



**AGENDA**  
**City Council Meeting**  
**City Hall Council Chambers - Webster City, Iowa**  
**May 6, 2024 6:00 p.m.**

This meeting will be open to the public and can be viewed live on the City facebook page <https://www.facebook.com/cityofwebstercity/> or viewed on the City of Webster City website <https://webstercity.com/government/city-council/city-council-meetings/> the morning following the meeting.

**CALL TO ORDER**

**ROLL CALL**

**PLEDGE OF ALLEGIANCE**

**Motion on Approval of Agenda**

**1. PETITIONS – COMMUNICATIONS – REQUESTS**

This is the time of the meeting that a citizen may address the Council on a matter not on the Agenda. **(No more than five minutes per person)** Except in cases of emergency, the City Council will not take any action at this meeting, but may ask the City Staff to research the matter or have the matter placed on the Agenda for a future meeting.

- a. Public Information

**2. MINUTES, CLAIMS, REPORTS, LICENSES**

The following items have been deemed to be non-controversial, routine actions to be approved by the Council in a single motion. If a Council member, or a member of the audience wishes to have an item removed from this list, it will be considered in its normal sequence on the Agenda.

- a. [MINUTES](#) of April 15, 2024 Meeting
- b. [CLAIMS](#), including Payroll ending April 20, 2024 and [FUND LIST](#)
- c. Recommend approval for issuance of Beer & Liquor Licenses by the Iowa Department of Commerce for the following:
  - Auto-Renewals – Class E Retail Alcohol License
    - Fareway Stores, Inc. – 942 2<sup>nd</sup> Street
    - Hy-Vee, Inc. – 823 2<sup>nd</sup> Street
    - Casey’s General Store #1828 – 1300 2<sup>nd</sup> Street
  - Class C Retail Alcohol License, Gridiron Family Grill and Sports Lounge, Inc., 1121 East Second Street
  - Amendment to add Outdoor Service Area – Wildcat Distilling Co., 626 2<sup>nd</sup> Street – for Parklet Area during dates of May 1<sup>st</sup> through October 31<sup>st</sup> annually
  - 5-Day (May 21<sup>st</sup>-25<sup>th</sup>) Class C Retail Alcohol License for Iowa Beer Bus to participate at Junquefest event being held at Hamilton County Fairgrounds
- d. Motion approving entering into a one-year [FARM LEASE](#) with Travis Wearda, Webster City, Iowa on City owned property.

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- e. Council Committee Reports
- f. Other reports and recommendations

**3. GENERAL AGENDA**

**PUBLIC HEARINGS 6:05 P.M.**

[COUNCIL MEMORANDUM\(a,b\)](#)

- a. Public Hearing on Substation Grading

[ENGR LTR](#) [BID SUMMARY TAB](#)

**RESOLUTION** approving plans and specifications, form of contract and estimate of cost for the Construction of Reisner Substation Grading and Awarding Contract to McDowell & Sons Contractors, Inc. of Iowa Falls, Iowa in the amount of \$366,460.00 as identified by DGR Engineering in preparation for construction of the Reisner Substation.

- b. Public Hearing on Substation Materials

[ENGR LTR](#) [BIDS](#)

**RESOLUTION** approving and confirming plans, specifications, and estimate of cost for Six Major Substation Materials, as defined, needed for Construction of the Reisner Substation and award of contracts to multiple suppliers for Materials as outlined in this Resolution.

- c. [COUNCIL MEMORANDUM](#) [RESOLUTION](#) to set a Public Hearing on proposed plans, specifications, form of contract and estimate of cost for the 2022 Electrical Underground Conversion Project (Project 9-22-006) (East Side Conversion Project) *(June 17, 2024 6:05 p.m.)*

[NOTICE](#) [ELECTRIC BUDGET](#) [ENGR LTR](#) [SCHEDULE](#) [CONSTRUCTION CONTRACT](#)

- d. **RESOLUTION** setting date for the sale of Water Revenue Bonds, Series 2024 and authorizing the use of a preliminary official statement in connection therewith.

- e. **RESOLUTION** setting date for the sale of Electric Revenue Bonds, Series 2024 and authorizing the use of a preliminary official statement in connection therewith.

- f. [COUNCIL MEMORANDUM](#) [RESOLUTION](#) authorizing the City Manager to sign and execute Change Order No. 5 and Council to authorize Final Payment and retainage in 30 days to Doyle Construction, Fort Dodge, Iowa, for the completion of the Lincoln Drive Reconstruction Project. [ENGR LTR-CO5](#)

- g. [COUNCIL MEMORANDUM](#) [RESOLUTION](#) authorizing the City Manager to sign and execute Change Order No. 1 for the Fair Meadow Drive Reconstruction Project. [ENGR LTR-CO1](#)

- h. [COUNCIL MEMORANDUM](#) First Reading of an Ordinance Amending the Code of Ordinances of the City of Webster City, Iowa, 2019, by amending Chapter 46, Article II, Division 2, Section 46-50 pertaining to Stop Requirement at Certain Streets. [TRAFFIC MINUTES](#) [ORDINANCE](#)

**City Council Meeting Agenda May 6, 2024**

- i. [RESOLUTION](#) amending Terms of Employment for City Clerk.
- j. [RESOLUTION](#) approving Contract for Economic Development Services.    [CONTRACT](#)
- k. [COUNCIL MEMORANDUM](#) Consider [RESOLUTION](#) authorizing and approving execution of Wilson Brewer Park Agreement between the City of Webster City and Hamilton County.    [AGREEMENT](#)    [LETTER](#)

**4. OTHER ITEMS SENT TO COUNCIL**

- a. City Attorney [REPORT/UPDATE](#) May 1, 2024

**5. CLOSED SESSION**

- a. Meet in closed session to evaluate the professional competency of an individual whose appointment, hiring performance or discharge is being considered when necessary to prevent needless and irreparable injury to that individual’s reputation and that individual requests a closed session as provided by Chapter 21.5 i of the Code of Iowa.

**6. ADJOURN**

NOTE: The Council may act by motion, resolution or ordinance on items listed on the Agenda.

**CITY COUNCIL MEETING MINUTES**  
**Webster City, Iowa April 15, 2024 – 6:00 p.m.**

The City Council met in regular session at the City Hall, Webster City, Iowa at 6:00 p.m. on April 15, 2024 upon call of the Mayor and the advance agenda. The meeting was called to order by Mayor John Hawkins and roll being called there were present in Council Chambers the following Council Members: Abbie Hansen, Megan McFarland and Matt McKinney. Logan Welch was absent.

*This meeting was open to the public and could be viewed live on the City facebook page <https://www.facebook.com/cityofwebstercity/> or can be viewed on the City of Webster City website <https://webstercity.com/government/city-council/city-council-meetings/> the following morning.*

Mayor John Hawkins led the Pledge of Allegiance.

It was moved by McFarland and seconded by Hansen to approve the agenda.

ROLL CALL: Hansen, Hawkins, McFarland and McKinney voting aye.

**PETITIONS- COMMUNICATIONS- REQUESTS**

None brought forth.

**PUBLIC INFORMATION**

a. None brought forth

b. Mayor John Hawkins gave a proclamation that April 26, 2024 be recognized as Arbor Day in Webster City.

**MINUTES, CLAIMS, REPORTS, LICENSES**

It was moved by Hansen and seconded by McKinney that the following motions and licenses (a-g) be approved collectively:

a. The meeting minutes of April 1, 2024 Special Meeting and April 1, 2024 Regular meeting

b. The Claims, including Payroll ending April 6, 2024 and Fund List

c. The Finance Reports for November and December 2023 and January 2024 be accepted and placed on file.

d. The Electric Report for February and the Electric, Water and Wastewater Reports for March be accepted and placed on file.

e. The Police Department Activity and Citations by Approach Reports for March 2024 be accepted and placed on file.

f. The Fire Department Report for March 2024 and the 2023 Yearly Fire Department Report be accepted and placed on file.

g. That the issuance of Beer and Liquor Licenses by the Iowa Department of Commerce be recommended for the following:

Special Class C Retail Alcohol License (5-Day), St. Thomas Aquinas Church, 1010 Des Moines Street for event to be held on Saturday, April 27th, 2024

h. Council Committee Reports – None brought forth.

i. Other reports and recommendations – None brought forth.

ROLL CALL: Hawkins, McFarland, McKinney and Hansen voting aye.

**GENERAL AGENDA**

Dodie Wolfram, Finance Director and John Harrenstein, Interim City Manager provided an overview of the following budget items on the agenda.

a. It was moved by McFarland and seconded by Hansen that the proposed 2024/2025 property tax levy be approved.

ROLL CALL: McFarland, McKinney, Hansen and Hawkins voting aye.

**City Council Meeting Minutes, April 15, 2024**

**PUBLIC HEARINGS 6:05 P.M.**

b. April 15, 2024 at 6:05 p.m. in Council Chambers at City Hall, 400 Second Street, Webster City, Iowa being the time and place for a Public Hearing to Certify the FY 2024-2025 Budget, the same was held. No written objections were received and no oral objections were presented.

It was moved by McKinney and seconded by Hansen that Resolution No. 2024-058 adopting, following Notice and Hearing, the 2024-2025 Operating Budget and Certification of City Taxes for the Fiscal Year ending June 30, 2025 for the City of Webster City, Iowa, be passed and adopted.

ROLL CALL: McKinney, Hansen, Hawkins and McFarland voting aye.

It was moved by McFarland and seconded by Hansen that Resolution No. 2024-059 adopting the 2024-2025 Capital Improvement and Capital Equipment Budget and the 2024-2025 through 2028-2029 Capital Improvement and Capital Equipment Plan of the City of Webster City, Iowa, be passed and adopted.

ROLL CALL: Hansen, Hawkins, McFarland and McKinney voting aye.

c. April 15, 2024 at 6:05 p.m. in Council Chambers at City Hall, 400 Second Street, Webster City, Iowa being the time and place for a Public Hearing on a proposal to enter into an Electric Revenue Loan Agreement, the same was held. No written objections were received and no oral objections were presented.

It was moved by Hansen and seconded by McFarland that Resolution No. 2024-060 taking additional action on proposal to enter into an Electric Revenue Loan Agreement be passed and adopted.

ROLL CALL: Hawkins, McFarland, McKinney and Hansen voting aye.

d. April 15, 2024 at 6:10 p.m. in Council Chambers at City Hall, 400 Second Street, Webster City, Iowa being the time and place for a Public Hearing on a proposal to enter into a Water Revenue Loan Agreement, the same was held. No written objections were received and no oral objections were presented.

It was moved by Hansen and seconded by McKinney that Resolution No. 2024-061 taking additional action on proposal to enter into a Water Revenue Loan Agreement, be passed and adopted.

ROLL CALL: McFarland, McKinney, Hansen and Hawkins voting aye.

e. It was moved by McFarland and seconded by Hansen that Resolution No. 2024-062 authorizing the Mayor to enter into an Agreement with Williams & Company to perform the FY24 and FY25 Audit Services for the City of Webster City be passed and adopted.

ROLL CALL: McKinney, Hansen, Hawkins and McFarland voting aye.

f. It was moved by Hansen and seconded by McKinney that the request from the Hamilton County Fair to hold the Fair Parade on July 23, 2024 be approved.

ROLL CALL: Hansen, Hawkins, McFarland and McKinney voting aye.

g. It was moved by Hansen and seconded by McFarland that the request from Webster City Area Chamber of Commerce for street closure of 500-700 Blocks of Second Street and 700 Block of Des Moines Street on Thursdays in June through August from 4:00 p.m. to 8:30 p.m. for Webster City Market Nights. Additional Closure Request of North City Parking Lot in 700 Block for Classic Car Nights on June 20<sup>th</sup>, July 18<sup>th</sup> and August 15<sup>th</sup>. be approved.

ROLL CALL: Hawkins, McFarland, McKinney and Hansen voting aye.

h. It was moved by McKinney and seconded by Hansen that the City Council reject all bids on the demolition of the property at 614 First Street.

ROLL CALL: McFarland, McKinney, Hansen and Hawkins voting aye.

i. It was moved by McFarland and seconded by Hansen that Resolution No. 2024-063 authorizing the Mayor to sign and execute Amendment No. 30 with Snyder and Associates to provide Professional Services needed for the 2024 HMA Street Improvement Project be passed and adopted.

ROLL CALL: McKinney, Hansen, Hawkins and McFarland voting aye.

**City Council Meeting Minutes, April 15, 2024**

**CLOSED SESSIONS**

It was moved by McFarland and seconded by Hansen that the Council meet in closed session for the following:

a. To discuss the purchase or sale of particular real estate only where premature disclosure could be reasonably expected to increase the price the governmental body would have to pay for that property, or reduce the price the governmental body would receive for that property as provided by Chapter 21.5 j. of the Code of Iowa.

b. To evaluate the performance of the City Clerk, which is necessary to prevent needless and irreparable injury to that individual's reputation and that individual requests a closed session as provided by Chapter 21.5 l of the Code of Iowa.

ROLL CALL: Hansen, Hawkins, McFarland and McKinney voting aye.

Council went out of Open Session at 6:26 p.m.

Council took a short recess.

Council went in to Closed Session at 6:30 p.m.

Council returned to Open Session at 6:41 p.m.

It was moved by Hansen and seconded by McFarland that council adjourn.

ROLL CALL: Hawkins, McFarland, McKinney and Hansen voting aye.

The April 15, 2024 City Council Meeting stood adjourned at 6:42 p.m.

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John Hawkins, Mayor

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Karyl K. Bonjour, City Clerk

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
<b>MOORE CLEANING SERVICE, LLC (2902)</b>							
041624	1	Invoice	CLEANING SERVICES FOR CITY HALL	04/16/2024	455.00	10/24	100-24-36-5480-299
041624	2	Invoice	CLEANING SERVICES FOR CITY HALL	04/16/2024	325.00	10/24	601-23-36-5480-299
041624	3	Invoice	CLEANING SERVICES FOR CITY HALL	04/16/2024	260.00	10/24	602-23-36-5480-299
041624	4	Invoice	CLEANING SERVICES FOR CITY HALL	04/16/2024	260.00	10/24	603-23-36-5480-299
Total 041624:					1,300.00		
Total MOORE CLEANING SERVICE, LLC (2902):					1,300.00		
Total 04/16/2024:					1,300.00		

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
<b>AMAZON CAPITAL SERVICES (7618)</b>							
1PX7-PX94-	1	Invoice	14-INCH CLOCK	04/01/2024	32.44	10/24	100-21-21-5110-318
1PX7-PX94-	2	Invoice	HACKATHORN SIGHT SET FOR GLOCK	04/01/2024	114.80	10/24	100-21-21-5110-318
1PX7-PX94-	3	Invoice	GRIP FRAM INSERT PLUGS/GLOCK TOOL KI	04/01/2024	25.97	10/24	100-21-21-5110-318
1PX7-PX94-	4	Invoice	SAFARILAND BIANCHI 573-383-411	04/01/2024	44.80	10/24	100-21-21-5110-312
1PX7-PX94-	5	Invoice	NYLON RESTRAINTS	04/01/2024	59.97	10/24	100-21-21-5110-318
1PX7-PX94-	6	Invoice	SAFARILAND DUTY HOLSTER	04/01/2024	149.60	10/24	100-21-21-5110-312
1PX7-PX94-	7	Invoice	BROTHER THERMAL PAPER	04/01/2024	69.95	10/24	100-21-21-5110-318
1PX7-PX94-	8	Invoice	ANTENNAS	04/01/2024	23.24	10/24	100-21-21-5110-318
1PX7-PX94-	9	Invoice	TACNEX INNER BELT FOR DUTY BELT	04/01/2024	41.98	10/24	100-21-21-5110-312
1PX7-PX94-	10	Invoice	USB CABLE	04/01/2024	8.99	10/24	100-21-21-5110-318
1PX7-PX94-	11	Invoice	KYDEX HOLSTER OPTIC CUT COMPATIBLE	04/01/2024	56.99	10/24	100-21-21-5110-312
1PX7-PX94-	12	Invoice	UNIVERSAL MAG CARRIER	04/01/2024	19.99	10/24	100-21-21-5110-312
1PX7-PX94-	13	Invoice	GPS MOUNT FOR GARMIN	04/01/2024	10.97	10/24	100-21-21-5110-318
1PX7-PX94-	14	Invoice	UPBRIGHT 12V 5A AC/DC ADAPTER	04/01/2024	20.88	10/24	100-21-21-5110-318
1PX7-PX94-	15	Invoice	TRIJICON ADJUSTABLE LED SIGHT	04/01/2024	484.11	10/24	100-21-21-5110-318
Total 1PX7-PX94-YN9K:					1,164.68		
1VW3-QK7P-	1	Invoice	WEAPON LIGHT W/RAIL LOCATING KEYS & L	04/01/2024	149.79	10/24	100-21-21-5110-318
Total 1VW3-QK7P-6JJR:					149.79		
1YD7-L3LW-	1	Invoice	CREDIT - TACTICAL BOOT	03/20/2024	179.95-	10/24	100-21-21-5110-312
Total 1YD7-L3LW-9CTV (CREDIT MEMO):					179.95-		
Total AMAZON CAPITAL SERVICES (7618):					1,134.52		
<b>BLACK HILLS ENERGY (3466)</b>							
0976116030	1	Invoice	GAS UTILITY/LINE DEPT	04/10/2024	324.71	10/24	601-23-51-5566-234
Total 0976116030 04/10/2024:					324.71		
4752063290	1	Invoice	GAS UTILITY/DEPOT	04/17/2024	231.92	10/24	100-22-42-5221-234
Total 4752063290 04/17/2024:					231.92		
5470636360	1	Invoice	GAS UTILITY/FULLER HALL	04/17/2024	427.45	10/24	100-22-42-5233-234
Total 5470636360 04/17/2024:					427.45		
5542531803	1	Invoice	GAS UTILITY/FIRE STATION	04/17/2024	363.35	10/24	100-21-22-5140-234
Total 5542531803 04/17/2024:					363.35		
5978424719	1	Invoice	GAS UTILITY/WATER PLANT	04/10/2024	220.28	10/24	602-23-61-5642-234
Total 5978424719 04/10/2024:					220.28		
6506969580	1	Invoice	GAS UTILITY/WATER PLANT	04/10/2024	324.71	10/24	602-23-61-5642-234
Total 6506969580 04/10/2024:					324.71		
8081102404	1	Invoice	GAS UTILITY/SR CENTER	04/17/2024	326.37	10/24	100-22-42-5280-234
Total 8081102404 04/17/2024:					326.37		



Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
Total BLACK HILLS ENERGY (3466):					2,218.79		
<b>CARD SERVICES (140)</b>							
0000	04/01/2	1 Invoice	FUEL CLOUD SUBSCRIPTION	04/01/2024	.14	10/24	100-24-30-5380-315
0000	04/01/2	2 Invoice	FUEL CLOUD SUBSCRIPTION	04/01/2024	.14	10/24	601-24-30-5380-315
0000	04/01/2	3 Invoice	FUEL CLOUD SUBSCRIPTION	04/01/2024	.14	10/24	602-24-30-5380-315
0000	04/01/2	4 Invoice	FUEL CLOUD SUBSCRIPTION	04/01/2024	.14	10/24	603-24-30-5380-315
0000	04/01/2	5 Invoice	FUEL CLOUD SUBSCRIPTION	04/01/2024	2.11	10/24	100-21-22-5140-315
0000	04/01/2	6 Invoice	FUEL CLOUD SUBSCRIPTION	04/01/2024	15.71	10/24	100-24-14-5435-315
0000	04/01/2	7 Invoice	FUEL CLOUD SUBSCRIPTION	04/01/2024	23.72	10/24	601-23-52-5935-315
0000	04/01/2	8 Invoice	FUEL CLOUD SUBSCRIPTION	04/01/2024	1.42	10/24	601-23-80-5935-315
0000	04/01/2	9 Invoice	FUEL CLOUD SUBSCRIPTION	04/01/2024	1.42	10/24	602-23-80-5935-315
0000	04/01/2	10 Invoice	FUEL CLOUD SUBSCRIPTION	04/01/2024	27.77	10/24	100-21-21-5110-315
0000	04/01/2	11 Invoice	FUEL CLOUD SUBSCRIPTION	04/01/2024	1.54	10/24	100-22-42-5210-315
0000	04/01/2	12 Invoice	FUEL CLOUD SUBSCRIPTION	04/01/2024	1.54	10/24	100-23-42-5371-315
0000	04/01/2	13 Invoice	FUEL CLOUD SUBSCRIPTION	04/01/2024	.46	10/24	100-22-42-5233-315
0000	04/01/2	14 Invoice	FUEL CLOUD SUBSCRIPTION	04/01/2024	40.38	10/24	204-23-30-5310-315
0000	04/01/2	15 Invoice	FUEL CLOUD SUBSCRIPTION	04/01/2024	1.62	10/24	603-23-70-5935-315
0000	04/01/2	16 Invoice	FUEL CLOUD SUBSCRIPTION	04/01/2024	4.25	10/24	602-23-61-5935-315
Total 0000 04/01/2024:					122.50		
0001	04/01/2	1 Invoice	LODGING/MEAL EXP-BASINGER/TRAINING	04/01/2024	331.46	10/24	100-21-21-5110-231
Total 0001 04/01/2024:					331.46		
0003	04/01/2	1 Invoice	GOOGLE WORKSPACE MONTHLY BILLING	04/01/2024	66.84	10/24	100-24-16-5420-215
0003	04/01/2	2 Invoice	GOOGLE WORKSPACE MONTHLY BILLING	04/01/2024	245.09	10/24	601-24-16-5930-215
0003	04/01/2	3 Invoice	GOOGLE WORKSPACE MONTHLY BILLING	04/01/2024	66.84	10/24	602-24-16-5930-215
0003	04/01/2	4 Invoice	GOOGLE WORKSPACE MONTHLY BILLING	04/01/2024	66.84	10/24	603-24-16-5930-215
0003	04/01/2	5 Invoice	CREXENDO-SENIOR CENTER/RSVP	04/01/2024	22.25	10/24	100-22-42-5242-299
0003	04/01/2	6 Invoice	CREXENDO-SENIOR CENTER/RSVP	04/01/2024	22.25	10/24	100-22-42-5280-299
Total 0003 04/01/2024:					490.11		
0004	04/01/2	1 Invoice	MEAL EXPENSE/INTERIM CITY MGR	04/01/2024	9.15	10/24	100-24-12-5430-232
0004	04/01/2	2 Invoice	MEAL EXPENSE/INTERIM CITY MGR	04/01/2024	25.14	10/24	601-23-81-5926-232
0004	04/01/2	3 Invoice	MEAL EXPENSE/INTERIM CITY MGR	04/01/2024	5.71	10/24	602-23-81-5926-232
0004	04/01/2	4 Invoice	MEAL EXPENSE/INTERIM CITY MGR	04/01/2024	5.71	10/24	603-23-81-5926-232
0004	04/01/2	5 Invoice	BUDGET WORK SESSION EXP	04/01/2024	7.26	10/24	100-24-11-5410-232
0004	04/01/2	6 Invoice	BUDGET WORK SESSION EXP	04/01/2024	20.00	10/24	601-24-11-5410-232
0004	04/01/2	7 Invoice	BUDGET WORK SESSION EXP	04/01/2024	4.55	10/24	602-24-11-5410-232
0004	04/01/2	8 Invoice	BUDGET WORK SESSION EXP	04/01/2024	4.55	10/24	603-24-11-5410-232
0004	04/01/2	9 Invoice	IMFOA DUES - BONJOUR	04/01/2024	4.50	10/24	100-24-14-5435-215
0004	04/01/2	10 Invoice	IMFOA DUES - BONJOUR	04/01/2024	32.50	10/24	601-23-80-5930-215
0004	04/01/2	11 Invoice	IMFOR DUES - BONJOUR	04/01/2024	10.00	10/24	602-23-80-5930-215
0004	04/01/2	12 Invoice	IMFOA DUES - BONJOUR	04/01/2024	3.00	10/24	603-23-80-5930-215
0004	04/01/2	13 Invoice	MEAL EXP/MTG IN AMES	04/01/2024	1.68	10/24	100-24-12-5430-232
0004	04/01/2	14 Invoice	MEAL EXP/MTG IN AMES	04/01/2024	4.63	10/24	601-23-81-5926-232
0004	04/01/2	15 Invoice	MEAL EXP/MTG IN AMES	04/01/2024	1.05	10/24	602-23-81-5926-232
0004	04/01/2	16 Invoice	MEAL EXP/MTG IN AMES	04/01/2024	1.06	10/24	603-23-81-5926-232
Total 0004 04/01/2024:					140.49		
0221	04/01/2	1 Invoice	FIRE TRAINING EXPENSE	04/01/2024	1,955.00	10/24	100-21-22-5140-231
0221	04/01/2	2 Invoice	POSTAGE EXPENSE	04/01/2024	13.15	10/24	100-21-22-5140-221

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
Total 0221 04/01/2024:					1,968.15		
0338	04/01/2	1 Invoice	ADV H2O WORKSHOP (3 EMPLOYEES)	04/01/2024	200.00	10/24	602-23-62-5926-231
0338	04/01/2	2 Invoice	ADV H2O WORKSHOP (3 EMPLOYEES)	04/01/2024	100.00	10/24	602-23-61-5926-231
Total 0338 04/01/2024:					300.00		
0346	04/01/2	1 Invoice	INTL CODE COUNCIL/INSPECTOR MEMBER	04/01/2024	160.00	10/24	100-21-18-5190-316
Total 0346 04/01/2024:					160.00		
6555	04/01/2	1 Invoice	PARKING/CPM-MORK	04/01/2024	7.50	10/24	100-21-21-5110-232
6555	04/01/2	2 Invoice	PARKING/CPM-MORK	04/01/2024	7.50	10/24	100-21-21-5110-232
6555	04/01/2	3 Invoice	MEAL EXP/TRIP TO DM	04/01/2024	14.97	10/24	100-21-21-5110-318
6555	04/01/2	4 Invoice	MEAL EXP/METHODIST EVIDENCE TRIP	04/01/2024	14.97	10/24	100-21-21-5110-318
6555	04/01/2	5 Invoice	MEAL EXP/ILEA MTG	04/01/2024	11.86	10/24	100-21-21-5110-232
Total 6555 04/01/24:					56.80		
Total CARD SERVICES (140):					3,569.51		
<b>UNITED COOPERATIVE (979)</b>							
11602	1 Invoice		GAS REPORT	03/19/2024	1,831.88	10/24	100-21-21-5110-315
11602	2 Invoice		GAS REPORT	03/19/2024	35.96	10/24	100-21-22-5140-315
11602	3 Invoice		GAS REPORT	03/19/2024	343.19	10/24	204-23-30-5310-315
11602	4 Invoice		GAS REPORT	03/19/2024	175.48	10/24	603-23-70-5935-315
11602	5 Invoice		GAS REPORT	03/19/2024	127.44	10/24	602-23-61-5935-315
11602	6 Invoice		GAS REPORT	03/19/2024	58.68	10/24	100-21-18-5190-315
11602	7 Invoice		GAS REPORT	03/19/2024	671.42	10/24	601-23-52-5935-315
11602	8 Invoice		GAS REPORT	03/19/2024	108.88	10/24	601-23-80-5935-315
11602	9 Invoice		GAS REPORT	03/19/2024	108.88	10/24	602-23-80-5935-315
11602	10 Invoice		GAS REPORT	03/19/2024	46.03	10/24	100-22-42-5233-315
11602	11 Invoice		GAS REPORT	03/19/2024	77.38	10/24	100-22-42-5210-315
11602	12 Invoice		GAS REPORT	03/19/2024	77.38	10/24	100-23-42-5371-315
11602	13 Invoice		GAS REPORT	03/19/2024	191.48	10/24	100-24-14-5435-315
Total 11602:					3,854.08		
11616	1 Invoice		DIESEL REPORT	03/26/2024	111.82	10/24	100-21-22-5140-315
11616	2 Invoice		DIESEL REPORT	03/26/2024	1,758.86	10/24	204-23-30-5310-315
11616	3 Invoice		DIESEL REPORT	03/26/2024	702.32	10/24	601-23-52-5935-315
11616	4 Invoice		DIESEL REPORT	03/26/2024	1,141.28	10/24	100-24-14-5435-315
Total 11616:					3,714.28		
Total UNITED COOPERATIVE (979):					7,568.36		
Total 04/26/2024:					14,491.18		

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
<b>NORTH IOWA MUNICIPAL ELECTRIC (705)</b>							
050224	1	Invoice	PURCHASED POWER - MARCH 2024	05/02/2024	567,732.57	11/24	601-23-50-5555-233
Total 050224:					567,732.57		
Total NORTH IOWA MUNICIPAL ELECTRIC (705):					567,732.57		
<b>PEOPLES CREDIT UNION (4140)</b>							
050224	1	Invoice	LOAN PAYMENT-POLICE-PRINCIPAL PAYME	05/02/2024	5,182.23	11/24	100-41-21-5110-910
050224	2	Invoice	LOAN PAYMENT-POLICE-INTEREST PAYMEN	05/02/2024	184.26	11/24	100-41-21-5110-911
Total 050224:					5,366.49		
Total PEOPLES CREDIT UNION (4140):					5,366.49		
Total 05/03/2024:					573,099.06		

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
<b>ACCESS SYSTEMS (3917)</b>							
INV1559001	1	Invoice	PRINTER CONTRACT- FINANCE/UTILITY OF	04/16/2024	22.82	11/24	100-24-14-5435-225
INV1559001	2	Invoice	PRINTER CONTRACT- FINANCE/UTILITY OF	04/16/2024	164.81	11/24	601-23-80-5931-225
INV1559001	3	Invoice	PRINTER CONTRACT- FINANCE/UTILITY OF	04/16/2024	50.71	11/24	602-23-80-5931-225
INV1559001	4	Invoice	PRINTER CONTRACT- FINANCE/UTILITY OF	04/16/2024	15.22	11/24	603-23-80-5931-225
Total INV1559001:					253.56		
Total ACCESS SYSTEMS (3917):					253.56		
<b>AFLAC, INC. (20)</b>							
686821	1	Invoice	AFLAC BILLING	04/12/2024	1,866.04	11/24	902-11215
Total 686821:					1,866.04		
Total AFLAC, INC. (20):					1,866.04		
<b>AGSOURCE (4458)</b>							
PS-INV3287	1	Invoice	WATER TEST/FH POOL	03/26/2024	27.50	11/24	100-22-42-5233-299
Total PS-INV328705:					27.50		
PS-INV3315	1	Invoice	DRINKING WATER- DW COLIFORM RUSH	04/04/2024	34.50	11/24	602-23-62-5662-212
Total PS-INV331571:					34.50		
PS-INV3327	1	Invoice	DRINKING WATER- DW COLIFORM RUSH	04/09/2024	138.00	11/24	602-23-62-5662-212
Total PS-INV332708:					138.00		
Total AGSOURCE (4458):					200.00		
<b>ARNOLD MOTOR SUPPLY (68)</b>							
26NV101930	1	Invoice	FILTERS/TRK #5	04/16/2024	87.58	11/24	601-23-52-5935-314
Total 26NV101930:					87.58		
26NV101997	1	Invoice	VELCRO FASTENER	04/17/2024	7.46	11/24	100-21-21-5110-314
Total 26NV101997:					7.46		
26NV102185	1	Invoice	2 PK MINI LAMP/CAR #2209	04/22/2024	3.28	11/24	100-21-21-5110-314
Total 26NV102185:					3.28		
Total ARNOLD MOTOR SUPPLY (68):					98.32		
<b>AVAILA BANK (6318)</b>							
050224	1	Invoice	FULLER HALL PRINCIPAL PAYMENT	05/02/2024	4,307.68	11/24	300-22-98-5295-910
050224	2	Invoice	FULLER HALL INTEREST PAYMENT	05/02/2024	4,846.62	11/24	300-22-98-5295-911
Total 050224:					9,154.30		
Total AVAILA BANK (6318):					9,154.30		
<b>BERGLUND, LISA (4090)</b>							
021324	1	Invoice	ENERGY EFFICIENCY REBATE	02/13/2024	69.55	11/24	601-23-36-5930-979

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
Total 021324:					69.55		
030224	1	Invoice	ENERGY EFFICIENCY REBATE	03/02/2024	69.55	11/24	601-23-36-5930-979
Total 030224:					69.55		
Total BERGLUND, LISA (4090):					139.10		
<b>BLACK HILLS ENERGY (3466)</b>							
2074931097	1	Invoice	GAS UTILITY/CEMETERY	04/22/2024	316.52	11/24	100-23-42-5371-234
Total 2074931097 04/22/24:					316.52		
7824805624	1	Invoice	GAS UTILITY/WWTP	04/23/2024	2,591.41	11/24	603-23-70-5642-234
Total 7824805624 04/23/24:					2,591.41		
9634407409	1	Invoice	GAS UTILITY/STREET DEPT	04/23/2024	689.47	11/24	204-23-30-5310-234
Total 9634407409 04/23/24:					689.47		
Total BLACK HILLS ENERGY (3466):					3,597.40		
<b>BOMGAARS (5165)</b>							
62113362	1	Invoice	SHOP SUPPLIES	04/08/2024	19.99	11/24	602-23-61-5642-318
Total 62113362:					19.99		
62113404	1	Invoice	LUBRICANT	04/08/2024	7.49	11/24	601-23-80-5921-318
62113404	2	Invoice	LUBRICANT	04/08/2024	7.50	11/24	602-23-80-5921-318
Total 62113404:					14.99		
62113486	1	Invoice	REPLACEMENT NOZZLE	04/08/2024	6.99	11/24	100-21-22-5140-227
Total 62113486:					6.99		
62114466	1	Invoice	HEX KEY SETS	04/11/2024	29.98	11/24	601-23-52-5588-318
Total 62114466:					29.98		
62114618	1	Invoice	FASTENERS/OD POOL	04/11/2024	21.56	11/24	100-22-42-5242-310
Total 62114618:					21.56		
62114854	1	Invoice	CLEANER/ADAPTER-OD POOL	04/12/2024	25.77	11/24	100-22-42-5242-318
Total 62114854:					25.77		
62114899	1	Invoice	SHOP SUPPLIES	04/12/2024	22.76	11/24	602-23-61-5642-318
Total 62114899:					22.76		
62114938	1	Invoice	CLEVIS SLIP HOOK	04/12/2024	15.58	11/24	204-23-30-5310-311
Total 62114938:					15.58		

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
62116577	1	Invoice	MAILBOX REPLACEMENT	04/15/2024	25.99	11/24	204-23-30-5320-318
Total 62116577:					25.99		
62116637	1	Invoice	MINOR TOOLS/MISC SUPPLIES	04/15/2024	311.26	11/24	100-23-42-5371-311
Total 62116637:					311.26		
62116913	1	Invoice	SUPER GLUE/WISE GRIP	04/16/2024	17.78	11/24	100-22-42-5210-311
Total 62116913:					17.78		
62117231	1	Invoice	IPAD CHARGER CABLE	04/17/2024	15.99	11/24	204-23-30-5310-316
Total 62117231:					15.99		
62117271	1	Invoice	FASTENERS/DRILL BIT	04/17/2024	9.19	11/24	100-22-42-5210-318
Total 62117271:					9.19		
62117420	1	Invoice	BULK BOLTS	04/17/2024	19.44	11/24	100-22-42-5210-318
Total 62117420:					19.44		
62118909	1	Invoice	TOOLS FOR SHOP	04/20/2024	351.97	11/24	204-23-30-5310-311
Total 62118909:					351.97		
62119865	1	Invoice	BIT TIPS	04/23/2024	16.47	11/24	204-23-30-5310-311
Total 62119865:					16.47		
62120277	1	Invoice	PAINTING SUPPLIES/OD POOL	04/24/2024	99.52	11/24	100-22-42-5242-318
Total 62120277:					99.52		
62121134	1	Invoice	BULK BOLTS/SADDLE TRUCK BOX	04/26/2024	817.75	11/24	100-22-42-5210-318
Total 62121134:					817.75		
62121135	1	Invoice	DEWALT COMBO TOOL KIT/DRILL BIT SET/IM	04/26/2024	959.97	11/24	100-22-42-5210-311
Total 62121135:					959.97		
Total BOMGAARS (5165):					2,802.95		
<b>BSN SPORTS, LLC (125)</b>							
925520073	1	Invoice	FIELD LINING KIT	04/18/2024	77.00	11/24	100-22-42-5222-318
Total 925520073:					77.00		
Total BSN SPORTS, LLC (125):					77.00		
<b>CAPITAL SANITARY SUPPLY (6096)</b>							
C384422A	1	Invoice	AIR FRESHENER REFILLS	04/03/2024	32.20	11/24	204-23-30-5310-315
Total C384422A:					32.20		

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
C385613	1	Invoice	DISINFECTANT WIPES/LAUNDRY SOAP	04/10/2024	195.69	11/24	100-22-42-5233-318
Total C385613:					195.69		
C385971	1	Invoice	TRASH BAGS	04/17/2024	77.86	11/24	100-22-42-5233-318
Total C385971:					77.86		
Total CAPITAL SANITARY SUPPLY (6096):					305.75		
<b>CARDENAS CONCRETE, LLC (7929)</b>							
INV-306	1	Invoice	CONCRETE PANEL REPLACEMENT/LYNX &	04/17/2024	10,393.50	11/24	204-23-30-5310-299
Total INV-306:					10,393.50		
Total CARDENAS CONCRETE, LLC (7929):					10,393.50		
<b>CARLSON, DUANE (7934)</b>							
042924	1	Invoice	ELECTRIC REFUND	04/29/2024	1,245.32	11/24	601-23-80-5903-980
Total 042924:					1,245.32		
Total CARLSON, DUANE (7934):					1,245.32		
<b>CASTOR CONSTRUCTION, LLC (6890)</b>							
PYMT NO. 1	1	Invoice	FAIR MEADOW DRIVE PROJECT # 9-23-001 -	04/26/2024	206,210.45	11/24	525-23-30-5310-299
Total PYMT NO. 1:					206,210.45		
Total CASTOR CONSTRUCTION, LLC (6890):					206,210.45		
<b>CDW GOVERNMENT, INC. (149)</b>							
QW09562	1	Invoice	GETAC LAPTOPS FOR PD CARS	04/23/2024	1,137.29	11/24	100-41-16-5420-513
QW09562	2	Invoice	GETAC LAPTOPS FOR PD CARS	04/23/2024	4,170.03	11/24	601-41-16-5420-513
QW09562	3	Invoice	GETAC LAPTOPS FOR PD CARS	04/23/2024	1,137.29	11/24	602-41-16-5420-513
QW09562	4	Invoice	GETAC LAPTOPS FOR PD CARS	04/23/2024	1,137.29	11/24	603-41-16-5420-513
Total QW09562:					7,581.90		
Total CDW GOVERNMENT, INC. (149):					7,581.90		
<b>CENTRAL IOWA DISTRIBUTING, INC (153)</b>							
01007428	1	Invoice	BATH TISSUE/URINAL SCREENS	03/27/2024	134.00	11/24	100-22-42-5233-318
Total 01007428:					134.00		
01007429	1	Invoice	BATH TISSUE/BLACK TRASH BAGS	03/27/2024	287.00	11/24	100-22-42-5210-318
Total 01007429:					287.00		
01008314	1	Invoice	CLEANING SUPPLIES/CEMETERY	04/17/2024	706.00	11/24	100-22-42-5210-318
Total 01008314:					706.00		
Total CENTRAL IOWA DISTRIBUTING, INC (153):					1,127.00		
<b>CHARLSON EXCAVATING CO., INC. (7741)</b>							
23-486	1	Invoice	1 1/2" ROADSTONE	04/10/2024	5,025.00	11/24	204-23-30-5310-299

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
Total 23-486:					5,025.00		
Total CHARLSON EXCAVATING CO., INC. (7741):					5,025.00		
<b>CHIZEK LAW OFFICE (5715)</b>							
050224	1	Invoice	CITY ATTORNEY FEES	05/02/2024	1,300.00	11/24	100-24-13-5460-212
050224	2	Invoice	CITY ATTORNEY FEES	05/02/2024	3,575.00	11/24	601-24-13-5460-212
050224	3	Invoice	CITY ATTORNEY FEES	05/02/2024	812.50	11/24	602-24-13-5460-212
050224	4	Invoice	CITY ATTORNEY FEES	05/02/2024	812.50	11/24	603-24-13-5460-212
Total 050224:					6,500.00		
Total CHIZEK LAW OFFICE (5715):					6,500.00		
<b>CHRISTIAN, SHELLEY (3369)</b>							
020824	1	Invoice	ENERGY EFFICIENCY REBATE	02/08/2024	58.32	11/24	601-23-36-5930-979
Total 020824:					58.32		
Total CHRISTIAN, SHELLEY (3369):					58.32		
<b>CITY OF WEBSTER CITY (176)</b>							
042524	1	Invoice	CITY UTILITIES	04/25/2024	943.08	11/24	100-24-36-5480-233
042524	2	Invoice	CITY UTILITIES	04/25/2024	673.62	11/24	601-23-36-5480-233
042524	3	Invoice	CITY UTILITIES	04/25/2024	538.90	11/24	602-23-36-5480-233
042524	4	Invoice	CITY UTILITIES	04/25/2024	538.90	11/24	603-23-36-5480-233
042524	5	Invoice	CITY UTILITIES	04/25/2024	1,391.43	11/24	100-21-22-5140-233
042524	6	Invoice	CITY UTILITIES	04/25/2024	1,246.58	11/24	204-23-30-5310-233
042524	7	Invoice	CITY UTILITIES	04/25/2024	658.32	11/24	100-21-30-5120-233
042524	8	Invoice	CITY UTILITIES	04/25/2024	368.74	11/24	602-23-62-5662-233
042524	9	Invoice	CITY UTILITIES	04/25/2024	581.65	11/24	603-23-71-5662-233
042524	10	Invoice	CITY UTILITIES	04/25/2024	20,570.07	11/24	603-23-70-5642-233
042524	11	Invoice	CITY UTILITIES	04/25/2024	10,318.94	11/24	100-21-30-5160-233
042524	12	Invoice	CITY UTILITIES	04/25/2024	500.99	11/24	100-22-42-5221-233
042524	13	Invoice	CITY UTILITIES	04/25/2024	311.35	11/24	100-22-42-5210-233
042524	14	Invoice	CITY UTILITIES	04/25/2024	27.07	11/24	100-22-42-5210-233
042524	15	Invoice	CITY UTILITIES	04/25/2024	762.60	11/24	100-22-42-5222-233
042524	16	Invoice	CITY UTILITIES	04/25/2024	4,398.57	11/24	100-22-42-5233-233
042524	17	Invoice	CITY UTILITIES	04/25/2024	542.63	11/24	100-23-42-5371-233
042524	18	Invoice	CITY UTILITIES	04/25/2024	3,909.86	11/24	602-23-60-5601-233
042524	19	Invoice	CITY UTILITIES	04/25/2024	199.51	11/24	601-23-51-5566-233
042524	20	Invoice	CITY UTILITIES	04/25/2024	199.50	11/24	601-23-52-5588-233
042524	21	Invoice	CITY UTILITIES	04/25/2024	199.50	11/24	601-23-52-5586-233
042524	22	Invoice	CITY UTILITIES	04/25/2024	173.74	11/24	100-22-42-5242-233
042524	23	Invoice	CITY UTILITIES	04/25/2024	3,082.36	11/24	602-23-61-5642-233
042524	24	Invoice	CITY UTILITIES	04/25/2024	378.23	11/24	100-23-43-5361-233
042524	25	Invoice	CITY UTILITIES	04/25/2024	365.39	11/24	100-22-42-5280-233
042524	26	Invoice	CITY UTILITIES	04/25/2024	454.29	11/24	100-21-22-5140-233
Total 042524:					53,335.82		
Total CITY OF WEBSTER CITY (176):					53,335.82		
<b>CLABAUGH, RUSTY OR JODI (5351)</b>							
020224	1	Invoice	ENERGY EFFICIENCY REBATE	02/02/2024	125.00	11/24	601-23-36-5930-979



Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
Total 020224:					125.00		
Total CLABAUGH, RUSTY OR JODI (5351):					125.00		
<b>COLUMN SOFTWARE PBC (7826)</b>							
04.19.24	1	Invoice	PH NOTICE - REISNER GRADING	04/19/2024	34.62	11/24	601-23-51-5562-871
Total 04.19.24:					34.62		
041224	1	Invoice	CM 04/01/2024 - TAX LEVY	04/12/2024	44.69	11/24	100-24-14-5435-210
Total 041224:					44.69		
04192024	1	Invoice	NOTICE - STORMWATER DISCHARGE	04/19/2024	25.08	11/24	601-23-51-5562-871
Total 04192024:					25.08		
041924	1	Invoice	PH NOTICE - REISNER MATERIALS	04/19/2024	28.26	11/24	601-23-51-5562-871
Total 041924:					28.26		
Total COLUMN SOFTWARE PBC (7826):					132.65		
<b>CORN BELT POWER COOP, INC. (197)</b>							
16859	1	Invoice	TAPE READINGS & REPORTS	04/10/2024	40.00	11/24	601-23-51-5566-299
Total 16859:					40.00		
Total CORN BELT POWER COOP, INC. (197):					40.00		
<b>COUNSEL (3995)</b>							
24AR167697	1	Invoice	PRINTER CONTRACT - INSPECTION	04/08/2024	32.56	11/24	100-21-18-5190-225
Total 24AR1676976:					32.56		
24AR167697	1	Invoice	PRINTER CONTRACT - WATER DEPT	04/08/2024	43.04	11/24	602-23-61-5931-225
Total 24AR1676977:					43.04		
24AR167697	1	Invoice	PRINTER CONTRACT - LINE DEPT	04/08/2024	41.49	11/24	601-23-52-5931-225
Total 24AR1676978:					41.49		
24AR168676	1	Invoice	PRINTER CONTRACT - FINANCE/UTILITY OF	04/11/2024	5.73	11/24	100-24-14-5435-225
24AR168676	2	Invoice	PRINTER CONTRACT - FINANCE/UTILITY OF	04/11/2024	41.35	11/24	601-23-80-5931-225
24AR168676	3	Invoice	PRINTER CONTRACT - FINANCE/UTILITY OF	04/11/2024	12.72	11/24	602-23-80-5931-225
24AR168676	4	Invoice	PRINTER CONTRACT - FINANCE/UTILITY OF	04/11/2024	3.82	11/24	603-23-80-5931-225
Total 24AR1686766:					63.62		
24AR171378	1	Invoice	IT PRINTER PER CLICK MAINT. FEE	04/23/2024	4.28	11/24	100-24-16-5420-299
24AR171378	2	Invoice	IT PRINTER PER CLICK MAINT. FEE	04/23/2024	15.68	11/24	601-24-16-5935-299
24AR171378	3	Invoice	IT PRINTER PER CLICK MAINT. FEE	04/23/2024	4.28	11/24	602-24-16-5935-299
24AR171378	4	Invoice	IT PRINTER PER CLICK MAINT. FEE	04/23/2024	4.28	11/24	603-24-16-5935-299
Total 24AR1713782:					28.52		

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
24AR171378	1	Invoice	PRINTER CONTRACT - WWTP	04/23/2024	25.20	11/24	603-23-70-5931-225
Total 24AR1713783:					25.20		
Total COUNSEL (3995):					234.43		
<b>CTI READY MIX, INC. (7518)</b>							
116123	1	Invoice	STORM SEWER/SPARBOE CT & WEBSTER S	04/12/2024	284.00	11/24	204-23-30-5330-318
Total 116123:					284.00		
Total CTI READY MIX, INC. (7518):					284.00		
<b>DAILY FREEMAN JOURNAL, INC. (211)</b>							
040324	1	Invoice	PH NOTICE - BUDGET	04/03/2024	212.80	11/24	100-24-14-5435-210
Total 040324:					212.80		
041024	1	Invoice	CM 04/01/24	04/10/2024	195.51	11/24	100-24-14-5435-210
Total 041024:					195.51		
042424	1	Invoice	CM 04/15/2024	04/24/2024	271.32	11/24	100-24-14-5435-210
Total 042424:					271.32		
Total DAILY FREEMAN JOURNAL, INC. (211):					679.63		
<b>DANIELS, JEFF (6005)</b>							
123023	1	Invoice	ENERGY EFFICIENCY REBATE	12/30/2023	75.00	11/24	601-23-36-5930-979
123023	2	Invoice	CB EE RESIDENTIAL REBATE	12/30/2023	25.00	11/24	601-23-53-5930-979
Total 123023:					100.00		
Total DANIELS, JEFF (6005):					100.00		
<b>DESIGNER GRAPHIX PLUS, INC (1214)</b>							
2024-2484	1	Invoice	SEASONAL SHIRTS	04/23/2024	150.00	11/24	100-22-42-5210-312
Total 2024-2484:					150.00		
Total DESIGNER GRAPHIX PLUS, INC (1214):					150.00		
<b>DGR ENGINEERING (5967)</b>							
00267733	1	Invoice	ENG - REISNER SUBSTATION	04/17/2024	40,596.50	11/24	601-23-51-5562-871
Total 00267733:					40,596.50		
00267734	1	Invoice	ENG - 69kV TRANSMISSION IMPROVEMENT	04/17/2024	47,490.75	11/24	601-23-51-5566-871
Total 00267734:					47,490.75		
00267735	1	Invoice	ENG - PHASE 1 DIST IMPROVEMENTS #9-25-	04/17/2024	1,973.50	11/24	601-23-51-5566-871
Total 00267735:					1,973.50		
00267736	1	Invoice	ENG - ELECTRIC SYSTEM COORDINATION S	04/17/2024	5,910.00	11/24	601-23-52-5588-871

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
Total 00267736:					5,910.00		
Total DGR ENGINEERING (5967):					95,970.75		
<b>DOOLITTLE OIL COMPANY, INC. (243)</b>							
81418	1	Invoice	SYN 75W90 35/1 LB PAIL	04/09/2024	373.58	11/24	603-23-70-5935-314
Total 81418:					373.58		
Total DOOLITTLE OIL COMPANY, INC. (243):					373.58		
<b>DR. ANTHONY TATMAN (6856)</b>							
5/1/2024	1	Invoice	POLICE TESTING	05/01/2024	10.00	11/24	100-21-21-5110-319
Total 5/1/2024:					10.00		
Total DR. ANTHONY TATMAN (6856):					10.00		
<b>ECHO GROUP, INC. (6306)</b>							
S010536382.	1	Invoice	PARTS/WWTP BOILER	04/08/2024	376.75	11/24	603-23-70-5652-226
Total S010536382.001:					376.75		
Total ECHO GROUP, INC. (6306):					376.75		
<b>GERBER AUTO ELECTRIC (342)</b>							
145494	1	Invoice	COOLANT TEMP SENSOR/CAR #3	04/15/2024	372.13	11/24	100-21-21-5110-227
Total 145494:					372.13		
145533	1	Invoice	SERVICE 2022 RAM	04/12/2024	87.81	11/24	100-21-21-5110-227
Total 145533:					87.81		
145653	1	Invoice	REPLACE BATTERY CABLE ENDS/GOLF CA	04/23/2024	118.48	11/24	100-23-42-5371-227
Total 145653:					118.48		
145758	1	Invoice	BATTERY/2016 NISSAN FRONTIER	05/01/2024	199.95	11/24	100-22-42-5233-314
Total 145758:					199.95		
Total GERBER AUTO ELECTRIC (342):					778.37		
<b>GORDON FLESCH COMPANY (6978)</b>							
IN14635660	1	Invoice	C5550i-PRINTER/COPIER-MGRS OFFICE	04/06/2024	13.13	11/24	100-24-12-5430-225
IN14635660	2	Invoice	C5550i-PRINTER/COPIER-MGRS OFFICE	04/06/2024	36.12	11/24	601-23-81-5931-225
IN14635660	3	Invoice	C5550i-PRINTER/COPIER-MGRS OFFICE	04/06/2024	8.21	11/24	602-23-81-5931-225
IN14635660	4	Invoice	C5550i-PRINTER/COPIER-MGRS OFFICE	04/06/2024	8.21	11/24	603-23-81-5931-225
IN14635660	5	Invoice	C5550i-PRINTER/COPIER-MGRS OFFICE	04/06/2024	5.91	11/24	100-24-14-5435-225
IN14635660	6	Invoice	C5550i-PRINTER/COPIER-MGRS OFFICE	04/06/2024	42.69	11/24	601-23-80-5931-225
IN14635660	7	Invoice	C5550i-PRINTER/COPIER-MGRS OFFICE	04/06/2024	13.13	11/24	602-23-80-5931-225
IN14635660	8	Invoice	C5550i-PRINTER/COPIER-MGRS OFFICE	04/06/2024	3.94	11/24	603-23-80-5931-225
IN14635660	9	Invoice	C5550i-PRINTER/COPIER-MGRS OFFICE	04/06/2024	5.58	11/24	100-24-30-5380-225
IN14635660	10	Invoice	C5550i-PRINTER/COPIER-MGRS OFFICE	04/06/2024	5.58	11/24	601-24-30-5380-225
IN14635660	11	Invoice	C5550i-PRINTER/COPIER-MGRS OFFICE	04/06/2024	5.58	11/24	602-24-30-5380-225
IN14635660	12	Invoice	C5550i-PRINTER/COPIER-MGRS OFFICE	04/06/2024	5.58	11/24	603-24-30-5380-225

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
IN14635660	13	Invoice	C5550i-PRINTER/COPIER-MGRS OFFICE	04/06/2024	21.67	11/24	100-21-18-5190-225
IN14635660	14	Invoice	C5550i-PRINTER/COPIER-MGRS OFFICE	04/06/2024	21.67	11/24	100-24-18-5470-225
Total IN14635660:					197.00		
IN14653924	1	Invoice	WWTP PRINTER-C350IF	04/19/2024	51.38	11/24	603-23-70-5921-316
Total IN14653924:					51.38		
Total GORDON FLESCH COMPANY (6978):					248.38		
<b>GREENLEY, STEVE (7935)</b>							
042424	1	Invoice	ELECTRIC REFUND	04/24/2024	58.24	11/24	601-23-80-5903-980
Total 042424:					58.24		
1438700413	1	Invoice	CUSTOMER DEPOSIT REFUND	04/17/2024	75.77	11/24	601-21011
Total 1438700413:					75.77		
Total GREENLEY, STEVE (7935):					134.01		
<b>HACH COMPANY (362)</b>							
13984503	1	Invoice	WTP TESTING SUPPLIES	04/03/2024	583.20	11/24	602-23-61-5642-319
Total 13984503:					583.20		
Total HACH COMPANY (362):					583.20		
<b>HAMILTON COUNTY SOLID WASTE (375)</b>							
338850	1	Invoice	LANDFILL FEES/LINE DEPT	04/12/2024	77.22	11/24	601-23-52-5588-236
Total 338850:					77.22		
338865	1	Invoice	LANDFILL FEE/OLD POLES & CROSSARMS/	04/12/2024	33.54	11/24	601-23-52-5588-236
Total 338865:					33.54		
Total HAMILTON COUNTY SOLID WASTE (375):					110.76		
<b>HARRENSTEIN, JOHN (7896)</b>							
041124	1	Invoice	CAR EXPENSE REIMBURSEMENT	04/11/2024	23.99	11/24	100-24-12-5430-227
041124	2	Invoice	CAR EXPENSE REIMBURSEMENT	04/11/2024	65.98	11/24	601-23-81-5935-227
041124	3	Invoice	CAR EXPENSE REIMBURSEMENT	04/11/2024	14.99	11/24	602-23-81-5930-227
041124	4	Invoice	CAR EXPENSE REIMBURSEMENT	04/11/2024	14.99	11/24	603-23-81-5935-227
Total 041124:					119.95		
Total HARRENSTEIN, JOHN (7896):					119.95		
<b>HAWKEYE WEST PEST CONTROL (7345)</b>							
64699	1	Invoice	PEST CONTROL STREET DEPT	04/15/2024	90.00	11/24	204-23-30-5310-318
Total 64699:					90.00		
Total HAWKEYE WEST PEST CONTROL (7345):					90.00		

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
<b>HOLMES MURPHY &amp; ASSOCIATES, LLC (5556)</b>							
765553	1	Invoice	HOLMES MURPHY FEES-MAY 2024	04/15/2024	2,450.00	11/24	902-11215
Total 765553:					2,450.00		
Total HOLMES MURPHY & ASSOCIATES, LLC (5556):					2,450.00		
<b>HOUGE, CLINT (3265)</b>							
031724	1	Invoice	ENERGY EFFICIENCY REBATE	03/17/2024	250.00	11/24	601-23-36-5930-979
Total 031724:					250.00		
Total HOUGE, CLINT (3265):					250.00		
<b>HYDRITE CHEMICAL CO. (421)</b>							
2024000026	1	Invoice	SODA ASH 47,420lbs	04/09/2024	14,439.64	11/24	602-23-61-5641-318
Total 2024000026549:					14,439.64		
Total HYDRITE CHEMICAL CO. (421):					14,439.64		
<b>HYDRO KLEAN, INC. (422)</b>							
088212	1	Invoice	SLIP LINE SANITARY SEWER/ELM STREET	04/15/2024	62,700.00	11/24	603-23-71-5673-860
Total 088212:					62,700.00		
088219	1	Invoice	TELEVISION SVCS/LYNX DEVELOPMENT	04/15/2024	681.90	11/24	204-23-30-5330-299
088219	2	Invoice	TELEVISION SVCS/LYNX DEVELOPMENT	04/15/2024	2,157.95	11/24	603-23-71-5673-229
Total 088219:					2,839.85		
Total HYDRO KLEAN, INC. (422):					65,539.85		
<b>inTANDEM (6526)</b>							
2477	1	Invoice	RETAINER/MAY 2024	03/05/2024	488.00	11/24	100-24-12-5430-299
2477	2	Invoice	RETAINER/MAY 2024	03/05/2024	1,342.00	11/24	601-23-81-5930-299
2477	3	Invoice	RETAINER/MAY 2024	03/05/2024	305.00	11/24	602-23-81-5930-299
2477	4	Invoice	RETAINER/MAY 2024	03/05/2024	305.00	11/24	603-23-81-5930-299
Total 2477:					2,440.00		
Total inTANDEM (6526):					2,440.00		
<b>INTERIOR SPACES, INC. (5977)</b>							
1-1343	1	Invoice	PASTEL SATIN EXT PAINT	04/25/2024	474.00	11/24	100-22-42-5242-880
Total 1-1343:					474.00		
1-1344	1	Invoice	SUN-PROOF PAINT/2 GALLONS	04/25/2024	118.00	11/24	100-22-42-5242-880
Total 1-1344:					118.00		
1-1345	1	Invoice	CREATE SEALER-CLEAR	04/25/2024	138.00	11/24	100-22-42-5242-880
Total 1-1345:					138.00		
Total INTERIOR SPACES, INC. (5977):					730.00		

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
<b>IOWA CHAPTER IAEI (1726)</b>							
58211+	1	Invoice	SPRING MEETING REGISTRATION/BARNES	04/03/2024	200.00	11/24	601-23-51-5926-231
Total 58211+:					200.00		
Total IOWA CHAPTER IAEI (1726):					200.00		
<b>IOWA DEPT OF PUBLIC SAFETY (468)</b>							
660	1	Invoice	FY24 QUARTERLY IOWA SYSTEM	04/19/2024	1,335.00	11/24	100-21-21-5180-225
Total 660:					1,335.00		
Total IOWA DEPT OF PUBLIC SAFETY (468):					1,335.00		
<b>IOWA FIRE CHIEFS ASSN (474)</b>							
2024	1	Invoice	MEMBERSHIP RENEWAL	05/02/2024	25.00	11/24	100-21-22-5140-215
Total 2024:					25.00		
Total IOWA FIRE CHIEFS ASSN (474):					25.00		
<b>IOWA ONE CALL (485)</b>							
260424	1	Invoice	ONE CALL SERVICES	04/23/2024	71.23	11/24	601-23-52-5930-299
260424	2	Invoice	ONE CALL SERVICES	04/23/2024	39.74	11/24	602-23-62-5662-299
260424	3	Invoice	ONE CALL SERVICES	04/23/2024	39.73	11/24	603-23-71-5662-299
Total 260424:					150.70		
Total IOWA ONE CALL (485):					150.70		
<b>IOWA STATE UNIVERSITY (495)</b>							
030624	1	Invoice	REGISTRATION EXCAVATION SAFETY TRAIN	03/06/2024	372.60	11/24	204-23-30-5310-231
030624	2	Invoice	REGISTRATION EXCAVATION SAFETY TRAIN	03/06/2024	113.40	11/24	602-23-62-5926-231
030624	3	Invoice	REGISTRATION EXCAVATION SAFETY TRAIN	03/06/2024	54.00	11/24	603-23-71-5926-231
Total 030624:					540.00		
Total IOWA STATE UNIVERSITY (495):					540.00		
<b>K &amp; H CORPORATION (538)</b>							
1307	1	Invoice	FILTER ROLLS	01/17/2024	313.82	11/24	601-23-51-5566-318
Total 1307:					313.82		
Total K & H CORPORATION (538):					313.82		
<b>K.C. NIELSEN LTD - WEBSTER CITY (7904)</b>							
10681159	1	Invoice	FUEL FILTER/GASOLINE S	04/09/2024	11.20	11/24	602-23-61-5935-314
Total 10681159:					11.20		
Total K.C. NIELSEN LTD - WEBSTER CITY (7904):					11.20		
<b>K.STEIN DESIGNS (7839)</b>							
24-065	1	Invoice	POOL MAGNET HOURS - UPDATED	04/29/2024	37.50	11/24	100-22-42-5242-318
Total 24-065:					37.50		

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
24-076	1	Invoice	CITY SHARE - WINDOW DECALS	05/01/2024	364.10	11/24	100-23-36-5397-299
24-076	2	Invoice	CITY SHARE - WINDOW DECALS	05/01/2024	364.09	11/24	601-23-36-5397-299
Total 24-076:					728.19		
Total K.STEIN DESIGNS (7839):					765.69		
<b>LAMPERT LUMBER (564)</b>							
2408470-019	1	Invoice	FLOOR PAINT/NOKOMIS PARK BATHROOM	04/10/2024	49.99	11/24	100-22-42-5210-310
Total 2408470-019:					49.99		
2418028	1	Invoice	MAILBOX	04/15/2024	39.99	11/24	204-23-30-5320-318
Total 2418028:					39.99		
Total LAMPERT LUMBER (564):					89.98		
<b>LAW ENFORCEMENT TARGETS, INC. (7933)</b>							
0594505-IN	1	Invoice	ILEA QTT TARGETS	04/24/2024	213.08	11/24	100-21-21-5110-318
Total 0594505-IN:					213.08		
Total LAW ENFORCEMENT TARGETS, INC. (7933):					213.08		
<b>LEE, DANIEL (5222)</b>							
022524	1	Invoice	ENERGY EFFICIENCY REBATE	02/25/2024	75.00	11/24	601-23-36-5930-979
022524	2	Invoice	CB EE RESIDENTIAL REBATE	02/25/2024	25.00	11/24	601-23-53-5930-979
Total 022524:					100.00		
Total LEE, DANIEL (5222):					100.00		
<b>LEWKE, KAREN (7882)</b>							
062823	1	Invoice	CB EE RESIDENTIAL REBATE	06/28/2023	25.00	11/24	601-23-53-5930-979
Total 062823:					25.00		
Total LEWKE, KAREN (7882):					25.00		
<b>LINCOLN NATL LIFE INSURANCE CO (3031)</b>							
042024	1	Invoice	LIFE INSURANCE PREMIUMS	04/20/2024	1,564.41	11/24	902-11215
Total 042024:					1,564.41		
Total LINCOLN NATL LIFE INSURANCE CO (3031):					1,564.41		
<b>LOFTUS, NICK (7928)</b>							
031924	1	Invoice	ENERGY EFFICIENCY REBATE	03/19/2024	250.00	11/24	601-23-36-5930-979
031924	2	Invoice	CB EE INSULATION REBATE	03/19/2024	164.72	11/24	601-23-53-5930-979
Total 031924:					414.72		
Total LOFTUS, NICK (7928):					414.72		
<b>MACQUEEN EQUIPMENT (5144)</b>							
WO4674	1	Invoice	SERVICE STREET SWEEPER	04/23/2024	3,199.58	11/24	100-23-30-5350-227

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
Total WO4674:					3,199.58		
Total MACQUEEN EQUIPMENT (5144):					3,199.58		
<b>MARCOS, ABRAHAM CETO (7833)</b>							
911120406	1	Invoice	CUSTOMER DEPOSIT REFUND	04/10/2024	251.42	11/24	601-21011
Total 911120406:					251.42		
Total MARCOS, ABRAHAM CETO (7833):					251.42		
<b>MAXWELL, MICHELLE (7326)</b>							
112023	1	Invoice	EE LED LIGHTING REBATE	11/20/2023	42.78	11/24	601-23-36-5930-979
Total 112023:					42.78		
Total MAXWELL, MICHELLE (7326):					42.78		
<b>MC CLURE ENGINEERING CO. (7469)</b>							
151405	1	Invoice	RECONSTRUCT AIRFIELD LIGHTING & NAVA	03/31/2024	913.34	11/24	205-23-45-5372-880
Total 151405:					913.34		
151407	1	Invoice	FFA AIP No.3-19-0097-021-2003 FAA BILAIG 3-	03/31/2024	726.01	11/24	205-23-45-5372-880
Total 151407:					726.01		
Total MC CLURE ENGINEERING CO. (7469):					1,639.35		
<b>MEDIACOM (5464)</b>							
041624	1	Invoice	DIGITAL BOX RENTAL	04/16/2024	7.86	11/24	100-21-21-5110-230
Total 041624:					7.86		
Total MEDIACOM (5464):					7.86		
<b>MENARDS (622)</b>							
09316	1	Invoice	DRAIN SPADE/SHIMS	04/12/2024	112.94	11/24	603-23-71-5662-318
Total 09316:					112.94		
09928	1	Invoice	REFRIGERATOR FOR LAB SAMPLES/WWTP	04/23/2024	599.99	11/24	603-23-70-5642-319
Total 09928:					599.99		
Total MENARDS (622):					712.93		
<b>MIDAMERICAN ENERGY (629)</b>							
552533981	1	Invoice	BOOSTER STATION ELECTRICITY	04/29/2024	156.90	11/24	602-23-62-5662-237
Total 552533981:					156.90		
Total MIDAMERICAN ENERGY (629):					156.90		
<b>MID-IOWA GARAGE DOOR, LLS (6997)</b>							
1025	1	Invoice	REPLACE (2) OVERHEAD DOORS	04/19/2024	15,696.90	11/24	601-23-52-5591-226



Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
Total 1025:					15,696.90		
1026	1	Invoice	REPLACE OPERATOR DRIVE PULLEY	04/19/2024	101.65	11/24	601-23-52-5935-227
Total 1026:					101.65		
Total MID-IOWA GARAGE DOOR, LLS (6997):					15,798.55		
<b>MOORE CLEANING SERVICE, LLC (2902)</b>							
050224	1	Invoice	CLEANING SERVICES FOR CITY HALL	05/02/2024	455.00	11/24	100-24-36-5480-299
050224	2	Invoice	CLEANING SERVICES FOR CITY HALL	05/02/2024	325.00	11/24	601-23-36-5480-299
050224	3	Invoice	CLEANING SERVICES FOR CITY HALL	05/02/2024	260.00	11/24	602-23-36-5480-299
050224	4	Invoice	CLEANING SERVICES FOR CITY HALL	05/02/2024	260.00	11/24	603-23-36-5480-299
Total 050224:					1,300.00		
4460	1	Invoice	STRIP/SEAL FINISH/CARPET CLEANING-SR	04/17/2024	1,127.50	11/24	100-22-42-5280-226
Total 4460:					1,127.50		
Total MOORE CLEANING SERVICE, LLC (2902):					2,427.50		
<b>MOTOROLA SOLUTIONS, INC. (5413)</b>							
8281755224	1	Invoice	PORTABLE/MOBILE RADIOS	11/10/2023	276.74	11/24	100-41-22-5140-515
Total 8281755224:					276.74		
8281755297	1	Invoice	PORTABLE/MOBILE RADIOS	11/10/2023	197.10	11/24	100-41-22-5140-515
Total 8281755297:					197.10		
8281778624	1	Invoice	PORTABLE/MOBILE RADIOS	12/09/2023	272.30	11/24	100-41-22-5140-515
Total 8281778624:					272.30		
8281825291	1	Invoice	PORTABLE/MOBILE RADIOS	02/21/2024	10,374.32	11/24	100-41-22-5140-515
Total 8281825291:					10,374.32		
Total MOTOROLA SOLUTIONS, INC. (5413):					11,120.46		
<b>MUNICIPAL SUPPLY, INC. (672)</b>							
MULTIPLE	1	Invoice	AMI - WATER MATERIALS	05/02/2024	154,266.70	11/24	602-23-62-5935-870
MULTIPLE	2	Invoice	AMI - WATER MATERIALS	05/02/2024	109,330.00	11/24	602-23-62-5935-870
MULTIPLE	3	Invoice	AMI - WATER MATERIALS	05/02/2024	118,104.66	11/24	602-23-62-5935-870
MULTIPLE	4	Invoice	AMI - WATER MATERIALS	05/02/2024	37,881.66	11/24	602-23-62-5935-870
MULTIPLE	5	Invoice	AMI - WATER MATERIALS	05/02/2024	67,040.00	11/24	602-23-62-5935-870
MULTIPLE	6	Invoice	AMI - ELECTRIC MATERIALS	05/02/2024	34,944.00	11/24	601-23-52-5586-871
MULTIPLE	7	Invoice	AMI - WATER MATERIALS	05/02/2024	1,080.00	11/24	602-23-62-5935-870
Total MULTIPLE:					522,647.02		
Total MUNICIPAL SUPPLY, INC. (672):					522,647.02		
<b>MUNICO CORP (7913)</b>							
122396A	1	Invoice	CHANNELIZER CONES/RUBBER BASES	04/30/2024	1,132.30	11/24	100-21-30-5120-318

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
Total 122396A:					1,132.30		
Total MUNICO CORP (7913):					1,132.30		
<b>NAPA AUTO PARTS (677)</b>							
982662	1	Invoice	FLUID FILTER FOR MOWER	04/08/2024	9.47	11/24	602-23-61-5935-314
Total 982662:					9.47		
983365	1	Invoice	FLUID FILTER/SYN OIL	04/18/2024	59.21	11/24	204-23-30-5310-315
Total 983365:					59.21		
983842	1	Invoice	SYN 5W30 (24 QTS)	04/26/2024	107.76	11/24	204-23-30-5310-315
Total 983842:					107.76		
Total NAPA AUTO PARTS (677):					176.44		
<b>NCL OF WISCONSIN, INC. (687)</b>							
502361	1	Invoice	LAB SUPPLIES	04/12/2024	708.01	11/24	603-23-70-5642-319
Total 502361:					708.01		
502529	1	Invoice	QA/QC STANDARD	04/16/2024	99.20	11/24	603-23-70-5642-319
Total 502529:					99.20		
Total NCL OF WISCONSIN, INC. (687):					807.21		
<b>PACKTRACK (7759)</b>							
145692	1	Invoice	YEARLY HANDLER SUBSCRIPTION	04/27/2024	140.00	11/24	100-21-21-5110-215
Total 145692:					140.00		
Total PACKTRACK (7759):					140.00		
<b>PASKEY, RACHEL (7925)</b>							
111423	1	Invoice	EE REBATE/LED BULBS	11/14/2023	14.82	11/24	601-23-36-5930-979
111423	2	Invoice	CB LED LIGHTING REBATE	11/14/2023	120.00	11/24	601-23-53-5930-979
Total 111423:					134.82		
Total PASKEY, RACHEL (7925):					134.82		
<b>PATEK HOSPITALITY CONSULTANTS, INC. (7939)</b>							
050324	1	Invoice	HOTEL DEVELOPMENT STUDY	05/03/2024	2,250.00	11/24	100-23-36-5397-299
050324	2	Invoice	HOTEL DEVELOPMENT STUDY	05/03/2024	2,250.00	11/24	601-23-36-5397-299
Total 050324:					4,500.00		
Total PATEK HOSPITALITY CONSULTANTS, INC. (7939):					4,500.00		
<b>PEPSI-COLA (7435)</b>							
44303007	1	Invoice	POP & GATORADE FOR RESALE-FULLER HA	04/23/2024	390.78	11/24	100-22-42-5233-323

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
Total 44303007:					390.78		
Total PEPSI-COLA (7435):					390.78		
<b>PITNEY BOWES BANK INC RESERVE ACCT (758)</b>							
050224	1	Invoice	PREPAID POSTAGE	05/02/2024	3,000.00	11/24	100-11210
Total 050224:					3,000.00		
Total PITNEY BOWES BANK INC RESERVE ACCT (758):					3,000.00		
<b>POLICE LEGAL SCIENCES, INC. (2907)</b>							
12441	1	Invoice	DISPATCH PRO LESSON PACKAGE	02/08/2024	840.00	11/24	100-21-21-5180-231
Total 12441:					840.00		
12442	1	Invoice	2023 LEGAL UPDATE 16 LESSON PACKAGE	02/08/2024	2,080.00	11/24	100-21-21-5110-231
Total 12442:					2,080.00		
Total POLICE LEGAL SCIENCES, INC. (2907):					2,920.00		
<b>POWERSCHOOL GROUP LLC (7930)</b>							
INV384706	1	Invoice	MASS COMMUNICATION DEPLOYMENT	02/01/2024	1,022.90	11/24	100-24-30-5380-318
INV384706	2	Invoice	MASS COMMUNICATION DEPLOYMENT	02/01/2024	1,022.90	11/24	601-24-30-5380-318
INV384706	3	Invoice	MASS COMMUNICATION DEPLOYMENT	02/01/2024	1,022.90	11/24	602-24-30-5380-318
INV384706	4	Invoice	MASS COMMUNICATION DEPLOYMENT	02/01/2024	1,022.90	11/24	603-24-30-5380-318
Total INV384706:					4,091.60		
Total POWERSCHOOL GROUP LLC (7930):					4,091.60		
<b>QUILL LLC (7936)</b>							
38243118	1	Invoice	COPY PAPER/COLORED PAPER	04/17/2024	18.09	11/24	100-24-12-5430-316
38243118	2	Invoice	COPY PAPER/COLORED PAPER	04/17/2024	49.74	11/24	601-23-81-5921-316
38243118	3	Invoice	COPY PAPER/COLORED PAPER	04/17/2024	11.31	11/24	602-23-81-5921-316
38243118	4	Invoice	COPY PAPER/COLORED PAPER	04/17/2024	11.30	11/24	603-23-81-5921-316
Total 38243118:					90.44		
Total QUILL LLC (7936):					90.44		
<b>RAMIREZ, JACINTO (7937)</b>							
511220012	1	Invoice	CUSTOMER DEPOSIT REFUND	04/12/2024	177.99	11/24	601-21011
Total 511220012:					177.99		
Total RAMIREZ, JACINTO (7937):					177.99		
<b>RELIANT FIRE APPARATUS, INC. (5088)</b>							
5CI000123	1	Invoice	E32 VALVE REPAIR	04/15/2024	158.01	11/24	100-21-22-5140-227
Total 5CI000123:					158.01		
Total RELIANT FIRE APPARATUS, INC. (5088):					158.01		

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
<b>RESCO (812)</b>							
3028780	1	Invoice	BLUE MARKING PAINT	04/08/2024	126.68	11/24	602-23-62-5662-318
3028780	2	Invoice	GREEN MARKING PAINT	04/08/2024	126.68	11/24	603-23-71-5662-318
Total 3028780:					253.36		
Total RESCO (812):					253.36		
<b>REYNOLDS, BRENDAN (7923)</b>							
042924	1	Invoice	ELECTRIC REFUND	04/29/2024	54.47	11/24	601-23-80-5903-980
Total 042924:					54.47		
Total REYNOLDS, BRENDAN (7923):					54.47		
<b>RICOH USA, INC. (4831)</b>							
108200585	1	Invoice	COPY MACHINE LEASE/COPY CHARGES/PD	04/10/2024	165.84	11/24	100-21-21-5110-225
Total 108200585:					165.84		
Total RICOH USA, INC. (4831):					165.84		
<b>RIVER CITY COMMUNICATIONS, INC (818)</b>							
103474	1	Invoice	HANDSET, ON-HOLD EQUIPMENT/CITY HALL	04/24/2024	292.60	11/24	100-24-36-5480-226
103474	2	Invoice	HANDSET, ON-HOLD EQUIPMENT/CITY HALL	04/24/2024	209.00	11/24	601-23-36-5480-226
103474	3	Invoice	HANDSET, ON-HOLD EQUIPMENT/CITY HALL	04/24/2024	167.20	11/24	602-23-36-5480-226
103474	4	Invoice	HANDSET, ON-HOLD EQUIPMENT/CITY HALL	04/24/2024	167.20	11/24	603-23-36-5480-226
103474	5	Invoice	4 PORT GRANDSTREAM UNIT/CHARGER-FU	04/24/2024	252.50	11/24	100-22-42-5233-230
Total 103474:					1,088.50		
Total RIVER CITY COMMUNICATIONS, INC (818):					1,088.50		
<b>ROBERTS, RANDE (7927)</b>							
020824	1	Invoice	ENERGY EFFICIENCY REBATE	02/08/2024	125.00	11/24	601-23-36-5930-979
Total 020824:					125.00		
Total ROBERTS, RANDE (7927):					125.00		
<b>SAFARILAND, LLC (7541)</b>							
I24-041859	1	Invoice	MAGAZINE HOLDER/MISC	03/11/2024	526.00	11/24	100-21-21-5110-312
Total I24-041859:					526.00		
I24-055593	1	Invoice	HARDWARE KIT	04/02/2024	84.00	11/24	100-21-21-5110-318
Total I24-055593:					84.00		
I24-057259	1	Invoice	ECHELON X300U STX TAC	04/04/2024	376.00	11/24	100-21-21-5110-312
Total I24-057259:					376.00		
I24-064947	1	Invoice	SAF343126 BLK RH	04/17/2024	208.00	11/24	100-21-21-5110-312
Total I24-064947:					208.00		

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
Total SAFARILAND, LLC (7541):					1,194.00		
<b>SANTIAGO, MARIA RAMIREZ (7938)</b>							
041924	1	Invoice	METER DEPOSIT REFUND	04/19/2024	125.00	11/24	601-21011
Total 041924:					125.00		
315593618	1	Invoice	CUSTOMER DEPOSIT REFUND	04/23/2024	51.76	11/24	601-21011
Total 315593618:					51.76		
Total SANTIAGO, MARIA RAMIREZ (7938):					176.76		
<b>SCULLY SERVICES LLC (7924)</b>							
408	1	Invoice	CLEAN OUT PRIMARY CLARIFIERS	04/12/2024	905.00	11/24	603-23-70-5652-229
Total 408:					905.00		
Total SCULLY SERVICES LLC (7924):					905.00		
<b>SHEFVELAND, JOHN &amp; DIANE (5022)</b>							
040924	1	Invoice	ENERGY EFFICIENCY REBATE	04/09/2024	250.00	11/24	601-23-36-5930-979
Total 040924:					250.00		
Total SHEFVELAND, JOHN & DIANE (5022):					250.00		
<b>SKARSHAUG TESTING LAB, INC. (878)</b>							
276378	1	Invoice	CLEAN & TEST PROTECTIVE EQUIPMENT	04/04/2024	3,734.75	11/24	601-23-52-5935-227
Total 276378:					3,734.75		
Total SKARSHAUG TESTING LAB, INC. (878):					3,734.75		
<b>SNYDER &amp; ASSOCIATES (2951)</b>							
123.1117.01-	1	Invoice	ENG - 2024 HMA ST IMPROVEMENTS 9-24-01	04/25/2024	2,947.64	11/24	525-23-30-5310-212
Total 123.1117.01-4:					2,947.64		
124.0071.01-	1	Invoice	ON CALL ENG SVC 2024	04/19/2024	12,386.50	11/24	204-23-30-5310-212
Total 124.0071.01-2:					12,386.50		
Total SNYDER & ASSOCIATES (2951):					15,334.14		
<b>STAR EQUIPMENT, LTD (2002)</b>							
511005	1	Invoice	SUBMERSIBLE PUMP/OD POOL	04/11/2024	526.00	11/24	100-22-42-5242-318
Total 511005:					526.00		
Total STAR EQUIPMENT, LTD (2002):					526.00		
<b>STEIN HEATING &amp; COOLING, INC. (5576)</b>							
16587	1	Invoice	INSTALL BACKPRESSURE RELIEF VALVES-	04/11/2024	1,856.00	11/24	602-23-61-5642-299
Total 16587:					1,856.00		

