mixed Paper	40.00%	20.00	\$ 107.54	\$ 43.02	\$ -	\$ -	\$ 43.02	PPI Midwest Mixed #54 High
ONP	22.40%	11.20	\$ 107.54	\$ 24.09	\$ 25.00	\$ 5.600	\$ 18.49	PPI Midwest News Residential and Sorted #56 High
Residual Garbage, Glass, 3-7 Plastics	10.50%	5.25	\$ 107.54	\$ 11.29	\$ (64.00)	\$ (6.720)	\$ 18.01	Disposal + transport
PET	3.90%	1.95	\$ 107.54	\$ 4.19	\$ 292.60	\$ 11.411	\$ (7.22)	Secondary Materials Regional Average
HDPE Z	3.60%	1.80	\$ 107.54	\$ 3.87	\$ 275.00	\$ 9.900	\$ (6.03)	Secondary Materials Regional Average for Color HDPE
Tin	3.80%	1.90	\$ 107.54	\$ 4.09	\$ 120.00	\$ 4.560	\$ (0.47)	End Market Price
OCC	15.80%	7.90	\$ 107.54	\$ 16.99	\$ 30.00	\$ 4.740	\$ 12.25	PPI Midwest OCC #11 High

100.0%	\$ 107.54	\$ 29.49	\$ 78.05
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<b>Total Tons</b>	<b>50.00</b>
<b>Adjustments</b>	<b>0.00</b>
<b>Net Tons</b>	<b>50.00</b>

	Per Ton	Total
Processing Cost	\$ (107.54)	\$ (5,377.00)
Commodity Pay Back @ 80%	\$ 23.59	\$ 1,179.66
Net Revenue Share (Charge)	\$ (83.95)	\$ (4,197.34)

Transportation charge : \$650.00 per pull flat fee

Comments: Rate increases 4% every year .

- \* Percent multiplied by Net Tons
- \*\* Percent multiplied by Processing Cost/Ton
- \*\*\* Percent multiplied by Finished Commodity Value
- \*\*\*\* Processing Cost Weighted Avg Allocation minus Commodity Weighted Avg Allocation
- \*\*\*\*\* Determined by end market outlet costs to include transportation and handling.



5. **Pre-Installation Meeting:** Before any work begins an on-site meeting with a City of Grinnell Representative must occur to go over the proposed project and verify any hazards or issues that must be taken note of. Work that begins without this meeting may result in Civil Citations being issued against the parties listed on this application.
6. **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. 00409834.
7. **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.

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**Office Use Only**

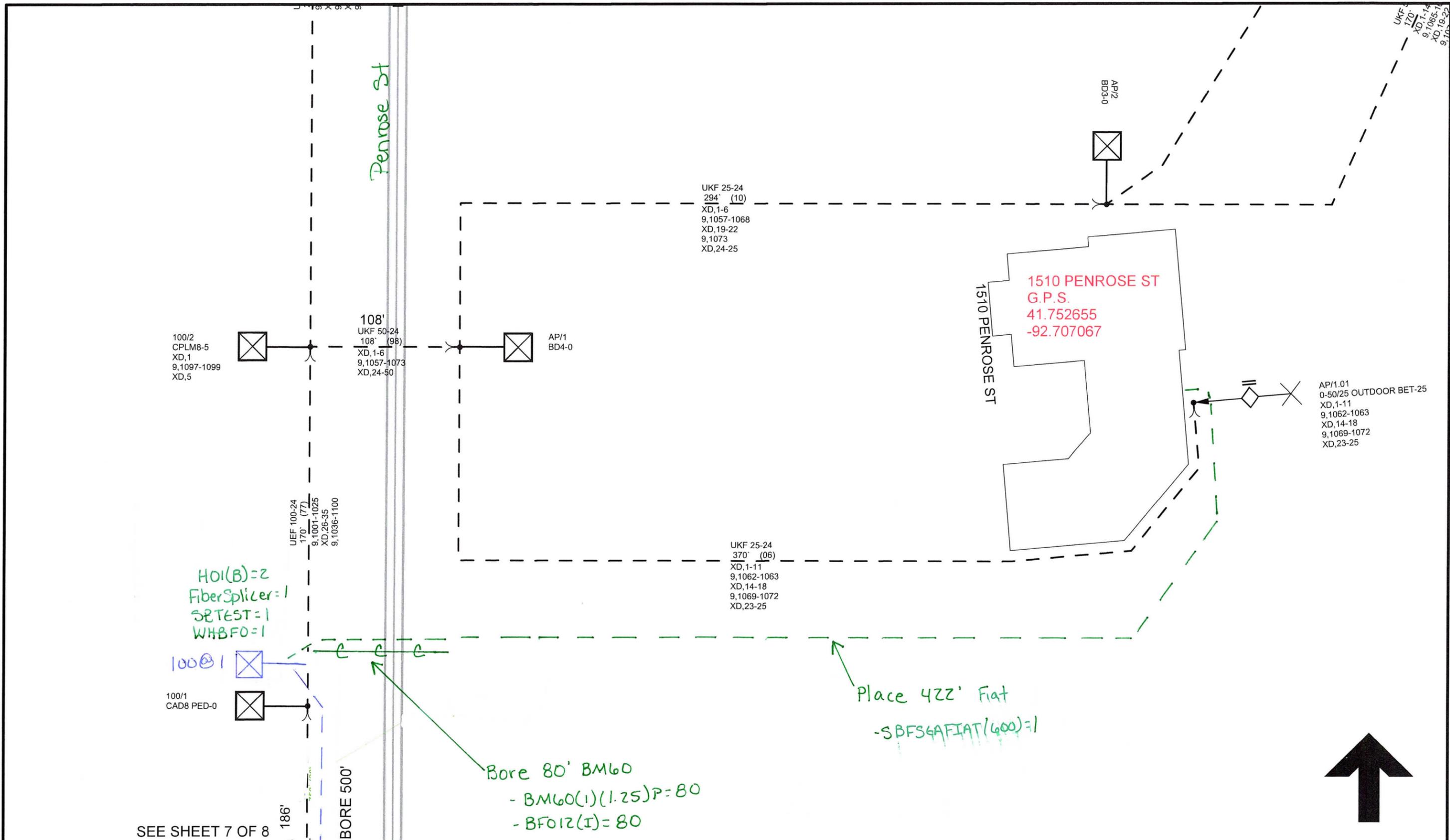
<b>Fees: Administrative Fee:</b>			<u><b>\$50.00</b></u>
<b>Use Fee:</b>			
<b>(No Additional Customers) Greater of \$100.00 or:</b>			
<b>Linear Feet Within C-2:</b> _____	x	<b>\$1.00</b>	_____
<b>Linear Feet Outside C-2:</b> <u>80</u>	x	<b>\$0.50</b>	<u>40.00</u>
		<b>Total:</b>	<u><b>\$ 90.00</b></u>

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

Date of Acceptance 7/22/2020

Date of Approval \_\_\_\_\_

Staff Tyler Avis



SEE SHEET 7 OF 8

CO ↓

JOB DESCRIPTION GPON SERVICE TO 1510 PENROSE ST 713300081-00004			ENGINEER Chris Cook	CONST MANAGER	EXCHANGE GRNLIXC	ISSUE DATE 3/10/2020 12:14:55 PM	REV DATE	REV #	SHEET # 1	OF 1
FTBB	WORK ORDER	DISTRICT	PHONE (641)437-4826	CM PHONE NBR	JOINT WORK REQ N	PERMIT REQUEST				
AWGF	GEO BLOCK	TAX DISTRICT	REQUESTED BY	OTHER CONTACTS	CIRCUIT ID	CUT SHT REQ N	MOP REQ N			



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

FOR DEPARTMENT USE ONLY		
Permit Number 79U-2020-018	Highway Number 6	County Poweshiek
DOT Project Number U799(8)		Expiration/Completion Date 07/16/21

APPLICANT (INDIVIDUAL OR COMPANY)				
First Name Stephen	Middle Initial B	Last Name Adney	Phone Number 501-748-5487	Ext.
Company Name Windstream Iowa Communications, LLC			Phone Number	Ext.
Street Address 4001 N. Rodney Parham Rd.		City/Town Little Rock	State AR	ZIP Code 72212
e-Mail Address stephen.adney@windstream.com		Secondary e-Mail Address james.wiand@windstream.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:  
PROPOSED 172' CO48 OVER LASH WITH EXISTING STRAND FROM POLE 49655/1035 TO POLE 38050/1109.

OSP-18759 / 71330908100045

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 8, Twp. 80N, Range 16W on Highway No. 6 generally located .11 (miles) West (direction) from intersection with Hwy 146 (city, county line, or other landmark). Work proposed is more specifically located as being from 186.61 (Milepost #) and 2285+27 (Highway Station) to 186.61 (Milepost #) and 186.61 (Highway Station) on the N and S side of highway.

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

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

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

## **B. Construction and Maintenance**

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

## **C. Liability**

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

## **D. Notification**

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

## **E. Buy America**

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

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

**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) Stephen Adney	Agent/Owner (Signature) 	Title Analyst I - Engineering
Name of Owner (Print or Type) Windstream Iowa Communications, LLC	Date 06/10/2020	
e-Mail Address stephen.adney@windstream.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		

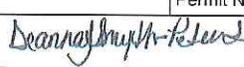
**FEDERAL HIGHWAY ADMINISTRATION ACTION (WHEN REQUIRED)**

Recommend Approval       Do Not Recommend Approval       None Required

Authorized FHWA Representative Signature	Date
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**DEPARTMENT OF TRANSPORTATION FINAL ACTION**

Application Approved       Application Denied      Permit Number:

Authorized Highway District Representative Deanna Smyth-Peters	Signature 	Date 07/15/20
e-Mail Address		

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

Local DOT Contact Person (Type or Print Name)	Phone Number		
Street Address	City/Town	State IA	ZIP Code
e-Mail Address			

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

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

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

#### Attachments

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

**ALL ITEMS MUST BE LEGIBLE FOR REVIEW AND FOR RESCANNING PURPOSES**

## Special Requirements

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

Right of Way shall be restored at the end of each working day.

No open holes or dirt piles shall be left on Right of Way during non-working hours.

No parking on the shoulders.

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

Proper traffic control must be used at all times.

761—115.16 (306A) Longitudinal installations on freeways.

115.16(1) *Type of installation permitted.*

a. The department may permit the installation of an underground utility facility if, in addition to complying with other provisions of this chapter, the facility specifically complies with this rule.

b. Except as provided in this rule, no aboveground installations other than those needed to serve highway facilities are allowed.

115.16(2) *Prohibitions on longitudinal occupancy.*

a. A utility facility shall not be used for transmitting gases or liquids or for transmitting products that are flammable, corrosive, expansive, highly energized or unstable.

b. A utility facility shall not present a hazard to life, health or property if it fails to function properly, is severed or is otherwise damaged.

c. No direct service connection to adjacent properties is allowed.

d. No utility facility is allowed in or on a structure carrying a freeway roadway or ramp, except for freeway border bridges, as provided in subrule 115.12(5).

115.16(3) *Minimal maintenance.* Once installed, the utility facility shall require minimal maintenance.

115.16(4) *Location and depth.* The utility facility shall be located on uniform alignment, preferably within eight feet of the freeway right-of-way line, and at a location approved by the department.

a. See subrule 115.13(1) for minimum depth requirements.

b. Except for multiduct systems, borings and isolated locations as determined by the department, cable shall be installed by the plowing method.

c. Utility accesses and splice boxes may be placed below the existing ground line. The location and number of installations are subject to department approval.

115.16(5) *Identification signs, pedestals and repeater stations.*

a. The utility owner shall place identification signs within 12 inches of the right-of-way fence, at the line of sight, along the entire occupancy route. These signs shall identify the owner/operator's name, telephone number to contact in case of an emergency, and the type of buried utility.

(1) The signs shall be composed of an ultraviolet-resistant material.

(2) Each sign shall be no larger than 200 square inches.

(3) The interval between signs shall not exceed one-quarter mile in rural areas and 500 feet in urban areas, or as designated by the department.

(4) Additional signs shall be placed on each side of a public highway, road or street intersecting or crossing the freeway at points where the freeway right-of-way line intersects the public highway, road or street right-of-way line.

(5) The utility owner is responsible for installing and maintaining these identification signs.

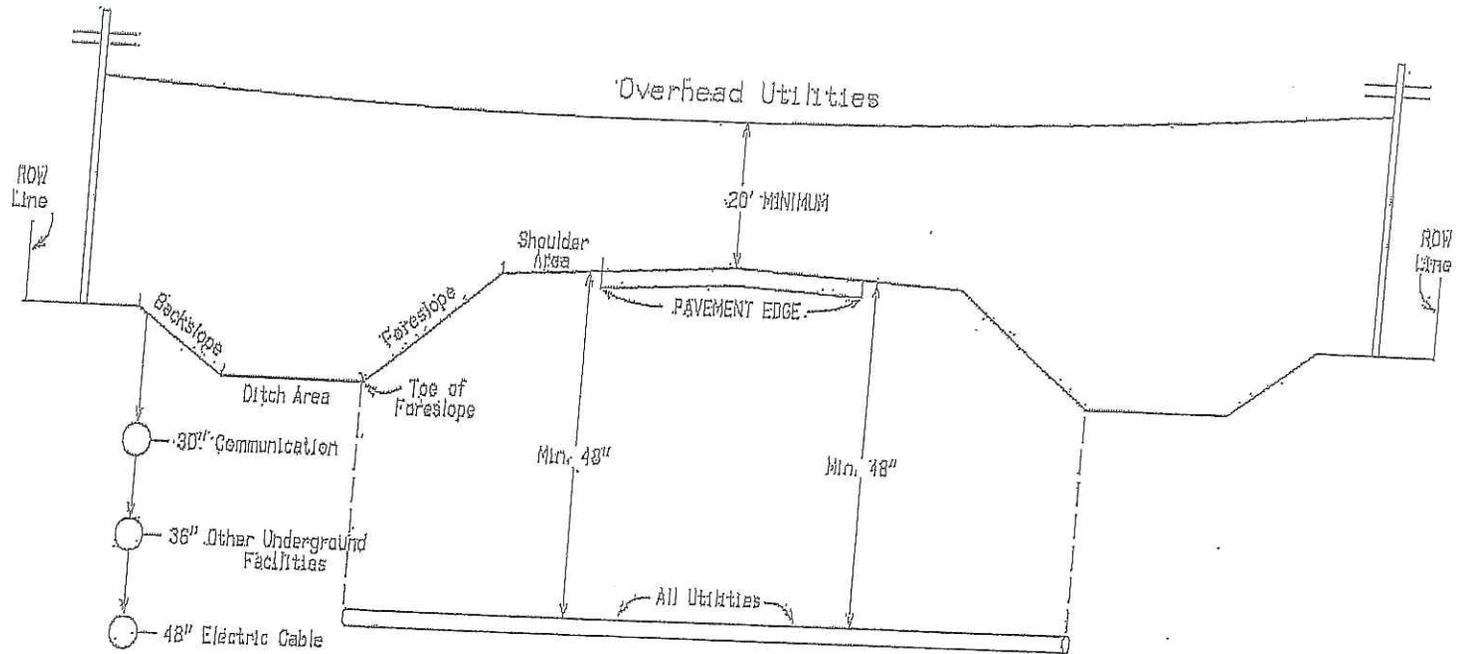
b. Aboveground pedestals are permissible. Pedestals should be placed one foot from the right-of-way fence. The number of installations is subject to department approval.

c. Repeater stations are not allowed in the right-of-way.

115.16(6) *Metallic warning tape.* Metallic warning tape shall be installed a minimum of 12 inches below the existing grade and above the utility installation to facilitate locating the installation in the future.

115.16(7) *Engineering.* The utility owner shall retain the services of a licensed, professional engineer.

# Minimum Policy Requirements Rural Section Non-Freeway Highway



E-8

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.

01/2012

Acceptable Clear Zone Distances (feet)  
(Based on AASHTO Roadside Design Guide, 4<sup>th</sup> edition)

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

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

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

## 511 Information Required

Before setting up a lane closure or a vertical/horizontal restriction of any kind on a primary highway extension, call your local Iowa DOT maintenance garage to discuss timing and date of the closure/restriction. Once the maintenance garage concurs with the timing and date, call the Iowa DOT Traffic Management Center (TMC) at 515-237-3300. The TMC will put the information in the 511 system, which generates an automatic message to Iowa DOT Motor Carrier Services (MCS) and the District office.

The following information is required to enter a maintenance/construction event into the Iowa DOT 511 system.

Requestor: \_\_\_\_\_ Contact number: \_\_\_\_\_

Route(s) affected: \_\_\_\_\_

Project description: \_\_\_\_\_

Project begin location (detailed description including cross streets and mile markers): \_\_\_\_\_

Project end location (detailed description including cross streets and mile markers): \_\_\_\_\_

County/Countries: \_\_\_\_\_

24 hour project contact:

Name \_\_\_\_\_ Phone \_\_\_\_\_

Describe the impact on traffic:

- |  |  |
|--|--|
| <input type="checkbox"/> Closed                    | <input type="checkbox"/> Right lane closed     |
| <input type="checkbox"/> Closed intermittently     | <input type="checkbox"/> Left lane closed      |
| <input type="checkbox"/> Intermittent lane closure | <input type="checkbox"/> Center lane closed    |
| <input type="checkbox"/> Alternating lane closures | <input type="checkbox"/> Right shoulder closed |
| <input type="checkbox"/> Reduced to one lane       | <input type="checkbox"/> Left Shoulder closed  |
| <input type="checkbox"/> Reduced to two lanes      | <input type="checkbox"/> Exit ramp closed      |
| <input type="checkbox"/> Reduced to three lanes    | <input type="checkbox"/> Entrance ramp closed  |

- Two center lanes are closed
- Left exit ramp closed
- Shoulder closed
- Bridge closed
- Intersecting road closed
- Local road closures in area
- Left lane of exit ramp closed

- Road construction
- Work in the median
- Opposing traffic
- Single lane traffic alternating directions

Additional project information (pilot car, flagger, etc.):

---

Will there be temporary overhead signals? (15' standard height restriction)

- Yes  No

If yes, please provide the location of the temporary overhead signals in the space provided.

---

Are there any other width or height restrictions:

- Yes  No

If yes, please describe:

---

Additional public website comments:

---

Project beginning date and time:

---

Project ending date and time:

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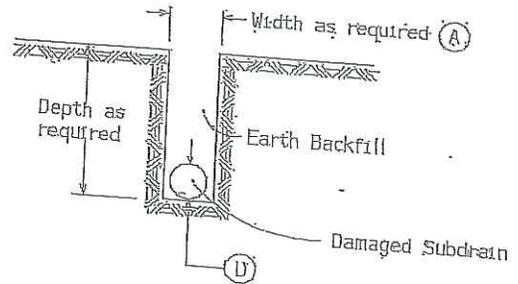
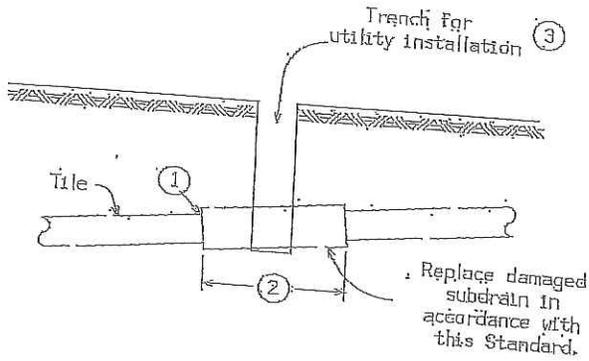
Times of closure

- Continuous  Weekdays (Monday – Friday)  Nights

Times of closure:

---

# 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 (1)	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 G.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 aluminumized metal pipe connect.

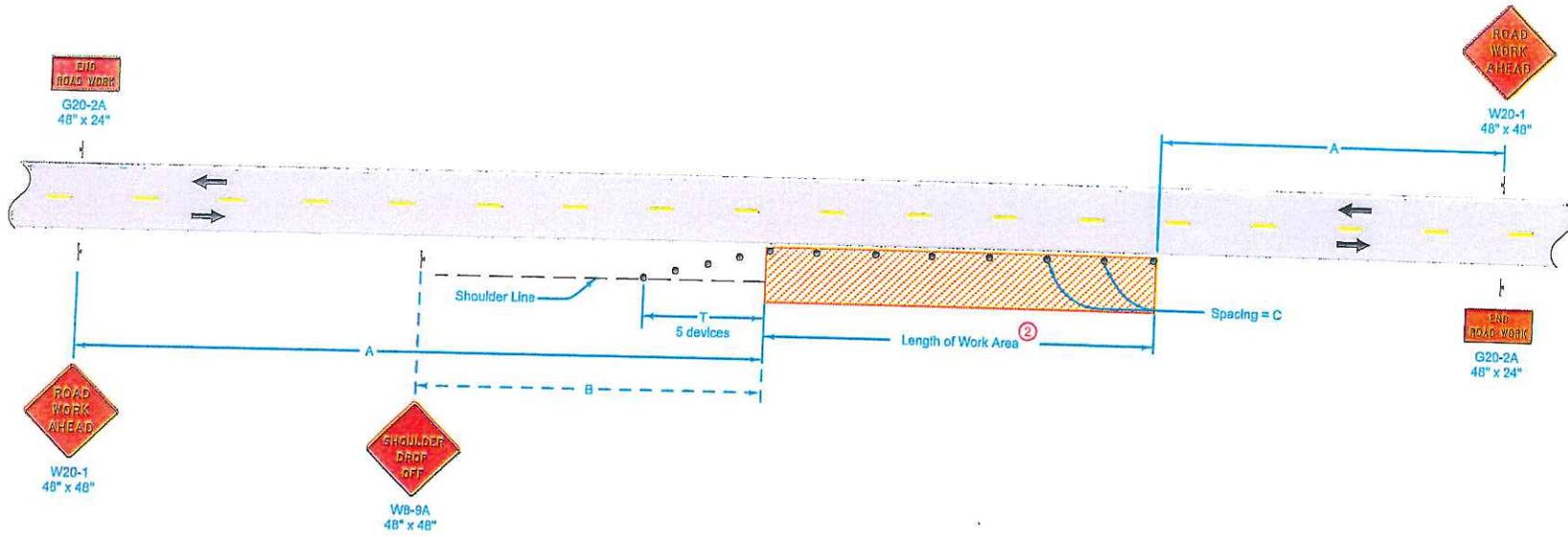
- 2) Minimum length of corrugated metal pipe shall be 4 feet. Minimum length of 2 feet on each side of the tile line break location.

- 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.



**LEGEND**

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

SPEED LIMIT (mph)	A	B	C <sup>②</sup>	T
35 or less	500'	250'	40'	100'
40 - 45	700'	350'	80' <sup>①</sup>	200'
50 or greater	1000'	500'	100' <sup>①</sup>	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.