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
Total STEIN HEATING & COOLING, INC. (5576):					1,856.00		
<b>STORM FLYING SERVICE, INC. (911)</b>							
042324	1	Invoice	AIRPORT MANAGER FEE - APRIL 2024	04/23/2024	4,166.94	11/24	205-23-45-5372-299
Total 042324:					4,166.94		
Total STORM FLYING SERVICE, INC. (911):					4,166.94		
<b>STREICHER'S (917)</b>							
I1695409	1	Invoice	9MM PISTOL	04/23/2024	662.73	11/24	100-21-21-5110-312
Total I1695409:					662.73		
Total STREICHER'S (917):					662.73		
<b>STUART C. IRBY COMPANY (3585)</b>							
S013868216.	1	Invoice	METER SOCKET	04/03/2024	1,239.06	11/24	601-23-52-5588-318
Total S013868216.001:					1,239.06		
Total STUART C. IRBY COMPANY (3585):					1,239.06		
<b>THE IOWA OUTDOORS STORE, LLC (7104)</b>							
9091/1	1	Invoice	ARIENS PULLEY FLAT IDLER 5"	04/23/2024	51.90	11/24	100-22-42-5210-314
Total 9091/1:					51.90		
Total THE IOWA OUTDOORS STORE, LLC (7104):					51.90		
<b>THE PAVEMENT DOCTOR (1483)</b>							
1208	1	Invoice	SPRAY INJECTION PATCHING/CITY STREET	04/24/2024	20,000.00	11/24	204-23-30-5310-299
Total 1208:					20,000.00		
Total THE PAVEMENT DOCTOR (1483):					20,000.00		
<b>T-MOBILE (7288)</b>							
973411563 0	1	Invoice	PHONE SVC/INSPECTION	04/21/2024	25.80	11/24	100-21-18-5190-230
973411563 0	2	Invoice	PHONE SVC/PD CAR PHONES	04/21/2024	154.80	11/24	100-21-21-5110-230
973411563 0	3	Invoice	PHONE SVC/INVESTIGATOR	04/21/2024	33.46	11/24	100-21-21-5110-230
973411563 0	4	Invoice	TABLET-BASINGER/MORK-NUISANCES	04/21/2024	52.52	11/24	100-21-18-5190-230
973411563 0	5	Invoice	TOUGHBOOKS	04/21/2024	253.20	11/24	100-21-21-5110-230
973411563 0	6	Invoice	ST DEPT (LOCATES)	04/21/2024	10.69	11/24	204-23-30-5310-230
973411563 0	7	Invoice	ST DEPT (LOCATES)	04/21/2024	10.68	11/24	602-23-62-5662-230
973411563 0	8	Invoice	INSPECTION IPAD SVC	04/21/2024	21.37	11/24	100-21-18-5190-230
973411563 0	9	Invoice	HOT SPOT - BETH	04/21/2024	6.23	11/24	100-24-12-5430-230
973411563 0	10	Invoice	HOT SPOT - BETH	04/21/2024	17.13	11/24	601-23-81-5921-230
973411563 0	11	Invoice	HOT SPOT - BETH	04/21/2024	3.90	11/24	602-23-81-5921-230
973411563 0	12	Invoice	HOT SPOT - BETH	04/21/2024	3.89	11/24	603-23-81-5921-230
Total 973411563 04/21/24:					593.67		
974816802 0	1	Invoice	PHONE SVC/ORTON	04/21/2024	14.99	11/24	601-23-52-5588-230
974816802 0	2	Invoice	PHONE SVC/ORTON	04/21/2024	14.98	11/24	601-23-51-5566-230
974816802 0	3	Invoice	PHONE SVC/ARIEL	04/21/2024	46.15	11/24	100-24-18-5470-230
974816802 0	4	Invoice	PHONE SVC/BRANDON	04/21/2024	40.19	11/24	204-23-30-5310-230
974816802 0	5	Invoice	PHONE SVC/BREANNE	04/21/2024	15.39	11/24	100-22-42-5210-230

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
974816802 0	6	Invoice	PHONE SVC/BREANNE	04/21/2024	15.38	11/24	100-22-42-5233-230
974816802 0	7	Invoice	PHONE SVC/BREANNE	04/21/2024	15.38	11/24	100-23-42-5371-230
974816802 0	8	Invoice	PHONE SVC/JAKE RODEN	04/21/2024	34.33	11/24	100-23-42-5371-230
974816802 0	9	Invoice	PHONE SVC/JAKE RODEN	04/21/2024	34.33	11/24	100-22-42-5210-230
974816802 0	10	Invoice	ON-CALL PHONE SVC/WATER	04/21/2024	44.44	11/24	602-23-61-5642-230
974816802 0	11	Invoice	ON-CALL PHONE SVC/WWTP	04/21/2024	44.44	11/24	603-23-70-5642-230
974816802 0	12	Invoice	PHONE SVC/NICK	04/21/2024	22.22	11/24	602-23-61-5642-230
974816802 0	13	Invoice	PHONE SVC/NICK	04/21/2024	22.22	11/24	603-23-70-5642-230
974816802 0	14	Invoice	PHONE SVC/INTERIM CITY MGR	04/21/2024	13.73	11/24	100-24-12-5430-230
974816802 0	15	Invoice	PHONE SVC/INTERIM CITY MGR	04/21/2024	37.76	11/24	601-23-81-5921-230
974816802 0	16	Invoice	PHONE SVC/INTERIM CITY MGR	04/21/2024	8.58	11/24	602-23-81-5921-230
974816802 0	17	Invoice	PHONE SVC/INTERIM CITY MGR	04/21/2024	8.58	11/24	603-23-81-5921-230
974816802 0	18	Invoice	SCADA TABLET	04/21/2024	19.97	11/24	602-23-61-5642-230
974816802 0	19	Invoice	METER IPAD SVC	04/21/2024	9.98	11/24	602-23-80-5902-299
974816802 0	20	Invoice	METER IPAD SVC	04/21/2024	9.99	11/24	601-23-80-5905-299
974816802 0	21	Invoice	RIGHT OF WAY IPAD SVC	04/21/2024	4.99	11/24	100-24-30-5380-230
974816802 0	22	Invoice	RIGHT OF WAY IPAD SVC	04/21/2024	4.99	11/24	601-24-30-5380-230
974816802 0	23	Invoice	RIGHT OF WAY IPAD SVC	04/21/2024	4.99	11/24	602-24-30-5380-230
974816802 0	24	Invoice	RIGHT OF WAY IPAD SVC	04/21/2024	5.00	11/24	603-24-30-5380-230
974816802 0	25	Invoice	CAMERAS	04/21/2024	9.99	11/24	100-24-16-5420-215
974816802 0	26	Invoice	CAMERAS	04/21/2024	9.99	11/24	601-24-16-5930-215
974816802 0	27	Invoice	CAMERAS	04/21/2024	9.98	11/24	602-24-16-5930-215
974816802 0	28	Invoice	CAMERAS	04/21/2024	9.98	11/24	603-24-16-5930-215
974816802 0	29	Invoice	STREET IPAD SVC	04/21/2024	39.94	11/24	204-23-30-5310-230
974816802 0	30	Invoice	STREET IPAD SVC	04/21/2024	39.93	11/24	602-23-62-5662-230
Total 974816802 04/21/24:					612.81		
Total T-MOBILE (7288):					1,206.48		
<b>TOLLE AUTOMOTIVE, INC. (3188)</b>							
1289	1	Invoice	TIRE TUBE/MOUNT-CEMETERY	04/19/2024	30.35	11/24	100-23-42-5371-226
Total 1289:					30.35		
Total TOLLE AUTOMOTIVE, INC. (3188):					30.35		
<b>TOWN &amp; COUNTRY INSURANCE (959)</b>							
7060	1	Invoice	CYBER SOLUTIONS RENEWAL	03/29/2024	295.37	11/24	207-21-18-5190-217
7060	2	Invoice	CYBER SOLUTIONS RENEWAL	03/29/2024	298.68	11/24	207-21-21-5110-217
7060	3	Invoice	CYBER SOLUTIONS RENEWAL	03/29/2024	295.37	11/24	207-21-22-5140-217
7060	4	Invoice	CYBER SOLUTIONS RENEWAL	03/29/2024	311.44	11/24	207-22-42-5233-217
7060	5	Invoice	CYBER SOLUTIONS RENEWAL	03/29/2024	295.37	11/24	207-23-42-5371-217
7060	6	Invoice	CYBER SOLUTIONS RENEWAL	03/29/2024	295.37	11/24	207-24-11-5410-217
7060	7	Invoice	CYBER SOLUTIONS RENEWAL	03/29/2024	295.37	11/24	207-24-12-5430-217
7060	8	Invoice	CYBER SOLUTIONS RENEWAL	03/29/2024	470.70	11/24	207-24-14-5435-217
7060	9	Invoice	CYBER SOLUTIONS RENEWAL	03/29/2024	295.37	11/24	207-24-18-5470-217
7060	10	Invoice	CYBER SOLUTIONS RENEWAL	03/29/2024	295.37	11/24	207-24-30-5380-217
7060	11	Invoice	CYBER SOLUTIONS RENEWAL	03/29/2024	295.37	11/24	204-23-30-5310-217
7060	12	Invoice	CYBER SOLUTIONS RENEWAL	03/29/2024	295.37	11/24	601-23-51-5925-217
7060	13	Invoice	CYBER SOLUTIONS RENEWAL	03/29/2024	295.37	11/24	601-23-52-5925-217
7060	14	Invoice	CYBER SOLUTIONS RENEWAL	03/29/2024	3,354.46	11/24	601-23-80-5925-217
7060	15	Invoice	CYBER SOLUTIONS RENEWAL	03/29/2024	295.37	11/24	602-23-61-5925-217
7060	16	Invoice	CYBER SOLUTIONS RENEWAL	03/29/2024	941.40	11/24	602-23-80-5925-217
7060	17	Invoice	CYBER SOLUTIONS RENEWAL	03/29/2024	295.37	11/24	603-23-70-5925-217
7060	18	Invoice	CYBER SOLUTIONS RENEWAL	03/29/2024	530.73	11/24	603-23-80-5925-217

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
Total 7060:					9,451.85		
7065	1	Invoice	COMM PROPERTY RENEWAL	04/05/2024	509.94	11/24	207-24-12-5430-216
7065	2	Invoice	COMM PROPERTY RENEWAL	04/05/2024	2,227.62	11/24	207-24-36-5480-216
7065	3	Invoice	COMM PROPERTY RENEWAL	04/05/2024	335.49	11/24	207-24-16-5420-216
7065	4	Invoice	COMM PROPERTY RENEWAL	04/05/2024	3,596.40	11/24	207-21-21-5110-216
7065	5	Invoice	COMM PROPERTY RENEWAL	04/05/2024	308.65	11/24	207-21-18-5190-216
7065	6	Invoice	COMM PROPERTY RENEWAL	04/05/2024	308.65	11/24	207-24-30-5380-216
7065	7	Invoice	COMM PROPERTY RENEWAL	04/05/2024	308.65	11/24	207-24-18-5470-216
7065	8	Invoice	COMM PROPERTY RENEWAL	04/05/2024	1,127.23	11/24	601-23-81-5924-216
7065	9	Invoice	COMM PROPERTY RENEWAL	04/05/2024	1,127.23	11/24	601-23-80-5924-216
7065	10	Invoice	COMM PROPERTY RENEWAL	04/05/2024	509.94	11/24	601-23-36-5924-216
7065	11	Invoice	COMM PROPERTY RENEWAL	04/05/2024	335.49	11/24	601-24-16-5924-216
7065	12	Invoice	COMM PROPERTY RENEWAL	04/05/2024	3,073.04	11/24	207-21-22-5140-216
7065	13	Invoice	COMM PROPERTY RENEWAL	04/05/2024	9,608.29	11/24	601-23-52-5924-216
7065	14	Invoice	COMM PROPERTY RENEWAL	04/05/2024	1,623.75	11/24	207-22-42-5221-216
7065	15	Invoice	COMM PROPERTY RENEWAL	04/05/2024	1,798.20	11/24	207-22-42-5210-216
7065	16	Invoice	COMM PROPERTY RENEWAL	04/05/2024	10,601.33	11/24	207-22-42-5233-216
7065	17	Invoice	COMM PROPERTY RENEWAL	04/05/2024	1,395.62	11/24	207-22-42-5242-216
7065	18	Invoice	COMM PROPERTY RENEWAL	04/05/2024	1,194.33	11/24	207-22-42-5280-216
7065	19	Invoice	COMM PROPERTY RENEWAL	04/05/2024	469.68	11/24	207-23-42-5371-216
7065	20	Invoice	COMM PROPERTY RENEWAL	04/05/2024	24,986.86	11/24	603-23-70-5924-216
7065	21	Invoice	COMM PROPERTY RENEWAL	04/05/2024	2,254.46	11/24	204-23-30-5310-216
7065	22	Invoice	COMM PROPERTY RENEWAL	04/05/2024	335.49	11/24	602-23-36-5924-216
7065	23	Invoice	COMM PROPERTY RENEWAL	04/05/2024	335.49	11/24	602-24-16-5924-216
7065	24	Invoice	COMM PROPERTY RENEWAL	04/05/2024	27,536.61	11/24	602-23-61-5924-216
7065	25	Invoice	COMM PROPERTY RENEWAL	04/05/2024	7,904.03	11/24	602-23-60-5924-216
7065	26	Invoice	COMM PROPERTY RENEWAL	04/05/2024	3,247.49	11/24	205-23-45-5372-216
7065	27	Invoice	COMM PROPERTY RENEWAL	04/05/2024	9,608.29	11/24	601-23-51-5924-216
7065	28	Invoice	COMM PROPERTY RENEWAL	04/05/2024	16,331.41	11/24	601-23-36-5393-216
7065	29	Invoice	COMM PROPERTY RENEWAL	04/05/2024	335.49	11/24	603-23-36-5924-216
7065	30	Invoice	COMM PROPERTY RENEWAL	04/05/2024	335.49	11/24	603-24-16-5924-216
7065	31	Invoice	COMM PROPERTY RENEWAL	04/05/2024	523.36	11/24	207-23-43-5361-216
7065	32	Invoice	INLAND MARINE RENEWAL	04/05/2024	383.98	11/24	207-21-22-5140-216
7065	33	Invoice	INLAND MARINE RENEWAL	04/05/2024	238.10	11/24	207-22-42-5210-216
7065	34	Invoice	INLAND MARINE RENEWAL	04/05/2024	500.00	11/24	207-22-42-5221-216
7065	35	Invoice	INLAND MARINE RENEWAL	04/05/2024	238.10	11/24	207-22-42-5233-216
7065	36	Invoice	INLAND MARINE RENEWAL	04/05/2024	1,187.23	11/24	204-23-30-5310-216
7065	37	Invoice	INLAND MARINE RENEWAL	04/05/2024	286.59	11/24	204-23-30-5320-216
7065	38	Invoice	INLAND MARINE RENEWAL	04/05/2024	558.00	11/24	601-23-51-5924-216
7065	39	Invoice	INLAND MARINE RENEWAL	04/05/2024	558.00	11/24	601-23-52-5924-216
7065	40	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	454.67	11/24	207-21-18-5190-217
7065	41	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	4,420.36	11/24	207-21-21-5110-217
7065	42	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	1,130.35	11/24	207-21-21-5180-217
7065	43	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	3,668.90	11/24	207-21-22-5140-217
7065	44	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	865.13	11/24	207-22-42-5210-217
7065	45	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	1,332.42	11/24	207-22-42-5221-217
7065	46	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	1,572.39	11/24	207-22-42-5233-217
7065	47	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	1,262.96	11/24	207-22-42-5242-217
7065	48	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	391.52	11/24	207-22-42-5251-217
7065	49	Invoice	COMM PROPERTY RENEWAL	04/05/2024	1,452.40	11/24	207-23-42-5371-217
7065	50	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	265.22	11/24	207-24-12-5430-217
7065	51	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	208.39	11/24	207-24-14-5435-217
7065	52	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	208.39	11/24	207-24-18-5470-217
7065	53	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	385.20	11/24	207-24-30-5380-217
7065	54	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	214.70	11/24	207-24-36-5480-217
7065	55	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	2,847.97	11/24	204-23-30-5310-217



Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
7065	56	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	359.94	11/24	204-23-30-5320-217
7065	57	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	69.46	11/24	204-23-30-5330-217
7065	58	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	138.93	11/24	207-23-30-5350-217
7065	59	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	12,073.90	11/24	601-23-51-5925-217
7065	60	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	11,966.55	11/24	601-23-52-5925-217
7065	61	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	1,894.44	11/24	601-23-52-5924-217
7065	62	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	1,768.14	11/24	601-23-80-5925-217
7065	63	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	903.02	11/24	601-23-81-5925-217
7065	64	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	1,629.22	11/24	602-23-60-5925-217
7065	65	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	6,100.10	11/24	602-23-61-5925-217
7065	66	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	1,124.03	11/24	602-23-62-5925-217
7065	67	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	871.44	11/24	602-23-80-5925-217
7065	68	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	536.76	11/24	602-23-81-5925-217
7065	69	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	2,456.45	11/24	603-23-70-5925-217
7065	70	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	366.26	11/24	603-23-71-5925-217
7065	71	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	126.30	11/24	603-23-80-5925-217
7065	72	Invoice	COMM GENERAL LIABILITY RENEWAL	04/05/2024	82.09	11/24	603-23-81-5925-217
7065	73	Invoice	BUSINESS AUTO RENEWAL	04/05/2024	12,842.00	11/24	207-21-21-5110-216
7065	74	Invoice	BUSINESS AUTO RENEWAL	04/05/2024	4,762.00	11/24	207-21-22-5140-216
7065	75	Invoice	BUSINESS AUTO RENEWAL	04/05/2024	1,153.00	11/24	207-21-18-5190-216
7065	76	Invoice	BUSINESS AUTO RENEWAL	04/05/2024	698.70	11/24	603-23-71-5924-216
7065	77	Invoice	BUSINESS AUTO RENEWAL	04/05/2024	698.70	11/24	204-23-30-5330-216
7065	78	Invoice	BUSINESS AUTO RENEWAL	04/05/2024	698.70	11/24	207-23-30-5350-216
7065	79	Invoice	BUSINESS AUTO RENEWAL	04/05/2024	3,493.50	11/24	204-23-30-5320-216
7065	80	Invoice	BUSINESS AUTO RENEWAL	04/05/2024	6,287.67	11/24	204-23-30-5310-216
7065	81	Invoice	BUSINESS AUTO RENEWAL	04/05/2024	2,096.10	11/24	602-23-62-5924-216
7065	82	Invoice	BUSINESS AUTO RENEWAL	04/05/2024	2,509.50	11/24	207-22-42-5210-216
7065	83	Invoice	BUSINESS AUTO RENEWAL	04/05/2024	650.00	11/24	207-22-42-5233-216
7065	84	Invoice	BUSINESS AUTO RENEWAL	04/05/2024	1,075.50	11/24	207-23-42-5371-216
7065	85	Invoice	BUSINESS AUTO RENEWAL	04/05/2024	2,514.00	11/24	602-23-61-5924-216
7065	86	Invoice	BUSINESS AUTO RENEWAL	04/05/2024	906.00	11/24	602-23-60-5924-216
7065	87	Invoice	BUSINESS AUTO RENEWAL	04/05/2024	695.50	11/24	602-23-80-5924-216
7065	88	Invoice	BUSINESS AUTO RENEWAL	04/05/2024	695.50	11/24	601-23-80-5924-216
7065	89	Invoice	BUSINESS AUTO RENEWAL	04/05/2024	1,659.00	11/24	603-23-70-5924-216
7065	90	Invoice	BUSINESS AUTO RENEWAL	04/05/2024	2,150.00	11/24	601-23-51-5924-216
7065	91	Invoice	BUSINESS AUTO RENEWAL	04/05/2024	9,183.63	11/24	601-23-52-5924-216
7065	92	Invoice	BUSINESS AUTO RENEWAL	04/05/2024	381.00	11/24	207-24-30-5380-216
7065	93	Invoice	BUSINESS AUTO RENEWAL	04/05/2024	381.00	11/24	601-23-80-5924-216
7065	94	Invoice	BUSINESS AUTO RENEWAL	04/05/2024	381.00	11/24	207-24-12-5430-216
7065	95	Invoice	BUSINESS AUTO RENEWAL	04/05/2024	578.00	11/24	205-23-45-5372-216
7065	96	Invoice	CRIME FIDELITY RENEWAL	04/05/2024	24.78	11/24	207-21-18-5190-217
7065	97	Invoice	CRIME FIDELITY RENEWAL	04/05/2024	25.06	11/24	207-21-21-5110-217
7065	98	Invoice	CRIME FIDELITY RENEWAL	04/05/2024	24.78	11/24	207-21-22-5140-217
7065	99	Invoice	CRIME FIDELITY RENEWAL	04/05/2024	26.13	11/24	207-22-42-5233-217
7065	100	Invoice	CRIME FIDELITY RENEWAL	04/05/2024	24.78	11/24	207-23-42-5371-217
7065	101	Invoice	CRIME FIDELITY RENEWAL	04/05/2024	24.78	11/24	207-24-11-5410-217
7065	102	Invoice	CRIME FIDELITY RENEWAL	04/05/2024	24.78	11/24	207-24-12-5430-217
7065	103	Invoice	CRIME FIDELITY RENEWAL	04/05/2024	39.49	11/24	207-24-14-5435-217
7065	104	Invoice	CRIME FIDELITY RENEWAL	04/05/2024	24.78	11/24	207-24-18-5470-217
7065	105	Invoice	CRIME FIDELITY RENEWAL	04/05/2024	24.78	11/24	207-24-30-5380-217
7065	106	Invoice	CRIME FIDELITY RENEWAL	04/05/2024	24.78	11/24	204-23-30-5310-217
7065	107	Invoice	CRIME FIDELITY RENEWAL	04/05/2024	24.78	11/24	601-23-51-5925-217
7065	108	Invoice	CRIME FIDELITY RENEWAL	04/05/2024	24.78	11/24	601-23-52-5925-217
7065	109	Invoice	CRIME FIDELITY RENEWAL	04/05/2024	281.44	11/24	601-23-80-5925-217
7065	110	Invoice	CRIME FIDELITY RENEWAL	04/05/2024	24.78	11/24	602-23-61-5925-217
7065	111	Invoice	CRIME FIDELITY RENEWAL	04/05/2024	78.98	11/24	602-23-80-5925-217
7065	112	Invoice	CRIME FIDELITY RENEWAL	04/05/2024	24.78	11/24	603-23-70-5925-217
7065	113	Invoice	CRIME FIDELITY RENEWAL	04/05/2024	44.54	11/24	603-23-80-5925-217

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
7065	114	Invoice	LAW ENFORCEMENT LIABILITY	04/05/2024	15,997.00	11/24	207-21-21-5110-217
7065	115	Invoice	WORKERS COMP RENEWAL	04/05/2024	392.80	11/24	201-21-18-5190-129
7065	116	Invoice	WORKERS COMP RENEWAL	04/05/2024	13,158.26	11/24	201-21-21-5110-129
7065	117	Invoice	WORKERS COMP RENEWAL	04/05/2024	196.40	11/24	201-21-21-5170-129
7065	118	Invoice	WORKERS COMP RENEWAL	04/05/2024	1,767.62	11/24	201-21-21-5180-129
7065	119	Invoice	WORKERS COMP RENEWAL	04/05/2024	102,303.00	11/24	201-21-22-5140-129
7065	120	Invoice	WORKERS COMP RENEWAL	04/05/2024	1,686.75	11/24	201-21-30-5120-129
7065	121	Invoice	WORKERS COMP RENEWAL	04/05/2024	1,330.19	11/24	201-22-42-5210-129
7065	122	Invoice	WORKERS COMP RENEWAL	04/05/2024	2,821.61	11/24	201-22-42-5210-129
7065	123	Invoice	WORKERS COMP RENEWAL	04/05/2024	285.04	11/24	201-22-42-5221-129
7065	124	Invoice	WORKERS COMP RENEWAL	04/05/2024	950.14	11/24	201-22-42-5222-129
7065	125	Invoice	WORKERS COMP RENEWAL	04/05/2024	3,881.89	11/24	201-22-42-5233-129
7065	126	Invoice	WORKERS COMP RENEWAL	04/05/2024	2,090.30	11/24	201-22-42-5242-129
7065	127	Invoice	WORKERS COMP RENEWAL	04/05/2024	95.01	11/24	201-22-42-5280-129
7065	128	Invoice	WORKERS COMP RENEWAL	04/05/2024	1,882.94	11/24	201-23-30-5310-129
7065	129	Invoice	WORKERS COMP RENEWAL	04/05/2024	7,196.61	11/24	201-23-30-5320-129
7065	130	Invoice	WORKERS COMP RENEWAL	04/05/2024	5,095.67	11/24	201-23-30-5330-129
7065	131	Invoice	WORKERS COMP RENEWAL	04/05/2024	3,806.76	11/24	201-23-30-5350-129
7065	132	Invoice	WORKERS COMP RENEWAL	04/05/2024	1,235.18	11/24	201-23-42-5371-129
7065	133	Invoice	WORKERS COMP RENEWAL	04/05/2024	4,232.42	11/24	201-23-42-5371-129
7065	134	Invoice	WORKERS COMP RENEWAL	04/05/2024	157.12	11/24	201-23-43-5361-129
7065	135	Invoice	WORKERS COMP RENEWAL	04/05/2024	162.43	11/24	201-24-12-5430-129
7065	136	Invoice	WORKERS COMP RENEWAL	04/05/2024	103.51	11/24	201-24-14-5435-129
7065	137	Invoice	WORKERS COMP RENEWAL	04/05/2024	58.92	11/24	201-24-16-5420-129
7065	138	Invoice	WORKERS COMP RENEWAL	04/05/2024	319.55	11/24	201-24-18-5470-129
7065	139	Invoice	WORKERS COMP RENEWAL	04/05/2024	339.20	11/24	201-24-30-5380-129
7065	140	Invoice	WORKERS COMP RENEWAL	04/05/2024	128.24	11/24	201-24-36-5480-129
7065	141	Invoice	WORKERS COMP RENEWAL	04/05/2024	330.35	11/24	601-21-21-5925-129
7065	142	Invoice	WORKERS COMP RENEWAL	04/05/2024	78.56	11/24	601-23-43-5925-129
7065	143	Invoice	WORKERS COMP RENEWAL	04/05/2024	9,623.85	11/24	601-23-51-5925-129
7065	144	Invoice	WORKERS COMP RENEWAL	04/05/2024	176.76	11/24	601-23-51-5925-129
7065	145	Invoice	WORKERS COMP RENEWAL	04/05/2024	16,969.17	11/24	601-23-52-5925-129
7065	146	Invoice	WORKERS COMP RENEWAL	04/05/2024	1,276.62	11/24	601-23-80-5925-129
7065	147	Invoice	WORKERS COMP RENEWAL	04/05/2024	942.73	11/24	601-23-80-5925-129
7065	148	Invoice	WORKERS COMP RENEWAL	04/05/2024	648.13	11/24	601-23-81-5925-129
7065	149	Invoice	WORKERS COMP RENEWAL	04/05/2024	216.04	11/24	601-24-16-5925-129
7065	150	Invoice	WORKERS COMP RENEWAL	04/05/2024	91.60	11/24	601-24-36-5925-129
7065	151	Invoice	WORKERS COMP RENEWAL	04/05/2024	110.12	11/24	602-21-21-5926-129
7065	152	Invoice	WORKERS COMP RENEWAL	04/05/2024	78.56	11/24	602-23-43-5926-129
7065	153	Invoice	WORKERS COMP RENEWAL	04/05/2024	294.60	11/24	602-23-60-5925-129
7065	154	Invoice	WORKERS COMP RENEWAL	04/05/2024	1,122.89	11/24	602-23-60-5925-129
7065	155	Invoice	WORKERS COMP RENEWAL	04/05/2024	5,267.12	11/24	602-23-61-5925-129
7065	156	Invoice	WORKERS COMP RENEWAL	04/05/2024	117.84	11/24	602-23-61-5925-129
7065	157	Invoice	WORKERS COMP RENEWAL	04/05/2024	4,440.34	11/24	602-23-62-5925-129
7065	158	Invoice	WORKERS COMP RENEWAL	04/05/2024	354.52	11/24	602-23-62-5925-129
7065	159	Invoice	WORKERS COMP RENEWAL	04/05/2024	255.32	11/24	602-23-80-5925-129
7065	160	Invoice	WORKERS COMP RENEWAL	04/05/2024	471.37	11/24	602-23-80-5925-129
7065	161	Invoice	WORKERS COMP RENEWAL	04/05/2024	147.30	11/24	602-23-81-5925-129
7065	162	Invoice	WORKERS COMP RENEWAL	04/05/2024	58.92	11/24	602-24-16-5925-129
7065	163	Invoice	WORKERS COMP RENEWAL	04/05/2024	73.28	11/24	602-24-36-5926-129
7065	164	Invoice	WORKERS COMP RENEWAL	04/05/2024	110.12	11/24	603-21-21-5926-129
7065	165	Invoice	WORKERS COMP RENEWAL	04/05/2024	78.56	11/24	603-23-43-5926-129
7065	166	Invoice	WORKERS COMP RENEWAL	04/05/2024	3,674.84	11/24	603-23-70-5925-129
7065	167	Invoice	WORKERS COMP RENEWAL	04/05/2024	294.60	11/24	603-23-70-5925-129
7065	168	Invoice	WORKERS COMP RENEWAL	04/05/2024	2,140.48	11/24	603-23-71-5925-129
7065	169	Invoice	WORKERS COMP RENEWAL	04/05/2024	255.32	11/24	603-23-80-5925-129
7065	170	Invoice	WORKERS COMP RENEWAL	04/05/2024	147.30	11/24	603-23-81-5925-129
7065	171	Invoice	WORKERS COMP RENEWAL	04/05/2024	58.92	11/24	603-24-16-5925-129

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
7065	172	Invoice	WORKERS COMP RENEWAL	04/05/2024	73.31	11/24	603-24-36-5926-129
7065	173	Invoice	LINEBACKER RENEWAL	04/05/2024	1,320.88	11/24	207-21-18-5190-217
7065	174	Invoice	LINEBACKER RENEWAL	04/05/2024	1,188.35	11/24	207-24-12-5430-217
7065	175	Invoice	LINEBACKER RENEWAL	04/05/2024	714.36	11/24	207-24-14-5435-217
7065	176	Invoice	LINEBACKER RENEWAL	04/05/2024	1,320.88	11/24	207-24-18-5470-217
7065	177	Invoice	LINEBACKER RENEWAL	04/05/2024	3,967.14	11/24	207-24-30-5380-217
7065	178	Invoice	LINEBACKER RENEWAL	04/05/2024	5,151.00	11/24	601-23-80-5925-217
7065	179	Invoice	LINEBACKER RENEWAL	04/05/2024	3,962.65	11/24	601-23-81-5925-217
7065	180	Invoice	LINEBACKER RENEWAL	04/05/2024	1,585.96	11/24	602-23-80-5925-217
7065	181	Invoice	LINEBACKER RENEWAL	04/05/2024	2,378.94	11/24	602-23-81-5925-217
7065	182	Invoice	LINEBACKER RENEWAL	04/05/2024	873.84	11/24	603-23-80-5925-217
7065	183	Invoice	UMBRELLA RENEWAL	04/05/2024	263.24	11/24	207-21-18-5190-217
7065	184	Invoice	UMBRELLA RENEWAL	04/05/2024	3,065.67	11/24	207-21-21-5110-217
7065	185	Invoice	UMBRELLA RENEWAL	04/05/2024	786.98	11/24	207-21-21-5180-217
7065	186	Invoice	UMBRELLA RENEWAL	04/05/2024	1,505.41	11/24	207-21-22-5140-217
7065	187	Invoice	UMBRELLA RENEWAL	04/05/2024	150.82	11/24	207-21-30-5120-217
7065	188	Invoice	UMBRELLA RENEWAL	04/05/2024	962.48	11/24	207-22-42-5210-217
7065	189	Invoice	UMBRELLA RENEWAL	04/05/2024	145.33	11/24	207-22-42-5221-217
7065	190	Invoice	UMBRELLA RENEWAL	04/05/2024	159.04	11/24	207-22-42-5222-217
7065	191	Invoice	UMBRELLA RENEWAL	04/05/2024	913.12	11/24	207-22-42-5233-217
7065	192	Invoice	UMBRELLA RENEWAL	04/05/2024	537.45	11/24	207-22-42-5242-217
7065	193	Invoice	UMBRELLA RENEWAL	04/05/2024	98.72	11/24	207-23-30-5350-217
7065	194	Invoice	UMBRELLA RENEWAL	04/05/2024	1,184.59	11/24	207-23-42-5371-217
7065	195	Invoice	UMBRELLA RENEWAL	04/05/2024	156.30	11/24	207-24-12-5430-217
7065	196	Invoice	UMBRELLA RENEWAL	04/05/2024	145.33	11/24	207-24-14-5435-217
7065	197	Invoice	UMBRELLA RENEWAL	04/05/2024	120.65	11/24	207-24-18-5470-217
7065	198	Invoice	UMBRELLA RENEWAL	04/05/2024	227.59	11/24	207-24-30-5380-217
7065	199	Invoice	UMBRELLA RENEWAL	04/05/2024	49.36	11/24	207-24-36-5480-217
7065	200	Invoice	UMBRELLA RENEWAL	04/05/2024	21.94	11/24	207-24-16-5420-217
7065	201	Invoice	UMBRELLA RENEWAL	04/05/2024	1,963.34	11/24	204-23-30-5310-217
7065	202	Invoice	UMBRELLA RENEWAL	04/05/2024	249.53	11/24	204-23-30-5320-217
7065	203	Invoice	UMBRELLA RENEWAL	04/05/2024	46.62	11/24	204-23-30-5330-217
7065	204	Invoice	UMBRELLA RENEWAL	04/05/2024	2,432.24	11/24	601-23-51-5925-217
7065	205	Invoice	UMBRELLA RENEWAL	04/05/2024	3,315.20	11/24	601-23-52-5925-217
7065	206	Invoice	UMBRELLA RENEWAL	04/05/2024	1,165.39	11/24	601-23-80-5925-217
7065	207	Invoice	UMBRELLA RENEWAL	04/05/2024	630.68	11/24	601-23-81-5925-217
7065	208	Invoice	UMBRELLA RENEWAL	04/05/2024	32.91	11/24	601-23-36-5925-217
7065	209	Invoice	UMBRELLA RENEWAL	04/05/2024	123.39	11/24	601-24-16-5925-217
7065	210	Invoice	UMBRELLA RENEWAL	04/05/2024	1,307.98	11/24	602-23-60-5925-217
7065	211	Invoice	UMBRELLA RENEWAL	04/05/2024	1,700.10	11/24	602-23-61-5925-217
7065	212	Invoice	UMBRELLA RENEWAL	04/05/2024	866.50	11/24	602-23-62-5925-217
7065	213	Invoice	UMBRELLA RENEWAL	04/05/2024	474.38	11/24	602-23-80-5925-217
7065	214	Invoice	UMBRELLA RENEWAL	04/05/2024	375.67	11/24	602-23-81-5925-217
7065	215	Invoice	UMBRELLA RENEWAL	04/05/2024	27.42	11/24	602-23-36-5925-217
7065	216	Invoice	UMBRELLA RENEWAL	04/05/2024	32.91	11/24	602-24-16-5925-217
7065	217	Invoice	UMBRELLA RENEWAL	04/05/2024	1,716.55	11/24	603-23-70-5925-217
7065	218	Invoice	UMBRELLA RENEWAL	04/05/2024	257.76	11/24	603-23-71-5925-217
7065	219	Invoice	UMBRELLA RENEWAL	04/05/2024	87.75	11/24	603-23-80-5925-217
7065	220	Invoice	UMBRELLA RENEWAL	04/05/2024	60.33	11/24	603-23-81-5925-217
7065	221	Invoice	UMBRELLA RENEWAL	04/05/2024	27.42	11/24	603-23-36-5925-217
7065	222	Invoice	UMBRELLA RENEWAL	04/05/2024	32.91	11/24	603-24-16-5925-217
Total 7065:					530,114.00		
7089	1	Invoice	INS COVERAGE/AIRPORT VEHICLE & PD VE	04/22/2024	683.00	11/24	205-23-45-5372-216
7089	2	Invoice	INS COVERAGE/AIRPORT VEHICLE & PD VE	04/22/2024	1,072.00	11/24	207-21-21-5110-216

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
Total 7089:					1,755.00		
Total TOWN & COUNTRY INSURANCE (959):					541,320.85		
<b>TRIVESTA - IOWA (2)</b>							
RA10300105	1	Invoice	2013 INTL/YEARLY DOT INSP & FULL SERVIC	03/06/2024	846.56	11/24	204-23-30-5310-227
Total RA103001051:01:					846.56		
RA10300117	1	Invoice	EXHAUST MANIFOLDREPAIR/TRK #7	04/30/2024	6,736.93	11/24	204-23-30-5310-227
Total RA103001173:01:					6,736.93		
Total TRIVESTA - IOWA (2):					7,583.49		
<b>US AUTOFORCE (7353)</b>							
INV0004187	1	Invoice	TIRES/TRUCK #2207	04/11/2024	430.40	11/24	100-21-21-5110-314
Total INV0004187388:					430.40		
Total US AUTOFORCE (7353):					430.40		
<b>US CELLULAR (986)</b>							
0646927820	1	Invoice	STREET WATERFILL STATION	04/10/2024	15.72	11/24	602-23-62-5662-230
Total 0646927820:					15.72		
Total US CELLULAR (986):					15.72		
<b>UTILITY SERVICE CO., INC. (3294)</b>							
601467	1	Invoice	QTRLY PYMT/520 WATER TOWER	04/01/2024	6,444.31	11/24	602-23-60-5614-299
Total 601467:					6,444.31		
601468	1	Invoice	QRTLY PYMT/GROUND STORAGE TANK	04/01/2024	5,422.76	11/24	602-23-60-5614-299
Total 601468:					5,422.76		
601469	1	Invoice	QRTLY PYMT/PEDISPHERE HY-VEE TOWER	04/01/2024	5,485.03	11/24	602-23-60-5614-299
Total 601469:					5,485.03		
Total UTILITY SERVICE CO., INC. (3294):					17,352.10		
<b>VALUTECH PEST CONTROL (6822)</b>							
4526	1	Invoice	PEST CONTROL/SENIOR CENTER	04/19/2024	35.00	11/24	100-22-42-5280-299
Total 4526:					35.00		
4527	1	Invoice	PEST CONTROL/CEMETERY	04/19/2024	35.00	11/24	100-23-42-5371-299
Total 4527:					35.00		
4528	1	Invoice	PEST CONTROL/CITY HALL	04/19/2024	10.50	11/24	100-24-36-5480-299
4528	2	Invoice	PEST CONTROL/CITY HALL	04/19/2024	7.50	11/24	601-23-36-5480-299
4528	3	Invoice	PEST CONTROL/CITY HALL	04/19/2024	6.00	11/24	602-23-36-5480-299
4528	4	Invoice	PEST CONTROL/CITY HALL	04/19/2024	6.00	11/24	603-23-36-5480-299

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
Total 4528:					30.00		
4530	1	Invoice	PEST CONTROL/FULLER HALL	04/19/2024	32.00	11/24	100-22-42-5233-299
Total 4530:					32.00		
4531	1	Invoice	PEST CONTROL/BREWER CREEK PARK	04/19/2024	32.00	11/24	100-22-42-5210-299
Total 4531:					32.00		
4532	1	Invoice	PEST CONTROL/WILSON BREWER PARK	04/19/2024	140.00	11/24	100-22-42-5221-299
Total 4532:					140.00		
Total VALUTECH PEST CONTROL (6822):					304.00		
<b>VAN DIEST SUPPLY COMPANY (1455)</b>							
123544	1	Invoice	PRO 19-0-0/50 LB.	04/29/2024	194.40	11/24	100-22-42-5210-318
Total 123544:					194.40		
Total VAN DIEST SUPPLY COMPANY (1455):					194.40		
<b>VARGAS, ISRAEL (7932)</b>							
042924	1	Invoice	ELECTRIC REFUND	04/29/2024	7.20	11/24	601-23-80-5903-980
Total 042924:					7.20		
Total VARGAS, ISRAEL (7932):					7.20		
<b>VOLCO CO. INC (6734)</b>							
61102	1	Invoice	CLARIFIER HEATER	04/04/2024	1,681.66	11/24	603-23-70-5652-860
Total 61102:					1,681.66		
Total VOLCO CO. INC (6734):					1,681.66		
<b>WAHLTEK SALES &amp; SERVICES (2468)</b>							
IN108165	1	Invoice	EVENTIDE/NEXLOG 740 ANNUAL CONTRAC	03/14/2024	2,211.62	11/24	100-21-21-5110-299
Total IN108165:					2,211.62		
Total WAHLTEK SALES & SERVICES (2468):					2,211.62		
<b>WALTERS, BRAD (5058)</b>							
020124	1	Invoice	ENERGY EFFICIENCY REBATE	02/01/2024	75.00	11/24	601-23-36-5930-979
020124	2	Invoice	CB EE RESIDENTIAL REBAGE	02/01/2024	25.00	11/24	601-23-53-5930-979
Total 020124:					100.00		
Total WALTERS, BRAD (5058):					100.00		
<b>WEBSTER CITY TRUE VALUE (2155)</b>							
2404-030161	1	Invoice	LOCATOR BATTERIES	03/06/2024	19.99	11/24	601-23-52-5588-318
Total 2404-030161:					19.99		

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
2404-035460	1	Invoice	CAULK/SEALANT	04/11/2024	29.27	11/24	100-22-42-5210-318
Total 2404-035460:					29.27		
2404-035555	1	Invoice	TRAY LINER/PAINTERS TAPE	04/12/2024	10.87	11/24	100-22-42-5210-318
Total 2404-035555:					10.87		
2404-036309	1	Invoice	CLEANING SUPPLIES	04/15/2024	52.46	11/24	100-22-42-5210-311
Total 2404-036309:					52.46		
2404-036810	1	Invoice	WHT K&B SEALANT	04/18/2024	23.98	11/24	100-22-42-5210-318
Total 2404-036810:					23.98		
2404-036904	1	Invoice	TRASH BAGS/TRASH CANS	04/19/2024	53.47	11/24	100-22-42-5210-318
Total 2404-036904:					53.47		
Total WEBSTER CITY TRUE VALUE (2155):					190.04		
<b>WEBSTER CITY VETERINARY CLINIC (1030)</b>							
507903	1	Invoice	FLEA AND TICK TABLETS/MOAB	04/18/2024	157.94	11/24	214-21-21-5110-318
Total 507903:					157.94		
Total WEBSTER CITY VETERINARY CLINIC (1030):					157.94		
<b>WELSH, GARY &amp; RITA (7926)</b>							
021124	1	Invoice	ENERGY EFFICIENCY REBATE	02/11/2024	75.00	11/24	601-23-36-5930-979
021124	2	Invoice	CB EE RESIDENTIAL REBATE	02/11/2024	25.00	11/24	601-23-53-5930-979
Total 021124:					100.00		
Total WELSH, GARY & RITA (7926):					100.00		
<b>WILWERT, GREGORY (7931)</b>							
042324	1	Invoice	METER RELOCATION REBATE	04/23/2024	500.00	11/24	601-23-51-5930-982
Total 042324:					500.00		
Total WILWERT, GREGORY (7931):					500.00		
<b>WOOLSTOCK MUTUAL TELEPHONE ASN (1054)</b>							
8391086 05/	1	Invoice	INTERNET SERVICE	05/01/2024	3.03	11/24	100-24-14-5435-230
8391086 05/	2	Invoice	INTERNET SERVICE	05/01/2024	21.90	11/24	601-23-80-5903-230
8391086 05/	3	Invoice	INTERNET SERVICE	05/01/2024	6.74	11/24	602-23-80-5921-230
8391086 05/	4	Invoice	INTERNET SERVICE	05/01/2024	2.02	11/24	603-23-80-5921-230
8391086 05/	5	Invoice	INTERNET SERVICE	05/01/2024	3.61	11/24	100-24-12-5430-230
8391086 05/	6	Invoice	INTERNET SERVICE	05/01/2024	12.03	11/24	601-23-81-5921-230
8391086 05/	7	Invoice	INTERNET SERVICE	05/01/2024	7.22	11/24	602-23-81-5921-230
8391086 05/	8	Invoice	INTERNET SERVICE	05/01/2024	1.20	11/24	603-23-81-5921-230
8391086 05/	9	Invoice	INTERNET SERVICE	05/01/2024	6.02	11/24	100-24-30-5380-230
8391086 05/	10	Invoice	INTERNET SERVICE	05/01/2024	6.02	11/24	601-24-30-5380-230
8391086 05/	11	Invoice	INTERNET SERVICE	05/01/2024	6.02	11/24	602-24-30-5380-230
8391086 05/	12	Invoice	INTERNET SERVICE	05/01/2024	6.01	11/24	603-24-30-5380-230
8391086 05/	13	Invoice	INTERNET SERVICE	05/01/2024	14.44	11/24	100-21-22-5140-230

Invoice	Seq	Type	Description	Invoice Date	Total Cost	Period	GL Account
8391086 05/	14	Invoice	INTERNET SERVICE	05/01/2024	38.50	11/24	100-21-21-5110-230
8391086 05/	15	Invoice	INTERNET SERVICE	05/01/2024	7.22	11/24	601-23-52-5588-230
8391086 05/	16	Invoice	INTERNET SERVICE	05/01/2024	7.22	11/24	601-23-51-5566-230
8391086 05/	17	Invoice	INTERNET SERVICE	05/01/2024	14.44	11/24	602-23-61-5642-230
8391086 05/	18	Invoice	INTERNET SERVICE	05/01/2024	4.81	11/24	100-23-43-5361-230
8391086 05/	19	Invoice	INTERNET SERVICE	05/01/2024	19.25	11/24	100-22-42-5233-230
8391086 05/	20	Invoice	INTERNET SERVICE	05/01/2024	118.62	11/24	601-24-16-5921-230
8391086 05/	21	Invoice	INTERNET SERVICE	05/01/2024	20.84	11/24	602-24-16-5921-230
8391086 05/	22	Invoice	INTERNET SERVICE	05/01/2024	20.84	11/24	603-24-16-5921-230
8391086 05/	23	Invoice	INTERNET SERVICE-SCADA	05/01/2024	55.00	11/24	602-23-61-5642-230
Total 8391086 05/01/24:					403.00		
8393034 05/	1	Invoice	INTERNET SERVICE/RSVP	05/01/2024	45.00	11/24	100-22-42-5280-230
Total 8393034 05/01/24:					45.00		
8397981 05/	1	Invoice	INTERNET SERVICE/FULLER HALL	05/01/2024	30.00	11/24	100-22-42-5280-230
Total 8397981 05/01/24:					30.00		
Total WOOLSTOCK MUTUAL TELEPHONE ASN (1054):					478.00		
<b>ZEHNER SAFETY (1067)</b>							
2612	1	Invoice	REPLACE EXTINGUISHERS (3)	04/12/2024	567.00	11/24	100-21-22-5140-311
Total 2612:					567.00		
Total ZEHNER SAFETY (1067):					567.00		
<b>ZIEGLER, INC. (1071)</b>							
IN001444818	1	Invoice	CAB FILTER/BACKHOE #16	04/17/2024	54.94	11/24	204-23-30-5310-315
Total IN001444818:					54.94		
Total ZIEGLER, INC. (1071):					54.94		
Total 05/06/2024:					1,704,105.86		
Grand Totals:					2,292,996.10		

Report GL Period Summary

GL Period	Amount
11/24	2,277,204.92
10/24	15,791.18
Grand Totals:	2,292,996.10

Vendor number hash: 924465  
 Vendor number hash - split: 1954583  
 Total number of invoices: 230  
 Total number of transactions: 702

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Terms Description	Invoice Amount	Net Invoice Amount
Open Terms	2,292,996.10	2,292,996.10
Claims Total:	2,292,996.10	2,292,996.10
Payroll Ending April 20, 2024	195,452.18	
<b>Grand Total:</b>	<b>\$ 2,488,448.28</b>	

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## FARM LEASE - CASH OR CROP SHARES

THIS LEASE ("Lease") is made between City of Webster City, Iowa ("Landlord"), whose address for the purpose of this Lease is 400 2nd Street, Webster City, Iowa 50595 and Travis L. Wearda ("Tenant"), whose address for the purpose of this Lease is 1973 Xavier Avenue, Duncombe, Iowa 50532.

THE PARTIES AGREE AS FOLLOWS:

1. **PREMISES AND TERM.** Landlord leases to Tenant the following real estate situated in HAMILTON County, Iowa (the "Real Estate"):

**5.9 tillable acres:** Part of the SE 1/4 Section 2, Township 88 North, Range 26 West of the 5th P.M., being part of vacated Kurtz Addition to Webster City, Iowa, containing 5.9 acres more or less. b

**36.06 tillable acres:** Lot 1, Sahai Addition in Webster City, Iowa, containing 36.06 acres more or less. (**\$335.00/acre**)

**North 27.54 tillable acres:** A PARCEL OF LAND LOCATED IN LOT 1, SAHAI'S SECOND ADDITION, WEBSTER CITY, HAMILTON COUNTY, IOWA DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF LOT 1, SAHAI ADDITION, WEBSTER CITY, HAMILTON COUNTY, IOWA, ALSO BEING A POINT ON THE WEST LINE OF SAID LOT 1, SAHAI'S SECOND ADDITION; THENCE NORTH 00°07'34" WEST 40.21 FEET ON SAID EAST LINE OF LOT 1, SAHAI ADDITION, ALSO BEING THE WEST LINE OF SAID LOT 1, SAHAI'S SECOND ADDITION TO THE POINT OF BEGINNING; THENCE CONTINUING NORTH 00°07'34" WEST 1141.06 FEET ON SAID LINE TO THE NORTHEAST CORNER OF SAID LOT 1, SAHAI ADDITION, ALSO BEING THE NORTHWEST CORNER OF SAID LOT 1, SAHAI'S SECOND ADDITION, FURTHER BEING A POINT ON THE SOUTH RIGHT-OF-WAY LINE OF US HIGHWAY #20; THENCE SOUTH 86°44'42" EAST 718.87 FEET ON THE NORTH LINE OF SAID LOT 1, SAHAI'S SECOND ADDITION, ALSO BEING THE SAID SOUTH RIGHT-OF-WAY LINE OF US HIGHWAY #20; THENCE SOUTH 89°58'03" EAST 227.46 FEET ON SAID LINE; THENCE SOUTH 18°37'20" EAST 1146.50 FEET; THENCE SOUTH 89°24'19" WEST 1313.86 FEET TO THE POINT OF BEGINNING, CONTAINING 28.72 ACRES.

THE WEST LINE OF LOT 1, SAHAI'S SECOND ADDITION WAS ASSUMED TO BEAR NORTH 00°07'34" WEST. (**\$335.00/acre**)

**South 25.1 tillable acres:** A PARCEL OF LAND LOCATED IN LOT 1, SAHAI'S SECOND ADDITION, WEBSTER CITY, HAMILTON COUNTY, IOWA DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF LOT 1, SAHAI ADDITION, WEBSTER CITY, HAMILTON COUNTY, IOWA, ALSO BEING A POINT ON THE WEST LINE OF SAID LOT 1, SAHAI'S SECOND ADDITION; THENCE NORTH 00°07'34" WEST 40.21 FEET ON SAID EAST LINE OF LOT 1, SAHAI ADDITION, ALSO BEING THE WEST LINE OF SAID LOT 1, SAHAI'S SECOND ADDITION TO THE POINT OF BEGINNING; THENCE CONTINUING NORTH 00°07'34" WEST 1141.06 FEET ON SAID LINE TO THE NORTHEAST CORNER OF SAID LOT 1, SAHAI ADDITION, ALSO BEING THE NORTHWEST CORNER OF SAID LOT 1, SAHAI'S SECOND ADDITION, FURTHER BEING A POINT ON THE SOUTH RIGHT-OF-WAY LINE OF US HIGHWAY #20;

THENCE SOUTH 86°44'42" EAST 718.87 FEET ON THE NORTH LINE OF SAID LOT 1, SAHAI'S SECOND ADDITION, ALSO BEING THE SAID SOUTH RIGHT-OF-WAY LINE OF US HIGHWAY #20; THENCE SOUTH 89°58'03" EAST 227.46 FEET ON SAID LINE; THENCE SOUTH 18°37'20" EAST 1146.50 FEET; THENCE SOUTH 89°24'19" WEST 1313.86 FEET TO THE POINT OF BEGINNING, CONTAINING 28.72 ACRES.

THE WEST LINE OF LOT 1, SAHAI'S SECOND ADDITION WAS ASSUMED TO BEAR NORTH 00°07'34" WEST. (**\$300.00/acre**)

**2.95 tillable acres:** North 100 feet of lot 2, Sahai Addition to Webster City, Iowa. Said tract is located in the NW ¼ of SE ¼, Section 7, Township 88 North, Range 25 West of the 5<sup>th</sup> P.M., per Plat Cabinet Slide B87, Page 1. (**\$300.00/acre**)

and containing **97.55 tillable acres** per county FSA records, more or less, with possession by Tenant for a term of one (1) year(s) to commence on March 1, 2024, and end on February 28, 2025. The Tenant has had or been offered an opportunity to make an independent investigation as to the acres and boundaries of the premises. In the event that possession cannot be delivered within fifteen (15) days after commencement of this Lease, Tenant may terminate this Lease by giving the Landlord notice in writing.

**2. RENT.** Tenant shall pay to Landlord as rent for the Real Estate (the "Rent"):

a. Total annual cash rent of **\$31,697.50** payable, unless otherwise agreed, as follows: **\$15,848.75 within fifteen (15) days of execution of this Agreement and \$15,848.75 on November 1, 2024** and the same each year thereafter for the term of this lease.

All Rent is to be paid to Landlord at the address above or at such other place as Landlord may direct in writing. Rent must be in Landlord's possession on or before the due date. Participation of this farm in any offered program by the U.S. Department of Agriculture or any state for crop production control or soil conservation, the observance of the terms and conditions of this program, and the division of farm program payments, requires Landlord's consent. Payments from participation in these programs shall be divided 0% Landlord 100% Tenant. Governmental cost-sharing payments for permanent soil conservation structures shall be divided 0% Landlord 100% Tenant. Crop disaster payments shall be divided 0% Landlord 100% Tenant.

**3. LANDLORD'S LIEN AND SECURITY INTEREST.** As security for all sums due or which will become due from Tenant to Landlord, Tenant hereby grants to Landlord, in addition to any statutory liens, a security interest as provided in the Iowa Uniform Commercial Code and a contractual lien in all crops produced on the premises and the proceeds and products thereof, all contract rights concerning such crops, proceeds and/or products, all proceeds of insurance collected on account of destruction of such crops, all contract rights and U.S. government and/or state agricultural farm program payments in connection with the above described premises whether such contract rights be payable in cash or in kind, including the proceeds from such rights, and any and all other personal property kept or used on the real estate that is not exempt from execution. Tenant shall also sign any additional forms required to validate the security interest in government program payments.

Tenant shall not sell such crops unless Landlord agrees otherwise. Tenant shall notify Landlord of Tenant's intention to sell crop at least three (3) business days prior to sale of the crop (with business days being described as Monday through Friday, except any Iowa or federal holidays). Tenant shall pay the full rent for the crop year in which the crop is produced, whether due or not, at the time of sale pursuant to Landlord's consent to release Landlord's security interests. Upon payment in full Landlord shall release Landlord's lien on the crop produced in

that crop year on the premises. The parties agree that by the Landlord releasing the lien as to the crop in one year, the Landlord in no way releases the lien or agrees to release the lien in any prior or subsequent year.

Tenant shall sign and deliver to Landlord a list of potential buyers of the crops upon which Landlord has been granted a security interest in this lease. Unless Landlord otherwise consents, Tenant will not sell these crops to a buyer who is not on the potential list of buyers unless Tenant pays the full rent due for the crop year to the Landlord at or prior to the date of sale. Landlord may give notice to the potential buyers of the existence of this security interest.

Landlord is further granted the power, coupled with an interest, to sign on behalf of Tenant as attorney-in-fact and to file one or more financing statements under the Iowa Uniform Commercial Code naming Tenant as Debtor and Landlord as Secured Party and describing the collateral herein specified. Tenant consents to the financing statement being filed immediately after execution of this Lease.

**4. INPUT COSTS AND EXPENSES.** Tenant shall prepare the Real Estate and plant such crops in a timely fashion as may be directed by Landlord. Tenant shall only be entitled to pasture or till those portions of the Real Estate designated by Landlord. All necessary machinery and equipment, as well as labor, necessary to carry out the terms of this lease shall be furnished by and at the expense of the Tenant. The following materials, in the amounts required by good husbandry, shall be acquired by Tenant and paid for by the parties as follows:

	% Landlord	% Tenant
(1) Commercial Fertilizer	0	100
(2) Lime and Trace Minerals	0	100
(3) Herbicides	0	100
(4) Insecticides	0	100
(5) Seed	0	100
(6) Seed cleaning	0	100
(7) Harvesting and/or Shelling Expense	0	100
(8) Grain Drying Expense	0	100
(9) Grain Storage Expense	0	100
(10) Other	0	100

Tenant agrees to furnish, without cost, all labor, equipment and application for all fertilizer, lime, trace minerals and chemicals.

**5. PROPER HUSBANDRY; HARVESTING OF CROPS; CARE OF SOIL, TREES, SHRUBS AND GRASS.** Tenant shall farm the Real Estate in a manner consistent with good husbandry, seek to obtain the best crop production that the soil and crop season will permit, properly care for all growing crops in a manner consistent with good husbandry, and harvest all crops on a timely basis. In the event Tenant fails to do so, Landlord reserves the right, personally or by designated agents, to enter upon the Real Estate and properly care for and harvest all growing crops, charging the cost of the care and harvest to the Tenant, as part of the Rent. Tenant shall timely control all weeds, including noxious weeds, weeds in the fence rows, along driveways and around buildings throughout the premises. Tenant shall comply with all terms of the conservation plan and any other required environmental plans for the leased premises. Tenant shall do what is reasonably necessary to control soil erosion including, but not limited to, the maintenance of existing watercourses, waterways, ditches, drainage areas, terraces and tile drains, and abstain from any practice which will cause damage to the Real Estate.

Upon request from the Landlord, Tenant shall by August 15 of each lease year provide to the Landlord a written listing showing all crops planted, including the acres of each crop planted, fertilizers, herbicides and insecticides applied showing the place of application, the name and

address of the applicator, the type of application and the quantity of such items applied on the lease premises during such year.

Tenant shall distribute upon the poorest tillable soil on the Real Estate, unless directed otherwise by Landlord, all of the manure and compost from the farming operation suitable to be used. Tenant shall not remove from the Real Estate, nor burn, any straw, stalks, stubble, or similar plant materials, all of which are recognized as the property of Landlord. Tenant may use these materials, however, upon the Real Estate for the farming operations. Tenant shall protect all trees, vines and shrubbery upon the Real Estate from injury by Tenant's cropping operation or livestock.

Tenant shall maintain accurate yield records for the real estate, and upon request, during or after lease term, shall disclose to Landlord, all yield base information required for participation in government program

## 6. ENVIRONMENTAL.

a. Landlord. To the best of Landlord's knowledge to date:

i) Neither Landlord nor, Landlord's former or present tenants, are subject to any investigation concerning the premises by any governmental authority under any applicable federal, state, or local codes, rules, and regulations pertaining to air and water quality, the handling, transportation, storage, treatment, usage, or disposal of toxic or hazardous substances, air emissions, other environmental matters, and all zoning and other land use matters.

ii) Any handling, transportation, storage, treatment, or use of toxic or hazardous substances that has occurred on the premises has been in compliance with all applicable federal, state, and local codes, rules, and regulations.

iii) No leak, spill release, discharge, emission, or disposal of toxic or hazardous substances has occurred on the premises.

iv) The soil, groundwater, and soil vapor on or under the premises is free of toxic or hazardous substances except for chemicals (including without limitation fertilizer, herbicides, insecticides) applied in conformance with good farming methods, applicable rules and regulations and the label directions of each chemical.

Landlord shall hold Tenant harmless against liability for removing solid waste disposal sites existing at the execution of this Lease, with the exception that Tenant shall be liable for removal of solid waste disposal sites to the extent that the Tenant created or contributed to the solid waste disposal site at any time.

Landlord shall assume liability and shall indemnify and hold Tenant harmless against any liability or expense arising from any condition which existed, whether known or unknown, at the time of execution of the lease which is not a result of actions of the Tenant or which arises after date of execution but which is not a result of actions of the Tenant.

Landlord shall disclose in writing to Tenant the existence of any known wells, underground storage tanks, hazardous waste sites, and solid waste disposal sites. Disclosure may be provided by a properly completed groundwater hazard statement to be supplemented if changes occur.

b. Tenant. Tenant shall comply with all applicable environmental laws concerning application, storage and handling of chemicals (including, without limitation, herbicides and insecticides) and fertilizers. Tenant shall apply any chemicals used for weed or insect control at levels not to exceed the manufacturer's recommendation for the soil types involved. Farm chemicals may not be stored on the premises for more than one year.

Farm chemicals for use on other properties may not be stored on this property. Chemicals stored on the premises shall be stored in clearly marked, tightly closed containers. No chemicals or chemical containers will be disposed of on the premises. Application of chemicals for agricultural purposes per manufacturer's recommendation shall not be construed to constitute disposal.

Tenant shall employ all means appropriate to insure that well or ground water contamination does not occur, and shall be responsible to follow all applicator's licensing requirements. Tenant shall install and maintain safety check valves for injection of any chemicals and/or fertilizers into an irrigation system (injection valve only, not main well check valve). Tenant shall properly post all fields (when posting is required) whenever chemicals are applied by ground or air. Tenant shall haul and spread all manure on appropriate fields at times and in quantities consistent with environmental protection requirements. Tenant shall not dispose of waste oil, tires, batteries, paint, other chemicals or containers anywhere on the premises. Solid waste may not be disposed of on the premises. Dead livestock may not be buried on the premises. If disposal of solid waste or burial of dead animals is permitted as stated in the previous two sentences, the disposal or burial shall be in compliance with all applicable environmental laws. Tenant shall not use waste oil as a means to suppress dust on any roads on or near the premises. No underground storage tanks, except human waste septic systems that meet current codes, rules, and regulations, shall be maintained on the premises.

Tenant shall immediately notify Landlord of any chemical discharge, leak, or spill which occurs on premises. Tenant shall assume liability and shall indemnify and hold Landlord harmless for any claim or violation of standards which results from Tenant's use of the premises. Tenant shall assume defense of all claims, except claims resulting from Landlord's negligence, in which case each party shall be responsible for that party's defense of any claim. After termination, Tenant shall remain liable for violations which occurred during the term of this Lease.

**In the absence of selection of an alternative where choices are provided in this paragraph 8b, the choice of the word "may" shall be presumed unless that presumption is contrary to applicable environmental laws and regulations.**

**7. TERMINATION OF LEASE.** This Lease shall automatically renew upon expiration from year-to-year, upon the same terms and conditions unless either party gives due and timely written notice to the other of an election not to renew this Lease. If renewed, the tenancy shall terminate on March 1 of the year following, provided that the tenancy shall not continue because of an absence of notice in the event there is a default in the performance of this Lease. All notices of termination of this Lease shall be as provided by law.

**8. POSSESSION AND CONDITION AT END OF TERM.** At the termination of this Lease, Tenant will relinquish possession of the Real Estate to the Landlord. If Tenant fails to do so Tenant agrees to pay Landlord \$ 100 per day, as liquidated damages until possession is delivered to Landlord. At the time of delivery of the Real Estate to Landlord, Tenant shall assure that the Real Estate is in good order and condition, and substantially the same as it was when received by Tenant at the commencement of this Lease, excusable or insurable loss by fire, unavoidable accidents and ordinary wear, excepted.

**9. LANDLORD'S RIGHT OF ENTRY AND INSPECTION.** In the event notice of termination of this Lease has been properly served, Landlord may enter upon the Real Estate or authorize someone else to enter upon the Real Estate to conduct any normal tillage or fertilizer operation after Tenant has completed the harvesting of crops even if this is prior to the date of termination of the lease. Landlord may enter upon the Real Estate at any reasonable time for the

purpose of viewing or seeding or making repairs, or for other reasonable purposes.

**10. VIOLATION OF TERMS OF LEASE.** If Tenant or Landlord violates the terms of this Lease, the other may pursue the legal and equitable remedies to which each is entitled. Tenant's failure to pay any Rent when due shall cause all unpaid Rent to become immediately due and payable, without any notice to or demand upon Tenant.

**11. REPAIRS.** Tenant shall maintain the fences on the leased premises in good and proper repair. Landlord shall furnish necessary materials for repairs that Landlord deems necessary within a reasonable time after being notified of the need for repairs. Tenant shall haul the materials to the repair site without charge to Landlord.

**12. NEW IMPROVEMENTS.** All buildings, fences and improvements of every kind and nature that may be erected or established upon the Real Estate during the term of the Lease by the Tenant shall constitute additional rent and shall inure to the Real Estate, becoming the property of Landlord unless the Landlord has agreed in writing prior to the erection that the Tenant may remove the improvement at the end of the lease.

**13. WELL, WINDMILL, WATER AND SEPTIC SYSTEMS.** Tenant shall maintain all well, windmill, water and septic systems on the Real Estate in good repair at Tenant's expense except damage caused by windstorm or weather. Tenant shall not be responsible for replacement or installation of well, windmill, water and septic systems on the Real Estate, beyond ordinary maintenance expenses. Landlord does not guarantee continuous or adequate supplies of water for the premises.

**14. EXPENSES INCURRED WITHOUT CONSENT OF LANDLORD.** No expense shall be incurred for or on account of the Landlord without first obtaining Landlord's written authorization. Tenant shall take no actions that might cause a mechanic's lien to be imposed upon the Real Estate.

**15. NO AGENCY.** Tenant is not an agent of the Landlord.

**16. TELEVISION AND RADIO.** Tenant may install and remove, without causing material injury to the premises, Tenant's television reception antennas, microwave dishes, and radio reception and transmission antennas.

**17. ACCOUNTING.** The method used for dividing and accounting for the harvested grain shall be the customary and usual method used in the locale.

**18. ATTORNEY FEES AND COURT COSTS.** If either party files suit to enforce any of the terms of this Lease, the prevailing party shall be entitled to recover court costs and reasonable attorneys' fees.

**19. CHANGE IN LEASE TERMS.** The conduct of either party, by act or omission, shall not be construed as a material alteration of this Lease until such provision is reduced to writing and executed by both parties as addendum to this Lease.

**20. CONSTRUCTION.** Words and phrases herein, including the acknowledgment, are construed as in the singular or plural and as the appropriate gender, according to the context.

**21. NOTICES.** The notices contemplated in this Lease shall be made in writing and shall either be delivered in person, or be mailed in the U.S. mail, certified mail to the recipient's

last known mailing address, except for the notice of termination set forth in Section 9, which shall be governed by the Code of Iowa.

22. **ASSIGNMENT.** Tenant shall not assign this Lease or sublet the Real Estate or any portion thereof without prior written authorization of Landlord.

23. **CERTIFICATION.** Tenant certifies that it is not acting, directly or indirectly, for or on behalf of any person, group, entity or nation named by any Executive Order or the United States Treasury Department as a terrorist, "Specially Designated National and Blocked Person" or any other banned or blocked person, entity, nation or transaction pursuant to any law, order, rule or regulation that is enforced or administered by the Office of Foreign Assets Control; and it is not engaged in this transaction, directly or indirectly on behalf of, or instigating or facilitating this transaction, directly or indirectly on behalf of, any such person, group, entity or nation. Tenant hereby agrees to defend, indemnify and hold harmless Landlord from and against any and all claims, damages, losses, risks, liabilities and expenses (including attorney's fees and costs) arising from or related to any breach of the foregoing certification.

24. **ADDITIONAL PROVISIONS.**

a. In the event the Landlord wishes to terminate this Lease for the farmland hereinabove described, or any portion thereof, the Landlord may do so for any reason by giving Tenant a thirty (30) day written notice as to the respective farmland, or any portion thereof, for which the Landlord desires to terminate this Lease.

b. Upon giving notice of termination to the Tenant, the Landlord agrees to reduce the cash rent of the Lease for the succeeding years for those acres for which have been terminated. Landlord also herein agrees to allow the Tenant to harvest any existing crops on said terminated acres prior to taking back possession. In the event no crops have been planted at the time of the notice of termination, the Tenant shall cease from planting crops on said terminated acres and Landlord shall be given back possession of said terminated acres.

c. Subject to the above provisions, should be the Landlord desire to take possession of said terminated acres prior to the Tenant harvesting the existing crops, the Landlord shall pay the Tenant reasonable damages for said crop loss.

DATED: 4-30-24

TENANT:



Travis L. Wearda, Tenant

LANDLORDS:

By: John Hawkins, Mayor  
City of Webster City, Landlord  
An Iowa Municipal Corporation



Karyl Bonjour, City Clerk  
City of Webster City  
An Iowa Municipal Corporation

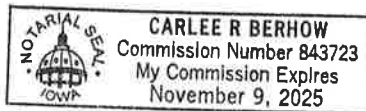
STATE OF IOWA, COUNTY OF HAMILTON

This record was acknowledged before me on \_\_\_\_\_, 2024 by John Hawkins, Mayor of City of Webster City, Iowa, and by Karyl Bonjour, City Clerk of City of Webster City, Iowa.

\_\_\_\_\_  
Signature of Notary Public

STATE OF IOWA, COUNTY OF HAMILTON

This record was acknowledged before me on April 30, 2024 by Travis L. Wearda.



Carlee R. Berhow  
Signature of Notary Public



## MEMORANDUM

**TO:** Mayor and City Council

**FROM:** Adam Dickinson, Line Department Supervisor

**DATE:** May 6, 2024

**RE:** Request to approve 2 separate bid contracts pertaining to the Reisner Substation

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**SUMMARY:** Staff requests to award two (2) separate bid packages in preparation for the construction for the Reisner Substation. This action will require two motions by the City Council for approval.

1. Package #1: Land Grading in preparation for construction of new substation to McDowell & Sons Contractors of Iowa Falls, Iowa.
2. Package #2: Award bidding package to furnish six (6) separate materials needed for the construction of the Reisner Substation.

### PREVIOUS COUNCIL ACTION:

1. November 7, 2022 Council approved the purchase of a Power Transformer to kick off the Reisner Substation Project. A purchase order was submitted to Niagara Power Transformer Corporation in the amount of \$941,448.00 with expected delivery in November - December 2024.
2. February 19<sup>th</sup>, 2024, the City Council approved the Letter of Agreement between Cornbelt Power Cooperative, the City of Webster City, and the North Iowa Municipal Electric Cooperative Association related to cost sharing for the Reisner Substation
3. March 18, 2024, the City Council approved staff to seek 2 separate bid packages and schedule Public Hearings for both: Land Grading Services & Materials Package, both affiliated with the Reisner Substation and drafted by DGR Engineering. This action followed approval of the Reisner Substation Project in the 2024/2025 adopted budget.
4. April 15, 2024, the City Council adopted the 2024/2025 fiscal year budget, including the budget for the Webster City Municipal Electric Utility which included funding for the city's portion of the Reisner Substation.

### BACKGROUND/DISCUSSION:

On April 23, 2024 two (2) separate bid packages were received and opened by DGR Engineering with City Staff in attendance, for:

- 1) Land Grading Services
  - o Eight (8) responsive bids were received ranging from \$366,460.00 to \$584,824.00, see the attached bid tab for specifics.

2) Materials Package

- Bid No. 1 – GOAB Switches: Bids received ranged from \$95,192.45 to \$214,820.00.
- Bid No. 2 – Lightning Arrestors: The submittals ranged from \$4,298.94 to \$12,774.00.
- Bid No. 3 – Potential Transformers (Oil Type): The submittals ranged from \$58,880 to \$103,727.84.
- Bid No. 4 – Cable Trench: The bids received ranged from \$8,874.40 to \$9,378.25.
- Bid No. 5 – Power Cable: Only one bid was submitted in the amount of \$24,300.00.
- Bid No. 6 – Structural Steel: Bids received ranged from \$198,360.91 to \$286,324.00.
- Bid No. 7 – Potential Transformers (Dry Type): Three (3) bids were received ranging from \$79,816.00 to \$87,792.00.

The total purchase price for all contracts related to bid package #2 for materials for the substation is \$396,280.15.

The current project schedule for the main project components is as follows:

- Reisner Substation grading work: Start June 2024, complete July 2024
- Reisner Substation construction: Start August 2024, complete September 2025
- 69kV Transmission Line construction: Start March 2025, complete September 2025

**FINANCIAL IMPLICATIONS:**

- Bid Package #1: Reisner Substation Grading: Engineer’s estimate was \$660,800. Low bidder came in at \$366,460, which is \$294,340 below engineer’s estimate.
- Bid Package #2: Furnishing Substation Materials – Reisner Substation: Engineer’s estimate was \$596,700; excluding taxes. Total of all contracts came in at \$396,280.15. Adding the required 7% tax brings the total to \$424,019.76, which is \$172,680 below engineer’s estimate.

**RECOMMENDATION:**

Staff recommends the City Council take two separate actions as follows to approve the bid packages:

- 1) Award of the contract for the Reisner Substation Grading project to McDowell & Sons Contractors out of Iowa Falls, Iowa for \$366,460.00.
- 2) Materials Package as identified below.
  - Bid No. 1 – GOAB Switches: recommending to award to Dakota Supply Group of Sioux Falls, South Dakota for \$95,192.45. Bids received ranged from \$95,192.45 to \$214,820.00.
  - Bid No. 2 – Lightning Arrestors: recommending to award to the second lowest bidder, WESCO Distribution of Des Moines, Iowa for \$7,284.00. The low bid was from Dakota Supply Group, but their submittal was for Siemens arresters, which were not on the approved manufacture list.
  - Bid No. 3 – Potential Transformers (Oil Type): recommending award to Graybar Electric of Des Moines, Iowa for \$58,880. Their submittal was the lowest received. The submittals ranged from \$58,880 to \$103,727.84.
  - Bid No. 4 – Cable Trench: recommending award to lowest bidder Dakota Supply Group of Sioux Falls, South Dakota for \$8,874.40. The bids received ranged from \$8,874.40 to \$9,378.25.

- Bid No. 5 – Power Cable: recommending award to WESCO Distribution for \$24,300.00. Wesco was the sole bid received.
- Bid No. 6 – Structural Steel: recommending award to Galvanizers of West Fargo, North Dakota in the amount of \$201,749.30. Of the four (4) bids received, Galvanizers was the second lowest bid received. Low bid was received by Klute, Inc. of York, Nebraska however, their bid included terms & exceptions that did not meet specifications and the delivery date does not meet specified delivery date. Bids received ranged from \$198,360.91 to \$286,324.00.
- Bid No. 7 – Potential Transformers (Dry Type): Three (3) bids were received ranging from \$79,816.00 to \$87,792.00. We are recommending all submittals for Bid No. 7 be rejected. City staff has recommended to use oil type transformers as identified in Bid No. 3 which will allow for a lower cost by \$21,000.00.

The total purchase price for all Materials Contracts is \$396,280.15. Adding the required 7% tax brings the total to \$424,019.76.



April 30, 2024 (VIA E-MAIL)

Mr. Adam Dickinson  
Electric Utility Supervisor  
City of Webster City/Municipal Utilities, Iowa

**Re: Award Recommendation  
Reisner Substation Grading  
City of Webster City/Municipal Utilities, Iowa  
DGR Project No. 428403  
City Project No. 9-23-011**

Dear Adam:

We have reviewed the bids received on April 23, 2024 for the above-referenced project. A bid summary form and detailed tabulation of the bid results is enclosed. We have checked the bids for mathematical accuracy and compliance with the bid specifications. We are hereby prepared to offer the following recommendation:

There were eight (8) responsive bids received ranging in price from \$366,460.00 to \$584,824.00. McDowell & Sons Contractors, Inc. of Iowa Falls, Iowa submitted the apparent low bid of **\$366,460.00**.

As our firm is unfamiliar with McDowell & Sons work, we contacted one of their references at the City of Iowa Falls. The reference indicated that McDowell & Sons is very capable of performing a grading and storm sewer project of this scope. Considering the response of their reference and our research into the low bidder, we know of no reason why they should not be awarded the project. We therefore recommend that McDowell & Sons Contractors be awarded the contract for the total contract amount of \$366,460.00.

Please pass our recommendation on to the City Council and let us know when the contract has been awarded. We will then proceed with processing the Contract Documents. Feel free to contact us with any questions you or the Council may have.

Best Regards,

DGR Engineering

A handwritten signature in blue ink that reads 'Dan L. Van Schepen'.

Dan L. Van Schepen, P.E.

Enclosures: Bid Summary  
DLV:adk

**BID SUMMARY**

**REISNER SUBSTATION GRADING  
CITY OF WEBSTER CITY/MUNICIPAL UTILITIES  
WEBSTER CITY, IOWA**



**1302 South Union Street  
Rock Rapids, Iowa 51246  
DGR Project No. 428403  
City Project No. 9-23-011**

**Bid Letting:**

**April 23, 2024 - 2:00 PM  
City Hall  
Page 1 of 1**

<b>Bidder and Address</b>	<b>Bid Security</b>	<b>Ack. Addendum</b>	<b>Bid Price</b>	<b>Comments</b>
<b>McDowell &amp; Sons Contractors</b> 10214 Hwy 65 Iowa Falls, IA 50126	10% Bid Bond	Yes	<b>\$366,460.00</b>	
<b>Peterson Contractors, Inc.</b> Box A Reinbeck, IA 50669	10% Bid Bond	Yes	\$431,935.00	
<b>Cole Excavating, LLC</b> PO Box 617 Greene, IA 50636	10% Bid Bond	Yes	\$459,995.00	
<b>Weidemann, Inc.</b> 105 South Tracy Dows, IA 50071	10% Bid Bond	Yes	\$530,715.00	
<b>Peterson Construction</b> 1929 W 2nd Street Webster City, IA 50595	10% Bid Bond	Yes	\$545,123.75	
<b>Doyle Construction Co.</b> 516 N 6th Street Fort Dodge, IA 50501	10% Bid Bond	Yes	\$559,260.00	
<b>Anderson Drainage &amp; Excavation LLC</b> 407 13th Street North Humboldt, IA 50548	10% Bid Bond	Yes	\$572,225.00	
<b>Riley Armstrong Plumbing and Heating</b> 11 North 20th Street Fort Dodge, IA 50501	10% Bid Bond	Yes	\$584,824.00	

**BID TABULATION**  
**Reisner Substation Grading**

City of Webster City  
 400 Second Street  
 Webster City, IA 50595

LETTING: April 23, 2024 @ 2:00 P.M.