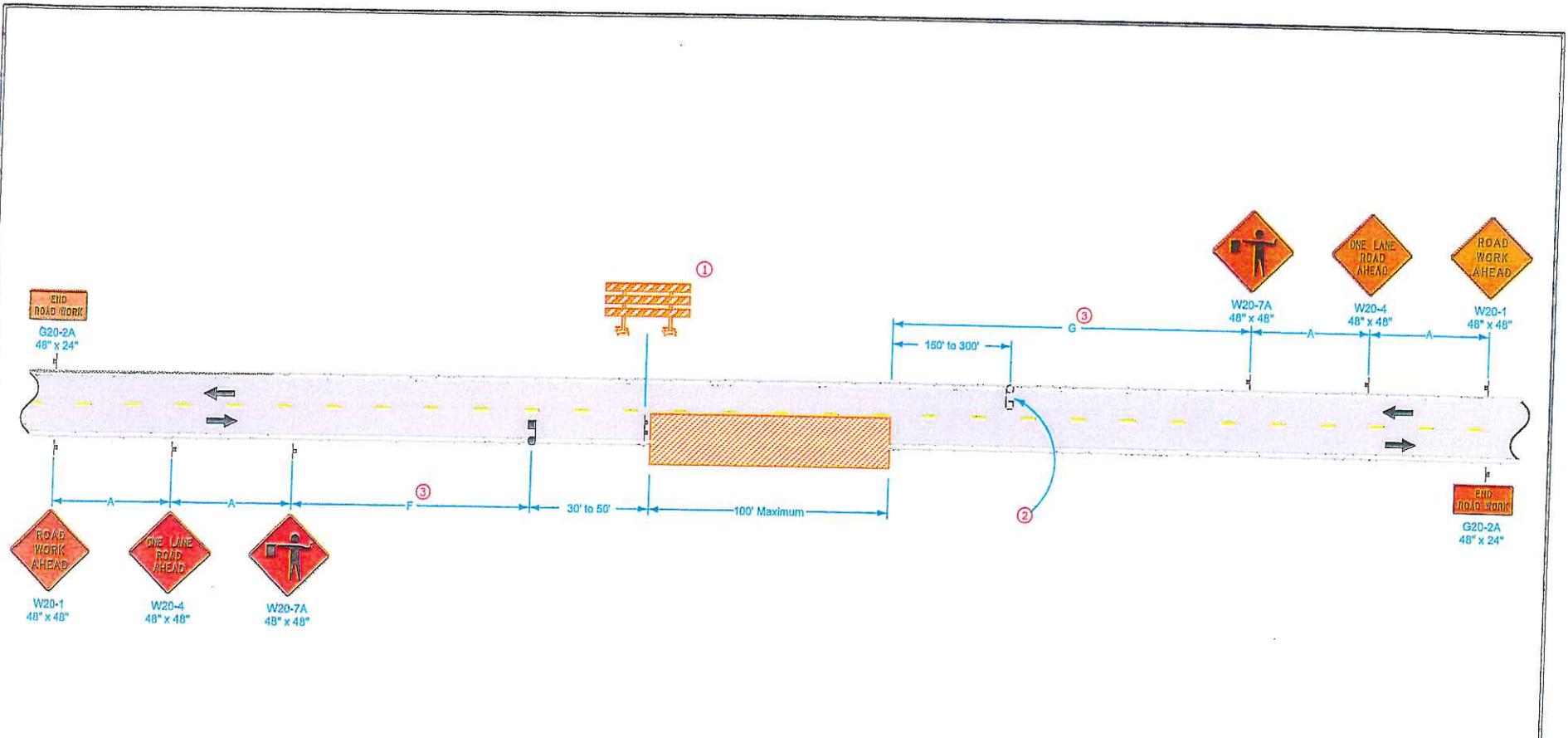
For work lasting less than one hour, refer to TC-1.

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



**LEGEND**

- Traffic Sign
- Flagger
- Work Area
- Type III Barricade
- Direction of Traffic

SPEED LIMIT (mph)	A	F and G Range <sup>③</sup>	F + G Max.
35 or less	250'	250'-3250'	3500'
40 - 45	350'	350'-3350'	3700'
50 or greater	500'	500'-3500'	4000'

- ① A vehicle with an amber revolving light or amber strobe light may be substituted for the Type III barricade.
- ② Provide a second flagger if:  
 The flagger's view of approaching traffic in the open lane is less than 1/4 mile or the work site is in an area of restricted sight distance (such as a "No Passing" zone); or  
 Excessive traffic delays are encountered.
- ③ F and G distances are to remain as near minimum values as work permits. However, to be able to move the work area without moving the advance signing, 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.

Possible Contract Items:  
 Flaggers  
 Traffic Control

<b>IOWADOT</b>	REVISION	
	5	10-15-19
<b>STANDARD ROAD PLAN</b>	<b>TC-212</b>	
REVISIONS: New logo.		SHEET 1 of 1
 APPROVED BY DESIGN METHODS ENGINEER		
<b>SPOT LOCATION LANE CLOSURE WITH FLAGGERS</b>		

## RURAL SEEDING

All areas disturbed by the applicant shall be reseeded using the seed mixture found in the current *Standard Specifications for Highway and Bridge Construction*. Changes to the seed mixture are subject to the approval of the district office.

Table 2601.03-1: Rural Stabilizing Crop Seeding Rates and Schedule

March 1 through October 31	
Oat	50 lbs. per acre
Grain rye	50 lbs. per acre
Canada wildrye ( <i>Elymus canadensis</i> )	5 lbs PLS. per acre
November 1 through February 28 (or 29)	
Oat	62 lbs. per acre
Grain rye	62 lbs. per acre
Canada wildrye ( <i>Elymus canadensis</i> )	7 lbs. PLS. per acre
For stabilizing crop only, Canada wildrye ( <i>Elymus canadensis</i> ) seed will not be required to be certified as Source Identified Class (Yellow Tag) Source G0-Iowa.	
Canada wildrye ( <i>Elymus canadensis</i> ) seed shall be debearded or equal to facilitate application of seed.	

Table 2601.03-3: Permanent Seed Rates, Rural Areas

Fescue, Tall (Fawn)	100 lbs. per acre
Ryegrass, Perennial (Linn)	75 lbs. per acre
Bluegrass, Kentucky	20 lbs. per acre

## Erosion Control Detail

Table 2601.03.1 Rural Stabilizing Crop Seeding Rates and Schedule

March 1 through October 31

Oat	60 lbs. per acre (56 kg/ha)
Grain Rye	60 lbs. per acre (56 kg/ha)
Canada wild rye ( <i>Elymus Canadensis</i> )	7 lbs. PLS per acre (8 kg/ha)

November 1 through February 28 (29)

Oat	62 lbs. per acre (69 kg/ha)
Grain Rye	62 lbs. per acre (69 kg/ha)
Canada Wild rye ( <i>Elymus Canadensis</i> )	7 lbs. PLS per acre (8 kg/ha)

For stabilizing crop only, Canada wild rye (*Elymus Canadensis*) seed will not be required to be certified as Source Identified Class (Yellow Tag) Source G0-Iowa.

Canada wild rye (*Elymus Canadensis*) seed shall be debarbed or equal to facilitate application of seed.

Table 2601.03-2: Urban Stabilizing Crop Seeding Rates

Bluegrass, Kentucky	122 lbs. per acre (187 kg/ha)
Ryegrass, Perennial (Fine leaf Variety)	35 lbs. per acre (39 kg/ha)
Fescue Creeping Red	18 lbs. per acre (20 kg/ha)

Table 2601.03-8 Permanent Seed Rates, Rural Areas

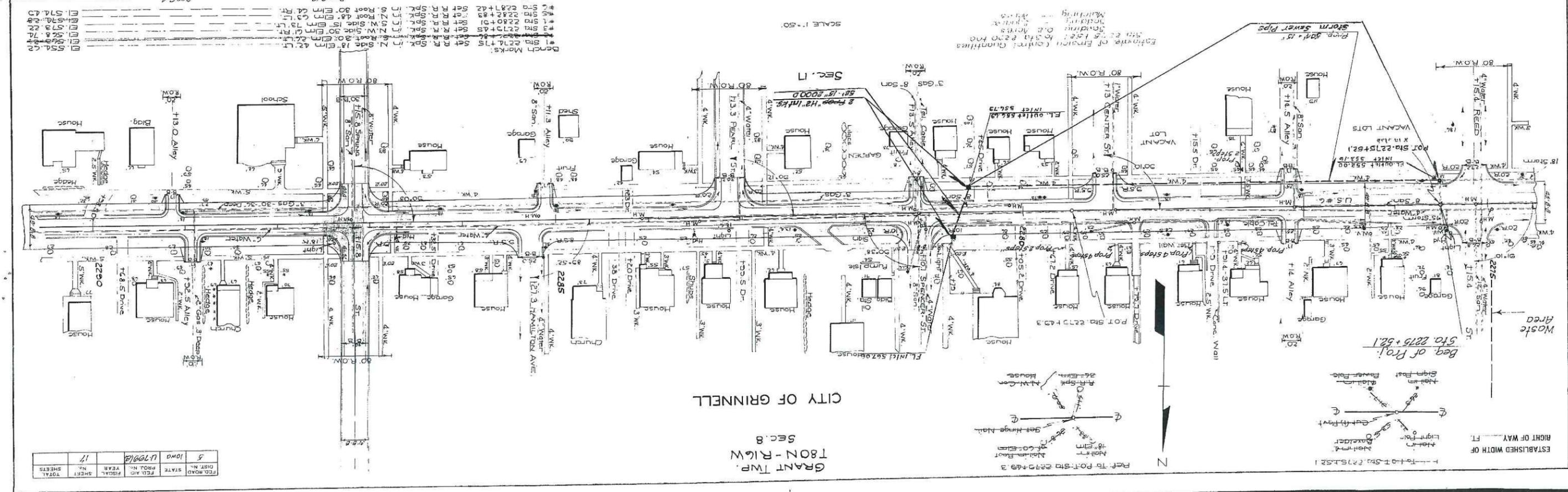
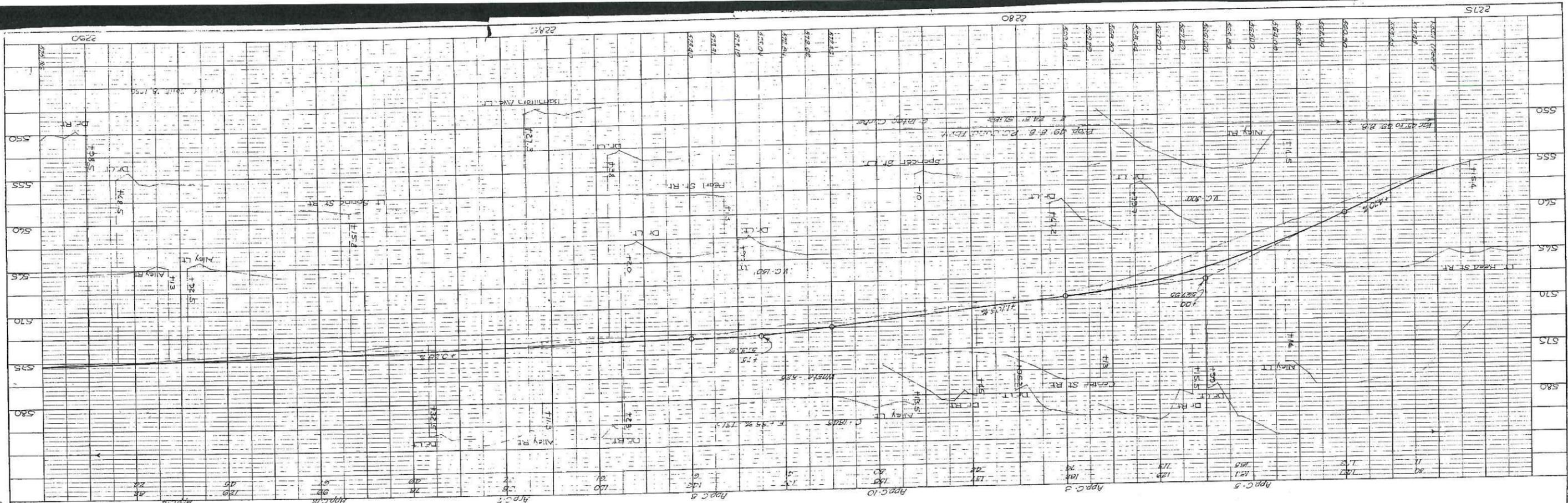
Fescue Tall (Fawn)	100 lbs. per acre (112 kg/ha)
Ryegrass, Perennial (Linn)	75 lbs. per acre (84 kg/ha)
Bluegrass, Kentucky	20 lbs. per acre (22 kg/ha)

Permanent Seed Rates, Urban Area

Bluegrass, Kentucky	122 lbs. per acre (187 kg/ha)
Ryegrass, perennial (Fine leaf)	35 lbs. per acre (39 kg/ha)
Fescue, Creeping Red	18 lbs. per acre (20 kg/ha)

PROFILE	DATE
REVISIONS	
NOTED	
BY	
DATE	

PLAN	DATE
REVISIONS	
NOTED	
BY	
DATE	

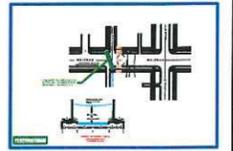
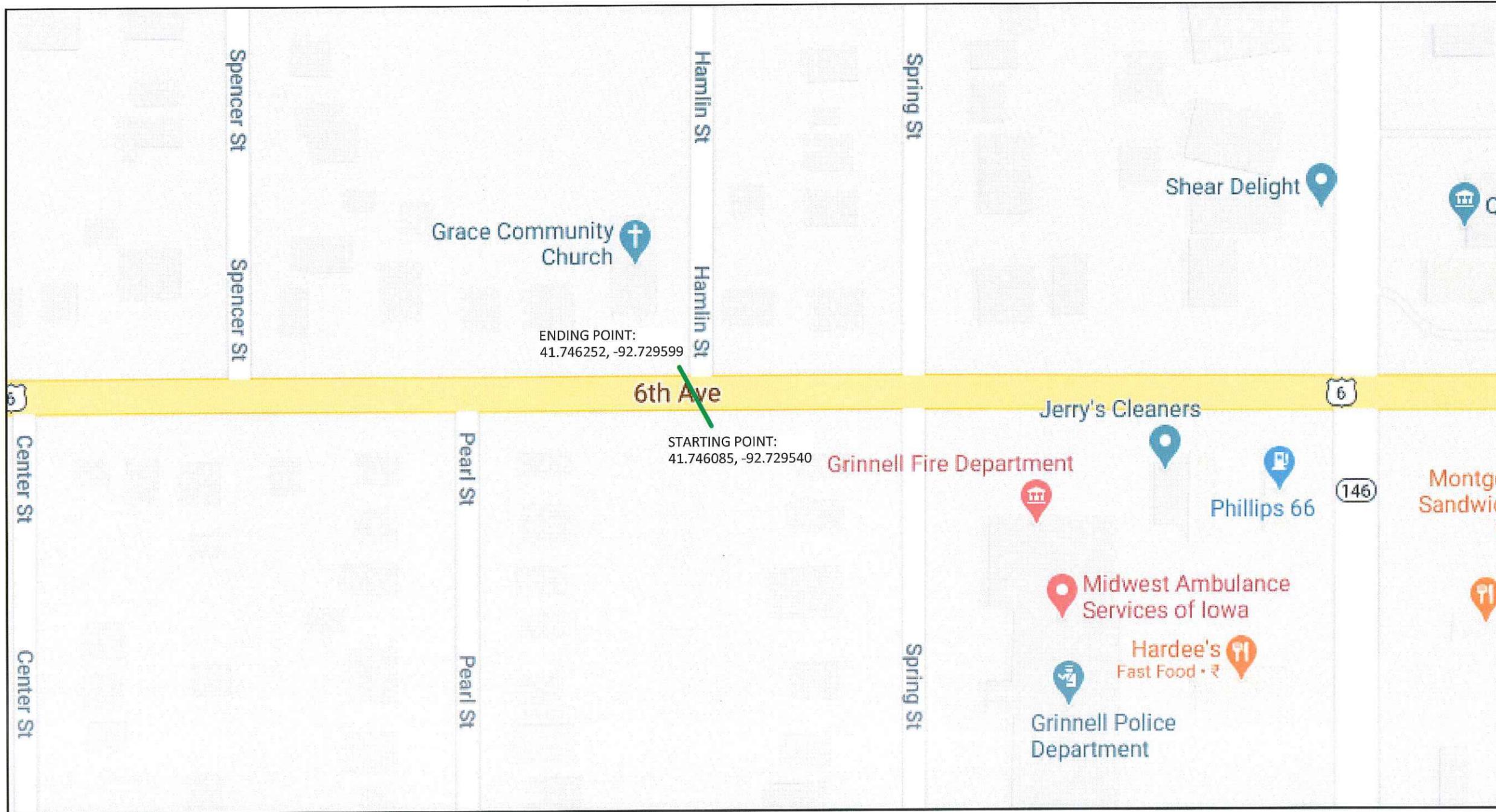


Estimate of Erection (Center Quantities)  
 Sta. 2275+52.1 to Sta. 2290+00.0  
 15" Storm Sewer Pipe  
 12" Storm Sewer Pipe  
 8" Sanitary Sewer Pipe  
 6" Sanitary Sewer Pipe  
 Manholes  
 Structures  
 Excavation  
 Backfill  
 Paving  
 etc.

REG. ROAD	STATE	FISCAL	YEAR	SHEET	TOTAL
5	10	17	17	17	17

CITY OF GRINNELL  
 Sec. 8  
 T8N-R1W  
 GRANT TWP.

# Windstream LOCATION MAP SR 6 / 6TH AVE



**LEGEND**

- PROPOSED CONDUIT
- AERIAL OVERLASH
- SIDEWALK
- EOP
- BOC
- POLE
- POWER POLE
- EASEMENT



DATE CREATED: 4/10/20

DATE REVISED:

DRAWN BY: RAMTeCH



SCALE: NTS

COMPANY:  
Windstream

SYSTEM:  
GRINNELL, IA

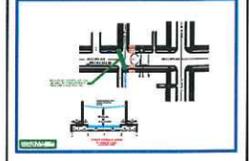
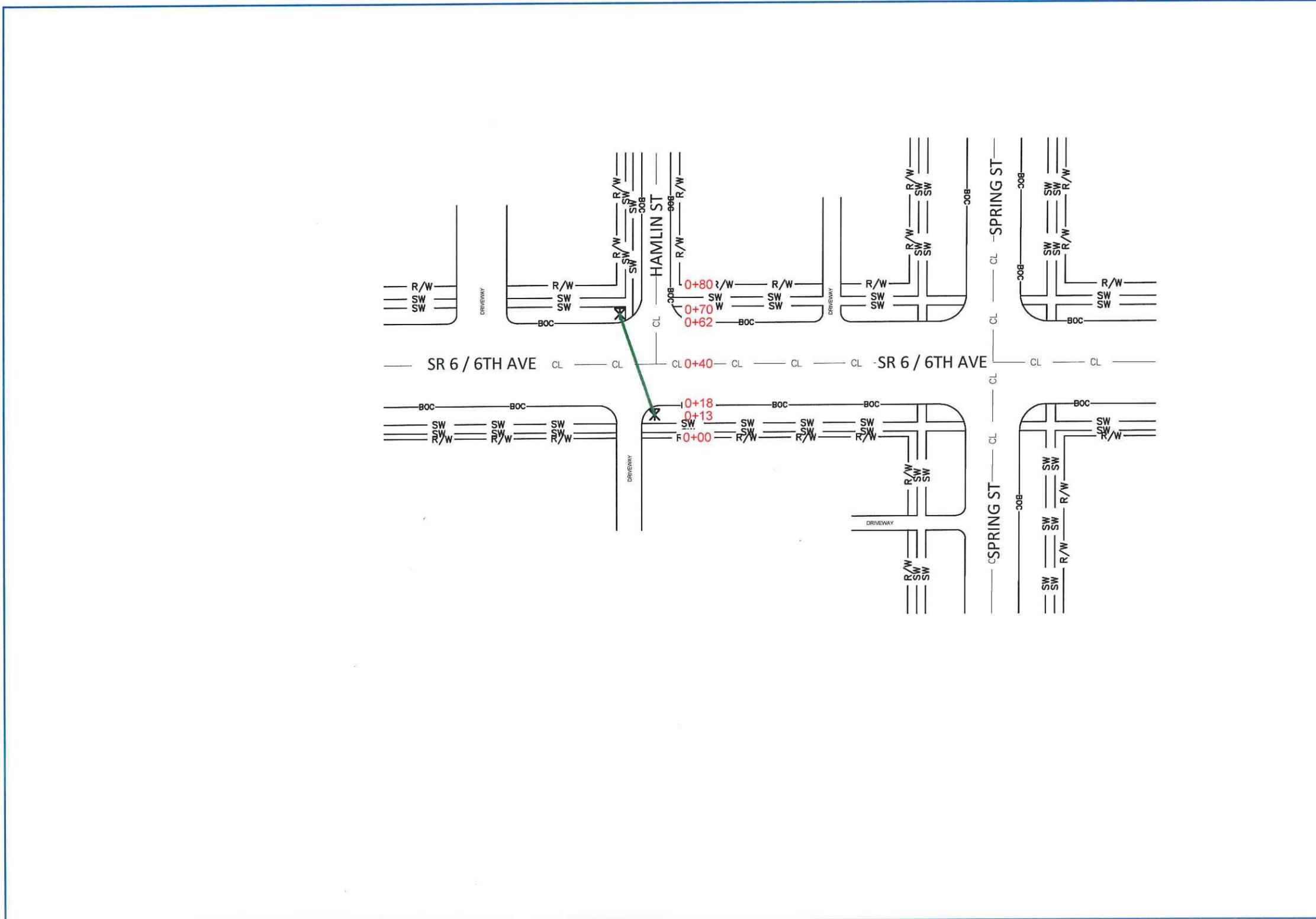
PROJECT NUMBER:  
713309081-00045

DESCRIPTION:  
SB FTTP PERMIT

MAP:  
LOCATION MAP

**RAMTeCH**

# STATE PERMIT SR 6 / 6TH AVE



### LEGEND

- PROPOSED CONDUIT
- AERIAL OVERLASH
- SIDEWALK
- EOP
- BOC
- POLE
- POWER POLE
- EASEMENT



DATE CREATED: 4/10/20

DATE REVISED:

DRAWN BY: RAMTeCH



SCALE: NTS

COMPANY:  
Windstream

SYSTEM:  
GRINNELL, IA

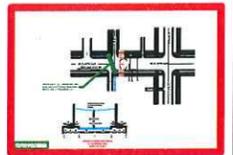
PROJECT NUMBER:  
713309081-00045

DESCRIPTION:  
SB FTTP PERMIT

MAP:

KEY MAP

RAMTeCH



LEGEND

- PROPOSED CONDUIT
- AERIAL OVERLASH
- SIDEWALK
- EOP
- BOC
- POLE
- POWER POLE
- EASEMENT



DATE CREATED: 4/10/20

DATE REVISED:

DRAWN BY: RAMTeCH



SCALE: 1:50

COMPANY:

Windstream

SYSTEM:

GRINNELL, IA

PROJECT NUMBER:

713309081-00045

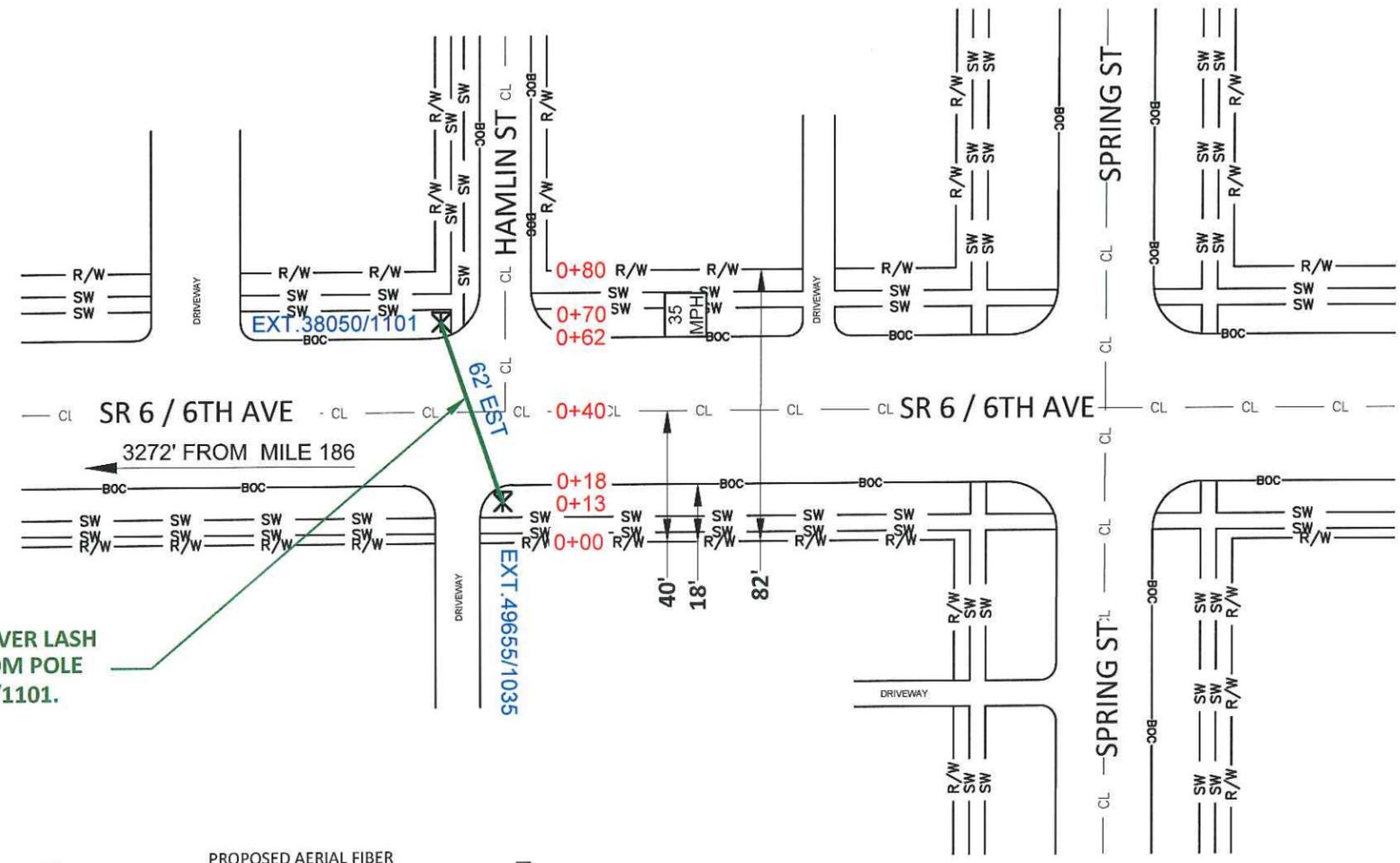
DESCRIPTION:

SB FTTP PERMIT

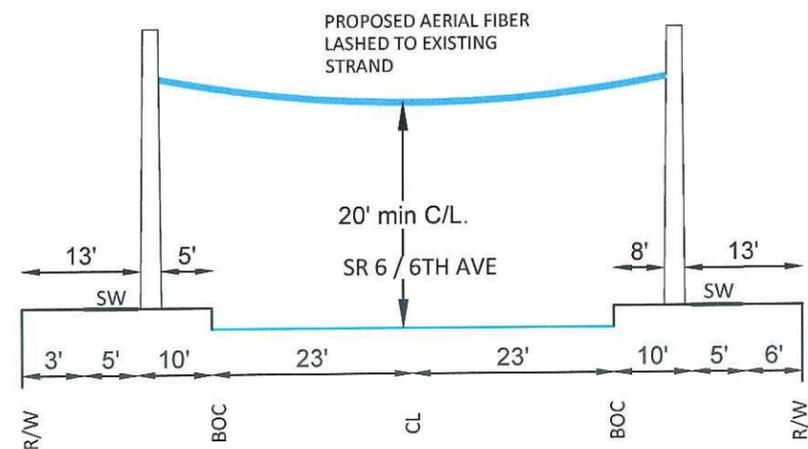
MAP:

1 OF 1

RAMTeCH



PROPOSED 62' 12CT FIBER OVER LASH  
WITH EXISTING STRAND FROM POLE  
49655/1035 TO POLE 38050/1101.