DGR Engineering  
 1302 South Union Street  
 Rock Rapids, IA 51246

DGR PROJECT NO. 428403

BID SECURITY			10% Bid Bond		10% Bid Bond		10% Bid Bond		10% Bid Bond		10% Bid Bond		
BIDDER AND ADDRESS			McDowell & Sons Contractors 10214 Hwy 65 Iowa Falls, IA 50126		Peterson Contractors, Inc. Box A Reinbeck, IA 50669		Cole Excavating, LLC PO Box 617 Greene, IA 50636		Weidemann, Inc. 105 South Tracy Dows, IA 50071		Peterson Construction 1929 W 2nd St Webster City, IA 50595		
ITEM NO.	SPEC NO.	NO. OF UNITS	DESCRIPTION	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
1	2010-108-C	JOB	Clearing and Grubbing, lump sum	L.S.	\$9,000.00	L.S.	\$2,500.00	L.S.	\$28,000.00	L.S.	\$2,000.00	L.S.	\$1,800.00
2	2010-108-E	4,485	Excavation, Class 10, per cu. yd.	5.00	22,425.00	5.00	22,425.00	5.00	22,425.00	9.75	43,728.75	6.75	30,273.75
3	2010-108-E	14,500	Embankment Borrow, per cu. yd.	12.00	174,000.00	16.00	232,000.00	16.00	232,000.00	19.00	275,500.00	18.00	261,000.00
4	2010-108-G	7,100	Subgrade Preparation, 12", per sq. yd.	2.00	14,200.00	1.20	8,520.00	2.00	14,200.00	1.25	8,875.00	3.00	21,300.00
5	2010-108-I	380	Subgrade Treatment, Geogrid, per sq. yd.	2.50	950.00	3.00	1,140.00	10.00	3,800.00	3.00	1,140.00	4.00	1,520.00
6	2010-108-J	7,100	8" Modified Subbase, Limestone, per sq. yd.	12.00	85,200.00	12.50	88,750.00	12.80	90,880.00	16.05	113,955.00	15.00	106,500.00
7	4020-108-A	85	Storm Sewer Trenched, RCP, 15", per lin. ft.	36.00	3,060.00	65.00	5,525.00	75.00	6,375.00	126.65	10,765.25	150.00	12,750.00
8	4020-108-D	4	Storm Sewer Apron, 15", per ea.	1,900.00	7,600.00	1,250.00	5,000.00	2,300.00	9,200.00	1,339.00	5,356.00	1,350.00	5,400.00
9	4040-108-A	700	Subdrain, Perforated, HDPE, 4", per lin. ft.	20.00	14,000.00	15.00	10,500.00	13.50	9,450.00	18.05	12,635.00	35.00	24,500.00
10	4040-108-D	4	Subdrain Outlets, per ea.	600.00	2,400.00	500.00	2,000.00	500.00	2,000.00	500.00	2,000.00	400.00	1,600.00
11	5020-108-I	1	Hydrant Adjustment, per ea.	2,000.00	2,000.00	5,000.00	5,000.00	3,000.00	3,000.00	2,550.00	2,550.00	3,000.00	3,000.00
12	9010-108-X	JOB	Hydraulic Seeding, Fertilizing and Mulching, lump sum	L.S.	6,650.00	L.S.	6,500.00	L.S.	6,500.00	L.S.	6,425.00	L.S.	10,000.00
13	9040-108-A-2	JOB	SWPPP Compliance, lump sum	L.S.	2,500.00	L.S.	4,000.00	L.S.	3,500.00	L.S.	13,600.00	L.S.	10,000.00
14	9040-108-J	100	Rip Rap, per ton	48.00	4,800.00	64.00	6,400.00	75.00	7,500.00	59.75	5,975.00	100.00	10,000.00
15	9040-108-N	870	Silt Fence, per lin. ft.	2.50	2,175.00	2.50	2,175.00	2.50	2,175.00	3.00	2,610.00	4.00	3,480.00

**BID TABULATION**  
**Reisner Substation Grading**

City of Webster City  
 400 Second Street  
 Webster City, IA 50595

LETTING: April 23, 2024 @ 2:00 P.M.



DGR Engineering  
 1302 South Union Street  
 Rock Rapids, IA 51246

DGR PROJECT NO. 428403

BID SECURITY				10% Bid Bond		10% Bid Bond		10% Bid Bond		10% Bid Bond		10% Bid Bond	
BIDDER AND ADDRESS				McDowell & Sons Contractors 10214 Hwy 65 Iowa Falls, IA 50126		Peterson Contractors, Inc. Box A Reinbeck, IA 50669		Cole Excavating, LLC PO Box 617 Greene, IA 50636		Weidemann, Inc. 105 South Tracy Dows, IA 50071		Peterson Construction 1929 W 2nd St Webster City, IA 50595	
ITEM NO.	SPEC NO.	NO. OF UNITS	DESCRIPTION	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
16	9040-108-T	4	Inlet Protection, Install, Maintain and Remove, per ea.	125.00	500.00	250.00	1,000.00	250.00	1,000.00	275.00	1,100.00	500.00	2,000.00
17	11020-108-A	JOB	Mobilization, lump sum	L.S.	15,000.00	L.S.	28,500.00	L.S.	17,990.00	L.S.	22,500.00	L.S.	40,000.00
<b>TOTAL BID</b>				*	<b>\$366,460.00</b>		<b>\$431,935.00</b>		<b>\$459,995.00</b>		<b>\$530,715.00</b>		<b>\$545,123.75</b>

\* Apparent Low Bidder

**Additional Bidders:**

Doyle Construction Co.:	\$559,260.00
Anderson Drainage & Excavation:	\$572,225.00
Riley Armstrong Plumbing:	\$584,824.00



**RESOLUTION NO. 2024 - XXX**

**RESOLUTION APPROVING PLANS AND SPECIFICATIONS, FORM OF CONTRACT AND ESTIMATE OF COST FOR THE CONSTRUCTION OF REISNER SUBSTATION GRADING AND AWARDING CONTRACT TO McDOWELL & SONS CONTRACTORS, INC. OF IOWA FALLS, IOWA IN THE AMOUNT OF \$366,460.00 AS IDENTIFIED BY DGR ENGINEERING IN PREPARATION FOR CONSTRUCTION OF THE REISNER SUBSTATION**

**WHEREAS**, the municipality recently solicited bids for a project involving grading and storm sewer work; and

**WHEREAS**, eight (8) responsive bids were received, with prices ranging from \$366,460.00 to \$584,824.00; and

**WHEREAS**, McDowell & Sons Contractors, Inc. of Iowa Falls, Iowa submitted the apparent low bid of \$366,460.00; and

**WHEREAS**, DGR Engineering conducted due diligence to assess McDowell & Sons' capabilities, including contacting a reference at the City of Iowa Falls, who provided positive feedback regarding their ability to undertake a project of this scope; and

**WHEREAS**, based on our research and the response from their reference, DGR Engineering recommends McDowell & Sons Contractors, Inc. to be suitable for the project.

**NOW THEREFORE BE IT RESOLVED** by the City Council of the City of Webster City, Iowa, as follows:

**Section 1.** The Council hereby approves the plans and specifications, form of contract and estimate of cost for the construction of Reisner Substation Grading.

**Section 2.** The council hereby approves the award of the contract for the grading and storm sewer project to McDowell & Sons Contractors, Inc. of Iowa Falls, Iowa for the total contract amount of \$366,460.00 for Reisner Substation.

**Section 3.** The council authorizes the appropriate department to enter a contract with McDowell & Sons Contractors, Inc. of Iowa Falls, Iowa and to proceed with the project in accordance with the bid specifications and all applicable regulations.

**Be it further resolved**, that all actions taken pursuant to this resolution shall be in accordance with applicable laws, regulations, and municipal policies.

Passed and approved this 6th day of May, 2024.

\_\_\_\_\_  
John Hawkins, Mayor

ATTEST: \_\_\_\_\_  
Karyl K. Bonjour, City Clerk



April 30, 2024 (VIA E-MAIL)

Mr. Adam Dickinson  
Electric Utility Supervisor  
City of Webster City/Municipal Utilities, Iowa

RE: **Recommendation of Award of Contract(s)  
Furnishing Substation Materials – Reisner Substation  
City of Webster City/Municipal Utilities, Iowa  
DGR Project No. 428403  
City Project No. 9-23-011**

Dear Adam:

We have completed our review of the bids received on April 23, 2024 for the substation materials for the subject project. The bid summary forms of the bid results are enclosed. We have checked the bids for mathematical accuracy and compliance with the bid specifications. We are hereby prepared to offer the following recommendations:

**Bid No. 1 – GOAB Switches**

There were seven (7) bids received with a total price range from \$95,192.45 to \$214,820.00, with Dakota Supply Group (DSG) of Sioux Falls, South Dakota providing the low bid. DSG's bid includes GOAB switches manufactured by SEECO. We are familiar with the SEECO switches and see no reason why they should not be awarded the contract. Therefore, we recommend that DSG be awarded the contract for the GOAB Switches for the purchase price amount of **\$95,192.45**.

**Bid No. 2 – Lightning Arresters**

There were four (4) bids received with a total price range from \$4,298.94 to \$12,774.00, with Dakota Supply Group (DSG) of Sioux Falls, South Dakota providing the low bid. DSG's bid includes lightning arresters manufactured by Siemens, which were not on the approved manufacturer list. DSG did not request approval of the Siemens arresters through the process outlined in the bidding documents, therefore we recommend rejecting their bid. The next lowest responsive bid received was WESCO Distribution of Des Moines, Iowa. WESCO's bid includes lightning arresters manufactured by ABB/Hitachi. We are familiar with the ABB/Hitachi arresters and see no reason why they should not be awarded the contract. Therefore, we recommend that WESCO be awarded the contract for the Lightning Arresters for the purchase price amount of **\$7,284.00**.

### **Bid No. 3 – Potential Transformers (Oil Type)**

There were three (3) bids received with a total price range from \$58,880.00 to \$103,727.84, with Graybar Electric of Des Moines, Iowa providing the low bid. Graybar's bid includes an oil type potential transformer manufactured by GE. We are familiar with the GE potential transformers and see no reason why they should not be awarded the contract. Therefore, we recommend that Graybar be awarded the contract for the Potential Transformers for the purchase price amount of **\$58,880.00**.

### **Bid No. 4 – Cable Trench**

There were two (2) bids received with a total price range from \$8,874.40 to \$9,378.25, with Dakota Supply Group (DSG) of Sioux Falls, South Dakota providing the low bid. DSG's bid includes cable trench manufactured by Concast. We are familiar with the Concast cable trench and see no reason why they should not be awarded the contract. Therefore, we recommend that DSG be awarded the contract for the Cable Trench for the purchase price amount of **\$8,874.40**.

### **Bid No. 5 – Power Cable**

There was one (1) bid received with a total price of \$24,300.00 from WESCO Distribution of Des Moines, Iowa providing the bid. WESCO's bid includes power cable manufactured by Okonite. We are familiar with the Okonite cable and while they did include a copper metals escalation/de-escalation clause, we see no reason why they should not be awarded the contract. Therefore, we recommend that WESCO be awarded the contract for the Power Cable for the purchase price amount of **\$24,300.00**.

### **Bid No. 6 – Structural Steel**

There were four (4) bids received with a total price range from \$198,360.91 to \$286,324.00, with Klute, Inc. of York, Nebraska providing the low bid. Klute's bid includes structural steel manufactured by Klute and a delivery date of April 22, 2025. Their bid included terms and exceptions that do not meet the specifications and the delivery date does not meet the specified delivery date; therefore, we recommend rejecting their bid. The next lowest responsive bid received was Galvanizers, Inc. of West Fargo, North Dakota. Galvanizers' bid includes structural steel manufactured by Galvanizers. We are familiar with Galvanizers structural steel and see no reason why they should not be awarded the contract. Therefore, we recommend that Galvanizers be awarded the contract for Structural Steel for the purchase price amount of **\$201,749.30**.

### **Bid No. 7 – Potential Transformers (Dry Type)**

There were three (3) bids received with a total price range from \$79,816.00 to \$87,792.00, with RESCO of Elkhart, Iowa providing the low bid. This bid form was included to allow the City the option to select either oil type potential transformers (listed under Bid No. 3) or dry type potential transformers (listed here). After discussion with City staff, we recommend purchasing the oil type potential transformers under Bid No. 3 at a lower cost. No award is necessary from this list of bids. Therefore, we recommend rejecting all bids for Bid No. 7.

The total purchase price for all contracts is **\$396,280.15**. Adding the required 7.0% tax brings the total to **\$424,019.76**.

Please review our recommendation and feel free to contact me with any questions you or the Council may have. Please let us know when an award has been made, and we will prepare the Contract Documents for signatures.

Best Regards,

DGR Engineering



Ryan Kleinjan, P.E.

Enclosure: Bid Summaries  
RDk:ste

**BID SUMMARY**

**FURNISHING SUBSTATION MATERIALS - REISNER SUBSTATION  
CITY OF WEBSTER CITY/MUNICIPAL UTILITES  
WEBSTER CITY, IOWA**

**DGR**  
**ENGINEERING**  
1302 South Union Street  
Rock Rapids, Iowa 51246  
DGR Project No. 428403  
City Project No. 9-23-011

**Bid Letting:** April 23, 2024 - 2:30 PM  
City Hall  
Page 1 of 7

Bidder and Address	Bid Security	Ack. Add. (2)	Bid No. 1: GOAB Switches			Comments
			Bid Price	Manufacturer	Delivery Date	
<b>Dakota Supply Group</b> 800 E 60th Street N Sioux Falls, SD 57104	10% Bid Bond	#1	\$95,192.45	SEECO	12-14 Weeks ARO	
<b>RESCO</b> 1308 NW Laurel Street Elkhart, IA 50073	10% Bid Bond	Yes	\$95,824.00	SEECO	5-7 Weeks	
<b>WESCO Distribution</b> 2301 Fleur Drive Des Moines, IA 50321	10% Bid Bond	No	\$97,097.00	SEECO	12 Weeks	
<b>RESCO</b> 1308 NW Laurel Street Elkhart, IA 50073	10% Bid Bond	Yes	\$115,080.00	Hubbell	Approx. 54 Weeks	
<b>RESCO</b> 1308 NW Laurel Street Elkhart, IA 50073	10% Bid Bond	Yes	\$148,072.00	Pascor Atlantic	50-52 Weeks	
<b>RESCO</b> 1308 NW Laurel Street Elkhart, IA 50073	10% Bid Bond	Yes	\$149,080.00	Pascor	28-30 Weeks	
<b>Graybar Electric</b> 600 E 4th Street Des Moines, IA 50309	10% Bid Bond	#1	\$214,820.00	GE	41-43 Weeks ARO	Manufacturer is not on project approved list

Corrected Bid Price

**BID SUMMARY**

**FURNISHING SUBSTATION MATERIALS - REISNER SUBSTATION  
CITY OF WEBSTER CITY/MUNICIPAL UTILITIES  
WEBSTER CITY, IOWA**



**1302 South Union Street  
Rock Rapids, Iowa 51246  
DGR Project No. 428403  
City Project No. 9-23-011**

**Bid Letting:**

**April 23, 2024 - 2:30 PM  
City Hall  
Page 2 of 7**

Bidder and Address	Bid Security	Ack. Add. (2)	Bid No. 2: Lightning Arresters			Comments
			Bid Price	Manufacturer	Delivery Date	
<b>Dakota Supply Group</b> 800 E 60th Street N Sioux Falls, SD 57104	10% Bid Bond	#1	\$4,298.94	Siemens	14-16 Weeks ARO	Manufacturer is not on project approved list
<b>WESCO Distribution</b> 2301 Fleur Drive Des Moines, IA 50321	10% Bid Bond	No	<b>\$7,284.00</b>	ABB/Hitachi	14 Weeks	
<b>RESCO</b> 1308 NW Laurel Street Elkhart, IA 50073	10% Bid Bond	Yes	\$7,764.00	Hubbell	Approx. 170 Days	
<b>Graybar Electric</b> 600 E 4th Street Des Moines, IA 50309	10% Bid Bond	#1	\$12,774.00	GE	30 Weeks ARO	Manufacturer is not on project approved list

Corrected Bid Price

**BID SUMMARY**

**FURNISHING SUBSTATION MATERIALS - REISNER SUBSTATION  
CITY OF WEBSTER CITY/MUNICIPAL UTILITIES  
WEBSTER CITY, IOWA**



**1302 South Union Street  
Rock Rapids, Iowa 51246  
DGR Project No. 428403  
City Project No. 9-23-011**

**Bid Letting:**

**April 23, 2024 - 2:30 PM  
City Hall  
Page 3 of 7**

Bidder and Address	Bid Security	Ack. Add. (2)	Bid No. 3: Potential Transformers (Oil Type)			Comments
			Bid Price	Manufacturer	Delivery Date	
<b>Graybar Electric</b> 600 E 4th Street Des Moines, IA 50309	10% Bid Bond	#1	\$58,880.00	GE	32-33 Weeks ARO	
<b>RESCO</b> 1308 NW Laurel Street Elkhart, IA 50073	10% Bid Bond	Yes	\$80,216.00	ITEC	Approx. 20-22 Weeks	
<b>Dakota Supply Group</b> 800 E 60th Street N Sioux Falls, SD 57104	10% Bid Bond	#1	\$103,727.84	ITEC	22-24 Weeks ARO	

Corrected Bid Price

**BID SUMMARY**

**FURNISHING SUBSTATION MATERIALS - REISNER SUBSTATION  
CITY OF WEBSTER CITY/MUNICIPAL UTILITES  
WEBSTER CITY, IOWA**

**DGR**  
**ENGINEERING**  
1302 South Union Street  
Rock Rapids, Iowa 51246  
DGR Project No. 428403  
City Project No. 9-23-011

**Bid Letting:**                      **April 23, 2024 - 2:30 PM**  
**City Hall**  
**Page 4 of 7**

Bidder and Address	Bid Security	Ack. Add. (2)	Bid No. 4: Cable Trench			Comments
			Bid Price	Manufacturer	Delivery Date	
Dakota Supply Group 800 E 60th Street N Sioux Falls, SD 57104	10% Bid Bond	#1	<b>\$8,874.40</b>	Concast	10-11 Weeks ARO	
RESCO 1308 NW Laurel Street Elkhart, IA 50073	10% Bid Bond	Yes	\$9,378.25	Concast	Est. 10-11 Weeks	

Corrected Bid Price



**BID SUMMARY**

**FURNISHING SUBSTATION MATERIALS - REISNER SUBSTATION  
CITY OF WEBSTER CITY/MUNICIPAL UTILITES  
WEBSTER CITY, IOWA**



**1302 South Union Street  
Rock Rapids, Iowa 51246  
DGR Project No. 428403  
City Project No. 9-23-011**

**Bid Letting:**

**April 23, 2024 - 2:30 PM  
City Hall  
Page 5 of 7**

Bidder and Address	Bid Security	Ack. Add. (2)	Bid No. 5: Power Cable			Comments
			Bid Price	Manufacturer	Delivery Date	
WESCO Distribution 2301 Fleur Drive Des Moines, IA 50321	10% Bid Bond	No	\$24,300.00	Okonite	Stock	Copper Metals Escalation/de-escalation Clause

Corrected Bid Price

**BID SUMMARY**

**FURNISHING SUBSTATION MATERIALS - REISNER SUBSTATION  
CITY OF WEBSTER CITY/MUNICIPAL UTILITES  
WEBSTER CITY, IOWA**

**DGR**  
**ENGINEERING**  
1302 South Union Street  
Rock Rapids, Iowa 51246  
DGR Project No. 428403  
City Project No. 9-23-011

**Bid Letting:**                      **April 23, 2024 - 2:30 PM**  
**City Hall**  
**Page 6 of 7**

Bidder and Address	Bid Security	Ack. Add. (2)	Bid No. 6: Structural Steel			Comments
			Bid Price	Manufacturer	Delivery Date	
<b>Klute, Inc.</b> 1313 Road G York, NE 68467	10% Bid Bond	No	\$198,360.91	Klute	Anchor Bolts: 8/5/2024 Steel Structures: 4/22/2025	Does not meet March 15, 2025 delivery specified Included Terms & Conditions.
<b>Galvanizers, Inc.</b> 1202 7th Avenue NE West Fargo, ND 58078	10% Bid Bond	#1	<b>\$201,749.30</b>	Galvanizers	Anchor Bolts: 8/5/2024 Steel Structures: 3/15/2025	
<b>Dakota Supply Group</b> 800 E 60th Street N Sioux Falls, SD 57104	10% Bid Bond	#1	\$208,629.90	Galvanizers	Anchor Bolts: August 2024 Steel Structures: August 2025	
<b>Grid Structures, LLC</b> 13040 Foulks Lane Amite City, LA 70422	10% Bid Bond	No	\$286,324.00	Grid Structures	Anchor Bolts: 10 Weeks ARO Steel Structures: 25 Weeks ARO	No Bidder Status Form Included

Corrected Bid Price

**BID SUMMARY**

**FURNISHING SUBSTATION MATERIALS - REISNER SUBSTATION  
CITY OF WEBSTER CITY/MUNICIPAL UTILITIES  
WEBSTER CITY, IOWA**



**ENGINEERING**  
1302 South Union Street  
Rock Rapids, Iowa 51246  
DGR Project No. 428403  
City Project No. 9-23-011

**Bid Letting: April 23, 2024 - 2:30 PM**  
**City Hall**  
**Page 7 of 7**

Bidder and Address	Bid Security	Ack. Add. (2)	Bid No. 7: Potential Transformers (Dry Type)			Comments
			Bid Price	Manufacturer	Delivery Date	
<b>RESCO</b> 1308 NW Laurel Street Elkhart, IA 50073	10% Bid Bond	Yes	\$79,816.00	Ritz	Approx. 12-14 Weeks	Moved from Bid Form No. 3
<b>Graybar Electric</b> 600 E 4th Street Des Moines, IA 50309	10% Bid Bond	#1	\$84,720.00	GE	80 Weeks ARO	
<b>WESCO Distribution</b> 2301 Fleur Drive Des Moines, IA 50321	10% Bid Bond	No	\$87,792.00	Ritz	12-14 Weeks ARO	Moved from Bid Form No. 3

Corrected Bid Price

## RESOLUTION NO. 2024 - XXX

### RESOLUTION APPROVING AND CONFIRMING PLANS, SPECIFICATIONS, AND ESTIMATE OF COST FOR SIX MAJOR SUBSTATION MATERIALS, AS DEFINED, NEEDED FOR CONSTRUCTION OF THE REISNER SUBSTATION AND AWARD OF CONTRACTS TO MULTIPLE SUPPLIERS FOR MATERIALS AS OUTLINED IN THIS RESOLUTION

**WHEREAS**, plans and specifications and estimate of cost for Substation Materials have been prepared for construction of the Reisner Substation; and

**WHEREAS**, the municipality has issued a bid for the procurement of various materials crucial for ongoing infrastructure projects; and

**WHEREAS**, the bid process has been completed, and the winning bids have been thoroughly evaluated by the appropriate department and specialized engineers; and

**WHEREAS**, it is in the best interest of the municipality to proceed with the purchase of these materials to ensure the timely completion of essential projects.

**NOW THEREFORE BE IT RESOLVED** by the City Council of the City of Webster City, Iowa, as follows:

**Section 1.** The council hereby approves the plans, specifications and estimate of cost for materials for the construction of the Reisner Substation.

**Section 2:** The council hereby approves the purchase of materials as outlined in the recent bid, in accordance with the terms and conditions specified herein. The materials to be purchased include, but are not limited to:

- Bid No. 1 – GOAB Switches, award to Dakota Supply Group of Sioux Falls, South Dakota for the purchase price amount of \$95,192.45
- Bid No. 2 – Lightning Arresters, award to WESCO Distribution of Des Moines, Iowa for the purchase price amount of \$7,284.00
- Bid No. 3 – Potential Transformers (Oil Type), award to Graybar Electric of Des Moines, Iowa for the purchase price amount of \$58,880.00.
- Bid No. 4 – Cable Trench, award to Dakota Supply Group of Sioux Falls, South Dakota for the purchase price amount of \$8,874.40.
- Bid No. 5 – Power Cable, award to WESCO Distribution of Des Moines, Iowa for the purchase price amount of \$24,300.00.
- Bid No. 6 – Structural Steel, award to Galvanizers, Inc. of West Fargo, North Dakota in the price amount of \$201,749.30.

**Section 3.** The Council authorizes the relevant department to enter into contracts with the winning bidders and to proceed with the procurement process.

**Section 4.** The council directs the finance department to allocate the necessary funds from the budget to cover the cost of the materials as per the bid specifications.

**Section 5.** The council mandates regular updates from the department responsible for the procurement process to ensure transparency and accountability.

**Be it further resolved,** that all actions taken pursuant to this resolution shall be in accordance with applicable laws, regulations, and municipal policies.

Passed and approved this 6th day of May, 2024.

---

John Hawkins, Mayor

ATTEST: \_\_\_\_\_  
Karyl K. Bonjour, City Clerk



TO: Mayor and Council

FROM : Adam Dickinson, Line Department Supervisor

DATE: May 6, 2024

RE: Adopt a Resolution to Set a Public Hearing on proposed plans, specifications, form of contract and estimate of cost for the Construction Contract for the 2022 Electrical Underground Conversion Project #9-22-006 (East Side Conversion Project)

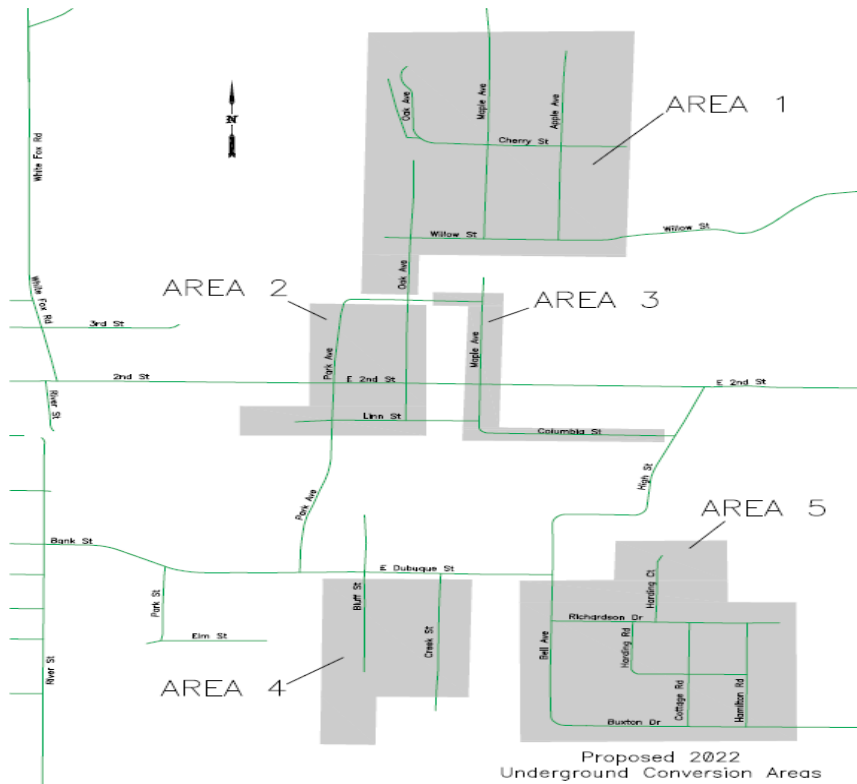
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**SUMMARY:** The 2022 Electrical Conversion Project (East Side Conversion Project) bidding requirements, contract documents, construction specifications, and drawings are prepared and the project is ready to rebid. The project will consist of converting the overhead system to an underground distribution (URD) system within 5 areas: **Note map.**

**PREVIOUS COUNCIL ACTION:** At the February 27, 2022 Council Meeting, the Council rejected all bids on the 2022 Electrical Underground Conversion Project. At which time, the previously scheduled Public Hearing for the review of plans and specifications was cancelled. After consulting with engineers, it was determined that the project would be re-bid at a time when supply chain may be better.

At the September 6, 2022 Council Meeting, the council adopted a resolution to set the public hearing on proposed plans, specifications, form of contract, and estimate of cost for furnishing materials for the 2022 Electric Underground Conversion Project. On October 3, 2022 City Council adopted a resolution approving and confirming cost for furnishing materials in the amount of \$427,706.17 for the 2022 Electrical Underground Conversion Project. On January 16, 2023 City council adopted a resolution approving and confirming of costs for furnishing the final materials in the amount of \$365,456.95 for the 2022 Electrical Underground Conversion Project.

**BACKGROUND/DISCUSSION:** The project converts the overhead electrical to URD as part of our URD 25 Year Plan. The project will not only alleviate overhead outage problems ranging from old copper wire lines needing replacement to weather influences to animals climbing resulting in costly maintenance and repairs, but also help toward obtaining our goal of converting the overhead to URD.



The extent of the work involved is the furnishing of labor and new materials (other than those provided by the City) for installing underground electric facilities, including conduit, cable (600 volt and 15kV class) transformers, pedestals, and related items in accordance with the contract documents. The Scope of the project is shown in the shaded area diagram above.

The proposed project schedule is as follows:

- 5/6/2024 6:00 PM Webster City Council authorizes bidding and sets hearing date
- 5/7/2024 Issue contract for bidding
- 5/7/24-5/24/24 Publish Notice to Bidders on web sites (13 - 45 days)
- 5/28/24-6/13/24 Publish Notice of Public Hearing (4 - 20 days)
- 5/17/2024 1:00 PM Pre-bid meeting
- 6/5/2024 3:00 PM Bid Opening
- 6/12/2024 Recommendation to Webster City
- 6/17/2024 6:05 PM Webster City Council hearing and award contract
- 6/18/2024 issue notice of award
- 6/25/2024 Receive performance bond and insurance certificates
- 6/28/2024 Signed Contract
- 7/1/2024 Issue Notice to Proceed
- 7/8/2024 Earliest possible start date
- 11/29/2025 Substantial completion
- 12/31/2025 Final Project completion

**FINANCIAL IMPLICATIONS:**

10-3-22 Materials were purchased from Wesco in the amount of \$427,706.17.

1-17-23 Materials were purchased from Rural Electric Supply Cooperative in the amount of \$355,435.04

1-17-23 Materials were purchased from Wesco in the amount of \$10,021.91

6-15-23 Total material cost to date \$793,163.12

Engineering Fees

Schlotfeldt Engineering – Easement Staking \$11,040.25

P&E Engineering - \$86,116.42

Total Engineering cost to date - \$97,156.67

Materials and Engineering cost to date – \$890,319.79

The estimate that was prepared for the City August 29, 2022 by P&E Engineering Co. was based on historical costs and normal inflation. P&E Engineering Co. estimated the value of the contract at that time to be \$1,484,000.00. Based on historical costs, recent bid results and inflation, P&E Engineering has raised their current estimate to \$2,250,000.00. This current estimate does not include any of the materials the city has already purchased. If the bids received fall within the engineer’s estimate, the total project cost will be \$3,140,319.79.

The 2024/2025 budget adopted by the City Council included 1.9 million dollars in bond proceeds to be allocated toward this project. While current estimates are above the 1.9 million dollars, costs savings realized in the recommended contract awards for the Reisner Substation related to site grading and materials amounted to approximately \$470,000. These savings may be re-allocated to the undergrounding project under the covenants of the electric utility revenue bonds to cover the increased price for the undergrounding project should the project come in at the estimated 2.25 million and if the City Council determines to award the bids.

**RECOMMENDATION:** Staff recommends adopting a Resolution to Set a Public Hearing on Proposed Plans and Specifications, Form of Contract, and Estimate of Cost for the Construction Contract for the 2022 Electrical Underground Conversion Project (Ease Side Conversion Project).



**RESOLUTION NO. 2024 - \_\_\_\_**

**RESOLUTION TO SET A PUBLIC HEARING ON PROPOSED PLANS, SPECIFICATIONS, FORM OF CONTRACT AND ESTIMATE OF COST FOR THE 2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT (Project # 9-22-006) (EAST SIDE CONVERSION PROJECT)**

**WHEREAS**, the City Council of the City of Webster City, Iowa, has determined that it is necessary and desirable that a public improvement be done as described in the proposed plans, specifications, form of contract, and estimate of cost, which may be hereafter referred to as the 2022 Electrical Underground Conversion Project, (East Side Conversion Project, and is sometimes hereinafter referred to as the Project); and

**WHEREAS**, it is necessary to fix a time and place of public hearing on the construction contract for the Project and to advertise for sealed bids for the Project.

**NOW THEREFORE BE IT RESOLVED** by the City Council of the City of Webster City, Iowa, as follows:

**Section 1.** The detailed proposal, notice of hearing and estimate of cost referred to in the preamble hereof be and the same are hereby approved.

**Section 2.** The Project is necessary and desirable for the City, and it is in the best interests of the City to proceed.

**Section 3.** The amount of the bid security to accompany each bid is hereby fixed at 100% of the amount of the proposal.

**Section 4.** Sealed proposals will be received by the City Clerk of Webster City, at the Council Chambers of the City Council, in the City Hall of said City, until 3:00 p.m. on the 5th day of June, 2024, for the 2022 Electrical Underground Conversion Project (East Side Conversion Project), as described in the plans and specifications therefor now on file in the office of the City Clerk. Proposals will be opened by City Staff appointed by the City Council as provided by Section 384.101, Code of Iowa.

**Section 5.** The 17th day of June, 2024, at 6:05 o'clock p.m. at the City Hall, Webster City, Iowa, is hereby fixed as the time and place of hearing on the bidding requirements, contract documents, construction specifications, and drawings for the Project, and also as the time and place of considering bids previously received by the City Clerk in connection therewith.

**Section 6.** The City Clerk is hereby authorized and directed to give notice of the aforementioned hearing and letting by publication of such notices in a newspaper of general circulation in the City, which publication shall be made not less than four nor more than twenty days prior to the time of the said hearing, all in conformity with Chapters 362, 384, and 26 of the Code of Iowa. The said notice shall be in the form substantially as attached to this resolution.

**Section 7.** All provisions set out in the following form of notice are hereby recognized and prescribed by this Council and all resolutions or orders or parts thereof, to the extent the same may be in conflict herewith, are hereby repealed.

Passed and approved this 6th day of May, 2024.

\_\_\_\_\_  
John Hawkins, Mayor

ATTEST: \_\_\_\_\_  
Karyl K. Bonjour, City Clerk

NOTICE TO BIDDERS AND NOTICE OF PUBLIC HEARING ON PROPOSED PLANS, SPECIFICATIONS, FORM OF CONTRACT, AND ESTIMATE OF COST FOR CONSTRUCTION OF "EAST SIDE CONVERSION PROJECT", IN AND FOR THE CITY OF WEBSTER CITY, IOWA, AND THE TAKING OF BIDS FOR SAID IMPROVEMENTS

Sealed proposals, subject to the conditions contained herein, will be received at the office of the City Clerk in City Hall, 400 Second Street, Webster City, Iowa, 50595, until 3:00 o'clock p.m. on the 5<sup>th</sup> day of June, 2024 for:

Construction of "East Side Conversion Project", as hereinafter described in general and as described in detail in the plans and specifications now on file in the office of the City Clerk, Webster City, Iowa.

Proposals received will be opened, read aloud, tabulated, and referred to the City Council for consideration at 6:05 p.m. on the 17<sup>th</sup> day of June, 2024. Bids will be acted upon at such time or at such later time as may then be fixed. Prior thereto, at said time specified above, in the City Council Chambers at Webster City Hall, a hearing will be held on the proposed plans, specifications, form of contract, and estimate of cost for said Improvements, and at said hearing any interested person may appear and file objections thereto.

The extent of the work involved is the furnishing of labor and new materials (other than materials to be provided by Owner) for installing underground electric facilities, including conduit, cable (600 volt and 15kV class), transformers, pedestals, and related items in accordance with the contract documents.

The Proposal shall be made out on the form furnished by the City of Webster City and obtained from P&E Engineering Co., and must be accompanied in a separate sealed envelope by either: (1) a certified check, or a cashier's check drawn on an Iowa bank, or a bank chartered under the laws of the United States, in an amount of 5% of bid amount; or (2) a certified share draft drawn on a credit union in Iowa or chartered under the laws of the United States, in an amount of 5% of bid amount; or (3) a bid bond executed by a corporation authorized to contract as a surety in the State of Iowa, in the penal sum of 5% of bid amount.

The bid security shall be made payable to the City Clerk of the City of Webster City, Iowa.

The bid security must not contain any conditions either in body or as an endorsement thereon. The bid security shall be forfeited to the City as liquidated damages in the event the successful bidder fails or refuses to enter into contract within ten (10) days after the award of contract and post bond satisfactory to the City insuring the faithful fulfillment of the contract and the maintenance of said work, if required, pursuant to the provisions of this notice and the other contract documents. The City will accept bid bond forms that meet the Requirements of Iowa Code Section 26.8.

Contractors and subcontractors shall include all applicable taxes in the bid amount. The City is not exempt from State of Iowa Sales and Use tax for materials that are incorporated into an electric utility project.

Bidders shall not be permitted to withdraw their bids for a period of sixty (60) days after the same are opened.

By virtue of statutory authority, a preference will be given to products and provisions grown and produced within the State of Iowa and to Iowa domestic labor.

In accordance with Iowa statutes, a resident bidder shall be allowed a preference as against a nonresident bidder from a state or foreign country if that state or foreign country gives or requires any



CITY OF WEBSTER CITY, IOWA										
ELECTRIC EQUIPMENT & IMPROVEMENTS										
2024 - 2025 PROPOSED BUDGET										
	2021-2022	2022-2023	2023-2024	2024-2025	Prior Year	2025-2026	2026-2027	2027-2028	2028-2029	COMMENTS
REVENUE	Actual	Actual	Budget	Proposed	+/-	Forecast	Forecast	Forecast	Forecast	
FY 23/24 Debt Proceeds (AMI)			2,000,000		(1,000,000)					
FY 24/25 Debt Proceeds (Reisner)				4,300,000	4,300,000					
FY 24/25 Debt Proceeds (URD East)				1,900,000	1,900,000					
FY 25/26 Debt Proceeds Dist. Imp. Sub. Leaders										
FY 26/27 Debt Proceeds (URD Sunset)						1,300,000	3,500,000			Needed for New Reisner Sub
FY 28/29 Debt Proceeds (URD Pkview)										
<b>DEBT PROCEEDS</b>						1,300,000	3,500,000		2,500,000	
Com Belt Contribution (Reisner Substation)			2,000,000	6,200,000	4,200,000	1,300,000	2,500,000		2,500,000	
Com Belt Contribution (69KV Transmission)				2,800,000	2,800,000					
<b>INTERGOVERNMENTAL</b>				8,625,000	8,625,000					
Fees - Electric Operations	700,000		778,052	632,300	(145,752)	481,300	149,050	144,050		
<b>TRANSFERS IN</b>	700,000		778,052	632,300	(145,752)	481,300	149,050	144,050		
<b>TOTAL REVENUE</b>	700,000		2,778,052	15,457,300	12,679,248	1,781,300	2,649,050	144,050	2,500,000	
<b>EXPENDITURES</b>										
URD Conversion (2023) CIP	193,171									
Administrator Panel Project	24,966									
Beech & 2nd (part of 2021 2nd st)	99,970									
City Hall Basement	15,612									
ADA Transition Plan	12,654									
Pleasant Hill Rebusure	20,481									
New 69KV Transmission Lines	434									
Fuse Coordination Study	17,823									
Traffic Signals	394									
Woodstock Capacitor Bank			20,000		(20,000)					
City Hall HVAC			40,000		(40,000)					
Watches, Capacitors, Volt Regulators	423		187,500		25,000					775K planned for 24/25 to be moved
RAC Flash Study			187,500		175,000					
AMI Meters			40,000		40,000					
Reisner Substation	309		900,000		200,000					
URD Conversion (East Side)	57,612		195,832		6,904,068					4.3 million City Cost
Phase 1 Improve (feeder inc. for Reisner)	66,527				5,950,000					125K City Cost
Underground Conversion (Sunset)					1,900,000					1.3 City Cost
Power Factor Study						1,000,000		1,500,000		
Underground Conversion (Pleasant Hill)								20,000		
Reisner Sub Upgrades									2,500,000	
Priority Sub Upgrades										
Reisner Sub-Decommission										
Sweet's Sub Single Phase tie line										
<b>TOTAL SYSTEM IMPROVEMENTS</b>	400,246		1,343,432	16,477,500	15,134,068	1,300,000	2,000,000	1,520,000	2,500,000	
Information Technology & GIS	16,481		37,370	27,800	(9,570)					
Public Works Admin	2,058		1,250		(1,250)					
Electric Distribution	46,107		8,000							
Leazer - Underground Utilities			55,000							
Rack & Barring Rod Assembly			20,000							
VAC Unit			165,000							
Brush Chipper				75,000						
Wire Reel Trailer				25,000						
Digger/Derrick (Ordered Feb. 2023)										
Pickup w/utility box #2										
Skid Loader										
Dump Trailer										
Pickup & Customized box for Electrician										
USED DUMP TRUCK YR 1										
Pickup w/utility box #1										
<b>TOTAL EQUIPMENT</b>	64,646		298,620	127,600	(118,820)	481,300	149,050	124,050	45,000	
<b>TOTAL EXPENDITURES</b>	464,892		1,330,052	16,605,300	14,975,248	1,781,300	2,149,050	1,644,050	2,540,000	
REV over (under) exp.	235,108		1,148,000	(1,148,000)						
Audit Adjustment										
<b>BEGINNING FUND BALANCE</b>					1,148,000					
<b>ENDING FUND BALANCE</b>					(1,148,000)					

April 29, 2024

Ms. Dedra Nerland  
Webster City  
400 2nd St.  
Webster City, IA 50595

Dear Dedra:

The following opinion of probable cost is my best estimate of the value of the bids that I anticipate you will receive for the installation contract for the East Side Conversion Project.

My estimate based on historical costs, recent bid results, and inflation is \$2,250,000.

Please note that I have no control over the cost or availability of labor, equipment, or materials, or over market conditions, and that this opinion of probable cost is made solely on the basis of my professional judgment and experience. I do not make any warranty, express or implied, that the bids will not vary from this opinion of probable cost.

Sincerely,



Allan Powers, P.E.

cc: Mr. Adam Dickinson

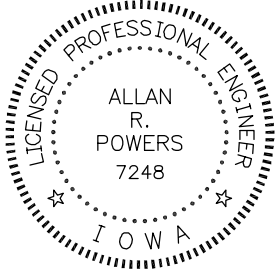
East Side Conversion Project  
 Construction Contract Bidding Schedule  
 City Project No. 9-22-006-1  
 Revised 4/21/24

Date	Time	Event
4/20/2024		Contract and Cost Estimate to Webster City for review
5/6/2024	6:00 PM	Webster City Council authorizes bidding and sets hearing date
5/7/2024		Issue contract for bidding
5/7/24-5/24/24		Publish Notice to Bidders on web sites (13 - 45 days)
5/28/24-6/13/24		Publish Notice of Public Hearing (4 - 20 days)
5/17/2024	1:00 PM	Pre-bid meeting
6/5/2024	3:00 PM	Bid Opening
6/12/2024		Recommendation to Webster City
6/17/2024	6:05 PM	Webster City Council hearing and award contract
6/18/2024		issue notice of award
6/25/2024		Receive performance bond and insurance certificates
6/28/2024		Signed Contract
7/1/2024		Issue Notice to Proceed
7/8/2024		Earliest possible start date
11/29/2025		Substantial completion
12/31/2025		Final Project completion

# WEBSTER CITY

## East Side Conversion Project CONSTRUCTION CONTRACT

### BIDDING REQUIREMENTS, CONTRACT DOCUMENTS, CONSTRUCTION SPECIFICATIONS, AND DRAWINGS

	I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.
	<p>(signature) _____ (date) _____ ALLAN R. POWERS, IOWA REG. NO. 07248 MY LICENSE RENEWAL DATE IS DECEMBER 31, 2024 PAGES OR SHEETS COVERED BY THIS SEAL: _____ As listed on Index Page 00000-1 _____</p>



ISSUED FOR BIDDING  
May 6, 2024



**WEBSTER CITY**  
**East Side Conversion Project**  
**City Project No. 9-22-006**

**Construction Contract**  
**Index**

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00200	Instructions to Bidders
00410	Bid Form
00430	Bid Bond
Contract Documents	
00520	Agreement
00610	Performance Bond
00615	Payment Bond
00700	General Conditions of the Contract {These are the Standard General Conditions of the Construction Contract as published by the Engineers Joint Contract Documents Committee (EJCDC) as Document No. C700 (2018 Edition)}
00800	Supplementary Conditions
Construction Specifications	
01000	General Requirements
16402	Underground Distribution Construction
16405	Railroad Permit
16910	Materials
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16925	Labor Units and Construction Modules
E9848-017	Major Project Labor Units
E9848-020	Project Module Index
Construction Drawings	
See Drawing Index on Sheet E9848-001	

**WEBSTER CITY**  
**East Side Conversion Project**  
**City Project No. 9-22-006**  
**Construction Contract**  
**Section 00100 – Notice to Bidders and Notice of Public Hearing**

NOTICE TO BIDDERS AND NOTICE OF PUBLIC HEARING ON PROPOSED PLANS, SPECIFICATIONS, FORM OF CONTRACT, AND ESTIMATE OF COST FOR CONSTRUCTION OF “EAST SIDE CONVERSION PROJECT”, IN AND FOR THE CITY OF WEBSTER CITY, IOWA, AND THE TAKING OF BIDS FOR SAID IMPROVEMENTS

Sealed proposals, subject to the conditions contained herein, will be received at the office of the City Clerk in City Hall, 400 Second Street, Webster City, Iowa, 50595, until 3:00 o'clock p.m. on the 5<sup>th</sup> day of June, 2024 for:

Construction of “East Side Conversion Project”, as hereinafter described in general and as described in detail in the plans and specifications now on file in the office of the City Clerk, Webster City, Iowa.

Proposals received will be opened, read aloud, tabulated, and referred to the City Council for consideration at 6:05 p.m. on the 17<sup>th</sup> day of June, 2024. Bids will be acted upon at such time or at such later time as may then be fixed. Prior thereto, at said time specified above, in the City Council Chambers at Webster City Hall, a hearing will be held on the proposed plans, specifications, form of contract, and estimate of cost for said Improvements, and at said hearing any interested person may appear and file objections thereto.

The extent of the work involved is the furnishing of labor and new materials (other than materials to be provided by Owner) for installing underground electric facilities, including conduit, cable (600 volt and 15kV class), transformers, pedestals, and related items in accordance with the contract documents.

The Proposal shall be made out on the form furnished by the City of Webster City and obtained from P&E Engineering Co., and must be accompanied in a separate sealed envelope by either: (1) a certified check, or a cashier's check drawn on an Iowa bank, or a bank chartered under the laws of the United States, in an amount of 5% of bid amount; or (2) a certified share draft drawn on a credit union in Iowa or chartered under the laws of the United States, in an amount of 5% of bid amount; or (3) a bid bond executed by a corporation authorized to contract as a surety in the State of Iowa, in the penal sum of 5% of bid amount.

The bid security shall be made payable to the City Clerk of the City of Webster City, Iowa.

The bid security must not contain any conditions either in body or as an endorsement thereon. The bid security shall be forfeited to the City as liquidated damages in the event the successful bidder fails or refuses to enter into contract within ten (10) days after the award of contract and post bond satisfactory to the City insuring the faithful fulfillment of the contract and the maintenance of said work, if required, pursuant to the provisions of this notice and the other contract documents. The City will accept bid bond forms that meet the Requirements of Iowa Code Section 26.8.

Contractors and subcontractors shall include all applicable taxes in the bid amount. The City is not exempt from State of Iowa Sales and Use tax for materials that are incorporated into an electric utility project.

**WEBSTER CITY**  
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**Section 00100 – Notice to Bidders and Notice of Public Hearing**

Bidders shall not be permitted to withdraw their bids for a period of sixty (60) days after the same are opened.

By virtue of statutory authority, a preference will be given to products and provisions grown and produced within the State of Iowa and to Iowa domestic labor.

In accordance with Iowa statutes, a resident bidder shall be allowed a preference as against a nonresident bidder from a state or foreign country if that state or foreign country gives or requires any preference to bidders from that state or foreign country, including but not limited to any preference to bidders, the imposition of any type of labor force preference, or any other form of preferential treatment to bidders or laborers from that state or foreign country. The preference shall be equal to the preference given or required by the state or foreign country in which the nonresident bidder is a resident. In the instance of a resident labor force preference, a nonresident bidder shall apply the same resident labor force preference to a public improvement in this state as would be required in the construction of a public improvement by the state or foreign country in which the nonresident bidder is a resident.

Bidders will be required to complete a Bidder Status Form from the Iowa Department of Labor regarding the Contractor's resident status within the State of Iowa and to submit that form with the bid. Failure to submit a fully completed Bidder Status Form with the bid may result in the bid being deemed nonresponsive and rejected.

The Contractor has the option to commence work at any time after the Notice to Proceed is issued. All work must be completed on or before December 31, 2025.

The Contractor will be paid each month ninety-five (95) percent of the Engineer's estimate of the value of acceptable work completed at the end of the preceding month. Final payment will be made in accordance with Iowa Code chapters 26 and 573, as amended. No partial or final payment will be due until the Contractor has certified to the City that the materials, labor and services involved in each estimate have been paid for in accordance with the requirements stated in the specifications.

The successful bidder will be required to furnish a bond in an amount equal to one hundred (100) percent of the contract price, said bond to be issued by a responsible surety approved by the Owner and which shall guarantee a faithful performance of the Contract and the terms and conditions therein contained and shall guarantee the prompt payment of all materials and labor and protect and save harmless the Owner from claims and damages of any kind caused by the operations of the Contractor and shall also guarantee the maintenance of the improvements constructed for a period of two (2) years after completion and acceptance by the Owner.

Plans and specifications governing the construction of the proposed improvements have been prepared by P&E Engineering Co., which plans and specifications and the proceedings of the Owner referring to and defining said proposed improvements are hereby made a part of the Notice by reference, and the proposed contract shall be executed in compliance therewith. Copies of said plans and specifications are now on file with the City Clerk and at the offices of P&E Engineering Co., and may be examined by the bidders.

**WEBSTER CITY**  
**East Side Conversion Project**  
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**Construction Contract**  
**Section 00100 – Notice to Bidders and Notice of Public Hearing**

Plans and specifications may be obtained from P&E Engineering Co., by contacting Al Powers at 515-979-7496 (cell) or by email at [arpowers@peengr.com](mailto:arpowers@peengr.com). Bidding documents may be obtained electronically at no cost. A single copy of the Bidding documents in paper form may also be obtained at no cost from the Engineer.

Published upon order of the City Council of the City of Webster City, Iowa.

CITY OF WEBSTER CITY, IOWA

Attest: \_\_\_\_\_ /s/ Karyl K. Bonjour  
City Clerk

**WEBSTER CITY**  
**East Side Conversion Project**  
**City Project No. 9-22-006**  
**Bidding Requirements**  
**SECTION 00200 – Instructions to Bidders for Construction Contract**

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**SECTION 00200 – Instructions to Bidders for Construction Contract**

**ARTICLE 1—DEFINED TERMS**

- 1.01 Terms used in these Instructions to Bidders have the meanings indicated in the General Conditions and Supplementary Conditions. Additional terms used in these Instructions to Bidders have the meanings indicated below:
- A. *Issuing Office*—The office from which the Bidding Documents are to be issued, and which registers plan holders. The Issuing Office for this project will be P & E Engineering Co., 500 SW 7<sup>th</sup> Street, Suite 100, Des Moines, IA 50309.

**ARTICLE 2—BIDDING DOCUMENTS**

- 2.01 Bidder shall obtain a complete set of Bidding Requirements and proposed Contract Documents (together, the Bidding Documents). See the Agreement for a list of the Contract Documents. It is Bidder's responsibility to determine that it is using a complete set of documents in the preparation of a Bid. Bidder assumes sole responsibility for errors or misinterpretations resulting from the use of incomplete documents, by Bidder itself or by its prospective Subcontractors and Suppliers.
- 2.02 Bidding Documents are made available for the sole purpose of obtaining Bids for completion of the Project and permission to download or distribution of the Bidding Documents does not confer a license or grant permission or authorization for any other use. Authorization to download documents, or other distribution, includes the right for plan holders to print documents solely for their use, and the use of their prospective Subcontractors and Suppliers, provided the plan holder pays all costs associated with printing or reproduction. Printed documents may not be re-sold under any circumstances.
- 2.03 Bidder may register as a plan holder and obtain complete sets of Bidding Documents in printed or electronic (digital) format (compact disk, USB, or direct transmittal) from the Issuing Office. Bidders may rely that sets of Bidding Documents obtained from the Issuing Office are complete, unless an omission is blatant. Registered plan holders will receive Addenda issued by Owner.
- 2.04 Plan rooms (including construction information subscription services, and electronic and virtual plan rooms) may distribute the Bidding Documents, or make them available for examination. Those prospective bidders that obtain an electronic (digital) copy of the Bidding Documents from a plan room are encouraged to register as plan holders from the Issuing Office. Owner is not responsible for omissions in Bidding Documents or other documents obtained from plan rooms, or for a Bidder's failure to obtain Addenda from a plan room.
- 2.05 *Electronic Documents*
- A. Bidding Documents will be made available as Electronic Documents in the following manner.
1. Bidding Documents will be provided in Adobe PDF (Portable Document Format) (.pdf) Version 1.4. It is the intent of the Engineer and Owner that such Electronic Documents are to be exactly representative of the paper copies of the documents. However, because the Owner and Engineer cannot totally control the transmission and receipt of Electronic Documents nor the Contractor's means of reproduction of such documents, the Owner and Engineer cannot and do not guarantee that Electronic Documents and

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reproductions prepared from those versions are identical in every manner to the paper copies.

- B. The Bidder may use and rely upon complete sets of Electronic Documents of the Bidding Documents, described in Paragraph 2.06.A above. However, Bidder assumes all risks associated with differences arising from transmission/receipt of Electronic Documents versions of Bidding Documents and reproductions prepared from those versions and, further, assumes all risks, costs, and responsibility associated with use of the Electronic Documents versions to derive information that is not explicitly contained in printed paper versions of the documents, and for Bidder's reliance upon such derived information.
- C. After the Contract is awarded, the Owner will provide or direct the Engineer to provide for the use of the Contractor documents that were developed by Engineer as part of the Project design process, as Electronic Documents in native file formats.
  - 1. Electronic Documents that are available in native file format include:
    - a. Bill of Material (Refer to Section 16910 of the Contract)
    - b. Major Project Labor Units (Refer to Section 16925 of the Contract)
    - c. Project Module Index (Refer to Section 16925 of the Contract)
  - 2. Release of such documents will be solely for the convenience of the Contractor. No such document is a Contract Document.
  - 3. The Contractor shall take appropriate measures to verify that any electronic/digital information provided in Electronic Documents is appropriate and adequate for the Contractor's specific purposes.
  - 4. In no case will the Contractor be entitled to additional compensation or time for completion due to any differences between the actual Contract Documents and any related document in native file format.

**ARTICLE 3—QUALIFICATIONS OF BIDDERS**

- 3.01 To demonstrate Bidder's qualifications to perform the Work, after submitting its Bid and within five (5) days of Owner's request, Bidder must submit the following information:
- A. Written evidence establishing its qualifications such as financial data, previous experience, and present commitments.
  - B. A written statement that Bidder is authorized to do business in the state where the Project is located, or a written certification that Bidder will obtain such authority prior to the Effective Date of the Contract.
  - C. Bidder's state or other contractor license number, if applicable.
  - D. Subcontractor and Supplier qualification information.
  - E. Other required information regarding qualifications.

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- 3.02 A Bidder's failure to submit required qualification information within the times indicated may disqualify Bidder from receiving an award of the Contract.
- 3.03 No requirement in this Article 3 to submit information will prejudice the right of Owner to seek additional pertinent information regarding Bidder's qualifications.

**ARTICLE 4—PRE-BID CONFERENCE**

- 4.01 A non-mandatory pre-bid conference will be held at 1:00 PM on May 17, 2024 at the Webster City municipal office building at 400 Second Street in Webster City, Iowa. Representatives of Owner and Engineer will be present to discuss the Project. Bidders are encouraged to attend and participate in the conference; however, attendance at this conference is not required to submit a Bid.
- 4.02 Information presented at the pre-Bid conference does not alter the Contract Documents. Owner will issue Addenda to make any changes to the Contract Documents that result from discussions at the pre-Bid conference. Information presented, and statements made at the pre-bid conference will not be binding or legally effective unless incorporated in an Addendum.

**ARTICLE 5—SITE AND OTHER AREAS; EXISTING SITE CONDITIONS; EXAMINATION OF SITE; OWNER'S SAFETY PROGRAM; OTHER WORK AT THE SITE**

5.01 *Site and Other Areas*

- A. The Site is identified in the Bidding Documents. By definition, the Site includes rights-of-way, easements, and other lands furnished by Owner for the use of the Contractor. Any additional lands required for temporary construction facilities, construction equipment, or storage of materials and equipment, and any access needed for such additional lands, are to be obtained and paid for by Contractor.

5.02 *Existing Site Conditions*

A. *Subsurface and Physical Conditions; Hazardous Environmental Conditions*

1. The Supplementary Conditions identify the following regarding existing conditions at or adjacent to the Site:
  - a. Those reports of explorations and tests of subsurface conditions at or adjacent to the Site that contain Technical Data.
  - b. Those drawings known to Owner of existing physical conditions at or adjacent to the Site, including those drawings depicting existing surface or subsurface structures at or adjacent to the Site (except Underground Facilities), that contain Technical Data.
  - c. Reports and drawings known to Owner relating to Hazardous Environmental Conditions that have been identified at or adjacent to the Site.
  - d. Technical Data contained in such reports and drawings.
2. Owner will make copies of reports and drawings referenced above available to any Bidder on request. These reports and drawings are not part of the Contract Documents,

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but the Technical Data contained therein upon whose accuracy Bidder is entitled to rely, as provided in the General Conditions, has been identified and established in the Supplementary Conditions. Bidder is responsible for any interpretation or conclusion Bidder draws from any Technical Data or any other data, interpretations, opinions, or information contained in such reports or shown or indicated in such drawings.

3. If the Supplementary Conditions do not identify Technical Data, the default definition of Technical Data set forth in Article 1 of the General Conditions will apply.
- B. *Underground Facilities:* Underground Facilities are shown or indicated on the Drawings, pursuant to Paragraph 5.05 of the General Conditions, and not in the drawings referred to in Paragraph 5.02.A of these Instructions to Bidders. Information and data regarding the presence or location of Underground Facilities are not intended to be categorized, identified, or defined as Technical Data.

5.03 *Other Site-related Documents*

- A. No other Site-related documents are available.

5.04 *Site Visit and Testing by Bidders*

- A. Bidder is required to visit the Site and conduct a thorough visual examination of the Site and adjacent areas. During the visit the Bidder must not disturb any ongoing operations at the Site.
- B. A Site visit is scheduled following the pre-bid conference.
- C. Bidders visiting the Site are required to arrange their own transportation to the Site.
- D. All access to the Site other than during a regularly scheduled Site visit must be coordinated through the following Owner contact. Bidder must conduct the required Site visit during normal working hours.

Mr. Adam Dickinson  
City of Webster City  
515-297-1307 (cell)

- E. Bidder is not required to conduct any subsurface testing, or exhaustive investigations of Site conditions.
- F. On request, and to the extent Owner has control over the Site, and schedule permitting, the Owner will provide Bidder general access to the Site to conduct such additional examinations, investigations, explorations, tests, and studies as Bidder deems necessary for preparing and submitting a successful Bid. Owner will not have any obligation to grant such access if doing so is not practical because of existing operations, security or safety concerns, or restraints on Owner's authority regarding the Site. Bidder is responsible for establishing access needed to reach specific selected test sites.
- G. Bidder must comply with all applicable Laws and Regulations regarding excavation and location of utilities, obtain all permits, and comply with all terms and conditions established by Owner or by property owners or other entities controlling the Site with respect to

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schedule, access, existing operations, security, liability insurance, and applicable safety programs.

- H. Bidder must fill all holes and clean up and restore the Site to its former condition upon completion of such explorations, investigations, tests, and studies.

5.05 *Owner's Safety Program*

- A. Site visits and work at the Site may be governed by an Owner safety program. If an Owner safety program exists, it will be noted in the Supplementary Conditions.

5.06 *Other Work at the Site*

- A. Reference is made to Article 8 of the Supplementary Conditions for the identification of the general nature of other work of which Owner is aware (if any) that is to be performed at the Site by Owner or others (such as utilities and other prime contractors) and relates to the Work contemplated by these Bidding Documents. If Owner is party to a written contract for such other work, then on request, Owner will provide to each Bidder access to examine such contracts (other than portions thereof related to price and other confidential matters), if any.

**ARTICLE 6—BIDDER'S REPRESENTATIONS AND CERTIFICATIONS**

6.01 *Express Representations and Certifications in Bid Form, Agreement*

- A. The Bid Form that each Bidder will submit contains express representations regarding the Bidder's examination of Project documentation, Site visit, and preparation of the Bid, and certifications regarding lack of collusion or fraud in connection with the Bid. Bidder should review these representations and certifications, and assure that Bidder can make the representations and certifications in good faith, before executing and submitting its Bid.
- B. If Bidder is awarded the Contract, Bidder (as Contractor) will make similar express representations and certifications when it executes the Agreement.

**ARTICLE 7—INTERPRETATIONS AND ADDENDA**

- 7.01 Owner on its own initiative may issue Addenda to clarify, correct, supplement, or change the Bidding Documents.
- 7.02 Bidder shall submit all questions about the meaning or intent of the Bidding Documents via email to [arpowers@peengr.com](mailto:arpowers@peengr.com) and must include "Question related to Webster City Conversion Project" in the subject line. Confirm the email has been received by calling AI Powers at 515-979-7496.
- 7.03 Interpretations or clarifications considered necessary by Engineer in response to such questions will be issued by Addenda delivered to all registered plan holders. Questions received less than seven days prior to the date for opening of Bids may not be answered.
- 7.04 Only responses set forth in an Addendum will be binding. Oral and other interpretations or clarifications will be without legal effect. Responses to questions are not part of the Contract

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Documents unless set forth in an Addendum that expressly modifies or supplements the Contract Documents.

**ARTICLE 8—BID SECURITY**

- 8.01 A Bid must be accompanied by Bid security made payable to Owner in an amount of **5** percent of Bidder's maximum Bid price (determined by adding the base bid and all alternates) and in the form prescribed in the NOTICE TO BIDDERS AND NOTICE OF PUBLIC HEARING.
- 8.02 The Bid security of the apparent Successful Bidder will be retained until Owner awards the contract to such Bidder, and such Bidder has executed the Contract, furnished the required Contract security, and met the other conditions of the Notice of Award, whereupon the Bid security will be released. If the Successful Bidder fails to execute and deliver the Contract and furnish the required Contract security within 15 days after the Notice of Award, Owner may consider Bidder to be in default, annul the Notice of Award, and the Bid security of that Bidder will be forfeited. Such forfeiture will be Owner's exclusive remedy if Bidder defaults.
- 8.03 The Bid security of other Bidders that Owner believes to have a reasonable chance of receiving the award may be retained by Owner until the earlier of 7 days after the Effective Date of the Contract or 61 days after the Bid opening, whereupon Bid security furnished by such Bidders will be released.
- 8.04 Bid security of other Bidders that Owner believes do not have a reasonable chance of receiving the award will be released within 7 days after the Bid opening.

**ARTICLE 9—CONTRACT TIMES**

- 9.01 The number of days within which, or the dates by which, the Work is to be (a) substantially completed and (b) ready for final payment, and (c) Milestones (if any) are to be achieved, are set forth in the Agreement.

**ARTICLE 10—SUBSTITUTE AND "OR EQUAL" ITEMS**

- 10.01 The Contract for the Work, as awarded, will be on the basis of materials and equipment specified or described in the Bidding Documents without consideration during the bidding and Contract award process of possible substitute or "or-equal" items. In cases in which the Contract allows the Contractor to request that Engineer authorize the use of a substitute or "or-equal" item of material or equipment, application for such acceptance may not be made to and will not be considered by Engineer until after the Effective Date of the Contract.
- 10.02 All prices that Bidder sets forth in its Bid will be based on the presumption that the Contractor will furnish the materials and equipment specified or described in the Bidding Documents, as

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supplemented by Addenda. Any assumptions regarding the possibility of post-Bid approvals of “or-equal” or substitution requests are made at Bidder’s sole risk.

**ARTICLE 11—SUBCONTRACTORS, SUPPLIERS, AND OTHERS**

- 11.01 The apparent Successful Bidder, and any other Bidder so requested, must submit to Owner a list of the Subcontractors or Suppliers proposed for any portion of the Work within five days after Bid opening:
- 11.02 If requested by Owner, such list must be accompanied by an experience statement with pertinent information regarding similar projects and other evidence of qualification for each such Subcontractor. If Owner or Engineer, after due investigation, has reasonable objection to any proposed Subcontractor or Supplier, Owner may, before the Notice of Award is given, request apparent Successful Bidder to submit an acceptable substitute, in which case apparent Successful Bidder will submit a substitute.
- 11.03 If apparent Successful Bidder declines to make any such substitution, Owner may award the Contract to the next lowest Bidder that proposes to use acceptable Subcontractors and Suppliers. Declining to make requested substitutions will not constitute grounds for forfeiture of the Bid security of any Bidder. Any Subcontractor or Supplier, so listed and against which Owner or Engineer makes no written objection prior to the giving of the Notice of Award will be deemed acceptable to Owner and Engineer subject to subsequent revocation of such acceptance as provided in Paragraph 7.07 of the General Conditions.

**ARTICLE 12—PREPARATION OF BID**

- 12.01 The Bid Form is included with the Bidding Documents.
- A. All blanks on the Bid Form must be completed in ink and the Bid Form signed in ink. Erasures or alterations must be initialed in ink by the person signing the Bid Form. A Bid price must be indicated for each section, Bid item, alternate, adjustment unit price item, and unit price item listed therein.
- B. If the Bid Form expressly indicates that submitting pricing on a specific alternate item is optional, and Bidder elects to not furnish pricing for such optional alternate item, then Bidder may enter the words “No Bid” or “Not Applicable.”
- 12.02 If Bidder has obtained the Bidding Documents as Electronic Documents, then Bidder shall prepare its Bid on a paper copy of the Bid Form printed from the Electronic Documents version of the Bidding Documents. The printed copy of the Bid Form must be clearly legible, printed on 8½ inch by 11-inch paper and as closely identical in appearance to the Electronic Document version of the Bid Form as may be practical. The Owner reserves the right to accept Bid Forms which nominally vary in appearance from the original paper version of the Bid Form, providing that all required information and submittals are included with the Bid.
- 12.03 A Bid by a corporation must be executed in the corporate name by a corporate officer (whose title must appear under the signature), accompanied by evidence of authority to sign. The corporate address and state of incorporation must be shown.

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- 12.04 A Bid by a partnership must be executed in the partnership name and signed by a partner (whose title must appear under the signature), accompanied by evidence of authority to sign. The official address of the partnership must be shown.
- 12.05 A Bid by a limited liability company must be executed in the name of the firm by a member or other authorized person and accompanied by evidence of authority to sign. The state of formation of the firm and the official address of the firm must be shown.
- 12.06 A Bid by an individual must show the Bidder's name and official address.
- 12.07 A Bid by a joint venture must be executed by an authorized representative of each joint venturer in the manner indicated on the Bid Form. The joint venture must have been formally established prior to submittal of a Bid, and the official address of the joint venture must be shown.
- 12.08 All names must be printed in ink below the signatures.
- 12.09 The Bid must contain an acknowledgment of receipt of all Addenda, the numbers of which must be filled in on the Bid Form.
- 12.10 Postal and e-mail addresses and telephone number for communications regarding the Bid must be shown.
- 12.11 The Bid must contain evidence of Bidder's authority to do business in the state where the Project is located, or Bidder must certify in writing that it will obtain such authority within the time for acceptance of Bids and attach such certification to the Bid.
- 12.12 If Bidder is required to be licensed to submit a Bid or perform the Work in the state where the Project is located, the Bid must contain evidence of Bidder's licensure, or Bidder must certify in writing that it will obtain such licensure within the time for acceptance of Bids and attach such certification to the Bid. Bidder's state contractor license number, if any, must also be shown on the Bid Form.

**ARTICLE 13—BASIS OF BID**

- 13.01 *Lump Sum plus Unit Price*
- A. Bidders must submit a Bid on a lump sum basis for each item listed in the lump sum section of the Bid Form.
- B. Bidders must submit a Bid on a unit price basis for each item of Work listed in the unit price section of the Bid Form.
- C. The "Bid Price" (sometimes referred to as the extended price) for each unit price Bid item will be the product of the "Estimated Quantity", which Owner or its representative has set forth in the Bid Form, for the item and the corresponding "Bid Unit Price" offered by the Bidder. The total of all unit price Bid items will be the sum of these "Bid Prices"; such total will be used by Owner for Bid comparison purposes. The final quantities and Contract Price will be determined in accordance with Paragraph 13.03 of the General Conditions.
- D. The total bid price will be the sum of all lump sum bid items plus the sum of all Bid Unit Prices.

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- E. Discrepancies between the multiplication of units of Work and unit prices will be resolved in favor of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum.

**ARTICLE 14—SUBMITTAL OF BID**

- 14.01 The Bidding Documents include one separate unbound copy of the Bid Form, and, if required, the Bid Bond Form. The unbound copy of the Bid Form is to be completed and submitted with the Bid security and the other documents required to be submitted under the terms of Article 2 of the Bid Form. See Paragraph 12.02 for Bid Documents that are received as Electronic Documents
- 14.02 A Bid must be received no later than the date and time prescribed and at the place indicated in the Advertisement or invitation to bid and must be enclosed in a plainly marked package with the Project title, and, if applicable, the designated portion of the Project for which the Bid is submitted, and the name and address of Bidder. This package shall be plainly labeled "BID ENCLOSED." The package must contain two sealed opaque envelopes, one for the Bid and other required documents and one for the Bid Security.
- 14.03 The sealed envelope containing the Bid and all required documents (except for the bid security) must be plainly marked with the notation "BID ENCLOSED".
- 14.04 The sealed envelope containing the bid security must be plainly marked with the notation "BID SECURITY ENCLOSED".
- 14.05 A Bid sent by mail shall be addressed to:  
  
City of Webster City  
Public Works Dept.  
400 Second Street  
Webster City, Iowa, 50595
- 14.06 A bid sent by delivery service or hand delivered shall be delivered to:  
  
City of Webster City  
Public Works Dept.  
400 Second Street  
Webster City, Iowa, 50595  
Phone 515-832-9151
- 14.07 Bids received after the date and time prescribed for the opening of bids, or not submitted at the correct location or in the designated manner, will not be accepted and will be returned to the Bidder unopened.

**ARTICLE 15—MODIFICATION AND WITHDRAWAL OF BID**

- 15.01 An unopened Bid may be withdrawn by an appropriate document duly executed in the same manner that a Bid must be executed and delivered to the place where Bids are to be submitted

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prior to the date and time for the opening of Bids. Upon receipt of such notice, the unopened Bid will be returned to the Bidder.

- 15.02 If a Bidder wishes to modify its Bid prior to Bid opening, Bidder must withdraw its initial Bid in the manner specified in Paragraph 15.01 and submit a new Bid prior to the date and time for the opening of Bids.
- 15.03 If within 24 hours after Bids are opened any Bidder files a duly signed written notice with Owner and promptly thereafter demonstrates to the reasonable satisfaction of Owner that there was a material and substantial mistake in the preparation of its Bid, the Bidder may withdraw its Bid, and the Bid security will be returned. Thereafter, if the Work is rebid, the Bidder will be disqualified from further bidding on the Work.

**ARTICLE 16—OPENING OF BIDS**

- 16.01 Bids will be opened at the time and place indicated in the advertisement or invitation to bid and, unless obviously non-responsive, read aloud publicly. An abstract of the amounts of the base Bids and major alternates, if any, will be made available to Bidders after the opening of Bids.

**ARTICLE 17—BIDS TO REMAIN SUBJECT TO ACCEPTANCE**

- 17.01 All Bids will remain subject to acceptance for the period of time stated in the Bid Form, but Owner may, in its sole discretion, release any Bid and return the Bid security prior to the end of this period.

**ARTICLE 18—EVALUATION OF BIDS AND AWARD OF CONTRACT**

- 18.01 Owner reserves the right to reject any or all Bids, including without limitation, nonconforming, nonresponsive, unbalanced, or conditional Bids. Owner also reserves the right to waive all minor Bid informalities not involving price, time, or changes in the Work.
- 18.02 Owner will reject the Bid of any Bidder that Owner finds, after reasonable inquiry and evaluation, to not be responsible.
- 18.03 If Bidder purports to add terms or conditions to its Bid, takes exception to any provision of the Bidding Documents, or attempts to alter the contents of the Contract Documents for purposes of the Bid, whether in the Bid itself or in a separate communication to Owner or Engineer, then Owner will reject the Bid as nonresponsive.
- 18.04 If Owner awards the contract for the Work, such award will be to the responsible Bidder whose bid is considered to be in the best interest of the Owner.
- 18.05 *Evaluation of Bids*
- A. In evaluating Bids, Owner will consider whether the Bids comply with the prescribed requirements, and such alternates, unit prices, and other data, as may be requested in the Bid Form or prior to the Notice of Award.

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- B. For the determination of the apparent low Bidder when unit price bids are submitted, Bids will be compared on the basis of the total of the products of the estimated quantity of each item and unit price Bid for that item, together with any lump sum items.
- 18.06 In evaluating whether a Bidder is responsible, Owner will consider the qualifications of the Bidder and may consider the qualifications and experience of Subcontractors and Suppliers proposed for those portions of the Work for which the identity of Subcontractors and Suppliers must be submitted as provided in the Bidding Documents.
- 18.07 Owner may conduct such investigations as Owner deems necessary to establish the responsibility, qualifications, and financial ability of Bidders and any proposed Subcontractors or Suppliers.

**ARTICLE 19—BONDS AND INSURANCE**

- 19.01 Article 6 of the General Conditions, as may be modified by the Supplementary Conditions, sets forth Owner's requirements as to performance and payment bonds, other required bonds (if any), and insurance. When the Successful Bidder delivers the executed Agreement to Owner, it must be accompanied by required bonds and insurance documentation.
- 19.02 Article 8, Bid Security, of these Instructions, addresses any requirements for providing bid bonds as part of the bidding process.

**ARTICLE 20—SIGNING OF AGREEMENT**

- 20.01 When Owner issues a Notice of Award to the Successful Bidder, it will be accompanied by the unexecuted counterparts of the Agreement along with the other Contract Documents as identified in the Agreement. Within 15 days thereafter, Successful Bidder must execute and deliver the required number of counterparts of the Agreement and any bonds and insurance documentation required to be delivered by the Contract Documents to Owner. Within 10 days thereafter, Owner will deliver one fully executed counterpart of the Agreement to Successful Bidder, together with printed and/or electronic copies of the Contract Documents as stated in Paragraph 2.02 of the General Conditions.

**ARTICLE 21—SALES AND USE TAXES**

- 21.01 Owner is subject to state and local sales and use taxes on materials and equipment to be incorporated in the Work. Said taxes shall be included in the Bid. Refer to Paragraph SC-7.10 of the Supplementary Conditions for additional information.

**ARTICLE 22—CONTRACTS TO BE ASSIGNED**

- 22.01 This Article is not used.



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The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

**ARTICLE 1—OWNER AND BIDDER**

1.01 This Bid is submitted to:

City of Webster City  
Public Works Dept.  
400 Second Street  
Webster City, Iowa, 50595

The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

**ARTICLE 2—ATTACHMENTS TO THIS BID**

2.01 The following documents are submitted with and made a condition of this Bid:

- A. Required Bid security;
- B. Evidence of authority to do business in the state of the Project; or a written covenant to obtain such authority within the time for acceptance of Bids;
- C. Contractor's license number as evidence of Bidder's State Contractor's License or a covenant by Bidder to obtain said license within the time for acceptance of Bids;
- D. A completed Iowa Department of Labor Bidder Status Form (309-6001) regarding the Contractor's resident status within the State of Iowa.

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**ARTICLE 3—BASIS OF BID—LUMP SUM BID AND UNIT PRICES**

3.01 *Lump Sum Bids*

A. Bidder ( \_\_\_\_\_ ) will complete the Work in accordance with the Contract Documents for the following lump sum (stipulated) price(s), together with any Unit Prices indicated in Paragraph 3.02:

1. Lump Sum Price (Single Lump Sum)

Lump Sum Bid Price (See Below)	\$
--------------------------------	----

3.02 *Unit Price Bids*

A. Bidder will perform the following Work at the indicated unit prices:

Item No.	Description	Unit	Estimated Quantity	Bid Unit Price	Bid Amount
U1	Additional underground service laterals (See Below)	Ea	15		\$
U2	Excess length of additional underground service laterals (See Below)	Ea	10		\$
Total of All Unit Price Bid Items					\$

B. Bidder acknowledges that:

1. each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor’s overhead and profit for each separately identified item, and
2. estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids. The actual quantity will depend on the number of customers that elect to convert their service entrance to underground. Final payment for all Unit Price Work will be based on actual quantities, determined as provided in the Contract Documents.

3.03 *Total Bid Price (Lump Sum and Unit Prices)*

Total Bid Price (Total of all Lump Sum and Unit Price Bids)	\$
---	----

LUMP SUM BASE BID, includes all work shown in the drawings and specifications, including all underground service laterals shown on the drawings and identified in the staking sheets as Module US170.

Item U1, ADDITIONAL UNDERGROUND SERVICE LATERAL, Unit Price to add one additional underground service lateral, including a maximum of 75 ft (measured horizontally along the ground line from the center of the transformer or pedestal at which service lateral originates to the point where the conduit emerges from below grade at the meter socket) of 2” conduit

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with 4/0 Alum URD TX and the installation of a service riser as shown on drawing US170 to a new meter socket (meter socket to be installed by Others), and removal of existing overhead service drop. Cable will be furnished by Owner. Contractor to provide all other required materials.

Item U2, EXCESS LENGTH OF ADDITIONAL UNDERGROUND SERVICE LATERAL, Unit Price to extend the length of an underground service lateral (conduit and cable) included in Bid Item U1, in increments of 10 ft of additional length in excess of 75 ft. Cable will be furnished by Owner. Contractor to provide all other required materials.

**ARTICLE 4—TIME OF COMPLETION**

4.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.

**ARTICLE 5—BIDDER’S ACKNOWLEDGEMENTS: ACCEPTANCE PERIOD, INSTRUCTIONS, AND RECEIPT OF ADDENDA**

5.01 *Bid Acceptance Period*

A. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

5.02 *Instructions to Bidders*

A. Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security.