**STREET CROSSING AERIAL  
CLEARANCE SR 6  
LOOKING EAST**

**PROPOSED WINDSTREAM  
ATTACHED AT 20'**



5. **Pre-Installation Meeting:** Before any work begins an on-site meeting with a City of Grinnell Representative must occur to go over the proposed project and verify any hazards or issues that must be taken note of. Work that begins without this meeting may result in Civil Citations being issued against the parties listed on this application.
6. **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. \_\_\_\_\_.
7. **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**

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

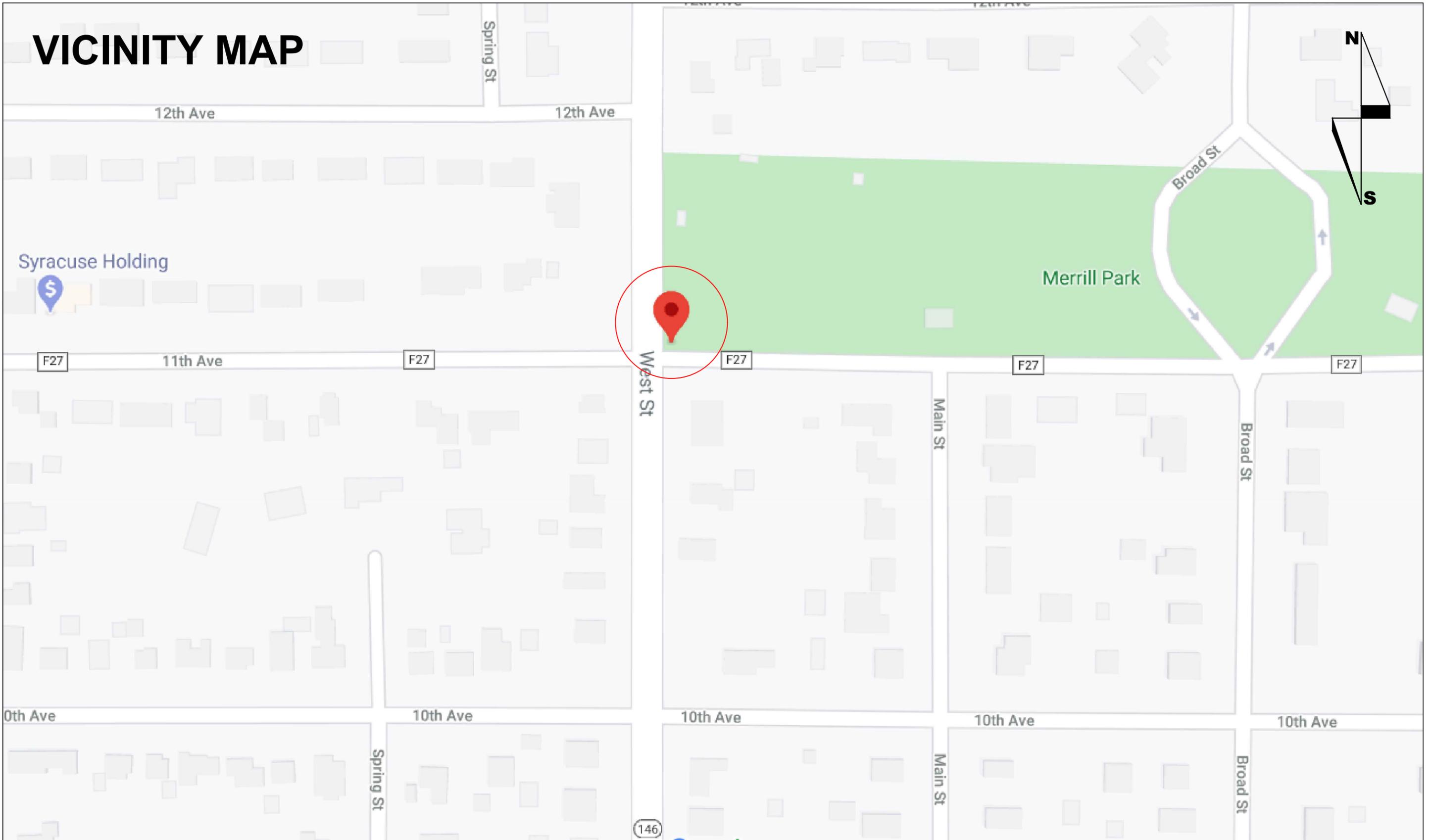
**(Additional Customers) Greater of \$100.00 or 3% Gross Revenues from Services. Paid annually.**

Date of Acceptance \_\_\_\_\_

Date of Approval \_\_\_\_\_

Staff \_\_\_\_\_

# VICINITY MAP



**ADDRESS:-** 1526 WEST STREET, GRINNELL, IOWA 50112  
 POWESHIEK COUNTY, IA  
 PERMIT REQ.- CITY  
**LOCATE ALL FACILITIES PRIOR TO DIGGING**  
**IA - IOWA ONE CALL - 811 - 1-800-292-8989**

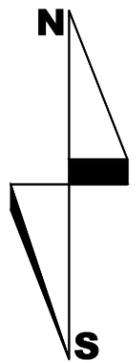
SCALE: NTS



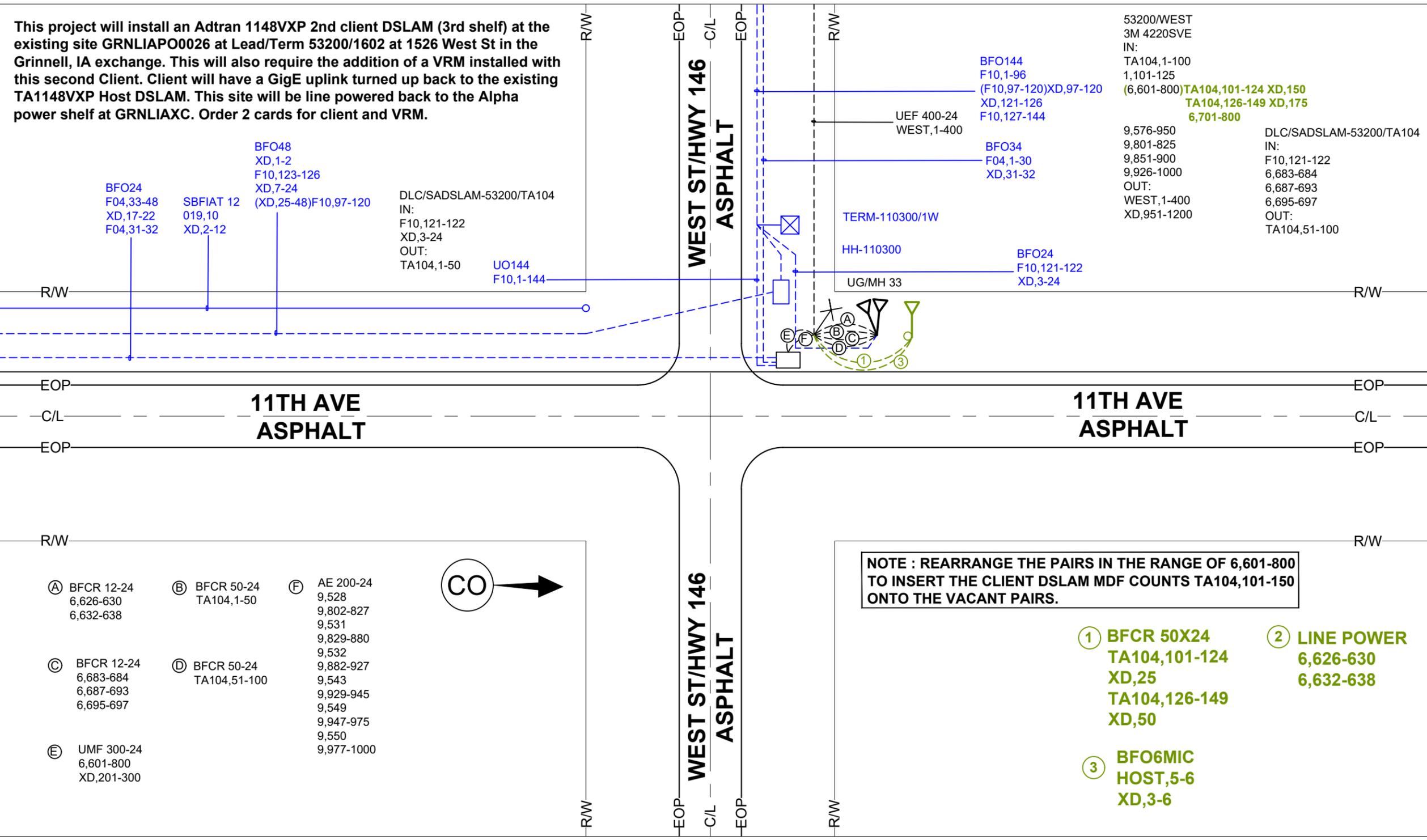
ENGINEER: **WINDSTREAM**  
 BRIAN OTTO  
 FIELD ENGINEER: **PEARCE SERVICES**  
 DAVID HARRIS  
 DRAWN BY: **PEARCE SERVICES**  
 ANUBHAV KAUSHIK

PROJECT NUMBER : 713302109  
 EXCHANGE: GRNLIAXC  
 PROJECT TITLE: PCAP0630 - EWR10369  
 SHEET: 01 OF 04      DATE: 07/01/2020





This project will install an Adtran 1148VXP 2nd client DSLAM (3rd shelf) at the existing site GRNLIAPO0026 at Lead/Term 53200/1602 at 1526 West St in the Grinnell, IA exchange. This will also require the addition of a VRM installed with this second Client. Client will have a GigE uplink turned up back to the existing TA1148VXP Host DSLAM. This site will be line powered back to the Alpha power shelf at GRNLIAXC. Order 2 cards for client and VRM.



**ADDRESS:-** 1526 WEST STREET, GRINNELL, IOWA 50112  
 POWESHIEK COUNTY, IA  
**PERMIT REQ.-** CITY  
**LOCATE ALL FACILITIES PRIOR TO DIGGING**  
**IA - IOWA ONE CALL - 811 - 1-800-292-8989**

SCALE: NTS



**ENGINEER:** WINDSTREAM  
 BRIAN OTTO  
**FIELD ENGINEER:** PEARCE SERVICES  
 DAVID HARRIS  
**DRAWN BY:** PEARCE SERVICES  
 ANUBHAV KAUSHIK

**PROJECT NUMBER :** 713302109  
**EXCHANGE:** GRNLIAXC  
**PROJECT TITLE:** PCAP0630 - EWR10369  
**SHEET:** 02 OF 04  
**DATE:** 07/01/2020



# ADTRAN 1148 VXP HOST PADMOUNT COMMERCIAL POWER MODEL CLI:GRNLIAP0026

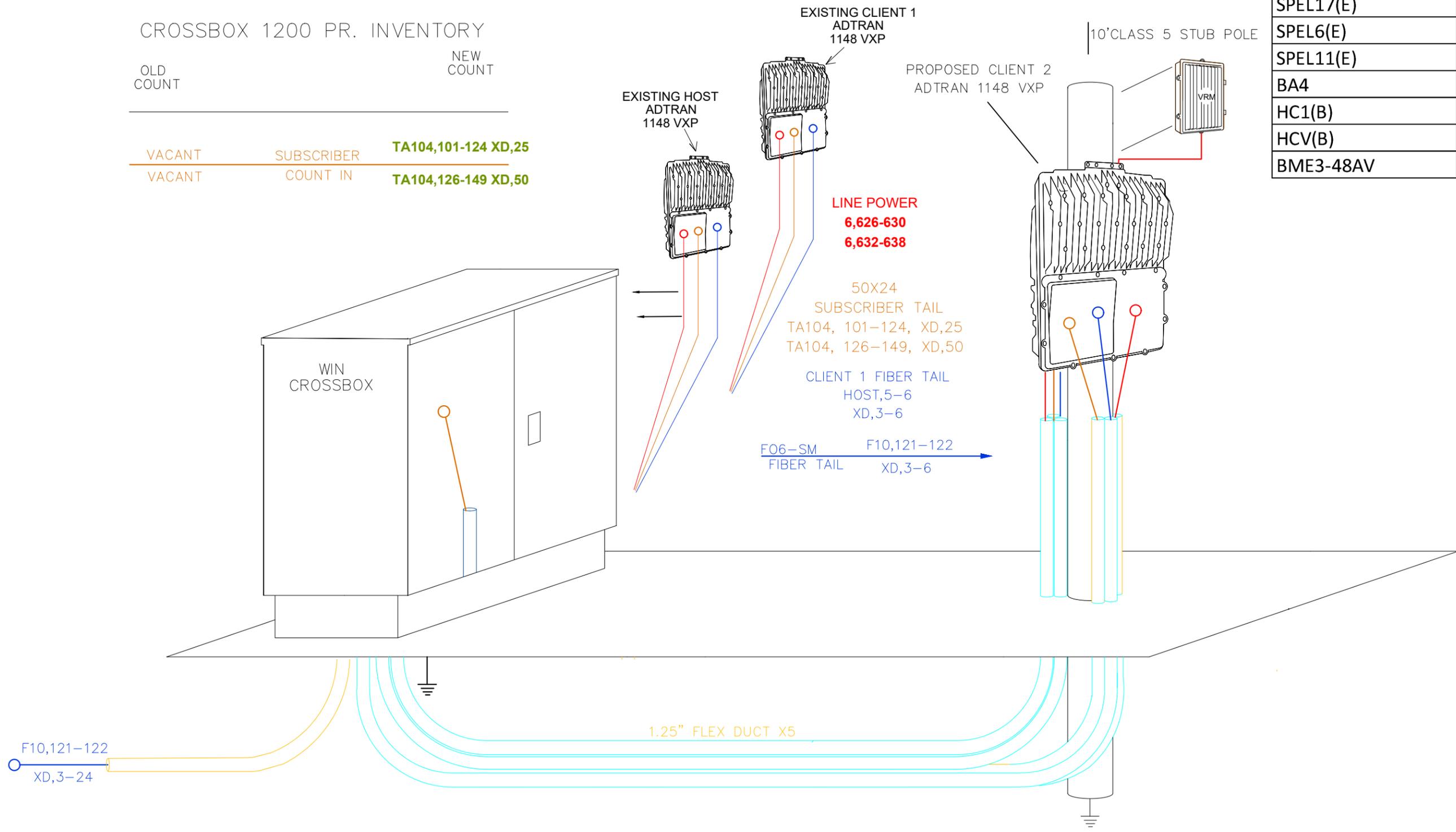
### UNIT SUMMARY

BME3-48A	1
WHC3(B)	50
HO1(B)	2
SPEL17(E)	10
SPEL6(E)	10
SPEL11(E)	15
BA4	1
HC1(B)	12
HCV(B)	50
BME3-48AV	1

CROSSBOX 1200 PR. INVENTORY

OLD COUNT	NEW COUNT
--------------	--------------

VACANT	SUBSCRIBER	TA104,101-124 XD,25
VACANT	COUNT IN	TA104,126-149 XD,50



**ADDRESS:-** 1526 WEST STREET, GRINNELL, IOWA 50112  
 POWESHIEK COUNTY, IA  
 PERMIT REQ.- CITY  
**LOCATE ALL FACILITIES PRIOR TO DIGGING**  
 IA - IOWA ONE CALL - 811 - 1-800-292-8989

SCALE: NTS



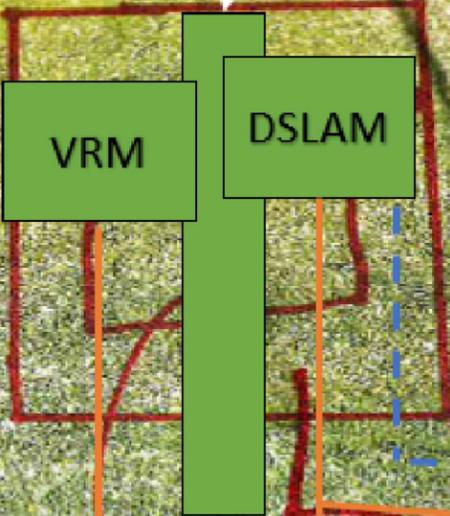
ENGINEER: **WINDSTREAM**  
 BRIAN OTTO  
 FIELD ENGINEER: **PEARCE SERVICES**  
 DAVID HARRIS  
 DRAWN BY: **PEARCE SERVICES**  
 ANUBHAV KAUSHIK

PROJECT NUMBER : 713302109  
 EXCHANGE: GRNLIAXC  
 PROJECT TITLE: PCAP0630 - EWR10369  
 SHEET: 03 OF 04  
 DATE: 07/01/2020



PLACE A NEW CLIENT DSLAM & VRM MODULE  
ON PROPOSED STUB POLE NEAR EXISTING  
XCONN.POWER WILL BE LINE POWER.

STUB  
POLE



CLIENT #2  
15' of  
2" DUCT

ADDRESS:- 1526 WEST STREET, GRINNELL, IOWA 50112  
POWESHIEK COUNTY, IA  
PERMIT REQ.- CITY  
LOCATE ALL FACILITIES PRIOR TO DIGGING  
IA - IOWA ONE CALL - 811 - 1-800-292-8989

SCALE: NTS



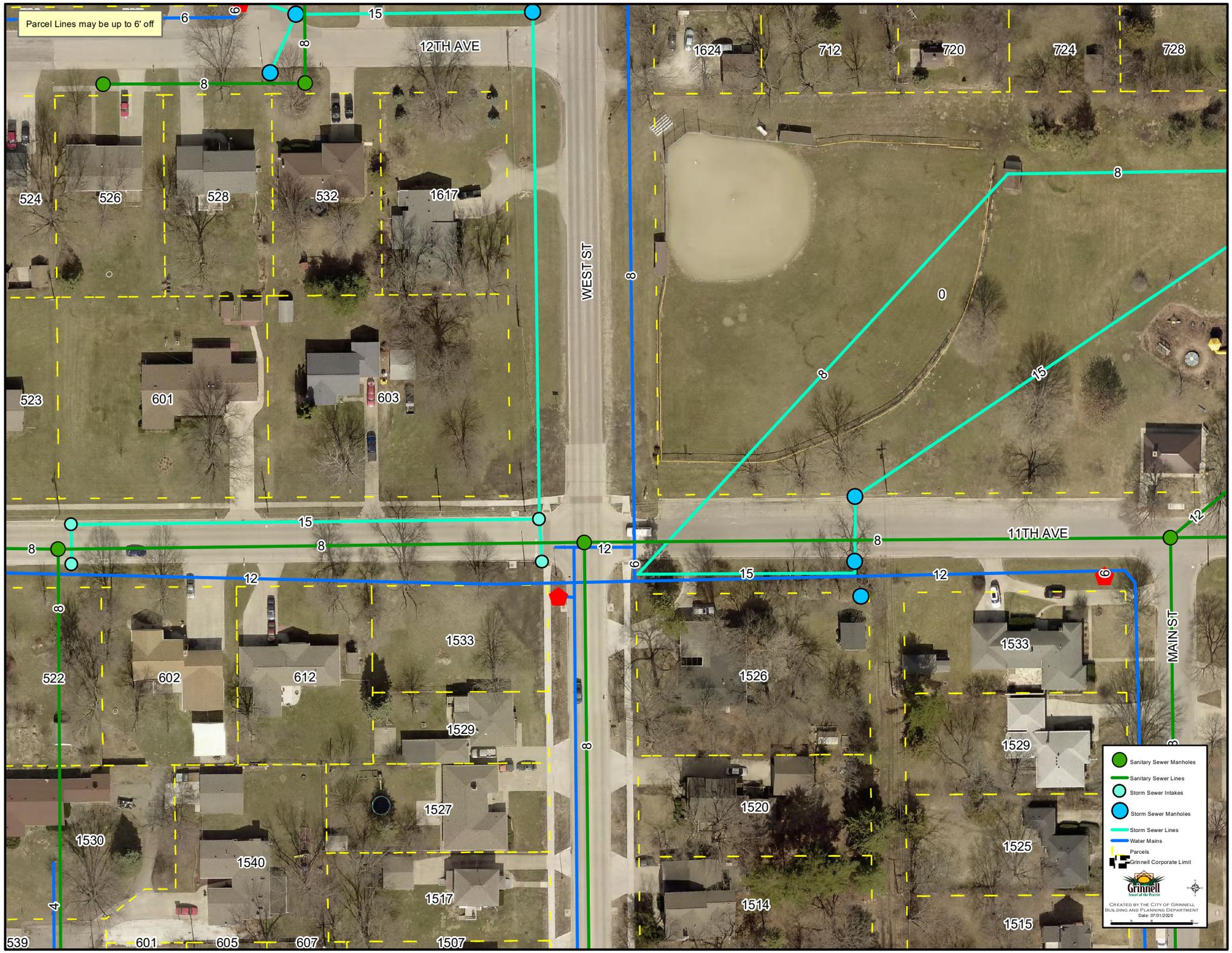
ENGINEER: WINDSTREAM  
BRIAN OTTO  
FIELD ENGINEER: PEARCE SERVICES  
DAVID HARRIS  
DRAWN BY: PEARCE SERVICES  
ANUBHAV KAUSHIK

PROJECT NUMBER : 713302109  
EXCHANGE: GRNLIXC  
PROJECT TITLE: PCAP0630 - EWR10369

SHEET: 04 OF 04 DATE: 07/01/2020



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

CREATED BY THE CITY OF GRINNELL,  
BUILDING AND PLANNING DEPARTMENT  
DATE: 07/31/2020



NewCom Technologies, Inc.  
6000 Grand Avenue  
Des Moines, Iowa 50312  
800-626-6234 • 515 274-9611 (Local)  
515 274-9622 (FAX) • [newcom@newcomtech.com](mailto:newcom@newcomtech.com)

---

July 22<sup>nd</sup>, 2020

Tyler Avis  
Director of Building and Planning  
520 4<sup>th</sup> Avenue  
Grinnell, IA 50112

RE: City of Pella – Pella Fiber request for occupying City of Grinnell Right of Way for the “2020-PellaFTTH-TP-North-01” project. (PLF-3722)

Tyler Avis,

On behalf of City of Pella – Pella Fiber enclosed you will find the latest plans for the installation of a fiber optic cable system within proposed conduit within the City of Grinnell Right of Way. This project shall consist of the installation of two 1-¼" HDPE Conduits with a single fiber optic cable and supporting handholes. This project runs along 1<sup>st</sup> Street from the Grinnell City Limits, along Ferguson Road, along 4<sup>th</sup> Avenue along Prince Street and along 3<sup>rd</sup> Avenue to the Grinnell Unity Point Hospital. Please see enclosed plans for details.