5.03 *Receipt of Addenda*

A. Bidder hereby acknowledges receipt of the following Addenda:

Addendum Number	Addendum Date

**ARTICLE 6—BIDDER’S REPRESENTATIONS AND CERTIFICATIONS**

6.01 *Bidder’s Representations*

A. In submitting this Bid, Bidder represents the following:

1. Bidder has examined and carefully studied the Bidding Documents, including Addenda.
2. Bidder has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

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3. Bidder is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.
4. Bidder has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site, if any, that have been identified in the Supplementary Conditions, with respect to the Technical Data in such reports and drawings.
5. Bidder has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.
6. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, if selected as Contractor; and (c) Bidder's (Contractor's) safety precautions and programs.
7. Based on the information and observations referred to in the preceding paragraph, Bidder agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
8. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the---- Bidding Documents.
9. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
10. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
11. The submission of this Bid constitutes an incontrovertible representation by Bidder that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

6.02 *Bidder's Certifications*

A. The Bidder certifies the following:

1. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation.

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2. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid.
3. Bidder has not solicited or induced any individual or entity to refrain from bidding.
4. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 8.02.A:
  - a. Corrupt practice means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process.
  - b. Fraudulent practice means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition.
  - c. Collusive practice means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.
  - d. Coercive practice means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

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BIDDER hereby submits this Bid as set forth above:

Bidder:

\_\_\_\_\_ *(typed or printed name of organization)*

By: \_\_\_\_\_ *(individual's signature)*

Name: \_\_\_\_\_ *(typed or printed)*

Title: \_\_\_\_\_ *(typed or printed)*

Date: \_\_\_\_\_ *(typed or printed)*

*If Bidder is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.*

Attest: \_\_\_\_\_ *(individual's signature)*

Name: \_\_\_\_\_ *(typed or printed)*

Title: \_\_\_\_\_ *(typed or printed)*

Date: \_\_\_\_\_ *(typed or printed)*

Address for giving notices:

\_\_\_\_\_

\_\_\_\_\_

Bidder's Contact:

Name: \_\_\_\_\_ *(typed or printed)*

Title: \_\_\_\_\_ *(typed or printed)*

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Bidder's Contractor License No.: (if applicable) \_\_\_\_\_

## BID BOND (PENAL SUM FORM)

<b>Bidder</b> Name: <b>[Full formal name of Bidder]</b> Address <i>(principal place of business):</i> <b>[Address of Bidder's principal place of business]</b>	<b>Surety</b> Name: <b>[Full formal name of Surety]</b> Address <i>(principal place of business):</i> <b>[Address of Surety's principal place of business]</b>
<b>Owner</b> Name: <b>City of Webster City, Iowa</b> Address <i>(principal place of business):</i> <b>400 Second St.                  Webster City, IA 50595</b>	<b>Bid</b> Project <i>(name and location):</i> <b>East Side Conversion Project, Webster City, Iowa</b>  Bid Due Date: <b>June 5, 2024</b>
<b>Bond</b> Penal Sum: <b>[Amount]</b> Date of Bond: <b>[Date]</b>	
Surety and Bidder, intending to be legally bound hereby, subject to the terms set forth in this Bid Bond, do each cause this Bid Bond to be duly executed by an authorized officer, agent, or representative.	
Bidder _____ <i>(Full formal name of Bidder)</i>	Surety _____ <i>(Full formal name of Surety) (corporate seal)</i>
By: _____ <i>(Signature)</i>	By: _____ <i>(Signature) (Attach Power of Attorney)</i>
Name: _____ <i>(Printed or typed)</i>	Name: _____ <i>(Printed or typed)</i>
Title: _____	Title: _____
Attest: _____ <i>(Signature)</i>	Attest: _____ <i>(Signature)</i>
Name: _____ <i>(Printed or typed)</i>	Name: _____ <i>(Printed or typed)</i>
Title: _____	Title: _____
<i>Notes: (1) Note: Addresses are to be used for giving any required notice. (2) Provide execution by any additional parties, such as joint venturers, if necessary.</i>	

1. Bidder and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to pay to Owner upon default of Bidder the penal sum set forth on the face of this Bond. Payment of the penal sum is the extent of Bidder's and Surety's liability. Recovery of such penal sum under the terms of this Bond will be Owner's sole and exclusive remedy upon default of Bidder.
2. Default of Bidder occurs upon the failure of Bidder to deliver within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents.
3. This obligation will be null and void if:
  - 3.1. Owner accepts Bidder's Bid and Bidder delivers within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents, or
  - 3.2. All Bids are rejected by Owner, or
  - 3.3. Owner fails to issue a Notice of Award to Bidder within the time specified in the Bidding Documents (or any extension thereof agreed to in writing by Bidder and, if applicable, consented to by Surety when required by Paragraph 5 hereof).
4. Payment under this Bond will be due and payable upon default of Bidder and within 30 calendar days after receipt by Bidder and Surety of written notice of default from Owner, which notice will be given with reasonable promptness, identifying this Bond and the Project and including a statement of the amount due.
5. Surety waives notice of any and all defenses based on or arising out of any time extension to issue Notice of Award agreed to in writing by Owner and Bidder, provided that the total time for issuing Notice of Award including extensions does not in the aggregate exceed 120 days from the Bid due date without Surety's written consent.
6. No suit or action will be commenced under this Bond prior to 30 calendar days after the notice of default required in Paragraph 4 above is received by Bidder and Surety, and in no case later than one year after the Bid due date.
7. Any suit or action under this Bond will be commenced only in a court of competent jurisdiction located in the state in which the Project is located.
8. Notices required hereunder must be in writing and sent to Bidder and Surety at their respective addresses shown on the face of this Bond. Such notices may be sent by personal delivery, commercial courier, or by United States Postal Service registered or certified mail, return receipt requested, postage pre-paid, and will be deemed to be effective upon receipt by the party concerned.
9. Surety shall cause to be attached to this Bond a current and effective Power of Attorney evidencing the authority of the officer, agent, or representative who executed this Bond on behalf of Surety to execute, seal, and deliver such Bond and bind the Surety thereby.
10. This Bond is intended to conform to all applicable statutory requirements. Any applicable requirement of any applicable statute that has been omitted from this Bond will be deemed to be included herein as if set forth at length. If any provision of this Bond conflicts with any applicable statute, then the provision of said statute governs and the remainder of this Bond that is not in conflict therewith continues in full force and effect.
11. The term "Bid" as used herein includes a Bid, offer, or proposal as applicable.



**WEBSTER CITY**  
**2022 Electrical Underground Conversion Project**  
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**Section 00520 – Agreement**

This Agreement is by and between City of Webster City (“Owner”) and \_\_\_\_\_ (“Contractor”).

Terms used in this Agreement have the meanings stated in the General Conditions and the Supplementary Conditions.

Owner and Contractor hereby agree as follows:

**ARTICLE 1—WORK**

- 1.01 Contractor shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as follows:
- a. Install underground conduit.
  - b. Install primary (13 kV) and secondary cable.
  - c. Install and connect pad mounted transformers, switchgear, junction cabinets, pedestals, hand holes, and related equipment.
  - d. Convert building electrical services from overhead to underground by extending new service lateral conduit and cable to existing meter sockets and removing existing service conductor from conduit between weather head and meter socket.
  - e. Remove overhead service drops, conductor, poles, and equipment.
  - f. Furnish all material required for the completion of the Work, except that to be supplied by Owner.

**ARTICLE 2—THE PROJECT**

- 2.01 The Project, of which the Work under the Contract Documents is a part, is generally described as follows:
- Convert portions of the Webster City electric distribution system from overhead to underground 13.2 kV.

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**ARTICLE 3—ENGINEER**

- 3.01 The Owner has retained P & E Engineering Co. (“Engineer”) to act as Owner’s representative, assume all duties and responsibilities of Engineer, and have the rights and authority assigned to Engineer in the Contract.
- 3.02 The part of the Project that pertains to the Work has been designed by Engineer.

**ARTICLE 4—CONTRACT TIMES**

- 4.01 *Time is of the Essence*
  - A. All time limits for Milestones, if any, Substantial Completion, and completion and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.
- 4.02 *Contract Times: Dates*
  - A. The Work will be substantially complete on or before October 1, 2024, and completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before December 1, 2024.

**ARTICLE 5—CONTRACT PRICE**

- 5.01 Owner shall pay Contractor for completion of the Work in accordance with the Contract Documents, the amounts that follow, subject to adjustment under the Contract:
  - A. For all Work other than Unit Price Work, a lump sum of \$ \_\_\_\_\_.
  - B. For all Unit Price Work, an amount equal to the sum of the extended prices (established for each separately identified item of Unit Price Work by multiplying the unit price times the actual quantity of that item).

Unit Price Work					
Item No.	Description	Unit	Estimated Quantity	Unit Price	Extended Price
U1	Additional underground service laterals	Ea	15	\$	\$
U2	Excess length of additional underground service laterals	Ea	10	\$	\$
				\$	\$
				\$	\$
				\$	\$
Total of all Extended Prices for Unit Price Work (subject to final adjustment based on actual quantities)					\$

The extended prices for Unit Price Work set forth as of the Effective Date of the Contract are based on estimated quantities. As provided in Paragraph 13.03 of the General Conditions,

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estimated quantities are not guaranteed, and determinations of actual quantities and classifications are to be made by Engineer.

- C. Total of Lump Sum Amount and Unit Price Work (subject to final Unit Price adjustment)

\$ \_\_\_\_\_.

**ARTICLE 6—PAYMENT PROCEDURES**

6.01 *Submittal and Processing of Payments*

- A. Contractor shall submit Applications for Payment in accordance with Article 15 of the General Conditions. Applications for Payment will be processed by Engineer as provided in the General Conditions.

6.02 *Progress Payments; Retainage*

- A. Owner shall make progress payments on the basis of Contractor's Applications for Payment, which is to be submitted on or about the 1<sup>st</sup> day of each month during performance of the Work, as provided in Paragraph 6.02.A.1 below, provided that such Applications for Payment have been submitted in a timely manner and otherwise meet the requirements of the Contract. All such payments will be measured by the Schedule of Values established as provided in the General Conditions (and in the case of Unit Price Work based on the number of units completed) or, in the event there is no Schedule of Values, as provided elsewhere in the Contract.

1. Prior to Substantial Completion, progress payments will be made in an amount equal to the percentage indicated below but, in each case, less the aggregate of payments previously made and less such amounts as Owner may withhold in accordance with the Contract.

- a. 95 percent of the value of the Work completed (with the balance being retainage).  
b. 95 percent of cost of materials and equipment stored on site but not yet incorporated in the Work (with the balance being retainage).

- B. Following Substantial Completion, partial payment of retainage may be made in accordance with the Contract Documents and applicable State Law.

6.03 *Final Payment*

- A. Upon final completion and acceptance of the Work, Owner shall pay the remainder of the Contract Price in accordance with Paragraph 15.06 of the General Conditions.

6.04 *Consent of Surety*

- A. Owner will not make final payment, or return or release retainage at Substantial Completion or any other time, unless Contractor submits written consent of the surety to such payment, return, or release.

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**ARTICLE 7—CONTRACT DOCUMENTS**

7.01 *Contents*

- A. The Contract Documents consist of all of the following:
1. This Agreement.
  2. Bonds:
    - a. Performance bond (together with power of attorney).
    - b. Payment bond (together with power of attorney).
  3. General Conditions, Section 00700.
  4. Supplementary Conditions, Section 00800.
  5. General Requirements, section 01000.
  6. Specifications as listed in the table of contents of the project manual.
  7. Drawings as listed in the table of contents of the project manual.
  8. Addenda (numbers \_\_\_ to \_\_\_, inclusive).
  9. Exhibits to this Agreement (enumerated as follows):
    - a. Contractor's Bid
  10. The following which may be delivered or issued on or after the Effective Date of the Contract and are not attached hereto:
    - a. Notice to Proceed.
    - b. Work Change Directives.
    - c. Change Orders.
    - d. Field Orders.
- B. The Contract Documents listed in Paragraph 7.01.A are attached to this Agreement (except as expressly noted otherwise above).
- C. There are no Contract Documents other than those listed above in this Article 7.
- D. The Contract Documents may only be amended, modified, or supplemented as provided in the Contract.

**ARTICLE 8—REPRESENTATIONS, CERTIFICATIONS, AND STIPULATIONS**

8.01 *Contractor's Representations*

- A. In order to induce Owner to enter into this Contract, Contractor makes the following representations:

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1. Contractor has examined and carefully studied the Contract Documents, including Addenda.
2. Contractor has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
3. Contractor is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.
4. Contractor has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions (if any), with respect to the Technical Data in such reports and drawings.
5. Contractor has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.
6. Contractor has considered the information known to Contractor itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Contract Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor; and (c) Contractor's safety precautions and programs.
7. Based on the information and observations referred to in the preceding paragraph, Contractor agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
8. Contractor is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Contract Documents.
9. Contractor has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
10. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
11. Contractor's entry into this Contract constitutes an incontrovertible representation by Contractor that without exception all prices in the Agreement are premised upon performing and furnishing the Work required by the Contract Documents.

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8.02 *Contractor's Certifications*

- A. Contractor certifies that it has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the Contract. For the purposes of this Paragraph 8.02:
1. "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process or in the Contract execution;
  2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process or the execution of the Contract to the detriment of Owner, (b) to establish Bid or Contract prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
  3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish Bid prices at artificial, non-competitive levels; and
  4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

8.03 *Standard General Conditions*

- A. Owner stipulates the General Conditions that are made a part of this Contract are EJCDC® C-700, Standard General Conditions for the Construction Contract (2018), published by the Engineers Joint Contract Documents Committee (Section 00700 of the Contract), and that all modifications to the standard wording of such published document are shown in the Supplementary Conditions.

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**Section 00520 – Agreement**

IN WITNESS WHEREOF, Owner and Contractor have signed this Agreement.

This Agreement will be effective on \_\_\_\_\_, \_\_\_\_\_ (which is the Effective Date of the Contract).

Owner:

Contractor:

City of Webster City

\_\_\_\_\_  
*(typed or printed name of organization)*

\_\_\_\_\_  
*(typed or printed name of organization)*

By:

\_\_\_\_\_  
*(individual's signature)*

By:

\_\_\_\_\_  
*(individual's signature)*

Date:

\_\_\_\_\_  
*(date signed)*

Date:

\_\_\_\_\_  
*(date signed)*

Name:

\_\_\_\_\_  
*(typed or printed)*

Name:

\_\_\_\_\_  
*(typed or printed)*

Title:

\_\_\_\_\_  
*(typed or printed)*

Title:

\_\_\_\_\_  
*(typed or printed)*

*(If [Type of Entity] is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.)*

Attest:

\_\_\_\_\_  
*(individual's signature)*

Attest:

\_\_\_\_\_  
*(individual's signature)*

Title:

\_\_\_\_\_  
*(typed or printed)*

Title:

\_\_\_\_\_  
*(typed or printed)*

Address for giving notices:

Webster City

400 Second St.

Webster City, Iowa 50595

Address for giving notices:

**PERFORMANCE BOND TO BE INSERTED HERE**



**PAYMENT BOND TO BE INSERTED HERE**

# STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT

Prepared By



Endorsed By



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# STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT

## ARTICLE 1—DEFINITIONS AND TERMINOLOGY

### 1.01 *Defined Terms*

- A. Wherever used in the Bidding Requirements or Contract Documents, a term printed with initial capital letters, including the term's singular and plural forms, will have the meaning indicated in the definitions below. In addition to terms specifically defined, terms with initial capital letters in the Contract Documents include references to identified articles and paragraphs, and the titles of other documents or forms.
1. *Addenda*—Written or graphic instruments issued prior to the opening of Bids which clarify, correct, or change the Bidding Requirements or the proposed Contract Documents.
  2. *Agreement*—The written instrument, executed by Owner and Contractor, that sets forth the Contract Price and Contract Times, identifies the parties and the Engineer, and designates the specific items that are Contract Documents.
  3. *Application for Payment*—The document prepared by Contractor, in a form acceptable to Engineer, to request progress or final payments, and which is to be accompanied by such supporting documentation as is required by the Contract Documents.
  4. *Bid*—The offer of a Bidder submitted on the prescribed form setting forth the prices for the Work to be performed.
  5. *Bidder*—An individual or entity that submits a Bid to Owner.
  6. *Bidding Documents*—The Bidding Requirements, the proposed Contract Documents, and all Addenda.
  7. *Bidding Requirements*—The Advertisement or invitation to bid, Instructions to Bidders, Bid Bond or other Bid security, if any, the Bid Form, and the Bid with any attachments.
  8. *Change Order*—A document which is signed by Contractor and Owner and authorizes an addition, deletion, or revision in the Work or an adjustment in the Contract Price or the Contract Times, or other revision to the Contract, issued on or after the Effective Date of the Contract.
  9. *Change Proposal*—A written request by Contractor, duly submitted in compliance with the procedural requirements set forth herein, seeking an adjustment in Contract Price or Contract Times; contesting an initial decision by Engineer concerning the requirements of the Contract Documents or the acceptability of Work under the Contract Documents; challenging a set-off against payments due; or seeking other relief with respect to the terms of the Contract.

10. *Claim*

- a. A demand or assertion by Owner directly to Contractor, duly submitted in compliance with the procedural requirements set forth herein, seeking an adjustment of Contract Price or Contract Times; contesting an initial decision by Engineer concerning the requirements of the Contract Documents or the acceptability of Work under the Contract Documents; contesting Engineer's decision regarding a Change Proposal; seeking resolution of a contractual issue that Engineer has declined to address; or seeking other relief with respect to the terms of the Contract.
  - b. A demand or assertion by Contractor directly to Owner, duly submitted in compliance with the procedural requirements set forth herein, contesting Engineer's decision regarding a Change Proposal, or seeking resolution of a contractual issue that Engineer has declined to address.
  - c. A demand or assertion by Owner or Contractor, duly submitted in compliance with the procedural requirements set forth herein, made pursuant to Paragraph 12.01.A.4, concerning disputes arising after Engineer has issued a recommendation of final payment.
  - d. A demand for money or services by a third party is not a Claim.
11. *Constituent of Concern*—Asbestos, petroleum, radioactive materials, polychlorinated biphenyls (PCBs), lead-based paint (as defined by the HUD/EPA standard), hazardous waste, and any substance, product, waste, or other material of any nature whatsoever that is or becomes listed, regulated, or addressed pursuant to Laws and Regulations regulating, relating to, or imposing liability or standards of conduct concerning, any hazardous, toxic, or dangerous waste, substance, or material.
12. *Contract*—The entire and integrated written contract between Owner and Contractor concerning the Work.
13. *Contract Documents*—Those items so designated in the Agreement, and which together comprise the Contract.
14. *Contract Price*—The money that Owner has agreed to pay Contractor for completion of the Work in accordance with the Contract Documents.
15. *Contract Times*—The number of days or the dates by which Contractor shall: (a) achieve Milestones, if any; (b) achieve Substantial Completion; and (c) complete the Work.
16. *Contractor*—The individual or entity with which Owner has contracted for performance of the Work.
17. *Cost of the Work*—See Paragraph 13.01 for definition.
18. *Drawings*—The part of the Contract that graphically shows the scope, extent, and character of the Work to be performed by Contractor.
19. *Effective Date of the Contract*—The date, indicated in the Agreement, on which the Contract becomes effective.

20. *Electronic Document*—Any Project-related correspondence, attachments to correspondence, data, documents, drawings, information, or graphics, including but not limited to Shop Drawings and other Submittals, that are in an electronic or digital format.
21. *Electronic Means*—Electronic mail (email), upload/download from a secure Project website, or other communications methods that allow: (a) the transmission or communication of Electronic Documents; (b) the documentation of transmissions, including sending and receipt; (c) printing of the transmitted Electronic Document by the recipient; (d) the storage and archiving of the Electronic Document by sender and recipient; and (e) the use by recipient of the Electronic Document for purposes permitted by this Contract. Electronic Means does not include the use of text messaging, or of Facebook, Twitter, Instagram, or similar social media services for transmission of Electronic Documents.
22. *Engineer*—The individual or entity named as such in the Agreement.
23. *Field Order*—A written order issued by Engineer which requires minor changes in the Work but does not change the Contract Price or the Contract Times.
24. *Hazardous Environmental Condition*—The presence at the Site of Constituents of Concern in such quantities or circumstances that may present a danger to persons or property exposed thereto.
  - a. The presence at the Site of materials that are necessary for the execution of the Work, or that are to be incorporated into the Work, and that are controlled and contained pursuant to industry practices, Laws and Regulations, and the requirements of the Contract, is not a Hazardous Environmental Condition.
  - b. The presence of Constituents of Concern that are to be removed or remediated as part of the Work is not a Hazardous Environmental Condition.
  - c. The presence of Constituents of Concern as part of the routine, anticipated, and obvious working conditions at the Site, is not a Hazardous Environmental Condition.
25. *Laws and Regulations; Laws or Regulations*—Any and all applicable laws, statutes, rules, regulations, ordinances, codes, and binding decrees, resolutions, and orders of any and all governmental bodies, agencies, authorities, and courts having jurisdiction.
26. *Liens*—Charges, security interests, or encumbrances upon Contract-related funds, real property, or personal property.
27. *Milestone*—A principal event in the performance of the Work that the Contract requires Contractor to achieve by an intermediate completion date, or by a time prior to Substantial Completion of all the Work.
28. *Notice of Award*—The written notice by Owner to a Bidder of Owner's acceptance of the Bid.
29. *Notice to Proceed*—A written notice by Owner to Contractor fixing the date on which the Contract Times will commence to run and on which Contractor shall start to perform the Work.

30. *Owner*—The individual or entity with which Contractor has contracted regarding the Work, and which has agreed to pay Contractor for the performance of the Work, pursuant to the terms of the Contract.
31. *Progress Schedule*—A schedule, prepared and maintained by Contractor, describing the sequence and duration of the activities comprising Contractor’s plan to accomplish the Work within the Contract Times.
32. *Project*—The total undertaking to be accomplished for Owner by engineers, contractors, and others, including planning, study, design, construction, testing, commissioning, and start-up, and of which the Work to be performed under the Contract Documents is a part.
33. *Resident Project Representative*—The authorized representative of Engineer assigned to assist Engineer at the Site. As used herein, the term Resident Project Representative (RPR) includes any assistants or field staff of Resident Project Representative.
34. *Samples*—Physical examples of materials, equipment, or workmanship that are representative of some portion of the Work and that establish the standards by which such portion of the Work will be judged.
35. *Schedule of Submittals*—A schedule, prepared and maintained by Contractor, of required submittals and the time requirements for Engineer’s review of the submittals.
36. *Schedule of Values*—A schedule, prepared and maintained by Contractor, allocating portions of the Contract Price to various portions of the Work and used as the basis for reviewing Contractor’s Applications for Payment.
37. *Shop Drawings*—All drawings, diagrams, illustrations, schedules, and other data or information that are specifically prepared or assembled by or for Contractor and submitted by Contractor to illustrate some portion of the Work. Shop Drawings, whether approved or not, are not Drawings and are not Contract Documents.
38. *Site*—Lands or areas indicated in the Contract Documents as being furnished by Owner upon which the Work is to be performed, including rights-of-way and easements, and such other lands or areas furnished by Owner which are designated for the use of Contractor.
39. *Specifications*—The part of the Contract that consists of written requirements for materials, equipment, systems, standards, and workmanship as applied to the Work, and certain administrative requirements and procedural matters applicable to the Work.
40. *Subcontractor*—An individual or entity having a direct contract with Contractor or with any other Subcontractor for the performance of a part of the Work.
41. *Submittal*—A written or graphic document, prepared by or for Contractor, which the Contract Documents require Contractor to submit to Engineer, or that is indicated as a Submittal in the Schedule of Submittals accepted by Engineer. Submittals may include Shop Drawings and Samples; schedules; product data; Owner-delegated designs; sustainable design information; information on special procedures; testing plans; results of tests and evaluations, source quality-control testing and inspections, and field or Site quality-control testing and inspections; warranties and certifications; Suppliers’

instructions and reports; records of delivery of spare parts and tools; operations and maintenance data; Project photographic documentation; record documents; and other such documents required by the Contract Documents. Submittals, whether or not approved or accepted by Engineer, are not Contract Documents. Change Proposals, Change Orders, Claims, notices, Applications for Payment, and requests for interpretation or clarification are not Submittals.

42. *Substantial Completion*—The time at which the Work (or a specified part thereof) has progressed to the point where, in the opinion of Engineer, the Work (or a specified part thereof) is sufficiently complete, in accordance with the Contract Documents, so that the Work (or a specified part thereof) can be utilized for the purposes for which it is intended. The terms “substantially complete” and “substantially completed” as applied to all or part of the Work refer to Substantial Completion of such Work.
43. *Successful Bidder*—The Bidder to which the Owner makes an award of contract.
44. *Supplementary Conditions*—The part of the Contract that amends or supplements these General Conditions.
45. *Supplier*—A manufacturer, fabricator, supplier, distributor, or vendor having a direct contract with Contractor or with any Subcontractor to furnish materials or equipment to be incorporated in the Work by Contractor or a Subcontractor.
46. *Technical Data*
  - a. Those items expressly identified as Technical Data in the Supplementary Conditions, with respect to either (1) existing subsurface conditions at or adjacent to the Site, or existing physical conditions at or adjacent to the Site including existing surface or subsurface structures (except Underground Facilities) or (2) Hazardous Environmental Conditions at the Site.
  - b. If no such express identifications of Technical Data have been made with respect to conditions at the Site, then Technical Data is defined, with respect to conditions at the Site under Paragraphs 5.03, 5.04, and 5.06, as the data contained in boring logs, recorded measurements of subsurface water levels, assessments of the condition of subsurface facilities, laboratory test results, and other factual, objective information regarding conditions at the Site that are set forth in any geotechnical, environmental, or other Site or facilities conditions report prepared for the Project and made available to Contractor.
  - c. Information and data regarding the presence or location of Underground Facilities are not intended to be categorized, identified, or defined as Technical Data, and instead Underground Facilities are shown or indicated on the Drawings.
47. *Underground Facilities*—All active or not-in-service underground lines, pipelines, conduits, ducts, encasements, cables, wires, manholes, vaults, tanks, tunnels, or other such facilities or systems at the Site, including but not limited to those facilities or systems that produce, transmit, distribute, or convey telephone or other communications, cable television, fiber optic transmissions, power, electricity, light, heat, gases, oil, crude oil products, liquid petroleum products, water, steam, waste, wastewater, storm water,

other liquids or chemicals, or traffic or other control systems. An abandoned facility or system is not an Underground Facility.

- 48. *Unit Price Work*—Work to be paid for on the basis of unit prices.
- 49. *Work*—The entire construction or the various separately identifiable parts thereof required to be provided under the Contract Documents. Work includes and is the result of performing or providing all labor, services, and documentation necessary to produce such construction; furnishing, installing, and incorporating all materials and equipment into such construction; and may include related services such as testing, start-up, and commissioning, all as required by the Contract Documents.
- 50. *Work Change Directive*—A written directive to Contractor issued on or after the Effective Date of the Contract, signed by Owner and recommended by Engineer, ordering an addition, deletion, or revision in the Work.

## 1.02 Terminology

- A. The words and terms discussed in Paragraphs 1.02.B, C, D, and E are not defined terms that require initial capital letters, but, when used in the Bidding Requirements or Contract Documents, have the indicated meaning.
- B. *Intent of Certain Terms or Adjectives*: The Contract Documents include the terms “as allowed,” “as approved,” “as ordered,” “as directed” or terms of like effect or import to authorize an exercise of professional judgment by Engineer. In addition, the adjectives “reasonable,” “suitable,” “acceptable,” “proper,” “satisfactory,” or adjectives of like effect or import are used to describe an action or determination of Engineer as to the Work. It is intended that such exercise of professional judgment, action, or determination will be solely to evaluate, in general, the Work for compliance with the information in the Contract Documents and with the design concept of the Project as a functioning whole as shown or indicated in the Contract Documents (unless there is a specific statement indicating otherwise). The use of any such term or adjective is not intended to and shall not be effective to assign to Engineer any duty or authority to supervise or direct the performance of the Work, or any duty or authority to undertake responsibility contrary to the provisions of Article 10 or any other provision of the Contract Documents.
- C. *Day*: The word “day” means a calendar day of 24 hours measured from midnight to the next midnight.
- D. *Defective*: The word “defective,” when modifying the word “Work,” refers to Work that is unsatisfactory, faulty, or deficient in that it:
  - 1. does not conform to the Contract Documents;
  - 2. does not meet the requirements of any applicable inspection, reference standard, test, or approval referred to in the Contract Documents; or
  - 3. has been damaged prior to Engineer’s recommendation of final payment (unless responsibility for the protection thereof has been assumed by Owner at Substantial Completion in accordance with Paragraph 15.03 or Paragraph 15.04).

- E. *Furnish, Install, Perform, Provide*
1. The word “furnish,” when used in connection with services, materials, or equipment, means to supply and deliver said services, materials, or equipment to the Site (or some other specified location) ready for use or installation and in usable or operable condition.
  2. The word “install,” when used in connection with services, materials, or equipment, means to put into use or place in final position said services, materials, or equipment complete and ready for intended use.
  3. The words “perform” or “provide,” when used in connection with services, materials, or equipment, means to furnish and install said services, materials, or equipment complete and ready for intended use.
  4. If the Contract Documents establish an obligation of Contractor with respect to specific services, materials, or equipment, but do not expressly use any of the four words “furnish,” “install,” “perform,” or “provide,” then Contractor shall furnish and install said services, materials, or equipment complete and ready for intended use.
- F. *Contract Price or Contract Times*: References to a change in “Contract Price or Contract Times” or “Contract Times or Contract Price” or similar, indicate that such change applies to (1) Contract Price, (2) Contract Times, or (3) both Contract Price and Contract Times, as warranted, even if the term “or both” is not expressed.
- G. Unless stated otherwise in the Contract Documents, words or phrases that have a well-known technical or construction industry or trade meaning are used in the Contract Documents in accordance with such recognized meaning.

## **ARTICLE 2—PRELIMINARY MATTERS**

### **2.01 *Delivery of Performance and Payment Bonds; Evidence of Insurance***

- A. *Performance and Payment Bonds*: When Contractor delivers the signed counterparts of the Agreement to Owner, Contractor shall also deliver to Owner the performance bond and payment bond (if the Contract requires Contractor to furnish such bonds).
- B. *Evidence of Contractor’s Insurance*: When Contractor delivers the signed counterparts of the Agreement to Owner, Contractor shall also deliver to Owner, with copies to each additional insured (as identified in the Contract), the certificates, endorsements, and other evidence of insurance required to be provided by Contractor in accordance with Article 6, except to the extent the Supplementary Conditions expressly establish other dates for delivery of specific insurance policies.
- C. *Evidence of Owner’s Insurance*: After receipt of the signed counterparts of the Agreement and all required bonds and insurance documentation, Owner shall promptly deliver to Contractor, with copies to each additional insured (as identified in the Contract), the certificates and other evidence of insurance required to be provided by Owner under Article 6.

## 2.02 *Copies of Documents*

- A. Owner shall furnish to Contractor four printed copies of the Contract (including one fully signed counterpart of the Agreement), and one copy in electronic portable document format (PDF). Additional printed copies will be furnished upon request at the cost of reproduction.
- B. Owner shall maintain and safeguard at least one original printed record version of the Contract, including Drawings and Specifications signed and sealed by Engineer and other design professionals. Owner shall make such original printed record version of the Contract available to Contractor for review. Owner may delegate the responsibilities under this provision to Engineer.

## 2.03 *Before Starting Construction*

- A. *Preliminary Schedules:* Within 10 days after the Effective Date of the Contract (or as otherwise required by the Contract Documents), Contractor shall submit to Engineer for timely review:
  - 1. a preliminary Progress Schedule indicating the times (numbers of days or dates) for starting and completing the various stages of the Work, including any Milestones specified in the Contract;
  - 2. a preliminary Schedule of Submittals; and
  - 3. a preliminary Schedule of Values for all of the Work which includes quantities and prices of items which when added together equal the Contract Price and subdivides the Work into component parts in sufficient detail to serve as the basis for progress payments during performance of the Work. Such prices will include an appropriate amount of overhead and profit applicable to each item of Work.

## 2.04 *Preconstruction Conference; Designation of Authorized Representatives*

- A. Before any Work at the Site is started, a conference attended by Owner, Contractor, Engineer, and others as appropriate will be held to establish a working understanding among the parties as to the Work, and to discuss the schedules referred to in Paragraph 2.03.A, procedures for handling Shop Drawings, Samples, and other Submittals, processing Applications for Payment, electronic or digital transmittals, and maintaining required records.
- B. At this conference Owner and Contractor each shall designate, in writing, a specific individual to act as its authorized representative with respect to the services and responsibilities under the Contract. Such individuals shall have the authority to transmit and receive information, render decisions relative to the Contract, and otherwise act on behalf of each respective party.

## 2.05 *Acceptance of Schedules*

- A. At least 10 days before submission of the first Application for Payment a conference, attended by Contractor, Engineer, and others as appropriate, will be held to review the schedules submitted in accordance with Paragraph 2.03.A. No progress payment will be made to Contractor until acceptable schedules are submitted to Engineer.
  - 1. The Progress Schedule will be acceptable to Engineer if it provides an orderly progression of the Work to completion within the Contract Times. Such acceptance will not impose on Engineer responsibility for the Progress Schedule, for sequencing, scheduling, or



progress of the Work, nor interfere with or relieve Contractor from Contractor's full responsibility therefor.

2. Contractor's Schedule of Submittals will be acceptable to Engineer if it provides a workable arrangement for reviewing and processing the required submittals.
3. Contractor's Schedule of Values will be acceptable to Engineer as to form and substance if it provides a reasonable allocation of the Contract Price to the component parts of the Work.
4. If a schedule is not acceptable, Contractor will have an additional 10 days to revise and resubmit the schedule.

#### 2.06 *Electronic Transmittals*

- A. Except as otherwise stated elsewhere in the Contract, the Owner, Engineer, and Contractor may send, and shall accept, Electronic Documents transmitted by Electronic Means.
- B. If the Contract does not establish protocols for Electronic Means, then Owner, Engineer, and Contractor shall jointly develop such protocols.
- C. Subject to any governing protocols for Electronic Means, when transmitting Electronic Documents by Electronic Means, the transmitting party makes no representations as to long-term compatibility, usability, or readability of the Electronic Documents resulting from the recipient's use of software application packages, operating systems, or computer hardware differing from those used in the drafting or transmittal of the Electronic Documents.

### **ARTICLE 3—CONTRACT DOCUMENTS: INTENT, REQUIREMENTS, REUSE**

#### 3.01 *Intent*

- A. The Contract Documents are complementary; what is required by one Contract Document is as binding as if required by all.
- B. It is the intent of the Contract Documents to describe a functionally complete Project (or part thereof) to be constructed in accordance with the Contract Documents.
- C. Unless otherwise stated in the Contract Documents, if there is a discrepancy between the electronic versions of the Contract Documents (including any printed copies derived from such electronic versions) and the printed record version, the printed record version will govern.
- D. The Contract supersedes prior negotiations, representations, and agreements, whether written or oral.
- E. Engineer will issue clarifications and interpretations of the Contract Documents as provided herein.
- F. Any provision or part of the Contract Documents held to be void or unenforceable under any Law or Regulation will be deemed stricken, and all remaining provisions will continue to be valid and binding upon Owner and Contractor, which agree that the Contract Documents will be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

- G. Nothing in the Contract Documents creates:
1. any contractual relationship between Owner or Engineer and any Subcontractor, Supplier, or other individual or entity performing or furnishing any of the Work, for the benefit of such Subcontractor, Supplier, or other individual or entity; or
  2. any obligation on the part of Owner or Engineer to pay or to see to the payment of any money due any such Subcontractor, Supplier, or other individual or entity, except as may otherwise be required by Laws and Regulations.

### 3.02 *Reference Standards*

#### A. *Standards Specifications, Codes, Laws and Regulations*

1. Reference in the Contract Documents to standard specifications, manuals, reference standards, or codes of any technical society, organization, or association, or to Laws or Regulations, whether such reference be specific or by implication, means the standard specification, manual, reference standard, code, or Laws or Regulations in effect at the time of opening of Bids (or on the Effective Date of the Contract if there were no Bids), except as may be otherwise specifically stated in the Contract Documents.
2. No provision of any such standard specification, manual, reference standard, or code, and no instruction of a Supplier, will be effective to change the duties or responsibilities of Owner, Contractor, or Engineer from those set forth in the part of the Contract Documents prepared by or for Engineer. No such provision or instruction shall be effective to assign to Owner or Engineer any duty or authority to supervise or direct the performance of the Work, or any duty or authority to undertake responsibility inconsistent with the provisions of the part of the Contract Documents prepared by or for Engineer.

### 3.03 *Reporting and Resolving Discrepancies*

#### A. *Reporting Discrepancies*

1. *Contractor's Verification of Figures and Field Measurements:* Before undertaking each part of the Work, Contractor shall carefully study the Contract Documents, and check and verify pertinent figures and dimensions therein, particularly with respect to applicable field measurements. Contractor shall promptly report in writing to Engineer any conflict, error, ambiguity, or discrepancy that Contractor discovers, or has actual knowledge of, and shall not proceed with any Work affected thereby until the conflict, error, ambiguity, or discrepancy is resolved by a clarification or interpretation by Engineer, or by an amendment or supplement to the Contract issued pursuant to Paragraph 11.01.
2. *Contractor's Review of Contract Documents:* If, before or during the performance of the Work, Contractor discovers any conflict, error, ambiguity, or discrepancy within the Contract Documents, or between the Contract Documents and (a) any applicable Law or Regulation, (b) actual field conditions, (c) any standard specification, manual, reference standard, or code, or (d) any instruction of any Supplier, then Contractor shall promptly report it to Engineer in writing. Contractor shall not proceed with the Work affected thereby (except in an emergency as required by Paragraph 7.15) until the conflict, error,

ambiguity, or discrepancy is resolved, by a clarification or interpretation by Engineer, or by an amendment or supplement to the Contract issued pursuant to Paragraph 11.01.

3. Contractor shall not be liable to Owner or Engineer for failure to report any conflict, error, ambiguity, or discrepancy in the Contract Documents unless Contractor had actual knowledge thereof.

B. *Resolving Discrepancies*

1. Except as may be otherwise specifically stated in the Contract Documents, the provisions of the part of the Contract Documents prepared by or for Engineer take precedence in resolving any conflict, error, ambiguity, or discrepancy between such provisions of the Contract Documents and:
  - a. the provisions of any standard specification, manual, reference standard, or code, or the instruction of any Supplier (whether or not specifically incorporated by reference as a Contract Document); or
  - b. the provisions of any Laws or Regulations applicable to the performance of the Work (unless such an interpretation of the provisions of the Contract Documents would result in violation of such Law or Regulation).

3.04 *Requirements of the Contract Documents*

- A. During the performance of the Work and until final payment, Contractor and Owner shall submit to the Engineer in writing all matters in question concerning the requirements of the Contract Documents (sometimes referred to as requests for information or interpretation—RFIs), or relating to the acceptability of the Work under the Contract Documents, as soon as possible after such matters arise. Engineer will be the initial interpreter of the requirements of the Contract Documents, and judge of the acceptability of the Work.
- B. Engineer will, with reasonable promptness, render a written clarification, interpretation, or decision on the issue submitted, or initiate an amendment or supplement to the Contract Documents. Engineer's written clarification, interpretation, or decision will be final and binding on Contractor, unless it appeals by submitting a Change Proposal, and on Owner, unless it appeals by filing a Claim.
- C. If a submitted matter in question concerns terms and conditions of the Contract Documents that do not involve (1) the performance or acceptability of the Work under the Contract Documents, (2) the design (as set forth in the Drawings, Specifications, or otherwise), or (3) other engineering or technical matters, then Engineer will promptly notify Owner and Contractor in writing that Engineer is unable to provide a decision or interpretation. If Owner and Contractor are unable to agree on resolution of such a matter in question, either party may pursue resolution as provided in Article 12.

3.05 *Reuse of Documents*

- A. Contractor and its Subcontractors and Suppliers shall not:
  1. have or acquire any title to or ownership rights in any of the Drawings, Specifications, or other documents (or copies of any thereof) prepared by or bearing the seal of Engineer or its consultants, including electronic media versions, or reuse any such Drawings,

- Specifications, other documents, or copies thereof on extensions of the Project or any other project without written consent of Owner and Engineer and specific written verification or adaptation by Engineer; or
2. have or acquire any title or ownership rights in any other Contract Documents, reuse any such Contract Documents for any purpose without Owner's express written consent, or violate any copyrights pertaining to such Contract Documents.
- B. The prohibitions of this Paragraph 3.05 will survive final payment, or termination of the Contract. Nothing herein precludes Contractor from retaining copies of the Contract Documents for record purposes.

#### **ARTICLE 4—COMMENCEMENT AND PROGRESS OF THE WORK**

##### **4.01** *Commencement of Contract Times; Notice to Proceed*

- A. The Contract Times will commence to run on the 30th day after the Effective Date of the Contract or, if a Notice to Proceed is given, on the day indicated in the Notice to Proceed. A Notice to Proceed may be given at any time within 30 days after the Effective Date of the Contract. In no event will the Contract Times commence to run later than the 60th day after the day of Bid opening or the 30th day after the Effective Date of the Contract, whichever date is earlier.

##### **4.02** *Starting the Work*

- A. Contractor shall start to perform the Work on the date when the Contract Times commence to run. No Work may be done at the Site prior to such date.

##### **4.03** *Reference Points*

- A. Owner shall provide engineering surveys to establish reference points for construction which in Engineer's judgment are necessary to enable Contractor to proceed with the Work. Contractor shall be responsible for laying out the Work, shall protect and preserve the established reference points and property monuments, and shall make no changes or relocations without the prior written approval of Owner. Contractor shall report to Engineer whenever any reference point or property monument is lost or destroyed or requires relocation because of necessary changes in grades or locations, and shall be responsible for the accurate replacement or relocation of such reference points or property monuments by professionally qualified personnel.

##### **4.04** *Progress Schedule*

- A. Contractor shall adhere to the Progress Schedule established in accordance with Paragraph 2.05 as it may be adjusted from time to time as provided below.
1. Contractor shall submit to Engineer for acceptance (to the extent indicated in Paragraph 2.05) proposed adjustments in the Progress Schedule that will not result in changing the Contract Times.
  2. Proposed adjustments in the Progress Schedule that will change the Contract Times must be submitted in accordance with the requirements of Article 11.

- B. Contractor shall carry on the Work and adhere to the Progress Schedule during all disputes or disagreements with Owner. No Work will be delayed or postponed pending resolution of any disputes or disagreements, or during any appeal process, except as permitted by Paragraph 16.04, or as Owner and Contractor may otherwise agree in writing.

4.05 *Delays in Contractor's Progress*

- A. If Owner, Engineer, or anyone for whom Owner is responsible, delays, disrupts, or interferes with the performance or progress of the Work, then Contractor shall be entitled to an equitable adjustment in Contract Price or Contract Times.
- B. Contractor shall not be entitled to an adjustment in Contract Price or Contract Times for delay, disruption, or interference caused by or within the control of Contractor. Delay, disruption, and interference attributable to and within the control of a Subcontractor or Supplier shall be deemed to be within the control of Contractor.
- C. If Contractor's performance or progress is delayed, disrupted, or interfered with by unanticipated causes not the fault of and beyond the control of Owner, Contractor, and those for which they are responsible, then Contractor shall be entitled to an equitable adjustment in Contract Times. Such an adjustment will be Contractor's sole and exclusive remedy for the delays, disruption, and interference described in this paragraph. Causes of delay, disruption, or interference that may give rise to an adjustment in Contract Times under this paragraph include but are not limited to the following:
  - 1. Severe and unavoidable natural catastrophes such as fires, floods, epidemics, and earthquakes;
  - 2. Abnormal weather conditions;
  - 3. Acts or failures to act of third-party utility owners or other third-party entities (other than those third-party utility owners or other third-party entities performing other work at or adjacent to the Site as arranged by or under contract with Owner, as contemplated in Article 8); and
  - 4. Acts of war or terrorism.
- D. Contractor's entitlement to an adjustment of Contract Times or Contract Price is limited as follows:
  - 1. Contractor's entitlement to an adjustment of the Contract Times is conditioned on the delay, disruption, or interference adversely affecting an activity on the critical path to completion of the Work, as of the time of the delay, disruption, or interference.
  - 2. Contractor shall not be entitled to an adjustment in Contract Price for any delay, disruption, or interference if such delay is concurrent with a delay, disruption, or interference caused by or within the control of Contractor. Such a concurrent delay by Contractor shall not preclude an adjustment of Contract Times to which Contractor is otherwise entitled.
  - 3. Adjustments of Contract Times or Contract Price are subject to the provisions of Article 11.

- E. Each Contractor request or Change Proposal seeking an increase in Contract Times or Contract Price must be supplemented by supporting data that sets forth in detail the following:
  - 1. The circumstances that form the basis for the requested adjustment;
  - 2. The date upon which each cause of delay, disruption, or interference began to affect the progress of the Work;
  - 3. The date upon which each cause of delay, disruption, or interference ceased to affect the progress of the Work;
  - 4. The number of days' increase in Contract Times claimed as a consequence of each such cause of delay, disruption, or interference; and
  - 5. The impact on Contract Price, in accordance with the provisions of Paragraph 11.07.

Contractor shall also furnish such additional supporting documentation as Owner or Engineer may require including, where appropriate, a revised progress schedule indicating all the activities affected by the delay, disruption, or interference, and an explanation of the effect of the delay, disruption, or interference on the critical path to completion of the Work.
- F. Delays, disruption, and interference to the performance or progress of the Work resulting from the existence of a differing subsurface or physical condition, an Underground Facility that was not shown or indicated by the Contract Documents, or not shown or indicated with reasonable accuracy, and those resulting from Hazardous Environmental Conditions, are governed by Article 5, together with the provisions of Paragraphs 4.05.D and 4.05.E.
- G. Paragraph 8.03 addresses delays, disruption, and interference to the performance or progress of the Work resulting from the performance of certain other work at or adjacent to the Site.

**ARTICLE 5—SITE; SUBSURFACE AND PHYSICAL CONDITIONS; HAZARDOUS ENVIRONMENTAL CONDITIONS**

5.01 *Availability of Lands*

- A. Owner shall furnish the Site. Owner shall notify Contractor in writing of any encumbrances or restrictions not of general application but specifically related to use of the Site with which Contractor must comply in performing the Work.
- B. Upon reasonable written request, Owner shall furnish Contractor with a current statement of record legal title and legal description of the lands upon which permanent improvements are to be made and Owner's interest therein as necessary for giving notice of or filing a mechanic's or construction lien against such lands in accordance with applicable Laws and Regulations.
- C. Contractor shall provide for all additional lands and access thereto that may be required for temporary construction facilities or storage of materials and equipment.

5.02 *Use of Site and Other Areas*

- A. *Limitation on Use of Site and Other Areas*
  - 1. Contractor shall confine construction equipment, temporary construction facilities, the storage of materials and equipment, and the operations of workers to the Site, adjacent

areas that Contractor has arranged to use through construction easements or otherwise, and other adjacent areas permitted by Laws and Regulations, and shall not unreasonably encumber the Site and such other adjacent areas with construction equipment or other materials or equipment. Contractor shall assume full responsibility for (a) damage to the Site; (b) damage to any such other adjacent areas used for Contractor's operations; (c) damage to any other adjacent land or areas, or to improvements, structures, utilities, or similar facilities located at such adjacent lands or areas; and (d) for injuries and losses sustained by the owners or occupants of any such land or areas; provided that such damage or injuries result from the performance of the Work or from other actions or conduct of the Contractor or those for which Contractor is responsible.

2. If a damage or injury claim is made by the owner or occupant of any such land or area because of the performance of the Work, or because of other actions or conduct of the Contractor or those for which Contractor is responsible, Contractor shall (a) take immediate corrective or remedial action as required by Paragraph 7.13, or otherwise; (b) promptly attempt to settle the claim as to all parties through negotiations with such owner or occupant, or otherwise resolve the claim by arbitration or other dispute resolution proceeding, or in a court of competent jurisdiction; and (c) to the fullest extent permitted by Laws and Regulations, indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them, from and against any such claim, and against all costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any claim or action, legal or equitable, brought by any such owner or occupant against Owner, Engineer, or any other party indemnified hereunder to the extent caused directly or indirectly, in whole or in part by, or based upon, Contractor's performance of the Work, or because of other actions or conduct of the Contractor or those for which Contractor is responsible.
- B. *Removal of Debris During Performance of the Work:* During the progress of the Work the Contractor shall keep the Site and other adjacent areas free from accumulations of waste materials, rubbish, and other debris. Removal and disposal of such waste materials, rubbish, and other debris will conform to applicable Laws and Regulations.
  - C. *Cleaning:* Prior to Substantial Completion of the Work Contractor shall clean the Site and the Work and make it ready for utilization by Owner. At the completion of the Work Contractor shall remove from the Site and adjacent areas all tools, appliances, construction equipment and machinery, and surplus materials and shall restore to original condition all property not designated for alteration by the Contract Documents.
  - D. *Loading of Structures:* Contractor shall not load nor permit any part of any structure to be loaded in any manner that will endanger the structure, nor shall Contractor subject any part of the Work or adjacent structures or land to stresses or pressures that will endanger them.

### 5.03 *Subsurface and Physical Conditions*

- A. *Reports and Drawings:* The Supplementary Conditions identify:
1. Those reports of explorations and tests of subsurface conditions at or adjacent to the Site that contain Technical Data;
  2. Those drawings of existing physical conditions at or adjacent to the Site, including those drawings depicting existing surface or subsurface structures at or adjacent to the Site (except Underground Facilities), that contain Technical Data; and
  3. Technical Data contained in such reports and drawings.
- B. *Underground Facilities:* Underground Facilities are shown or indicated on the Drawings, pursuant to Paragraph 5.05, and not in the drawings referred to in Paragraph 5.03.A. Information and data regarding the presence or location of Underground Facilities are not intended to be categorized, identified, or defined as Technical Data.
- C. *Reliance by Contractor on Technical Data:* Contractor may rely upon the accuracy of the Technical Data expressly identified in the Supplementary Conditions with respect to such reports and drawings, but such reports and drawings are not Contract Documents. If no such express identification has been made, then Contractor may rely upon the accuracy of the Technical Data as defined in Paragraph 1.01.A.46.b.
- D. *Limitations of Other Data and Documents:* Except for such reliance on Technical Data, Contractor may not rely upon or make any claim against Owner or Engineer, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, with respect to:
1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor, and safety precautions and programs incident thereto;
  2. other data, interpretations, opinions, and information contained in such reports or shown or indicated in such drawings;
  3. the contents of other Site-related documents made available to Contractor, such as record drawings from other projects at or adjacent to the Site, or Owner's archival documents concerning the Site; or
  4. any Contractor interpretation of or conclusion drawn from any Technical Data or any such other data, interpretations, opinions, or information.

### 5.04 *Differing Subsurface or Physical Conditions*

- A. *Notice by Contractor:* If Contractor believes that any subsurface or physical condition that is uncovered or revealed at the Site:
1. is of such a nature as to establish that any Technical Data on which Contractor is entitled to rely as provided in Paragraph 5.03 is materially inaccurate;
  2. is of such a nature as to require a change in the Drawings or Specifications;



3. differs materially from that shown or indicated in the Contract Documents; or
4. is of an unusual nature, and differs materially from conditions ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract Documents;

then Contractor shall, promptly after becoming aware thereof and before further disturbing the subsurface or physical conditions or performing any Work in connection therewith (except in an emergency as required by Paragraph 7.15), notify Owner and Engineer in writing about such condition. Contractor shall not further disturb such condition or perform any Work in connection therewith (except with respect to an emergency) until receipt of a written statement permitting Contractor to do so.

- B. *Engineer's Review:* After receipt of written notice as required by the preceding paragraph, Engineer will promptly review the subsurface or physical condition in question; determine whether it is necessary for Owner to obtain additional exploration or tests with respect to the condition; conclude whether the condition falls within any one or more of the differing site condition categories in Paragraph 5.04.A; obtain any pertinent cost or schedule information from Contractor; prepare recommendations to Owner regarding the Contractor's resumption of Work in connection with the subsurface or physical condition in question and the need for any change in the Drawings or Specifications; and advise Owner in writing of Engineer's findings, conclusions, and recommendations.
- C. *Owner's Statement to Contractor Regarding Site Condition:* After receipt of Engineer's written findings, conclusions, and recommendations, Owner shall issue a written statement to Contractor (with a copy to Engineer) regarding the subsurface or physical condition in question, addressing the resumption of Work in connection with such condition, indicating whether any change in the Drawings or Specifications will be made, and adopting or rejecting Engineer's written findings, conclusions, and recommendations, in whole or in part.
- D. *Early Resumption of Work:* If at any time Engineer determines that Work in connection with the subsurface or physical condition in question may resume prior to completion of Engineer's review or Owner's issuance of its statement to Contractor, because the condition in question has been adequately documented, and analyzed on a preliminary basis, then the Engineer may at its discretion instruct Contractor to resume such Work.
- E. *Possible Price and Times Adjustments*
  1. Contractor shall be entitled to an equitable adjustment in Contract Price or Contract Times, to the extent that the existence of a differing subsurface or physical condition, or any related delay, disruption, or interference, causes an increase or decrease in Contractor's cost of, or time required for, performance of the Work; subject, however, to the following:
    - a. Such condition must fall within any one or more of the categories described in Paragraph 5.04.A;
    - b. With respect to Work that is paid for on a unit price basis, any adjustment in Contract Price will be subject to the provisions of Paragraph 13.03; and,

- c. Contractor's entitlement to an adjustment of the Contract Times is subject to the provisions of Paragraphs 4.05.D and 4.05.E.
  2. Contractor shall not be entitled to any adjustment in the Contract Price or Contract Times with respect to a subsurface or physical condition if:
    - a. Contractor knew of the existence of such condition at the time Contractor made a commitment to Owner with respect to Contract Price and Contract Times by the submission of a Bid or becoming bound under a negotiated contract, or otherwise;
    - b. The existence of such condition reasonably could have been discovered or revealed as a result of any examination, investigation, exploration, test, or study of the Site and contiguous areas expressly required by the Bidding Requirements or Contract Documents to be conducted by or for Contractor prior to Contractor's making such commitment; or
    - c. Contractor failed to give the written notice required by Paragraph 5.04.A.
  3. If Owner and Contractor agree regarding Contractor's entitlement to and the amount or extent of any adjustment in the Contract Price or Contract Times, then any such adjustment will be set forth in a Change Order.
  4. Contractor may submit a Change Proposal regarding its entitlement to or the amount or extent of any adjustment in the Contract Price or Contract Times, no later than 30 days after Owner's issuance of the Owner's written statement to Contractor regarding the subsurface or physical condition in question.
- F. *Underground Facilities; Hazardous Environmental Conditions:* Paragraph 5.05 governs rights and responsibilities regarding the presence or location of Underground Facilities. Paragraph 5.06 governs rights and responsibilities regarding Hazardous Environmental Conditions. The provisions of Paragraphs 5.03 and 5.04 are not applicable to the presence or location of Underground Facilities, or to Hazardous Environmental Conditions.

5.05 *Underground Facilities*

- A. *Contractor's Responsibilities:* Unless it is otherwise expressly provided in the Supplementary Conditions, the cost of all of the following are included in the Contract Price, and Contractor shall have full responsibility for:
  1. reviewing and checking all information and data regarding existing Underground Facilities at the Site;
  2. complying with applicable state and local utility damage prevention Laws and Regulations;
  3. verifying the actual location of those Underground Facilities shown or indicated in the Contract Documents as being within the area affected by the Work, by exposing such Underground Facilities during the course of construction;
  4. coordination of the Work with the owners (including Owner) of such Underground Facilities, during construction; and

5. the safety and protection of all existing Underground Facilities at the Site, and repairing any damage thereto resulting from the Work.
- B. *Notice by Contractor:* If Contractor believes that an Underground Facility that is uncovered or revealed at the Site was not shown or indicated on the Drawings, or was not shown or indicated on the Drawings with reasonable accuracy, then Contractor shall, promptly after becoming aware thereof and before further disturbing conditions affected thereby or performing any Work in connection therewith (except in an emergency as required by Paragraph 7.15), notify Owner and Engineer in writing regarding such Underground Facility.
- C. *Engineer's Review:* Engineer will:
1. promptly review the Underground Facility and conclude whether such Underground Facility was not shown or indicated on the Drawings, or was not shown or indicated with reasonable accuracy;
  2. identify and communicate with the owner of the Underground Facility; prepare recommendations to Owner (and if necessary issue any preliminary instructions to Contractor) regarding the Contractor's resumption of Work in connection with the Underground Facility in question;
  3. obtain any pertinent cost or schedule information from Contractor; determine the extent, if any, to which a change is required in the Drawings or Specifications to reflect and document the consequences of the existence or location of the Underground Facility; and
  4. advise Owner in writing of Engineer's findings, conclusions, and recommendations.
- During such time, Contractor shall be responsible for the safety and protection of such Underground Facility.
- D. *Owner's Statement to Contractor Regarding Underground Facility:* After receipt of Engineer's written findings, conclusions, and recommendations, Owner shall issue a written statement to Contractor (with a copy to Engineer) regarding the Underground Facility in question addressing the resumption of Work in connection with such Underground Facility, indicating whether any change in the Drawings or Specifications will be made, and adopting or rejecting Engineer's written findings, conclusions, and recommendations in whole or in part.
- E. *Early Resumption of Work:* If at any time Engineer determines that Work in connection with the Underground Facility may resume prior to completion of Engineer's review or Owner's issuance of its statement to Contractor, because the Underground Facility in question and conditions affected by its presence have been adequately documented, and analyzed on a preliminary basis, then the Engineer may at its discretion instruct Contractor to resume such Work.
- F. *Possible Price and Times Adjustments*
1. Contractor shall be entitled to an equitable adjustment in the Contract Price or Contract Times, to the extent that any existing Underground Facility at the Site that was not shown or indicated on the Drawings, or was not shown or indicated with reasonable accuracy, or any related delay, disruption, or interference, causes an increase or decrease in

Contractor's cost of, or time required for, performance of the Work; subject, however, to the following:

- a. With respect to Work that is paid for on a unit price basis, any adjustment in Contract Price will be subject to the provisions of Paragraph 13.03;
  - b. Contractor's entitlement to an adjustment of the Contract Times is subject to the provisions of Paragraphs 4.05.D and 4.05.E; and
  - c. Contractor gave the notice required in Paragraph 5.05.B.
2. If Owner and Contractor agree regarding Contractor's entitlement to and the amount or extent of any adjustment in the Contract Price or Contract Times, then any such adjustment will be set forth in a Change Order.
  3. Contractor may submit a Change Proposal regarding its entitlement to or the amount or extent of any adjustment in the Contract Price or Contract Times, no later than 30 days after Owner's issuance of the Owner's written statement to Contractor regarding the Underground Facility in question.
  4. The information and data shown or indicated on the Drawings with respect to existing Underground Facilities at the Site is based on information and data (a) furnished by the owners of such Underground Facilities, or by others, (b) obtained from available records, or (c) gathered in an investigation conducted in accordance with the current edition of ASCE 38, Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data, by the American Society of Civil Engineers. If such information or data is incorrect or incomplete, Contractor's remedies are limited to those set forth in this Paragraph 5.05.F.

5.06 *Hazardous Environmental Conditions at Site*

A. *Reports and Drawings:* The Supplementary Conditions identify:

1. those reports known to Owner relating to Hazardous Environmental Conditions that have been identified at or adjacent to the Site;
2. drawings known to Owner relating to Hazardous Environmental Conditions that have been identified at or adjacent to the Site; and
3. Technical Data contained in such reports and drawings.

B. *Reliance by Contractor on Technical Data Authorized:* Contractor may rely upon the accuracy of the Technical Data expressly identified in the Supplementary Conditions with respect to such reports and drawings, but such reports and drawings are not Contract Documents. If no such express identification has been made, then Contractor may rely on the accuracy of the Technical Data as defined in Paragraph 1.01.A.46.b. Except for such reliance on Technical Data, Contractor may not rely upon or make any claim against Owner or Engineer, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, with respect to:

1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences and procedures

- of construction to be employed by Contractor, and safety precautions and programs incident thereto;
2. other data, interpretations, opinions, and information contained in such reports or shown or indicated in such drawings; or
  3. any Contractor interpretation of or conclusion drawn from any Technical Data or any such other data, interpretations, opinions or information.
- C. Contractor shall not be responsible for removing or remediating any Hazardous Environmental Condition encountered, uncovered, or revealed at the Site unless such removal or remediation is expressly identified in the Contract Documents to be within the scope of the Work.
- D. Contractor shall be responsible for controlling, containing, and duly removing all Constituents of Concern brought to the Site by Contractor, Subcontractors, Suppliers, or anyone else for whom Contractor is responsible, and for any associated costs; and for the costs of removing and remediating any Hazardous Environmental Condition created by the presence of any such Constituents of Concern.
- E. If Contractor encounters, uncovers, or reveals a Hazardous Environmental Condition whose removal or remediation is not expressly identified in the Contract Documents as being within the scope of the Work, or if Contractor or anyone for whom Contractor is responsible creates a Hazardous Environmental Condition, then Contractor shall immediately: (1) secure or otherwise isolate such condition; (2) stop all Work in connection with such condition and in any area affected thereby (except in an emergency as required by Paragraph 7.15); and (3) notify Owner and Engineer (and promptly thereafter confirm such notice in writing). Owner shall promptly consult with Engineer concerning the necessity for Owner to retain a qualified expert to evaluate such condition or take corrective action, if any. Promptly after consulting with Engineer, Owner shall take such actions as are necessary to permit Owner to timely obtain required permits and provide Contractor the written notice required by Paragraph 5.06.F. If Contractor or anyone for whom Contractor is responsible created the Hazardous Environmental Condition in question, then Owner may remove and remediate the Hazardous Environmental Condition, and impose a set-off against payments to account for the associated costs.
- F. Contractor shall not resume Work in connection with such Hazardous Environmental Condition or in any affected area until after Owner has obtained any required permits related thereto, and delivered written notice to Contractor either (1) specifying that such condition and any affected area is or has been rendered safe for the resumption of Work, or (2) specifying any special conditions under which such Work may be resumed safely.
- G. If Owner and Contractor cannot agree as to entitlement to or on the amount or extent, if any, of any adjustment in Contract Price or Contract Times, as a result of such Work stoppage, such special conditions under which Work is agreed to be resumed by Contractor, or any costs or expenses incurred in response to the Hazardous Environmental Condition, then within 30 days of Owner's written notice regarding the resumption of Work, Contractor may submit a Change Proposal, or Owner may impose a set-off. Entitlement to any such adjustment is subject to the provisions of Paragraphs 4.05.D, 4.05.E, 11.07, and 11.08.

- H. If, after receipt of such written notice, Contractor does not agree to resume such Work based on a reasonable belief it is unsafe, or does not agree to resume such Work under such special conditions, then Owner may order the portion of the Work that is in the area affected by such condition to be deleted from the Work, following the contractual change procedures in Article 11. Owner may have such deleted portion of the Work performed by Owner's own forces or others in accordance with Article 8.
- I. To the fullest extent permitted by Laws and Regulations, Owner shall indemnify and hold harmless Contractor, Subcontractors, and Engineer, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court, arbitration, or other dispute resolution costs) arising out of or relating to a Hazardous Environmental Condition, provided that such Hazardous Environmental Condition (1) was not shown or indicated in the Drawings, Specifications, or other Contract Documents, identified as Technical Data entitled to limited reliance pursuant to Paragraph 5.06.B, or identified in the Contract Documents to be included within the scope of the Work, and (2) was not created by Contractor or by anyone for whom Contractor is responsible. Nothing in this Paragraph 5.06.I obligates Owner to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.
- J. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to the failure to control, contain, or remove a Constituent of Concern brought to the Site by Contractor or by anyone for whom Contractor is responsible, or to a Hazardous Environmental Condition created by Contractor or by anyone for whom Contractor is responsible. Nothing in this Paragraph 5.06.J obligates Contractor to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.
- K. The provisions of Paragraphs 5.03, 5.04, and 5.05 do not apply to the presence of Constituents of Concern or to a Hazardous Environmental Condition uncovered or revealed at the Site.

## **ARTICLE 6—BONDS AND INSURANCE**

### *6.01 Performance, Payment, and Other Bonds*

- A. Contractor shall furnish a performance bond and a payment bond, each in an amount at least equal to the Contract Price, as security for the faithful performance and payment of Contractor's obligations under the Contract. These bonds must remain in effect until one year after the date when final payment becomes due or until completion of the correction period specified in Paragraph 15.08, whichever is later, except as provided otherwise by Laws or Regulations, the terms of a prescribed bond form, the Supplementary Conditions, or other provisions of the Contract.

- B. Contractor shall also furnish such other bonds (if any) as are required by the Supplementary Conditions or other provisions of the Contract.
- C. All bonds must be in the form included in the Bidding Documents or otherwise specified by Owner prior to execution of the Contract, except as provided otherwise by Laws or Regulations, and must be issued and signed by a surety named in "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" as published in Department Circular 570 (as amended and supplemented) by the Bureau of the Fiscal Service, U.S. Department of the Treasury. A bond signed by an agent or attorney-in-fact must be accompanied by a certified copy of that individual's authority to bind the surety. The evidence of authority must show that it is effective on the date the agent or attorney-in-fact signed the accompanying bond.
- D. Contractor shall obtain the required bonds from surety companies that are duly licensed or authorized, in the state or jurisdiction in which the Project is located, to issue bonds in the required amounts.
- E. If the surety on a bond furnished by Contractor is declared bankrupt or becomes insolvent, or the surety ceases to meet the requirements above, then Contractor shall promptly notify Owner and Engineer in writing and shall, within 20 days after the event giving rise to such notification, provide another bond and surety, both of which must comply with the bond and surety requirements above.
- F. If Contractor has failed to obtain a required bond, Owner may exclude the Contractor from the Site and exercise Owner's termination rights under Article 16.
- G. Upon request to Owner from any Subcontractor, Supplier, or other person or entity claiming to have furnished labor, services, materials, or equipment used in the performance of the Work, Owner shall provide a copy of the payment bond to such person or entity.
- H. Upon request to Contractor from any Subcontractor, Supplier, or other person or entity claiming to have furnished labor, services, materials, or equipment used in the performance of the Work, Contractor shall provide a copy of the payment bond to such person or entity.

#### 6.02 *Insurance—General Provisions*

- A. Owner and Contractor shall obtain and maintain insurance as required in this article and in the Supplementary Conditions.
- B. All insurance required by the Contract to be purchased and maintained by Owner or Contractor shall be obtained from insurance companies that are duly licensed or authorized in the state or jurisdiction in which the Project is located to issue insurance policies for the required limits and coverages. Unless a different standard is indicated in the Supplementary Conditions, all companies that provide insurance policies required under this Contract shall have an A.M. Best rating of A-VII or better.
- C. Alternative forms of insurance coverage, including but not limited to self-insurance and "Occupational Accident and Excess Employer's Indemnity Policies," are not sufficient to meet the insurance requirements of this Contract, unless expressly allowed in the Supplementary Conditions.

- D. Contractor shall deliver to Owner, with copies to each additional insured identified in the Contract, certificates of insurance and endorsements establishing that Contractor has obtained and is maintaining the policies and coverages required by the Contract. Upon request by Owner or any other insured, Contractor shall also furnish other evidence of such required insurance, including but not limited to copies of policies, documentation of applicable self-insured retentions (if allowed) and deductibles, full disclosure of all relevant exclusions, and evidence of insurance required to be purchased and maintained by Subcontractors or Suppliers. In any documentation furnished under this provision, Contractor, Subcontractors, and Suppliers may block out (redact) (1) any confidential premium or pricing information and (2) any wording specific to a project or jurisdiction other than those applicable to this Contract.
- E. Owner shall deliver to Contractor, with copies to each additional insured identified in the Contract, certificates of insurance and endorsements establishing that Owner has obtained and is maintaining the policies and coverages required of Owner by the Contract (if any). Upon request by Contractor or any other insured, Owner shall also provide other evidence of such required insurance (if any), including but not limited to copies of policies, documentation of applicable self-insured retentions (if allowed) and deductibles, and full disclosure of all relevant exclusions. In any documentation furnished under this provision, Owner may block out (redact) (1) any confidential premium or pricing information and (2) any wording specific to a project or jurisdiction other than those relevant to this Contract.
- F. Failure of Owner or Contractor to demand such certificates or other evidence of the other party's full compliance with these insurance requirements, or failure of Owner or Contractor to identify a deficiency in compliance from the evidence provided, will not be construed as a waiver of the other party's obligation to obtain and maintain such insurance.
- G. In addition to the liability insurance required to be provided by Contractor, the Owner, at Owner's option, may purchase and maintain Owner's own liability insurance. Owner's liability policies, if any, operate separately and independently from policies required to be provided by Contractor, and Contractor cannot rely upon Owner's liability policies for any of Contractor's obligations to the Owner, Engineer, or third parties.
- H. Contractor shall require:
  - 1. Subcontractors to purchase and maintain worker's compensation, commercial general liability, and other insurance that is appropriate for their participation in the Project, and to name as additional insureds Owner and Engineer (and any other individuals or entities identified in the Supplementary Conditions as additional insureds on Contractor's liability policies) on each Subcontractor's commercial general liability insurance policy; and
  - 2. Suppliers to purchase and maintain insurance that is appropriate for their participation in the Project.
- I. If either party does not purchase or maintain the insurance required of such party by the Contract, such party shall notify the other party in writing of such failure to purchase prior to the start of the Work, or of such failure to maintain prior to any change in the required coverage.



- J. If Contractor has failed to obtain and maintain required insurance, Contractor's entitlement to enter or remain at the Site will end immediately, and Owner may impose an appropriate set-off against payment for any associated costs (including but not limited to the cost of purchasing necessary insurance coverage), and exercise Owner's termination rights under Article 16.
- K. Without prejudice to any other right or remedy, if a party has failed to obtain required insurance, the other party may elect (but is in no way obligated) to obtain equivalent insurance to protect such other party's interests at the expense of the party who was required to provide such coverage, and the Contract Price will be adjusted accordingly.
- L. Owner does not represent that insurance coverage and limits established in this Contract necessarily will be adequate to protect Contractor or Contractor's interests. Contractor is responsible for determining whether such coverage and limits are adequate to protect its interests, and for obtaining and maintaining any additional insurance that Contractor deems necessary.
- M. The insurance and insurance limits required herein will not be deemed as a limitation on Contractor's liability, or that of its Subcontractors or Suppliers, under the indemnities granted to Owner and other individuals and entities in the Contract or otherwise.
- N. All the policies of insurance required to be purchased and maintained under this Contract will contain a provision or endorsement that the coverage afforded will not be canceled, or renewal refused, until at least 10 days prior written notice has been given to the purchasing policyholder. Within three days of receipt of any such written notice, the purchasing policyholder shall provide a copy of the notice to each other insured and Engineer.

6.03 *Contractor's Insurance*

- A. *Required Insurance:* Contractor shall purchase and maintain Worker's Compensation, Commercial General Liability, and other insurance pursuant to the specific requirements of the Supplementary Conditions.
- B. *General Provisions:* The policies of insurance required by this Paragraph 6.03 as supplemented must:
  1. include at least the specific coverages required;
  2. be written for not less than the limits provided, or those required by Laws or Regulations, whichever is greater;
  3. remain in effect at least until the Work is complete (as set forth in Paragraph 15.06.D), and longer if expressly required elsewhere in this Contract, and at all times thereafter when Contractor may be correcting, removing, or replacing defective Work as a warranty or correction obligation, or otherwise, or returning to the Site to conduct other tasks arising from the Contract;
  4. apply with respect to the performance of the Work, whether such performance is by Contractor, any Subcontractor or Supplier, or by anyone directly or indirectly employed by any of them to perform any of the Work, or by anyone for whose acts any of them may be liable; and

5. include all necessary endorsements to support the stated requirements.
- C. *Additional Insureds*: The Contractor's commercial general liability, automobile liability, employer's liability, umbrella or excess, pollution liability, and unmanned aerial vehicle liability policies, if required by this Contract, must:
1. include and list as additional insureds Owner and Engineer, and any individuals or entities identified as additional insureds in the Supplementary Conditions;
  2. include coverage for the respective officers, directors, members, partners, employees, and consultants of all such additional insureds;
  3. afford primary coverage to these additional insureds for all claims covered thereby (including as applicable those arising from both ongoing and completed operations);
  4. not seek contribution from insurance maintained by the additional insured; and
  5. as to commercial general liability insurance, apply to additional insureds with respect to liability caused in whole or in part by Contractor's acts or omissions, or the acts and omissions of those working on Contractor's behalf, in the performance of Contractor's operations.

#### 6.04 *Builder's Risk and Other Property Insurance*

- A. *Builder's Risk*: Unless otherwise provided in the Supplementary Conditions, Contractor shall purchase and maintain builder's risk insurance upon the Work on a completed value basis, in the amount of the Work's full insurable replacement cost (subject to such deductible amounts as may be provided in the Supplementary Conditions or required by Laws and Regulations). The specific requirements applicable to the builder's risk insurance are set forth in the Supplementary Conditions.
- B. *Property Insurance for Facilities of Owner Where Work Will Occur*: Owner is responsible for obtaining and maintaining property insurance covering each existing structure, building, or facility in which any part of the Work will occur, or to which any part of the Work will attach or be adjoined. Such property insurance will be written on a special perils (all-risk) form, on a replacement cost basis, providing coverage consistent with that required for the builder's risk insurance, and will be maintained until the Work is complete, as set forth in Paragraph 15.06.D.
- C. *Property Insurance for Substantially Complete Facilities*: Promptly after Substantial Completion, and before actual occupancy or use of the substantially completed Work, Owner will obtain property insurance for such substantially completed Work, and maintain such property insurance at least until the Work is complete, as set forth in Paragraph 15.06.D. Such property insurance will be written on a special perils (all-risk) form, on a replacement cost basis, and provide coverage consistent with that required for the builder's risk insurance. The builder's risk insurance may terminate upon written confirmation of Owner's procurement of such property insurance.
- D. *Partial Occupancy or Use by Owner*: If Owner will occupy or use a portion or portions of the Work prior to Substantial Completion of all the Work, as provided in Paragraph 15.04, then Owner (directly, if it is the purchaser of the builder's risk policy, or through Contractor) will

provide advance notice of such occupancy or use to the builder's risk insurer, and obtain an endorsement consenting to the continuation of coverage prior to commencing such partial occupancy or use.

- E. *Insurance of Other Property; Additional Insurance:* If the express insurance provisions of the Contract do not require or address the insurance of a property item or interest, then the entity or individual owning such property item will be responsible for insuring it. If Contractor elects to obtain other special insurance to be included in or supplement the builder's risk or property insurance policies provided under this Paragraph 6.04, it may do so at Contractor's expense.

6.05 *Property Losses; Subrogation*

- A. The builder's risk insurance policy purchased and maintained in accordance with Paragraph 6.04 (or an installation floater policy if authorized by the Supplementary Conditions), will contain provisions to the effect that in the event of payment of any loss or damage the insurer will have no rights of recovery against any insureds thereunder, or against Engineer or its consultants, or their officers, directors, members, partners, employees, agents, consultants, or subcontractors.
  - 1. Owner and Contractor waive all rights against each other and the respective officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, for all losses and damages caused by, arising out of, or resulting from any of the perils, risks, or causes of loss covered by such policies and any other property insurance applicable to the Work; and, in addition, waive all such rights against Engineer, its consultants, all individuals or entities identified in the Supplementary Conditions as builder's risk or installation floater insureds, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, under such policies for losses and damages so caused.
  - 2. None of the above waivers extends to the rights that any party making such waiver may have to the proceeds of insurance held by Owner or Contractor as trustee or fiduciary, or otherwise payable under any policy so issued.
- B. Any property insurance policy maintained by Owner covering any loss, damage, or consequential loss to Owner's existing structures, buildings, or facilities in which any part of the Work will occur, or to which any part of the Work will attach or adjoin; to adjacent structures, buildings, or facilities of Owner; or to part or all of the completed or substantially completed Work, during partial occupancy or use pursuant to Paragraph 15.04, after Substantial Completion pursuant to Paragraph 15.03, or after final payment pursuant to Paragraph 15.06, will contain provisions to the effect that in the event of payment of any loss or damage the insurer will have no rights of recovery against any insureds thereunder, or against Contractor, Subcontractors, or Engineer, or the officers, directors, members, partners, employees, agents, consultants, or subcontractors of each and any of them, and that the insured is allowed to waive the insurer's rights of subrogation in a written contract executed prior to the loss, damage, or consequential loss.
  - 1. Owner waives all rights against Contractor, Subcontractors, and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them, for all losses and damages caused by, arising out

of, or resulting from fire or any of the perils, risks, or causes of loss covered by such policies.

- C. The waivers in this Paragraph 6.05 include the waiver of rights due to business interruption, loss of use, or other consequential loss extending beyond direct physical loss or damage to Owner's property or the Work caused by, arising out of, or resulting from fire or other insured peril, risk, or cause of loss.
- D. Contractor shall be responsible for assuring that each Subcontract contains provisions whereby the Subcontractor waives all rights against Owner, Contractor, all individuals or entities identified in the Supplementary Conditions as insureds, the Engineer and its consultants, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, for all losses and damages caused by, arising out of, relating to, or resulting from fire or other peril, risk, or cause of loss covered by builder's risk insurance, installation floater, and any other property insurance applicable to the Work.

#### 6.06 *Receipt and Application of Property Insurance Proceeds*

- A. Any insured loss under the builder's risk and other policies of property insurance required by Paragraph 6.04 will be adjusted and settled with the named insured that purchased the policy. Such named insured shall act as fiduciary for the other insureds, and give notice to such other insureds that adjustment and settlement of a claim is in progress. Any other insured may state its position regarding a claim for insured loss in writing within 15 days after notice of such claim.
- B. Proceeds for such insured losses may be made payable by the insurer either jointly to multiple insureds, or to the named insured that purchased the policy in its own right and as fiduciary for other insureds, subject to the requirements of any applicable mortgage clause. A named insured receiving insurance proceeds under the builder's risk and other policies of insurance required by Paragraph 6.04 shall maintain such proceeds in a segregated account, and distribute such proceeds in accordance with such agreement as the parties in interest may reach, or as otherwise required under the dispute resolution provisions of this Contract or applicable Laws and Regulations.
- C. If no other special agreement is reached, Contractor shall repair or replace the damaged Work, using allocated insurance proceeds.

### **ARTICLE 7—CONTRACTOR'S RESPONSIBILITIES**

#### 7.01 *Contractor's Means and Methods of Construction*

- A. Contractor shall be solely responsible for the means, methods, techniques, sequences, and procedures of construction.
- B. If the Contract Documents note, or Contractor determines, that professional engineering or other design services are needed to carry out Contractor's responsibilities for construction means, methods, techniques, sequences, and procedures, or for Site safety, then Contractor shall cause such services to be provided by a properly licensed design professional, at Contractor's expense. Such services are not Owner-delegated professional design services under this Contract, and neither Owner nor Engineer has any responsibility with respect to

(1) Contractor's determination of the need for such services, (2) the qualifications or licensing of the design professionals retained or employed by Contractor, (3) the performance of such services, or (4) any errors, omissions, or defects in such services.