Please forward to my attention upon approval of this application. If you have any questions or comments please contact me.

Respectfully Submitted,

A handwritten signature in blue ink, appearing to read "Sean Kelly", is written over a light blue circular stamp.

**Sean Kelly**

*Sr. OSP Design Specialist/GIS Analyst*  
(515)633-1510 (direct)  
(515)274-9611 (local)  
[skelly@newcomtech.com](mailto:skelly@newcomtech.com)  
newcomtech.com

Enclosure: Set of Plans for City Use  
City of Grinnell Public Right-of-Way Communication System License Application  
\$2940.50 Check for License Application Fee

*NewCom goes the extra mile!*

# City of Grinnell

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

1. Applicant: City of Pella - Pella Fiber 100 Truman Road  
Name Address  
Pella, IA 50219 641-628-1601  
City, State Zip Telephone
2. Contact Person: Doy Ousley 100 Truman Road  
Name Address  
Pella, IA 50219 641-628-1601  
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. 00409816
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**

<b>Fees:</b>	<b>Administrative Fee:</b>		<b><u>\$50.00</u></b>
	<b>Use Fee:</b>		
	<b>(No Additional Customers) Greater of \$100.00 or:</b>		
	<b>Linear Feet Within C-2:</b> _____	x \$1.00	_____
	<b>Linear Feet Outside C-2:</b> <u>5781</u>	x \$0.50	<u>\$ 2890.50</u>
		<b>Total:</b>	<b><u>\$ 2940.50</u></b>

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

Date of Acceptance 7/28/2020

Date of Approval \_\_\_\_\_

Staff TA

# 2020-PELLAFTTP-TP-NORTH-01

## PART 3 OF 3

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

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

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

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

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

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

  
**NewCom Technologies, Inc.**  
 6000 Grand Avenue  
 Des Moines, IA 50312  
 800-626-6234



City of Pella  
 825 Broadway St.  
 Pella, IA 50219  
 (641) 628-4173

PROJECT  
 CITY OF PELLA  
 FTTH

REVISIONS	DATE	BY
COVER	07-13-2020	DSH

PELLA TO GRINNELL TRANSPORT  
 COVER PAGE

SCALE:

COVER CP-1

Print Date: 07-13-2020

**ALL PROPOSED WORK UNDER THIS CONTRACT SHALL BE DONE IN ACCORDANCE WITH THE ENSUING NON-INCLUSIVE CONDITIONS:**

**SCOPE OF WORK:**

- CONSTRUCTION OF ALL ASSOCIATED ACCESSORIES FOR CONDUIT INSTALLATION BENEATH DOT ROADWAY. SEE PLAN SHEETS FOR SUMMARY OF PROPOSED IMPROVEMENTS.
- THE CONTRACTOR SHALL PROVIDE ALL COMPONENTS NECESSARY TO COMPLETE THE DESCRIBED WORK UNDER THIS CONTRACT INCLUDING MATERIAL, LABOR, EQUIPMENT, INSTALLATION, RESTORATION, JOB SITE DELIVERY COSTS, AND UTILITY RELOCATION CHARGES IF NECESSARY.  
ZAYO TO PROVIDE FIBER OPTIC CABLE.
- CHANGE-ORDER REQUESTS MUST BE PRESENTED IN WRITING TO THE OWNER'S REPRESENTATIVE AND APPROVED PRIOR TO PROCEEDING WITH THE REQUESTED CHANGE. DOCUMENTATION CONCERNING ANY AND ALL CHANGE ORDERS WILL BE TREATED AS LEGAL DOCUMENTS AND ARE TO BE FILED WITH THE OWNER'S REPRESENTATIVE FOR FUTURE REFERENCE.
- THE ENGINEER WILL NOT BE RESPONSIBLE OR LIABLE FOR ERRORS OR NEGLIGENT ACTS OF OMISSIONS OF ANY CONTRACTOR, SUBCONTRACTOR, OR ANY OF THE CONTRACTORS' OR SUBCONTRACTORS' EMPLOYEES OR AGENTS OR ANY OTHER PERSONS (EXCLUDING ENGINEER'S OWN EMPLOYEES) AT THE CONSTRUCTION SITE OR OTHERWISE PERFORMING ANY OF THE PROJECT WORK. CONTRACTORS, SUBCONTRACTORS, AND ENGINEERS WILL BE RESPONSIBLE FOR THEIR OWN SAFETY PROGRAM. NEITHER THE PROFESSIONAL ACTION OF THE ENGINEER, NOR THE PRESENCE OF THE ENGINEER OR HIS OR HER EMPLOYEES AND SUBCONSULTANTS AT THE CONSTRUCTION SITE SHALL RELIEVE ANY CONTRACTOR OF HIS OR HER OBLIGATIONS, DUTIES, AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES, OR PROCEDURES NECESSARY FOR PERFORMING, SUPERINTENDING, OR COORDINATING ALL PORTIONS OF THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES. THE ENGINEER AND HIS OR HER PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR OTHER ENTITY OR THEIR EMPLOYEES IN CONNECTION WITH ANY HEALTH OR SAFETY PRECAUTIONS.

**GENERAL NOTES:**

- WORK WILL NOT BE STARTED PRIOR TO PERMIT ACQUISITION. ANY INFORMATION REQUIRED BY STATE, DOT, AND/OR LOCAL MUNICIPALITY SHALL BE PROVIDED BY THE CONTRACTOR TO SECURE ALL PERMITS.
- COPIES OF THE PLANS WILL BE SENT TO STATE, DOT, AND/OR LOCAL MUNICIPALITY FOR COMMENTS AND EVALUATION. ANY UTILITY CONFLICTS SHALL BE RESOLVED PRIOR TO OBTAINING PERMITS.
- EXISTING RIGHT-OF-WAY SHALL BE VERIFIED TO ENSURE THAT NO WORK WILL TAKE PLACE WITHIN PRIVATE PROPERTY. ALL WORK WITHIN PRIVATE PROPERTY MUST BE FORMALLY APPROVED BY THE LAND OWNER.
- THESE DRAWINGS SHALL NOT BE SCALED AND SHALL BE TAKEN FOR GENERAL INFORMATION ONLY. THE SCALE SHOWN ON THE SHEETS IS FOR THE ORIGINAL DOCUMENT SIZE ONLY.
- AGENCIES HAVING JURISDICTION OVER PROPOSED WORK SHALL GOVERN THE REQUIREMENTS OF THE CONTRACTOR AND ALL WORK SHALL BE COORDINATED WITH OTHER PROJECTS IN THE AREA PRIOR TO AND DURING THE PROPOSED INSTALLATION.
- CONTRACTOR SHALL COORDINATE PROPOSED WORK WITH ALL PRIVATE AND PUBLIC UTILITIES AS WELL AS STATE AND CITY AGENCIES.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY EXCAVATION PERMITS.

**SAFETY:**

- ALL NECESSARY SAFETY PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT UTILITIES, WORKERS, PEDESTRIANS, AND VEHICULAR TRAFFIC. PROTECTION SUCH AS TEMPORARY FENCES AND BARRICADES SHALL BE PROVIDED BY THE CONTRACTOR TO PROTECT THE PUBLIC AND PROPERTY DURING ALL PHASES OF CONSTRUCTION.
- UNFINISHED SURFACE AND OPEN TRENCH LOCATIONS SHALL BE PROTECTED BY DEVICES SUCH AS SIGNAGE, WARNING LIGHTS, TEMPORARY BARRICADES, STEEL PLATES, AND OTHER PROTECTIVE EQUIPMENT 24 HOURS A DAY UNTIL SURFACE IS RESTORED.
- ENTRANCES TO BUILDINGS, CROSSWALKS, AND GARAGES ARE TO BE MAINTAINED BY THE CONTRACTOR WITH THE USE OF ADA APPROVED RAMPS WHERE NECESSARY. THE GENERAL PUBLIC SHALL BE DIVERTED AWAY FROM THE CONSTRUCTION WORK AREA USING PASSAGEWAYS WHERE NECESSARY, INSTALLED AND DESIGNED BY THE CONTRACTOR.

**MATERIALS:**

- ALL INSTALLED MATERIALS WITHIN THE PROJECT AREA SHALL BE IN CONFORMANCE WITH STANDARD RECOMMENDATIONS OF THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) AND THE NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION. IF INSTALLATION TERMINATES INSIDE OF A BUILDING THEN BUILDING OWNER SPECIFICATIONS NEED TO BE CONSIDERED.
- CONSTRUCTION MATERIALS ARE TO BE STORED IN AN ORGANIZED MANNER AS TO NOT DISRUPT PEDESTRIANS, OTHER WORKERS, OR CONTRACTORS WORKING UNDER DIFFERENT PERMITS.

**EXISTING UTILITIES:**

- THE CONTRACTOR SHALL CONTACT THE LOCAL MUNICIPALITY AT LEAST 2 WORKING DAYS PRIOR TO CONSTRUCTION TO PROVIDE THE NAME AND NUMBER OF THE PROJECT SUPERINTENDENT IN CASE OF A SEWER EMERGENCY.
- EXISTING CONDITIONS, UTILITIES, AND STRUCTURES SHOWN IN THE PLAN SET ARE BASED ON UTILITY ATLASES AND DRAWINGS BY THE UTILITY COMPANIES AND ARE ASSUMED TO BE CORRECT AND ACCURATE. A SURVEY SHALL BE PERFORMED BY THE CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND STRUCTURES IN THE WORK AREA PRIOR TO THE START OF ANY WORK.
- TEST HOLES SHALL BE PERFORMED BY THE CONTRACTOR TO VERIFY THE EXACT LOCATION AND DEPTH OF EXISTING UTILITIES WHERE NECESSARY. ALL TEST HOLES SHALL BE CLEARLY MARKED AND PROPERLY GUARDED FOR THE PROTECTION OF BOTH CONTRACTOR AND PUBLIC. TEST HOLES ARE NOT TO BE LEFT UNATTENDED UNLESS COVERED BY STEEL PLATE APPROVED BY LOCAL GOVERNING BODY OR TEMPORARILY FILLED PRIOR TO FINAL RESTORATION METHOD. NOTE THAT FINAL RESTORATION METHOD OF TEST HOLES IN EXISTING CONCRETE MUST CONFORM TO LOCAL STANDARDS.
- OVERHEAD OBSTRUCTION LOCATIONS SHALL ALSO BE VERIFIED PRIOR TO WORK COMMENCING.
- 811 (OR LOCAL LOCATE EQUIVALENT) SHALL BE CONTACTED BY THE CONTRACTOR 72 BUSINESS HOURS IN ADVANCE OF CONSTRUCTION TO MARK OUT EXISTING UTILITIES NEAR THE PROPOSED EXCAVATION. LOCATIONS OF EXISTING UTILITIES SHOWN IN THE DRAWINGS ARE APPROXIMATE AND MAY NOT ACCURATELY REPRESENT THE EXISTING FIELD CONDITIONS.
- ALL EXISTING UTILITIES SHALL BE LOCATED AND MARKED PRIOR TO ANY CONSTRUCTION TAKING PLACE.
- EXCAVATION WORK NEAR EXISTING UTILITIES AND STRUCTURES SHALL BE DONE BY HAND.
- ALL MAJOR DISCREPANCIES BETWEEN THE ACTUAL FIELD CONDITIONS AND THE PLAN SET SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEERING CONTRACTOR BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- AS INSTALLATION PROGRESSES, THE CONTRACTOR SHALL PREPARE RED-LINE DRAWINGS THAT SHOW THE LOCATION AND ELEVATION OF THE PROPOSED INSTALLATION AND ALL EXISTING UTILITIES ENCOUNTERED. UPON COMPLETING THE WORK, THESE RED-LINES SHALL BE SENT TO THE ENGINEERING CONTRACTOR.

**WORK:**

- EQUIPMENT AND MATERIALS CANNOT BE STORED IN THE PUBLIC ROADWAY UNLESS WRITTEN PERMISSION IS OBTAINED FROM THE CITY, STATE, OR GOVERNING BODY WHERE WORK IS TO BE PERFORMED.
- ALL EXCAVATIONS SHALL BE THOROUGHLY INSPECTED BY THE CONTRACTOR PRIOR TO PLACING PROPOSED UTILITIES. ALL EXISTING AND NEWLY INSTALLED UTILITIES SHALL BE INSPECTED PRIOR TO SHORING OR BACKFILLING THE EXCAVATED AREA.
- THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING AND REVIEWING ANY SHORING SYSTEMS BEFORE CONSTRUCTION.
- THE CONTRACTOR IS TO ASSUME THAT ALL EXISTING CABLES ARE ENERGIZED AND SHALL BE SUPPORTED IN A WAY THAT NO PART OF THE CABLE IS STRESSED.
- THE ENGINEERING CONTRACTOR SHALL BE NOTIFIED WHEN NEWLY INSTALLED DUCT PACKAGE DEPTH BELOW THE SURFACE IS GREATER THAN THAT SHOWN IN THE PROFILE DRAWING AND CONSTRUCTION CONTRACTOR SHALL RECORD SUCH ON RED LINE DRAWINGS.
- THE ENGINEERING CONTRACTOR SHALL BE NOTIFIED WHEN THE CONTRACTOR IS UNABLE TO OBTAIN THE NECESSARY VERTICAL OR HORIZONTAL CLEARANCE FROM EXISTING UTILITIES, SO THAT THE APPROPRIATE OWNER'S REPRESENTATIVE CAN BE NOTIFIED AND A VARIANCE CAN BE REQUESTED.

**RESTORATION:**

- CONTRACTOR TO OBTAIN ALL PERMITS AND PAY ALL FEES FOR RESTORATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMING TO ANY AND ALL RESTORATION AND CONSTRUCTION STANDARDS SET FOR BY LOCAL GOVERNING BODIES.
- CONTRACTOR SHALL BREAK OUT PAVEMENT, SIDEWALK, DRIVEWAY, PARKWAY, CURB AND GUTTER, AND RESTORE TO LASTING CONDITION. CONTRACTOR TO MATCH EXISTING PAVEMENT JOINTS AND COLOR, TEXTURE, AND FINISH OF SIDEWALKS, CURB, AND GUTTER.
- ROADWAYS AFFECTED BY THE EXCAVATION SHALL BE RESTORED BASED ON LOCAL GOVERNING AGENCY'S SPECIFICATIONS FOR "REGULATIONS FOR OPENINGS, CONSTRUCTION AND REPAIR IN THE ROADWAY." REPLACEMENT OF EXCAVATED SURFACE AND SURROUNDING AREA SHALL BE DETERMINED BY THE CONTRACTOR, LOCAL GOVERNING AGENCY, OR PRIVATE PROPERTY OWNER.
- RESTORATION OF THE AREA AROUND THE PROPOSED INSTALLATION INCLUDES BUT IS NOT LIMITED TO: CONCRETE, BLACK DIRT, SOD, SHRUBS, TREES, BACKFILL, ASPHALT PRIMER, STREET CONCRETE BASE, HOT ROLLED ASPHALT, DRIVEWAY, SIDEWALK, CURB AND GUTTER, ADA RAMPS, AND REINSTALLATION OF SIGNS, TRAFFIC SIGNALS, MAILBOXES, METERS, CITY LIGHTS, TRAFFIC SIGNAL BOXES, BENCHES, CANOPIES, AND PLANTERS.
- A PERMIT SHALL BE OBTAINED BY THE CONTRACTOR TO PAVE THE STREET AND/OR SIDEWALK IN THE CONTRACTOR'S NAME. PAVING SHALL BE COMPLETED BY THE CONTRACTOR WITHIN 15 WORKING DAYS OF THE EXCAVATION BACKFILL UNLESS OTHERWISE ARRANGED WITH THE GOVERNING AGENCY IN ADVANCE.
- ALL DAMAGED UTILITIES AND STRUCTURES ARE TO BE RESTORED BY THE CONTRACTOR TO THE SATISFACTION OF THE CORRESPONDING OWNER'S REPRESENTATIVE.

**PROJECT INFORMATION**

SITE NAME: PELLA TO GRINNELL TRANSPORT ROUTE  
 SITE ADDRESS: VARIES  
 COUNTY: VARIES  
 LATITUDE: VARIES  
 LONGITUDE: VARIES

**PROJECT DESCRIPTION:**

- INSTALLATION OF ONE 1 1/4" SDR 13.5 HDPE CONDUIT
- INSTALLATION OF SINGLE 96 COUNT FIBER OPTIC CABLE

**CONTACTS**

CITY OF GRINNELL: 520 4TH AVENUE  
 GRINNELL, IOWA 50112  
 CONTACT: TYLER AVIS  
 OFFICE: (641) 536-2600  
 EMAIL: tavis@grinnelliowa.gov

CITY OF LYNNVILLE: 308 EAST STREET  
 LYNNVILLE, IOWA 50153  
 CONTACT: BEV ARTHUR  
 OFFICE: (641) 527-2790  
 EMAIL: citylynnville@netins.net

JASPER COUNTY: 910 N 11TH AVENUE E  
 NEWTON, IOWA 50208  
 CONTACT: RUSSELL STUTT  
 OFFICE: (641) 792-5862  
 EMAIL: rstutt@jasperia.org

POWESHIEK COUNTY: 102 SOUTH 3RD STREET  
 P.O. BOX 306  
 MONTEZUMA, IOWA 50171  
 CONTACT: LYLE BREHM  
 OFFICE: (641) 623-5435  
 CELL: (641) 623-3446  
 EMAIL: lbrehm@tamacounty.org

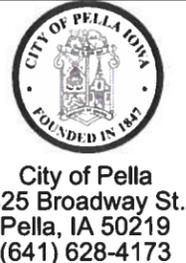
IOWA INTERSTATE RAILROAD: 5900 6TH STREET SW  
 CEDAR RAPIDS, IA 524044804  
 CONTACT: GREG MITCHELL  
 OFFICE: (319) 298-5424  
 EMAIL: gdmitchell@iaisr.com

IOWA DOT DISTRICT 1: 2300 SE 17TH STREET  
 GRIMES, IOWA 50111  
 CONTACT: JEFF CUNNINGHAM  
 OFFICE: (515) 9865461  
 CELL: (800) 251-2702  
 EMAIL: jeffrey.cunningham@iowadot.us

MARION COUNTY: 402 WILLETTTS DRIVE  
 KNOXVILLE, IOWA  
 CONTACT: N/A  
 OFFICE: N/A  
 EMAIL: N/A

CITY OF PELLA FTTH: 100 TRUMAN ROAD  
 PELLA, IOWA 50219  
 CONTACT: DOY OUSLEY  
 OFFICE: (641) 628-1601  
 EMAIL: dousley@cityofpella.com

NEWCOM TECHNOLOGIES: 6000 GRAND AVENUE  
 DES MOINES, IOWA 50312  
 CONTACT: JIM PETRO  
 OFFICE: (515) 988-2005  
 EMAIL: jperto@newcomtech.com



**PROJECT CITY OF PELLA FTTH**

REVISIONS	DATE	BY	PELLA TO GRINNELL TRANSPORT GENERAL NOTES
NOTES	07-17-2020	VUM	
			SCALE:

**GENERAL NOTES**

Print Date: 07-17-2020

## PERMIT TRACKING

TRACKING #	ENTITY	TYPE	PERMIT #	STATUS
PLF-3601	JASPER COUNTY	RIGHT OF WAY PERMIT		
PLF-3602	POWESHIEK COUNTY	RIGHT OF WAY PERMIT		
PLF-3603	IOWA INTERSTATE RAILROAD	RIGHT OF WAY PERMIT		
PLF-3604	IOWA DOT-DISTRICT 1	RIGHT OF WAY PERMIT		
PLF-3606	MARION COUNTY	RIGHT OF WAY PERMIT		
PLF-3722	CITY OF GRINNELL	RIGHT OF WAY PERMIT		
PLF-3723	CITY OF LYNNVILLE	RIGHT OF WAY PERMIT		



CALL BEFORE YOU DIG  
(811)  
72 HOURS NOTICE REQUIRED

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

## MATERIAL TAKE OFF

ITEM	AMOUNT
96 COUNT FIBER OPTIC CABLE	193935 L.F.
IN EXISTING CONDUIT - OTHER	0 L.F.
IN EXISTING CONDUIT - UPN	0 L.F.
IN NEW CONDUIT	193935 L.F.
ON AERIAL POLES	0 L.F.
24 COUNT FIBER OPTIC CABLE	0 L.F.
IN EXISTING CONDUIT - OTHER	0 L.F.
IN EXISTING CONDUIT - UPN	0 L.F.
IN NEW CONDUIT	0 L.F.
ON AERIAL POLES	0 L.F.
1-1/4" SCH 13.5 HDPE CONDUIT	178635 L.F.
24" X 36" X 24" HANDHOLE	105
3' X 3' X 3' MANHOLE	0
TYCO 450B SPLICE CASE AND 8' GROUND ROD	12
PANEL	0
<b>SPLICING</b>	<b>AMOUNT</b>
LOCATIONS	xx
BURNS	xx
<b>ROAD/SIDE WALK REPAIR</b>	<b>AMOUNT</b>
SIDEWALK - CONCRETE	0 SQ. FT
STREET - CONCRETE	0 SQ. FT
STREET - ASPHALT	0 SQ. FT
OTHER	0 SQ. FT
<b>OTHER</b>	<b>AMOUNT</b>
CORE DRILL EXISTING UPN MANHOLE	0

### SURFACE QUALITY DATA (CL/ASCE 38-02)

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

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

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

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

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

### National Electrical Safety Code Recital

Rule 232 Minimum Clearance of Communication Conductors (Local rules may differ from NESC)		
Category	Description	Minimum
-1	Track rails of railroads, except overhead electrified	23.5
-2	Roads, streets, alleys, non-residential driveways, parking lots and other areas subject to truck traffic	15.5
-3	Residential driveways	15.5
-4	Other land traversed by vehicles	15.5
-5	Spaces or ways accessible to pedestrian or restricted 8' vehicle clearance	9.5
-6	Water areas not suitable for sail boating	14
-7	Water areas suitable for sail boating	
	- less than 20 acres	17.5
	- 20 to 200 acres	25.5
	- 200 to 2000 acres	31.5
	- Over 2000 acres	37.5

**Environmental conditions:**

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

### RUNNING LINE

SUPPORT STRUCTURE	AMOUNT
1-1/4" HDPE CONDUIT - BORE/OPEN CUT - 2 CONDUITS	0 L.F.
1-1/4" HDPE CONDUIT - BORE/OPEN CUT - 1 CONDUIT	178635 L.F.
EXISTING CONDUIT - UPN	0 L.F.
EXISTING CONDUIT - OTHER	0 L.F.
AERIAL PLANT	0 L.F.