7.02 *Supervision and Superintendence*

- A. Contractor shall supervise, inspect, and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents.
- B. At all times during the progress of the Work, Contractor shall assign a competent resident superintendent who will not be replaced without written notice to Owner and Engineer except under extraordinary circumstances.

7.03 *Labor; Working Hours*

- A. Contractor shall provide competent, suitably qualified personnel to survey and lay out the Work and perform construction as required by the Contract Documents. Contractor shall maintain good discipline and order at the Site.
- B. Contractor shall be fully responsible to Owner and Engineer for all acts and omissions of Contractor's employees; of Suppliers and Subcontractors, and their employees; and of any other individuals or entities performing or furnishing any of the Work, just as Contractor is responsible for Contractor's own acts and omissions.
- C. Except as otherwise required for the safety or protection of persons or the Work or property at the Site or adjacent thereto, and except as otherwise stated in the Contract Documents, all Work at the Site will be performed during regular working hours, Monday through Friday. Contractor will not perform Work on a Saturday, Sunday, or any legal holiday. Contractor may perform Work outside regular working hours or on Saturdays, Sundays, or legal holidays only with Owner's written consent, which will not be unreasonably withheld.

7.04 *Services, Materials, and Equipment*

- A. Unless otherwise specified in the Contract Documents, Contractor shall provide and assume full responsibility for all services, materials, equipment, labor, transportation, construction equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water, sanitary facilities, temporary facilities, and all other facilities and incidentals necessary for the performance, testing, start up, and completion of the Work, whether or not such items are specifically called for in the Contract Documents.
- B. All materials and equipment incorporated into the Work must be new and of good quality, except as otherwise provided in the Contract Documents. All special warranties and guarantees required by the Specifications will expressly run to the benefit of Owner. If required by Engineer, Contractor shall furnish satisfactory evidence (including reports of required tests) as to the source, kind, and quality of materials and equipment.
- C. All materials and equipment must be stored, applied, installed, connected, erected, protected, used, cleaned, and conditioned in accordance with instructions of the applicable Supplier, except as otherwise may be provided in the Contract Documents.

7.05 "Or Equals"

- A. *Contractor's Request; Governing Criteria:* Whenever an item of equipment or material is specified or described in the Contract Documents by using the names of one or more proprietary items or specific Suppliers, the Contract Price has been based upon Contractor furnishing such item as specified. The specification or description of such an item is intended to establish the type, function, appearance, and quality required. Unless the specification or description contains or is followed by words reading that no like, equivalent, or "or equal" item is permitted, Contractor may request that Engineer authorize the use of other items of equipment or material, or items from other proposed Suppliers, under the circumstances described below.
1. If Engineer in its sole discretion determines that an item of equipment or material proposed by Contractor is functionally equal to that named and sufficiently similar so that no change in related Work will be required, Engineer will deem it an "or equal" item. For the purposes of this paragraph, a proposed item of equipment or material will be considered functionally equal to an item so named if:
    - a. in the exercise of reasonable judgment Engineer determines that the proposed item:
      - 1) is at least equal in materials of construction, quality, durability, appearance, strength, and design characteristics;
      - 2) will reliably perform at least equally well the function and achieve the results imposed by the design concept of the completed Project as a functioning whole;
      - 3) has a proven record of performance and availability of responsive service; and
      - 4) is not objectionable to Owner.
    - b. Contractor certifies that, if the proposed item is approved and incorporated into the Work:
      - 1) there will be no increase in cost to the Owner or increase in Contract Times; and
      - 2) the item will conform substantially to the detailed requirements of the item named in the Contract Documents.
- B. *Contractor's Expense:* Contractor shall provide all data in support of any proposed "or equal" item at Contractor's expense.
- C. *Engineer's Evaluation and Determination:* Engineer will be allowed a reasonable time to evaluate each "or-equal" request. Engineer may require Contractor to furnish additional data about the proposed "or-equal" item. Engineer will be the sole judge of acceptability. No "or-equal" item will be ordered, furnished, installed, or utilized until Engineer's review is complete and Engineer determines that the proposed item is an "or-equal," which will be evidenced by an approved Shop Drawing or other written communication. Engineer will advise Contractor in writing of any negative determination.
- D. *Effect of Engineer's Determination:* Neither approval nor denial of an "or-equal" request will result in any change in Contract Price. The Engineer's denial of an "or-equal" request will be final and binding, and may not be reversed through an appeal under any provision of the Contract.

- E. *Treatment as a Substitution Request:* If Engineer determines that an item of equipment or material proposed by Contractor does not qualify as an "or-equal" item, Contractor may request that Engineer consider the item a proposed substitute pursuant to Paragraph 7.06.

#### 7.06 *Substitutes*

- A. *Contractor's Request; Governing Criteria:* Unless the specification or description of an item of equipment or material required to be furnished under the Contract Documents contains or is followed by words reading that no substitution is permitted, Contractor may request that Engineer authorize the use of other items of equipment or material under the circumstances described below. To the extent possible such requests must be made before commencement of related construction at the Site.
1. Contractor shall submit sufficient information as provided below to allow Engineer to determine if the item of material or equipment proposed is functionally equivalent to that named and an acceptable substitute therefor. Engineer will not accept requests for review of proposed substitute items of equipment or material from anyone other than Contractor.
  2. The requirements for review by Engineer will be as set forth in Paragraph 7.06.B, as supplemented by the Specifications, and as Engineer may decide is appropriate under the circumstances.
  3. Contractor shall make written application to Engineer for review of a proposed substitute item of equipment or material that Contractor seeks to furnish or use. The application:
    - a. will certify that the proposed substitute item will:
      - 1) perform adequately the functions and achieve the results called for by the general design;
      - 2) be similar in substance to the item specified; and
      - 3) be suited to the same use as the item specified.
    - b. will state:
      - 1) the extent, if any, to which the use of the proposed substitute item will necessitate a change in Contract Times;
      - 2) whether use of the proposed substitute item in the Work will require a change in any of the Contract Documents (or in the provisions of any other direct contract with Owner for other work on the Project) to adapt the design to the proposed substitute item; and
      - 3) whether incorporation or use of the proposed substitute item in connection with the Work is subject to payment of any license fee or royalty.
    - c. will identify:
      - 1) all variations of the proposed substitute item from the item specified; and
      - 2) available engineering, sales, maintenance, repair, and replacement services.

- d. will contain an itemized estimate of all costs or credits that will result directly or indirectly from use of such substitute item, including but not limited to changes in Contract Price, shared savings, costs of redesign, and claims of other contractors affected by any resulting change.
- B. *Engineer's Evaluation and Determination:* Engineer will be allowed a reasonable time to evaluate each substitute request, and to obtain comments and direction from Owner. Engineer may require Contractor to furnish additional data about the proposed substitute item. Engineer will be the sole judge of acceptability. No substitute will be ordered, furnished, installed, or utilized until Engineer's review is complete and Engineer determines that the proposed item is an acceptable substitute. Engineer's determination will be evidenced by a Field Order or a proposed Change Order accounting for the substitution itself and all related impacts, including changes in Contract Price or Contract Times. Engineer will advise Contractor in writing of any negative determination.
- C. *Special Guarantee:* Owner may require Contractor to furnish at Contractor's expense a special performance guarantee or other surety with respect to any substitute.
- D. *Reimbursement of Engineer's Cost:* Engineer will record Engineer's costs in evaluating a substitute proposed or submitted by Contractor. Whether or not Engineer approves a substitute so proposed or submitted by Contractor, Contractor shall reimburse Owner for the reasonable charges of Engineer for evaluating each such proposed substitute. Contractor shall also reimburse Owner for the reasonable charges of Engineer for making changes in the Contract Documents (or in the provisions of any other direct contract with Owner) resulting from the acceptance of each proposed substitute.
- E. *Contractor's Expense:* Contractor shall provide all data in support of any proposed substitute at Contractor's expense.
- F. *Effect of Engineer's Determination:* If Engineer approves the substitution request, Contractor shall execute the proposed Change Order and proceed with the substitution. The Engineer's denial of a substitution request will be final and binding, and may not be reversed through an appeal under any provision of the Contract. Contractor may challenge the scope of reimbursement costs imposed under Paragraph 7.06.D, by timely submittal of a Change Proposal.

#### 7.07 *Concerning Subcontractors and Suppliers*

- A. Contractor may retain Subcontractors and Suppliers for the performance of parts of the Work. Such Subcontractors and Suppliers must be acceptable to Owner. The Contractor's retention of a Subcontractor or Supplier for the performance of parts of the Work will not relieve Contractor's obligation to Owner to perform and complete the Work in accordance with the Contract Documents.
- B. Contractor shall retain specific Subcontractors and Suppliers for the performance of designated parts of the Work if required by the Contract to do so.
- C. Subsequent to the submittal of Contractor's Bid or final negotiation of the terms of the Contract, Owner may not require Contractor to retain any Subcontractor or Supplier to furnish or perform any of the Work against which Contractor has reasonable objection.



- D. Prior to entry into any binding subcontract or purchase order, Contractor shall submit to Owner the identity of the proposed Subcontractor or Supplier (unless Owner has already deemed such proposed Subcontractor or Supplier acceptable during the bidding process or otherwise). Such proposed Subcontractor or Supplier shall be deemed acceptable to Owner unless Owner raises a substantive, reasonable objection within 5 days.
- E. Owner may require the replacement of any Subcontractor or Supplier. Owner also may require Contractor to retain specific replacements; provided, however, that Owner may not require a replacement to which Contractor has a reasonable objection. If Contractor has submitted the identity of certain Subcontractors or Suppliers for acceptance by Owner, and Owner has accepted it (either in writing or by failing to make written objection thereto), then Owner may subsequently revoke the acceptance of any such Subcontractor or Supplier so identified solely on the basis of substantive, reasonable objection after due investigation. Contractor shall submit an acceptable replacement for the rejected Subcontractor or Supplier.
- F. If Owner requires the replacement of any Subcontractor or Supplier retained by Contractor to perform any part of the Work, then Contractor shall be entitled to an adjustment in Contract Price or Contract Times, with respect to the replacement; and Contractor shall initiate a Change Proposal for such adjustment within 30 days of Owner's requirement of replacement.
- G. No acceptance by Owner of any such Subcontractor or Supplier, whether initially or as a replacement, will constitute a waiver of the right of Owner to the completion of the Work in accordance with the Contract Documents.
- H. On a monthly basis, Contractor shall submit to Engineer a complete list of all Subcontractors and Suppliers having a direct contract with Contractor, and of all other Subcontractors and Suppliers known to Contractor at the time of submittal.
- I. Contractor shall be solely responsible for scheduling and coordinating the work of Subcontractors and Suppliers.
- J. The divisions and sections of the Specifications and the identifications of any Drawings do not control Contractor in dividing the Work among Subcontractors or Suppliers, or in delineating the Work to be performed by any specific trade.
- K. All Work performed for Contractor by a Subcontractor or Supplier must be pursuant to an appropriate contractual agreement that specifically binds the Subcontractor or Supplier to the applicable terms and conditions of the Contract for the benefit of Owner and Engineer.
- L. Owner may furnish to any Subcontractor or Supplier, to the extent practicable, information about amounts paid to Contractor for Work performed for Contractor by the Subcontractor or Supplier.
- M. Contractor shall restrict all Subcontractors and Suppliers from communicating with Engineer or Owner, except through Contractor or in case of an emergency, or as otherwise expressly allowed in this Contract.

#### 7.08 *Patent Fees and Royalties*

- A. Contractor shall pay all license fees and royalties and assume all costs incident to the use in the performance of the Work or the incorporation in the Work of any invention, design, process, product, or device which is the subject of patent rights or copyrights held by others. If an invention, design, process, product, or device is specified in the Contract Documents for use in the performance of the Work and if, to the actual knowledge of Owner or Engineer, its use is subject to patent rights or copyrights calling for the payment of any license fee or royalty to others, the existence of such rights will be disclosed in the Contract Documents.
- B. To the fullest extent permitted by Laws and Regulations, Owner shall indemnify and hold harmless Contractor, and its officers, directors, members, partners, employees, agents, consultants, and subcontractors, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court or arbitration or other dispute resolution costs) arising out of or relating to any infringement of patent rights or copyrights incident to the use in the performance of the Work or resulting from the incorporation in the Work of any invention, design, process, product, or device specified in the Contract Documents, but not identified as being subject to payment of any license fee or royalty to others required by patent rights or copyrights.
- C. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any infringement of patent rights or copyrights incident to the use in the performance of the Work or resulting from the incorporation in the Work of any invention, design, process, product, or device not specified in the Contract Documents.

#### 7.09 *Permits*

- A. Unless otherwise provided in the Contract Documents, Contractor shall obtain and pay for all construction permits, licenses, and certificates of occupancy. Owner shall assist Contractor, when necessary, in obtaining such permits and licenses. Contractor shall pay all governmental charges and inspection fees necessary for the prosecution of the Work which are applicable at the time of the submission of Contractor's Bid (or when Contractor became bound under a negotiated contract). Owner shall pay all charges of utility owners for connections for providing permanent service to the Work.

#### 7.10 *Taxes*

- A. Contractor shall pay all sales, consumer, use, and other similar taxes required to be paid by Contractor in accordance with the Laws and Regulations of the place of the Project which are applicable during the performance of the Work.

### 7.11 *Laws and Regulations*

- A. Contractor shall give all notices required by and shall comply with all Laws and Regulations applicable to the performance of the Work. Neither Owner nor Engineer shall be responsible for monitoring Contractor's compliance with any Laws or Regulations.
- B. If Contractor performs any Work or takes any other action knowing or having reason to know that it is contrary to Laws or Regulations, Contractor shall bear all resulting costs and losses, and shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such Work or other action. It is not Contractor's responsibility to make certain that the Work described in the Contract Documents is in accordance with Laws and Regulations, but this does not relieve Contractor of its obligations under Paragraph 3.03.
- C. Owner or Contractor may give written notice to the other party of any changes after the submission of Contractor's Bid (or after the date when Contractor became bound under a negotiated contract) in Laws or Regulations having an effect on the cost or time of performance of the Work, including but not limited to changes in Laws or Regulations having an effect on procuring permits and on sales, use, value-added, consumption, and other similar taxes. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in Contract Price or Contract Times resulting from such changes, then within 30 days of such written notice Contractor may submit a Change Proposal, or Owner may initiate a Claim.

### 7.12 *Record Documents*

- A. Contractor shall maintain in a safe place at the Site one printed record copy of all Drawings, Specifications, Addenda, Change Orders, Work Change Directives, Field Orders, written interpretations and clarifications, and approved Shop Drawings. Contractor shall keep such record documents in good order and annotate them to show changes made during construction. These record documents, together with all approved Samples, will be available to Engineer for reference. Upon completion of the Work, Contractor shall deliver these record documents to Engineer.

### 7.13 *Safety and Protection*

- A. Contractor shall be solely responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Work. Such responsibility does not relieve Subcontractors of their responsibility for the safety of persons or property in the performance of their work, nor for compliance with applicable safety Laws and Regulations.
- B. Contractor shall designate a qualified and experienced safety representative whose duties and responsibilities are the prevention of Work-related accidents and the maintenance and supervision of safety precautions and programs.

- C. Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury, or loss to:
  - 1. all persons on the Site or who may be affected by the Work;
  - 2. all the Work and materials and equipment to be incorporated therein, whether in storage on or off the Site; and
  - 3. other property at the Site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, other work in progress, utilities, and Underground Facilities not designated for removal, relocation, or replacement in the course of construction.
- D. All damage, injury, or loss to any property referred to in Paragraph 7.13.C.2 or 7.13.C.3 caused, directly or indirectly, in whole or in part, by Contractor, any Subcontractor, Supplier, or any other individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, shall be remedied by Contractor at its expense (except damage or loss attributable to the fault of Drawings or Specifications or to the acts or omissions of Owner or Engineer or anyone employed by any of them, or anyone for whose acts any of them may be liable, and not attributable, directly or indirectly, in whole or in part, to the fault or negligence of Contractor or any Subcontractor, Supplier, or other individual or entity directly or indirectly employed by any of them).
- E. Contractor shall comply with all applicable Laws and Regulations relating to the safety of persons or property, or to the protection of persons or property from damage, injury, or loss; and shall erect and maintain all necessary safeguards for such safety and protection.
- F. Contractor shall notify Owner; the owners of adjacent property; the owners of Underground Facilities and other utilities (if the identity of such owners is known to Contractor); and other contractors and utility owners performing work at or adjacent to the Site, in writing, when Contractor knows that prosecution of the Work may affect them, and shall cooperate with them in the protection, removal, relocation, and replacement of their property or work in progress.
- G. Contractor shall comply with the applicable requirements of Owner's safety programs, if any. Any Owner's safety programs that are applicable to the Work are identified or included in the Supplementary Conditions or Specifications.
- H. Contractor shall inform Owner and Engineer of the specific requirements of Contractor's safety program with which Owner's and Engineer's employees and representatives must comply while at the Site.
- I. Contractor's duties and responsibilities for safety and protection will continue until all the Work is completed, Engineer has issued a written notice to Owner and Contractor in accordance with Paragraph 15.06.C that the Work is acceptable, and Contractor has left the Site (except as otherwise expressly provided in connection with Substantial Completion).
- J. Contractor's duties and responsibilities for safety and protection will resume whenever Contractor or any Subcontractor or Supplier returns to the Site to fulfill warranty or correction obligations, or to conduct other tasks arising from the Contract Documents.

#### 7.14 *Hazard Communication Programs*

- A. Contractor shall be responsible for coordinating any exchange of safety data sheets (formerly known as material safety data sheets) or other hazard communication information required to be made available to or exchanged between or among employers at the Site in accordance with Laws or Regulations.

#### 7.15 *Emergencies*

- A. In emergencies affecting the safety or protection of persons or the Work or property at the Site or adjacent thereto, Contractor is obligated to act to prevent damage, injury, or loss. Contractor shall give Engineer prompt written notice if Contractor believes that any significant changes in the Work or variations from the Contract Documents have been caused by an emergency, or are required as a result of Contractor's response to an emergency. If Engineer determines that a change in the Contract Documents is required because of an emergency or Contractor's response, a Work Change Directive or Change Order will be issued.

#### 7.16 *Submittals*

##### A. *Shop Drawing and Sample Requirements*

1. Before submitting a Shop Drawing or Sample, Contractor shall:
  - a. review and coordinate the Shop Drawing or Sample with other Shop Drawings and Samples and with the requirements of the Work and the Contract Documents;
  - b. determine and verify:
    - 1) all field measurements, quantities, dimensions, specified performance and design criteria, installation requirements, materials, catalog numbers, and similar information with respect to the Submittal;
    - 2) the suitability of all materials and equipment offered with respect to the indicated application, fabrication, shipping, handling, storage, assembly, and installation pertaining to the performance of the Work; and
    - 3) all information relative to Contractor's responsibilities for means, methods, techniques, sequences, and procedures of construction, and safety precautions and programs incident thereto;
  - c. confirm that the Submittal is complete with respect to all related data included in the Submittal.
2. Each Shop Drawing or Sample must bear a stamp or specific written certification that Contractor has satisfied Contractor's obligations under the Contract Documents with respect to Contractor's review of that Submittal, and that Contractor approves the Submittal.
3. With each Shop Drawing or Sample, Contractor shall give Engineer specific written notice of any variations that the Submittal may have from the requirements of the Contract Documents. This notice must be set forth in a written communication separate from the Submittal; and, in addition, in the case of a Shop Drawing by a specific notation made on the Shop Drawing itself.

- B. *Submittal Procedures for Shop Drawings and Samples:* Contractor shall label and submit Shop Drawings and Samples to Engineer for review and approval in accordance with the accepted Schedule of Submittals.
1. *Shop Drawings*
    - a. Contractor shall submit the number of copies required in the Specifications.
    - b. Data shown on the Shop Drawings must be complete with respect to quantities, dimensions, specified performance and design criteria, materials, and similar data to show Engineer the services, materials, and equipment Contractor proposes to provide, and to enable Engineer to review the information for the limited purposes required by Paragraph 7.16.C.
  2. *Samples*
    - a. Contractor shall submit the number of Samples required in the Specifications.
    - b. Contractor shall clearly identify each Sample as to material, Supplier, pertinent data such as catalog numbers, the use for which intended and other data as Engineer may require to enable Engineer to review the Submittal for the limited purposes required by Paragraph 7.16.C.
  3. Where a Shop Drawing or Sample is required by the Contract Documents or the Schedule of Submittals, any related Work performed prior to Engineer's review and approval of the pertinent submittal will be at the sole expense and responsibility of Contractor.
- C. *Engineer's Review of Shop Drawings and Samples*
1. Engineer will provide timely review of Shop Drawings and Samples in accordance with the accepted Schedule of Submittals. Engineer's review and approval will be only to determine if the items covered by the Submittals will, after installation or incorporation in the Work, comply with the requirements of the Contract Documents, and be compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents.
  2. Engineer's review and approval will not extend to means, methods, techniques, sequences, or procedures of construction, or to safety precautions or programs incident thereto.
  3. Engineer's review and approval of a separate item as such will not indicate approval of the assembly in which the item functions.
  4. Engineer's review and approval of a Shop Drawing or Sample will not relieve Contractor from responsibility for any variation from the requirements of the Contract Documents unless Contractor has complied with the requirements of Paragraph 7.16.A.3 and Engineer has given written approval of each such variation by specific written notation thereof incorporated in or accompanying the Shop Drawing or Sample. Engineer will document any such approved variation from the requirements of the Contract Documents in a Field Order or other appropriate Contract modification.
  5. Engineer's review and approval of a Shop Drawing or Sample will not relieve Contractor from responsibility for complying with the requirements of Paragraphs 7.16.A and B.

6. Engineer's review and approval of a Shop Drawing or Sample, or of a variation from the requirements of the Contract Documents, will not, under any circumstances, change the Contract Times or Contract Price, unless such changes are included in a Change Order.
  7. Neither Engineer's receipt, review, acceptance, or approval of a Shop Drawing or Sample will result in such item becoming a Contract Document.
  8. Contractor shall perform the Work in compliance with the requirements and commitments set forth in approved Shop Drawings and Samples, subject to the provisions of Paragraph 7.16.C.4.
- D. *Resubmittal Procedures for Shop Drawings and Samples*
1. Contractor shall make corrections required by Engineer and shall return the required number of corrected copies of Shop Drawings and submit, as required, new Samples for review and approval. Contractor shall direct specific attention in writing to revisions other than the corrections called for by Engineer on previous Submittals.
  2. Contractor shall furnish required Shop Drawing and Sample submittals with sufficient information and accuracy to obtain required approval of an item with no more than two resubmittals. Engineer will record Engineer's time for reviewing a third or subsequent resubmittal of a Shop Drawing or Sample, and Contractor shall be responsible for Engineer's charges to Owner for such time. Owner may impose a set-off against payments due Contractor to secure reimbursement for such charges.
  3. If Contractor requests a change of a previously approved Shop Drawing or Sample, Contractor shall be responsible for Engineer's charges to Owner for its review time, and Owner may impose a set-off against payments due Contractor to secure reimbursement for such charges, unless the need for such change is beyond the control of Contractor.
- E. *Submittals Other than Shop Drawings, Samples, and Owner-Delegated Designs*
1. The following provisions apply to all Submittals other than Shop Drawings, Samples, and Owner-delegated designs:
    - a. Contractor shall submit all such Submittals to the Engineer in accordance with the Schedule of Submittals and pursuant to the applicable terms of the Contract Documents.
    - b. Engineer will provide timely review of all such Submittals in accordance with the Schedule of Submittals and return such Submittals with a notation of either Accepted or Not Accepted. Any such Submittal that is not returned within the time established in the Schedule of Submittals will be deemed accepted.
    - c. Engineer's review will be only to determine if the Submittal is acceptable under the requirements of the Contract Documents as to general form and content of the Submittal.
    - d. If any such Submittal is not accepted, Contractor shall confer with Engineer regarding the reason for the non-acceptance, and resubmit an acceptable document.
  2. Procedures for the submittal and acceptance of the Progress Schedule, the Schedule of Submittals, and the Schedule of Values are set forth in Paragraphs 2.03, 2.04, and 2.05.

- F. Owner-delegated Designs: Submittals pursuant to Owner-delegated designs are governed by the provisions of Paragraph 7.19.

7.17 *Contractor's General Warranty and Guarantee*

- A. Contractor warrants and guarantees to Owner that all Work will be in accordance with the Contract Documents and will not be defective. Engineer is entitled to rely on Contractor's warranty and guarantee.
- B. Owner's rights under this warranty and guarantee are in addition to, and are not limited by, Owner's rights under the correction period provisions of Paragraph 15.08. The time in which Owner may enforce its warranty and guarantee rights under this Paragraph 7.17 is limited only by applicable Laws and Regulations restricting actions to enforce such rights; provided, however, that after the end of the correction period under Paragraph 15.08:
  - 1. Owner shall give Contractor written notice of any defective Work within 60 days of the discovery that such Work is defective; and
  - 2. Such notice will be deemed the start of an event giving rise to a Claim under Paragraph 12.01.B, such that any related Claim must be brought within 30 days of the notice.
- C. Contractor's warranty and guarantee hereunder excludes defects or damage caused by:
  - 1. abuse, or improper modification, maintenance, or operation, by persons other than Contractor, Subcontractors, Suppliers, or any other individual or entity for whom Contractor is responsible; or
  - 2. normal wear and tear under normal usage.
- D. Contractor's obligation to perform and complete the Work in accordance with the Contract Documents is absolute. None of the following will constitute an acceptance of Work that is not in accordance with the Contract Documents, a release of Contractor's obligation to perform the Work in accordance with the Contract Documents, or a release of Owner's warranty and guarantee rights under this Paragraph 7.17:
  - 1. Observations by Engineer;
  - 2. Recommendation by Engineer or payment by Owner of any progress or final payment;
  - 3. The issuance of a certificate of Substantial Completion by Engineer or any payment related thereto by Owner;
  - 4. Use or occupancy of the Work or any part thereof by Owner;
  - 5. Any review and approval of a Shop Drawing or Sample submittal;
  - 6. The issuance of a notice of acceptability by Engineer;
  - 7. The end of the correction period established in Paragraph 15.08;
  - 8. Any inspection, test, or approval by others; or
  - 9. Any correction of defective Work by Owner.



- E. If the Contract requires the Contractor to accept the assignment of a contract entered into by Owner, then the specific warranties, guarantees, and correction obligations contained in the assigned contract will govern with respect to Contractor's performance obligations to Owner for the Work described in the assigned contract.

#### 7.18 *Indemnification*

- A. To the fullest extent permitted by Laws and Regulations, and in addition to any other obligations of Contractor under the Contract or otherwise, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them, from losses, damages, costs, and judgments (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court or arbitration or other dispute resolution costs) arising from third-party claims or actions relating to or resulting from the performance or furnishing of the Work, provided that any such claim, action, loss, cost, judgment or damage is attributable to bodily injury, sickness, disease, or death, or to damage to or destruction of tangible property (other than the Work itself), including the loss of use resulting therefrom, but only to the extent caused by any negligent act or omission of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable.
- B. In any and all claims against Owner or Engineer, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, by any employee (or the survivor or personal representative of such employee) of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, the indemnification obligation under Paragraph 7.18.A will not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for Contractor or any such Subcontractor, Supplier, or other individual or entity under workers' compensation acts, disability benefit acts, or other employee benefit acts.

#### 7.19 *Delegation of Professional Design Services*

- A. Owner may require Contractor to provide professional design services for a portion of the Work by express delegation in the Contract Documents. Such delegation will specify the performance and design criteria that such services must satisfy, and the Submittals that Contractor must furnish to Engineer with respect to the Owner-delegated design.
- B. Contractor shall cause such Owner-delegated professional design services to be provided pursuant to the professional standard of care by a properly licensed design professional, whose signature and seal must appear on all drawings, calculations, specifications, certifications, and Submittals prepared by such design professional. Such design professional must issue all certifications of design required by Laws and Regulations.
- C. If a Shop Drawing or other Submittal related to the Owner-delegated design is prepared by Contractor, a Subcontractor, or others for submittal to Engineer, then such Shop Drawing or other Submittal must bear the written approval of Contractor's design professional when submitted by Contractor to Engineer.

- D. Owner and Engineer shall be entitled to rely upon the adequacy, accuracy, and completeness of the services, certifications, and approvals performed or provided by the design professionals retained or employed by Contractor under an Owner-delegated design, subject to the professional standard of care and the performance and design criteria stated in the Contract Documents.
- E. Pursuant to this Paragraph 7.19, Engineer's review, approval, and other determinations regarding design drawings, calculations, specifications, certifications, and other Submittals furnished by Contractor pursuant to an Owner-delegated design will be only for the following limited purposes:
  - 1. Checking for conformance with the requirements of this Paragraph 7.19;
  - 2. Confirming that Contractor (through its design professionals) has used the performance and design criteria specified in the Contract Documents; and
  - 3. Establishing that the design furnished by Contractor is consistent with the design concept expressed in the Contract Documents.
- F. Contractor shall not be responsible for the adequacy of performance or design criteria specified by Owner or Engineer.
- G. Contractor is not required to provide professional services in violation of applicable Laws and Regulations.

## **ARTICLE 8—OTHER WORK AT THE SITE**

### 8.01 *Other Work*

- A. In addition to and apart from the Work under the Contract Documents, the Owner may perform other work at or adjacent to the Site. Such other work may be performed by Owner's employees, or through contracts between the Owner and third parties. Owner may also arrange to have third-party utility owners perform work on their utilities and facilities at or adjacent to the Site.
- B. If Owner performs other work at or adjacent to the Site with Owner's employees, or through contracts for such other work, then Owner shall give Contractor written notice thereof prior to starting any such other work. If Owner has advance information regarding the start of any third-party utility work that Owner has arranged to take place at or adjacent to the Site, Owner shall provide such information to Contractor.
- C. Contractor shall afford proper and safe access to the Site to each contractor that performs such other work, each utility owner performing other work, and Owner, if Owner is performing other work with Owner's employees, and provide a reasonable opportunity for the introduction and storage of materials and equipment and the execution of such other work.
- D. Contractor shall do all cutting, fitting, and patching of the Work that may be required to properly connect or otherwise make its several parts come together and properly integrate with such other work. Contractor shall not endanger any work of others by cutting, excavating, or otherwise altering such work; provided, however, that Contractor may cut or

alter others' work with the written consent of Engineer and the others whose work will be affected.

- E. If the proper execution or results of any part of Contractor's Work depends upon work performed by others, Contractor shall inspect such other work and promptly report to Engineer in writing any delays, defects, or deficiencies in such other work that render it unavailable or unsuitable for the proper execution and results of Contractor's Work. Contractor's failure to so report will constitute an acceptance of such other work as fit and proper for integration with Contractor's Work except for latent defects and deficiencies in such other work.
- F. The provisions of this article are not applicable to work that is performed by third-party utilities or other third-party entities without a contract with Owner, or that is performed without having been arranged by Owner. If such work occurs, then any related delay, disruption, or interference incurred by Contractor is governed by the provisions of Paragraph 4.05.C.3.

#### 8.02 *Coordination*

- A. If Owner intends to contract with others for the performance of other work at or adjacent to the Site, to perform other work at or adjacent to the Site with Owner's employees, or to arrange to have utility owners perform work at or adjacent to the Site, the following will be set forth in the Supplementary Conditions or provided to Contractor prior to the start of any such other work:
  - 1. The identity of the individual or entity that will have authority and responsibility for coordination of the activities among the various contractors;
  - 2. An itemization of the specific matters to be covered by such authority and responsibility; and
  - 3. The extent of such authority and responsibilities.
- B. Unless otherwise provided in the Supplementary Conditions, Owner shall have sole authority and responsibility for such coordination.

#### 8.03 *Legal Relationships*

- A. If, in the course of performing other work for Owner at or adjacent to the Site, the Owner's employees, any other contractor working for Owner, or any utility owner that Owner has arranged to perform work, causes damage to the Work or to the property of Contractor or its Subcontractors, or delays, disrupts, interferes with, or increases the scope or cost of the performance of the Work, through actions or inaction, then Contractor shall be entitled to an equitable adjustment in the Contract Price or the Contract Times. Contractor must submit any Change Proposal seeking an equitable adjustment in the Contract Price or the Contract Times under this paragraph within 30 days of the damaging, delaying, disrupting, or interfering event. The entitlement to, and extent of, any such equitable adjustment will take into account information (if any) regarding such other work that was provided to Contractor in the Contract Documents prior to the submittal of the Bid or the final negotiation of the terms of the Contract, and any remedies available to Contractor under Laws or Regulations concerning utility action or inaction. When applicable, any such equitable adjustment in Contract Price

will be conditioned on Contractor assigning to Owner all Contractor's rights against such other contractor or utility owner with respect to the damage, delay, disruption, or interference that is the subject of the adjustment. Contractor's entitlement to an adjustment of the Contract Times or Contract Price is subject to the provisions of Paragraphs 4.05.D and 4.05.E.

- B. Contractor shall take reasonable and customary measures to avoid damaging, delaying, disrupting, or interfering with the work of Owner, any other contractor, or any utility owner performing other work at or adjacent to the Site.
  - 1. If Contractor fails to take such measures and as a result damages, delays, disrupts, or interferes with the work of any such other contractor or utility owner, then Owner may impose a set-off against payments due Contractor, and assign to such other contractor or utility owner the Owner's contractual rights against Contractor with respect to the breach of the obligations set forth in this Paragraph 8.03.B.
  - 2. When Owner is performing other work at or adjacent to the Site with Owner's employees, Contractor shall be liable to Owner for damage to such other work, and for the reasonable direct delay, disruption, and interference costs incurred by Owner as a result of Contractor's failure to take reasonable and customary measures with respect to Owner's other work. In response to such damage, delay, disruption, or interference, Owner may impose a set-off against payments due Contractor.
- C. If Contractor damages, delays, disrupts, or interferes with the work of any other contractor, or any utility owner performing other work at or adjacent to the Site, through Contractor's failure to take reasonable and customary measures to avoid such impacts, or if any claim arising out of Contractor's actions, inactions, or negligence in performance of the Work at or adjacent to the Site is made by any such other contractor or utility owner against Contractor, Owner, or Engineer, then Contractor shall (1) promptly attempt to settle the claim as to all parties through negotiations with such other contractor or utility owner, or otherwise resolve the claim by arbitration or other dispute resolution proceeding or at law, and (2) indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them from and against any such claims, and against all costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such damage, delay, disruption, or interference.

## **ARTICLE 9—OWNER'S RESPONSIBILITIES**

### *9.01 Communications to Contractor*

- A. Except as otherwise provided in these General Conditions, Owner shall issue all communications to Contractor through Engineer.

### *9.02 Replacement of Engineer*

- A. Owner may at its discretion appoint an engineer to replace Engineer, provided Contractor makes no reasonable objection to the replacement engineer. The replacement engineer's status under the Contract Documents will be that of the former Engineer.

- 9.03 *Furnish Data*
- A. Owner shall promptly furnish the data required of Owner under the Contract Documents.
- 9.04 *Pay When Due*
- A. Owner shall make payments to Contractor when they are due as provided in the Agreement.
- 9.05 *Lands and Easements; Reports, Tests, and Drawings*
- A. Owner's duties with respect to providing lands and easements are set forth in Paragraph 5.01.
- B. Owner's duties with respect to providing engineering surveys to establish reference points are set forth in Paragraph 4.03.
- C. Article 5 refers to Owner's identifying and making available to Contractor copies of reports of explorations and tests of conditions at the Site, and drawings of physical conditions relating to existing surface or subsurface structures at the Site.
- 9.06 *Insurance*
- A. Owner's responsibilities, if any, with respect to purchasing and maintaining liability and property insurance are set forth in Article 6.
- 9.07 *Change Orders*
- A. Owner's responsibilities with respect to Change Orders are set forth in Article 11.
- 9.08 *Inspections, Tests, and Approvals*
- A. Owner's responsibility with respect to certain inspections, tests, and approvals is set forth in Paragraph 14.02.B.
- 9.09 *Limitations on Owner's Responsibilities*
- A. The Owner shall not supervise, direct, or have control or authority over, nor be responsible for, Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Owner will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.
- 9.10 *Undisclosed Hazardous Environmental Condition*
- A. Owner's responsibility in respect to an undisclosed Hazardous Environmental Condition is set forth in Paragraph 5.06.
- 9.11 *Evidence of Financial Arrangements*
- A. Upon request of Contractor, Owner shall furnish Contractor reasonable evidence that financial arrangements have been made to satisfy Owner's obligations under the Contract (including obligations under proposed changes in the Work).
- 9.12 *Safety Programs*
- A. While at the Site, Owner's employees and representatives shall comply with the specific applicable requirements of Contractor's safety programs of which Owner has been informed.

- B. Owner shall furnish copies of any applicable Owner safety programs to Contractor.

## **ARTICLE 10—ENGINEER'S STATUS DURING CONSTRUCTION**

### **10.01 *Owner's Representative***

- A. Engineer will be Owner's representative during the construction period. The duties and responsibilities and the limitations of authority of Engineer as Owner's representative during construction are set forth in the Contract.

### **10.02 *Visits to Site***

- A. Engineer will make visits to the Site at intervals appropriate to the various stages of construction as Engineer deems necessary in order to observe, as an experienced and qualified design professional, the progress that has been made and the quality of the various aspects of Contractor's executed Work. Based on information obtained during such visits and observations, Engineer, for the benefit of Owner, will determine, in general, if the Work is proceeding in accordance with the Contract Documents. Engineer will not be required to make exhaustive or continuous inspections on the Site to check the quality or quantity of the Work. Engineer's efforts will be directed toward providing for Owner a greater degree of confidence that the completed Work will conform generally to the Contract Documents. On the basis of such visits and observations, Engineer will keep Owner informed of the progress of the Work and will endeavor to guard Owner against defective Work.
- B. Engineer's visits and observations are subject to all the limitations on Engineer's authority and responsibility set forth in Paragraph 10.07. Particularly, but without limitation, during or as a result of Engineer's visits or observations of Contractor's Work, Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work.

### **10.03 *Resident Project Representative***

- A. If Owner and Engineer have agreed that Engineer will furnish a Resident Project Representative to represent Engineer at the Site and assist Engineer in observing the progress and quality of the Work, then the authority and responsibilities of any such Resident Project Representative will be as provided in the Supplementary Conditions, and limitations on the responsibilities thereof will be as provided in the Supplementary Conditions and in Paragraph 10.07.
- B. If Owner designates an individual or entity who is not Engineer's consultant, agent, or employee to represent Owner at the Site, then the responsibilities and authority of such individual or entity will be as provided in the Supplementary Conditions.

### **10.04 *Engineer's Authority***

- A. Engineer has the authority to reject Work in accordance with Article 14.
- B. Engineer's authority as to Submittals is set forth in Paragraph 7.16.

- C. Engineer's authority as to design drawings, calculations, specifications, certifications and other Submittals from Contractor in response to Owner's delegation (if any) to Contractor of professional design services, is set forth in Paragraph 7.19.
  - D. Engineer's authority as to changes in the Work is set forth in Article 11.
  - E. Engineer's authority as to Applications for Payment is set forth in Article 15.
- 10.05 *Determinations for Unit Price Work*
- A. Engineer will determine the actual quantities and classifications of Unit Price Work performed by Contractor as set forth in Paragraph 13.03.
- 10.06 *Decisions on Requirements of Contract Documents and Acceptability of Work*
- A. Engineer will render decisions regarding the requirements of the Contract Documents, and judge the acceptability of the Work, pursuant to the specific procedures set forth herein for initial interpretations, Change Proposals, and acceptance of the Work. In rendering such decisions and judgments, Engineer will not show partiality to Owner or Contractor, and will not be liable to Owner, Contractor, or others in connection with any proceedings, interpretations, decisions, or judgments conducted or rendered in good faith.
- 10.07 *Limitations on Engineer's Authority and Responsibilities*
- A. Neither Engineer's authority or responsibility under this Article 10 or under any other provision of the Contract, nor any decision made by Engineer in good faith either to exercise or not exercise such authority or responsibility or the undertaking, exercise, or performance of any authority or responsibility by Engineer, will create, impose, or give rise to any duty in contract, tort, or otherwise owed by Engineer to Contractor, any Subcontractor, any Supplier, any other individual or entity, or to any surety for or employee or agent of any of them.
  - B. Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Engineer will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.
  - C. Engineer will not be responsible for the acts or omissions of Contractor or of any Subcontractor, any Supplier, or of any other individual or entity performing any of the Work.
  - D. Engineer's review of the final Application for Payment and accompanying documentation, and all maintenance and operating instructions, schedules, guarantees, bonds, certificates of inspection, tests and approvals, and other documentation required to be delivered by Contractor under Paragraph 15.06.A, will only be to determine generally that their content complies with the requirements of, and in the case of certificates of inspections, tests, and approvals, that the results certified indicate compliance with the Contract Documents.
  - E. The limitations upon authority and responsibility set forth in this Paragraph 10.07 also apply to the Resident Project Representative, if any.

10.08 *Compliance with Safety Program*

- A. While at the Site, Engineer's employees and representatives will comply with the specific applicable requirements of Owner's and Contractor's safety programs of which Engineer has been informed.

**ARTICLE 11—CHANGES TO THE CONTRACT**

11.01 *Amending and Supplementing the Contract*

- A. The Contract may be amended or supplemented by a Change Order, a Work Change Directive, or a Field Order.
- B. If an amendment or supplement to the Contract includes a change in the Contract Price or the Contract Times, such amendment or supplement must be set forth in a Change Order.
- C. All changes to the Contract that involve (1) the performance or acceptability of the Work, (2) the design (as set forth in the Drawings, Specifications, or otherwise), or (3) other engineering or technical matters, must be supported by Engineer's recommendation. Owner and Contractor may amend other terms and conditions of the Contract without the recommendation of the Engineer.

11.02 *Change Orders*

- A. Owner and Contractor shall execute appropriate Change Orders covering:
  - 1. Changes in Contract Price or Contract Times which are agreed to by the parties, including any undisputed sum or amount of time for Work actually performed in accordance with a Work Change Directive;
  - 2. Changes in Contract Price resulting from an Owner set-off, unless Contractor has duly contested such set-off;
  - 3. Changes in the Work which are: (a) ordered by Owner pursuant to Paragraph 11.05, (b) required because of Owner's acceptance of defective Work under Paragraph 14.04 or Owner's correction of defective Work under Paragraph 14.07, or (c) agreed to by the parties, subject to the need for Engineer's recommendation if the change in the Work involves the design (as set forth in the Drawings, Specifications, or otherwise) or other engineering or technical matters; and
  - 4. Changes that embody the substance of any final and binding results under: Paragraph 11.03.B, resolving the impact of a Work Change Directive; Paragraph 11.09, concerning Change Proposals; Article 12, Claims; Paragraph 13.02.D, final adjustments resulting from allowances; Paragraph 13.03.D, final adjustments relating to determination of quantities for Unit Price Work; and similar provisions.
- B. If Owner or Contractor refuses to execute a Change Order that is required to be executed under the terms of Paragraph 11.02.A, it will be deemed to be of full force and effect, as if fully executed.



### 11.03 *Work Change Directives*

- A. A Work Change Directive will not change the Contract Price or the Contract Times but is evidence that the parties expect that the modification ordered or documented by a Work Change Directive will be incorporated in a subsequently issued Change Order, following negotiations by the parties as to the Work Change Directive's effect, if any, on the Contract Price and Contract Times; or, if negotiations are unsuccessful, by a determination under the terms of the Contract Documents governing adjustments, expressly including Paragraph 11.07 regarding change of Contract Price.
- B. If Owner has issued a Work Change Directive and:
  - 1. Contractor believes that an adjustment in Contract Times or Contract Price is necessary, then Contractor shall submit any Change Proposal seeking such an adjustment no later than 30 days after the completion of the Work set out in the Work Change Directive.
  - 2. Owner believes that an adjustment in Contract Times or Contract Price is necessary, then Owner shall submit any Claim seeking such an adjustment no later than 60 days after issuance of the Work Change Directive.

### 11.04 *Field Orders*

- A. Engineer may authorize minor changes in the Work if the changes do not involve an adjustment in the Contract Price or the Contract Times and are compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents. Such changes will be accomplished by a Field Order and will be binding on Owner and also on Contractor, which shall perform the Work involved promptly.
- B. If Contractor believes that a Field Order justifies an adjustment in the Contract Price or Contract Times, then before proceeding with the Work at issue, Contractor shall submit a Change Proposal as provided herein.

### 11.05 *Owner-Authorized Changes in the Work*

- A. Without invalidating the Contract and without notice to any surety, Owner may, at any time or from time to time, order additions, deletions, or revisions in the Work. Changes involving the design (as set forth in the Drawings, Specifications, or otherwise) or other engineering or technical matters will be supported by Engineer's recommendation.
- B. Such changes in the Work may be accomplished by a Change Order, if Owner and Contractor have agreed as to the effect, if any, of the changes on Contract Times or Contract Price; or by a Work Change Directive. Upon receipt of any such document, Contractor shall promptly proceed with the Work involved; or, in the case of a deletion in the Work, promptly cease construction activities with respect to such deleted Work. Added or revised Work must be performed under the applicable conditions of the Contract Documents.
- C. Nothing in this Paragraph 11.05 obligates Contractor to undertake work that Contractor reasonably concludes cannot be performed in a manner consistent with Contractor's safety obligations under the Contract Documents or Laws and Regulations.

11.06 *Unauthorized Changes in the Work*

- A. Contractor shall not be entitled to an increase in the Contract Price or an extension of the Contract Times with respect to any work performed that is not required by the Contract Documents, as amended, modified, or supplemented, except in the case of an emergency as provided in Paragraph 7.15 or in the case of uncovering Work as provided in Paragraph 14.05.C.2.

11.07 *Change of Contract Price*

- A. The Contract Price may only be changed by a Change Order. Any Change Proposal for an adjustment in the Contract Price must comply with the provisions of Paragraph 11.09. Any Claim for an adjustment of Contract Price must comply with the provisions of Article 12.
- B. An adjustment in the Contract Price will be determined as follows:
  - 1. Where the Work involved is covered by unit prices contained in the Contract Documents, then by application of such unit prices to the quantities of the items involved (subject to the provisions of Paragraph 13.03);
  - 2. Where the Work involved is not covered by unit prices contained in the Contract Documents, then by a mutually agreed lump sum (which may include an allowance for overhead and profit not necessarily in accordance with Paragraph 11.07.C.2); or
  - 3. Where the Work involved is not covered by unit prices contained in the Contract Documents and the parties do not reach mutual agreement to a lump sum, then on the basis of the Cost of the Work (determined as provided in Paragraph 13.01) plus a Contractor's fee for overhead and profit (determined as provided in Paragraph 11.07.C).
- C. *Contractor's Fee:* When applicable, the Contractor's fee for overhead and profit will be determined as follows:
  - 1. A mutually acceptable fixed fee; or
  - 2. If a fixed fee is not agreed upon, then a fee based on the following percentages of the various portions of the Cost of the Work:
    - a. For costs incurred under Paragraphs 13.01.B.1 and 13.01.B.2, the Contractor's fee will be 15 percent;
    - b. For costs incurred under Paragraph 13.01.B.3, the Contractor's fee will be 5 percent;
    - c. Where one or more tiers of subcontracts are on the basis of Cost of the Work plus a fee and no fixed fee is agreed upon, the intent of Paragraphs 11.07.C.2.a and 11.07.C.2.b is that the Contractor's fee will be based on: (1) a fee of 15 percent of the costs incurred under Paragraphs 13.01.B.1 and 13.01.B.2 by the Subcontractor that actually performs the Work, at whatever tier, and (2) with respect to Contractor itself and to any Subcontractors of a tier higher than that of the Subcontractor that actually performs the Work, a fee of 5 percent of the amount (fee plus underlying costs incurred) attributable to the next lower tier Subcontractor; provided, however, that for any such subcontracted Work the maximum total fee to be paid by Owner will be no greater than 27 percent of the costs incurred by the Subcontractor that actually performs the Work;

- d. No fee will be payable on the basis of costs itemized under Paragraphs 13.01.B.4, 13.01.B.5, and 13.01.C;
- e. The amount of credit to be allowed by Contractor to Owner for any change which results in a net decrease in Cost of the Work will be the amount of the actual net decrease in Cost of the Work and a deduction of an additional amount equal to 5 percent of such actual net decrease in Cost of the Work; and
- f. When both additions and credits are involved in any one change or Change Proposal, the adjustment in Contractor's fee will be computed by determining the sum of the costs in each of the cost categories in Paragraph 13.01.B (specifically, payroll costs, Paragraph 13.01.B.1; incorporated materials and equipment costs, Paragraph 13.01.B.2; Subcontract costs, Paragraph 13.01.B.3; special consultants costs, Paragraph 13.01.B.4; and other costs, Paragraph 13.01.B.5) and applying to each such cost category sum the appropriate fee from Paragraphs 11.07.C.2.a through 11.07.C.2.e, inclusive.

#### 11.08 *Change of Contract Times*

- A. The Contract Times may only be changed by a Change Order. Any Change Proposal for an adjustment in the Contract Times must comply with the provisions of Paragraph 11.09. Any Claim for an adjustment in the Contract Times must comply with the provisions of Article 12.
- B. Delay, disruption, and interference in the Work, and any related changes in Contract Times, are addressed in and governed by Paragraph 4.05.

#### 11.09 *Change Proposals*

- A. *Purpose and Content:* Contractor shall submit a Change Proposal to Engineer to request an adjustment in the Contract Times or Contract Price; contest an initial decision by Engineer concerning the requirements of the Contract Documents or relating to the acceptability of the Work under the Contract Documents; challenge a set-off against payment due; or seek other relief under the Contract. The Change Proposal will specify any proposed change in Contract Times or Contract Price, or other proposed relief, and explain the reason for the proposed change, with citations to any governing or applicable provisions of the Contract Documents. Each Change Proposal will address only one issue, or a set of closely related issues.
- B. *Change Proposal Procedures*
  - 1. *Submittal:* Contractor shall submit each Change Proposal to Engineer within 30 days after the start of the event giving rise thereto, or after such initial decision.
  - 2. *Supporting Data:* The Contractor shall submit supporting data, including the proposed change in Contract Price or Contract Time (if any), to the Engineer and Owner within 15 days after the submittal of the Change Proposal.
    - a. Change Proposals based on or related to delay, interruption, or interference must comply with the provisions of Paragraphs 4.05.D and 4.05.E.

- b. Change proposals related to a change of Contract Price must include full and detailed accounts of materials incorporated into the Work and labor and equipment used for the subject Work.

The supporting data must be accompanied by a written statement that the supporting data are accurate and complete, and that any requested time or price adjustment is the entire adjustment to which Contractor believes it is entitled as a result of said event.

3. *Engineer's Initial Review:* Engineer will advise Owner regarding the Change Proposal, and consider any comments or response from Owner regarding the Change Proposal. If in its discretion Engineer concludes that additional supporting data is needed before conducting a full review and making a decision regarding the Change Proposal, then Engineer may request that Contractor submit such additional supporting data by a date specified by Engineer, prior to Engineer beginning its full review of the Change Proposal.
  4. *Engineer's Full Review and Action on the Change Proposal:* Upon receipt of Contractor's supporting data (including any additional data requested by Engineer), Engineer will conduct a full review of each Change Proposal and, within 30 days after such receipt of the Contractor's supporting data, either approve the Change Proposal in whole, deny it in whole, or approve it in part and deny it in part. Such actions must be in writing, with a copy provided to Owner and Contractor. If Engineer does not take action on the Change Proposal within 30 days, then either Owner or Contractor may at any time thereafter submit a letter to the other party indicating that as a result of Engineer's inaction the Change Proposal is deemed denied, thereby commencing the time for appeal of the denial under Article 12.
  5. *Binding Decision:* Engineer's decision is final and binding upon Owner and Contractor, unless Owner or Contractor appeals the decision by filing a Claim under Article 12.
- C. *Resolution of Certain Change Proposals:* If the Change Proposal does not involve the design (as set forth in the Drawings, Specifications, or otherwise), the acceptability of the Work, or other engineering or technical matters, then Engineer will notify the parties in writing that the Engineer is unable to resolve the Change Proposal. For purposes of further resolution of such a Change Proposal, such notice will be deemed a denial, and Contractor may choose to seek resolution under the terms of Article 12.
- D. *Post-Completion:* Contractor shall not submit any Change Proposals after Engineer issues a written recommendation of final payment pursuant to Paragraph 15.06.B.

#### 11.10 Notification to Surety

- A. If the provisions of any bond require notice to be given to a surety of any change affecting the general scope of the Work or the provisions of the Contract Documents (including, but not limited to, Contract Price or Contract Times), the giving of any such notice will be Contractor's responsibility. The amount of each applicable bond will be adjusted to reflect the effect of any such change.

## ARTICLE 12—CLAIMS

### 12.01 *Claims*

- A. *Claims Process*: The following disputes between Owner and Contractor are subject to the Claims process set forth in this article:
1. Appeals by Owner or Contractor of Engineer's decisions regarding Change Proposals;
  2. Owner demands for adjustments in the Contract Price or Contract Times, or other relief under the Contract Documents;
  3. Disputes that Engineer has been unable to address because they do not involve the design (as set forth in the Drawings, Specifications, or otherwise), the acceptability of the Work, or other engineering or technical matters; and
  4. Subject to the waiver provisions of Paragraph 15.07, any dispute arising after Engineer has issued a written recommendation of final payment pursuant to Paragraph 15.06.B.
- B. *Submittal of Claim*: The party submitting a Claim shall deliver it directly to the other party to the Contract promptly (but in no event later than 30 days) after the start of the event giving rise thereto; in the case of appeals regarding Change Proposals within 30 days of the decision under appeal. The party submitting the Claim shall also furnish a copy to the Engineer, for its information only. The responsibility to substantiate a Claim rests with the party making the Claim. In the case of a Claim by Contractor seeking an increase in the Contract Times or Contract Price, Contractor shall certify that the Claim is made in good faith, that the supporting data are accurate and complete, and that to the best of Contractor's knowledge and belief the amount of time or money requested accurately reflects the full amount to which Contractor is entitled.
- C. *Review and Resolution*: The party receiving a Claim shall review it thoroughly, giving full consideration to its merits. The two parties shall seek to resolve the Claim through the exchange of information and direct negotiations. The parties may extend the time for resolving the Claim by mutual agreement. All actions taken on a Claim will be stated in writing and submitted to the other party, with a copy to Engineer.
- D. *Mediation*
1. At any time after initiation of a Claim, Owner and Contractor may mutually agree to mediation of the underlying dispute. The agreement to mediate will stay the Claim submittal and response process.
  2. If Owner and Contractor agree to mediation, then after 60 days from such agreement, either Owner or Contractor may unilaterally terminate the mediation process, and the Claim submittal and decision process will resume as of the date of the termination. If the mediation proceeds but is unsuccessful in resolving the dispute, the Claim submittal and decision process will resume as of the date of the conclusion of the mediation, as determined by the mediator.
  3. Owner and Contractor shall each pay one-half of the mediator's fees and costs.

- E. *Partial Approval*: If the party receiving a Claim approves the Claim in part and denies it in part, such action will be final and binding unless within 30 days of such action the other party invokes the procedure set forth in Article 17 for final resolution of disputes.
- F. *Denial of Claim*: If efforts to resolve a Claim are not successful, the party receiving the Claim may deny it by giving written notice of denial to the other party. If the receiving party does not take action on the Claim within 90 days, then either Owner or Contractor may at any time thereafter submit a letter to the other party indicating that as a result of the inaction, the Claim is deemed denied, thereby commencing the time for appeal of the denial. A denial of the Claim will be final and binding unless within 30 days of the denial the other party invokes the procedure set forth in Article 17 for the final resolution of disputes.
- G. *Final and Binding Results*: If the parties reach a mutual agreement regarding a Claim, whether through approval of the Claim, direct negotiations, mediation, or otherwise; or if a Claim is approved in part and denied in part, or denied in full, and such actions become final and binding; then the results of the agreement or action on the Claim will be incorporated in a Change Order or other written document to the extent they affect the Contract, including the Work, the Contract Times, or the Contract Price.

## **ARTICLE 13—COST OF THE WORK; ALLOWANCES; UNIT PRICE WORK**

### 13.01 *Cost of the Work*

- A. *Purposes for Determination of Cost of the Work*: The term Cost of the Work means the sum of all costs necessary for the proper performance of the Work at issue, as further defined below. The provisions of this Paragraph 13.01 are used for two distinct purposes:
  - 1. To determine Cost of the Work when Cost of the Work is a component of the Contract Price, under cost-plus-fee, time-and-materials, or other cost-based terms; or
  - 2. When needed to determine the value of a Change Order, Change Proposal, Claim, set-off, or other adjustment in Contract Price. When the value of any such adjustment is determined on the basis of Cost of the Work, Contractor is entitled only to those additional or incremental costs required because of the change in the Work or because of the event giving rise to the adjustment.
- B. *Costs Included*: Except as otherwise may be agreed to in writing by Owner, costs included in the Cost of the Work will be in amounts no higher than those commonly incurred in the locality of the Project, will not include any of the costs itemized in Paragraph 13.01.C, and will include only the following items:
  - 1. Payroll costs for employees in the direct employ of Contractor in the performance of the Work under schedules of job classifications agreed upon by Owner and Contractor in advance of the subject Work. Such employees include, without limitation, superintendents, foremen, safety managers, safety representatives, and other personnel employed full time on the Work. Payroll costs for employees not employed full time on the Work will be apportioned on the basis of their time spent on the Work. Payroll costs include, but are not limited to, salaries and wages plus the cost of fringe benefits, which include social security contributions, unemployment, excise, and payroll taxes, workers'

compensation, health and retirement benefits, sick leave, and vacation and holiday pay applicable thereto. The expenses of performing Work outside of regular working hours, on Saturday, Sunday, or legal holidays, will be included in the above to the extent authorized by Owner.

2. Cost of all materials and equipment furnished and incorporated in the Work, including costs of transportation and storage thereof, and Suppliers' field services required in connection therewith. All cash discounts accrue to Contractor unless Owner deposits funds with Contractor with which to make payments, in which case the cash discounts will accrue to Owner. All trade discounts, rebates, and refunds and returns from sale of surplus materials and equipment will accrue to Owner, and Contractor shall make provisions so that they may be obtained.
3. Payments made by Contractor to Subcontractors for Work performed by Subcontractors. If required by Owner, Contractor shall obtain competitive bids from subcontractors acceptable to Owner and Contractor and shall deliver such bids to Owner, which will then determine, with the advice of Engineer, which bids, if any, will be acceptable. If any subcontract provides that the Subcontractor is to be paid on the basis of Cost of the Work plus a fee, the Subcontractor's Cost of the Work and fee will be determined in the same manner as Contractor's Cost of the Work and fee as provided in this Paragraph 13.01.
4. Costs of special consultants (including but not limited to engineers, architects, testing laboratories, surveyors, attorneys, and accountants) employed or retained for services specifically related to the Work.
5. Other costs consisting of the following:
  - a. The proportion of necessary transportation, travel, and subsistence expenses of Contractor's employees incurred in discharge of duties connected with the Work.
  - b. Cost, including transportation and maintenance, of all materials, supplies, equipment, machinery, appliances, office, and temporary facilities at the Site, which are consumed in the performance of the Work, and cost, less market value, of such items used but not consumed which remain the property of Contractor.
    - 1) In establishing included costs for materials such as scaffolding, plating, or sheeting, consideration will be given to the actual or the estimated life of the material for use on other projects; or rental rates may be established on the basis of purchase or salvage value of such items, whichever is less. Contractor will not be eligible for compensation for such items in an amount that exceeds the purchase cost of such item.
  - c. *Construction Equipment Rental*
    - 1) Rentals of all construction equipment and machinery, and the parts thereof, in accordance with rental agreements approved by Owner as to price (including any surcharge or special rates applicable to overtime use of the construction equipment or machinery), and the costs of transportation, loading, unloading, assembly, dismantling, and removal thereof. All such costs will be in accordance with the terms of said rental agreements. The rental of any such equipment,

machinery, or parts must cease when the use thereof is no longer necessary for the Work.

- 2) Costs for equipment and machinery owned by Contractor or a Contractor-related entity will be paid at a rate shown for such equipment in the equipment rental rate book specified in the Supplementary Conditions. An hourly rate will be computed by dividing the monthly rates by 176. These computed rates will include all operating costs.
  - 3) With respect to Work that is the result of a Change Order, Change Proposal, Claim, set-off, or other adjustment in Contract Price ("changed Work"), included costs will be based on the time the equipment or machinery is in use on the changed Work and the costs of transportation, loading, unloading, assembly, dismantling, and removal when directly attributable to the changed Work. The cost of any such equipment or machinery, or parts thereof, must cease to accrue when the use thereof is no longer necessary for the changed Work.
- d. Sales, consumer, use, and other similar taxes related to the Work, and for which Contractor is liable, as imposed by Laws and Regulations.
  - e. Deposits lost for causes other than negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, and royalty payments and fees for permits and licenses.
  - f. Losses and damages (and related expenses) caused by damage to the Work, not compensated by insurance or otherwise, sustained by Contractor in connection with the performance of the Work (except losses and damages within the deductible amounts of builder's risk or other property insurance established in accordance with Paragraph 6.04), provided such losses and damages have resulted from causes other than the negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable. Such losses include settlements made with the written consent and approval of Owner. No such losses, damages, and expenses will be included in the Cost of the Work for the purpose of determining Contractor's fee.
  - g. The cost of utilities, fuel, and sanitary facilities at the Site.
  - h. Minor expenses such as communication service at the Site, express and courier services, and similar petty cash items in connection with the Work.
  - i. The costs of premiums for all bonds and insurance that Contractor is required by the Contract Documents to purchase and maintain.
- C. *Costs Excluded:* The term Cost of the Work does not include any of the following items:
1. Payroll costs and other compensation of Contractor's officers, executives, principals, general managers, engineers, architects, estimators, attorneys, auditors, accountants, purchasing and contracting agents, expeditors, timekeepers, clerks, and other personnel employed by Contractor, whether at the Site or in Contractor's principal or branch office for general administration of the Work and not specifically included in the agreed upon schedule of job classifications referred to in Paragraph 13.01.B.1 or specifically covered



by Paragraph 13.01.B.4. The payroll costs and other compensation excluded here are to be considered administrative costs covered by the Contractor's fee.

2. The cost of purchasing, renting, or furnishing small tools and hand tools.
3. Expenses of Contractor's principal and branch offices other than Contractor's office at the Site.
4. Any part of Contractor's capital expenses, including interest on Contractor's capital employed for the Work and charges against Contractor for delinquent payments.
5. Costs due to the negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, including but not limited to, the correction of defective Work, disposal of materials or equipment wrongly supplied, and making good any damage to property.
6. Expenses incurred in preparing and advancing Claims.
7. Other overhead or general expense costs of any kind and the costs of any item not specifically and expressly included in Paragraph 13.01.B.

**D. Contractor's Fee**

1. When the Work as a whole is performed on the basis of cost-plus-a-fee, then:
  - a. Contractor's fee for the Work set forth in the Contract Documents as of the Effective Date of the Contract will be determined as set forth in the Agreement.
  - b. for any Work covered by a Change Order, Change Proposal, Claim, set-off, or other adjustment in Contract Price on the basis of Cost of the Work, Contractor's fee will be determined as follows:
    - 1) When the fee for the Work as a whole is a percentage of the Cost of the Work, the fee will automatically adjust as the Cost of the Work changes.
    - 2) When the fee for the Work as a whole is a fixed fee, the fee for any additions or deletions will be determined in accordance with Paragraph 11.07.C.2.
2. When the Work as a whole is performed on the basis of a stipulated sum, or any other basis other than cost-plus-a-fee, then Contractor's fee for any Work covered by a Change Order, Change Proposal, Claim, set-off, or other adjustment in Contract Price on the basis of Cost of the Work will be determined in accordance with Paragraph 11.07.C.2.

**E. Documentation and Audit:** Whenever the Cost of the Work for any purpose is to be determined pursuant to this Article 13, Contractor and pertinent Subcontractors will establish and maintain records of the costs in accordance with generally accepted accounting practices. Subject to prior written notice, Owner will be afforded reasonable access, during normal business hours, to all Contractor's accounts, records, books, correspondence, instructions, drawings, receipts, vouchers, memoranda, and similar data relating to the Cost of the Work and Contractor's fee. Contractor shall preserve all such documents for a period of three years after the final payment by Owner. Pertinent Subcontractors will afford such access to Owner, and preserve such documents, to the same extent required of Contractor.

### 13.02 Allowances

- A. It is understood that Contractor has included in the Contract Price all allowances so named in the Contract Documents and shall cause the Work so covered to be performed for such sums and by such persons or entities as may be acceptable to Owner and Engineer.
- B. *Cash Allowances*: Contractor agrees that:
  - 1. the cash allowances include the cost to Contractor (less any applicable trade discounts) of materials and equipment required by the allowances to be delivered at the Site, and all applicable taxes; and
  - 2. Contractor's costs for unloading and handling on the Site, labor, installation, overhead, profit, and other expenses contemplated for the cash allowances have been included in the Contract Price and not in the allowances, and no demand for additional payment for any of the foregoing will be valid.
- C. *Owner's Contingency Allowance*: Contractor agrees that an Owner's contingency allowance, if any, is for the sole use of Owner to cover unanticipated costs.
- D. Prior to final payment, an appropriate Change Order will be issued as recommended by Engineer to reflect actual amounts due Contractor for Work covered by allowances, and the Contract Price will be correspondingly adjusted.

### 13.03 Unit Price Work

- A. Where the Contract Documents provide that all or part of the Work is to be Unit Price Work, initially the Contract Price will be deemed to include for all Unit Price Work an amount equal to the sum of the unit price for each separately identified item of Unit Price Work times the estimated quantity of each item as indicated in the Agreement.
- B. The estimated quantities of items of Unit Price Work are not guaranteed and are solely for the purpose of comparison of Bids and determining an initial Contract Price. Payments to Contractor for Unit Price Work will be based on actual quantities.
- C. Each unit price will be deemed to include an amount considered by Contractor to be adequate to cover Contractor's overhead and profit for each separately identified item.
- D. Engineer will determine the actual quantities and classifications of Unit Price Work performed by Contractor. Engineer will review with Contractor the Engineer's preliminary determinations on such matters before rendering a written decision thereon (by recommendation of an Application for Payment or otherwise). Engineer's written decision thereon will be final and binding (except as modified by Engineer to reflect changed factual conditions or more accurate data) upon Owner and Contractor, and the final adjustment of Contract Price will be set forth in a Change Order, subject to the provisions of the following paragraph.

E. *Adjustments in Unit Price*

1. Contractor or Owner shall be entitled to an adjustment in the unit price with respect to an item of Unit Price Work if:
  - a. the quantity of the item of Unit Price Work performed by Contractor differs materially and significantly from the estimated quantity of such item indicated in the Agreement; and
  - b. Contractor's unit costs to perform the item of Unit Price Work have changed materially and significantly as a result of the quantity change.
2. The adjustment in unit price will account for and be coordinated with any related changes in quantities of other items of Work, and in Contractor's costs to perform such other Work, such that the resulting overall change in Contract Price is equitable to Owner and Contractor.
3. Adjusted unit prices will apply to all units of that item.

**ARTICLE 14—TESTS AND INSPECTIONS; CORRECTION, REMOVAL, OR ACCEPTANCE OF DEFECTIVE WORK**

14.01 *Access to Work*

- A. Owner, Engineer, their consultants and other representatives and personnel of Owner, independent testing laboratories, and authorities having jurisdiction have access to the Site and the Work at reasonable times for their observation, inspection, and testing. Contractor shall provide them proper and safe conditions for such access and advise them of Contractor's safety procedures and programs so that they may comply with such procedures and programs as applicable.

14.02 *Tests, Inspections, and Approvals*

- A. Contractor shall give Engineer timely notice of readiness of the Work (or specific parts thereof) for all required inspections and tests, and shall cooperate with inspection and testing personnel to facilitate required inspections and tests.
- B. Owner shall retain and pay for the services of an independent inspector, testing laboratory, or other qualified individual or entity to perform all inspections and tests expressly required by the Contract Documents to be furnished and paid for by Owner, except that costs incurred in connection with tests or inspections of covered Work will be governed by the provisions of Paragraph 14.05.
- C. If Laws or Regulations of any public body having jurisdiction require any Work (or part thereof) specifically to be inspected, tested, or approved by an employee or other representative of such public body, Contractor shall assume full responsibility for arranging and obtaining such inspections, tests, or approvals, pay all costs in connection therewith, and furnish Engineer the required certificates of inspection or approval.

- D. Contractor shall be responsible for arranging, obtaining, and paying for all inspections and tests required:
1. by the Contract Documents, unless the Contract Documents expressly allocate responsibility for a specific inspection or test to Owner;
  2. to attain Owner's and Engineer's acceptance of materials or equipment to be incorporated in the Work;
  3. by manufacturers of equipment furnished under the Contract Documents;
  4. for testing, adjusting, and balancing of mechanical, electrical, and other equipment to be incorporated into the Work; and
  5. for acceptance of materials, mix designs, or equipment submitted for approval prior to Contractor's purchase thereof for incorporation in the Work.

Such inspections and tests will be performed by independent inspectors, testing laboratories, or other qualified individuals or entities acceptable to Owner and Engineer.

- E. If the Contract Documents require the Work (or part thereof) to be approved by Owner, Engineer, or another designated individual or entity, then Contractor shall assume full responsibility for arranging and obtaining such approvals.
- F. If any Work (or the work of others) that is to be inspected, tested, or approved is covered by Contractor without written concurrence of Engineer, Contractor shall, if requested by Engineer, uncover such Work for observation. Such uncovering will be at Contractor's expense unless Contractor had given Engineer timely notice of Contractor's intention to cover the same and Engineer had not acted with reasonable promptness in response to such notice.

#### 14.03 *Defective Work*

- A. *Contractor's Obligation:* It is Contractor's obligation to assure that the Work is not defective.
- B. *Engineer's Authority:* Engineer has the authority to determine whether Work is defective, and to reject defective Work.
- C. *Notice of Defects:* Prompt written notice of all defective Work of which Owner or Engineer has actual knowledge will be given to Contractor.
- D. *Correction, or Removal and Replacement:* Promptly after receipt of written notice of defective Work, Contractor shall correct all such defective Work, whether or not fabricated, installed, or completed, or, if Engineer has rejected the defective Work, remove it from the Project and replace it with Work that is not defective.
- E. *Preservation of Warranties:* When correcting defective Work, Contractor shall take no action that would void or otherwise impair Owner's special warranty and guarantee, if any, on said Work.
- F. *Costs and Damages:* In addition to its correction, removal, and replacement obligations with respect to defective Work, Contractor shall pay all claims, costs, losses, and damages arising out of or relating to defective Work, including but not limited to the cost of the inspection, testing, correction, removal, replacement, or reconstruction of such defective Work, fines levied against Owner by governmental authorities because the Work is defective, and the

costs of repair or replacement of work of others resulting from defective Work. Prior to final payment, if Owner and Contractor are unable to agree as to the measure of such claims, costs, losses, and damages resulting from defective Work, then Owner may impose a reasonable set-off against payments due under Article 15.

#### 14.04 *Acceptance of Defective Work*

- A. If, instead of requiring correction or removal and replacement of defective Work, Owner prefers to accept it, Owner may do so (subject, if such acceptance occurs prior to final payment, to Engineer's confirmation that such acceptance is in general accord with the design intent and applicable engineering principles, and will not endanger public safety). Contractor shall pay all claims, costs, losses, and damages attributable to Owner's evaluation of and determination to accept such defective Work (such costs to be approved by Engineer as to reasonableness), and for the diminished value of the Work to the extent not otherwise paid by Contractor. If any such acceptance occurs prior to final payment, the necessary revisions in the Contract Documents with respect to the Work will be incorporated in a Change Order. If the parties are unable to agree as to the decrease in the Contract Price, reflecting the diminished value of Work so accepted, then Owner may impose a reasonable set-off against payments due under Article 15. If the acceptance of defective Work occurs after final payment, Contractor shall pay an appropriate amount to Owner.

#### 14.05 *Uncovering Work*

- A. Engineer has the authority to require additional inspection or testing of the Work, whether or not the Work is fabricated, installed, or completed.
- B. If any Work is covered contrary to the written request of Engineer, then Contractor shall, if requested by Engineer, uncover such Work for Engineer's observation, and then replace the covering, all at Contractor's expense.
- C. If Engineer considers it necessary or advisable that covered Work be observed by Engineer or inspected or tested by others, then Contractor, at Engineer's request, shall uncover, expose, or otherwise make available for observation, inspection, or testing as Engineer may require, that portion of the Work in question, and provide all necessary labor, material, and equipment.
  1. If it is found that the uncovered Work is defective, Contractor shall be responsible for all claims, costs, losses, and damages arising out of or relating to such uncovering, exposure, observation, inspection, and testing, and of satisfactory replacement or reconstruction (including but not limited to all costs of repair or replacement of work of others); and pending Contractor's full discharge of this responsibility the Owner shall be entitled to impose a reasonable set-off against payments due under Article 15.
  2. If the uncovered Work is not found to be defective, Contractor shall be allowed an increase in the Contract Price or an extension of the Contract Times, directly attributable to such uncovering, exposure, observation, inspection, testing, replacement, and reconstruction. If the parties are unable to agree as to the amount or extent thereof, then Contractor may submit a Change Proposal within 30 days of the determination that the Work is not defective.

14.06 *Owner May Stop the Work*

- A. If the Work is defective, or Contractor fails to supply sufficient skilled workers or suitable materials or equipment, or fails to perform the Work in such a way that the completed Work will conform to the Contract Documents, then Owner may order Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, this right of Owner to stop the Work will not give rise to any duty on the part of Owner to exercise this right for the benefit of Contractor, any Subcontractor, any Supplier, any other individual or entity, or any surety for, or employee or agent of any of them.

14.07 *Owner May Correct Defective Work*

- A. If Contractor fails within a reasonable time after written notice from Engineer to correct defective Work, or to remove and replace defective Work as required by Engineer, then Owner may, after 7 days' written notice to Contractor, correct or remedy any such deficiency.
- B. In exercising the rights and remedies under this Paragraph 14.07, Owner shall proceed expeditiously. In connection with such corrective or remedial action, Owner may exclude Contractor from all or part of the Site, take possession of all or part of the Work and suspend Contractor's services related thereto, and incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere. Contractor shall allow Owner, Owner's representatives, agents and employees, Owner's other contractors, and Engineer and Engineer's consultants access to the Site to enable Owner to exercise the rights and remedies under this paragraph.
- C. All claims, costs, losses, and damages incurred or sustained by Owner in exercising the rights and remedies under this Paragraph 14.07 will be charged against Contractor as set-offs against payments due under Article 15. Such claims, costs, losses and damages will include but not be limited to all costs of repair, or replacement of work of others destroyed or damaged by correction, removal, or replacement of Contractor's defective Work.
- D. Contractor shall not be allowed an extension of the Contract Times because of any delay in the performance of the Work attributable to the exercise by Owner of Owner's rights and remedies under this Paragraph 14.07.

**ARTICLE 15—PAYMENTS TO CONTRACTOR; SET-OFFS; COMPLETION; CORRECTION PERIOD**

15.01 *Progress Payments*

- A. *Basis for Progress Payments:* The Schedule of Values established as provided in Article 2 will serve as the basis for progress payments and will be incorporated into a form of Application for Payment acceptable to Engineer. Progress payments for Unit Price Work will be based on the number of units completed during the pay period, as determined under the provisions of Paragraph 13.03. Progress payments for cost-based Work will be based on Cost of the Work completed by Contractor during the pay period.
- B. *Applications for Payments*
  - 1. At least 20 days before the date established in the Agreement for each progress payment (but not more often than once a month), Contractor shall submit to Engineer for review an Application for Payment filled out and signed by Contractor covering the Work

completed as of the date of the Application and accompanied by such supporting documentation as is required by the Contract Documents.

2. If payment is requested on the basis of materials and equipment not incorporated in the Work but delivered and suitably stored at the Site or at another location agreed to in writing, the Application for Payment must also be accompanied by: (a) a bill of sale, invoice, copies of subcontract or purchase order payments, or other documentation establishing full payment by Contractor for the materials and equipment; (b) at Owner's request, documentation warranting that Owner has received the materials and equipment free and clear of all Liens; and (c) evidence that the materials and equipment are covered by appropriate property insurance, a warehouse bond, or other arrangements to protect Owner's interest therein, all of which must be satisfactory to Owner.
  3. Beginning with the second Application for Payment, each Application must include an affidavit of Contractor stating that all previous progress payments received by Contractor have been applied to discharge Contractor's legitimate obligations associated with prior Applications for Payment.
  4. The amount of retainage with respect to progress payments will be as stipulated in the Agreement.
- C. *Review of Applications*
1. Engineer will, within 10 days after receipt of each Application for Payment, including each resubmittal, either indicate in writing a recommendation of payment and present the Application to Owner, or return the Application to Contractor indicating in writing Engineer's reasons for refusing to recommend payment. In the latter case, Contractor may make the necessary corrections and resubmit the Application.
  2. Engineer's recommendation of any payment requested in an Application for Payment will constitute a representation by Engineer to Owner, based on Engineer's observations of the executed Work as an experienced and qualified design professional, and on Engineer's review of the Application for Payment and the accompanying data and schedules, that to the best of Engineer's knowledge, information and belief:
    - a. the Work has progressed to the point indicated;
    - b. the quality of the Work is generally in accordance with the Contract Documents (subject to an evaluation of the Work as a functioning whole prior to or upon Substantial Completion, the results of any subsequent tests called for in the Contract Documents, a final determination of quantities and classifications for Unit Price Work under Paragraph 13.03, and any other qualifications stated in the recommendation); and
    - c. the conditions precedent to Contractor's being entitled to such payment appear to have been fulfilled in so far as it is Engineer's responsibility to observe the Work.

3. By recommending any such payment Engineer will not thereby be deemed to have represented that:
  - a. inspections made to check the quality or the quantity of the Work as it has been performed have been exhaustive, extended to every aspect of the Work in progress, or involved detailed inspections of the Work beyond the responsibilities specifically assigned to Engineer in the Contract; or
  - b. there may not be other matters or issues between the parties that might entitle Contractor to be paid additionally by Owner or entitle Owner to withhold payment to Contractor.
4. Neither Engineer's review of Contractor's Work for the purposes of recommending payments nor Engineer's recommendation of any payment, including final payment, will impose responsibility on Engineer:
  - a. to supervise, direct, or control the Work;
  - b. for the means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto;
  - c. for Contractor's failure to comply with Laws and Regulations applicable to Contractor's performance of the Work;
  - d. to make any examination to ascertain how or for what purposes Contractor has used the money paid by Owner; or
  - e. to determine that title to any of the Work, materials, or equipment has passed to Owner free and clear of any Liens.
5. Engineer may refuse to recommend the whole or any part of any payment if, in Engineer's opinion, it would be incorrect to make the representations to Owner stated in Paragraph 15.01.C.2.
6. Engineer will recommend reductions in payment (set-offs) necessary in Engineer's opinion to protect Owner from loss because:
  - a. the Work is defective, requiring correction or replacement;
  - b. the Contract Price has been reduced by Change Orders;
  - c. Owner has been required to correct defective Work in accordance with Paragraph 14.07, or has accepted defective Work pursuant to Paragraph 14.04;
  - d. Owner has been required to remove or remediate a Hazardous Environmental Condition for which Contractor is responsible; or
  - e. Engineer has actual knowledge of the occurrence of any of the events that would constitute a default by Contractor and therefore justify termination for cause under the Contract Documents.



D. *Payment Becomes Due*

1. Ten days after presentation of the Application for Payment to Owner with Engineer's recommendation, the amount recommended (subject to any Owner set-offs) will become due, and when due will be paid by Owner to Contractor.

E. *Reductions in Payment by Owner*

1. In addition to any reductions in payment (set-offs) recommended by Engineer, Owner is entitled to impose a set-off against payment based on any of the following:
  - a. Claims have been made against Owner based on Contractor's conduct in the performance or furnishing of the Work, or Owner has incurred costs, losses, or damages resulting from Contractor's conduct in the performance or furnishing of the Work, including but not limited to claims, costs, losses, or damages from workplace injuries, adjacent property damage, non-compliance with Laws and Regulations, and patent infringement;
  - b. Contractor has failed to take reasonable and customary measures to avoid damage, delay, disruption, and interference with other work at or adjacent to the Site;
  - c. Contractor has failed to provide and maintain required bonds or insurance;
  - d. Owner has been required to remove or remediate a Hazardous Environmental Condition for which Contractor is responsible;
  - e. Owner has incurred extra charges or engineering costs related to submittal reviews, evaluations of proposed substitutes, tests and inspections, or return visits to manufacturing or assembly facilities;
  - f. The Work is defective, requiring correction or replacement;
  - g. Owner has been required to correct defective Work in accordance with Paragraph 14.07, or has accepted defective Work pursuant to Paragraph 14.04;
  - h. The Contract Price has been reduced by Change Orders;
  - i. An event has occurred that would constitute a default by Contractor and therefore justify a termination for cause;
  - j. Liquidated or other damages have accrued as a result of Contractor's failure to achieve Milestones, Substantial Completion, or final completion of the Work;
  - k. Liens have been filed in connection with the Work, except where Contractor has delivered a specific bond satisfactory to Owner to secure the satisfaction and discharge of such Liens; or
  - l. Other items entitle Owner to a set-off against the amount recommended.
2. If Owner imposes any set-off against payment, whether based on its own knowledge or on the written recommendations of Engineer, Owner will give Contractor immediate written notice (with a copy to Engineer) stating the reasons for such action and the specific amount of the reduction, and promptly pay Contractor any amount remaining after deduction of the amount so withheld. Owner shall promptly pay Contractor the

amount so withheld, or any adjustment thereto agreed to by Owner and Contractor, if Contractor remedies the reasons for such action. The reduction imposed will be binding on Contractor unless it duly submits a Change Proposal contesting the reduction.

3. Upon a subsequent determination that Owner's refusal of payment was not justified, the amount wrongfully withheld will be treated as an amount due as determined by Paragraph 15.01.D.1 and subject to interest as provided in the Agreement.

#### 15.02 *Contractor's Warranty of Title*

- A. Contractor warrants and guarantees that title to all Work, materials, and equipment furnished under the Contract will pass to Owner free and clear of (1) all Liens and other title defects, and (2) all patent, licensing, copyright, or royalty obligations, no later than 7 days after the time of payment by Owner.

#### 15.03 *Substantial Completion*

- A. When Contractor considers the entire Work ready for its intended use Contractor shall notify Owner and Engineer in writing that the entire Work is substantially complete and request that Engineer issue a certificate of Substantial Completion. Contractor shall at the same time submit to Owner and Engineer an initial draft of punch list items to be completed or corrected before final payment.
- B. Promptly after Contractor's notification, Owner, Contractor, and Engineer shall make an inspection of the Work to determine the status of completion. If Engineer does not consider the Work substantially complete, Engineer will notify Contractor in writing giving the reasons therefor.
- C. If Engineer considers the Work substantially complete, Engineer will deliver to Owner a preliminary certificate of Substantial Completion which will fix the date of Substantial Completion. Engineer shall attach to the certificate a punch list of items to be completed or corrected before final payment. Owner shall have 7 days after receipt of the preliminary certificate during which to make written objection to Engineer as to any provisions of the certificate or attached punch list. If, after considering the objections to the provisions of the preliminary certificate, Engineer concludes that the Work is not substantially complete, Engineer will, within 14 days after submission of the preliminary certificate to Owner, notify Contractor in writing that the Work is not substantially complete, stating the reasons therefor. If Owner does not object to the provisions of the certificate, or if despite consideration of Owner's objections Engineer concludes that the Work is substantially complete, then Engineer will, within said 14 days, execute and deliver to Owner and Contractor a final certificate of Substantial Completion (with a revised punch list of items to be completed or corrected) reflecting such changes from the preliminary certificate as Engineer believes justified after consideration of any objections from Owner.
- D. At the time of receipt of the preliminary certificate of Substantial Completion, Owner and Contractor will confer regarding Owner's use or occupancy of the Work following Substantial Completion, review the builder's risk insurance policy with respect to the end of the builder's risk coverage, and confirm the transition to coverage of the Work under a permanent property insurance policy held by Owner. Unless Owner and Contractor agree otherwise in writing, Owner shall bear responsibility for security, operation, protection of the Work,

property insurance, maintenance, heat, and utilities upon Owner's use or occupancy of the Work.

- E. After Substantial Completion the Contractor shall promptly begin work on the punch list of items to be completed or corrected prior to final payment. In appropriate cases Contractor may submit monthly Applications for Payment for completed punch list items, following the progress payment procedures set forth above.
- F. Owner shall have the right to exclude Contractor from the Site after the date of Substantial Completion subject to allowing Contractor reasonable access to remove its property and complete or correct items on the punch list.

#### 15.04 *Partial Use or Occupancy*

- A. Prior to Substantial Completion of all the Work, Owner may use or occupy any substantially completed part of the Work which has specifically been identified in the Contract Documents, or which Owner, Engineer, and Contractor agree constitutes a separately functioning and usable part of the Work that can be used by Owner for its intended purpose without significant interference with Contractor's performance of the remainder of the Work, subject to the following conditions:
  - 1. At any time, Owner may request in writing that Contractor permit Owner to use or occupy any such part of the Work that Owner believes to be substantially complete. If and when Contractor agrees that such part of the Work is substantially complete, Contractor, Owner, and Engineer will follow the procedures of Paragraph 15.03.A through 15.03.E for that part of the Work.
  - 2. At any time, Contractor may notify Owner and Engineer in writing that Contractor considers any such part of the Work substantially complete and request Engineer to issue a certificate of Substantial Completion for that part of the Work.
  - 3. Within a reasonable time after either such request, Owner, Contractor, and Engineer shall make an inspection of that part of the Work to determine its status of completion. If Engineer does not consider that part of the Work to be substantially complete, Engineer will notify Owner and Contractor in writing giving the reasons therefor. If Engineer considers that part of the Work to be substantially complete, the provisions of Paragraph 15.03 will apply with respect to certification of Substantial Completion of that part of the Work and the division of responsibility in respect thereof and access thereto.
  - 4. No use or occupancy or separate operation of part of the Work may occur prior to compliance with the requirements of Paragraph 6.04 regarding builder's risk or other property insurance.

#### 15.05 *Final Inspection*

- A. Upon written notice from Contractor that the entire Work or an agreed portion thereof is complete, Engineer will promptly make a final inspection with Owner and Contractor and will notify Contractor in writing of all particulars in which this inspection reveals that the Work, or agreed portion thereof, is incomplete or defective. Contractor shall immediately take such measures as are necessary to complete such Work or remedy such deficiencies.

## 15.06 *Final Payment*

### A. *Application for Payment*

1. After Contractor has, in the opinion of Engineer, satisfactorily completed all corrections identified during the final inspection and has delivered, in accordance with the Contract Documents, all maintenance and operating instructions, schedules, guarantees, bonds, certificates or other evidence of insurance, certificates of inspection, annotated record documents (as provided in Paragraph 7.12), and other documents, Contractor may make application for final payment.
  2. The final Application for Payment must be accompanied (except as previously delivered) by:
    - a. all documentation called for in the Contract Documents;
    - b. consent of the surety, if any, to final payment;
    - c. satisfactory evidence that all title issues have been resolved such that title to all Work, materials, and equipment has passed to Owner free and clear of any Liens or other title defects, or will so pass upon final payment.
    - d. a list of all duly pending Change Proposals and Claims; and
    - e. complete and legally effective releases or waivers (satisfactory to Owner) of all Lien rights arising out of the Work, and of Liens filed in connection with the Work.
  3. In lieu of the releases or waivers of Liens specified in Paragraph 15.06.A.2 and as approved by Owner, Contractor may furnish receipts or releases in full and an affidavit of Contractor that: (a) the releases and receipts include all labor, services, material, and equipment for which a Lien could be filed; and (b) all payrolls, material and equipment bills, and other indebtedness connected with the Work for which Owner might in any way be responsible, or which might in any way result in liens or other burdens on Owner's property, have been paid or otherwise satisfied. If any Subcontractor or Supplier fails to furnish such a release or receipt in full, Contractor may furnish a bond or other collateral satisfactory to Owner to indemnify Owner against any Lien, or Owner at its option may issue joint checks payable to Contractor and specified Subcontractors and Suppliers.
- B. *Engineer's Review of Final Application and Recommendation of Payment:* If, on the basis of Engineer's observation of the Work during construction and final inspection, and Engineer's review of the final Application for Payment and accompanying documentation as required by the Contract Documents, Engineer is satisfied that the Work has been completed and Contractor's other obligations under the Contract have been fulfilled, Engineer will, within 10 days after receipt of the final Application for Payment, indicate in writing Engineer's recommendation of final payment and present the final Application for Payment to Owner for payment. Such recommendation will account for any set-offs against payment that are necessary in Engineer's opinion to protect Owner from loss for the reasons stated above with respect to progress payments. Otherwise, Engineer will return the Application for Payment to Contractor, indicating in writing the reasons for refusing to recommend final payment, in which case Contractor shall make the necessary corrections and resubmit the Application for Payment.

- C. *Notice of Acceptability*: In support of its recommendation of payment of the final Application for Payment, Engineer will also give written notice to Owner and Contractor that the Work is acceptable, subject to stated limitations in the notice and to the provisions of Paragraph 15.07.
- D. *Completion of Work*: The Work is complete (subject to surviving obligations) when it is ready for final payment as established by the Engineer's written recommendation of final payment and issuance of notice of the acceptability of the Work.
- E. *Final Payment Becomes Due*: Upon receipt from Engineer of the final Application for Payment and accompanying documentation, Owner shall set off against the amount recommended by Engineer for final payment any further sum to which Owner is entitled, including but not limited to set-offs for liquidated damages and set-offs allowed under the provisions of this Contract with respect to progress payments. Owner shall pay the resulting balance due to Contractor within 30 days of Owner's receipt of the final Application for Payment from Engineer.

#### 15.07 *Waiver of Claims*

- A. By making final payment, Owner waives its claim or right to liquidated damages or other damages for late completion by Contractor, except as set forth in an outstanding Claim, appeal under the provisions of Article 17, set-off, or express reservation of rights by Owner. Owner reserves all other claims or rights after final payment.
- B. The acceptance of final payment by Contractor will constitute a waiver by Contractor of all claims and rights against Owner other than those pending matters that have been duly submitted as a Claim, or appealed under the provisions of Article 17.

#### 15.08 *Correction Period*

- A. If within one year after the date of Substantial Completion (or such longer period of time as may be prescribed by the Supplementary Conditions or the terms of any applicable special guarantee required by the Contract Documents), Owner gives Contractor written notice that any Work has been found to be defective, or that Contractor's repair of any damages to the Site or adjacent areas has been found to be defective, then after receipt of such notice of defect Contractor shall promptly, without cost to Owner and in accordance with Owner's written instructions:
  - 1. correct the defective repairs to the Site or such adjacent areas;
  - 2. correct such defective Work;
  - 3. remove the defective Work from the Project and replace it with Work that is not defective, if the defective Work has been rejected by Owner, and
  - 4. satisfactorily correct or repair or remove and replace any damage to other Work, to the work of others, or to other land or areas resulting from the corrective measures.
- B. Owner shall give any such notice of defect within 60 days of the discovery that such Work or repairs is defective. If such notice is given within such 60 days but after the end of the correction period, the notice will be deemed a notice of defective Work under Paragraph 7.17.B.

- C. If, after receipt of a notice of defect within 60 days and within the correction period, Contractor does not promptly comply with the terms of Owner's written instructions, or in an emergency where delay would cause serious risk of loss or damage, Owner may have the defective Work corrected or repaired or may have the rejected Work removed and replaced. Contractor shall pay all costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such correction or repair or such removal and replacement (including but not limited to all costs of repair or replacement of work of others). Contractor's failure to pay such costs, losses, and damages within 10 days of invoice from Owner will be deemed the start of an event giving rise to a Claim under Paragraph 12.01.B, such that any related Claim must be brought within 30 days of the failure to pay.
- D. In special circumstances where a particular item of equipment is placed in continuous service before Substantial Completion of all the Work, the correction period for that item may start to run from an earlier date if so provided in the Specifications.
- E. Where defective Work (and damage to other Work resulting therefrom) has been corrected or removed and replaced under this paragraph, the correction period hereunder with respect to such Work will be extended for an additional period of one year after such correction or removal and replacement has been satisfactorily completed.
- F. Contractor's obligations under this paragraph are in addition to all other obligations and warranties. The provisions of this paragraph are not to be construed as a substitute for, or a waiver of, the provisions of any applicable statute of limitation or repose.

## **ARTICLE 16—SUSPENSION OF WORK AND TERMINATION**

### *16.01 Owner May Suspend Work*

- A. At any time and without cause, Owner may suspend the Work or any portion thereof for a period of not more than 90 consecutive days by written notice to Contractor and Engineer. Such notice will fix the date on which Work will be resumed. Contractor shall resume the Work on the date so fixed. Contractor shall be entitled to an adjustment in the Contract Price or an extension of the Contract Times directly attributable to any such suspension. Any Change Proposal seeking such adjustments must be submitted no later than 30 days after the date fixed for resumption of Work.

### *16.02 Owner May Terminate for Cause*

- A. The occurrence of any one or more of the following events will constitute a default by Contractor and justify termination for cause:
  1. Contractor's persistent failure to perform the Work in accordance with the Contract Documents (including, but not limited to, failure to supply sufficient skilled workers or suitable materials or equipment, or failure to adhere to the Progress Schedule);
  2. Failure of Contractor to perform or otherwise to comply with a material term of the Contract Documents;
  3. Contractor's disregard of Laws or Regulations of any public body having jurisdiction; or

4. Contractor's repeated disregard of the authority of Owner or Engineer.
- B. If one or more of the events identified in Paragraph 16.02.A occurs, then after giving Contractor (and any surety) 10 days' written notice that Owner is considering a declaration that Contractor is in default and termination of the Contract, Owner may proceed to:
  1. declare Contractor to be in default, and give Contractor (and any surety) written notice that the Contract is terminated; and
  2. enforce the rights available to Owner under any applicable performance bond.
- C. Subject to the terms and operation of any applicable performance bond, if Owner has terminated the Contract for cause, Owner may exclude Contractor from the Site, take possession of the Work, incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere, and complete the Work as Owner may deem expedient.
- D. Owner may not proceed with termination of the Contract under Paragraph 16.02.B if Contractor within 7 days of receipt of notice of intent to terminate begins to correct its failure to perform and proceeds diligently to cure such failure.
- E. If Owner proceeds as provided in Paragraph 16.02.B, Contractor shall not be entitled to receive any further payment until the Work is completed. If the unpaid balance of the Contract Price exceeds the cost to complete the Work, including all related claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals) sustained by Owner, such excess will be paid to Contractor. If the cost to complete the Work including such related claims, costs, losses, and damages exceeds such unpaid balance, Contractor shall pay the difference to Owner. Such claims, costs, losses, and damages incurred by Owner will be reviewed by Engineer as to their reasonableness and, when so approved by Engineer, incorporated in a Change Order. When exercising any rights or remedies under this paragraph, Owner shall not be required to obtain the lowest price for the Work performed.
- F. Where Contractor's services have been so terminated by Owner, the termination will not affect any rights or remedies of Owner against Contractor then existing or which may thereafter accrue, or any rights or remedies of Owner against Contractor or any surety under any payment bond or performance bond. Any retention or payment of money due Contractor by Owner will not release Contractor from liability.
- G. If and to the extent that Contractor has provided a performance bond under the provisions of Paragraph 6.01.A, the provisions of that bond will govern over any inconsistent provisions of Paragraphs 16.02.B and 16.02.D.

16.03 *Owner May Terminate for Convenience*

- A. Upon 7 days' written notice to Contractor and Engineer, Owner may, without cause and without prejudice to any other right or remedy of Owner, terminate the Contract. In such case, Contractor shall be paid for (without duplication of any items):
  - 1. completed and acceptable Work executed in accordance with the Contract Documents prior to the effective date of termination, including fair and reasonable sums for overhead and profit on such Work;
  - 2. expenses sustained prior to the effective date of termination in performing services and furnishing labor, materials, or equipment as required by the Contract Documents in connection with uncompleted Work, plus fair and reasonable sums for overhead and profit on such expenses; and
  - 3. other reasonable expenses directly attributable to termination, including costs incurred to prepare a termination for convenience cost proposal.
- B. Contractor shall not be paid for any loss of anticipated profits or revenue, post-termination overhead costs, or other economic loss arising out of or resulting from such termination.

16.04 *Contractor May Stop Work or Terminate*

- A. If, through no act or fault of Contractor, (1) the Work is suspended for more than 90 consecutive days by Owner or under an order of court or other public authority, or (2) Engineer fails to act on any Application for Payment within 30 days after it is submitted, or (3) Owner fails for 30 days to pay Contractor any sum finally determined to be due, then Contractor may, upon 7 days' written notice to Owner and Engineer, and provided Owner or Engineer do not remedy such suspension or failure within that time, terminate the contract and recover from Owner payment on the same terms as provided in Paragraph 16.03.
- B. In lieu of terminating the Contract and without prejudice to any other right or remedy, if Engineer has failed to act on an Application for Payment within 30 days after it is submitted, or Owner has failed for 30 days to pay Contractor any sum finally determined to be due, Contractor may, 7 days after written notice to Owner and Engineer, stop the Work until payment is made of all such amounts due Contractor, including interest thereon. The provisions of this paragraph are not intended to preclude Contractor from submitting a Change Proposal for an adjustment in Contract Price or Contract Times or otherwise for expenses or damage directly attributable to Contractor's stopping the Work as permitted by this paragraph.

**ARTICLE 17—FINAL RESOLUTION OF DISPUTES**

17.01 *Methods and Procedures*

- A. *Disputes Subject to Final Resolution:* The following disputed matters are subject to final resolution under the provisions of this article:
  - 1. A timely appeal of an approval in part and denial in part of a Claim, or of a denial in full, pursuant to Article 12; and



2. Disputes between Owner and Contractor concerning the Work, or obligations under the Contract Documents, that arise after final payment has been made.
- B. *Final Resolution of Disputes:* For any dispute subject to resolution under this article, Owner or Contractor may:
1. elect in writing to invoke the dispute resolution process provided for in the Supplementary Conditions;
  2. agree with the other party to submit the dispute to another dispute resolution process; or
  3. if no dispute resolution process is provided for in the Supplementary Conditions or mutually agreed to, give written notice to the other party of the intent to submit the dispute to a court of competent jurisdiction.

## **ARTICLE 18—MISCELLANEOUS**

### 18.01 *Giving Notice*

- A. Whenever any provision of the Contract requires the giving of written notice to Owner, Engineer, or Contractor, it will be deemed to have been validly given only if delivered:
1. in person, by a commercial courier service or otherwise, to the recipient's place of business;
  2. by registered or certified mail, postage prepaid, to the recipient's place of business; or
  3. by e-mail to the recipient, with the words "Formal Notice" or similar in the e-mail's subject line.

### 18.02 *Computation of Times*

- A. When any period of time is referred to in the Contract by days, it will be computed to exclude the first and include the last day of such period. If the last day of any such period falls on a Saturday or Sunday or on a day made a legal holiday by the law of the applicable jurisdiction, such day will be omitted from the computation.

### 18.03 *Cumulative Remedies*

- A. The duties and obligations imposed by these General Conditions and the rights and remedies available hereunder to the parties hereto are in addition to, and are not to be construed in any way as a limitation of, any rights and remedies available to any or all of them which are otherwise imposed or available by Laws or Regulations, by special warranty or guarantee, or by other provisions of the Contract. The provisions of this paragraph will be as effective as if repeated specifically in the Contract Documents in connection with each particular duty, obligation, right, and remedy to which they apply.

### 18.04 *Limitation of Damages*

- A. With respect to any and all Change Proposals, Claims, disputes subject to final resolution, and other matters at issue, neither Owner nor Engineer, nor any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, shall be liable to

Contractor for any claims, costs, losses, or damages sustained by Contractor on or in connection with any other project or anticipated project.

18.05 *No Waiver*

- A. A party's non-enforcement of any provision will not constitute a waiver of that provision, nor will it affect the enforceability of that provision or of the remainder of this Contract.

18.06 *Survival of Obligations*

- A. All representations, indemnifications, warranties, and guarantees made in, required by, or given in accordance with the Contract, as well as all continuing obligations indicated in the Contract, will survive final payment, completion, and acceptance of the Work or termination of the Contract or of the services of Contractor.

18.07 *Controlling Law*

- A. This Contract is to be governed by the law of the state in which the Project is located.

18.08 *Assignment of Contract*

- A. Unless expressly agreed to elsewhere in the Contract, no assignment by a party to this Contract of any rights under or interests in the Contract will be binding on the other party without the written consent of the party sought to be bound; and, specifically but without limitation, money that may become due and money that is due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract.

18.09 *Successors and Assigns*

- A. Owner and Contractor each binds itself, its successors, assigns, and legal representatives to the other party hereto, its successors, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in the Contract Documents.

18.10 *Headings*

- A. Article and paragraph headings are inserted for convenience only and do not constitute parts of these General Conditions.

**SUPPLEMENTARY CONDITIONS  
OF THE CONSTRUCTION CONTRACT**



**Endorsed By**

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**SUPPLEMENTARY CONDITIONS**  
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## **SUPPLEMENTARY CONDITIONS OF THE CONSTRUCTION CONTRACT**

These Supplementary Conditions amend or supplement EJCDC® C-700, Standard General Conditions of the Construction Contract (2018), Section 00700 of this Contract. The General Conditions remain in full force and effect except as amended.

The terms used in these Supplementary Conditions have the meanings stated in the General Conditions. Additional terms used in these Supplementary Conditions have the meanings stated below, which are applicable to both the singular and plural thereof.

The address system used in these Supplementary Conditions is the same as the address system used in the General Conditions, with the prefix "SC" added—for example, "Paragraph SC-4.05."

### **ARTICLE 1—DEFINITIONS AND TERMINOLOGY**

SC-1.01 Add the following

Owner: City of Webster City

Engineer: P & E Engineering Co., Des Moines, Iowa

### **ARTICLE 2—PRELIMINARY MATTERS**

SC-2.06 *Electronic Transmittals*

SC-2.06 Delete Paragraphs 2.06.B and 2.06.C in their entirety and insert the following in their place:

B. *Electronic Documents Protocol*: The parties shall conform to the following provisions in Paragraphs 2.06.B and 2.06.C, together referred to as the Electronic Documents Protocol ("EDP" or "Protocol") for exchange of electronic transmittals.

1. *Basic Requirements*

- a. To the fullest extent practical, the parties agree to and will transmit and accept Electronic Documents in an electronic or digital format using the procedures described in this Protocol. Use of the Electronic Documents and any information contained therein is subject to the requirements of this Protocol and other provisions of the Contract.
- b. The contents of the information in any Electronic Document will be the responsibility of the transmitting party.
- c. Electronic Documents as exchanged by this Protocol may be used in the same manner as the printed versions of the same documents that are exchanged using non-electronic format and methods, subject to the same governing requirements, limitations, and restrictions, set forth in the Contract Documents.

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- d. Except as otherwise explicitly stated herein, the terms of this Protocol will be incorporated into any other agreement or subcontract between a party and any third party for any portion of the Work on the Project, or any Project-related services, where that third party is, either directly or indirectly, required to exchange Electronic Documents with a party or with Engineer. Nothing herein will modify the requirements of the Contract regarding communications between and among the parties and their subcontractors and consultants.
  - e. When transmitting Electronic Documents, the transmitting party makes no representations as to long term compatibility, usability, or readability of the items resulting from the receiving party's use of software application packages, operating systems, or computer hardware differing from those established in this Protocol.
  - f. Nothing herein negates any obligation 1) in the Contract to create, provide, or maintain an original printed record version of Drawings and Specifications, signed and sealed according to applicable Laws and Regulations; 2) to comply with any applicable Law or Regulation governing the signing and sealing of design documents or the signing and electronic transmission of any other documents; or 3) to comply with the notice requirements of Paragraph 18.01 of the General Conditions.
2. *System Infrastructure for Electronic Document Exchange*
- a. Each party will provide hardware, operating system(s) software, internet, e-mail, and large file transfer functions ("System Infrastructure") at its own cost and sufficient for complying with the EDP requirements. With the exception of minimum standards set forth in this EDP, and any explicit system requirements specified by attachment to this EDP, it is the obligation of each party to determine, for itself, its own System Infrastructure.
    - 1) The maximum size of an email attachment for exchange of Electronic Documents under this EDP is 5.0 MB. Attachments larger than that may be exchanged using large file transfer functions or physical media.
    - 2) Each Party assumes full and complete responsibility for any and all of its own costs, delays, deficiencies, and errors associated with converting, translating, updating, verifying, licensing, or otherwise enabling its System Infrastructure, including operating systems and software, for use with respect to this EDP.
  - b. Each party is responsible for its own system operations, security, back-up, archiving, audits, printing resources, and other Information Technology ("IT") for maintaining operations of its System Infrastructure during the Project, including coordination with the party's individual(s) or entity responsible for managing its System Infrastructure and capable of addressing routine communications and other IT issues affecting the exchange of Electronic Documents.

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- c. Each party will operate and maintain industry-standard, industry-accepted, ISO-standard, commercial-grade security software and systems that are intended to protect the other party from: software viruses and other malicious software like worms, trojans, adware; data breaches; loss of confidentiality; and other threats in the transmission to or storage of information from the other parties, including transmission of Electronic Documents by physical media such as CD/DVD/flash drive/hard drive. To the extent that a party maintains and operates such security software and systems, it shall not be liable to the other party for any breach of system security.
  - d. In the case of disputes, conflicts, or modifications to the EDP required to address issues affecting System Infrastructure, the parties shall cooperatively resolve the issues; but, failing resolution, the Owner is authorized to make and require reasonable and necessary changes to the EDP to effectuate its original intent. If the changes cause additional cost or time to Contractor, not reasonably anticipated under the original EDP, Contractor may seek an adjustment in price or time under the appropriate process in the Contract.
  - e. Each party is responsible for its own back-up and archive of documents sent and received during the term of the contract under this EDP, unless this EDP establishes a Project document archive, either as part of a mandatory Project website or other communications protocol, upon which the parties may rely for document archiving during the specified term of operation of such Project document archive. Further, each party remains solely responsible for its own post-Project back-up and archive of Project documents after the term of the Contract, or after termination of the Project document archive, if one is established, for as long as required by the Contract and as each party deems necessary for its own purposes.
  - f. If a receiving party receives an obviously corrupted, damaged, or unreadable Electronic Document, the receiving party will advise the sending party of the incomplete transmission.
  - g. The parties will bring any non-conforming Electronic Documents into compliance with the EDP. The parties will attempt to complete a successful transmission of the Electronic Document or use an alternative delivery method to complete the communication.
- C. *Software Requirements for Electronic Document Exchange; Limitations*
- 1. Each party will acquire the software and software licenses necessary to create and transmit Electronic Documents and to read and to use any Electronic Documents received from the other party (and if relevant from third parties), using the software formats required in this section of the EDP.
    - a. Prior to using any updated version of the software required in this section for sending Electronic Documents to the other party, the originating party will first

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notify and receive concurrence from the other party for use of the updated version or adjust its transmission to comply with this EDP.

2. The parties agree not to intentionally edit, reverse engineer, decrypt, remove security or encryption features, or convert to another format for modification purposes any Electronic Document or information contained therein that was transmitted in a software data format, including Portable Document Format (PDF), intended by sender not to be modified, unless the receiving party obtains the permission of the sending party or is citing or quoting excerpts of the Electronic Document for Project purposes.
3. Software and data formats for exchange of Electronic Documents will conform to the requirements set forth in Exhibit A to this EDP, including software versions, if listed.

**ARTICLE 3—CONTRACT DOCUMENTS: INTENT, REQUIREMENTS, REUSE**

3.06 *Drawings*

SC-3.06 Add the following new paragraph immediately after Paragraph 3.05:

3.06 *Drawings*

- A. Details of construction and other engineering data are shown on the included Drawings. In addition to these drawings, other drawings or data may hereafter be furnished and issued by Engineer to explain portions of the work covered by these Specifications in more detail.
- B. The Drawings, in general, are to scale, but figured dimensions shall always be followed and Drawings shall not be scaled.
- C. Engineer will give Contractor reasonable assistance in interpreting the Drawings and Specifications, but such assistance shall not relieve Contractor from any responsibility for his work.

**ARTICLE 4—COMMENCEMENT AND PROGRESS OF THE WORK**

4.03 *Starting the Work*

SC-4.02 Add the following paragraphs immediately after Paragraph 4.02.A.

- B. The Contractor shall notify Owner and Engineer 24 hours before starting operations under this Contract, both initially and after any lapse of work lasting more than seven (7) consecutive calendar days.
- C. Contractor shall notify Owner each day in a manner set by Owner regarding when and where Contractor is working on Owner's properties. At no time shall Contractor be on Owner's property or working on or around Owner's system without Owner's knowledge of said fact.

4.03 *Reference Points*

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SC-4.03 Add the following paragraph immediately after Paragraph 4.03.A.

- B. Engineer will provide staking for the Project as defined in the General Requirements, Staking and Layout Section.

**ARTICLE 5—SITE, SUBSURFACE AND PHYSICAL CONDITIONS, HAZARDOUS ENVIRONMENTAL CONDITIONS**

5.03 *Subsurface and Physical Conditions*

SC-5.03 Add the following new paragraphs immediately after Paragraph 5.03.D:

- E. The following table lists the reports of explorations and tests of subsurface conditions at or adjacent to the Site that contain Technical Data, and specifically identifies the Technical Data in the report upon which Contractor may rely:

Report Title	Date of Report	Technical Data
No reports of explorations or tests of subsurface conditions at or adjacent to the Site are known to the Owner or Engineer.		None

- F. The following table lists the drawings of existing physical conditions at or adjacent to the Site, including those drawings depicting existing surface or subsurface structures at or adjacent to the Site (except Underground Facilities), that contain Technical Data, and specifically identifies the Technical Data upon which Contractor may rely:

Drawings Title	Date of Drawings	Technical Data
No drawings showing existing physical conditions at or adjacent to the Site are known to the Owner or Engineer.		None

- G. Contractor may examine copies of reports and drawings identified in SC-5.03.E and SC-5.03.F that were not included with the Bidding Documents at the office of the Engineer during regular business hours, or may request copies from Engineer.

5.05 *Underground Facilities*

SC-5.05.A Delete Paragraph 5.05.A.3 and insert the following in its place:

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3. verifying the actual location of those Underground Facilities that are shown or indicated in the Contract Document and other such facilities that are identified by the utility locates required by Paragraph 5.05.G as being within the area affected by the Work, by exposing such Underground Facilities during the course of construction.

SC-5.05.G Add the following new paragraph immediately after Paragraph 5.05.F.

- G. All existing utilities must be located before any excavation is started. Regardless of other utility contacts, Contractor must notify One-Call of Iowa and Owner at least 48 hours before beginning work at any particular location.

5.06 *Hazardous Environmental Conditions*

SC-5.06 Add the following new paragraphs immediately after Paragraph 5.06.A.3:

4. The following table lists the reports known to Owner relating to Hazardous Environmental Conditions at or adjacent to the Site, and the Technical Data (if any) upon which Contractor may rely:

Report Title	Date of Report	Technical Data
No reports of Hazardous Environmental Conditions at or adjacent to the Site are known to the Owner or Engineer.		None

5. The following table lists the drawings known to Owner relating to Hazardous Environmental Conditions at or adjacent to the Site, and Technical Data (if any) contained in such Drawings upon which Contractor may rely: **[If there are no such drawings, so indicate in the table]**

Drawings Title	Date of Drawings	Technical Data
No drawings showing hazardous environmental conditions at or adjacent to the Site are known to the Owner or Engineer.		None

**ARTICLE 6—BONDS AND INSURANCE**

6.01 *Performance, Payment, and Other Bonds*

SC-6.01 Add the following paragraphs immediately after Paragraph 6.01.A:

1. *Required Performance Bond Form:* The performance bond

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2. that Contractor furnishes will be in the form of EJCDC® C-610, Performance Bond (2010, 2013, or 2018 edition). A sample of this form is included in Section 00610 of this Contract.
2. *Required Payment Bond Form:* The payment bond that Contractor furnishes will be in the form of EJCDC® C-615, Payment Bond (2010, 2013, or 2018 edition). A sample of this form is included in Section 00615 of this Contract.

SC-6.01 Add the following paragraphs immediately after Paragraph 6.01.B:

1. The correction period specified as one year after the date of Substantial Completion in Paragraph 15.08.A of the General Conditions is hereby revised to be 2 years after Substantial Completion.

6.02 *Insurance—General Provisions*

SC-6.02 Add the following paragraph immediately after Paragraph 6.02.B:

1. Contractor may obtain worker’s compensation insurance from an insurance company that has not been rated by A.M. Best, provided that such company (a) is domiciled in the state in which the Project is located, (b) is certified or authorized as a worker’s compensation insurance provider by the appropriate state agency, and (c) has been accepted to provide worker’s compensation insurance for similar projects by the state within the last 12 months.

6.03 *Contractor’s Insurance*

SC-6.03 Supplement Paragraph 6.03 with the following provisions after Paragraph 6.03.C:

- D. Not Used
- E. *Workers’ Compensation and Employer’s Liability:* Contractor shall purchase and maintain workers’ compensation and employer’s liability insurance, including, as applicable, United States Longshoreman and Harbor Workers’ Compensation Act, Jones Act, stop-gap employer’s liability coverage for monopolistic states, and foreign voluntary workers’ compensation (from available sources, notwithstanding the jurisdictional requirement of Paragraph 6.02.B of the General Conditions).

<b>Workers’ Compensation and Related Policies</b>	<b>Policy limits of not less than:</b>
<b>Workers’ Compensation</b>	
State	Statutory
Applicable Federal (e.g., Longshoreman’s)	Statutory
Foreign voluntary workers’ compensation (employer’s responsibility coverage), if applicable	Statutory
<b>Employer’s Liability</b>	
Each accident	\$1,000,000
Each employee	\$1,000,000

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<b>Workers' Compensation and Related Policies</b>	<b>Policy limits of not less than:</b>
Policy limit	\$1,000,000

- F. *Commercial General Liability—Claims Covered:* Contractor shall purchase and maintain commercial general liability insurance, covering all operations by or on behalf of Contractor, on an occurrence basis, against claims for:
1. damages because of bodily injury, sickness or disease, or death of any person other than Contractor's employees,
  2. damages insured by reasonably available personal injury liability coverage, and
  3. damages because of injury to or destruction of tangible property wherever located, including loss of use resulting therefrom.
- G. *Commercial General Liability—Form and Content:* Contractor's commercial liability policy must be written on a 1996 (or later) Insurance Services Organization, Inc. (ISO) commercial general liability form (occurrence form) and include the following coverages and endorsements:
1. Products and completed operations coverage.
    - a. Such insurance must be maintained for three years after final payment.
    - b. Contractor shall furnish Owner and each other additional insured (as identified in the Supplementary Conditions or elsewhere in the Contract) evidence of continuation of such insurance at final payment and three years thereafter.
  2. Blanket contractual liability coverage, including but not limited to coverage of Contractor's contractual indemnity obligations in Paragraph 7.18.
  3. Severability of interests and no insured-versus-insured or cross-liability exclusions.
  4. Underground, explosion, and collapse coverage.
  5. Personal injury coverage.
  6. Additional insured endorsements that include both ongoing operations and products and completed operations coverage through ISO Endorsements CG 2010 and CG 20 37 (together), editions 10/01, 07/04, or 04/13.
  7. For design professional additional insureds, ISO Endorsement CG 20 32 07 04 "Additional Insured—Engineers, Architects or Surveyors Not Engaged by the Named Insured" or its equivalent.
- H. *Commercial General Liability—Excluded Content:* The commercial general liability insurance policy, including its coverages, endorsements, and incorporated provisions, must not include any of the following:

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1. Any modification of the standard definition of “insured contract” (except to delete the railroad protective liability exclusion if Contractor is required to indemnify a railroad or others with respect to Work within 50 feet of railroad property).
2. Any exclusion for water intrusion or water damage.
3. Any provisions resulting in the erosion of insurance limits by defense costs other than those already incorporated in ISO form CG 00 01.
4. Any exclusion of coverage relating to earth subsidence or movement.
5. Any exclusion for the insured’s vicarious liability, strict liability, or statutory liability (other than worker’s compensation).
6. Any limitation or exclusion based on the nature of Contractor’s work.
7. Any professional liability exclusion broader in effect than the most recent edition of ISO form CG 22 79.

I. *Commercial General Liability—Minimum Policy Limits*

<b>Commercial General Liability</b>	<b>Policy limits of not less than:</b>
General Aggregate	\$2,000,000
Products—Completed Operations Aggregate	\$2,000,000
Personal and Advertising Injury	\$1,000,000
Bodily Injury and Property Damage—Each Occurrence	\$1,000,000

- J. *Automobile Liability*: Contractor shall purchase and maintain automobile liability insurance for damages because of bodily injury or death of any person or property damage arising out of the ownership, maintenance, or use of any motor vehicle. The automobile liability policy must be written on an occurrence basis.

<b>Automobile Liability</b>	<b>Policy limits of not less than:</b>
<b>Bodily Injury</b>	
Each Person	\$500,000
Each Accident	\$1,000,000
<b>Property Damage</b>	
Each Accident	\$1,000,000
<b>or</b>	
<b>Combined Single Limit</b>	
Combined Single Limit (Bodily Injury and Property Damage)	\$2,000,000

- K. *Umbrella or Excess Liability*: Contractor shall purchase and maintain umbrella or excess liability insurance written over the underlying employer’s liability, commercial general

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liability, and automobile liability insurance described in the Paragraphs above. The coverage afforded must be at least as broad as that of each and every one of the underlying policies.

<b>Excess or Umbrella Liability</b>	<b>Policy limits of not less than:</b>
Each Occurrence	\$4,000,000
General Aggregate	\$4,000,000

- L. *Using Umbrella or Excess Liability Insurance to Meet CGL and Other Policy Limit Requirements:* Contractor may meet the policy limits specified for employer’s liability, commercial general liability, and automobile liability through the primary policies alone, or through combinations of the primary insurance policy’s policy limits and partial attribution of the policy limits of an umbrella or excess liability policy that is at least as broad in coverage as that of the underlying policy, as specified herein. If such umbrella or excess liability policy was required under this Contract, at a specified minimum policy limit, such umbrella or excess policy must retain a minimum limit of \$3,000,000 after accounting for partial attribution of its limits to underlying policies, as allowed above.
- M. *Contractor’s Pollution Liability Insurance:* Contractor shall purchase and maintain a policy covering third-party injury and property damage, including cleanup costs, as a result of pollution conditions arising from Contractor’s operations and completed operations. This insurance must be maintained for no less than three years after final completion.

<b>Contractor’s Pollution Liability</b>	<b>Policy limits of not less than:</b>
Each Occurrence/Claim	\$1,000,000
General Aggregate	\$1,000,000

- N. *Unmanned Aerial Vehicle Liability Insurance:* If Contractor uses unmanned aerial vehicles (UAV—commonly referred to as drones) at the Site or in support of any aspect of the Work, Contractor shall obtain UAV liability insurance in the amounts stated; name Owner, and Engineer as additional insureds; and provide a certificate to Owner confirming Contractor’s compliance with this requirement. Such insurance will provide coverage for property damage, bodily injury or death, and invasion of privacy.

<b>Unmanned Aerial Vehicle Liability Insurance</b>	<b>Policy limits of not less than:</b>
Each Claim	\$1,000,000
General Aggregate	\$1,000,000

- O. *Railroad Permit Insurance:* Contractor shall obtain liability insurance and comply with all conditions as required by the Chicago, Central & Pacific Railroad Company before entering

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or performing any work on railroad property. See the Railroad Permit Section 16405 of the Construction Specifications.

- P. All applicable policies must include an Endorsement for Governmental Entity as Additional Insured, ISO BP 04 52 07 13.

**6.04 Builder's Risk and Other Property Insurance**

SC-6.04.D Delete Paragraph 6.04.D and insert the following in its place:

D. All portions of the Work are subject to Partial Use or Utilization as soon as the wires, cable, equipment, and other materials are installed and energized by the Contractor.

SC-6.04.F Supplement Paragraph 6.04 of the General Conditions with the following provisions:

F. *Builder's Risk Requirements:* The builder's risk insurance must:

1. be written on a builder's risk "all risk" policy form that at a minimum includes insurance for physical loss or damage to the Work, temporary buildings, falsework, and materials and equipment stored and in transit, and must not exclude the coverage of the following risks: fire; windstorm; hail; flood; earthquake, volcanic activity, and other earth movement; lightning; riot; civil commotion; terrorism; vehicle impact; aircraft; smoke; theft; vandalism and malicious mischief; mechanical breakdown, boiler explosion, and artificially generated electric current; collapse; explosion; debris removal; demolition occasioned by enforcement of Laws and Regulations; and water damage (other than that caused by flood).
  - a. Such policy will include an exception that results in coverage for ensuing losses from physical damage or loss with respect to any defective workmanship, methods, design, or materials exclusions.
  - b. If insurance against mechanical breakdown, boiler explosion, and artificially generated electric current; earthquake, volcanic activity, and other earth movement; or flood, are not commercially available under builder's risk policies, by endorsement or otherwise, such insurance will be provided through other insurance policies acceptable to Owner and Contractor.
2. cover, as insured property, at least the following: (a) the Work and all materials, supplies, machinery, apparatus, equipment, fixtures, and other property of a similar nature that are to be incorporated into or used in the preparation, fabrication, construction, erection, or completion of the Work, including Owner-furnished or assigned property; (b) spare parts inventory required within the scope of the Contract; and (c) temporary works which are not intended to form part of the permanent constructed Work but which are intended to provide working access to the Site, or to the Work under construction, or which are intended to provide temporary support for the Work under construction, including scaffolding, form work, fences, shoring, falsework, and temporary structures.

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3. cover expenses incurred in the repair or replacement of any insured property (including but not limited to fees and charges of contractors, engineers, and architects).
4. extend to cover damage or loss to insured property while in temporary storage at the Site or in a storage location outside the Site (but not including property stored at the premises of a manufacturer or Supplier).
5. extend to cover damage or loss to insured property while in transit.
6. allow for the waiver of the insurer's subrogation rights, as set forth in this Contract.
7. allow for partial use by Owner by endorsement, and without cancellation or lapse of coverage.
8. include performance/hot testing and start-up, if applicable.
9. be maintained in effect until the Work is complete, as set forth in Paragraph 15.06.D of the General Conditions, or until written confirmation of Owner's procurement of property insurance following Substantial Completion, whichever occurs first.
10. include as named insureds the Owner, Contractor, Subcontractors (of every tier), and any other individuals or entities required by this Contract to be insured under such builder's risk policy. For purposes of Paragraphs 6.04, 6.05, and 6.06 of the General Conditions, and this and all other corresponding Supplementary Conditions, the parties required to be insured will be referred to collectively as "insureds."
11. The builders risk policy must have at least the following coverage limits:
  - a. A minimum of 25% of the contract amount; plus
  - b. A minimum of 25% of the value of Items identified in Bill of Material as being supplied by Owner. For the purpose of this paragraph the value of these materials is \$800,000.

SC-6.04 Supplement Paragraph 6.04 of the General Conditions with the following provisions:

- G. *Builder's Risk and Other Property Insurance Deductibles:* The purchaser of any required builder's risk, installation floater, or other property insurance will be responsible for costs not covered because of the application of a policy deductible.

**ARTICLE 7—CONTRACTOR'S RESPONSIBILITIES**

7.03 *Labor; Working Hours*

SC-7.03 Add the following new subparagraphs immediately after Paragraph 7.03.C:

1. Regular working hours will be 7:00 AM to 7:00 PM, Monday through Friday.

SC-7.03 Add the following new paragraph immediately after Paragraph 7.03.C:

- D. Owner shall be responsible for the cost of any overtime pay or other expense incurred by the Owner, Engineer, Owner's representative, and construction observation services, occasioned

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by the performance of Work on Saturday, Sunday, any legal holiday, or as overtime on any regular work day.

7.10 *Taxes*

SC-7.10 Add a new paragraph immediately after Paragraph 7.10.A:

- B. The Owner is not exempt from State of Iowa Sales and Use tax for materials that are incorporated into an electric utility project. Contractor shall include all applicable taxes in the bid amount.

7.16 *Submittals*

SC-7.16 Delete Paragraphs 7.16.A, 7.16.B, 7.16.C, and 7.16.D, and insert the following in its place:

- A. Shop drawings and samples will not be required for Contractor furnished materials. See paragraphs 9.5 and 18.3 of Section 10000.
- B. Not Used
- C. Not Used
- D. Not Used

**ARTICLE 8—OTHER WORK AT THE SITE**

There are no Supplementary Conditions referring to this Article.

**ARTICLE 9—OWNER'S RESPONSIBILITIES**

9.13 *Owner's Site Representative*

SC-9.13 Add the following new paragraph immediately after Paragraph 9.12 of the General Conditions:

9.13 *Owner's Site Representative*

- A. The Owner's Site Representative will be an employee of the Owner and will be identified prior to the start of construction. The Owner's Site Representative is not Engineer's consultant, agent, or employee. The Owner's Site Representative will:
  1. Be the primary day to day contact for the Contractor's on-site project manager
  2. Coordinate the interaction between Contractor's work and the Owner's system
  3. Review and approve all proposed switching operations on the Owner's system
  4. Review Contractor's Work and notify Engineer of any concerns regarding the acceptability of the Work.
  5. Provide information to Engineer on the progress of the work as needed for Engineer to review Applications for Payment

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6. Authorize minor deviations from the Contract Documents or substitution of materials or equipment (including “or-equal” items) that will not change the Contract Price or Contract Times.
- D. The Owner’s Site Representative will not:
1. Authorize any deviation from the Contract Documents.
  3. Undertake any of the responsibilities of Contractor, Subcontractors, or Suppliers; nor of Engineer (except as specifically listed above).
  4. Advise on, issue directions relative to, or assume control over any aspect of the means, methods, techniques, sequences or procedures of construction.
  5. Advise on, issue directions regarding, or assume control over security or safety practices, precautions, and programs in connection with the activities or operations of Owner or Contractor.
  6. Participate in specialized field or laboratory tests or inspections conducted off-site by others except as specifically authorized by Engineer.
  7. Provide any tools, equipment, or labor that is included in the Contractor’s scope of responsibility.

**ARTICLE 10—ENGINEER’S STATUS DURING CONSTRUCTION**

There are no Supplementary Conditions referring to this Article.

**ARTICLE 11—CHANGES TO THE CONTRACT**

There are no Supplementary Conditions referring to this Article.

**ARTICLE 12—CLAIMS**

There are no Supplementary Conditions referring to this Article.

**ARTICLE 13—COST OF WORK; ALLOWANCES, UNIT PRICE WORK**

13.01 *Cost of the Work*

SC-13.01 Supplement Paragraph 13.01.B.5.c.(2) by adding the following sentence:

When Contractor’s compensation (including the value of Extra Work) is determined in whole or in part by the hourly cost of equipment, the hourly rate shall not exceed the greater of the rate shown in the most current edition of the Rental Rate Blue Book for Construction Equipment, and the AED Green Book: Rental Rates & Specifications for Construction Equipment.

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SC-13.01 Supplement Paragraph 13.01.C.2 by adding the following definition of small tools and hand tools:

- a. For purposes of this paragraph, “small tools and hand tools” means any tool or equipment whose current price if it were purchased new at retail would be less than \$500.

**ARTICLE 14—TESTS AND INSPECTIONS; CORRECTION, REMOVAL, OR ACCEPTANCE OF DEFECTIVE WORK**

There are no Supplementary Conditions referring to this Article.

**ARTICLE 15—PAYMENTS TO CONTRACTOR, SET OFFS; COMPLETIONS; CORRECTION PERIOD**

15.01 *Progress Payments*

SC-15.01 Amend Paragraph 15.01.D.1 to read as follows:

Thirty days after presentation of the Application for Payment to Owner with Engineer’s recommendation, the amount recommended (subject to any Owner set-offs) will become due, and when due will be paid by Owner to Contractor.

15.04 *Partial Use or Occupancy*

SC-15.04 Delete Paragraph 15.04 and insert the following in its place:

15.04 *Partial Use or Occupancy*

A. The Contractor acknowledges the intent of the Owner that all portions of the system are subject to partial use as soon as they are installed and energized by the Contractor, so long as such partial utilization will not damage or hinder the Contractor’s Work.

B. Contractor is fully responsible for protecting the integrity of the portion of the distribution system that is being modified by this Contract, including damage from any cause commencing when on-site work begins on the project and continuing until substantial completion for each section of the project.

C. A line section will be considered substantially complete when all new cables, conductor, apparatus, and connections have been permanently installed and placed in normal service; and all poles, conductor, and apparatus to be removed have been completely removed from the work area, except that poles that have all Owner attachments removed may remain in place.

E. When the Contractor believes that a line section is substantially complete, Contractor shall notify Engineer and Owner in writing and request Engineer to issue a Certificate of Substantial Completion for that portion of the Work.

F. The Contractor’s responsibility for protecting the integrity of that specific portion of the system will cease immediately upon approval by the Owner of the Certificate of Substantial Completion. This does not relieve the Contractor of other obligations related to final completion

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or warranty of Work. Contractor is responsible for coordinating insurance coverage in accordance with Paragraph 6.04 of the General Conditions.

15.06 *Final Payment*

SC-15.06.A Add the following new Paragraph 15.06.A.2.f:

- f. A list of any and all third party claims that the Contractor has received or is otherwise aware of that relate in any manner to the work performed under the Contract (including claims described in Paragraph 5.02.A.2 or 7.13.D of the General Conditions), the status of each claim, and the potential liability related to any claims that have not been settled. Documentation must be provided to verify the resolution of each claim that has been settled.

SC-15.06.E Delete Paragraph 15.06.E and insert the following in its place:

- E. The balance of the amount due, less any sum to which Owner is entitled, including but not limited to set-offs allowed under the provisions of this Contract, and less the potential liability associated with any unresolved third party claims as described in Paragraph SC-15.06.A.2.f, will be paid no earlier than 31 days from final acceptance of the improvements by Owner, subject to the conditions and in accordance with the provisions of Chapter 384 and 573 of the Code of Iowa.
- F. If an amount is withheld from the final payment to cover the potential liability associated with third party claims as described in Paragraph SC-15.06.A.2.f, this amount will be paid within 30 days of Contractor providing evidence satisfactory to Owner and Engineer that all of the claim(s) have been resolved.

15.08 *Correction Period*

SC-15.08 Add the following new Paragraph 15.08.G:

- G. The correction period specified as one year after the date of Substantial Completion in Paragraph 15.08.A of the General Conditions is hereby revised to be the number of years set forth in SC-6.01.B.1.

**ARTICLE 16—SUSPENSION OF WORK AND TERMINATION**

There are no Supplementary Conditions referring to this Article.

**ARTICLE 17—FINAL RESOLUTIONS OF DISPUTES**

17.02 *Arbitration*

SC-17.02 Add the following new paragraph immediately after Paragraph 17.01.

17.02 *Arbitration*

- A. All matters subject to final resolution under this Article will be settled by arbitration administered by the American Arbitration Association in accordance with its Construction

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Industry Arbitration Rules (subject to the conditions and limitations of this Paragraph SC-17.02). Any controversy or claim in the amount of \$100,000 or less will be settled in accordance with the American Arbitration Association's supplemental rules for Fixed Time and Cost Construction Arbitration. This agreement to arbitrate will be specifically enforceable under the prevailing law of any court having jurisdiction.

- B. The demand for arbitration will be filed in writing with the other party to the Contract and with the selected arbitration administrator, and a copy will be sent to Engineer for information. The demand for arbitration will be made within the specific time required in Article 17, or if no specified time is applicable within a reasonable time after the matter in question has arisen, and in no event will any such demand be made after the date when institution of legal or equitable proceedings based on such matter in question would be barred by the applicable statute of limitations.
- C. The arbitrator(s) must be licensed engineers, contractors, attorneys, or construction managers. Hearings will take place pursuant to the standard procedures of the Construction Arbitration Rules that contemplate in-person hearings. The arbitrators will have no authority to award punitive or other damages not measured by the prevailing party's actual damages, except as may be required by statute or the Contract. Any award in an arbitration initiated under this clause will be limited to monetary damages and include no injunction or direction to any party other than the direction to pay a monetary amount.
- D. The Arbitrators will have the authority to allocate the costs of the arbitration process among the parties, but will only have the authority to allocate attorneys' fees if a specific Law or Regulation or this Contract permits them to do so.
- E. The award of the arbitrators must be accompanied by a reasoned written opinion and a concise breakdown of the award. The written opinion will cite the Contract provisions deemed applicable and relied on in making the award.
- F. The parties agree that failure or refusal of a party to pay its required share of the deposits for arbitrator compensation or administrative charges will constitute a waiver by that party to present evidence or cross-examine witness. In such event, the other party shall be required to present evidence and legal argument as the arbitrator(s) may require for the making of an award. Such waiver will not allow for a default judgment against the non-paying party in the absence of evidence presented as provided for above.
- G. No arbitration arising out of or relating to the Contract will include by consolidation, joinder, or in any other manner any other individual or entity (including Engineer, and Engineer's consultants and the officers, directors, partners, agents, employees or consultants of any of them) who is not a party to this Contract unless:
  - 1. the inclusion of such other individual or entity will allow complete relief to be afforded among those who are already parties to the arbitration;

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2. such other individual or entity is substantially involved in a question of law or fact which is common to those who are already parties to the arbitration, and which will arise in such proceedings;
  3. such other individual or entity is subject to arbitration under a contract with either Owner or Contractor, or consents to being joined in the arbitration; and
  4. the consolidation or joinder is in compliance with the arbitration administrator's procedural rules.
- H. The award will be final. Judgment may be entered upon it in any court having jurisdiction thereof, and it will not be subject to modification or appeal, subject to provisions of the Laws and Regulations relating to vacating or modifying an arbitral award.
- I. Except as may be required by Laws or Regulations, neither party nor an arbitrator may disclose the existence, content, or results of any arbitration hereunder without the prior written consent of both parties, with the exception of any disclosure required by Laws and Regulations or the Contract. To the extent any disclosure is allowed pursuant to the exception, the disclosure must be strictly and narrowly limited to maintain confidentiality to the extent possible.

17.03 *Attorneys' Fees*

SC-17.03 Add the following new paragraph immediately after Paragraph 17.02. [Note: If there is no Paragraph 17.02, because neither arbitration nor any other dispute resolution process has been specified here in the Supplementary Conditions, then revise this to state "Add the following new Paragraph immediately after Paragraph 17.01" and revise the numbering accordingly].

17.03 *Attorneys' Fees*

- A. For any matter subject to final resolution under this Article, the prevailing party shall be entitled to an award of its attorneys' fees incurred in the final resolution proceedings, in an equitable amount to be determined in the discretion of the court, arbitrator, arbitration panel, or other arbiter of the matter subject to final resolution, taking into account the parties' initial demand or defense positions in comparison with the final result.

**ARTICLE 18—MISCELLANEOUS**

There are no Supplementary Conditions referring to this Article.

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**EXHIBIT A—SOFTWARE REQUIREMENTS FOR ELECTRONIC DOCUMENT EXCHANGE**

Item	Electronic Documents	Transmittal Means	Data Format	Note (1)
a.1	General communications, transmittal covers, meeting notices and responses to general information requests for which there is no specific prescribed form.	Email	Email	
a.2	Meeting agendas, meeting minutes, RFI's and responses to RFI's, and Contract forms.	Email w/ Attachment	PDF	(2)
a.3	Contractors Submittals (Shop Drawings, "or equal" requests, substitution requests, documentation accompanying Sample submittals and other submittals) to Owner and Engineer, and Owner's and Engineer's responses to Contractor's Submittals, Shop Drawings, correspondence, and Applications for Payment.	Email w/ Attachment	PDF	
a.4	Correspondence; milestone and final version Submittals of reports, layouts, Drawings, maps, calculations and spreadsheets, Specifications, Drawings and other Submittals from Contractor to Owner or Engineer and for responses from Engineer and Owner to Contractor regarding Submittals.	Email w/ Attachment or LFE	PDF	
a.5	Correspondence, reports and Specifications to be submitted to Owner for future word processing use and modification.	Email w/ Attachment or LFE	DOC	
a.6	Spreadsheets and data to be submitted to Owner for future data processing use and modification.	Email w/ Attachment or LFE	EXC	
Notes				
(1)	All exchanges and uses of transmitted data are subject to the appropriate provisions of Contract Documents.			
(2)	Transmittal of written notices is governed by Paragraph 18.01 of the General Conditions.			
Key				
Email	Standard Email formats (.htm, .rtf, or .txt). Do not use stationery formatting or other features that impair legibility of content on screen or in printed copies			
LFE	Agreed upon Large File Exchange method (FTP, CD, DVD, hard drive)			
PDF	Portable Document Format Version 4.1			
DOC	Microsoft® Word .docx format Version <b>2013</b>			
EXC	Microsoft® Excel .xls or .xml format Version <b>2013</b>			

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**Construction Specifications**  
**SECTION 01000 – General Requirements**

1.0 PROJECT DESCRIPTION

1.1 The project Site is located within the city limits of Webster City, Iowa for the City of Webster City, Webster City, Iowa. This project includes furnishing all material (except that to be furnished by Owner), labor, tools, equipment, and other items necessary to complete the entire project as defined by these Contract Documents.

2.0 SCOPE OF WORK

2.1 Bidder shall make his proposal with the understanding that these Drawings and Specifications are intended to cover all of the materials, equipment, and work necessary to complete this project as described, except for those items that are specifically listed as being supplied or completed by Owner or by others. Any intended omissions must be stated by the proposer in writing in his proposal.

2.2 Work generally consists of the following major items of work but is not limited to the items listed below.

- a. Install underground conduit.
- b. Install primary (13 kV) and secondary cable.
- c. Install and connect pad mounted transformers, switchgear, junction cabinets, pedestals, hand holes, and related equipment.
- d. Convert building electrical services from overhead to underground by extending new service lateral conduit and cable to existing meter sockets and removing existing service conductor from conduit between weather head and meter socket.
- e. Remove overhead service drops, conductor, poles, and equipment.
- f. Furnish all material required for the completion of the Work, except that to be supplied by Owner.

2.3 Contractor will furnish all equipment and materials required to complete the Work, except for those items listed on the Bill of Material as being supplied by Owner.

2.4 The Base Bid includes all Work as defined by the Drawings and Specifications. See Article 5 of Section 00520.

2.5 Contractor shall provide as built data for the system as installed. This shall include notations on drawings showing any field changes to footages, equipment locations, or connections.

3.0 WORK BY OWNER OR BY OTHERS

3.1 The following work is not a part of this Contract and will be performed by the Owner or others.



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- a. Installation of new wood poles where required, prior to Contractor installing framing materials and underground cable risers, where shown on drawings or staking sheets.
- b. Installation of cable for street lights into conduit that is installed by Contractor, where shown on drawings or staking sheets.
- c. Removal of wood poles and installation of new poles with street lights, where shown on drawings or staking sheets.
- d. Removal of overhead spans of wire feeding existing street lights, where shown on drawings or staking sheets.

**4.0 SCHEDULE**

- 4.1 Contractor may begin work at any time after receiving a Notice to Proceed. The Notice to Proceed is expected to be issued on or about July 1, 2024. All Work must be substantially completed by November 29, 2025; with Final Completion by December 31, 2025.
- 4.2 All equipment provided by Owner is expected to be available for Contractor's use in meeting the schedule.
- 4.3 Contractor will not be allowed to install conduit or equipment pads during winter weather conditions when frozen ground precludes proper backfill and compaction. Cable and equipment installation that does not involve excavation may continue at the Contractor's option.
- 4.4 No open excavations, conduit stub-ups, or exposed cable ends will be allowed to persist through the winter season. All locations must be backfilled and all barricades removed when excavation work is suspended for the winter.
- 4.5 Work hours in residential areas will be restricted to Monday through Friday, 7:00 AM to 7:00 PM, unless arrangements are made in advance for specific tasks. See Paragraph 18 for scheduling of outages.

**5.0 SEQUENCE OF WORK**

- 5.1 Work sequence is at the discretion of the Contractor, but Contractor must submit a general work plan and schedule for approval by the Owner prior to starting work on the Project.

**6.0 OIL FILLED EQUIPMENT**

- 6.1 Work to be performed under this contract will involve Contractor operations on or around existing oil filled equipment, some of which may contain PCB contaminants.
- 6.2 By submitting a proposal for this Work, Contractor certifies that he is familiar with the Environmental Protection Agency and Department of Transportation regulations

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concerning the handling and transport of oil filled electrical equipment. Furthermore, Contractor accepts responsibility for compliance with these regulations.

- 6.3 Contractor shall inspect all such equipment before commencing operations on or near same. If any equipment is found to be damaged or leaking, Contractor shall, prior to any operations, immediately notify Owner and allow Owner to evaluate the equipment and take such action as Owner may deem appropriate, including but not limited to undertaking removal and/or cleanup operations with its own forces.
- 6.4 In the event Contractor fails to notify Owner in the manner required in the above paragraph, all such damage and/or leakage shall be deemed to have occurred as a result of Contractor's operations, and Contractor shall bear sole responsibility and liability for all claims due to or arising out of such damage and/or leakage, whether they be claims for damage or injury, or claims of any other type whatsoever (including fines).
- 6.5 Should any such equipment become damaged and/or develop oil leakage during performance of the work, Contractor shall immediately notify Owner of such event. Such notice shall specify the location of the equipment, equipment involved, and size and nature of the spill (if any has occurred).

Concurrently, Contractor shall, to the maximum extent possible, contain or minimize the spill (if any), by means such as using oil absorbent materials to soak up any spilled oil or by constructing dikes to prevent the migration of oil and oil-contaminated water. Barricades shall be constructed around the spill area to prevent access by people, animals, or traffic.

Until such time as Owner's representative arrives on the scene, Contractor shall continue to undertake efforts to contain or minimize the spill. Owner will conduct such cleanup as may be necessary. If no spill has occurred, and there is merely damage to the equipment, Owner may either direct Contractor in the appropriate means of disposal, or undertake these efforts itself, at Owner's option. All claims due to or arising out of such damage and/or leakage, whether they be claims for damage or injury, or claims of any other type whatsoever (including fines) shall be the sole responsibility and liability of Contractor.

7.0 STORAGE OF MATERIAL AND EQUIPMENT

- 7.1 Owner will make available space for a construction trailer and limited material storage at 100 East Ohio St.
- 7.2 Owner will make electric service available to Contractor's trailer at Contractor's expense.
- 7.3 Any additional storage space required by the Contractor must be arranged for by Contractor. Security of any additional storage sites is the sole responsibility of Contractor.

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7.4 Storage area shall be subject to approval of Owner.

8.0 MATERIALS

8.1 Contractor is to furnish and pay for all materials necessary for the completion of the Work, except for those items that are listed as being provided by Owner in the Bill of Material or otherwise designated as being provided by Owner. All materials supplied by Contractor shall be new and unused.

8.2 Material provided by Owner will be made available to be picked up by Contractor at the Owner's storeroom.

8.3 Distances shown in the staking sheet or on drawings are estimated and are not guaranteed to be accurate. Distances shown shall not be used by the Contractor for ordering or cutting lengths without field verification. Direction boring, conduit lengths, and cable pulling distances are measured horizontally along the earth surface, and do not include any allowance for elbows and the vertical rise at terminations, nor for variations in cover. Cable lengths include an allowance for vertical rise and terminations.

8.4 If the total length of bored conduit, the amount of cable, or the quantities of equipment actually installed differs from that shown in the Contract Documents an appropriate adjustment will be made in the final Contract Amount.

8.5 The Bill of Material is provided solely as a reference and guide for Contractor. All material (except for those items that are listed as being provided by Owner) and labor that is required to complete the Work as described by the Contract Documents is to be provided by Contractor, regardless of whether or not any specific items are included in the Bill of Material and regardless of the quantities shown.

8.6 It is the responsibility of Contractor to verify all existing conductor information and data before ordering conductor sensitive hardware, including dead end clamps, ties, wraps, connectors, sleeves, lugs, terminals, etc. All hardware must be rated by the manufacturer for use with the specific conductor that it is installed on. It is the responsibility of Contractor to provide an adequate quantity of various lengths of bolts to meet all of the Work requirements. Owner makes no representation as to the actual diameter of existing or new poles, or to the required length of any bolts or other hardware that are indicated on the drawings or bill of material as "various lengths" or "as required".

8.7 Contractor is responsible for supplying Owner with a list of all materials to be supplied for use on the project, complete with manufacturer and catalog number, within one week of the issuing of the Notice to Proceed. All substitutions and "Or-Equal" items shall be identified and presented as described in Paragraph 6.05 of the General Conditions. The

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Costs described in Paragraph 6.05.E. of the General Conditions will not be assessed for evaluation of substitutions that involve standard line hardware manufactured by well known and reputable suppliers.

- 8.8 Owner will determine, as materials are removed, which items are to be designated as scrap and which are to be designated as re-usable or salvageable. The contractor will be responsible for disposing of all junk materials. Owner will dispose of all wire, cables, poles, and conductor.
  - 8.8.1 All removed material (except for junk materials) is to remain property of Owner.
  - 8.8.2 Owner will provide space for Contractor to place a dumpster for junk materials. All disposal fees for junk materials shall be paid for by Contractor. Contractor shall sort all reusable and salvageable material, wire, cables, and conductor as directed by Owner.
  - 8.8.3 Not Used
  - 8.8.4 Not Used.
- 8.9 All material not designated as junk shall remain the property of Owner. Re-usable material is to be sorted by equipment type and category, and stacked or stored neatly in an area to be designated by Owner.
- 8.10 All socket style revenue meters on services to be converted from overhead to underground will be removed and re-installed by Contractor. See Paragraph 16.4 of Section 16402 for additional information.
- 8.11 Concrete and waste dirt or rock is to be loaded, hauled to a site to be designated and provided by Owner, and unloaded by Contractor.
- 8.12 All oil filled equipment, including transformers, are to be returned to Owner, at a location to be designated.
- 8.13 Contractor is responsible for furnishing all required fill dirt and black dirt, loading, hauling, and handling all such materials.

9.0 SITE AND OTHER AREAS

- 9.1 Contractor shall confine his operations to public right-of-way or to existing easements on private lands. Contractor shall cooperate with adjacent home owners and businesses to minimize the interference with normal operations. Contractor will be expected to exhibit reasonable flexibility in working with commercial and industrial customers to maintain access to drives and parking areas, and to accommodate work schedules and specific timing requests. This includes adjusting working hours to allow specific work to be completed either before or after normal hours.

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9.2 Should Contractor elect to enter upon adjacent private lands to perform a portion of the work, he shall make his own arrangements with the property owner. All such agreements shall be reduced to writing and expressly release Owner from any and all liability arising out of Contractor's operations on the property. One copy of each such agreement shall be furnished to Owner before Contractor shall be permitted to enter the property.

10.0 ENERGIZED EQUIPMENT

10.1 Contractor acknowledges that Contractor and Contractor's employees are aware of the potentially dangerous nature of electricity and are qualified to work on and in the vicinity of secondary (600 volt class) and primary (15kV class) electric facilities that have not been de-energized. The existing facilities shall remain in operation and energized at all times except when outages are scheduled on individual circuits. Contractor shall take whatever steps are necessary to protect the existing facilities and maintain them so that they do not interfere with or pose a danger to either the new construction, his operation, Owner's workers, or the general public. The cost of such actions shall be included in Contractor's prices as no separate payment will be made.

10.2 Contractor is to provide labor and equipment to install all grounds required to provide protection for Contractor's work crews.

10.3 In the event the work cannot be performed safely, Contractor shall notify Owner and Engineer, and shall cease work until arrangements are made to proceed safely.

10.4 Contractor shall ensure that only qualified persons are permitted to work on or near energized facilities, and that all applicable standards and regulations are followed, including observance of approach boundaries as specified in NFPA 70E-2021

11.0 STAKING

11.1 Owner's Engineer will provide the staking for this project. The staking or layout will consist of visible markings (stakes, flags or paint marks) in the field which delineate the location of equipment and the underground cable circuit route to be followed by Contractor.

11.2 Contractor will be responsible for the preservation of such layout and will provide all necessary additional detailed layout required to perform the work.

11.3 Should any staking be lost or damaged, it will be replaced upon notification and request by Contractor within a period of one working day after such request. All cost associated with such replacement will be deducted by Owner from amounts due Contractor in the performance of the work.

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- 11.4 Contractor is responsible for obtaining underground locates in advance of the time set for staking in a given area. Contractor is to make available appropriate personnel to work with Owner and Engineer in developing the staking. These personnel must be qualified and authorized to assist in evaluating the preferred location for poles, cable, and pad mounted equipment. All decisions will be made by Engineer, after consideration of the input provided by Contractor.
- 11.5 Any work that is undertaken by Contractor without first arranging for staking will be done solely at the risk of Contractor. Any relocations or other extra work made necessary by failure to arrange for staking shall be done at Contractor's expense. If such extra work requires additional material that is furnished by Owner, the cost of this extra material will be deducted from amounts due Contractor.
- 11.6 The City of Webster City does not locate sewer service laterals nor are they locatable. The depth of these laterals varies by location. Should Contractor believe that a service lateral has been hit, Contractor shall notify Owner immediately. Contractor shall be responsible for damage to sewer service laterals.
- 12.0 UTILIZATION OF EXISTING POLES AND STRUCTURES
- 12.1 Existing poles to be incorporated in the work are designated in the Drawings and/or Staking Sheets.
- 12.2 Contractor will inspect all such poles to ensure the pole is in sufficiently good condition to be worked on safely. The cost for such pole inspection shall be included in Contractor's proposal. Any follow-up work beyond tightening of existing hardware will be treated as extra work.
- 13.0 REMOVAL WORK
- 13.1 Materials and equipment are to be removed as indicated on the drawings and staking sheets. All materials are to be promptly removed from the work Site.
- 13.2 Dead ends in existing conductor are to be installed such that the sag of the existing conductor is not changed appreciably.
- 13.3 Not Used
- 13.4 The entire length of each pole designated for removal shall be removed. The resulting hole shall be completely filled with clean soil and mechanically tamped to a density of at least 95% of its standard proctor density.
- 13.5 Removed poles are to be returned to the Owners designated storage yard.

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13.6 Not Used

13.7 Not Used

13.8 Not Used

13.9 Anchors that are designated for removal shall preferably have the anchor rod removed completely. If this is impractical, the rod shall be cut a minimum of 24” below grade.

13.10 Grounds to be removed shall be completely removed or cut off at least 24” below grade.

13.11 Cables or conduits that are to be abandoned must be removed to and cut at a depth of at least 24” below grade. Where such cables or conduits are enclosed in equipment (such as the compartment of pad mounted transformers) that is to remain in service, the cables or conduits may be cut flush with entrance to the basement or pad.

13.12 Where cable that is designated for removal is installed in conduit, the cable shall be removed from the conduit and the conduit cut off a minimum of 24” below grade.

13.13 Direct buried cable that is designated for removal shall be cut off a minimum of 24” below grade.

14.0 COORDINATION WITH OTHER UTILITIES

14.1 Contractor will be responsible for providing locations of conduits and cables installed by Contractor to other contractors working in the area until such time as the Work on a line section is accepted as Substantially Complete by Owner. See Article 14 of the Supplementary Conditions (00800) for additional information on determining the Substantial Completion status for portions of the project.

15.0 TREE TRIMMING

15.1 Owner will perform all tree and brush trimming activities as needed to facilitate the project. Contractor shall request tree or brush trimming at each specific location at least 48 hours in advance.

16.0 TRAFFIC CONTROL

16.1 Contractor shall furnish and use signs and flagmen as required to protect the traveling public and the Contractor’s personnel. All traffic control measures and devices shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD) as published on the web site of the U.S. Department of Transportation, Federal Highway Administration at <http://mutcd.fhwa.dot.gov>.

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17.0 PERMITS

- 17.1 Contractor is responsible for complying with all City requirements for any required sidewalk or street cuts. The City will work with the Contractor to facilitate inspections.
- 17.2 No other DOT or other governmental construction or inspection permits are expected to be required.
- 17.3 Owner has obtained the required Railroad Permit for installation of conduits and cables under the Chicago, Central, & Pacific Railroad tracks on Maple Ave. (extended) between Willow St. and Hickory St. See Section 16405 of the Construction Specifications. Contractor is responsible for complying with all terms, conditions, and requirements of the permit, including obtaining and maintaining the required insurance coverage, scheduling of railroad flagman, meeting all safety certification requirements, and monitoring top of rail elevations (if bore diameter exceeds 6"). All costs associated with meeting these requirements (including the cost for flagman) shall be included in the Contractor's bid price.

18.0 OUTAGES AND CUSTOMER NOTIFICATIONS

- 18.1 Contractor shall maintain a map of the project area showing the current area of construction and the area where construction is expected over the upcoming two week period. A base map will be provided in PDF and AutoCad format for the contractor's use. The map must be updated each Thursday during all periods when construction activity is planned for the following two week period, and an 8.5" x 11" PDF of the updated map must be submitted to the Engineer by 12:00 Noon on Thursday. This map will be incorporated into the City web site and may be used for other customer communications and notifications. A map of the initial construction area must be prepared and submitted to the Engineer prior to beginning work on the project. No construction work can be started until the Engineer and City has approved the format and content of the initial map.
- 18.2 All customer outages required for the execution of the Work shall be kept to the shortest time duration possible. All customers that will be affected by an outage must be notified by Contractor by either a personal contact or by leaving appropriate notice at the customer's residence or place of business at least 24 hours prior to the start of the outage. This notice must specify the planned starting time and the expected duration of the outage. If the outage is rescheduled for another day, Contractor must provide an additional notification of the new schedule.
- 18.3 Customer outages may generally be scheduled during normal business hours, or if the customer requests, immediately before or after normal business hours. Contractor will be expected to exhibit reasonable flexibility in working with commercial customers to accommodate work schedules and specific timing requests. This includes adjusting working hours to allow outages to be completed either before or after normal hours. If customer requirements dictate that specific work be completed at night or on week-ends,



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the incremental additional cost of this off-hours work will be treated and paid for as an extra, as long as any such work is authorized by Owner prior to it being started.

18.4 Any and all required outages shall be scheduled and coordinated with Owner's representative, well in advance of the expected date of the outage.

19.0 SWITCHING

19.1 All switching required for the prosecution of the Work will be done by Contractor with the prior agreement and permission of Owner. Contractor must notify Owner immediately before and immediately after any switching operations are completed.

END OF SECTION 01000

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1.0 TRENCHING AND EXCAVATIONS

- 1.1 Open trenching will be allowed only at equipment entrance locations, and for trenches that are less than 25 ft end to end. Trenches and equipment installation pits shall be excavated as necessary to maintain the specified cover over the installed cable. If the bottom of the trench contains any rocks or other hard, rough, or sharp materials, the trench shall be over-excavated and backfilled with a 6 inch layer of compacted fine clean dry soil or sand prior to the cable or conduit being laid in place.
- 1.2 The cable route followed by Contractor shall be as shown on the drawings and as staked by Engineer. All trenches shall follow as straight a line as practical. Rock may be removed by any means Contractor prefers, except blasting.
- 1.3 Contractor shall protect all trenches and other excavations from surface water runoff. Any water that has accumulated in the excavation shall be removed and any soft trench bottom removed and replaced prior to the installation of the duct or cables. This includes removal and replacement of sand backfill that has become contaminated with silt, rocks, mud, clay, etc. The removal of water and correction of soft ground conditions due to surface water will be the responsibility of Contractor.
- 1.4 Contractor must protect the public from all trenches and excavations by utilizing suitable barricades or other warning devices.
- 1.5 All existing utilities must be located before any excavation is started. Regardless of other utility contacts, Contractor must notify One-Call of Iowa and Owner at least 48 hours before beginning any work at any particular location.
- 1.6 All open trenches are to be marked with plastic warning tape installed in the trench during backfilling. This tape shall be located approximately 1 foot above the conduit or cable depth. Tape to be 3" wide, red with black letters, marked "Caution – Buried Electric Lines Below", Seton 47586 or equivalent. Contractor shall furnish the warning tape.

2.0 CABLE AND CONDUIT INSTALLATION

- 2.1 Conduits shall be sized as shown on the drawings and staking sheets. Any discrepancies or ambiguous entries must be brought to the attention of the Owner and resolved prior to installation.
- 2.2 The minimum cover over all direct buried cable and conduit shall be as follows, unless shown otherwise on the drawings or staking sheets.
- a. Primary power cable and conduit - 48 inches
  - b. Secondary power cable and conduit – 36 inches
  - c. Service laterals from pedestal or transformer to meter socket – 30"

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- 2.3 Conduits installed by directional boring will be coilable polyethylene electrical plastic duct per NEMA standard TC7-2021 with SDR 13.5 wall thickness. All couplings and fittings required to utilize the conduit shall be supplied by the Contractor. All fittings shall be manufactured for the purpose and installed per the manufacturer's recommendations. If PVC couplings are used with HDPE conduit, the cement must be specifically rated for such use by the manufacturer and must be approved by Owner prior to use.
- 2.4 Conduits installed by open trenching such as short sections of conduit between adjacent equipment or between equipment and riser poles shall be Sch 40 PVC, unless otherwise shown or with agreement of Owner.
- 2.5 The bending radius of installed HDPE must be limited to no less than 10 ft., except that bends of no more than 30 deg for entrance into equipment pads or handholes may have a radius of no less than 5 ft. Tighter bends shall be made with fiberglass elbows cemented to straight sections of HDPE conduit.
- 2.6 Couplings and other fittings must be approved by the Owner prior to installation.
- 2.7 Polyethylene conduit for power cable must be black with red stripe.
- 2.8 Polyethylene conduit for fiber must be orange.
- 2.9 A suitable pulling lubricant shall be used for all cable pulls. The pulling lubricant must be compatible with cable jacket and conduit materials, and must be approved by Owner prior to use. This applies to all cable runs, regardless of length or configuration. Cable must be carefully fed into the duct, with minimum back tension, and using suitable protection to avoid cable damage. Pulling tension must be limited to no more than 50% of the value shown in Table 6 of AEIC Standard CG5-2015. Special care must be taken to avoid damage to duct or elbows where the pulling line exits from the conduit run.
- 2.10 The cable shall be protected at all duct ends with suitable bushings, end bells, or with nylon leader guards. All duct ends that are located below grade shall be sealed with expanding foam.
- 2.11 Cable ends shall be sealed whenever exposed to water or rain using protective caps specifically manufactured for the cable size and type being used. Taping cable ends instead of installing protective end caps is not permissible.
- 2.12 The minimum bending radius of primary underground cable is twelve times the overall diameter of the cable, measured to the inside cable surface in the bend. Contractor shall take special care to avoid damaging cable by excessively sharp bends.