### SHEET INDEX

SHEET	SHEET DESCRIPTION
OVERVIEW	PELL TO GRINNELL TRANSPORT - OVERVIEW - 5 PAGES
PGT 01-122	PELL TO GRINNELL TRANSPORT - FIBER ROUTE - 122 PAGES
XXX	XXX

EXISTING SUBSURFACE UTILITY DATA (CI/ASCE 38-02)					
UTILITY	UTILITY NAME	QUALITY LEVEL A	QUALITY LEVEL B	QUALITY LEVEL C	QUALITY LEVEL D
CABLE	Unknown			X	
ELECTRIC	Unknown			X	X
GAS	Unknown			X	X
SANITARY	City of Pella			X	X
STORM	City of Pella			X	X
WATER	Pella Water Works			X	X
COMMUNICATIONS	Unknown			X	
COMMUNICATIONS	Unknown			X	
COMMUNICATIONS	Unknown			X	
COMMUNICATIONS	Unknown			X	
COMMUNICATIONS	Unknown			X	

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Pella, IA 50219  
(641) 628-4173

**PROJECT  
CITY OF PELLA  
FTTH**

REVISIONS	DATE	BY	PELLA TO GRINNELL TRANSPORT
SURFACE/PERMITS	07-17-2020	VUM	SURFACE QUALITY AND PERMITS
			SCALE:

SURFACE/PERMITS

Print Date: 07-17-2020

# SYMBOLOLOGY

## Handholes

### Structure Type

-  Handhole
-  Manhole
-  Pedestal
-  Patch Panel

## Span

### Placement Method

-  Bore
-  Microtrench
-  Open Cut
-  Plow
-  Trench

## Fiber Marker

-  Marker Post
-  Test Station

## Fiber Optic

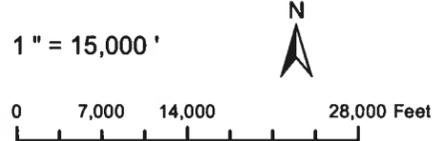
-  Slack Storage
-  Splice
-  Fiber Cable

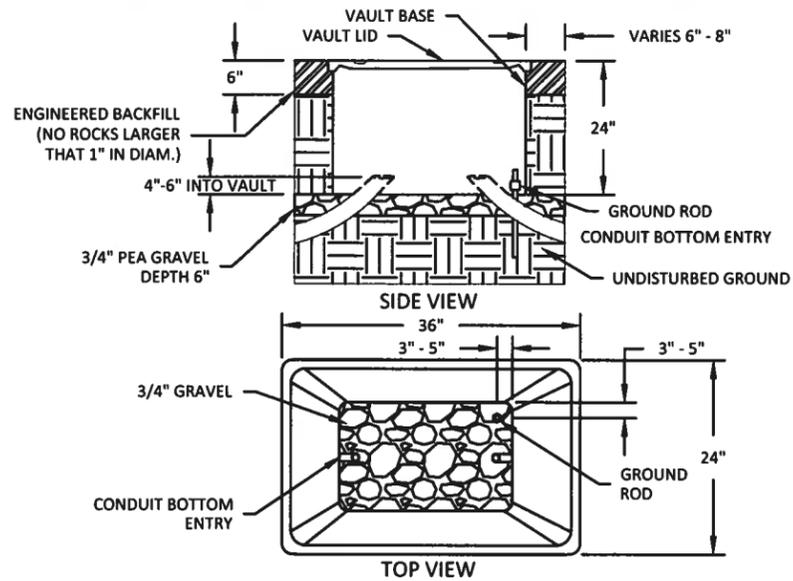
## Infrastructure Point

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

## Utility Lines

-  Sewer
-  Cable TV
-  Fiber
-  StormSewer
-  Water
-  Telecom
-  Gas
-  Electric
-  Municipal Boundary
-  County Borders
-  PLSS - Sections

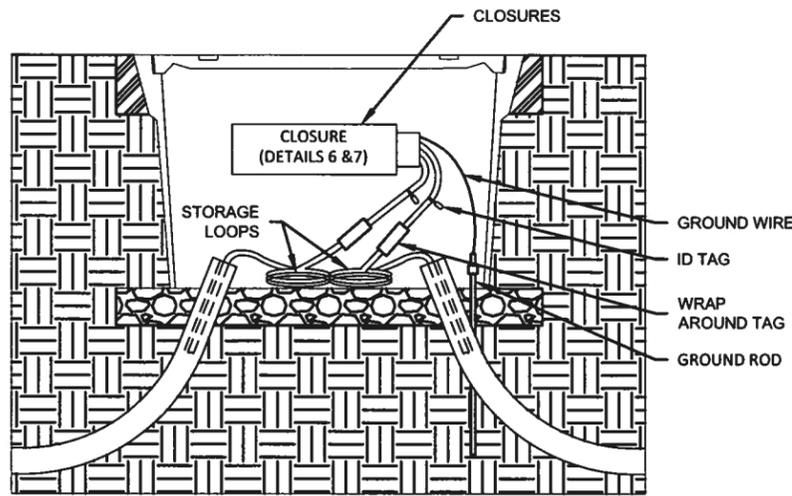
 NewCom Technologies, Inc. 6000 Grand Avenue Des Moines, IA 50312 800-626-6234	 City of Pella 825 Broadway St. Pella, IA 50219 (641) 628-4173	Project City of Pella FTTH	REVISIONS	DATE	BY	<b>TRANSPORT</b> Pella to Grinnell		<b>SYMBOLOLOGY</b>  Print Date: 7/22/2020
			REV A	6-2-2020	VUM			
			 1" = 15,000'					



**TYPICAL VAULT DETAIL**

DETAIL 1  
NTS

- NOTE:
1. VAULTS WILL CONFORM TO THE CURRENT REQUIREMENTS OF ANSI/SCTE 77 AND GR-902 SPECIFICATIONS. (TIER 22)
  2. COVER SHOULD HAVE A NON-SKID SURFACE WITH COEFFICIENT OF FRICTION GREATER THAN OR EQUAL TO 0.5 WHEN INSTALLED IN A DEDICATED PEDESTRIAN WALKWAY. COVER WILL HAVE LOCKING CAPABILITY AND BE METAL LOCATABLE.
  3. VAULTS TO BE INSTALLED TO LOCAL AND LOCAL DOT STANDARDS IF THEY DIFFER FROM TYPICAL.

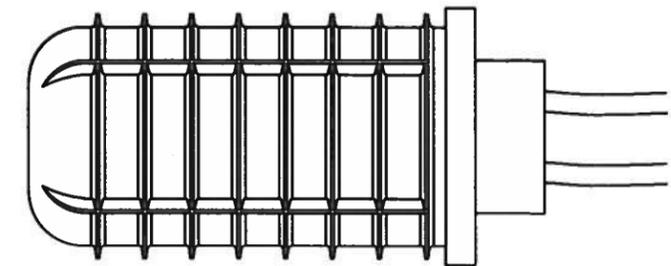


SEE DETAILS 1 FOR VAULT SPECIFICATIONS

**TYPICAL UNDERGROUND STORAGE DETAIL**

DETAIL 2  
NTS

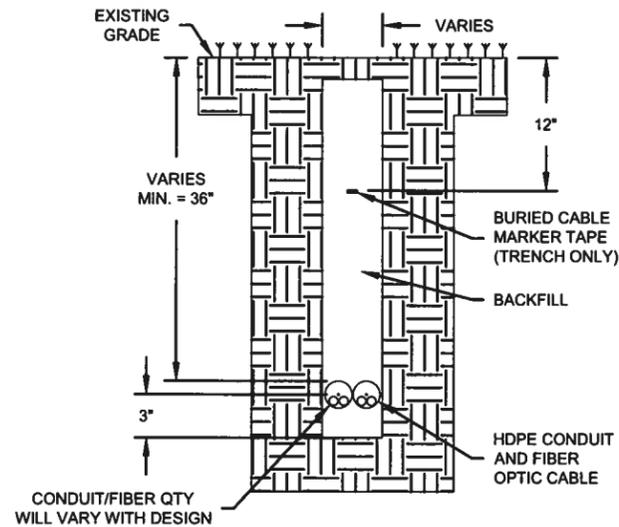
- NOTE:
1. ID TAG AND LAMINATED LABEL SHALL BE REQUIRED ON ALL CABLES.
  2. CLOSURE(S) (IF PRESENT) SIT ON TOP OF STORAGE LOOPS.
  3. WRAP AROUND TAG REQUIRED ON ALL FIBER CABLES.
  4. REFER TO TECHNICAL SPECIFICATIONS FOR FIBER STORAGE QUANTITY.



**TYPICAL SPLICE CASE DETAIL**

DETAIL 3  
NTS

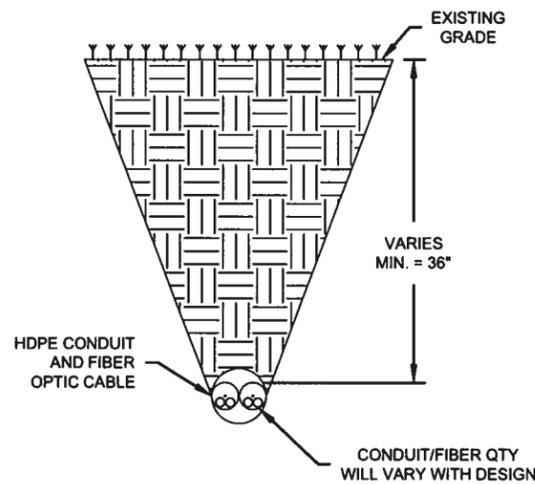
- NOTE:
1. THE PROPOSED SPLICE CASES ARE TO BE IN SIZE B.
  2. ALL SPLICE CASES ARE TO BE GROUNDED, SEALED, AND PRESSURE TESTED AS PER MANUFACTURER GUIDELINES.



**TYPICAL UNDERGROUND INSTALLATION DETAIL**

DETAIL 4  
NTS

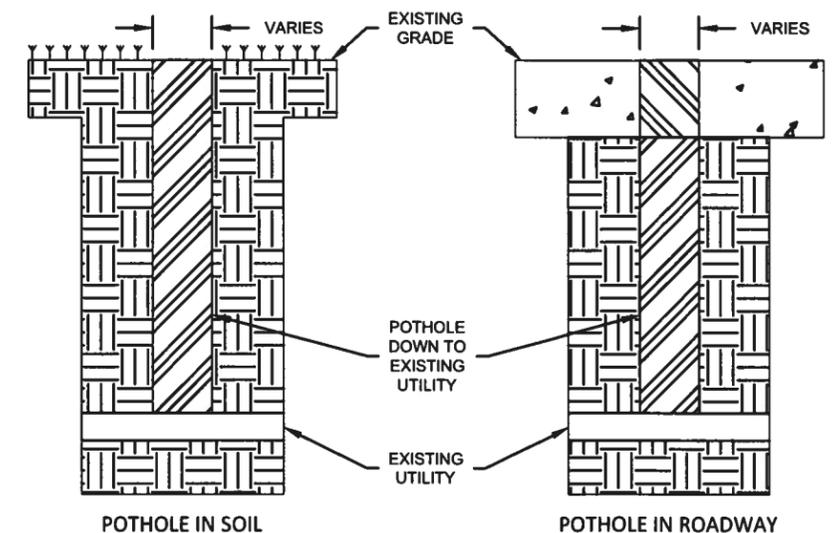
- NOTE:
1. RESTORE ALL DISTURBED AREAS TO THEIR ORIGINAL OR BETTER CONDITION.
  2. ALL DISTURBED EARTH SHALL BE SEEDED AND MULCHED IMMEDIATELY FOLLOWING INSTALLATION AND ANY SOIL STOCKPILES SHALL BE STABILIZED WITH TEMPORARY VEGETATION.
  3. USE CLEAN ENGINEERING APPROVED BACKFILL.



**TYPICAL UNDERGROUND INSTALLATION DETAIL**

DETAIL 5  
NTS

- NOTE:
1. RESTORE ALL DISTURBED AREAS TO THEIR ORIGINAL OR BETTER CONDITION.
  2. ALL DISTURBED EARTH SHALL BE SEEDED AND MULCHED IMMEDIATELY FOLLOWING INSTALLATION AND ANY SOIL STOCKPILES SHALL BE STABILIZED WITH TEMPORARY VEGETATION.
  3. USE CLEAN ENGINEERING APPROVED BACKFILL.



**TYPICAL POTHOLING DETAILS**

DETAIL 6  
NTS

- NOTE:
1. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF THE LOCATION AND DEPTH OF EXISTING UTILITIES. ADEQUATE SEPARATION MUST BE MAINTAINED LATERALLY AS WELL AS VERTICALLY FOR INSTALLATION OF CONDUIT.
  2. EXCAVATED SOILS TO BE COMPACTED TO A DENSITY OF 95% OF MAXIMUM AS A MOISTURE CONTENT +/- THE OPTIMUM USING THE "STANDARD PROCTOR" METHOD OF DETERMINATION.
  3. AFFECTED AREAS ARE TO BE RESTORED TO ORIGINAL OR BETTER CONDITION.

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Pella, IA 50219  
(641) 628-4173

**PROJECT**  
**CITY OF PELLA**  
**FIBER**

REVISIONS	DATE	BY
SURFACE/PERMITS	07-21-2020	DSH

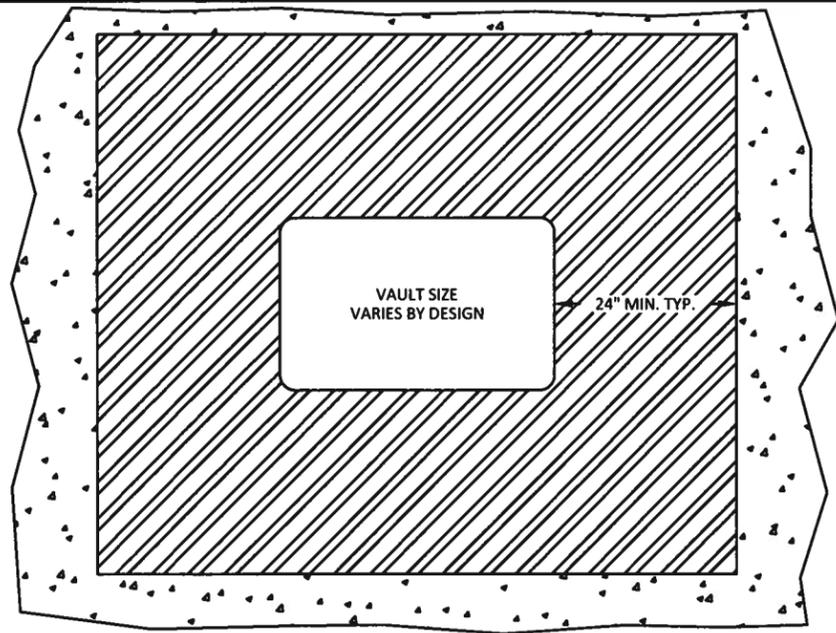
**PELLA FIBER**

SURFACE QUALITY AND PERMITS

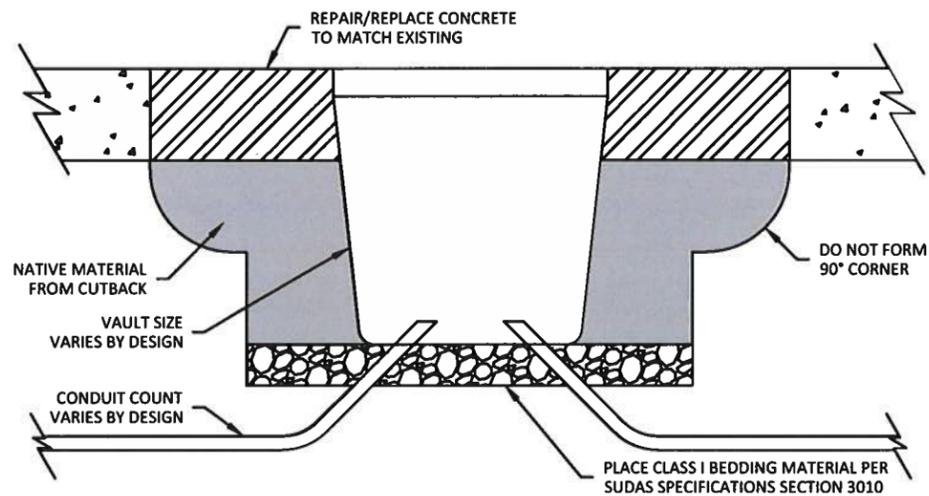
SCALE:

SURFACE/PERMITS

Print Date: 07-21-2020



PLAN VIEW

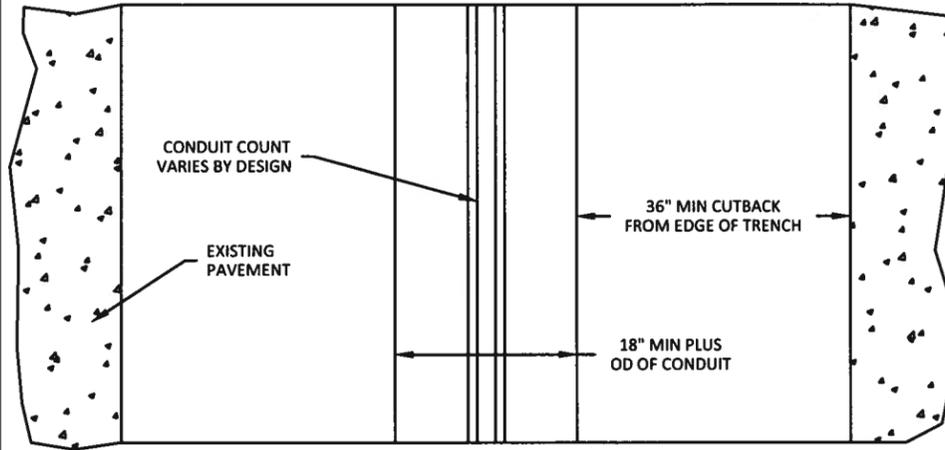


PROFILE VIEW

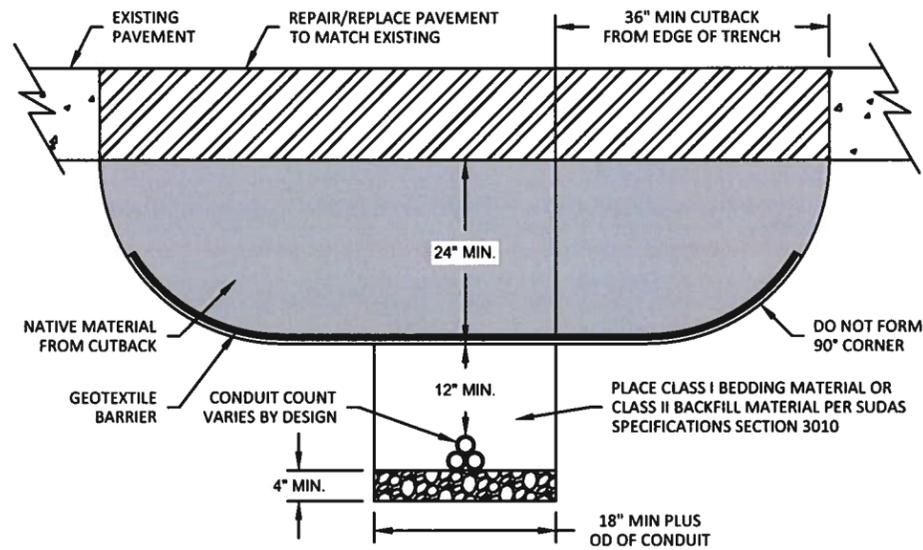
**TYPICAL CONCRETE CUT - VAULT INSTALLATION DETAIL**

DETAIL 14  
NTS

NOTE:  
1. VAULTS THAT ARE INSTALLED IN CONCRETE (ALLEYWAYS, PARKING LOTS, ETC) ARE TO HAVE AT MINIMUM 2 FOOT CUTBACK TO REDUCE UNDERCUTTING OF PAVEMENT.



PLAN VIEW



PROFILE VIEW

**TYPICAL PAVEMENT CUT - TRENCH INSTALLATION**

DETAIL 15  
NTS

NOTE:  
1. PAVEMENT CUTS AND RESTORATIONS ARE TO MAINTAIN IOWA STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS) STANDARDS.

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**PROJECT  
CITY OF PELLA  
FIBER**

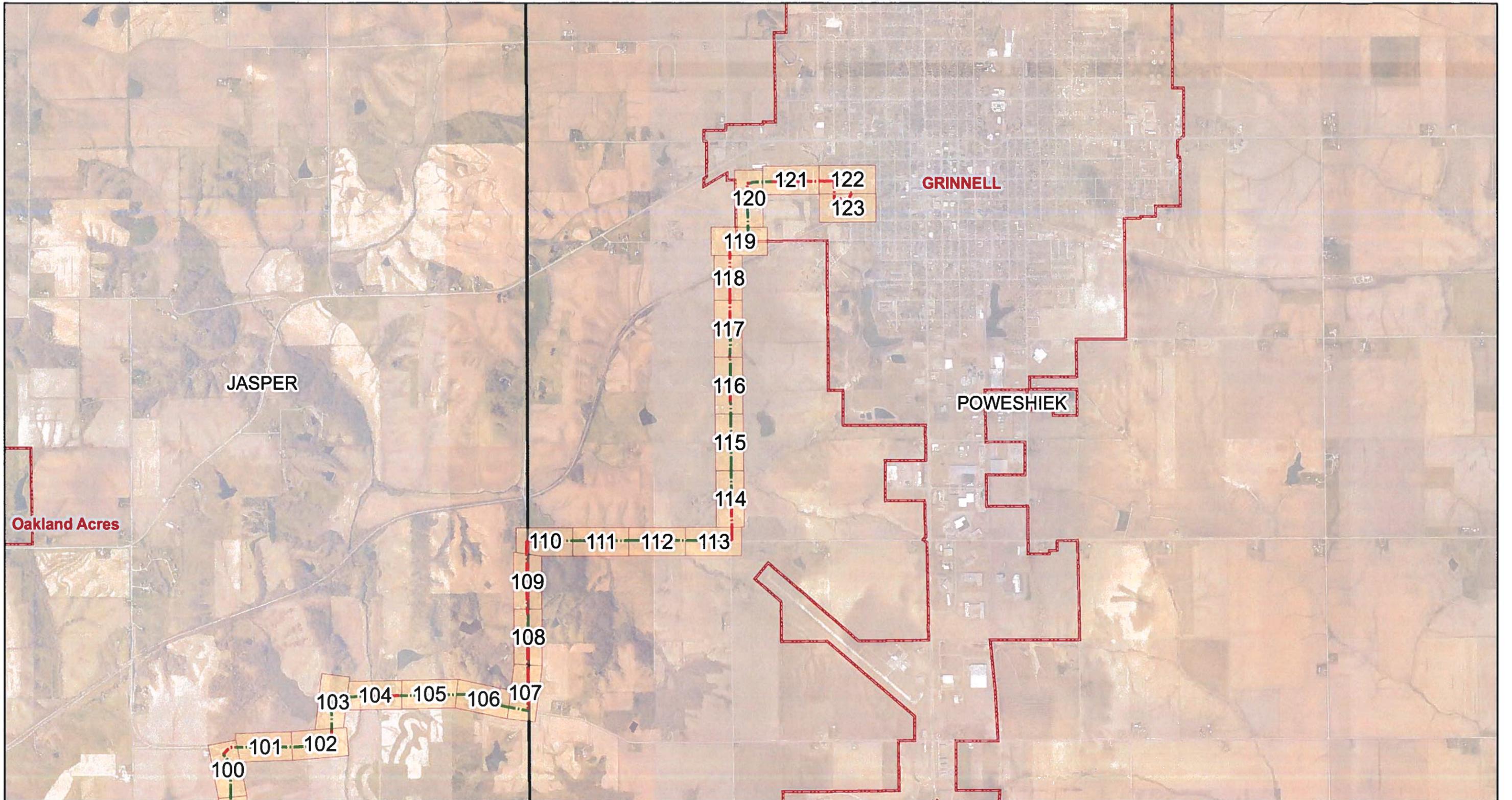
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SURFACE/PERMITS	07-21-2020	DSH

**PELLA FIBER**  
SURFACE QUALITY AND PERMITS

SCALE:

SURFACE/PERMITS

Print Date: 07-21-2020



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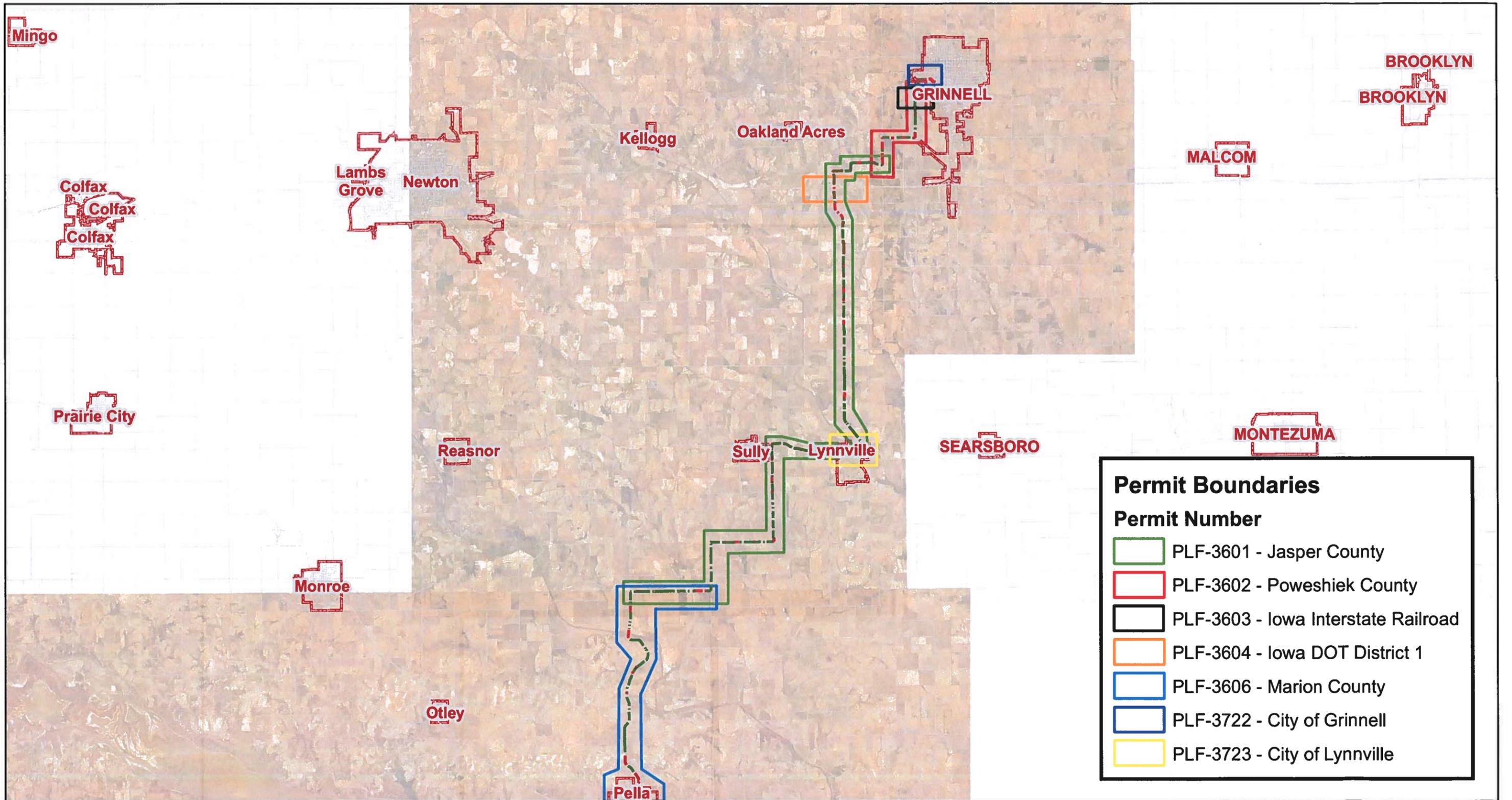
REVISIONS	DATE	BY
REV A	6-2-2020	VUM

**TRANSPORT  
 POWESHIEK COUNTY**

1" = 2,484'

0 1,200 2,400 4,800 Feet

**OVERVIEW**  
 Print Date: 7/21/2020



**Permit Boundaries**

**Permit Number**

- PLF-3601 - Jasper County
- PLF-3602 - Poweshiek County
- PLF-3603 - Iowa Interstate Railroad
- PLF-3604 - Iowa DOT District 1
- PLF-3606 - Marion County
- PLF-3722 - City of Grinnell
- PLF-3723 - City of Lynnville

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Project  
 City of Pella  
 FTTH

REVISIONS	DATE	BY
REV A	6-3-2020	VUM

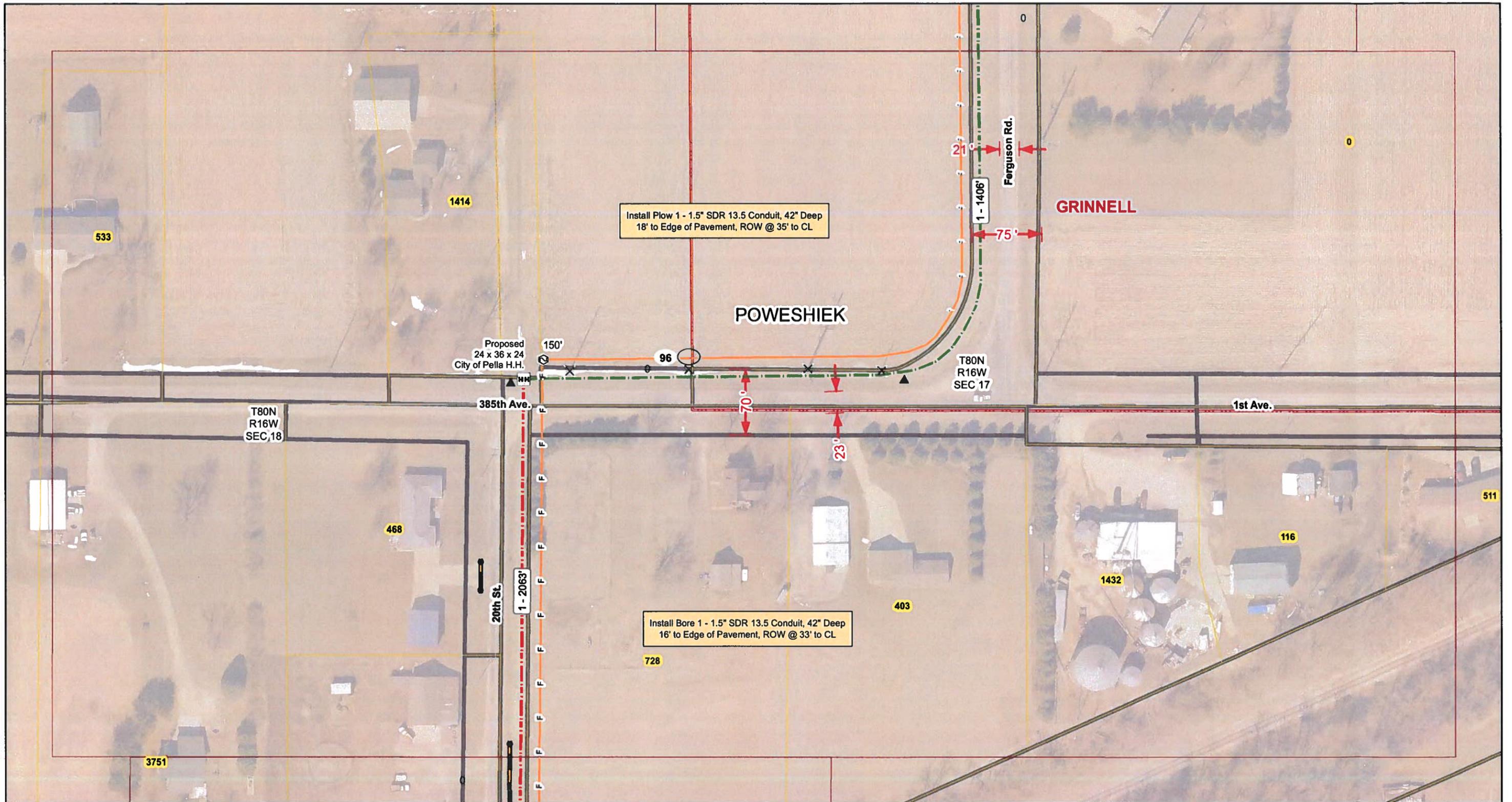
**TRANSPORT**  
 Pella to Grinnell

1" = 15,246'

0 7,500 15,000 30,000 Feet



**OVERVIEW**  
 Print Date: 7/21/2020



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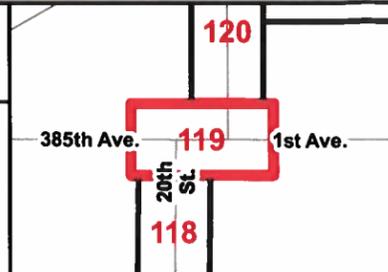
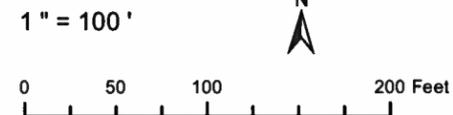


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Project  
 City of Pella  
 FTTH

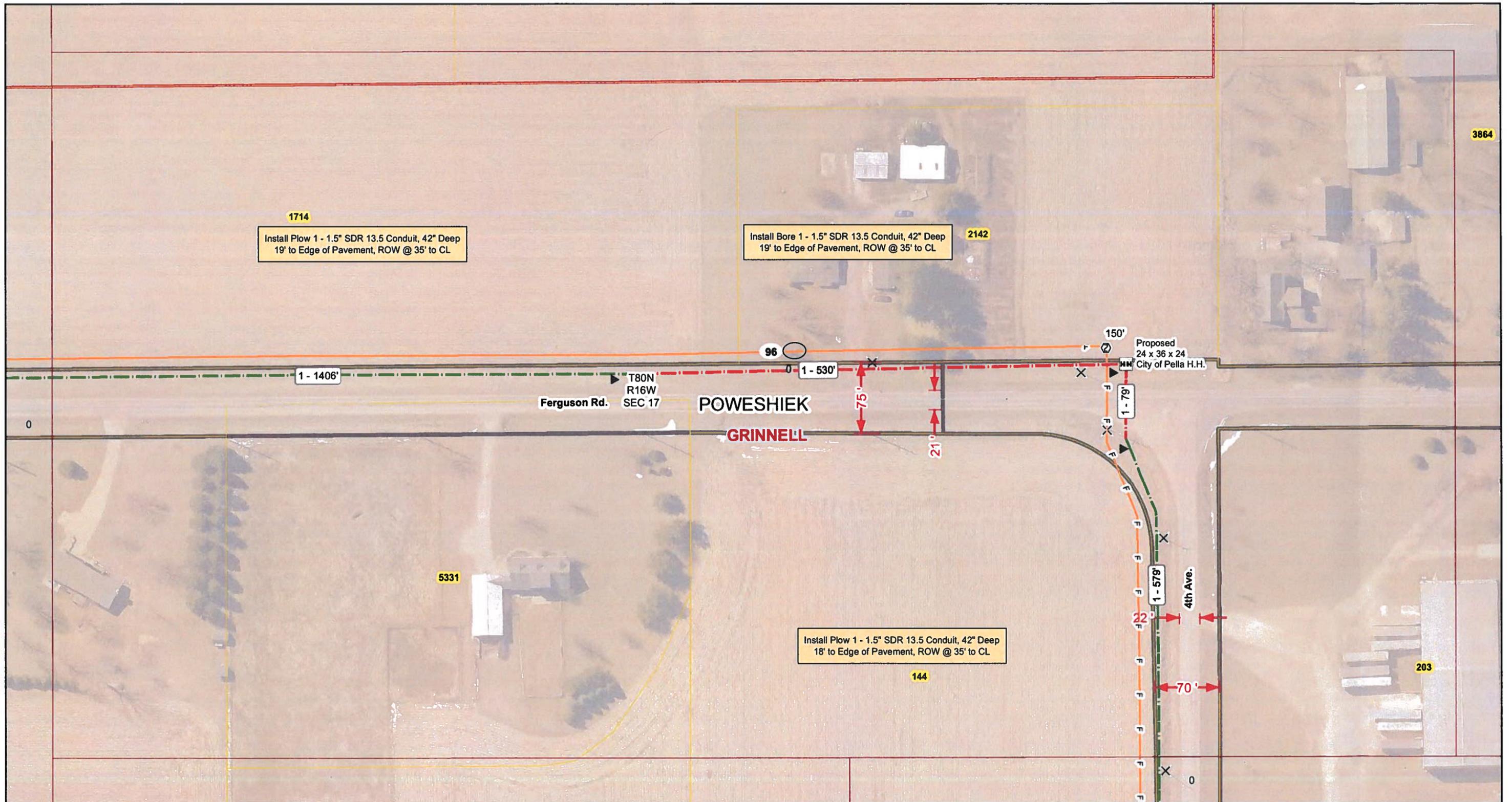
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**TRANSPORT**  
 Pella to Grinnell



Grid: 119

Print Date: 7/21/2020



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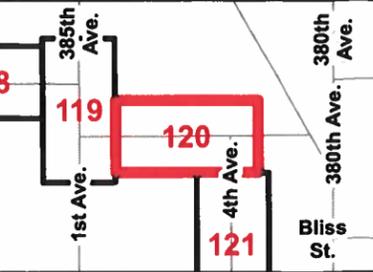


Project  
 City of Pella  
 FTTH

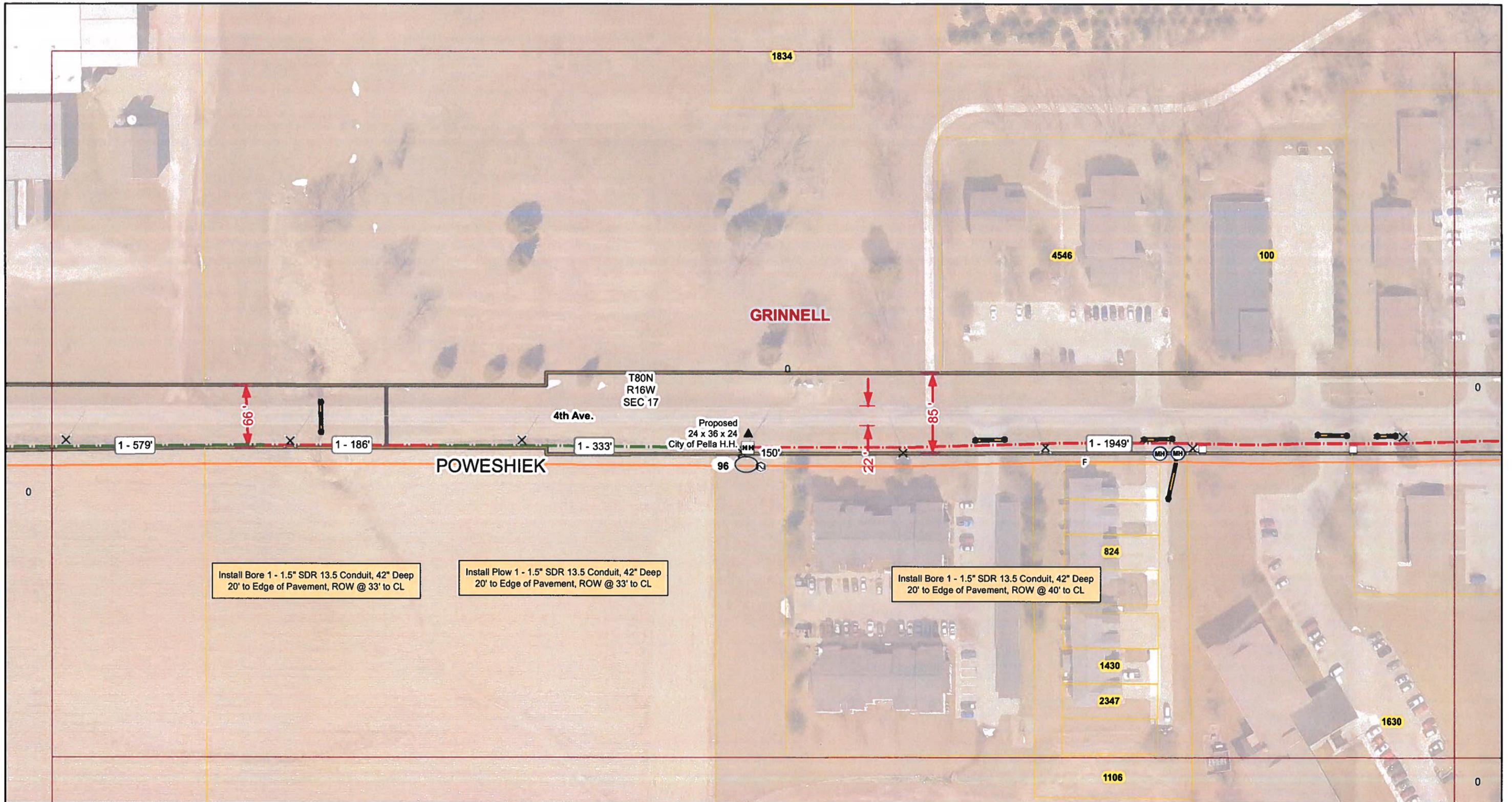
REVISIONS	DATE	BY
REV A	6-2-2020	VUM

**TRANSPORT**  
 Pella to Grinnell

1" = 100'



Grid: 120  
 Print Date: 7/21/2020



Install Bore 1 - 1.5" SDR 13.5 Conduit, 42" Deep  
20' to Edge of Pavement, ROW @ 33' to CL

Install Plow 1 - 1.5" SDR 13.5 Conduit, 42" Deep  
20' to Edge of Pavement, ROW @ 33' to CL

Install Bore 1 - 1.5" SDR 13.5 Conduit, 42" Deep  
20' to Edge of Pavement, ROW @ 40' to CL

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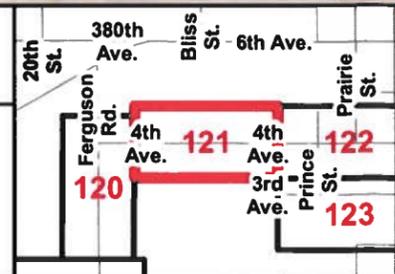
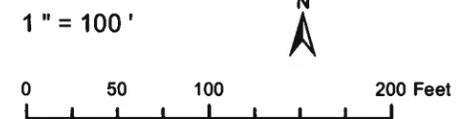


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Project  
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FTTH

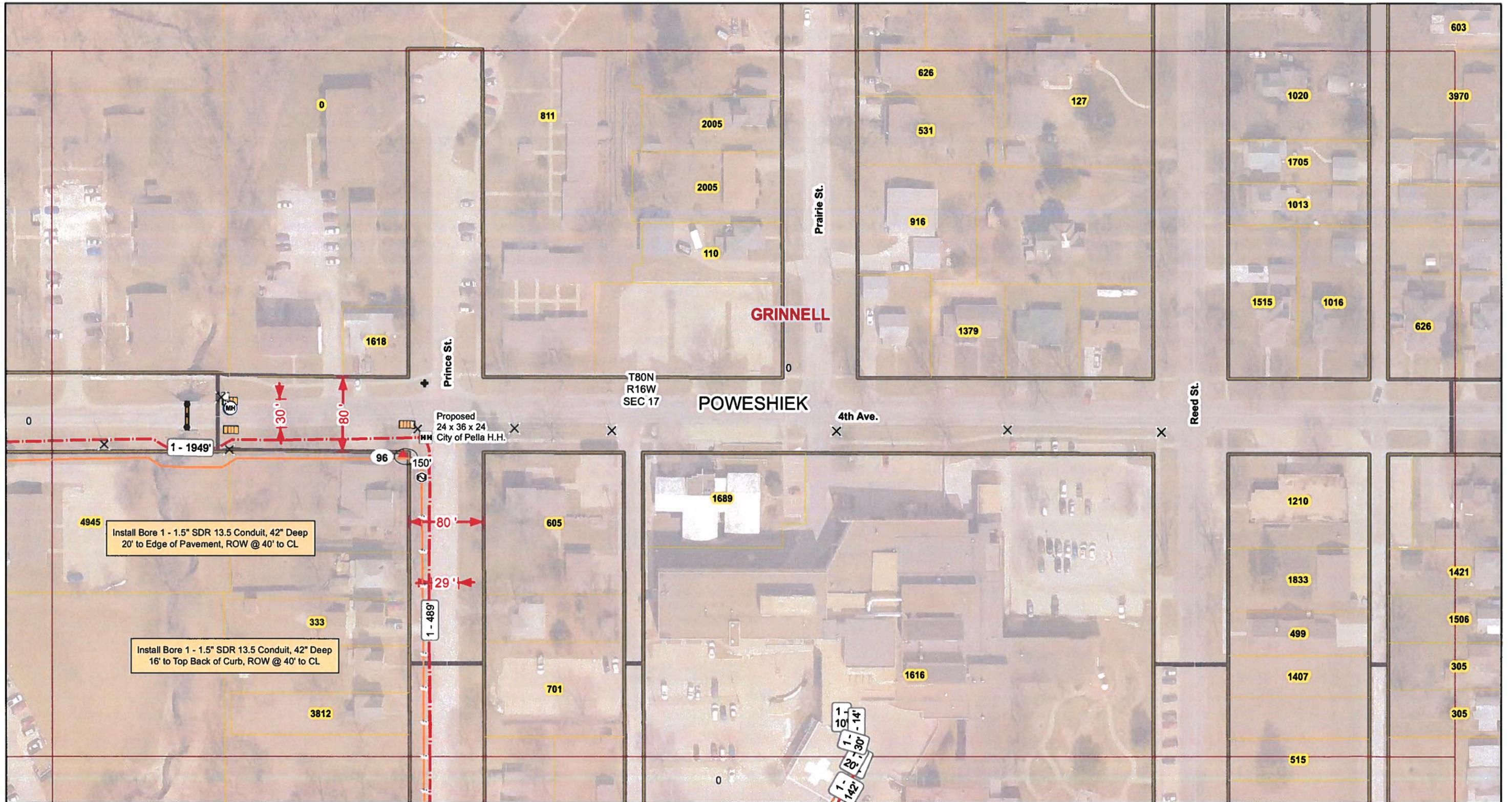
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**TRANSPORT**  
Pella to Grinnell



Grid: 121

Print Date: 7/21/2020



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**Project  
 City of Pella  
 FTTH**

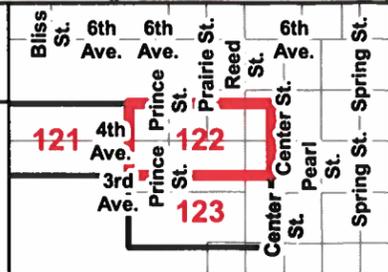
REVISIONS	DATE	BY
REV A	6-2-2020	VUM

**TRANSPORT  
 Pella to Grinnell**

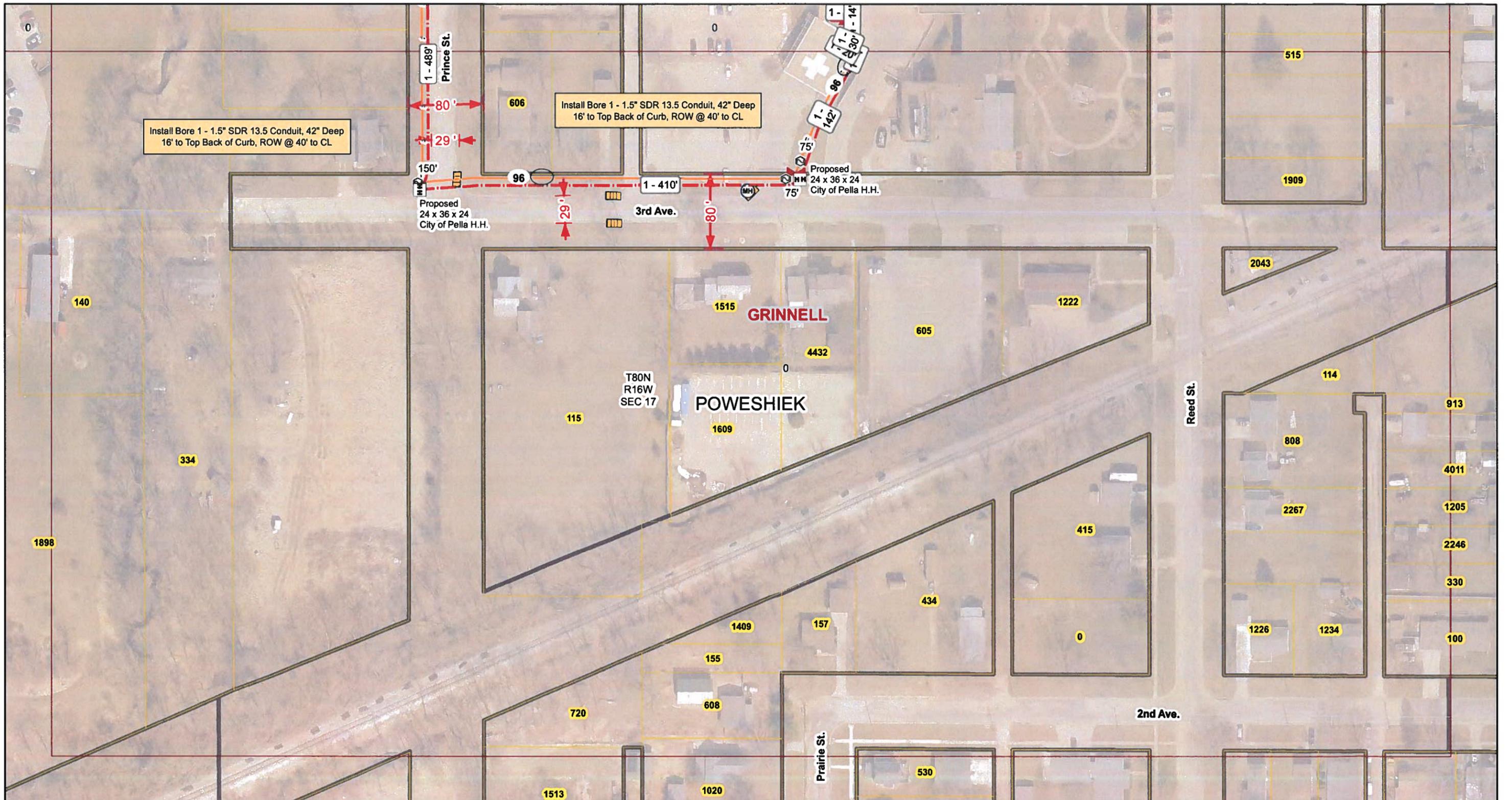
1" = 100'