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3.0 TRENCHLESS INSTALLATIONS

- 3.1 Contractor shall install all conduit (except at equipment entrance locations and runs of less than 25 ft) by directional boring using equipment suitable for the conditions. Contractor shall install the bore at the depths as specified in the drawings or staking instructions. Installation by non-directional (non-steerable) boring equipment will not be allowed.
- 3.2 Installation shall be in accordance with all applicable requirements of IEEE Std 1333-1994, IEEE Guide for Installation of Cable Using the Guided Boring Method.
- 3.3 All drilling equipment must be fitted with an operational audible alarm system that will detect the approach of the drill head to an energized conductor. All personnel operating this equipment shall be provided with appropriate safety equipment and operating instructions.
- 3.4 The boring tool head shall be electronically trackable, with the capability for locating the depth and lateral position of the boring tool to within 2 inches at depths up to 12 feet.
- 3.5 Any cutting fluid employed for drilling must be totally inert and pose no environmental risk. The fluid cutting process must maintain bore stability and provide lubrication in order to reduce frictional drag while the conduit or cable is being pulled. A bentonite and water mixture is recommended for use. Voids or air pockets in the soil shall be minimal with no surface subsidence.
- 3.6 Upon completion of boring and conduit installation, Contractor shall remove all spoils from the boring pits and provide for proper disposal. All pits must be backfilled, tamped and restored as required by these specifications.
- 3.7 All conduits along a common run are to be installed in a single bore, with the bore large enough to accommodate all of the conduits to be installed without creating excessive sidewall pressure. The contractor may, with prior permission from the Owner, divide the total number of conduits on specific runs into two bundles to reduce the required back-ream size, but this will not be cause for a change order or for any claim for extra costs.

4.0 BACKFILL AND TAMPING

- 4.1 Backfill for trench or other excavation shall be mechanically tamped earth containing no stones, debris, organic or foreign material, in at least three separate lifts. Each lift shall be tamped before additional backfill is applied to a density of at least 90% of its standard proctor density.
- 4.2 Backfill under existing utilities shall comply with the requirements of the utility involved. All backfill, infill and fill materials shall be free of rocks.
- 4.3 Contractor shall be responsible for furnishing all required fill dirt and black dirt, loading, hauling, and handling all such materials. Contractor shall dispose of any unsuitable fill material.

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5.0 UNDERGROUND CABLE TAGGING

- 5.1 The ends of all primary, and secondary cables must be tagged by Contractor with information designating their other end. This applies to both new cable that is being installed under this Contract and to existing cable that is being re-connected. Each primary cable shall be individually marked. Secondary circuits shall be marked with one tag per circuit.
- 5.2 All enclosed cables are to be tagged with printable polymer flat cable markers supplied by the Contractor. Cable tags shall be TE Connectivity type CM-SCE-TP-1/2-4H-9 or equivalent, secured to cables with plastic ty-wraps. Printing shall be black on white background.
- 5.3 Cables that are exposed on riser poles shall be marked with a 3" diameter brass tag, attached to the cable with a length of stainless steel wire. The tag shall be embossed using a stamping set to create letters and numbers approximately 3/16" high. All tags, tie wires, and the required embossing stamp are to be supplied by Contractor.
- 5.4 All tags shall be marked in accordance with the following instructions. Additional details will be provided prior to construction.
- a. The type of the equipment or facility at the other end of the cable.
  - b. The location or address of the equipment or facility where the other end of the cable terminates, including the house number and the street name (abbreviated if necessary).
  - c. Each primary cable tag must indicate the phase of that cable. In addition, each primary cable in switchgear or three phase transformers must have the phase indicated by colored tape wrapped near the termination or elbow. Colors will be specified by Owner prior to installation.
- 5.5 Contractor shall report to Engineer any discrepancies found in the field with respect to drawings of the underground system and/or existing cable markings. Any such discrepancies that are identified shall be corrected, and new cable tags installed as necessary.

6.0 CABLE SPLICING AND TERMINATING

- 6.1 All primary and secondary splices shall be made with the materials specified and installed per the manufacturer's instructions and recommendations. No taped splices will be permitted. Engineer reserves the right to inspect all splices before they are covered or concealed, and Contractor shall give sufficient notice to Engineer to allow such inspections. Contractor shall promptly correct any reported deficiencies to the satisfaction of Engineer.

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- 6.2 All primary splices and terminators are to be installed by carefully following the instructions of the device manufacturer. The cable preparation and device installation shall be done by workmen who are trained and experienced in such work. Special care must be taken to observe the existing installations and to comply with practices that have been standardized throughout the existing system. Any questions regarding preferred practices should be directed to the Owner before beginning work.
- 6.3 Before installing any primary cable splice or termination, the cables to be spliced shall be verified by inspection and by measurement with a diameter measuring tape for the following.
- a. The conductors match the acceptable sizes and types as stamped on the compression sleeve or terminal lug.
  - b. The diameter over the insulation is within the acceptable range of diameters for the splice or terminator body or adapter being used.
- 6.4 The cable neutral shall be grounded at each end of each cable run and at all splices. The cable jacket shall be sealed against moisture ingress at all openings.
- 6.5 A scrap primary cable end shall be prepared for splicing (this includes cable preparation only, no splice or termination shall be installed) by each workman who will be responsible for installing terminations or splices, and presented to Engineer for approval before installing any splices or terminations. No worker shall prepare primary cable for termination or splicing unless that worker has received Engineer's approval of a sample cable preparation. Such approval of a sample by Engineer does not relieve Contractor of any responsibility for the proper preparation of cable ends or the proper installation of terminations or splices.
- 6.6 All existing primary cables to be reused shall be inspected by Contractor for neutral corrosion or other damage or deterioration. If any existing cable is found to be damaged or deteriorated, Engineer shall be notified before proceeding with splicing. Engineer will determine if the cable is suitable for continued service or if it must be replaced. Any such replacement or other additional work caused or necessitated by the as-found condition of the cable will be treated as extra work. Cables must be exposed and inspected sufficiently ahead of scheduled outages to allow time for possible cable replacement or other additional work.
- 6.7 Secondary cable splices, taps, and terminations in pedestals shall be made using set screw type covered connectors. Cables shall be stripped to the length specified by the connector manufacturer. Connections shall be tightened to the torque value specified by the connector manufacturer.
- 6.8 Direct buried secondary splices and splices in handholes shall be made using compression sleeves and cold shrink covers. Compression sleeves shall be rated for use on the conductors being spliced, and shall be installed in strict accordance with the manufacturer's directions. The diameter of the cables and the compression sleeve shall be verified as suitable for the splice

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cover being used. Cables shall be clean and free of dirt and moisture before being spliced and covered.

- 6.9 Direct buried street light cable (UF) splices shall be made with a 3M Type UF1 or equivalent splice kit.

7.0 EQUIPMENT BASES

- 7.1 Contractor shall install a new pre-molded fiberglass box pad for each new pad mounted single phase transformer and all switchgear. These pads shall be installed in accordance with the applicable details shown on the Drawings. The pad base must be set on a minimum 4" thick bed of crushed rock (rock to be supplied by Contractor). Conduit entries must be placed to facilitate cable pulling.

- 7.2 Junction cabinets shall be installed in accordance with the applicable details shown on the Drawings and in the manufacturer's instructions. The base must be set on a minimum 4" thick bed of crushed rock (rock to be supplied by Contractor). Conduit entries must be placed to facilitate cable pulling.

- 7.3 Not Used

8.0 TRANSFORMERS

- 8.1 Owner will supply all pad-mounted transformers to be used in the Work. Contractor shall install and connect each transformer in accordance with the appropriate drawings and specifications.

- 8.2 The Owner will provide identification stickers with Owner's name and telephone number to Contractor for installation on all pad-mounted transformers. Stickers to be installed at locations and in the manner directed by Owner.

- 8.3 All new single phase pad mounted transformers will be rated 7620 volt, with two loop feed primary bushings connected to the H<sub>1</sub> terminal of the primary winding, and the H<sub>2</sub> terminal solidly grounded to the transformer tank. The X0 bushing is grounded to the transformer tank by a removable ground strap. Contractor shall verify that the X0 ground strap is solidly connected on all transformers, except for transformers making up an open delta bank.

- 8.4 Not Used

- 8.5 Primary cables in pad mounted transformers are to be terminated with load break elbows. Sufficient slack shall be left in the cable and in the concentric neutral connections to allow free operation of the elbows. Sufficient excess cable shall be left in the basement of each single phase transformer to allow either primary cable to be re-terminated once without splicing. Cables must be trained as directed by the Owner.

**WEBSTER CITY**  
**East Side Conversion Project**  
**City Project No. 9-22-006**  
**Construction Specifications**  
**Section 16402 – Underground Construction**

- 8.6 Grounding connections shall be made as indicated on the drawings. All factory installed bonding jumpers must remain in place. Concentric neutral tails are to be connected to the ground wire as shown on the drawings using copper compression connectors, leaving sufficient slack for normal cable operations.
- 8.7 Secondary connections in all single phase transformers are to be made with set screw type secondary connectors installed on threaded studs on the transformer. All set screw type terminations shall be torqued to the value recommended by the connector manufacturer.
- 8.8 Contractor shall inspect all externally removable transformer fuses, and verify the correct size fuse based on the transformer size and primary voltage rating using information supplied by the transformer manufacturer or by the Engineer.
- 8.9 All equipment shall be set squarely on the pad and shall be securely clipped and bolted to the pad. Notify Owner if any appreciable gap exists between the pad and the equipment.
- 8.10 At normally open points, a surge arrestor (supplied by Owner) shall be installed on the H1B bushing on single phase transformers, and on the H1B, H2B, and H3B bushings on three phase transformers.
- 9.0 SWITCHGEAR
- 9.1 Owner will supply all pad-mounted switchgear to be used in the Work. Contractor shall install and connect each piece of equipment in accordance with the appropriate drawings and specifications.
- 9.2 All equipment shall be set squarely on the pad and shall be securely clipped and bolted to the pad. Notify Owner if any appreciable gap exists between the pad and the equipment.
- 9.3 Grounding connections shall be made as indicated on the drawings. Concentric neutral tails are to be connected to the ground wire as shown on the drawings using copper compression connectors, leaving sufficient slack for normal cable operations.
- 9.4 Primary (13 kV) cables in pad mounted equipment are to be terminated with 200 amp load break or 600 amp dead break elbows (as appropriate). Slack cable is to be coiled in the basement pad as shown on the drawings.
- 9.5 The Owner will provide identification stickers with Owner's name and telephone number to Contractor for installation on all pad-mounted switchgear. Stickers to be installed at locations and in the manner directed by Owner.

10.0 OTHER EQUIPMENT



**WEBSTER CITY**  
**East Side Conversion Project**  
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10.1 Junction cabinets will be supplied by the Owner and installed by the Contractor as shown on the drawings.

10.2 The Owner will provide identification stickers with Owner's name and telephone number to Contractor for installation on all pad-mounted equipment. Stickers to be installed at locations and in the manner directed by Owner.

11.0 LINE ENERGIZING AND TESTING

11.1 Contractor shall be responsible for testing, initial phasing and energizing all line sections and shall make any changes which said tests show to be necessary to fully meet the requirements of the Specifications.

11.2 All new primary cables shall be megger tested at 2500 volts (phase to neutral) after all splicing and terminating is completed, and prior to energizing. Cables must be isolated from transformers and surge arresters. Voltage must be applied for a minimum of 60 seconds. Acceptance criteria is a minimum insulation resistance of 1,000 Megohms, with stable or increasing resistance at the end of the test period.

11.3 Phasing shall be verified before making parallel between circuits fed from different sources, and at each normally open switch point (including the open point of all loops), confirming by voltage measurement at the open that the same phase is present on each side of the switch or parked elbow.

12.0 FUSING

12.1 Contractor shall install fuses as shown on the drawings and staking instructions, or in other information provided by Owner.

13.0 NOT USED

14.0 RESTORATION

14.1 Except as specifically allowed by other portions of the Contract Documents, all grade surfaces that are disturbed shall be restored to essentially original condition.

14.2 Grass areas shall be dressed with black dirt and seeded with a blue-grass/annual rye grass seed. Arrangements shall be made by the Contractor to water and protect all seeded areas until a well-developed stand of grass is present.

14.3 Hard surfaced areas shall be saw cut or broken out to an existing joint. All backfill under hard surfaced areas shall be compacted to a minimum of 95% of its Standard Proctor Density. The surfacing shall be replaced by the Contractor to match the existing.

**WEBSTER CITY**  
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- 14.4 All excavated areas, including the area surrounding equipment and bell holes, are to be thoroughly compacted in accordance with these Specifications before surface restoration. Any significant settlement that occurs within one (1) year from the date of final acceptance of the Work will be considered to be conclusive evidence of Contractor's failure to provide proper compaction. The Contractor will be obligated to correct any such settlement by compacting the settled area, topping the area with black dirt, re-dressing the area, and reseeding in accordance with paragraph 14.2.
- 14.5 If streets are core drilled to locate existing utilities, repairs must be in accordance with City construction and inspection requirements. The evacuated hole must be filled with a thoroughly compacted granular fill to the bottom of the existing pavement material, then filled to the street surface with a 4000 psi concrete mix (Quikrete Product 1101 or equivalent).
- 15.0 REMOVAL WORK
- 15.1 See Paragraph 13.0 of Section 01000.
- 15.2 Cables that are removed from conduit will not be reused.
- 16.0 SERVICE RECONNECTIONS
- 16.1 The Contractor shall convert existing overhead service entrances to underground where indicated on the drawings, as follows. This applies only to locations where the existing meter socket is suitable for conversion to an underground service.
- a. Install service lateral conduit to location of existing meter socket.
  - b. Install a schedule 80 PVC conduit riser from below grade to the existing meter socket, connected to the service lateral conduit with a length of flexible PVC. Contractor is to ensure that sufficient slack is left at the bottom of the riser conduit to allow for settlement and frost movement.
  - c. Disconnect existing service entrance conductor from line side of meter socket and remove conductors from the meter socket to the weather head. Existing conduit is not to be disturbed.
  - d. Install and connect new service lateral conductors as shown on drawings and staking sheets.
  - e. Remove the existing overhead service drop.
  - f. Notify the Owner immediately if any defects or discrepancies are discovered in meter sockets, or if a meter socket cannot be converted to underground feed due to lack of conduit entrance location, wire training or bending space, or any other reason.
- 16.2 The Contractor shall convert additional existing overhead service entrances to underground where identified in a Work Change Directive or Contract Change Order. Any such additions will

**WEBSTER CITY**  
**East Side Conversion Project**  
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be at locations where the existing meter socket is NOT suitable for conversion to an underground service.

- a. The following work will be performed by Others. Contractor will coordinate their work as required to facilitate cutover to the new meter socket.
  - (1) Installation of a new meter socket suitable for connection of an underground service, and all work on the load side of the new meter socket.
  - (2) Removal of existing meter socket, existing service entrance conductors and conduit from weather head to the meter socket, and all work on the load side of the existing meter socket.
- b. Contractor shall install service lateral conduit to the location of the new meter socket.
- c. Install a schedule 80 PVC conduit riser from below grade to the new meter socket, connected to the service lateral conduit with a length of flexible PVC. Contractor is to ensure that sufficient slack is left at the bottom of the riser conduit to allow for settlement and frost movement.
- d. Install and connect new service lateral conductors as shown on drawings and staking sheets.
- e. Remove the existing overhead service drop that supplied the existing meter socket.

16.3 Service lateral and meter riser conduits shall be sized according to the following table.

<u>Conductor</u>	<u>Conduit Size</u>
4/0 TX	2"
350 kcmil TX	3"

16.4 The Contractor will remove and re-install revenue (kWhr) meters at services being converted to underground where the existing meter socket will be re-used. The Owner will provide meter seals to be installed by the Contractor when the meter is re-installed. Where a new meter socket must be installed to facilitate conversion to underground, Owner will provide and install a new meter in the new meter socket, and will remove the existing meter after the homeowner has completed all premise wiring.

End of Section 16402



CN System Engineering

Noel Paulson  
Design and Construction  
Field Engineer  
1625 Depot St  
Stevens Point, WI 54481  
T 715-345-2515

December 15, 2022

Adam Dickinson  
Electric Superintendent  
City of Webster City  
400 Second Street, P.O. Box 217  
Webster City, IA 50595

Subject: P-11916: Chicago, Central & Pacific Railroad Company, WATERLOO Subdivision, MP 354.59 - 354.59

CN Engineering Design & Construction has reviewed the request for the installation of four (4) 2" HDPE SDR-11 conduits, two of which will contain a 8.0kV power wire and the remaining two will be left vacant for future use. There are no engineering objections provided the following occurs:

- 1.) CN Utility Locate Required.
- 2.) CN's operations are not to be impaired or effected by any of the described work.
- 3.) A flagman, railroad representative is to be present during any and all work on, over, under or near railroad property.
- 4.) All employees of contractors not hired by CN that will work on, over, under or near CN property are required to have, at a minimum, safety certification with [www.contractororientation.com](http://www.contractororientation.com) and the railroad representative will be responsible for verifying and documenting said certifications.
- 5.) Installer must monitor top of rail elevations via daily surveying for borings greater than 6 in. in size and that occur under CN tracks. A log of top of rail elevations may be requested at any time throughout the duration work.
- 6.) Any work that involves temporary traffic control plans or railroad grade crossings should follow the requirements of the current edition of MUTCD Section 8A.08 Temporary Traffic Control Zones and MUTCD Section 6. Traffic plan to be presented and discussed with Railroad Flagman / Railroad representative during every briefing.



CN System Engineering

Noel Paulson  
Design and Construction  
Field Engineer  
1625 Depot St  
Stevens Point, WI 54481  
T 715-345-2515

This letter shall be valid for a period of two (2) years from the date herein. If the work has not been completed by then, the application will need to be reviewed again to ensure it is in accordance with all applicable regulatory requirements and standards.

Sincerely,

Noel Paulson  
CN Field Engineer



## UTILITY CROSSING AND / OR ENCROACHMENT

Date: 12/15/2022 Facility Owner: City of Webster City  
 Document No.: P-11916 400 Second Street, P.O. Box 217  
 Work Order No.: \_\_\_\_\_ Webster City, IA 50595  
 Location: Oak Ave \_\_\_\_\_  
 Road; Street; Avenue \_\_\_\_\_  
 \_\_\_\_\_ 1/4, \_\_\_\_\_ 1/4, Section \_\_\_\_\_, T \_\_\_\_\_, R \_\_\_\_\_ Telephone No.: 515-297-1307  
 City of: Webster City Fax No.: \_\_\_\_\_  
 County: Hamilton State: IA 24 Hr. Emergency No.: \_\_\_\_\_  
 Line Segment: \_\_\_\_\_ Milepost: 354.59 Attention: Adam Dickinson  
 Survey Station: Waterloo sub

This is not valid unless it indicates that Chicago, Central & Pacific Railroad Company, has received all the information requested. If any of the boxes are checked that information must be provided before the project is approved and valid.

### CHECKLIST

It appears that your notification is deficient in the following aspects: (When returning information checked in the boxes please refer to the document number.)

- Before the construction can begin we must receive a certificate of insurance from the contractor/facility owner. The limits are as follows:
  - (a) Statutory Workers' compensation and Employer's Liability insurance.
  - (b) Automobile Liability in an amount not less than \$1,000,000 combined single limit.
  - (c) Comprehensive General Liability in an amount not less than \$5,000,000 combined single limit. In the event the policy is a Claims Made policy, coverage shall include an aggregate of \$10,000,000.

Before commencing work the contractor shall provide and maintain the following insurance, in form and amount and with companies satisfactory to, and as approved by, the RAILROAD.

- (a) Statutory Worker's Compensation and Employer's Liability insurance.
- (b) Automobile Liability in an amount not less than \$1,000,000 combined single limit.
- (c) An occurrence from RAILROAD Protective Policy with limits of not less than \$5,000,000 per occurrence for Bodily Injury Liability, Property Damage Liability and Physical Damage to Property, with \$10,000,000 aggregate for the term of the policy with respect to Bodily Injury, Liability, Property Damage Liability and Physical Damage to Property.

### BOTH POLICIES MUST NAME:

Chicago, Central & Pacific Railroad Company  
 Attn: Joseph Wojcik  
 17641 S Ashland Ave.  
 Homewood, IL. 60430  
 Reference Document No. P-11916 or Work Order No: \_\_\_\_\_

as the insured, and shall provide for not less than ten (10) days prior written notice to the Railroad as cancellation of, or any materials change, in the policy.

- Please complete and return the enclosed application form.
- This notification is not subject to the rules adopted pursuant to Chapter 42 of the Iowa Administrative Code. All of the items marked below must be resolved before the Railroad will begin processing your submittals as satisfactory notification. Please send the requested information to:

Chicago, Central & Pacific Railroad Company  
 Joseph Wojcik  
 17641 S Ashland Ave.  
 Homewood, IL. 60430  
 Telephone No: 708-332-4739

Notification does not include:

- A legible scaled drawing.
- A legible detailed cross section.
- Legal description.
- An emergency contact and telephone number as required by Chapter 42
- Who will perform construction (e.g. internal labor, contractor)?
- The owner of the proposed facility. PLEASE PROVIDE THE NAME, ADDRESS, TELEPHONE NUMBER AND CONTACT PERSON FOR THE OWNER OF THE FACILITY.
- Description of materials involved. (e.g. type of wire, cable, pipe crossing) – four (4) 2" HDPE SDR-11 conduits, two of which will contain a 8.0kV power wire and the remaining two will be left vacant for future use.
- Type and size of facility.
- Because of the lack of data submitted with your notification, or your specifications do not meet railroad construction requirements; the railroad does not accept it as meeting the requirements of notification. Your notification will be complete upon receipt of the information requested and the required documents will be processed. Any attempt to construct before the documents are prepared and executed, will be viewed as trespassing and the construction will be halted and \_\_\_\_\_ (Consultant/Contractor) and \_\_\_\_\_ (Facility Owner) will be prosecuted to the fullest extent of the law.**
- A deposit is required to begin permit processing. (paid)
- Please provide vicinity map showing cross streets and the location of the project.
- Profile of crossing.
- Is this being installed at an existing public road crossing?
- The casing shall extend a minimum of the entire width of Railroad right of way. In addition, the casing pipe shall be a minimum of 5'6" below the track and extend a minimum of 3' beyond the toe or top of a slope or ditch and must be sealed.
- A steel casing pipe with an E-80 loading capacity is required for installation of a PVC or PLASTIC CONDUIT. The casing pipe must be bored and jacked with a minimum depth of 5.5' from the bottom of the rail to the top of the casing and shall extend the entire width of the Railroad right of way. In addition, the casing pipe shall be sealed and vented on each side of the tracks outside of the railroad right of way line (see enclosed specifications).
- The tracks have been removed but the right of way is still owned by Chicago, Central & Pacific Railroad Company and construction is required as though rails are still there.
- Road right of way width of Oak Ave.
- Construction is not permitted until both parties agree procedures and all fees are paid.
- You are proposing to directionally bore a \_\_\_\_\_ " natural gas main without a casing pipe, Chicago, Central & Pacific Railroad Company requires that any uncased gas mains be installed in accordance with Part 5, Section 5.2 of the American Railway Engineering and Maintenance Associations Manual for Railway Engineering.
- You must CALL Chicago, Central & Pacific Railroad Company Five (5) working days prior to construction.
- PER CHAPTER 42 YOU ARE REQUIRED TO PROVIDE THE RAILROAD NOTICE OF CONSTRUCTION A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO CONSTRUCTION. NOTE: CHICAGO, CENTRAL & PACIFIC RAILROAD COMPANY IS NOT ASSOCIATED WITH DIGGERS / JULIE / MISS DIG / GOLPHER ON CALL.
- Signal Wire Location
- Flagger

Signal Wire Location & Railroad Flagger:  
Chicago, Central & Pacific Railroad Company  
**Flagging-US**  
**17641 South Ashland Ave.**  
**Homewood, IL 60430**  
[US\\_Flagging@CN.CA](mailto:US_Flagging@CN.CA)

[www.cn.ca](http://www.cn.ca)

Nov. 17, 2022

Mr. Joseph Wojcik  
Canadian National Railroad  
17641 S. Ashland Ave.  
Homewood, IL 60430

Dear Mr. Wojcik:

Enclosed please find six copies of a completed application and supporting documents, along with a check for the application fee of \$1,350.00 for a proposed underground electric power cable crossing in Webster City, Iowa. The crossing will be installed, owned, and operated by the City of Webster City, Iowa.

A certificate of insurance from the City's insurance company to cover the proposed crossing is also enclosed.

Please review and let me know if you have any questions or if you need any additional information.

Sincerely,



Allan Powers, P.E.

cc: Mr. Adam Dickinson, Webster City  
Ms. Dedra Nerland, Webster City  
Ms. Biridiana Bishop, Webster City





# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
10/18/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certification does not confer rights to the certificate holder in lieu of such endorsement(s).

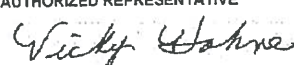
<b>PRODUCER</b> Town & Country Insurance 409 Second Street PO Box 877 Webster City, IA 50595	<b>CONTACT NAME:</b> PHONE (A/C, No, Ext): (515) 832-3787 E-MAIL ADDRESS: WCmail@TCins.com FAX (A/C, No): (515) 832-6604
	<b>INSURER(S) AFFORDING COVERAGE</b> INSURER A: EMC-Employers Mutual Casualty Company-A1101 INSURER B: EMCASCO-EMC INSURER C: INSURER D: INSURER E: INSURER F:
<b>INSURED</b> City of Webster City 400 2nd St PO Box 217 Webster City, IA 50595-0217	NAIC # 21407

**COVERAGES**                      **CERTIFICATE NUMBER:**                      **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER: <b>General Aggregate</b>	X	X	9D51450	4/1/2022	4/1/2023	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea.occurrence) \$ 300,000 MED EXP (An/ one person) \$ 5,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMP/OP AGG \$ 4,000,000
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			9E51450	4/1/2022	4/1/2023	COMBINED SINGLE LIMIT (Ea. accident) \$ 2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB DED <input checked="" type="checkbox"/> RETENTION \$ 10,000 <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE			9J51450	4/1/2022	4/1/2023	EACH OCCURRENCE \$ 8,000,000 AGGREGATE \$ 8,000,000
A	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> If yes, describe under DESCRIPTION OF OPERATIONS below		Y/N N/A	9H51450	4/1/2022	4/1/2023	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) Certificate holder is shown as an additional Insured on the General Liability with a waiver of right of subrogation. The policies provide for not less than ten (10) days prior written notice to the certificate holder of cancellation of or any material change in the policies.

<b>CERTIFICATE HOLDER</b>  Chicago, Central & Pacific Railroad Company and its Parents Attn: Nicholas Burwell 1006 East Fourth Street Waterloo, IA 50703	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
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**INITIAL NOTIFICATION OF INTENT TO CONSTRUCT UTILITY CROSSING/ENCROACHMENT**

Complete this form and return it along with a non-refundable preparation fee of \$1350 made out to CN.

Date: Dec. 8, 2022

**1. Owner/Applicant Information**

A. Name: City of Webster City

B. Address: 400 Second St., P.O. Box 217, Webster City, IA 50595

C. Authorized Representative: Adam Dickinson

D. Title: Electric Superintendent

E. Phone Number: 515-297-1307 F. Fax Number: 515-832-9153

G. Email Address: adam@webstercity.com

**2. Engineer/Consultant Information**

A. Name: P & E Engineering Co.

B. Address: 500 SW 7th St., Ste 100, Des Moines, IA 50309

C. Authorized Representative: Al Powers

D. Title: Engineer

E. Phone Number: 515-979-7496 F. Fax Number: None

G. Email Address: arpowers@peengr.com

**3. Location Description (Attach a Copy of a Sketch Showing Location)**

A. See Note ¼ See Note ¼ Sec. 6 & 33, Township 88N, Range 25W  
SE1/4-SW1/4 SEC 33-88-25, NE1/4-NW1/4 SEC 6-88-25, AND NW1/4-NE1/4 SEC 6-88-25 (See Dwg E9848-603)

B. Nearest Public Road Crossing Name: Oak Ave

C. Nearest Public Road Crossing DOT Number: 3 0 7 3 3 2 W  
(Number on Blue Sign at Crossing, e.g. 123456L)

D. City Village /Township: Webster City  
(Circle One)

E. County: Hamilton F. State: Iowa

G. Utility Location – Railroad Mile Post: 354 plus 3,157 ft  
(Start Railroad Mile Post of Segment if Longitudinal)

H. Utility Location – Railroad Mile Post: \_\_\_\_\_ plus \_\_\_\_\_ ft  
(End Railroad Mile Post of Segment if Longitudinal)

I. Latitude: 4 7 . 4 7 1 3 9 2 °, Longitude: 9 3 . 8 0 6 0 8 3 °

Al Powers  515-979-7496 Dec. 8, 2022  
Name of Submitter Signature Telephone # Date  
Signature.tif



**INITIAL NOTIFICATION OF INTENT TO CONSTRUCT PIPE CROSSING/ENCROACHMENT  
PIPE CONSTRUCTION INFORMATION**

**8. Commodity to be transmitted in pipe:** Electricity  
*(Steam, air, water, gasoline or other petroleum products, chemical-specify: natural or artificial gas. If sewer, identify as to force or gravity line, sanitary, storm or chemical waste – specify)*

**9. Pipe Data**

	CARRIER PIPE	CASING PIPE
A. Inside Diameter:	<u>N/A</u>	<u>1.943"</u>
B. Outside Diameter:	<u></u>	<u>2.375"</u>
C. Wall Thickness:	<u></u>	<u>0.216"</u>
D. Pipe Material:	<u></u>	<u>HDPE</u>
E. Specification/Grade or class:	<u></u>	<u>SDR11</u>
F. Min. Yield Point of Material	<u></u>	<u>1,853 lb (3,000 psi)</u>
G. Process of Manufacture	<u></u>	<u>Extruded</u>
H. Name of Manufacturer	<u></u>	<u>Dura-Line or Equiv</u>
I. Type of Joint	<u></u>	<u>None</u>
J. Working Pressure	<u></u>	<u>N/A</u>
K. Maximum operating pressure (by gauge)	<u></u>	<u>N/A</u> psi
L. Length of Casing pipe:	<u></u>	<u>100</u> ft
M. Casing pipe/uncased carrier pipe cathodically protected?	<u></u>	<u>Y / <input checked="" type="radio"/> N</u>
N. Hydrostatic pressure carrier pipe test pressure	<u></u>	<u>N/A</u> psi
O. Will casing pipe be vented?	<u></u>	<u>Y / <input checked="" type="radio"/> N</u>
P. Pipe Vent Size:	<u></u>	<u>N/A</u> in
Q. Will casing pipe/uncased carrier pipe have a protective coating?	<u></u>	<u>Y / <input checked="" type="radio"/> N</u>
R. Protective Coating Type	<u></u>	<u>N/A</u>
S. Depth of top of casing or uncased carrier pipe below base of rail or top of ground. (Closest point of utility to any base of rail or ground)	<u></u>	<u>5</u> ft See Elevation Dwg
T. Method of installing casing pipe /uncased carrier pipe <i>(Dry bore &amp; jack, directional, tunnel, other – specify)</i>	<u></u>	<u>Horizontal Directional Boring</u>
U. Depth of pipe below the ground. (not beneath tracks)	<u></u>	<u>5</u> ft
V. Depth of pipe below ditches.	<u></u>	<u>N/A</u> ft
W. Distance from centerline of track to face of jacking/receiving pits.	<u></u>	<u>&gt; 80 Ft (Outside of RR ROW)</u> ft
X. Depth from base of rail to bottom of jacking /receiving pits.	<u></u>	<u>N/A</u> ft

AI Powers

*Allan Powers*

515-979-7496

Nov. 14, 2022

Name of Submitter

Signature

Telephone #

Date

# WEBSTER CITY 2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT

## RAILROAD PERMIT APPLICATION

UTILITY OWNER  
CITY OF WEBSTER CITY, IOWA  
400 SECOND ST.  
P.O. BOX 217  
WEBSTER CITY, IA 50595  
MR. ADAM DICKINSON  
515-297-1307  
adam@webstercity.com

ENGINEER  
P&E ENGINEERING CO.  
500 SW 7th ST., SUITE 100  
DES MOINES, IA 50309  
MR. AL POWERS  
515-979-7496  
arpowers@pengr.com

Construction and maintenance to be in  
accordance with all applicable  
regulatory requirements and standards.

LICENSED PROFESSIONAL ENGINEER

ALLAN  
R.  
POWERS  
7248

IOWA

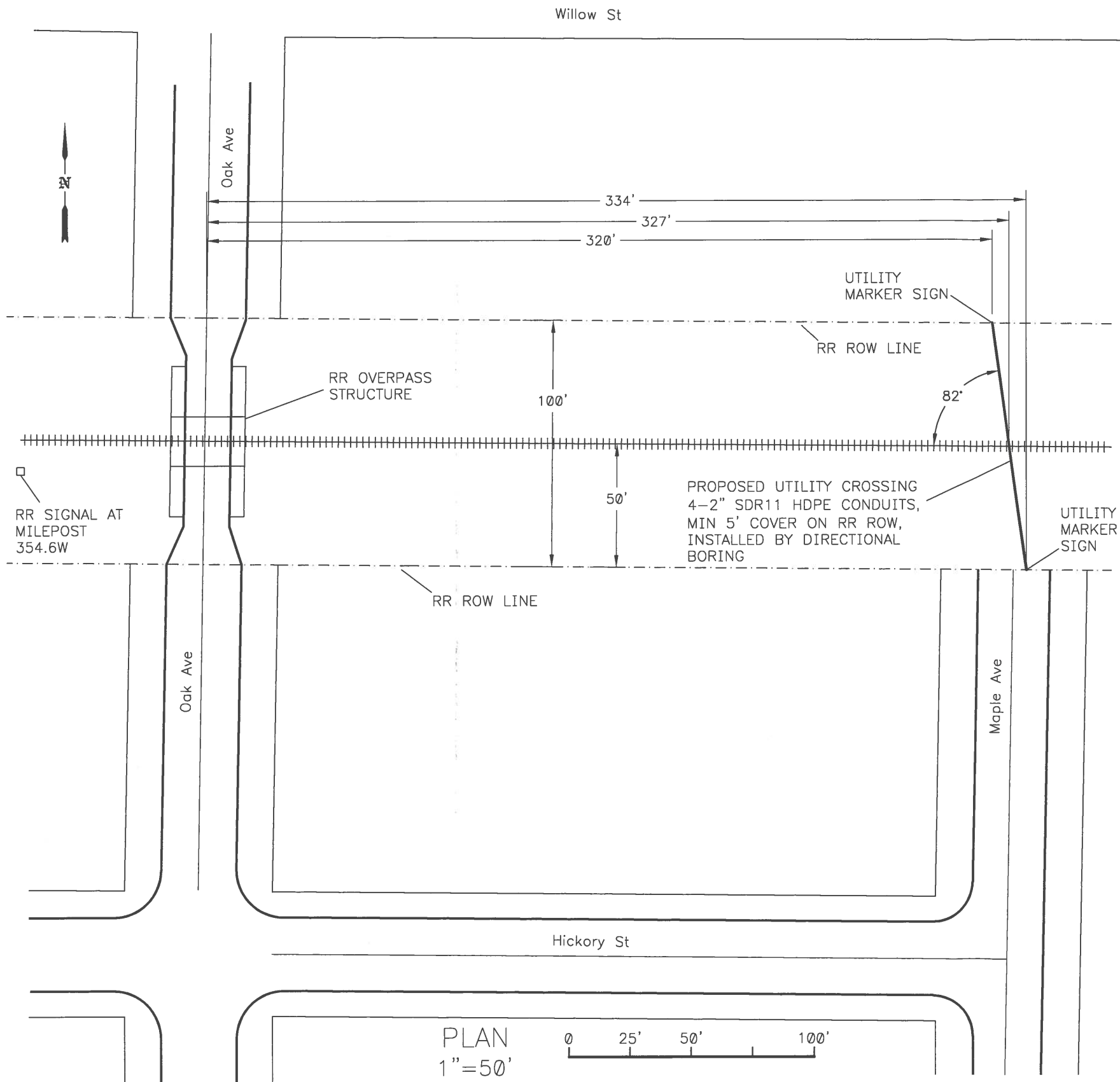
I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

*Allan R. Powers* (signature) \_\_\_\_\_ (date)

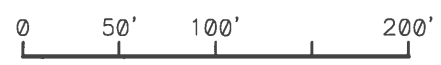
ALLAN R. POWERS, IOWA REG. NO. 07248  
MY LICENSE RENEWAL DATE IS DECEMBER 31, 2022  
PAGES OR SHEETS COVERED BY THIS SEAL:

Pages E9848-600, -601, -602, and -603

<p><b>P &amp; E ENGINEERING CO.</b> POWER SYSTEM ANALYSIS AND DESIGN 245 S. 5th P.O. Box 620 Corlisle, IA 50047 Office: 515-989-3083 FAX: 515-989-3138 pengr@pengr.com</p>		REV	DESCRIPTION	DESG	DFTR	APPR	DATE	INCEPTION	<p><b>ISSUED FOR PERMIT</b></p>	<p>WEBSTER CITY 2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT</p>	<p>MODULE NUMBER: N/A</p>
		A	ISSUED FOR PERMIT	P&E	P&E	ARP	11-14-2022	DATE 11-14-2022		DESG P&E	DFTR P&E
<p style="color: red; font-weight: bold;">245 of 506</p> <p style="color: red; font-weight: bold;">16405-10</p>									<p>REV A DWG NO <b>E9848-600</b></p>		



AERIAL PHOTO OF AREA  
1"=100'



1. SEE DWG E9848-603 FOR PUBLIC LAND SURVEY SYSTEM (PLSS) INFORMATION.
2. SEE DWG E9848-602 FOR ELEVATION VIEW OF CROSSING



500 2234

**P & E ENGINEERING CO.**  
POWER SYSTEM ANALYSIS AND DESIGN  
245 S. 5th  
P.O. Box 620  
Carlisle, IA 50047  
Office: 515-989-3083  
FAX: 515-989-3138  
pengr@pengr.com



REV	DESCRIPTION	DESG	DFTR	APPR	DATE	INCEPTION
A	ISSUED FOR PERMIT	P&E	P&E	ARP	11-14-2022	DATE 11-14-2022
						DESG P&E
						DFTR P&E
						APPR ARP

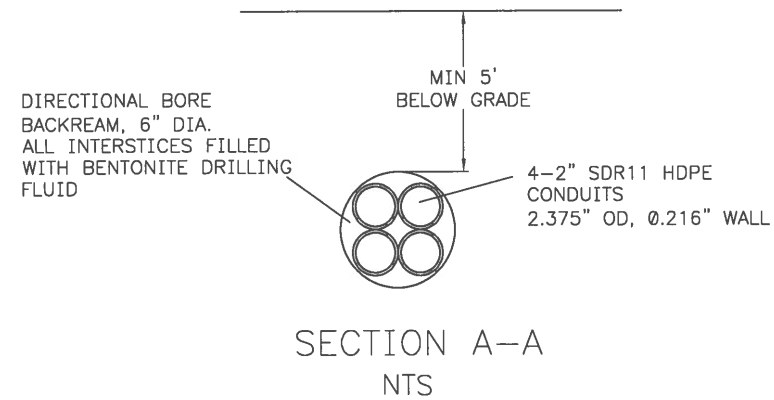
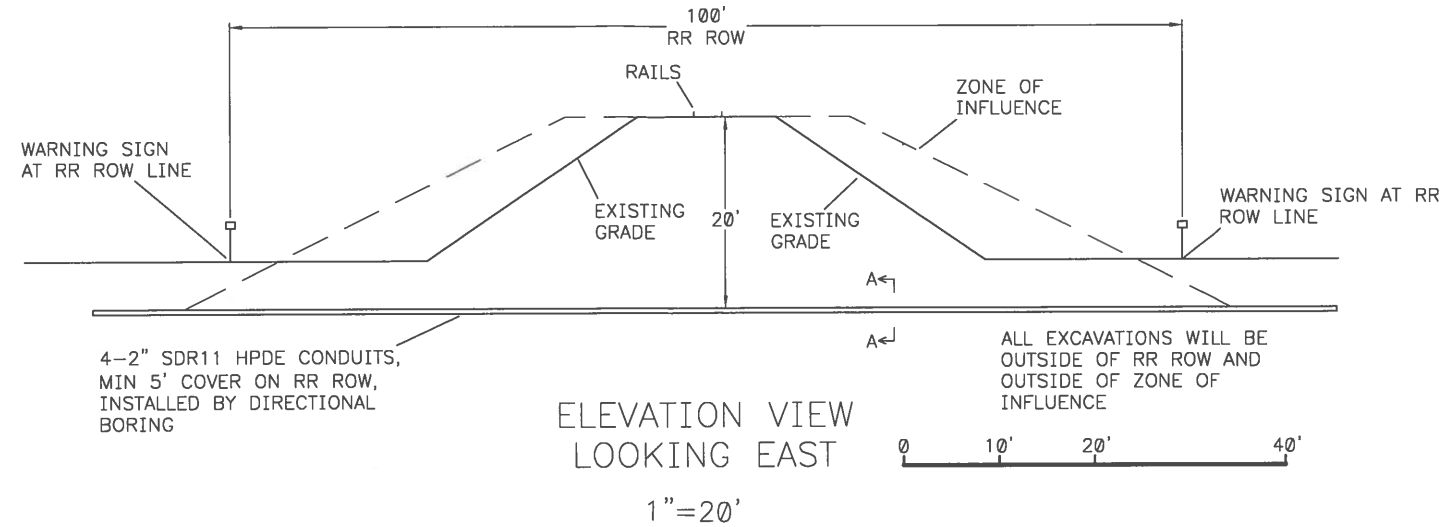
246 of 506  
16405-11

**ISSUED FOR PERMIT**

WEBSTER CITY  
2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT  
RAILROAD PERMIT  
PLAN VIEW

MODULE NUMBER:  
N/A  
SCALE:  
AS SHOWN

REV  
A  
DWG NO  
E9848-601



SIGN TO BE MIN 5"x12", WITH PERMANENT BOLD BLACK LETTERS ON YELLOW BACKGROUND, MOUNTED ON METAL POST WITH CENTER OF SIGN 3 FT ABOVE GROUND LEVEL.

WARNING SIGN DETAIL  
NTS

P & E ENGINEERING CO.  
POWER SYSTEM ANALYSIS AND DESIGN  
245 S. 5th  
P.O. Box 620  
Carlisle, IA 50047  
Office: 515-989-3983  
FAX: 515-989-3138  
pengr@pengr.com



REV	DESCRIPTION	DESIGNED	DFTR	APPR	DATE	INCEPTION
A	ORIGINAL DESIGN	P&E	P&E	ARP	11-14-2022	DATE 11-14-2022
						DESIGNED P&E
						DFTR P&E
						APPR ARP

247 of 506  
16405-12

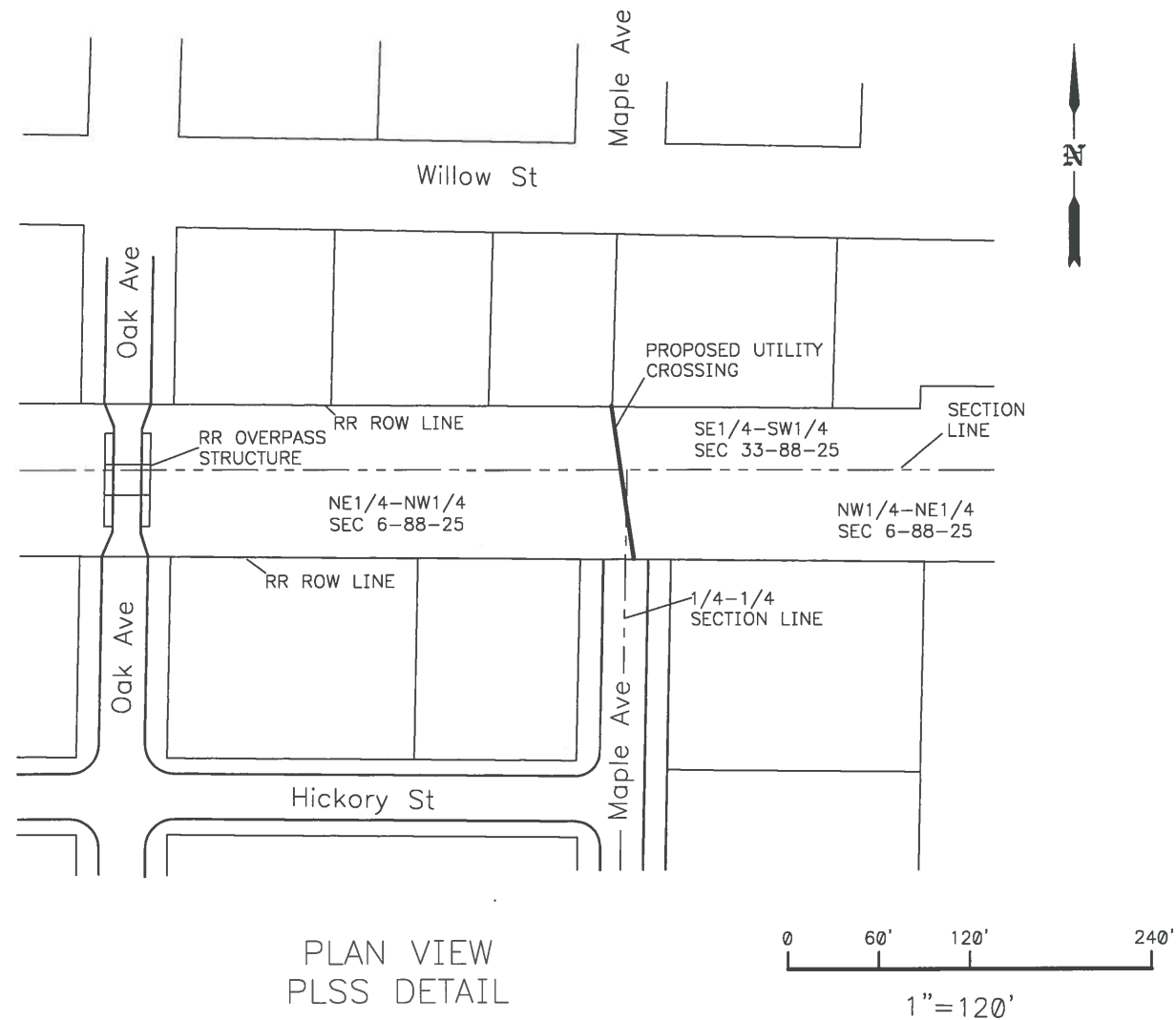
**ISSUED  
FOR PERMIT**

WEBSTER CITY  
2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT  
RAILROAD PERMIT  
ELEVATION VIEW

MODULE NUMBER:  
N/A

SCALE:  
0 400' 1000'

REV  
A  
DWG NO  
E9848-602



PLAN VIEW  
PLSS DETAIL

P & E ENGINEERING CO.  
POWER SYSTEM ANALYSIS AND DESIGN  
245 S. 5th P.O. Box 620 Carlisle, IA 50847  
Office: 515-989-3083 FAX: 515-989-3138  
pengr@pengr.com



REV	DESCRIPTION	DESIGN	DFTR	APPR	DATE	INCEPTION
A	ORIGINAL DESIGN	P&E	P&E	ARP	11-14-2022	DATE 11-14-2022
						DESIGN P&E
						DFTR P&E
						APPR ARP

248 of 506  
16405-13

**ISSUED  
FOR PERMIT**

WEBSTER CITY  
2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT  
RAILROAD PERMIT  
PLSS PLAN

MODULE NUMBER:  
N/A

SCALE:  
0 400' 1000'

REV  
A  
DWG NO  
E9848-603



## CN Request for Flagging Services and Cable Location

Project Information:	
Please fill in each cell for processing	
Is this a new project?	
List CN Project # (Example SO# 123456, Network# R1234, PSC-132):	
Contractor's Right of Entry (ROE), License, Permit #:	
Date of Agreement for ROE, License or Permit:	
Termination Date of Agreement for ROE, License or Permit (If Applicable):	
Does the scope of work include underground, piledriving, excavation or other activities which would require a Railroad Cable Locate? Note: railroad cables and fibers are not part of any state utility locate programs. <b>If a contractor shows up on site to perform work that requires a cable locate and it was not requested, the flagger will shut down the project</b>	
Does your project require vehicular traffic to be shifted out of its intended lane against the current of traffic at a railroad grade crossing?	
Railroad Subsidiary (listed on your agreement):	
Licensee and/or their contractor shall request, prepay, and secure Railroad Company signal facility locates by written notice to Railroad Company along with submission of CN's "Request for Flagging Services" form at least, <b>10 business days in advance of proposed performance of any work or access to Railroad Company property.</b> Notice to Railroad Company does not fulfill or satisfy any other notification requirements for utility locates for non-railroad facilities. <b><i>You must have an agreement with a CN railroad subsidiary, such as a Right of Entry, Permit, License or Formal Agreement in addition to any necessary flagging before you may enter CN property.</i></b>	
Flagging Protection Schedule:	
Requested Dates for Flagger Protection: <b>Dates requested are subject to Flagging Co. availability and any project needing a cable locate will need 10 days minimum advance notice. This should be considered when requesting dates for flagging.</b>	
Estimated Duration (in days) for Flagger:	
Estimated Work Schedule (example Mon. – Sat.)	
Daily Start Time / End Time (example 0700 to 1700 etc.): <b>(Flagger start and end time may vary based on type of protection required)</b>	
Flagging Protection Location:	
Railroad Mile Post (MP):	
Railroad Subdivision:	
Project's Location (Street location/intersection):	
Project - City / State:	
Project Description (example HDD, Jack and Bore, Encroachment, Underground or Overhead Pipeline / Wireline crossing, etc.):	
Location for flagger to report:	
Field Contact Person(s):	1 <sup>st</sup> Alternate
Mobile Phone Number(s):	1 <sup>st</sup> Alternate
Email Address(s):	

**CN REQUEST FOR FLAGGING SERVICES AND CABLE LOCATION**

**Billing Information:**

<b>Company Name:</b>	
<b>Contact Name:</b>	
<b>E-Mail:</b>	
<b>Billing Address:</b>	
<b>City/State:</b>	
<b>ZIP Code:</b>	
<b>Company Phone:</b>	

<b>Electronic Payment Instructions</b>		<b>Payment Information</b>	
<b>Financial Institution</b>	HARRIS TRUST AND SAVINGS BANK 311 WEST MONROE, CHICAGO, IL	<b>Customer Number (if available)</b>	
<b>Account Name</b>	Grand Trunk Western	<b>CN Contact</b>	
<b>Account</b>	274-733-5	<b>Service Requested (Flagging MP, Request Date)</b>	
<b>US ROUTING (ABA)</b>	071 000 288		
<b>Remittance Details</b>	nfcashmanagement@cn.ca	<b>Prepayment Amount</b>	

**Please send payment remittance details and copy of this flagging request to nfcashmanagement@cn.ca**

**Before Flagging Service is provided:**

CN required online training must be completed before Flagging Protection will be scheduled.
Prepayment must be received before Flagging Protection will be scheduled.
There is an 8-hour minimum per day. The base rate for Flagging Protection is \$1,300 for 10 hours: this includes 2 overtime hours for flagger to set up/take down protection if needed. Additional overtime hour must be prepaid at the rate of \$150.00 per hour. Weekends and Holidays must be prepaid at the overtime rate with a \$1,500.00 / 10 hour minimum. (Rates Effective January 1st, 2021.)
If additional days of flagging protection are required, they must be prepaid in advance.
Any prepayment not used can be refunded.
Railroad Cable Location must be prepaid, the cost is \$350.00 per locate.

**This completed form must be sent with a map, confirmation of electronic prepayment, and proof of insurance to [US\\_Flagging@cn.ca](mailto:US_Flagging@cn.ca)**

**CN Flagging Department**

US Flagging  
 T: 248-914-9695  
 17641 South Ashland Ave.  
 Homewood, IL 60430  
[US\\_Flagging@cn.ca](mailto:US_Flagging@cn.ca)

I, \_\_\_\_\_, agree to pay for flagging and/or cable locate services as requested \_\_\_\_\_  
**Print Name** **Signature**

**WEBSTER CITY**  
**East Side Conversion Project**  
**City Project No. 9-22-006**  
**Construction Specifications**  
**Section 16910 – Materials**

1.0 PROJECT MATERIAL

- 1.1 The Bill of Material included with this section is a general list of material for the project. See the Materials paragraph in Section 01000 General Requirements for additional material requirements.
- 1.2 The Bill of Material is provided solely as a reference and guide for Contractor. All material (except for those items that are listed as being provided by Owner) that is required to complete the Work as described by the Contract Documents is to be provided by Contractor, regardless of whether or not any specific items are included in the Bill of Material and regardless of the quantities shown.
- 1.3 Conduit fittings and accessories (including fiberglass sweeps) that are required to install a complete conduit system are not listed in the Bill of Material.
- 1.4 The cable quantities shown are based on expected circuit length only, with an allowance for normal cutback at terminations. No additional cable has been included to account for reel lengths or construction waste. Distances shown shall not be used by the Contractor for ordering or cutting lengths without field verification.
- 1.5 Special care must be taken to plan and execute cable reel usage and pulling lengths to minimize waste. A cable and reel usage plan must be approved by Owner prior to cable installation.
- 1.6 The manufacturer and catalog numbers listed for the hardware items and conductor related items are intended to set the minimum requirements for each item. Except where indicated otherwise, other manufacturers' materials may also be suitable for the application.
- 1.7 Certain items are listed in the module bills of material as generic items without specific sizes shown. These generic Item ID numbers are not listed in the Project Bill of Material, but the specific Item ID number for the sizes used in this Project are included in the Project Bill of Material.

Webster City  
2022 Electrical Underground Conversion Project  
Bill of Material

Engineer's Item ID	Description	Typical Mfg	Typical Cat. No.	Source	U/M	Qty
02225	Crossarm, Dead-end, fiberglass, 8 ft, 2 position, 10K/wire ult	PUPI	DA2500-096E2-B7X2	Owner	ea	1
02239	Crossarm, fiberglass, 8 ft, with tangent mount	PUPI	TB2000-0960-3x2	Owner	ea	1
05040	Wire, #6 solid copper, SD, bare			Contractor	ft	335
05042	Wire, #2 solid copper, SD, bare			Contractor	ft	165
05044	Wire, #2 str copper, Class B (7 str), SD, bare			Contractor	ft	550
05047	Wire, #4/0 str copper, Class B (19 str), SD, bare			Contractor	ft	30
05300	Cable, 12-2, solid copper, Type UF with ground			Owner	ft	135
05468	Wire, #12 str Cu., THHN/THWN			Owner	ft	320
05511	Cable, #4 Al URD TX, 600V		Vassar	Owner	ft	3,250
05520	Cable, 4/0-4/0-2/0 Al URD TX, 600V		Sweetbriar	Owner	ft	7,795
05523	Cable, 350-350-4/0 Al URD TX, 600V		Wesleyan	Owner	ft	18,395
05532	Cable, 350-350-350-4/0 Al URD QD		Slippery Rock	Owner	ft	550
05612	Cable, 15kV, #1/0 solid Al, 220 mil			Owner	ft	37,565
05614	Cable, 15kV, #4/0 str Al, 220 mil			Owner	ft	180
05700	Wire, guy, 3/8", 7 str, Class A galvanized, Utilities Grade			Owner	ft	100
05721	Grip, guy, preformed, 3/8"	Preformed	GDE-1107	Owner	ea	8
10036	Bracket, cutout/arrester, fiberglass, 3 phase, 48"	MacLean	G3MA014813DD	Owner	ea	5
10037	Bracket, cutout/arrester, fiberglass, 1 phase, 18"	Maclean	G1MA0118DD	Owner	ea	2
10041	Bracket, "L", with bolts and back plate	MacLean	J24712	Owner	ea	8
10200	Plate, pole eye, 5"	MacLean	PEP-66-45	Owner	ea	1
10251	Anchor, 10" double helix	MacLean	D104-2-6	Owner	ea	1
10261	Rod, anchor, 1" X 7' with triple eye	MacLean	D100-T	Owner	ea	1
10271	Rod, extension, 1" X 3.5'	MacLean	D10031/2-C	Owner	ea	1
10315	Bracket, equipment, for 4 wire primary metering	Aluma-Form	PMM-6	Owner	ea	1
10350	Guard, guy	MacLean	J1493Y	Owner	ea	1

Webster City  
2022 Electrical Underground Conversion Project  
Bill of Material

Engineer's Item ID	Description	Typical Mfg	Typical Cat. No.	Source	U/M	Qty
10371	U-guard, 2" galvanized steel, 8ft section, with ground clamp (2.25" ID)	Electrical Materials	52-2(8)G	Owner	ea	2
10373	U-guard, 4" galvanized steel, 10 ft section, with ground clamp (4.6" ID)	Electrical Materials	54-2XG	Owner	ea	7
10376	U-guard, 2" plastic, 10ft section	Electrical Materials	PE-2UG10	Owner	ea	4
10378	U-guard, 4" plastic, 10 ft section	Electrical Materials	PE-4UG10	Owner	ea	14
10395	U-guard base adapter, 3" conduit - 2" U-guard, steel	Electrical Materials	52-2BC	Owner	ea	2
10396	U-guard base adapter, 6" conduit - 4" U-guard, steel	Electrical Materials	54-26BC	Owner	ea	6
10401	Rod, ground, 1/2" X 10' copperweld	Eritech	611300	Owner	ea	63
10405	Clamp, 1/2" ground rod to #10-#2 Cu	T&B	JAB12H	Owner	ea	63
10502	Clamp, deadend, straight-line, 4/0 - 556 kcmil AAC or ACSR	Anderson	ADS-88-N	Owner	ea	3
10900	Thimble, clevis, 20000 pound	MacLean	CT-88	Owner	ea	1
10920	Clamp, hot line	Anderson	BH-4FTP	Owner	ea	21
12003	Bolt, machine, 5/8" galvanized, various lengths	Hughes	B6x-x	Contractor	ea	29
12004	Bolt, machine, 3/4" galvanized, various lengths	Hughes	B7x-x	Contractor	ea	2
12212	Bolt, 18-8 or 316 stainless, 1/2"-13 x 2", Fully Threaded			Contractor	ea	34
12230	Bolt, plated steel, grade 5, 5/16"-18 x 3/4"			Contractor	ea	24
12237	Washer, split lock, plated steel, 5/16" regular per ASME B18.21.1			Contractor	ea	24
12238	Washer, flat, USS, plated steel, 5/16"			Contractor	ea	24
12239	Nut, hex, plated steel, grade 5, 5/16"-18			Contractor	ea	24
12255	Lag screw, 1/2" X 4"	Hughes	LS-54	Contractor	ea	18
12260	Lag screw, 3/8" x 3"	Hughes Bros	LS33	Contractor	ea	16
12261	Lag screw, washer head, 1/4" x 2"	EMC	106M	Contractor	ea	352
12362	Nut, 1/2" Alloy 651, 655 or 661 silicon bronze			Contractor	ea	34
12403	Locknut, 5/8" galvanized	Hughes	MF60	Contractor	ea	37
12404	Locknut, 3/4" galvanized	Hughes	MF70	Contractor	ea	2

Webster City  
2022 Electrical Underground Conversion Project  
Bill of Material

Engineer's Item ID	Description	Typical Mfg	Typical Cat. No.	Source	U/M	Qty
12453	Eye nut, 5/8" galvanized	Hughes	EN60	Owner	ea	1
12503	Washer, square, flat, 5/8", 2-1/4"x2-1/4" galvanized	Hughes	SW2-1/4-60-3/16	Contractor	ea	30
12506	Washer, square, curved, galvanized, 3/4"	Hughes	CW70	Contractor	ea	2
12540	Washer, helical spring lock, 18-8 or 316 stainless, 1/2" regular, per ASME B18.21.1			Contractor	ea	34
12542	Washer, stainless, flat, round, 1/2" USS, 1.375" OD, 0.109"			Contractor	ea	34
12550	Staple, ground wire, 2" x 5/8"	MacLean	J7672	Contractor	ea	400
12601	Strap, pipe, 2 hole, 1-1/4"			Contractor	ea	210
12603	Strap, pipe, 2 hole, 2"			Contractor	ea	462
12604	Strap, pipe, 2 hole, 3"			Contractor	ea	84
12700	Nail, Roofing, galvanized, 2"			Contractor	ea	1,532
12900	Grip, wire mesh, double eye, closed mesh, 2.00-2.49"	Hubbell/Kellems	02201009	Owner	ea	6
12901	Grip, wire mesh, double eye, closed mesh, 1.00-1.24"	Hubbell/Kellems	02201005	Owner	ea	2
12902	Grip, wire mesh, double eye, closed mesh, 2.50-2.99"	Hubbell/Kellems	02201010	Owner	ea	1
14010	Lug, transformer grounding, #1 max	Hubbell/Anderson	GTCL-23A	Owner	ea	98
14201	Connector, copper crimpit, various sizes	T&B	CF	Contractor	ea	210
14205	Connector, Al compression, H-tap, various sizes	Burndy	YHO / YHD	Contractor	ea	20
14206	Connector, Al compression, H-tap, with cover, various	Burndy	YHO / YHD with CCx cover	Contractor	ea	144
14301	Connector, Al compression sleeve, various sizes	Anderson	PTA / PTR	Contractor	ea	3
14502	Stirrup, for 1/0-2/0 AAC, ACSR and AAAC	T&B/Blackburn	WRS-232	Contractor	ea	7
14504	Stirrup, for 266-397 kcmil AAC and ACSR	T&B/Blackburn	WRS-719	Contractor	ea	14
14690	Connector, bolted, #6-2/0	3M	CP-1	Owner	ea	21
14702	Connector, stud, sec, 5/8", 6x 350 kcmil	ABB/T&B	CSW6350-SLC	Owner	ea	129
16202	Insulator, polymer, 15 kV deadend, clevis-eye, 15,000 lb	Ohio Brass	401015-0215	Owner	ea	3
16401	Insulator, guy, porcelain, 12,000 pound	Victor	504	Owner	ea	2
16500	Insulator, guy, fiberglass, 36", 15,000 pound, 5/8" pins,	Maclean	GCC15-36R	Owner	ea	1
18002	Arrester, surge, 8.4 kV MCOV, dist class, w/o XA bkt	Cooper	URT1005-0A1A-1A1A	Owner	ea	21
18303	Arrester, surge, 8.4 kV MCOV, 15 kV elbow	ABB	167ESA-10	Owner	ea	10

Webster City  
2022 Electrical Underground Conversion Project  
Bill of Material

Engineer's Item ID	Description	Typical Mfg	Typical Cat. No.	Source	U/M	Qty
20021	Cutout, 100 A, 15 kV non-load break, polymer, w/o XA bkt	Maclean	89021R10-P-D	Owner	ea	18
20031	Cutout, 200 A, 15 kV non-load break, polymer, w/o XA bkt	Maclean	89071R10-P-D	Owner	ea	3
20500	Fuse link, Type T, size per specs	Cooper	51xxx	Owner	ea	21
20626	Fuse, SMU-20, 15 kV, 100E standard speed	S&C	612100	Owner	ea	6
30020	Luminaire, LED, Street Lighting, 8,180 Lumen, 4000K color	Lumec	RFM-72W32LED4K-G2-R3M-	Owner	ea	8
30201	Arm, Street Light, 6 ft	GE	RBACWH6X2	Owner	ea	8
30301	Photocell, twist lock, 120 v	DTL	DP-124-1.5-1704	Owner	ea	8
35050	Conduit, 2" flexible, corrugated, PVC	Carlton	11811	Contractor	ft	165
35201	Conduit, PVC, Sch. 40, 1-1/4"	Carlton	49009	Contractor	ft	95
35203	Conduit, PVC, Sch. 40, 2"	Carlton	49011	Contractor	ft	725
35205	Conduit, PVC, Sch. 40, 3"	Carlton	49013	Contractor	ft	55
35207	Conduit, PVC, Sch. 40, 4"	Carlton	49015	Contractor	ft	15
35211	Sweep, 90 deg, PVC Sch 40, 1-1/4", 18" R	Carlton	UA9CG	Contractor	ea	21
35213	Sweep, 90 deg, PVC Sch 40, 2", 24" R	Carlton	UA9DJ	Contractor	ea	149
35215	Sweep, 90 deg, PVC Sch 40, 3", 30" R	Carlton	UA9EL	Contractor	ea	14
35304	Conduit, PVC, Sch. 80, 1-1/4"	Carlton	49409	Contractor	ft	420
35306	Conduit, PVC, Sch. 80, 2"	Carlton	49411	Contractor	ft	1,705
35308	Conduit, PVC, Sch. 80, 3"	Carlton	49413	Contractor	ft	280
35356	Conduit, liquid tight, metallic, 3/4"			Contractor	ft	40
35502	Coupling, 1-1/4" PVC Sch 40	Carlton	E940G	Contractor	ea	21
35503	Coupling, 2" PVC Sch 40	Carlton	E940J	Contractor	ea	239
35511	Coupling, 3" PVC Sch 40	Carlton	E940L	Contractor	ea	14
35534	Strap, conduit, 2 hole, 1" rigid	Raco	2234	Contractor	ea	10
35541	Connector, box, metal seal-tight, straight, 3/4"	T&B	5333	Contractor	ea	14
35555	Meter offset, 2" PVC	Carlton	E995J	Contractor	ea	33
35750	Bushing, reducing, 1" - 3/4"	Appleton	RB100-75	Contractor	ea	14
35776	Pull box, NEMA 3R, screw cover, 8"x8"x6"	Hoffman	A8R86	Contractor	ea	1

Webster City  
2022 Electrical Underground Conversion Project  
Bill of Material

Engineer's Item ID	Description	Typical Mfg	Typical Cat. No.	Source	U/M	Qty
35803	Pole mounting bracket, Max 12" wide x 18" high	Alumaform	CMB-12-18	Contractor	ea	1
35975	Conduit, Polyethylene, SDR17, 3"			Contractor	ft	16,055
35978	Conduit, Polyethylene, SDR17, 5"			Contractor	ft	2,670
36051	Conduit, Polyethylene, SDR13.5, 2"			Contractor	ft	39,655
36057	Conduit, Polyethylene, SDR13.5, 1.25"			Contractor	ft	2,790
40030	Seal, cable jacket, cold shrink, 1.94" ID	3M	8452	Contractor	ea	3
40050	Insert, 200 amp load break, 15 kV	Elastimold	1601A4	Owner	ea	98
40060	Cap, 200 amp load break, 15 kV	Elastimold	160DRG	Owner	ea	3
40070	Stand off bushing, insulated, 200 amp, 15 kV	Elastimold	161SOP	Owner	ea	13
40078	Junction, loadbreak, 3 point, 200 amp, 15 kV, with mtg	Elastimold	164J3-5	Owner	ea	7
40102	Terminator, 15kV, 1/0 Sol, with stem connector	3M	7652-S-4 w/ SC0001	Owner	ea	18
40105	Terminator, 15kV, 4/0, with stem connector	3M	7653-S-4 w/ SC0040	Owner	ea	3
40211	Splice, cable, cold-shrink, 1/0 sol, 175-220 mil 15 kV	3M	5415A-1AL	Owner	ea	1
40272	Splice cover, secondary, cold shrink, #2/0-250 kcmil, 11"	3M	8426-11	Owner	ea	3
40317	Elbow, 200 amp, 15 kV, 1/0 Sol 220 mils, no test point, with integral jacket seal	ABB/T&B	161LRJS-B5230	Owner	ea	118
41011	Elbow, 600 amp, 15 kV, 4/0 Al, 220 mil	ABB/T&B	K656LR-H0270	Owner	ea	3
52313	Transformer, 1 ph pad mtd, 7.x kV-240/120V, 25kVA			Owner	ea	19
52315	Transformer, 1 ph pad mtd, 7.x kV-240/120V, 50kVA			Owner	ea	22
52316	Transformer, 1 ph pad mtd, 7.x kV-240/120V, 75kVA			Owner	ea	5
56300	Swgr, pad mtd, Dead Front, 13 kV, 600 amp, 2 sw, 2 fuse	S&C	PME-9	Owner	ea	1
58001	Pad, box, preformed, for single phase transformer, 37"x43"x24"	Nordic	CBP-37-43-24A-MG-22x24	Owner	ea	46
58069	Pad, box, preformed, for swgr, 4 way 600 amp PME with 1 or 2 switch bays	Nordic	GS-75-69-36MG-65x59	Owner	ea	1



Webster City  
2022 Electrical Underground Conversion Project  
Bill of Material

Engineer's Item ID	Description	Typical Mfg	Typical Cat. No.	Source	U/M	Qty
58134	Handhole, 30"x48"x24"; Tier 8, open bottom, with prov for bolted cvr	Hubbell	PG3048BA24	Owner	ea	10
58184	Handhole cover, 30"x48"; Tier 8, with logo "ELECTRIC"	Hubbell	PG3048CA0017P	Owner	ea	10
58200	Pedestal, secondary	Nordic	P-50 w/ P-51	Owner	ea	3
58203	Pedestal, 3 Ph secondary, 6 - 500 kcmil max/ph and neutral	API	API 16x28 with 6 port 500 kcmil covered connectors	Owner	ea	2
58251	Pedestal, secondary, low profile, with 3 x 6 port, 350 kcmil connectors	Hubbell	AG18HDXBY30	Owner	ea	117
58600	Cabinet, junction, 1 ph, 30", w/ grnd slv, mounting plate, and grnd bus	Nordic	ND-2322248-MG-112-B1A	Owner	ea	2
58601	Cabinet, junction, 3 ph, 54"x23"x48", w/ grnd slv and grnd bus	Nordic	ND-350-MG-101-B3A	Owner	ea	2
58629	Cabinet, junction, 3 ph, 68"x25"X53" w/ grnd slv and grnd bus	Nordic	ND-430-MG-101-B3B	Owner	ea	1
70121	Socket, meter, three phase, 13 Term, CI 20, with test switch	Milbank	UC7449-RL w/ TS10-0109 test sw wired per Dia. I	Owner	ea	1
70204	Transformer, potential, outdoor, 7.62/13.2 Grd Y, 63.5:1, 110 kV BIL	ABB	VOZ-11M, E-7525A91G06	Owner	ea	3
70360	Transformer, current, outdoor, 15 kV, 50:5	ABB	KIR-11, E-7524A12G10	Owner	ea	3
90204	Rock, per drawings and specs			Contractor	lot	1

**WEBSTER CITY  
East Side Conversion Project  
City Project No. 9-22-006  
Construction Specifications  
Section 16920 – Staking Sheets**

1.0 GENERAL

1.1 The following pages include staking sheets for the project and are identified as follows:

Construction (Area 1) - Pages 1 through 114  
Removal (Area 2) – Pages 115 through 173

1.2 Staking sheets are arranged by location numbers within each area, corresponding to numbers shown on plan and detail drawings.

1.3 Module numbers listed on the staking sheets refer to the corresponding page numbers included in Section 16925.

2.0 BORE LENGTHS

2.1 The bore entries in the staking sheets are based on the requirement that all conduits along a common run are to be installed in a single bore. See Paragraph 3.7 in Section 16402.

2.2 All bore lengths are measured and will be determined horizontally along the surface of the earth, center to center of equipment or to the vertical riser conduit at meter sockets. No allowance or extra payment will be made for the vertical length of riser conduits, the burial depth of the bore, variations in ground elevations, or bore setup locations.