0 50 100 200 Feet





**Grid: 122**  
 Print Date: 7/21/2020



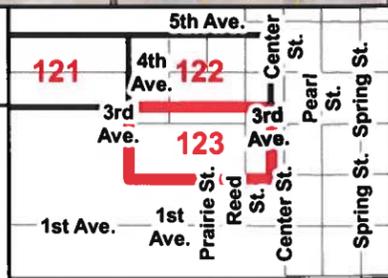
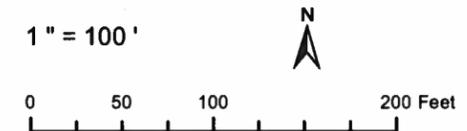
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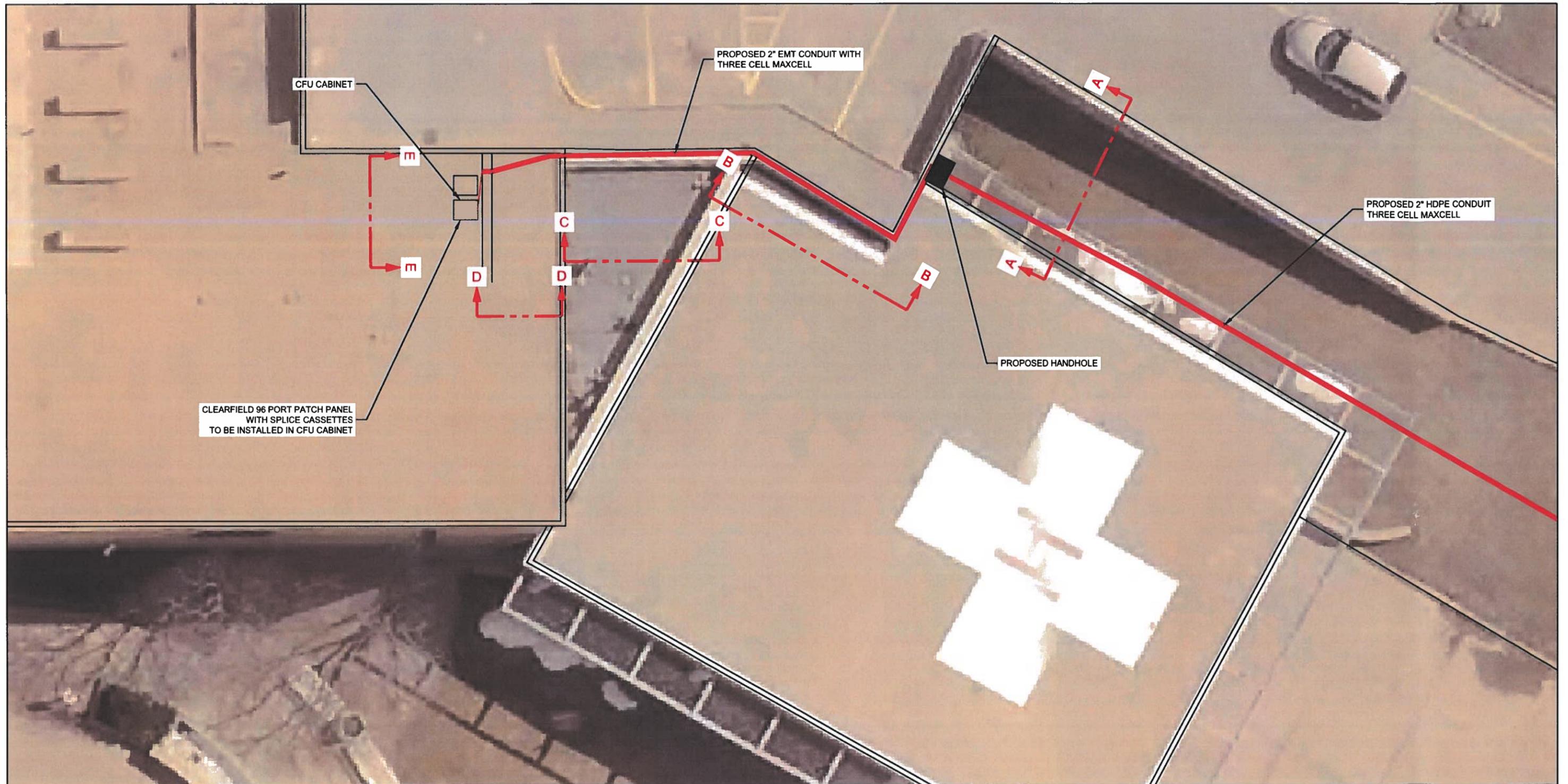
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**TRANSPORT**  
 Pella to Grinnell



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SECTIONS  
SCALE: 1" = 10'

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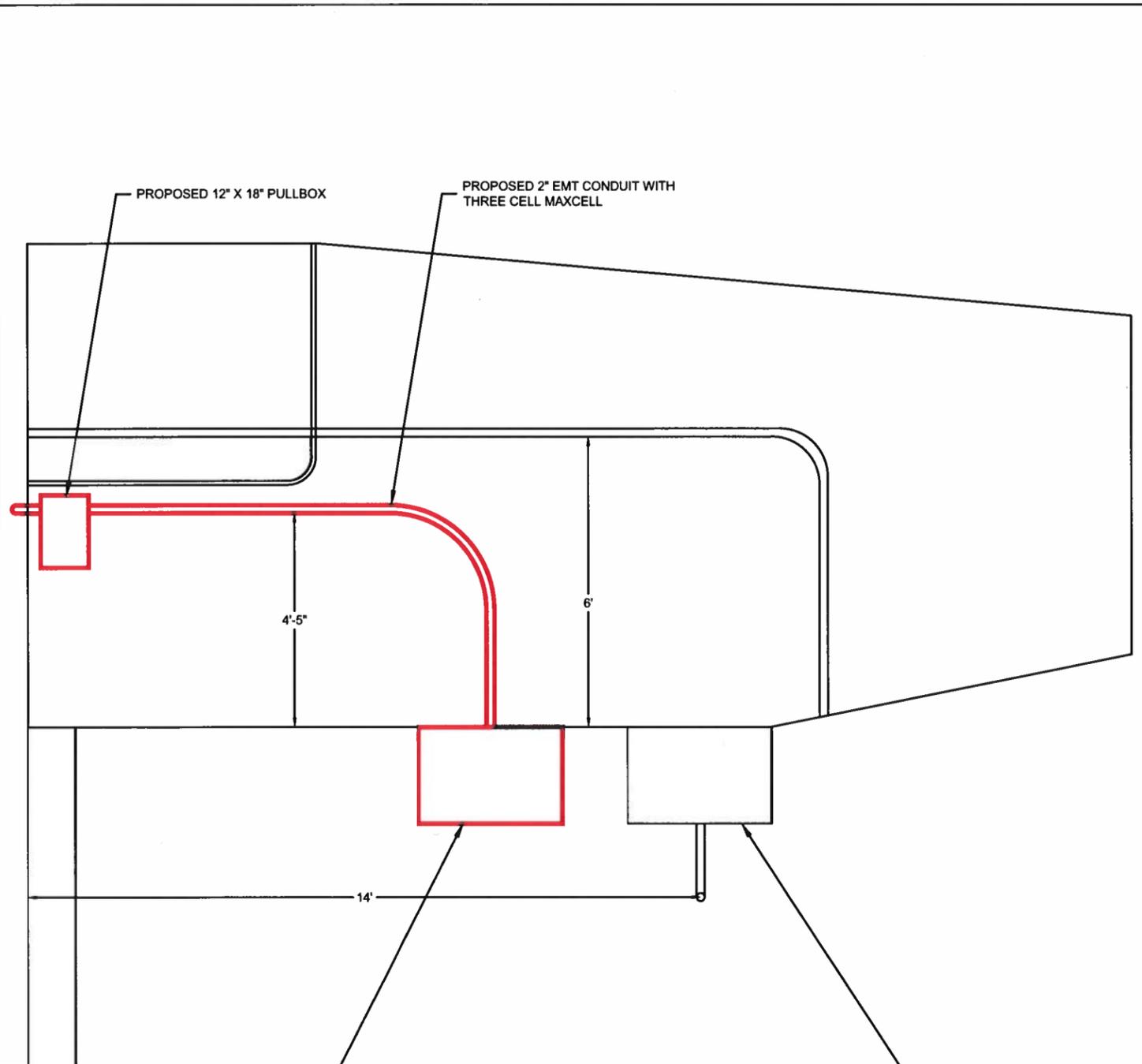
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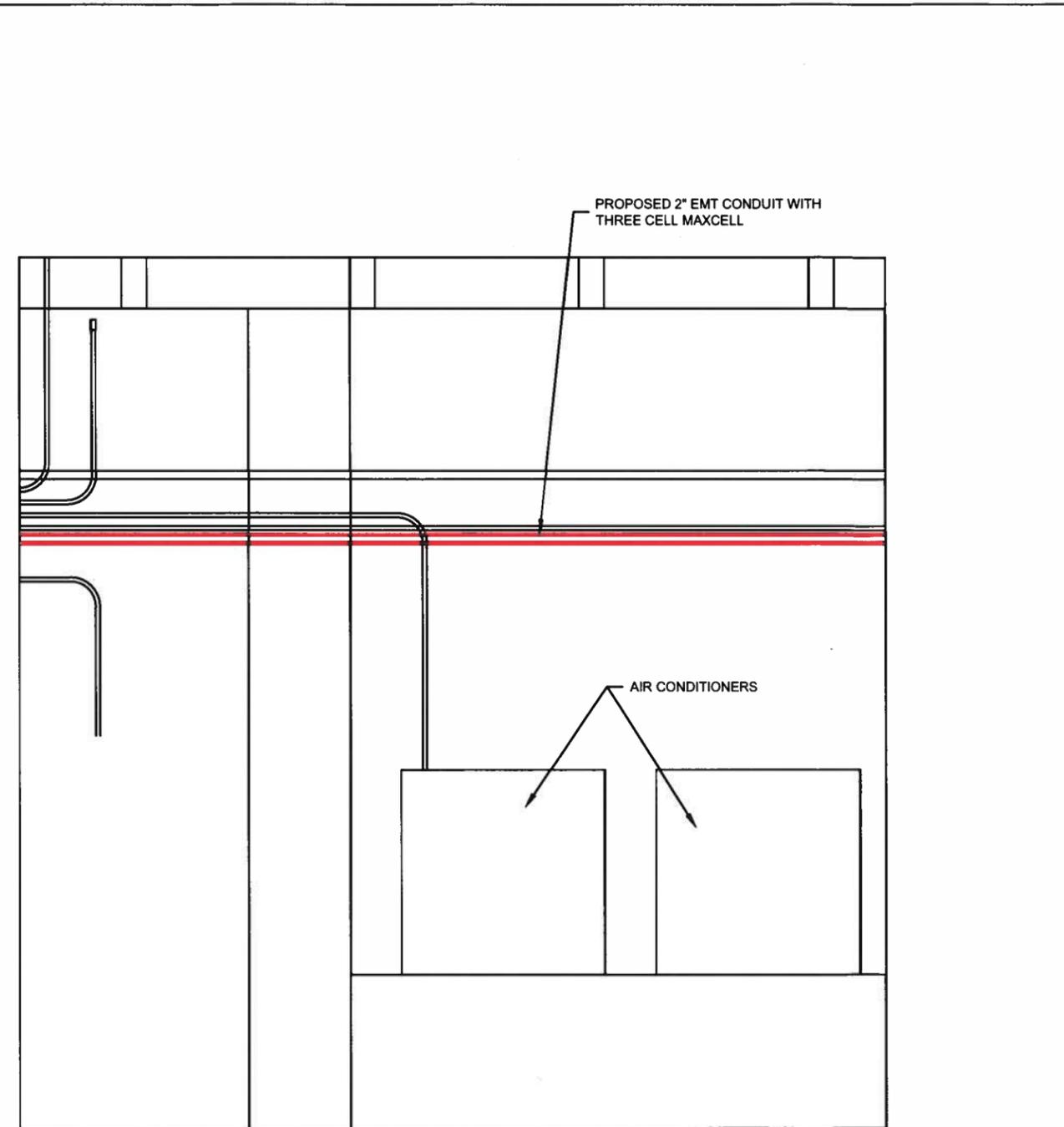
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GRINNELL REGIONAL MEDICAL CENTER	
SCALE:	
1: 10	



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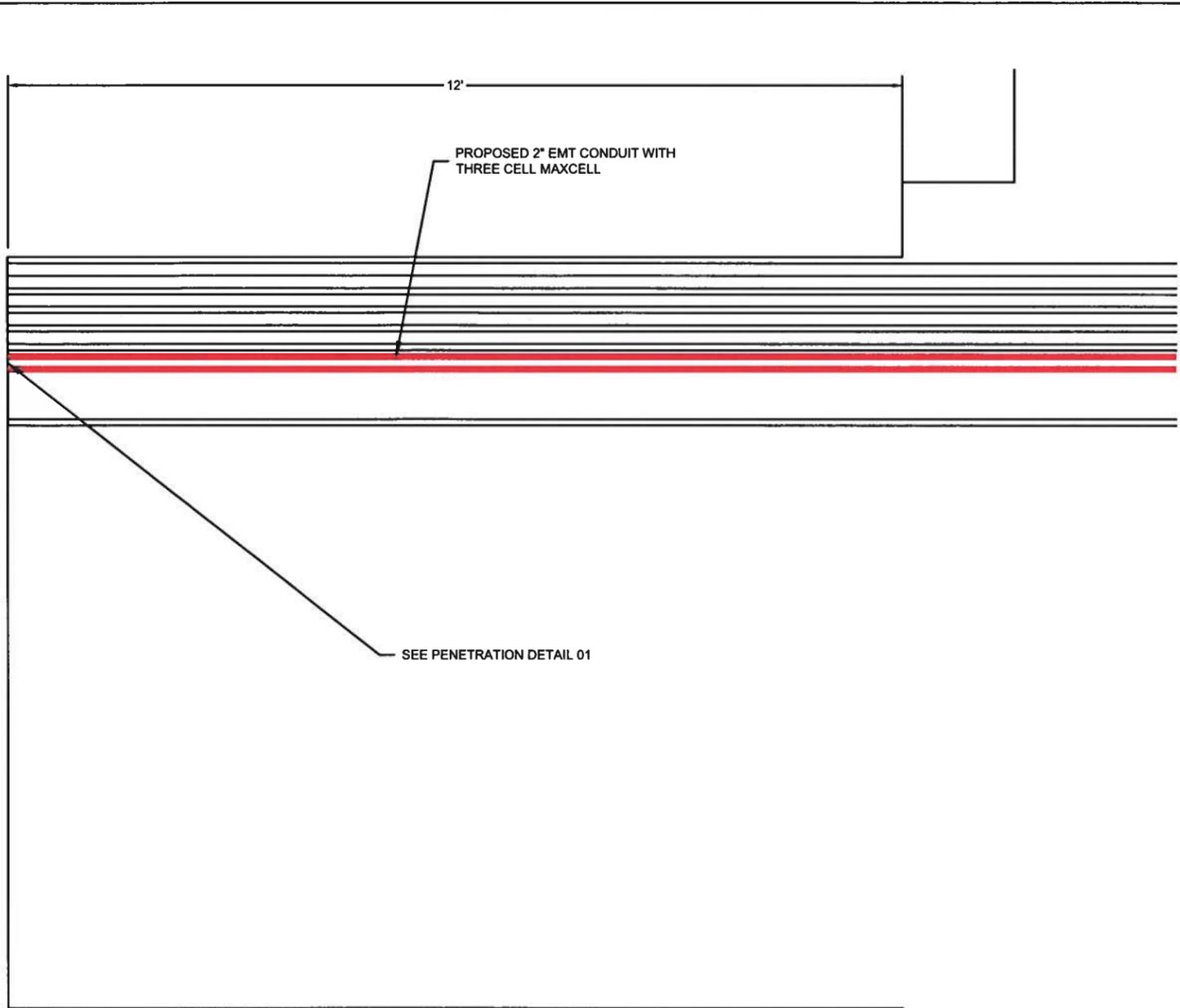


**A** SECTION (A - A) - FACING NORTH WEST  
**A** SCALE: 1" = 3'

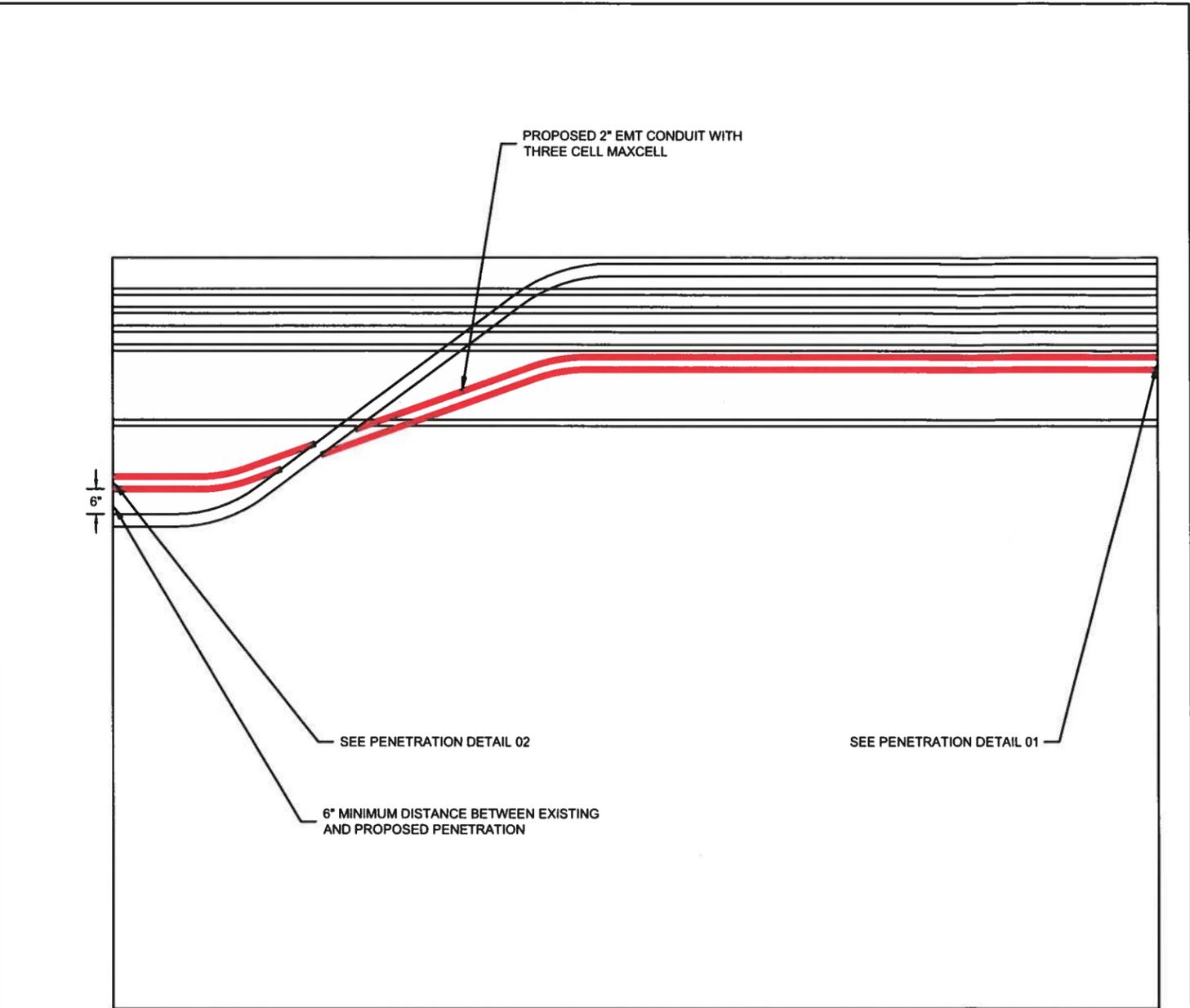


**B** SECTION (B - B) - FACING NORTH EAST  
**B** SCALE: 1" = 3'

 NewCom Technologies, Inc. 6000 Grand Avenue Des Moines, IA 50312 800-626-6234	 City of Pella 825 Broadway St. Pella, IA 50219 (641) 628-4173	<b>PROJECT          CITY OF PELLA          FIBER</b>	<b>REVISIONS</b>	<b>DATE</b>	<b>BY</b>	<b>PELLA FIBER</b> GRINNELL REGIONAL MEDICAL CENTER SCALE: 1: 3	FIBER NODE  Print Date: 07-20-2020
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**C** SECTION (C - C) - FACING EAST  
**C** SCALE: 1" = 2'



**D** SECTION (D - D) - FACING EAST  
**D** SCALE: 1" = 2'

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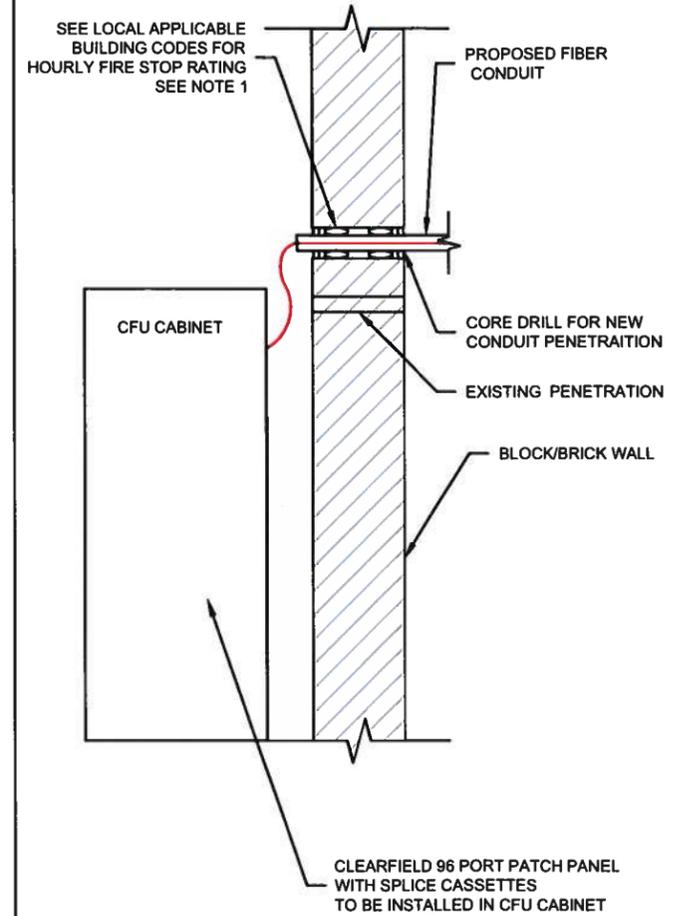
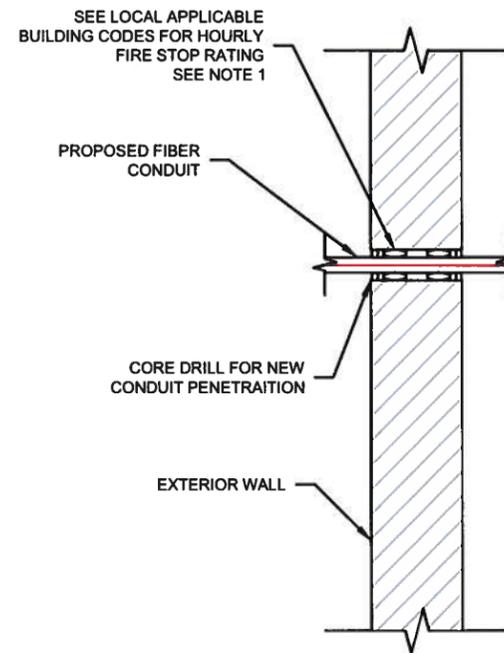
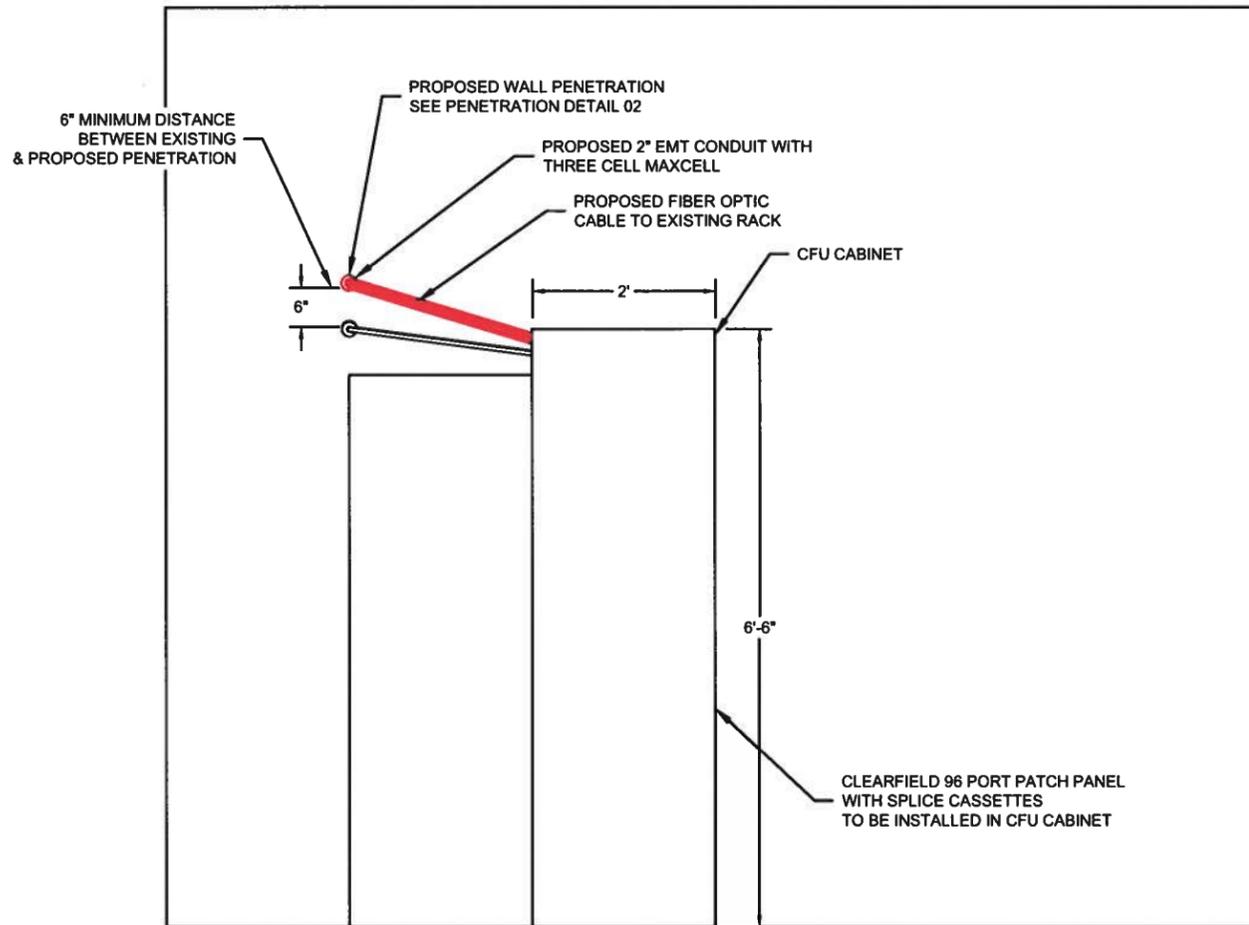
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SECTION (E - E) - FACING SOUTH  
 SCALE: 1" = 2'

01 PENETRATION DETAIL 01  
 SCALE: 1" = 2'

02 PENETRATION DETAIL 02  
 SCALE: 1" = 2'

NOTES:

- CONTRACTOR SHALL COMPLY WITH ALL BUILDING CODES AS WELL AS LANDLORD/BUILDING OWNER AND LOCAL JURISDICTION REQUIREMENTS.

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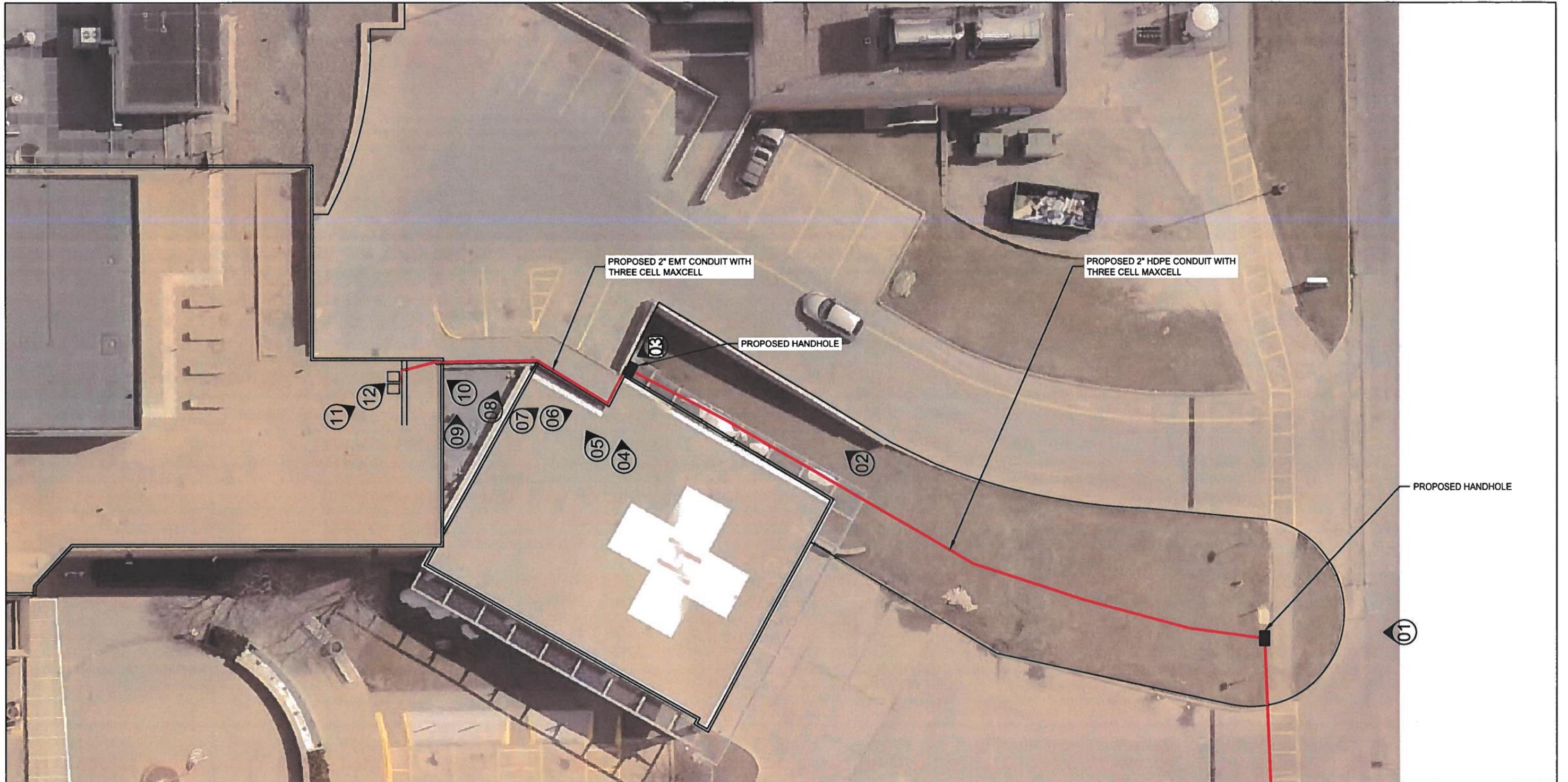
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 IMAGES KEY  
 SCALE: 1" = 20'

  
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 1: 20



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IMAGE 01 - ROUTE FROM PROPOSED HANDHOLE AT RIGHT OF WAY ON 3RD AVENUE. (FACING NORTH)

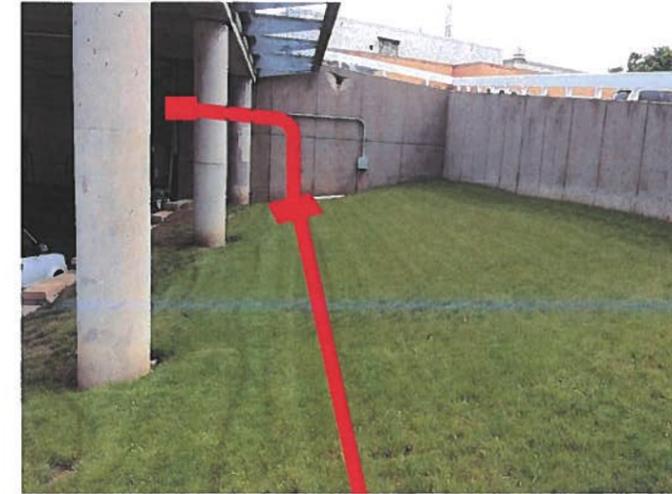


IMAGE 02 - ROUTE FROM RIGHT OF WAY TO PROPOSED HANDHOLE AT BUILDING. (FACING NORTHEAST) - SECTION A-A

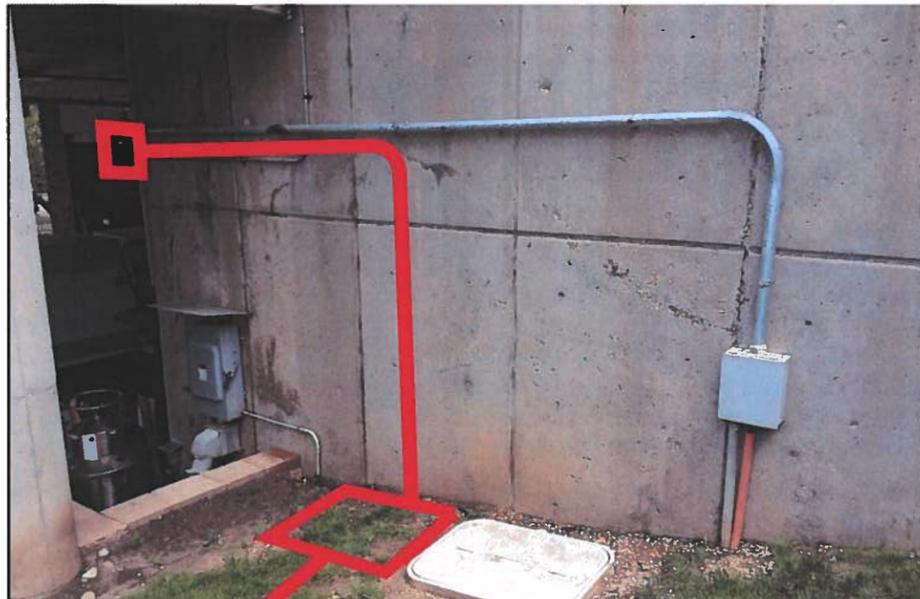


IMAGE 03 - PROPOSED HANDHOLE AT BUILDING, PROPOSED PATH FOR 2" EMT CONDUIT FROM HANDHOLE TO PROPOSED SMALL PULLBOX FOR 90° BEND. (FACING NORTHWEST) - SECTION A-A

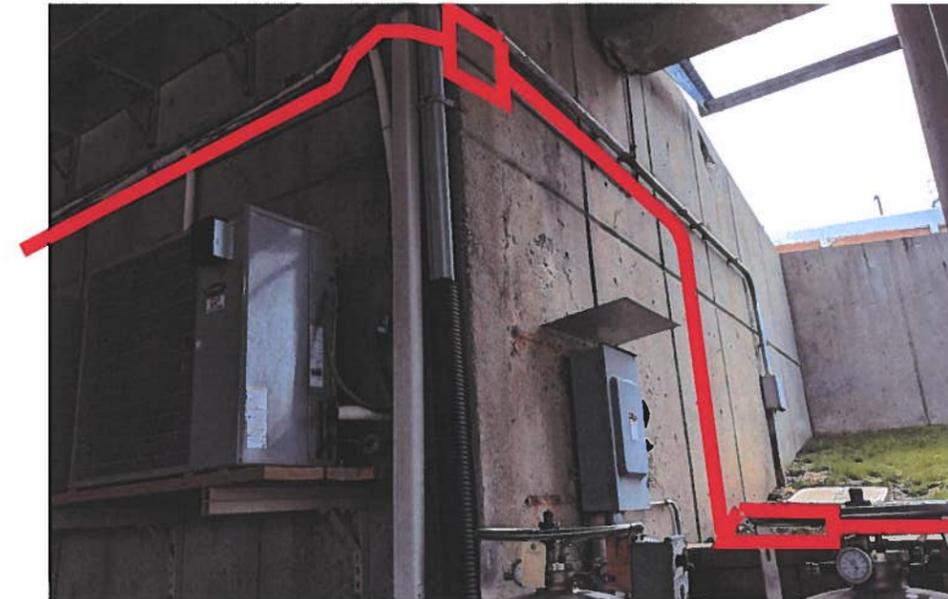


IMAGE 04 - PROPOSED PATH FOR 2" EMT CONDUIT THROUGH PROPOSED SMALL PULLBOX FOR 90° BEND. (FACING EAST) - SECTION A-A AND SECTION B-B

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IMAGE 05 - PATH FROM PULLBOX TO PROPOSED BUILDING PENETRATION INTO STORAGE ROOM FOLLOWING EXISTING UTILITIES. (FACING NORTHEAST) - SECTION B-B AND SECTION C-C



IMAGE 06 - PATH FROM PULLBOX TO PROPOSED BUILDING PENETRATION INTO STORAGE ROOM FOLLOWING EXISTING UTILITIES. (FACING SOUTH EAST) - SECTION B-B



IMAGE 07 - PATH FROM PULLBOX TO PROPOSED BUILDING PENETRATION INTO STORAGE ROOM FOLLOWING EXISTING UTILITIES. (FACING EAST) - SECTION B-B AND SECTION C-C

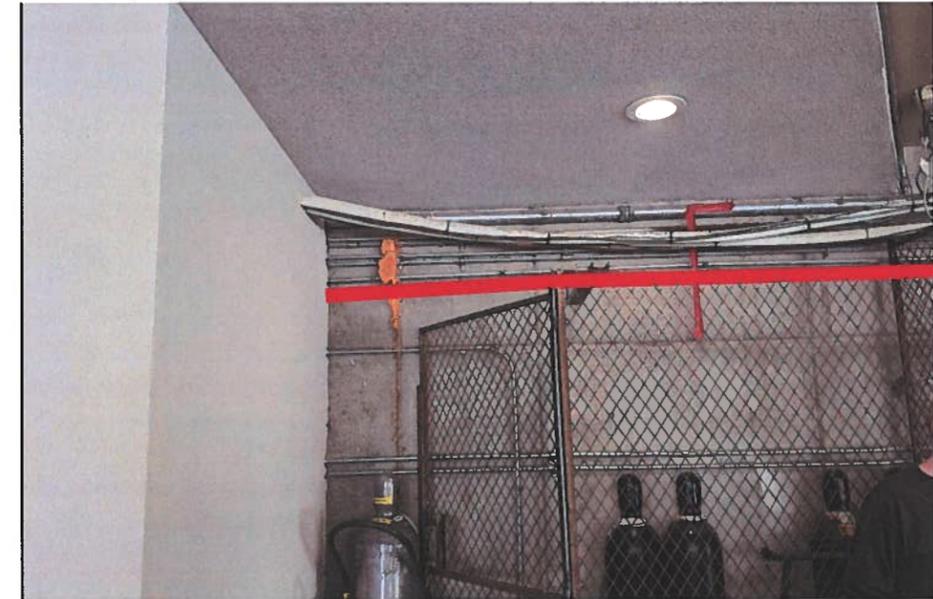


IMAGE 08 - PROPOSED BUILDING PENETRATION INTO SOUTHEAST WALL OF STORAGE ROOM WITH 2" EMT CONDUIT. (FACING EAST) - SECTION C-C

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IMAGE 09 - PROPOSED PATH FOR 2" EMT CONDUIT PENETRATING SOUTHEAST WALL OF STORAGE ROOM FOLLOWING EXISTING UTILITIES ALONG EAST WALL.(FACING EAST) - SECTION D-D

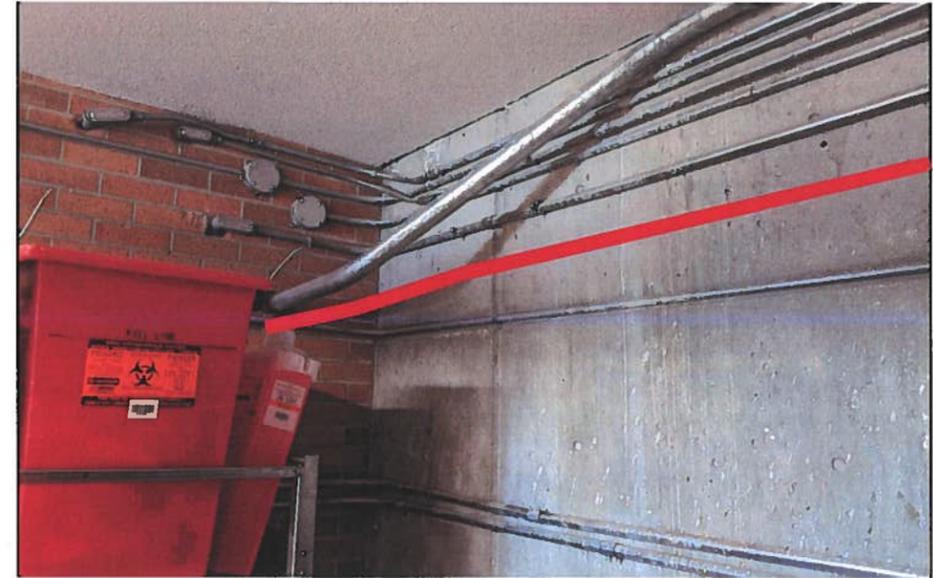


IMAGE 10 - PROPOSED PATH THROUGH STORAGE ROOM ALONG EAST WALL BENDING OUT 15° TO WALL PENETRATION INTO SERVER ROOM WALL. (FACING NORTHEAST) - SECTION D-D



IMAGE 11 - PROPOSED PATH TO CABINET ALONG SOUTH WALL FROM PROPOSED WALL PENETRATION. (FACING SOUTHEAST) - SECTION E-E

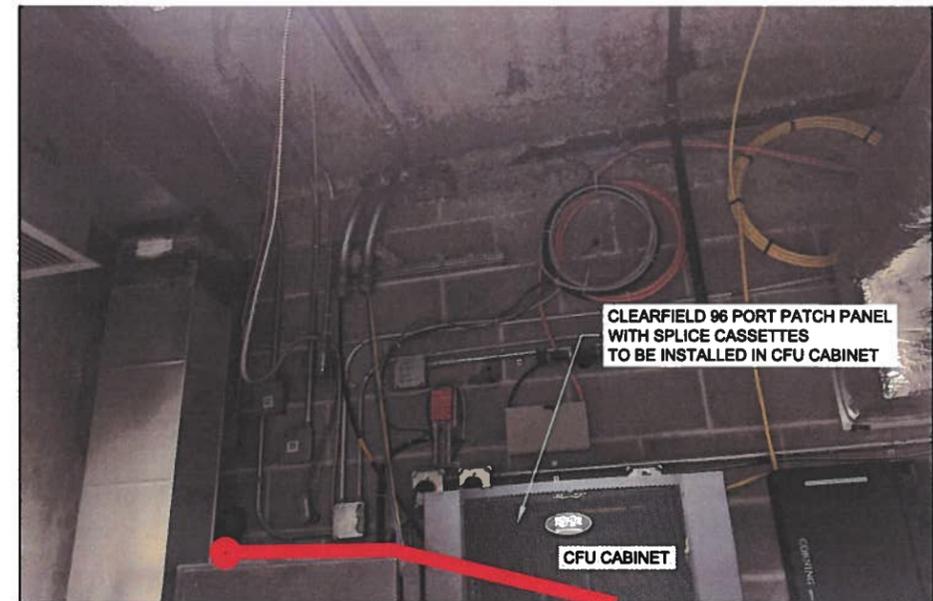


IMAGE 12 - PROPOSED WALL PENETRATION INTO SERVER CABINET ROOM ON SOUTH WALL. (FACING SOUTHEAST) - SECTION E-E

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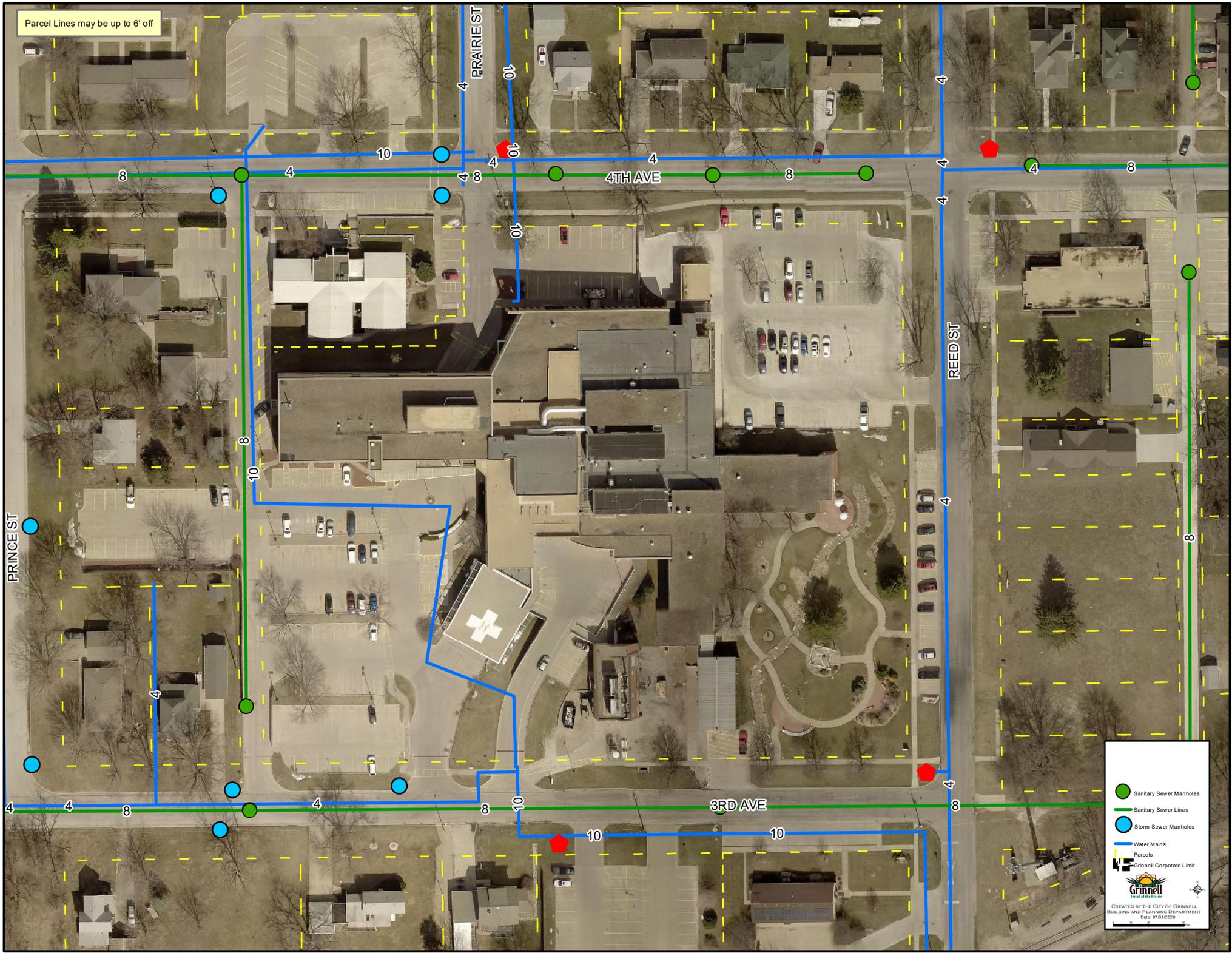
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Parcel Lines may be up to 6' off



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

CREATED BY THE CITY OF GRINNELL  
BUILDING AND PLANNING DEPARTMENT  
DATE: 07/31/2020

Parcel Lines may be up to 6' off