**STAKING SHEET**

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 001</b>											
			40		UP170N	1					
Bore for cable or conduit	1	80									To location 002
2" Poly Conduit	1	80									
5" Poly Conduit	1	80									5" conduit for future feeder
3" Poly Conduit	1	80									
#1/0 Sol Al 15kV 220	1	120									
350 Al URD Triplex	1	100									
Pull fiber, sec or 1 ph pri	2	80									
Trench/Backfill	1	5					US417	1			
2" Sch 40 Conduit	1	5					US111	1			Connect riser for service locations 500 and 501
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	120									To location 094
5" Poly Conduit	1	120									5" conduit for future feeder
2" Poly Conduit	2	120									
1-1/4" Poly Conduit	1	120									1 1/4" conduit for future street light
#1/0 Sol Al 15kV 220	1	130									Primary cable to Loc 002
Pull fiber, sec or 1 ph pri	2	80									
#1/0 Sol Al 15kV 220	2	450									Primary to 092, Phases A & B
Pull fiber, sec or 1 ph pri	2	400									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 002</b>											
							UA002	1			Install 1 25 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C	1			
Bore for cable or conduit	1	70									To location 3
2" Poly Conduit	1	70									
5" Poly Conduit	1	70									5" conduit for future feeder
3" Poly Conduit	1	70									
350 Al URD Triplex	1	90									
Pull fiber, sec or 1 ph pri	1	70									
#1/0 Sol Al 15kV 220	1	620									Primary to Loc 058
Pull fiber, sec or 1 ph pri	1	600									
<b>LOCATION NO. 003</b>											
Trench/Backfill	1	5		40			US417	1			
2" Sch 40 Conduit	1	5					US111	1			Connect riser for service locations 502 and 503
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	140									To location 4
5" Poly Conduit	1	140									5" conduit for future feeder
2" Poly Conduit	1	140									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 004</b>											
Trench/Backfill	1	5									
2" Sch 40 Conduit	1	5			40				US417	1	
									US111	1	Connect riser to existing meter on pole service 725
#4/0 Al URD Triplex	1	40							LT50480	1	
Pull fiber, sec or 1 ph pri	1	5							LT10006	1	
Bore for cable or conduit	1	50									To location 056
5" Poly Conduit	1	50									5" conduit for future feeder
2" Poly Conduit	3	50									
Bore for cable or conduit	1	150									To location 077
2" Poly Conduit	2	150									Conduit 1 to 077, conduit 2 to 079
3" Poly Conduit	1	150									
350 Al URD Triplex	1	170									
Pull fiber, sec or 1 ph pri	1	150									
Bore for cable or conduit	1	120									To location 005
3" Poly Conduit	1	120									
350 Al URD Triplex	1	140									
Pull fiber, sec or 1 ph pri	1	120									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET POLE SIZE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>										
<b>LOCATION NO. 005</b>										
Trench/Backfill	1	5		40			US417	1		Connect riser to service location 504
2" Sch 40 Conduit	1	5					US111	1		
#4/0 Al URD Triplex	1	40								
Pull fiber, sec or 1 ph pri	1	5								
Bore for cable or conduit	1	150								To location 006
3" Poly Conduit	1	150								
350 Al URD Triplex	1	170								
Pull fiber, sec or 1 ph pri	1	150								
<b>LOCATION NO. 006</b>										
Trench/Backfill	1	5		55			US417	1		
2" Sch 40 Conduit	1	5					US111	1		Connect riser to triplex going to service location 505
#4/0 Al URD Triplex	1	40								
Pull fiber, sec or 1 ph pri	1	5								

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 007</b>											
							UA002	1			Install 1 50 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C	1			
Trench/Backfill	1	5		40					US1102	1	Connect riser to street light
1-1/4" Sch 40 Conduit	1	5									
#4 URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	190									To location 008
2" Poly Conduit	1	190									
Bore for cable or conduit	1	80		40							To location 054
3" Poly Conduit	1	80									
350 Al URD Triplex	1	100									
Pull fiber, sec or 1 ph pri	1	80									
#1/0 Sol Al 15kV 220	1	360									Primary to Loc 009
Pull fiber, sec or 1 ph pri	1	340									
#1/0 Sol Al 15kV 220	1	810									Primary to Loc 058
Pull fiber, sec or 1 ph pri	1	790									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 008</b>											
Trench/Backfill	1	5			40				US417	1	
2" Sch 40 Conduit	1	5							US111	1	Connect riser to triplex for service locatoins 506 and 507
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	150									To location 009
2" Poly Conduit	1	150									
3" Poly Conduit	1	150									
350 Al URD Triplex	1	170									
Pull fiber, sec or 1 ph pri	1	150									
<b>LOCATION NO. 009</b>											
									UA002	1	Install 1 25 KVA PM Transformer, 1 Ph, 7.x kV
									UA115C	1	
Trench/Backfill	1	5			40						
2" Sch 40 Conduit	1	5							US111	1	Connect riser to triplex feeding service locatoin 508
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	130									To location 010
2" Poly Conduit	1	130									
3" Poly Conduit	1	130									
350 Al URD Triplex	1	150									
Pull fiber, sec or 1 ph pri	1	130									
#1/0 Sol Al 15kV 220	1	690									Primary to Loc 015
Pull fiber, sec or 1 ph pri	1	670									



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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 010</b>											
Bore for cable or conduit	1	70							US417 1		
									US170 1		To service location 509
2" Poly Conduit	1	70									
#4/0 Al URD Triplex	1	90									
Pull fiber, sec or 1 ph pri	1	70									
Bore for cable or conduit	1	80									To location 011
2" Poly Conduit	2	80									
1-1/4" Poly Conduit	1	80									
#4/0 Al URD Triplex	1	100									
#4 URD Triplex	1	130									
Pull fiber, sec or 1 ph pri	2	80									
<b>LOCATION NO. 011</b>											
					40				US1102 1		Connect riser to street light
Bore for cable or conduit	1	90									To location 012
2" Poly Conduit	1	90									
#4/0 Al URD Triplex	1	110									
Pull fiber, sec or 1 ph pri	1	90									
Bore for cable or conduit	1	130									To location 013
2" Poly Conduit	1	130									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET POLE SIZE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>										
<b>LOCATION NO. 012</b>										
Trench/Backfill	1	5		50				US417	1	
2" Sch 40 Conduit	1	5						US111	1	Riser for service 510
#4/0 Al URD Triplex	1	40								
Pull fiber, sec or 1 ph pri	1	5								
<b>LOCATION NO. 013</b>										
Bore for cable or conduit	1	90		40						To location 014
2" Poly Conduit	1	90								
<b>LOCATION NO. 014</b>										
Bore for cable or conduit	1	240								To location 015
2" Poly Conduit	2	240								
Bore for cable or conduit	1	270								To locaiton 016
2" Poly Conduit	1	270								

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 015</b>											
							UA002	1			Install 1 25 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C	1			
Trench/Backfill	1	5			35						
2" Sch 40 Conduit	1	5					US111	1			Connect riser for services 511 and 512
#4/0 Al URD Triplex	1	35									
Pull fiber, sec or 1 ph pri	1	5									
#1/0 Sol Al 15kV 220	1	530									Primary to Loc 016
Pull fiber, sec or 1 ph pri	1	510									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 016</b>											
							UA002	1			Install 1 50 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C	1			
Trench/Backfill	1	5			40						
2" Sch 40 Conduit	1	5					US111	1			Connect riser to street light
#4/0 Al URD Triplex	1	40									House at 321 Cherry has triplex to it but no meter
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	140									To locaiton 017
3" Poly Conduit	1	140									
350 Al URD Triplex	1	160									
Pull fiber, sec or 1 ph pri	1	140									
Bore for cable or conduit	1	140									To location 020
2" Poly Conduit	1	140									
3" Poly Conduit	1	140									
350 Al URD Triplex	1	160									
Pull fiber, sec or 1 ph pri	1	140									
#1/0 Sol Al 15kV 220	1	580									Primary to Loc 023
Pull fiber, sec or 1 ph pri	1	560									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET POLE SIZE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>										
<b>LOCATION NO. 017</b>										
										Connect new 350 to existing pedestal for service locations 513, 514, and 516
Bore for cable or conduit	1	140								To locaiton 018
3" Poly Conduit	1	140								
350 Al URD Triplex	1	160								
Pull fiber, sec or 1 ph pri	1	140								
<b>LOCATION NO. 018</b>										
						US417		1		
Bore for cable or conduit	1	90								To location 019
3" Poly Conduit	1	90								
350 Al URD Triplex	1	110								
Pull fiber, sec or 1 ph pri	1	90								
<b>LOCATION NO. 019</b>										
				40		US417		1		
Trench/Backfill	1	5				US111		1		Connect riser to triplex for service location 515
2" Sch 40 Conduit	1	5								
#4/0 Al URD Triplex	1	40								
Pull fiber, sec or 1 ph pri	1	5								

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES	
<b>AREA 01 Construction</b>												
<b>LOCATION NO. 020</b>												
											US417 1	Divert existing URD for service location 517 into pedestal
				40							US111A 1	Reuse existing riser for service location 518
Trench/Backfill	1	5										
2" Sch 40 Conduit	1	5										
#4/0 Al URD Triplex	1	40										
Pull fiber, sec or 1 ph pri	1	5										
Bore for cable or conduit	1	80										To location 021
2" Poly Conduit	1	80										
1-1/4" Poly Conduit	1	80										
#4 URD Triplex	1	130										
Pull fiber, sec or 1 ph pri	1	80										
<b>LOCATION NO. 021</b>												
				40							US1102 1	Connect riser to street light
Bore for cable or conduit	1	200										To location 022
2" Poly Conduit	2	200										
Bore for cable or conduit	1	100										To location 025
2" Poly Conduit	1	100										

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	QTY	GND MODULE	QTY	GUYING MODULE	QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>														
<b>LOCATION NO. 022</b>														
										US417	1			Divert existing URD for service location 520 into pedestal
Bore for cable or conduit	1	100												To service location 519
2" Poly Conduit	1	100								US170	1			
#4/0 Al URD Triplex	1	120												
Pull fiber, sec or 1 ph pri	1	100												
Bore for cable or conduit	1	140												To location 023
2" Poly Conduit	2	140												
3" Poly Conduit	1	140												
350 Al URD Triplex	1	160												
Pull fiber, sec or 1 ph pri	1	140												

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 023</b>											
							UA002	1			Divert existing UG for 103 Apple Ave into new transformer Install 1 25 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C	1			To service location 521
Bore for cable or conduit	1	90									
2" Poly Conduit	1	90					US170	1			
#4/0 Al URD Triplex	1	110									
Pull fiber, sec or 1 ph pri	1	90									
Bore for cable or conduit	1	170									to location 024
3" Poly Conduit	1	170									
350 Al URD Triplex	1	190									
Pull fiber, sec or 1 ph pri	1	170									
Bore for cable or conduit	1	120									To location 023A
1-1/4" Poly Conduit	1	120									Conduit for future street light.
#1/0 Sol Al 15kV 220	1	460									Primary to Loc 025
Pull fiber, sec or 1 ph pri	1	440									
<b>LOCATION NO. 024</b>											
							US417	1			Divert existing URD for service location 522 into pedestal



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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET POLE SIZE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>										
<b>LOCATION NO. 025</b>										
					UG952	1				Pull box for primary cable
								US417	1	
Trench/Backfill	1	5		40				US111	1	Connect riser to triplex feeding service locations 523 and 524
2" Sch 40 Conduit	1	5								
#4/0 Al URD Triplex	1	40								
Pull fiber, sec or 1 ph pri	1	5								
Bore for cable or conduit	1	140								To location 026
2" Poly Conduit	1	140								
3" Poly Conduit	1	140								
350 Al URD Triplex	1	160								
Pull fiber, sec or 1 ph pri	1	140								
#1/0 Sol Al 15kV 220	1	560								Primary to Loc 029
Pull fiber, sec or 1 ph pri	1	540								

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET POLE SIZE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>										
<b>LOCATION NO. 026</b>										
Trench/Backfill	1	5		40				US417 1		
								US1102 1		Connect riser to street light
1-1/4" Sch 40 Conduit	1	5								
#4 URD Triplex	1	40								
Pull fiber, sec or 1 ph pri	1	5								
Bore for cable or conduit	1	80								To location 027
2" Poly Conduit	2	80								
3" Poly Conduit	1	80								
350 Al URD Triplex	1	100								
Pull fiber, sec or 1 ph pri	1	80								
Bore for cable or conduit	1	150								To location 030
2" Poly Conduit	2	150								
Bore for cable or conduit	1	140								To location 034
2" Poly Conduit	1	140								

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 027</b>											
							UA002	1			Install 1 25 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C	1			
Bore for cable or conduit	1	60									To service location 525
2" Poly Conduit	1	60					US170	1			
#4/0 Al URD Triplex	1	80									
Pull fiber, sec or 1 ph pri	1	60									
Bore for cable or conduit	1	120									To location 028
2" Poly Conduit	2	120									
3" Poly Conduit	1	120									
350 Al URD Triplex	1	140									
Pull fiber, sec or 1 ph pri	1	120									
#1/0 Sol Al 15kV 220	1	250									Primary to Loc 030
Pull fiber, sec or 1 ph pri	1	230									
#1/0 Sol Al 15kV 220	1	340									Primary to Loc 029
Pull fiber, sec or 1 ph pri	1	320									
<b>LOCATION NO. 028</b>											
Trench/Backfill	1	5			40		US417	1			
							US111	1			Connect riser for service location 526
2" Sch 40 Conduit	1	5									
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	200									To location 029
2" Poly Conduit	2	200									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	QTY	APPARATUS MODULE	QTY	SEC/NEUTRAL MODULE	QTY	GND MODULE	QTY	GUYING MODULE	QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>																
<b>LOCATION NO. 029</b>																
								UA002	1							Divert existing URD secondary to transformer Install 1 25 KVA PM Transformer, 1 Ph, 7.x kV
								UA115C	1							Reuse riser for street light
Trench/Backfill	1	5			40			US111A	1							Connect riser to street light.
1-1/4" Sch 40 Conduit	1	5														
#4 URD Triplex	1	40														
Pull fiber, sec or 1 ph pri	1	5														
Trench/Backfill	1	10														
2" Poly Conduit	1	10														
#1/0 Sol Al 15kV 220	1	30														Cable from transformer to jct cabinet
Pull fiber, sec or 1 ph pri	1	10						UG222	1	UA553C	1					Divert existing primary into new cabinet
								UG226	1							Open point in cabinet.
#1/0 Sol Al 15kV 220	1	30														Primary jct cab to transformer
Pull fiber, sec or 1 ph pri	1	10														
<b>LOCATION NO. 029B</b>																
								US417	1							Replace existing pedestal with new pedestal

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 030</b>											
							UA002	1			Install 1 25 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C	1			
Bore for cable or conduit	1	70									To location 031
3" Poly Conduit	1	70									
1-1/4" Poly Conduit	1	70									
#4 URD Triplex	1	120									
Pull fiber, sec or 1 ph pri	2	70									
Bore for cable or conduit	1	140									To location 033
3" Poly Conduit	1	140									
350 Al URD Triplex	1	160									
Pull fiber, sec or 1 ph pri	1	140									
#1/0 Sol Al 15kV 220	1	440									Primary to Loc 035
Pull fiber, sec or 1 ph pri	1	420									
#4/0 Al URD Triplex	1	170									Secondary to Loc 032
Pull fiber, sec or 1 ph pri	1	150									
<b>LOCATION NO. 031</b>											
					40				US1102	1	Connet #4 TX riser to street light
Bore for cable or conduit	1	80									To location 032
3" Poly Conduit	1	80									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	QTY	APPARATUS MODULE	QTY	SEC/NEUTRAL MODULE	QTY	GND MODULE	QTY	GUYING MODULE	QTY	COMMENTS & NOTES	
<b>AREA 01 Construction</b>																	
<b>LOCATION NO. 032</b>																	
Trench/Backfill	1	5			40			US417	1								
								US111	1								Connect riser to triplex for service location 527
2" Sch 40 Conduit	1	5															
#4/0 Al URD Triplex	1	40															
Pull fiber, sec or 1 ph pri	1	5															
<b>LOCATION NO. 033</b>																	
								US417	1								Divert existing URD secondary for service 528 into pedestal
<b>LOCATION NO. 034</b>																	
								US417	1								Divert existing URD secondary for service 529 into pedestal
Trench/Backfill	1	5			40			US111A	1								Reuse riser for service location 529A
2" Sch 40 Conduit	1	5															
#4/0 Al URD Triplex	1	40															
Pull fiber, sec or 1 ph pri	1	5															
Bore for cable or conduit	1	130															To location 035
2" Poly Conduit	1	130															
3" Poly Conduit	1	130															
350 Al URD Triplex	1	150															
Pull fiber, sec or 1 ph pri	1	130															

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 035</b>											
							UA002	1			Install 1 50 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C	1			
Trench/Backfill	1	5		40					US111	1	Connect riser to Meter on pole service location 531
2" Sch 40 Conduit	1	5									
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	90									To location 036
3" Poly Conduit	1	90									
350 Al URD Triplex	1	110									
Pull fiber, sec or 1 ph pri	1	90									
Bore for cable or conduit	1	140									To locatoin 037
2" Poly Conduit	1	140									
3" Poly Conduit	1	140									
350 Al URD Triplex	1	160									
Pull fiber, sec or 1 ph pri	1	140									
#1/0 Sol Al 15kV 220	1	460									Primary to Loc 039
Pull fiber, sec or 1 ph pri	1	440									
<b>LOCATION NO. 036</b>											
									US417	1	
Trench/Backfill	1	5		40					US111	1	Connect riser to existing triplex feeding service 530
2" Sch 40 Conduit	1	5									
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 037</b>											
Trench/Backfill	1	5			40				US417 1	US111 1	Connect riser to existing triplex for services 532 and 533
2" Sch 40 Conduit	1	5									
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	150									To location 038
2" Poly Conduit	1	150									
<b>LOCATION NO. 038</b>											
Trench/Backfill	1	5			40				US417 1	US111 1	Connect riser to existing triplex for service 535
2" Sch 40 Conduit	1	5									
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	140									To location 038A
3" Poly Conduit	1	140									
350 Al URD Triplex	1	160									
Pull fiber, sec or 1 ph pri	1	140									
Bore for cable or conduit	1	150									To location 039
2" Poly Conduit	1	150									
3" Poly Conduit	1	150									
350 Al URD Triplex	1	170									
Pull fiber, sec or 1 ph pri	2	150									



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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 038A</b>											
Trench/Backfill	1	5			40				US417	1	
									US111	1	Connect riser to existing triplex for service 534
2" Sch 40 Conduit	1	5									
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
<b>LOCATION NO. 039</b>											
									UA002	1	Install 1 50 KVA PM Transformer, 1 Ph, 7.x kV
									UA115C	1	
Trench/Backfill	1	5			40				US111	1	Connect new #4 riser to street light
1-1/4" Sch 40 Conduit	1	5									
#4 URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	255									To location 040
2" Poly Conduit	2	180									
3" Poly Conduit	1	180									
350 Al URD Triplex	1	200									
Pull fiber, sec or 1 ph pri	1	180									
Bore for cable or conduit	1	160									To location 042
2" Poly Conduit	1	160									
3" Poly Conduit	1	160									
350 Al URD Triplex	1	180									
Pull fiber, sec or 1 ph pri	1	160									
#1/0 Sol Al 15kV 220	1	310									Primary to Loc 040A
Pull fiber, sec or 1 ph pri	1	290									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	QTY	APPARATUS MODULE	QTY	SEC/NEUTRAL MODULE	QTY	GND MODULE	QTY	GUYING MODULE	QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>																
<b>LOCATION NO. 040</b>																
								US417	1							Divert 2-URD secondaries from riser to new pedestal
Trench/Backfill	1	5			40			US111A	1							Reuse existing riser for street light triplex
2" Sch 40 Conduit	1	5														
#4 URD Triplex	1	40														
Pull fiber, sec or 1 ph pri	1	5														
2" Poly Conduit	2	120														Conduit to 040A
<hr/>																
<b>LOCATION NO. 040A</b>																
								UA553C	1							Extend primary cable previously installed by Owner into new Jct Cab, terminate, and park. Owner will energize.
								UG228	1							
								UG226	1							
#1/0 Sol Al 15kV 220	1	825														Primary to Loc 046
Pull fiber, sec or 1 ph pri	1	805														
<hr/>																
<b>LOCATION NO. 042</b>																
								US417	1							Divert URD secondary to new pedestal for service 539
Bore for cable or conduit	1	100														To location 043
2" Poly Conduit	1	100														
3" Poly Conduit	1	100														
350 Al URD Triplex	1	120														
Pull fiber, sec or 1 ph pri	1	100														

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 043</b>											
									US417	1	Divert Secondary URD to new pedestal for service 540
Trench/Backfill	1	5		40					US111A	1	Reuse riser for street light
2" Sch 40 Conduit	1	5									
#4 URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	130									To location 044A
2" Poly Conduit	1	130									
<b>LOCATION NO. 044</b>											
				40					US1102	1	Connect riser to street light
Bore for cable or conduit	1	90									To location 045
3" Poly Conduit	1	90									
350 AI URD Triplex	1	110									
Pull fiber, sec or 1 ph pri	1	90									
Bore for cable or conduit	1	120									To location 047
3" Poly Conduit	1	120									
1-1/4" Poly Conduit	1	120									
#4 URD Triplex	1	170									
Pull fiber, sec or 1 ph pri	1	120									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 044A</b>											
Bore for cable or conduit	1	120									to 046
2" Poly Conduit	1	120									
Bore for cable or conduit	1	220									To location 051
2" Poly Conduit	1	220									
<b>LOCATION NO. 045</b>											
							US417			1	Divert secondary URD to new pedestal for service 541
<b>LOCATION NO. 045A</b>											
Bore for cable or conduit	2	75									To Loc 044A
2" Poly Conduit	2	75									
<b>LOCATION NO. 045B</b>											
Bore for cable or conduit	1	215									Bore under railroad tracks to 045A. See specifications and contract provisions before entering RR property or starting construction.
2" Poly Conduit	4	215									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET POLE SIZE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>										
<b>LOCATION NO. 046</b>										
						UA002	1			Install 1 50 KVA PM Transformer, 1 Ph, 7.x kV
						UA115C	1			
								US417	1	
Trench/Backfill	1	5		40				US1102	1	Connect riser to meter on pole service 544
1-1/4" Sch 40 Conduit	1	5								
#4 URD Triplex	1	40								
Pull fiber, sec or 1 ph pri	1	5								
Bore for cable or conduit	1	70								To service 543
2" Poly Conduit	1	70						US170	1	
#4/0 Al URD Triplex	1	90								
Pull fiber, sec or 1 ph pri	1	70								
3" Poly Conduit	1	90								To Loc 047
350 Al URD Triplex	1	110								
Pull fiber, sec or 1 ph pri	1	90								
Bore for cable or conduit	1	75								To location 049
3" Poly Conduit	1	75								
350 Al URD Triplex	1	95								
Pull fiber, sec or 1 ph pri	1	75								
#1/0 Sol Al 15kV 220	1	625								Primary to Loc 058
Pull fiber, sec or 1 ph pri	1	605								

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 047</b>											
Bore for cable or conduit	1	60							US417	1	To service 542
2" Poly Conduit	1	60							US170	1	
#4/0 Al URD Triplex	1	80									
Pull fiber, sec or 1 ph pri	1	60									
Bore for cable or conduit	1	115									To Loc 044
1-1/4" Poly Conduit	1	115									
3" Poly Conduit	1	115									
#4 URD Triplex	1	165									
Pull fiber, sec or 1 ph pri	1	115									
<b>LOCATION NO. 048</b>											
Trench/Backfill	1	5		40					US417	1	
									US111	1	Connect riser to triplex for service 545
2" Sch 40 Conduit	1	5									
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	90									To location 049
3" Poly Conduit	1	90									
350 Al URD Triplex	1	110									
Pull fiber, sec or 1 ph pri	1	90									
Bore for cable or conduit	1	110									To location 50
3" Poly Conduit	1	110									
350 Al URD Triplex	1	130									
Pull fiber, sec or 1 ph pri	1	110									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET POLE SIZE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>										
<b>LOCATION NO. 049</b>										
Trench/Backfill	1	5		40				US417	1	
								US111	1	Connect riser to triplex for service 546
2" Sch 40 Conduit	1	5								
#4/0 Al URD Triplex	1	40								
Pull fiber, sec or 1 ph pri	1	5								
<b>LOCATION NO. 050</b>										
Trench/Backfill	1	5						US417	1	Divert existing URD to new pedestal for service 547
								US111A	1	Reuse riser for street light
1-1/4" Sch 40 Conduit	1	5								
#4 URD Triplex	1	40								
Pull fiber, sec or 1 ph pri	1	5								

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 051</b>											
									US417	1	
Bore for cable or conduit	1	100									To location 052
3" Poly Conduit	1	100									
350 Al URD Triplex	1	120									
Pull fiber, sec or 1 ph pri	1	100									
Bore for cable or conduit	1	90									To location 007
2" Poly Conduit	1	90									
3" Poly Conduit	1	90									
350 Al URD Triplex	1	110									
Pull fiber, sec or 1 ph pri	1	90									
Trench/Backfill	1	5									
2" Sch 40 Conduit	1	5							US111	1	Connect riser to triplex for service 549
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
<b>LOCATION NO. 052</b>											
									US417	1	
Bore for cable or conduit	1	90									To service 548
2" Poly Conduit	1	90									
#4/0 Al URD Triplex	1	110									
Pull fiber, sec or 1 ph pri	1	90									



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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET POLE SIZE	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>										
<b>LOCATION NO. 054</b>										
Trench/Backfill	1	5		40				US417 1 US111 1		Connect riser to triplex for service 550
2" Sch 40 Conduit	1	5								
#4/0 Al URD Triplex	1	40								
Pull fiber, sec or 1 ph pri	1	5								
Bore for cable or conduit	1	70								To location 055
3" Poly Conduit	1	70								
350 Al URD Triplex	1	90								
Pull fiber, sec or 1 ph pri	1	70								
<b>LOCATION NO. 055</b>										
Trench/Backfill	1	5		40				US417 1 US111 1		Connect riser to triplex for services 551 and 552
2" Sch 40 Conduit	1	5								
#4/0 Al URD Triplex	1	40								
Pull fiber, sec or 1 ph pri	1	5								
Bore for cable or conduit	1	160								To location 055A
3" Poly Conduit	1	160								
350 Al URD Triplex	1	180								
Pull fiber, sec or 1 ph pri	1	160								

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	QTY	GND MODULE	QTY	GUYING MODULE	QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>														
<b>LOCATION NO. 055A</b>														
Trench/Backfill	1	5			40					US417	1			
										US111	1			Connect riser to triplex for service 724 at location 055B
2" Sch 40 Conduit	1	5												
#4/0 Al URD Triplex	1	40												
Pull fiber, sec or 1 ph pri	1	5												
<b>LOCATION NO. 056</b>														
					40	UP210	1							Owner to set new pole.
Bore for cable or conduit	1	150												To location 057
2" Poly Conduit	3	150												
5" Poly Conduit	1	150												5" conduit for future feeder
#1/0 Sol Al 15kV 220	1	200												Primary to Loc 057, Phase A
Pull fiber, sec or 1 ph pri	1	150												
#1/0 Sol Al 15kV 220	1	390												Primary to Loc 058, Phase C
Pull fiber, sec or 1 ph pri	1	340												
#1/0 Sol Al 15kV 220	1	250												Primary to Loc 077, Phase B
Pull fiber, sec or 1 ph pri	1	200												
#1/0 Sol Al 15kV 220	1	470												Primary to Loc 079, Phase A
Pull fiber, sec or 1 ph pri	1	450												

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<b>AREA 01 Construction</b>											
<b>LOCATION NO. 057</b>											
							UA002	1			Install 1 50 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C	1			
Bore for cable or conduit	1	70									To location 057A
3" Poly Conduit	1	70									
350 Al URD Triplex	1	90									
Pull fiber, sec or 1 ph pri	1	70									
Bore for cable or conduit	1	190									To location 058
2" Poly Conduit	3	190									
Bore for cable or conduit	1	60									To location 057B
3" Poly Conduit	1	60									
350 Al URD Triplex	1	110									
Pull fiber, sec or 1 ph pri	1	60									
#1/0 Sol Al 15kV 220	1	450									Primary to Loc 061
Pull fiber, sec or 1 ph pri	1	430									
<b>LOCATION NO. 057A</b>											
							US417	1			Divert existing URD to new pedestal for service 553

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<b>AREA 01 Construction</b>										
<b>LOCATION NO. 057B</b>										
						US417	1			
Trench/Backfill	1	5								
3" Sch 40 Conduit	1	5				US112	1			Connect riser to triplex for service locations 733 & 734
350 Al URD Triplex	1	40								
Pull fiber, sec or 1 ph pri	1	5								
Bore for cable or conduit	1	130								To location 057C
3" Poly Conduit	1	130								
350 Al URD Triplex	1	150								
Pull fiber, sec or 1 ph pri	1	130								
<b>LOCATION NO. 057C</b>										
						US417	1			Divert existing UG for service 735 to new pedestal
Trench/Backfill	1	5								
<b>LOCATION NO. 057E</b>										
						US417	1			
Trench/Backfill	1	5								
2" Sch 40 Conduit	1	5				US111	1			Connect riser to triplex for service location 736
#4/0 Al URD Triplex	1	40								
Pull fiber, sec or 1 ph pri	1	5								

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 058</b>											
									US417	1	
						UG952	1				Pull box for primary cables to north
Trench/Backfill	1	5			40				US1102	1	Connect riser to street light
1-1/4" Sch 40 Conduit	1	5									
#4 URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	130									To location 059
2" Poly Conduit	2	130									
3" Poly Conduit	1	130									
350 Al URD Triplex	1	150									
Pull fiber, sec or 1 ph pri	3	130									
Bore for cable or conduit	1	120									To location 060A
2" Poly Conduit	1	120									
3" Poly Conduit	1	120									
350 Al URD Triplex	1	200									
Pull fiber, sec or 1 ph pri	1	180									
<b>LOCATION NO. 059</b>											
									US417	1	Divert existing URD into new pedestal for service 554
Bore for cable or conduit	1	75									To 045B
2" Poly Conduit	2	75									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	QTY	APPARATUS MODULE	QTY	SEC/NEUTRAL MODULE	QTY	GND MODULE	QTY	GUYING MODULE	QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>																
<b>LOCATION NO. 060</b>																
Trench/Backfill	1	5						US417	1							
2" Sch 40 Conduit	1	5			40			US111A	1							Reuse riser for services 557, 558
#4/0 Al URD Triplex	1	40														
Pull fiber, sec or 1 ph pri	1	5														
Bore for cable or conduit	1	80														To location 061
2" Poly Conduit	1	80														
3" Poly Conduit	1	80														
350 Al URD Triplex	1	100														
Pull fiber, sec or 1 ph pri	1	80														
<b>LOCATION NO. 060A</b>																
																Existing secondary pedestal
Bore for cable or conduit	1	60														To Loc 060
2" Poly Conduit	1	60														

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 061</b>											
							UA002	1			Install 1 50 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C	1			
Bore for cable or conduit	1	90									To location 062
3" Poly Conduit	1	90									
350 Al URD Triplex	1	110									
Pull fiber, sec or 1 ph pri	1	90									
Bore for cable or conduit	1	330									To location 061A
2" Poly Conduit	1	330									
#1/0 Sol Al 15kV 220	1	590									Primary to Loc 066
Pull fiber, sec or 1 ph pri	1	570									
<b>LOCATION NO. 061A</b>											
											See locations 061 and 065 for conduit installation
<b>LOCATION NO. 062</b>											
Trench/Backfill	1	5			40		US417	1			
							US111	1			Connect riser to triplex for service 559
2" Sch 40 Conduit	1	5									
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	80									To location 063
3" Poly Conduit	1	80									
350 Al URD Triplex	1	100									
Pull fiber, sec or 1 ph pri	1	80									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 063</b>											
									US417	1	Divert existing URD to new pedestal for service 560
<b>LOCATION NO. 065</b>											
Trench/Backfill	1	5			40				US417	1	
									US1102	1	Connect riser to existing street light
1-1/4" Sch 40 Conduit	1	5									
#4 URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	70									To service 561
2" Poly Conduit	1	70							US170	1	
#4/0 Al URD Triplex	1	90									
Pull fiber, sec or 1 ph pri	1	70									
Bore for cable or conduit	1	80									To location 061A
2" Poly Conduit	1	80									
3" Poly Conduit	1	80									
350 Al URD Triplex	1	190									Secondary to Loc 065A
Pull fiber, sec or 1 ph pri	1	150									
Bore for cable or conduit	1	160									To location 066
2" Poly Conduit	1	160									
3" Poly Conduit	1	160									
#1/0 Sol Al 15kV 220	1	180									
350 Al URD Triplex	1	180									
Pull fiber, sec or 1 ph pri	2	160									



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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND QTY	GUYING MODULE	COMMENTS & NOTES	
<b>AREA 01 Construction</b>												
<b>LOCATION NO. 065A</b>												
										US112	1	Connect riser to existing triplex for service 562
<b>LOCATION NO. 066</b>												
										UA002	1	Install 1 25 KVA PM Transformer, 1 Ph, 7.x kV
										UA112C	1	
Trench/Backfill	1	5										
1-1/4" Sch 40 Conduit	1	5			40					US1102	1	Connect riser to existing street light
#4 URD Triplex	1	40										
Pull fiber, sec or 1 ph pri	1	5										
Bore for cable or conduit	1	170										To location 067
3" Poly Conduit	1	170										
350 Al URD Triplex	1	190										
Pull fiber, sec or 1 ph pri	1	170										
Bore for cable or conduit	1	110										To location 069
2" Poly Conduit	1	110										
3" Poly Conduit	1	110										
350 Al URD Triplex	1	300										Pull secondary to Loc 070
Pull fiber, sec or 1 ph pri	1	280										
#1/0 Sol Al 15kV 220	1	300										Primary to Loc 070
Pull fiber, sec or 1 ph pri	1	280										
<b>LOCATION NO. 067</b>												
										US417	1	Divert existing URD to new pedestal for service 563

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 069</b>											
Bore for cable or conduit	1	170									To location 070
2" Poly Conduit	1	170									
3" Poly Conduit	1	170									
<b>LOCATION NO. 070</b>											
						UG952	1				Pull box for primary cable
									US417	1	
Trench/Backfill	1	5									
1-1/4" Sch 40 Conduit	1	5			40				US1102	1	Connect riser to existing street light.
#4 URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	120									To service 564
2" Poly Conduit	1	120							US170	1	
#4/0 Al URD Triplex	1	140									
Pull fiber, sec or 1 ph pri	1	120									
Bore for cable or conduit	1	180									To location 071
2" Poly Conduit	1	180									
#1/0 Sol Al 15kV 220	1	470									Primary to Loc 074
Pull fiber, sec or 1 ph pri	1	450									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 071</b>											
									US417	1	Divert existing URD to new pedestal for service 567
Trench/Backfill	1	5									
2" Sch 40 Conduit	1	5		40					US111A	1	Reuse riser for triplex to service 565 (owner to add service anchor)
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	150									To location 072
3" Poly Conduit	1	150									
350 Al URD Triplex	1	170									
Pull fiber, sec or 1 ph pri	1	150									
Bore for cable or conduit	1	180									To location 073
2" Poly Conduit	1	180									
3" Poly Conduit	1	180									
350 Al URD Triplex	1	290									Pull secondary to Loc 074
Pull fiber, sec or 1 ph pri	1	270									
<b>LOCATION NO. 072</b>											
									US417	1	
Trench/Backfill	1	5		40							
2" Sch 40 Conduit	1	5							US111	1	Connect riser to triplex for service 566
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING MODULE	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 073</b>											
Bore for cable or conduit	1	90									To location 074
2" Poly Conduit	1	90									
3" Poly Conduit	1	90									
<b>LOCATION NO. 074</b>											
							UA002	1			Divert existing URD to new transformer for service 568 Install 1 50 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C	1			
Bore for cable or conduit	1	120									To location 075
2" Poly Conduit	1	120									
3" Poly Conduit	1	120									
350 Al URD Triplex	1	140									
Pull fiber, sec or 1 ph pri	2	120									
#1/0 Sol Al 15kV 220	1	610									Primary to Loc 076D
Pull fiber, sec or 1 ph pri	1	590									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET POLE SIZE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>										
<b>LOCATION NO. 075</b>										
						US417	1			
Trench/Backfill	1	5								
2" Sch 40 Conduit	1	5		40		US111	1			Connect riser to triplex for service 569
#4/0 Al URD Triplex	1	40								
Pull fiber, sec or 1 ph pri	1	5								
Bore for cable or conduit	1	130								To location 076
2" Poly Conduit	1	130								
3" Poly Conduit	1	130								
350 Al URD Triplex	1	150								
Pull fiber, sec or 1 ph pri	1	130								
<b>LOCATION NO. 076</b>										
						US417	1			
Trench/Backfill	1	5								
3" Sch 40 Conduit	1	5		40		US112	1			Connect riser to Meter Service on pole and street light, services 800, 801, 802, 803
350 Al URD Triplex	1	40								
Pull fiber, sec or 1 ph pri	1	5								
Bore for cable or conduit	1	190								To location 076A
2" Poly Conduit	1	190								
5" Poly Conduit	1	190								5" conduit for future feeder

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<b>AREA 01 Construction</b>											
<b>LOCATION NO. 076A</b>											
									US417	1	
Bore for cable or conduit	1	60									To location 076F
3" Poly Conduit	1	60									
350 Al URD Triplex	1	80									
Pull fiber, sec or 1 ph pri	1	60									
Bore for cable or conduit	1	100									To location 076C
2" Poly Conduit	1	100									
#4/0 Al URD Triplex	1	120									
Pull fiber, sec or 1 ph pri	1	100									
Bore for cable or conduit	1	150									To location 076D
2" Poly Conduit	1	150									
3" Poly Conduit	1	150									
5" Poly Conduit	1	150									5" conduit for future feeder
350 Al URD Triplex	1	170									
Pull fiber, sec or 1 ph pri	2	150									
Trench/Backfill	1	5									
2" Sch 40 Conduit	1	5							US111	1	Connect riser to triplex for service 731
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
<b>LOCATION NO. 076B</b>											
									US111	1	Connect riser to triplex for service 726

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	QTY	APPARATUS MODULE	QTY	SEC/NEUTRAL MODULE	QTY	GND MODULE	QTY	GUYING MODULE	QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>																
<b>LOCATION NO. 076C</b>																
								US417	1							Divert existing UG (Existing riser is rigid steel), to new pedestal
<b>LOCATION NO. 076D</b>																
								UA002	1							Divert existing URD to new transformer for services 728 & 729 Install 1 50 KVA PM Transformer, 1 Ph, 7.x kV
								UA115C	1							
Trench/Backfill	1	5														
2" Sch 40 Conduit	1	5	40		UP131N	1		LT50480	1							
								LT10006	1							
								US111A	1							Reuse secondary riser for street light and for triplex feeding service 804
#1/0 Sol Al 15kV 220	1	60														
#4/0 Al URD Triplex	1	40														
Pull fiber, sec or 1 ph pri	2	5														
Bore for cable or conduit	1	100														To location 076E
2" Poly Conduit	1	100														
#4/0 Al URD Triplex	1	120														
Pull fiber, sec or 1 ph pri	1	100														
#1/0 Sol Al 15kV 220	1	60														Primary riser pole to transformer
Pull fiber, sec or 1 ph pri	1	10														

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET POLE SIZE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>										
<b>LOCATION NO. 076E</b>										
Trench/Backfill	1	5						US417	1	
2" Sch 40 Conduit	1	5		40				US111	1	Connect riser to triplex for service 730
#4/0 Al URD Triplex	1	40								
Pull fiber, sec or 1 ph pri	1	5								
<b>LOCATION NO. 076F</b>										
Bore for cable or conduit	1	80						US417	1	To location 076B
2" Poly Conduit	1	80								
#4/0 Al URD Triplex	1	120								
Pull fiber, sec or 1 ph pri	1	80								



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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS MODULE	SEC/NEUTRAL MODULE	GND MODULE	GUYING MODULE	QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>												
<b>LOCATION NO. 077</b>												
							UA002				1	Connect transformer to B phase Install 1 50 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C				1	
Trench/Backfill	1	5										
3" Sch 40 Conduit	1	5			40			US112			1	Connect riser to triplex for services 570, 571, & 572
350 Al URD Triplex	1	40										
Pull fiber, sec or 1 ph pri	1	5										
Bore for cable or conduit	1	110										To location 078
2" Poly Conduit	2	110										Conduit 1 to 83, conduit 2 to 079
3" Poly Conduit	1	110										
350 Al URD Triplex	1	130										
Pull fiber, sec or 1 ph pri	1	110										
#1/0 Sol Al 15kV 220	1	590										Primary to Loc 081, Phase B
Pull fiber, sec or 1 ph pri	1	570										
<b>LOCATION NO. 078</b>												
								US417			1	Divert existing URD to new pedestal for service 576
Trench/Backfill	1	5										
3" Sch 40 Conduit	1	5			40			US112			1	Connect riser to triplex for services 573, 574, & 575
350 Al URD Triplex	1	40						LT50480			1	
Pull fiber, sec or 1 ph pri	1	5						LT10006			1	
Bore for cable or conduit	1	140										To location 079
2" Poly Conduit	2	140										Conduit 1 to 83, conduit 2 to 079

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<b>AREA 01 Construction</b>											
<b>LOCATION NO. 079</b>											
							UA002	1			Connect transformer to A phase Install 1 25 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C	1			
Trench/Backfill	1	5									
2" Sch 40 Conduit	1	5		40			US111	1			Connect riser to triplex for services 578
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	60									To service 577
2" Poly Conduit	1	60					US170	1			
#4/0 Al URD Triplex	1	80									
Pull fiber, sec or 1 ph pri	1	60									
Bore for cable or conduit	1	70									To location 080
2" Poly Conduit	2	70									Conduit 1 to 83, conduit 2 to 081
3" Poly Conduit	1	70									
350 Al URD Triplex	1	90									
Pull fiber, sec or 1 ph pri	1	70									
#1/0 Sol Al 15kV 220	1	590									Primary to Loc 083, Phase A
Pull fiber, sec or 1 ph pri	1	570									

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<b>AREA 01 Construction</b>											
<b>LOCATION NO. 080</b>											
Bore for cable or conduit	1	80							US417	1	To service 579
2" Poly Conduit	1	80							US170	1	
#4/0 Al URD Triplex	1	100									
Pull fiber, sec or 1 ph pri	1	80									
Bore for cable or conduit	1	120									To service 580
2" Poly Conduit	1	120							US170	1	
#4/0 Al URD Triplex	1	140									
Pull fiber, sec or 1 ph pri	1	120									
Bore for cable or conduit	1	250									To location 081
2" Poly Conduit	2	250									Conduit 1 to 83, conduit 2 to 081
Bore for cable or conduit	1	140									To location 057E
3" Poly Conduit	1	140									
350 Al URD Triplex	1	160									
Pull fiber, sec or 1 ph pri	1	140									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS MODULE	SEC/NEUTRAL MODULE	GND MODULE	GUYING MODULE	QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>												
<b>LOCATION NO. 081</b>												
							UA002				1	Connect transformer to A phase Install 1 25 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C				1	
Trench/Backfill	1	5										
2" Sch 40 Conduit	1	5			40			US111			1	Connect riser to triplex for services 581 & 582
#4/0 Al URD Triplex	1	40										
Pull fiber, sec or 1 ph pri	1	5										
Bore for cable or conduit	1	160										To service 583
3" Poly Conduit	1	160						US170			1	
350 Al URD Triplex	1	180										
Pull fiber, sec or 1 ph pri	1	160										
Bore for cable or conduit	1	100										To location 081A
2" Poly Conduit	2	100										Conduit 1 to 83, conduit 2 to 088
3" Poly Conduit	1	100										
350 Al URD Triplex	1	120										
Pull fiber, sec or 1 ph pri	1	100										
#1/0 Sol Al 15kV 220	1	690										Primary to Loc 088, Phase B
Pull fiber, sec or 1 ph pri	1	670										

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<b>AREA 01 Construction</b>											
<b>LOCATION NO. 081A</b>											
Bore for cable or conduit	1	70									To location 082
3" Poly Conduit	1	70									
350 Al URD Triplex	1	90									
Pull fiber, sec or 1 ph pri	1	70									
Bore for cable or conduit	1	150									To location 083
2" Poly Conduit	2	150									Conduit 1 to 83, conduit 2 to 088
<b>LOCATION NO. 082</b>											
Trench/Backfill	1	5					US417			1	
2" Sch 40 Conduit	1	5			40		US111			1	Connect riser to triplex for service 584
#4/0 Al URD Triplex	1	40					LT50480			1	
Pull fiber, sec or 1 ph pri	1	5					LT10006			1	

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<b>AREA 01 Construction</b>											
<b>LOCATION NO. 083</b>											
							UA002	1			Connect transformer to B phase Install 1 25 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C	1			
Bore for cable or conduit	1	70									To location 084
3" Poly Conduit	1	70									
350 Al URD Triplex	1	90									
Pull fiber, sec or 1 ph pri	1	70									
Bore for cable or conduit	1	200									To location 084A
2" Poly Conduit	2	200									Conduit 1 to 088, conduit 2 to 088
1-1/4" Poly Conduit	1	200									
#4 URD Triplex	1	290									Secondary street light cable to Loc 085
Pull fiber, sec or 1 ph pri	1	270									
#1/0 Sol Al 15kV 220	1	440									Primary to Loc 088, Phase A
Pull fiber, sec or 1 ph pri	1	420									
<b>LOCATION NO. 084</b>											
							US417	1			To service 585
Bore for cable or conduit	1	80									
2" Poly Conduit	1	80					US170	1			
#4/0 Al URD Triplex	1	100									
Pull fiber, sec or 1 ph pri	1	80									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING MODULE	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 084A</b>											
Bore for cable or conduit	1	220									To location 088
2" Poly Conduit	4	220									
Bore for cable or conduit	1	370									To location 091
2" Poly Conduit	2	370									Conduit 1 to 001, conduit 2 to 092
Bore for cable or conduit	1	70									To location 085
1-1/4" Poly Conduit	1	70									
<b>LOCATION NO. 085</b>											
Trench/Backfill	1	5					US400			1	
1-1/4" Sch 40 Conduit	1	5		30			US1102			1	Connect riser to street light
#4 URD Triplex	1	30									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	350									To location 086
1-1/4" Poly Conduit	1	350									
#4 URD Triplex	1	390									
Pull fiber, sec or 1 ph pri	1	350									
<b>LOCATION NO. 086</b>											
				30			US1102			1	Connect riser to street light

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<b>AREA 01 Construction</b>										
<b>LOCATION NO. 088</b>										
						JA124NC	1			Install 1 75 KVA PM Transformer, 1 Ph, 7.x kV
						UA002	2			Install 1 50 KVA PM Transformer, 1 Ph, 7.x kV
Trench/Backfill	1	5								
3" Poly Conduit	1	5		40			US112	1		Connect riser to quadplex for service 588
350 Al URD Quadplex	1	40								Raise service attachment on pole for service location 588
Pull fiber, sec or 1 ph pri	1	5								
Bore for cable or conduit	1	100								To service 587
3" Poly Conduit	1	100					US170	1		
350 Al URD Quadplex	1	120								
Pull fiber, sec or 1 ph pri	1	100								
Bore for cable or conduit	1	160								To location 089
3" Poly Conduit	1	160								
350 Al URD Quadplex	1	180								
Pull fiber, sec or 1 ph pri	1	160								
#1/0 Sol Al 15kV 220	2	610								Primary to Loc 092, Phase A/B
Pull fiber, sec or 1 ph pri	2	590								



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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	QTY	GND MODULE	QTY	GUYING MODULE	QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>														
<b>LOCATION NO. 089</b>														
										US405	1			Divert existing URD to new pedestal for service 589
Bore for cable or conduit	1	150												To location 090
3" Poly Conduit	1	150												
350 Al URD Quadplex	1	170												
Pull fiber, sec or 1 ph pri	1	150												
<b>LOCATION NO. 090</b>														
										US405	1			
Trench/Backfill	1	5												
3" Sch 40 Conduit	1	5			40					US112	1			Connect riser to Meter on Pole for service 590
350 Al URD Quadplex	1	40												
Pull fiber, sec or 1 ph pri	1	5												
<b>LOCATION NO. 091</b>														
										US417	1			Divert existing URD to new pedestal for service 591
Trench/Backfill	1	5												
2" Sch 40 Conduit	1	5			40					US111A	1			Reuse riser connect to triplex for services 592 & 593
#4/0 Al URD Triplex	1	40												
Pull fiber, sec or 1 ph pri	1	5												
Bore for cable or conduit	1	130												To location 092
2" Poly Conduit	2	130												Conduit 1 to 001, conduit 2 to 092
3" Poly Conduit	1	130												
350 Al URD Triplex	1	150												
Pull fiber, sec or 1 ph pri	1	130												

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING MODULE	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 092</b>											
							UA002	1			Connect transformer to A phase Install 1 50 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C	1			
						UG952	1				Pull box for primary cable
Trench/Backfill	1	5									
2" Sch 40 Conduit	1	5			40			US111	1		Connect riser to triplex for service 594
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	140									To location 093
2" Poly Conduit	2	140									Conduit 1 to 001, conduit 2 to 001
3" Poly Conduit	1	140									
350 Al URD Triplex	1	160									
Pull fiber, sec or 1 ph pri	1	140									
<b>LOCATION NO. 093</b>											
								US417	1		Divert URD to new pedestal for service 595
Trench/Backfill	1	5			40						
1-1/4" Sch 40 Conduit	1	5						US111A	1		
#4 URD Triplex	1	40									Connect riser to street light
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	140									To location 094
2" Poly Conduit	2	140									

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<b>AREA 01 Construction</b>											
<b>LOCATION NO. 094</b>											
											See locations 001 and 093 for conduit installation
<hr/>											
<b>LOCATION NO. 095</b>											
					40						Owner to set new pole
					UP170N	1					
Bore for cable or conduit	1	110									To location 096
2" Poly Conduit	2	110									Conduit 1 to 098, conduit 3 to 099
Bore for cable or conduit	1	80									To location 104
2" Poly Conduit	3	80									Conduit 1 to 106, conduit 2 to 110, conduit 3 to 110
#1/0 Sol Al 15kV 220	1	390									Primary to Loc 098, Phase A
Pull fiber, sec or 1 ph pri	1	340									
#1/0 Sol Al 15kV 220	2	870									Primary to Loc 110, Phase B/C
Pull fiber, sec or 1 ph pri	2	820									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 096</b>											
Trench/Backfill	1	5							US417	1	Connect existing street light to riser
2" Sch 40 Conduit	1	5			40				US111	1	Connect riser to triplex for service 596
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	150									To location 097
2" Poly Conduit	2	150									Conduit 1 to 098, conduit 3 to 099
3" Poly Conduit	1	150									
350 Al URD Triplex	1	170									
Pull fiber, sec or 1 ph pri	1	150									

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<b>AREA 01 Construction</b>											
<b>LOCATION NO. 097</b>											
									US417	1	Divert existing URD to new pedestal for service 597
Trench/Backfill	1	5									Connect existing street light to riser
2" Sch 40 Conduit	1	5							US111A	1	Reuse riser and connect to triplex for service 598
#4/0 Al URD Triplex	1	40			40						
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	110									To service location 599
2" Poly Conduit	1	110							US170	1	
#4/0 Al URD Triplex	1	130									
Pull fiber, sec or 1 ph pri	1	110									
Bore for cable or conduit	1	80									to locaiton 098
2" Poly Conduit	2	80									Conduit 1 to 098, conduit 3 to 099
3" Poly Conduit	1	80									
350 Al URD Triplex	1	100									
Pull fiber, sec or 1 ph pri	1	80									

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<b>AREA 01 Construction</b>																
<b>LOCATION NO. 098</b>																
								UA002	1							Connect transformer to A phase Install 1 50 KVA PM Transformer, 1 Ph, 7.x kV
								UA115C	1							
						UG952	1									Pulll box for primary cable
Bore for cable or conduit	1	220														To location 099
2" Poly Conduit	2	220														Conduit 1 to 099, conduit 3 to 099
Bore for cable or conduit	1	80														To location 101
3" Poly Conduit	1	80														
350 Al URD Triplex	1	100														
Pull fiber, sec or 1 ph pri	1	80														
#1/0 Sol Al 15kV 220	1	240														Primary to Loc 099, Phase A
Pull fiber, sec or 1 ph pri	1	220														
#1/0 Sol Al 15kV 220	1	240														Primary to Loc 099, Phase A
Pull fiber, sec or 1 ph pri	1	220														
#1/0 Sol Al 15kV 220	1	680														Primary to Loc 106, Phase A
Pull fiber, sec or 1 ph pri	1	660														

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<b>AREA 01 Construction</b>											
<b>LOCATION NO. 099</b>											
							UA002	1			Divert existing URD into new transformer for service 600 Install 1 25 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C	1			Connect transformer to A phase
Trench/Backfill	1	5		40			US111A	1			Reuse existing riser to connect street light
1-1/4" Sch 40 Conduit	1	5									
#4 URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
<b>LOCATION NO. 101</b>											
Trench/Backfill	1	5					US417	1			Connect existing street light to riser
2" Sch 40 Conduit	1	5		40			US111	1			Connect riser to triplex for services 601 & 602
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	80									To location 102
3" Poly Conduit	1	80									
350 Al URD Triplex	1	100									
Pull fiber, sec or 1 ph pri	1	80									

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<b>AREA 01 Construction</b>																	
<b>LOCATION NO. 102</b>																	
Trench/Backfill	1	5						US417	1								
2" Sch 40 Conduit	1	5			40			US111	1								Connect riser to triplex for service 604
#4/0 Al URD Triplex	1	40															
Pull fiber, sec or 1 ph pri	1	5															
Bore for cable or conduit	1	60															To service location 603
2" Poly Conduit	1	60						US170	1								
#4/0 Al URD Triplex	1	80															
Pull fiber, sec or 1 ph pri	1	60															
<b>LOCATION NO. 104</b>																	
Trench/Backfill	1	5						US417	1								
2" Sch 40 Conduit	1	5			40			US111	1								Connect riser to triplex for service 605
#4/0 Al URD Triplex	1	40															
Pull fiber, sec or 1 ph pri	1	5															
Bore for cable or conduit	1	140															To service location 606
2" Poly Conduit	1	140						US170	1								
#4/0 Al URD Triplex	1	160															
Pull fiber, sec or 1 ph pri	1	140															
Bore for cable or conduit	1	130															To location 105
2" Poly Conduit	3	130															Conduit 1 to 106, conduit 2 to 110, conduit 3 to 110
3" Poly Conduit	1	130															
350 Al URD Triplex	1	150															
Pull fiber, sec or 1 ph pri	1	130															



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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	QTY	GND MODULE	QTY	GUYING MODULE	QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>														
<b>LOCATION NO. 105</b>														
														US417 1 Divert existing URD to new pedestal for service 608 (replace existing pedestal)
Trench/Backfill	1	5												
2" Sch 40 Conduit	1	5			40									US111A 1 Reuse riser connect to triplex for services 607 & 609 and street light
#4/0 Al URD Triplex	1	40												
Pull fiber, sec or 1 ph pri	1	5												
Bore for cable or conduit	1	110												To location 106
2" Poly Conduit	3	110												Conduit 1 to 106, conduit 2 to 110, conduit 3 to 110
3" Poly Conduit	1	110												
350 Al URD Triplex	1	130												
Pull fiber, sec or 1 ph pri	1	110												

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<b>AREA 01 Construction</b>																
<b>LOCATION NO. 106</b>																
								UA002	1							Connect transformer to C phase Install 1 75 KVA PM Transformer, 1 Ph, 7.x kV
								UA115C	1							
Bore for cable or conduit	1	50														To service location 610 (two meters)
3" Poly Conduit	1	50						US170	1							
350 Al URD Triplex	1	70														
Pull fiber, sec or 1 ph pri	1	50														
Bore for cable or conduit	1	90														To location 107
2" Poly Conduit	3	90														Conduit 1 to 110, conduit 2 to 110, conduit 3 to 110
3" Poly Conduit	1	90														
350 Al URD Triplex	1	110														
Pull fiber, sec or 1 ph pri	1	90														

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 107</b>											
									US417	1	Divert existing URD to new pedestal for service 614
Trench/Backfill	1	5									
2" Sch 40 Conduit	1	5		40					US111A	1	Reuse existing riser for triplex feeding services 611, 612 & 613
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	170									To location 108
2" Poly Conduit	3	170									Conduit 1 to 110, conduit 2 to 110, conduit 3 to 110
3" Poly Conduit	1	170									
350 Al URD Triplex	1	190									
Pull fiber, sec or 1 ph pri	1	170									
<b>LOCATION NO. 108</b>											
									US417	1	
Trench/Backfill	1	5									
2" Sch 40 Conduit	1	5		40					US111	1	Connect riser to triplex for service 615 and to street light
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	100									To location 109
2" Poly Conduit	3	100									Conduit 1 to 110, conduit 2 to 110, conduit 3 to 110
3" Poly Conduit	1	100									
350 Al URD Triplex	1	120									
Pull fiber, sec or 1 ph pri	1	100									

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<b>AREA 01 Construction</b>										
<b>LOCATION NO. 109</b>										
Trench/Backfill	1	5						US417	1	
2" Sch 40 Conduit	1	5		40				US111	1	Connect riser to triplex for service 616
#4/0 Al URD Triplex	1	40								
Pull fiber, sec or 1 ph pri	1	5								
Bore for cable or conduit	1	80								To Jct Cab at location 110
2" Poly Conduit	3	80								Conduit 1 to 110, conduit 2 to 110, conduit 3 to 110
<b>LOCATION NO. 110</b>										
			40		UP201	1		UA563C	1	
					UG226	3				Open point in cabinet
					UG222	3				
Trench/Backfill	1	10								To riser pole
4" Sch 40 Conduit	1	10								Install primary riser and primary metering, move metering from location 111
#1/0 Sol Al 15kV 220	3	60								
Pull small 3 ph pri	1	10								
Bore for cable or conduit	1	340								To location 112
2" Poly Conduit	4	340								
#1/0 Sol Al 15kV 220	3	60								Primary, primary meter & riser pole to Jct Cab
Pull fiber, sec or 1 ph pri	3	10								
#1/0 Sol Al 15kV 220	3	360								Primary to Loc 112, Phases A/B/C
Pull fiber, sec or 1 ph pri	3	340								

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<b>AREA 01 Construction</b>											
<b>LOCATION NO. 111</b>											
Bore for cable or conduit	1	100		40		UP131N	1				To location 110
2" Poly Conduit	1	100									Remove primary metering and reuse on location 110
											Owner will replace pole after contractor removes metering and before single phase riser is installed. Do not jumper across double DE.
#1/0 Sol Al 15kV 220	1	460									Customer owned primary, riser pole to transformer at Loc 112
Pull fiber, sec or 1 ph pri	1	440									
<b>LOCATION NO. 112</b>											
											Existing customer owned transformer connect load side cable from location 111
											Pull box for primary cable
Bore for cable or conduit	1	120				UG952	1				To location 113
2" Poly Conduit	3	120									
#1/0 Sol Al 15kV 220	1	140									Primary to Loc 113, Phase B
Pull fiber, sec or 1 ph pri	1	120									
#1/0 Sol Al 15kV 220	1	590									Primary to Loc 118, Phase C
Pull fiber, sec or 1 ph pri	1	570									
#1/0 Sol Al 15kV 220	1	730									Primary to Loc 200, Phase A
Pull fiber, sec or 1 ph pri	1	710									

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<b>AREA 01 Construction</b>											
<b>LOCATION NO. 113</b>											
							UA002	1			Connect transformer to B phase Install 1 50 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C	1			
Trench/Backfill	1	5									
2" Sch 40 Conduit	1	5			40		US111	1			Connect riser to triplex for services 617 & 619
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	90									To location 114
3" Poly Conduit	1	90									
350 Al URD Triplex	1	110									
Pull fiber, sec or 1 ph pri	1	90									
Bore for cable or conduit	1	160									To location 115
2" Poly Conduit	3	160									Conduit 1 to 203, conduit 2 to 203, conduit 3 to 118
3" Poly Conduit	1	160									
350 Al URD Triplex	1	180									
Pull fiber, sec or 1 ph pri	1	160									
#1/0 Sol Al 15kV 220	1	610									Primary to Loc 200, Phase B
Pull fiber, sec or 1 ph pri	1	590									

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<b>AREA 01 Construction</b>											
<b>LOCATION NO. 114</b>											
							US417	1			Divert existing URD to new pedetal for service 618
Trench/Backfill	1	5									
2" Sch 40 Conduit	1	5		40			US111A	1			Reuse riser and connect to triplex for service 620
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
<b>LOCATION NO. 115</b>											
							US417	1			Divert existing URD to new pedestal for service 621
Trench/Backfill	1	5									
2" Sch 40 Conduit	1	5		40			US111A	1			Reuse riser and connect to triplex for service 624
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	90									To location 116
3" Poly Conduit	1	90									
350 Al URD Triplex	1	110									
Pull fiber, sec or 1 ph pri	1	90									
Bore for cable or conduit	1	180									To location 117
2" Poly Conduit	3	180									Conduit 1 to 203, conduit 2 to 203, conduit 3 to 118

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET POLE SIZE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>										
<b>LOCATION NO. 116</b>										
Trench/Backfill	1	5						US417	1	
2" Sch 40 Conduit	1	5		40				US111	1	Connect riser to triplex for services 622 & 623
#4/0 Al URD Triplex	1	40								
Pull fiber, sec or 1 ph pri	1	5								
<b>LOCATION NO. 117</b>										
Trench/Backfill	1	5						US417	1	
2" Sch 40 Conduit	1	5		40				US112	1	Connect riser to triplex for services 625, 626 & 627 & street light
350 Al URD Triplex	1	40								
Pull fiber, sec or 1 ph pri	1	5								
Bore for cable or conduit	1	110								To location 118
2" Poly Conduit	3	110								Conduit 1 to 203, conduit 2 to 203, conduit 3 to 118
3" Poly Conduit	1	110								
350 Al URD Triplex	1	130								
Pull fiber, sec or 1 ph pri	1	110								



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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING MODULE	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 118</b>											
							UA002	1			Connect transformer to A phase Install 1 50 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C	1			To service location 630
Bore for cable or conduit	1	90									
2" Poly Conduit	1	90					US170	1			
#4/0 Al URD Triplex	1	110									
Pull fiber, sec or 1 ph pri	1	90									
Bore for cable or conduit	1	90									To location 119
3" Poly Conduit	1	90									
350 Al URD Triplex	1	110									
Pull fiber, sec or 1 ph pri	1	90									
Bore for cable or conduit	1	140									To location 200
2" Poly Conduit	3	140									Conduit 1 to 203, conduit 2 to 203, conduit 3 to 203
3" Poly Conduit	1	140									
350 Al URD Triplex	1	160									
Pull fiber, sec or 1 ph pri	1	140									
#1/0 Sol Al 15kV 220	1	160									Primary to Loc 200, Phase C
Pull fiber, sec or 1 ph pri	1	140									
<b>LOCATION NO. 119</b>											
							US417	1			
Trench/Backfill	1	5									
2" Sch 40 Conduit	1	5			40		US111	1			Connect riser to triplex for services 628 & 629
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 120</b>											
							UA002	1			Install 1 25 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C	1			
Trench/Backfill	1	5									
2" Sch 40 Conduit	1	5		40			US111	1			Connect riser to triplex for services 646 & 649
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	200									To location 121
3" Poly Conduit	1	200									
350 Al URD Triplex	1	220									
Pull fiber, sec or 1 ph pri	1	200									
Bore for cable or conduit	1	150									To location 122
2" Poly Conduit	1	150									
5" Poly Conduit	1	150									5" conduit for future feeder
#1/0 Sol Al 15kV 220	1	240									Primary to Loc 123, Phase A
Pull fiber, sec or 1 ph pri	1	220									
#1/0 Sol Al 15kV 220	1	380									Primary to Loc 208, Phase A
Pull fiber, sec or 1 ph pri	1	360									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 121</b>											
							US417	1			Divert existing URD to new pedestal for service 648
Trench/Backfill	1	5									Connect existing street light to riser
2" Sch 40 Conduit	1	5	40				US111A	1			Reuse riser connect to triplex for service 647
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
<b>LOCATION NO. 122</b>											
							US417	1			
Trench/Backfill	1	5									
3" Sch 40 Conduit	1	5	40				US112	1			Connect riser to triplex for services 650, 651, & 652
350 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	60									To location 123
2" Poly Conduit	1	60									
3" Poly Conduit	1	60									
5" Poly Conduit	1	60									5" conduit for future feeder
350 Al URD Triplex	1	80									
Pull fiber, sec or 1 ph pri	1	60									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET POLE SIZE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>										
<b>LOCATION NO. 123</b>										
				40		UA002	1			Install 1 25 KVA PM Transformer, 1 Ph, 7.x kV
						UA115C	1			
					UP170N	1				
Trench/Backfill	1	15								Riser pole to transformer, Owner to set new pole
2" Poly Conduit	1	15								
#1/0 Sol Al 15kV 220	1	50								
Pull fiber, sec or 1 ph pri	1	15								
Bore for cable or conduit	1	400								To location 124
2" Poly Conduit	1	400								
Bore for cable or conduit	1	150								To location 125
2" Poly Conduit	3	150								2 - 2" Empty conduits for future switchgear.
3" Poly Conduit	1	150								
5" Poly Conduit	1	150								5" conduit for future feeder
350 Al URD Triplex	1	170								
Pull fiber, sec or 1 ph pri	1	150								
#1/0 Sol Al 15kV 220	1	65								Primary riser pole to transformer, Phase A
Pull fiber, sec or 1 ph pri	1	15								
#1/0 Sol Al 15kV 220	1	450								Primary to Loc 124, Phase C
Pull fiber, sec or 1 ph pri	1	400								
#1/0 Sol Al 15kV 220	1	660								Primary to Loc 127, Phase B
Pull fiber, sec or 1 ph pri	1	610								

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 124</b>											
						UG215MB	1				Install elbow on existing transformer
<b>LOCATION NO. 125</b>											
									US417	1	Divert existing URD to new pedestal for service 653
Trench/Backfill	1	5									
1-1/4" Sch 40 Conduit	1	5							US111A	1	Reuse riser connect to street light.
#4 URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	110									To location 125A
2" Poly Conduit	3	110									2 - 2" Empty conduits for future switchgear
5" Poly Conduit	1	110									5" conduit for future feeder
<b>LOCATION NO. 125A</b>											
Bore for cable or conduit	1	180									To location 126
2" Poly Conduit	1	180									
<b>LOCATION NO. 126</b>											
Bore for cable or conduit	1	220									To location 127
2" Poly Conduit	2	220									
Bore for cable or conduit	1	150									To location 128
2" Poly Conduit	1	150									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 127</b>											
							UA002	1			Install 1 25 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C	1			
Bore for cable or conduit	1	110									To location 127A
3" Poly Conduit	1	110			40						
350 Al URD Triplex	1	130									
Pull fiber, sec or 1 ph pri	1	110									
#1/0 Sol Al 15kV 220	1	340									Primary to Loc 128, Phase B
Pull fiber, sec or 1 ph pri	1	320									
<b>LOCATION NO. 127A</b>											
							US417	1			
Trench/Backfill	1	5									
2" Sch 40 Conduit	1	5			35		US111	1			Connect riser to service 654
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
<b>LOCATION NO. 128</b>											
							UG215MB	1			Install Elbow on existing transformer

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES	
<b>AREA 01 Construction</b>												
<b>LOCATION NO. 129</b>												
							UA002	1			Divert URD to transformer for service 656 Install 1 25 KVA PM Transformer, 1 Ph, 7.x kV	
							UA115C	1		GY602	1	Install anchor 20 ft south of pole
							UG952	1				Pull box for primary cable
			40			OP655A	1					Convert pole to dead end
										GY304	1	Pri downguy on back of DE arm
										GY110	1	Mount pole eye plate below span guy attachment
										GY303	1	Connect transformer to C phase
Bore for cable or conduit	1	130										To location 130
2" Poly Conduit	2	130										
3" Poly Conduit	1	130										
350 Al URD Triplex	1	150										
Pull fiber, sec or 1 ph pri	1	130										
#1/0 Sol Al 15kV 220	1	420										Primary to Loc 133, Phase C
Pull fiber, sec or 1 ph pri	1	400										
#1/0 Sol Al 15kV 220	1	590										Primary to Loc 149, Phase B
Pull fiber, sec or 1 ph pri	1	570										
#1/0 Sol Al 15kV 220	2	530										Primary to Loc 203, Phase B/C
Pull fiber, sec or 1 ph pri	2	510										

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 130</b>											
Trench/Backfill	1	5							US417	1	
2" Sch 40 Conduit	1	5			40				US111	1	Connect riser to triplex for service 658B
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	100									To location 131
3" Poly Conduit	1	100									
350 Al URD Triplex	1	120									
Pull fiber, sec or 1 ph pri	1	100									
Bore for cable or conduit	1	150									To location 146
2" Poly Conduit	1	150									
Bore for cable or conduit	1	110									To location 132
2" Poly Conduit	1	110									
3" Poly Conduit	1	110									
350 Al URD Triplex	1	130									
Pull fiber, sec or 1 ph pri	1	110									
<b>LOCATION NO. 131</b>											
Trench/Backfill	1	5							US417	1	
2" Sch 40 Conduit	1	5			40				US111	1	Connect riser to triplex feeding service 658A
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									



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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 132</b>											
Trench/Backfill	1	5								US417 1	
2" Sch 40 Conduit	1	5			40					US111 1	Connect riser to triplex feeding 657
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	160									To location 133
2" Poly Conduit	1	160									
<b>LOCATION NO. 133</b>											
										UA002 1	Divert URD to new transformer for services 658 & 659 Install 1 25 KVA PM Transformer, 1 Ph, 7.x kV
Bore for cable or conduit	1	140								UA115C 1	To location 134
3" Poly Conduit	1	140									
350 Al URD Triplex	1	160									
Pull fiber, sec or 1 ph pri	1	140									
Bore for cable or conduit	1	110									To location 135
2" Poly Conduit	1	110									
1-1/4" Poly Conduit	1	110									
#4 URD Triplex	1	150									
Pull fiber, sec or 1 ph pri	1	110									
#1/0 Sol Al 15kV 220	1	840									Primary to Loc 143, Phase C
Pull fiber, sec or 1 ph pri	1	820									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	QTY	GND MODULE	QTY	GUYING MODULE	QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>														
<b>LOCATION NO. 134</b>														
										US417	1			Divert URD to new pedestal for service 661A
Bore for cable or conduit	1	60												To location 660A
2" Poly Conduit	1	60								US170	1			
#4/0 Al URD Triplex	1	80												
Pull fiber, sec or 1 ph pri	1	60												
<b>LOCATION NO. 135</b>														
										US1102	1			Connect riser to street light
						UG242MB	1							Splice to existing primary cable going north to location 124
Bore for cable or conduit	1	170												To location 136
2" Poly Conduit	2	170												
#1/0 Sol Al 15kV 220	1	730												Primary to Loc 143, Phase C
Pull fiber, sec or 1 ph pri	1	710												
<b>LOCATION NO. 136</b>														
										US417	1			
Trench/Backfill	1	5												
2" Sch 40 Conduit	1	5			40					US111	1			Connect riser to triplex feeding service 724
#4/0 Al URD Triplex	1	40								LT50480	1			
Pull fiber, sec or 1 ph pri	1	5								LT10006	1			
Bore for cable or conduit	1	140												To location 137
2" Poly Conduit	2	140												

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET POLE SIZE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>										
<b>LOCATION NO. 137</b>										
Trench/Backfill	1	5						US417	1	
3" Sch 40 Conduit	1	5		40				US112	1	Connect riser to triplex the feeds services 660, 661, 662
350 Al URD Triplex	1	40								
Pull fiber, sec or 1 ph pri	1	5								
Bore for cable or conduit	1	120								To location 138
2" Poly Conduit	2	120								
3" Poly Conduit	1	120								
350 Al URD Triplex	1	140								
Pull fiber, sec or 1 ph pri	1	120								

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 138</b>											
							UA002	1			Install 1 75 KVA PM Transformer, 1 Ph, 7.x kV
							UA112C	1			
Trench/Backfill	1	5									
2" Sch 40 Conduit	1	5		40			US111	1			Connect riser to triplex feeding services 663, 666
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	120									To service 664
2" Poly Conduit	1	120					US170	1			
#4/0 Al URD Triplex	1	140									
Pull fiber, sec or 1 ph pri	1	120									
Bore for cable or conduit	1	60									To service 665
2" Poly Conduit	1	60					US170	1			
#4/0 Al URD Triplex	1	80									
Pull fiber, sec or 1 ph pri	1	60									
Bore for cable or conduit	1	120									To location 139
2" Poly Conduit	2	120									
3" Poly Conduit	1	120									
350 Al URD Triplex	1	140									
Pull fiber, sec or 1 ph pri	1	120									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	QTY	GND MODULE	QTY	GUYING MODULE	QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>														
<b>LOCATION NO. 139</b>														
Trench/Backfill	1	5												
2" Sch 40 Conduit	1	5			40					US417	1			
#4/0 Al URD Triplex	1	40								US111	1			Connect riser to triplex for services 667, 668
Pull fiber, sec or 1 ph pri	1	5												
Bore for cable or conduit	1	70												To location 140
2" Poly Conduit	2	70												
<b>LOCATION NO. 140</b>														
Bore for cable or conduit	1	160												To location 141
3" Poly Conduit	1	160												
Bore for cable or conduit	1	90												To location 143
2" Poly Conduit	2	90												
3" Poly Conduit	1	90												

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	QTY	GND MODULE	QTY	GUYING MODULE	QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>														
<b>LOCATION NO. 141</b>														
										US417	1			Divert existing URD to new pedestal for service 669
Trench/Backfill	1	5												
1-1/4" Sch 40 Conduit	1	5		40						US111A	1			Reuse existing riser and connect to street light
#4 URD Triplex	1	40												
Pull fiber, sec or 1 ph pri	1	5												
Bore for cable or conduit	1	195												To location 142
1-1/4" Poly Conduit	1	195												
#4 URD Triplex	1	235												
Pull fiber, sec or 1 ph pri	1	195												
<b>LOCATION NO. 142</b>														
				35						US1102	1			Connect riser to street light

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 143</b>											
							UA002	1			Install 1 50 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C	1			
Trench/Backfill	1	5									
3" Sch 40 Conduit	1	5		40			US112	1			Connect riser to triplex for services 670, 671, 672
350 AI URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	130									To location 144
3" Poly Conduit	1	130									
350 AI URD Triplex	1	150									
Pull fiber, sec or 1 ph pri	1	130									
350 AI URD Triplex	1	270									Pull secondary to Loc 141
Pull fiber, sec or 1 ph pri	1	250									
<b>LOCATION NO. 144</b>											
							US417	1			
Trench/Backfill	1	5									
2" Sch 40 Conduit	1	5		40			US111	1			Connect riser to triplex for service 673
#4/0 AI URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	80									To location 145
3" Poly Conduit	1	80									
350 AI URD Triplex	1	100									
Pull fiber, sec or 1 ph pri	1	80									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS MODULE	SEC/NEUTRAL MODULE	GND MODULE	GUYING MODULE	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 145</b>											
							US417	1			Divert URD to new pedestal for service 675
Trench/Backfill	1	5									
2" Sch 40 Conduit	1	5		40			US111A	1			Reuse riser and connect to triplex for services 674, 676
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
<b>LOCATION NO. 146</b>											
							US417	1			
Trench/Backfill	1	5									
2" Sch 40 Conduit	1	5		40			US111	1			Connect riser to triplex for service 677
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	60									To service location 678
2" Poly Conduit	1	60					US170	1			
#4/0 Al URD Triplex	1	80									
Pull fiber, sec or 1 ph pri	1	60									
Bore for cable or conduit	1	130									To location 148
2" Poly Conduit	1	130									
3" Poly Conduit	1	130									
350 Al URD Triplex	1	150									
Pull fiber, sec or 1 ph pri	1	130									



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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET POLE SIZE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>										
<b>LOCATION NO. 148</b>										
Trench/Backfill	1	5						US417	1	
2" Sch 40 Conduit	1	5		40				US111	1	Connect riser to triplex for service 805
#4/0 Al URD Triplex	1	40								
Pull fiber, sec or 1 ph pri	1	5								
Bore for cable or conduit	1	160								To location 149
2" Poly Conduit	1	160								
3" Poly Conduit	1	160								
350 Al URD Triplex	1	180								
Pull fiber, sec or 1 ph pri	1	160								

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET POLE SIZE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>										
<b>LOCATION NO. 149</b>										
						UA002	1			Divert URD for service 681 to new transformer Install 1 50 KVA PM Transformer, 1 Ph, 7.x kV
						UA115C	1			Connect transformer to B phase
Trench/Backfill	1	5								
3" Sch 40 Conduit	1	5		40			US112	1		Connect riser to triplex for services 679, 680,, 682
350 Al URD Triplex	1	40					LT50480	1		Install new light
Pull fiber, sec or 1 ph pri	1	5					LT10006	1		
Bore for cable or conduit	1	140								To location 150
2" Poly Conduit	1	140								
3" Poly Conduit	1	140								
350 Al URD Triplex	1	160								
Pull fiber, sec or 1 ph pri	1	140								
#1/0 Sol Al 15kV 220	1	450								Primary to Loc 153, Phase B
Pull fiber, sec or 1 ph pri	1	430								

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 150</b>											
Trench/Backfill	1	5							US417	1	
2" Sch 40 Conduit	1	5		40					US111	1	Connect riser to triplex for service 683
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	90									To location 151
1-1/4" Poly Conduit	1	90									
#4 URD Triplex	1	110									
Pull fiber, sec or 1 ph pri	1	90									
Bore for cable or conduit	1	120									To location 152
2" Poly Conduit	1	120									
<b>LOCATION NO. 151</b>											
Trench/Backfill	1	5							US400	1	
1-1/4" Sch 40 Conduit	1	5		40					US1102	1	Connect riser to meter on pole for service 684
#4 URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
<b>LOCATION NO. 152</b>											
Bore for cable or conduit	1	170									To location 153
2" Poly Conduit	1	170									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET POLE SIZE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>										
<b>LOCATION NO. 152A</b>										
Trench/Backfill	1	5						US417	1	
2" Sch 40 Conduit	1	5		40				US111	1	Connect riser to triplex for service 685
#4/0 Al URD Triplex	1	40								
Pull fiber, sec or 1 ph pri	1	5								

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 153</b>											
							UA002	1			Install 1 50 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C	1			
Trench/Backfill	1	5									
1-1/4" Sch 40 Conduit	1	5		40			US1102	1			Connect riser to street light
#4 URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	150									To location 154
3" Poly Conduit	1	150									
350 Al URD Triplex	1	170									
Pull fiber, sec or 1 ph pri	1	150									
Bore for cable or conduit	1	190									To location 152A
3" Poly Conduit	1	190									
350 Al URD Triplex	1	210									
Pull fiber, sec or 1 ph pri	1	190									
Bore for cable or conduit	1	250									To location 155
2" Poly Conduit	1	250									
3" Poly Conduit	1	250									
350 Al URD Triplex	1	270									
Pull fiber, sec or 1 ph pri	1	250									
#1/0 Sol Al 15kV 220	1	940									Primary to Loc 159, Phase B
Pull fiber, sec or 1 ph pri	1	920									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 154</b>											
Trench/Backfill	1	5							US417	1	
2" Sch 40 Conduit	1	5							US111	1	Connect riser to triplex for services 686, 687
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
<b>LOCATION NO. 155</b>											
Bore for cable or conduit	1	100							US417	1	To location 156
3" Poly Conduit	1	100									
350 Al URD Triplex	1	150									
Pull fiber, sec or 1 ph pri	1	100									
Bore for cable or conduit	1	120									To location 157
2" Poly Conduit	1	120									
3" Poly Conduit	1	120									
350 Al URD Triplex	1	140									
Pull fiber, sec or 1 ph pri	1	120									
<b>LOCATION NO. 156</b>											
				40					US111	1	Connect riser to triplex for service 688

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	QTY	GND MODULE	QTY	GUYING MODULE	QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>														
<b>LOCATION NO. 157</b>														
Bore for cable or conduit	1	100								US417	1			To location 158
3" Poly Conduit	1	100												
350 Al URD Triplex	1	150												
Pull fiber, sec or 1 ph pri	1	100												
Bore for cable or conduit	1	550												To location 159
2" Poly Conduit	1	550												
<b>LOCATION NO. 158</b>														
				40						US111	1			Connect riser to triplex for service 689
<b>LOCATION NO. 159</b>														
Bore for cable or conduit	1	120				UG952	1							To location 160
2" Poly Conduit	2	120												
3" Poly Conduit	1	120												
Bore for cable or conduit	1	100												To location 166
2" Poly Conduit	1	100												
3" Poly Conduit	1	100												
#1/0 Sol Al 15kV 220	2	920												Primary to Loc 162, Phase B/B
Pull fiber, sec or 1 ph pri	2	900												
#1/0 Sol Al 15kV 220	1	340												Primary to Loc 169, Phase B
Pull fiber, sec or 1 ph pri	1	320												

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 160</b>											
Bore for cable or conduit	1	200							US417	1	To location 161
3" Poly Conduit	1	200									
350 AI URD Triplex	1	240									
Pull fiber, sec or 1 ph pri	1	200									
Bore for cable or conduit	1	170									To location 160A
2" Poly Conduit	2	170									
1-1/4" Poly Conduit	1	170									
#4 URD Triplex	1	210									
Pull fiber, sec or 1 ph pri	1	170									
350 AI URD Triplex	1	320									Pull secondary to Loc 167
Pull fiber, sec or 1 ph pri	1	300									
<b>LOCATION NO. 160A</b>											
				40					US1102	1	Connect riser to new street light
									LT50480	1	
Bore for cable or conduit	1	610							LT10006	1	To location 162
2" Poly Conduit	2	610									
<b>LOCATION NO. 161</b>											
				40					US111	1	Connect riser to meter on pole for service 690



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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 162</b>											
							UA002	1			Install 1 25 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C	1			
						UG952		1			Pull box for primary cable
Trench/Backfill	1	5									
2" Sch 40 Conduit	1	5		40			US111	1			Connect riser to meter on pole for service 691
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	400									To location 163
2" Poly Conduit	2	400									
#1/0 Sol Al 15kV 220	2	580									Primary to Loc 164, Phase B/B
Pull fiber, sec or 1 ph pri	2	560									
<b>LOCATION NO. 163</b>											
				40			US1102	1			Connect riser to street light
Bore for cable or conduit	1	160									To location 164
2" Poly Conduit	2	160									
1-1/4" Poly Conduit	1	160									
#4 URD Triplex	1	200									
Pull fiber, sec or 1 ph pri	1	160									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 164</b>											
							UA002	1			Install 1 25 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C	1			
Trench/Backfill	1	5									
2" Sch 40 Conduit	1	5		40			US111	1			Connect riser to meter on pole for service 692
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	150									To location 165
3" Poly Conduit	1	150									
350 Al URD Triplex	1	190									
Pull fiber, sec or 1 ph pri	1	150									
<b>LOCATION NO. 165</b>											
				40			US111	1			Connect riser to meter on pole for service 693
<b>LOCATION NO. 166</b>											
Bore for cable or conduit	1	80									To location 167
2" Poly Conduit	2	80									
3" Poly Conduit	1	80									
Bore for cable or conduit	1	70									To location 174
2" Poly Conduit	1	70									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	QTY	GND MODULE	QTY	GUYING MODULE	QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>														
<b>LOCATION NO. 167</b>														
Bore for cable or conduit	1	120								US417	1			To location 168
2" Poly Conduit	1	120												
#4/0 Al URD Triplex	1	160												
Pull fiber, sec or 1 ph pri	1	120												
Bore for cable or conduit	1	140												To location 169
2" Poly Conduit	2	140												
3" Poly Conduit	1	140												
350 Al URD Triplex	1	160												
Pull fiber, sec or 1 ph pri	1	140												
<b>LOCATION NO. 168</b>														
				40						US111	1			Connect riser to triplex for services 694, 695

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 169</b>											
							UA002	1			Install 1 50 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C	1			
Bore for cable or conduit	1	120									To location 170
2" Poly Conduit	1	120									
#4/0 Al URD Triplex	1	160									
Pull fiber, sec or 1 ph pri	1	120									
Bore for cable or conduit	1	140									To location 171
3" Poly Conduit	1	140									
350 Al URD Triplex	1	160									
Pull fiber, sec or 1 ph pri	1	140									
#1/0 Sol Al 15kV 220	1	590									Primary to Loc 178, Phase B
Pull fiber, sec or 1 ph pri	1	570									
<b>LOCATION NO. 170</b>											
					40				US111	1	Connect riser to triplex for services 696, 697

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 171</b>											
Bore for cable or conduit	1	60							US417	1	To service 698
2" Poly Conduit	1	60							US170	1	
#4/0 Al URD Triplex	1	80									
Pull fiber, sec or 1 ph pri	1	60									
Bore for cable or conduit	1	90									To service 699
2" Poly Conduit	1	90							US170	1	
#4/0 Al URD Triplex	1	110									
Pull fiber, sec or 1 ph pri	1	90									
Bore for cable or conduit	1	140									To location 172
3" Poly Conduit	1	140									
350 Al URD Triplex	1	160									
Pull fiber, sec or 1 ph pri	1	140									
<b>LOCATION NO. 172</b>											
Bore for cable or conduit	1	120							US417	1	To location 173
2" Poly Conduit	1	120									
#4/0 Al URD Triplex	1	140									
Pull fiber, sec or 1 ph pri	1	120									
<b>LOCATION NO. 173</b>											
									US213	3	Splice onto existing UG for service 700 and remove existing pedestal.

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<b>AREA 01 Construction</b>											
<b>LOCATION NO. 174</b>											
Bore for cable or conduit	1	120									To location 175
2" Poly Conduit	1	120									
1-1/4" Poly Conduit	1	120									Empty Conduit for future street light.
<hr/>											
<b>LOCATION NO. 175</b>											
Bore for cable or conduit	1	120					US400	1			To location 176
1-1/4" Poly Conduit	1	120									
Bore for cable or conduit	1	80									To location 177
2" Poly Conduit	1	80									
1-1/4" Poly Conduit	1	80									
#4 URD Triplex	1	120									
Pull fiber, sec or 1 ph pri	1	80									
<hr/>											
<b>LOCATION NO. 177</b>											
Bore for cable or conduit	1	90					US417	1			To service 701
2" Poly Conduit	1	90					US170	1			
#4/0 Al URD Triplex	1	110									
Pull fiber, sec or 1 ph pri	1	90									
Bore for cable or conduit	1	80									To location 178
2" Poly Conduit	1	80									
3" Poly Conduit	1	80									
350 Al URD Triplex	1	100									
Pull fiber, sec or 1 ph pri	1	80									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	QTY	GND MODULE	QTY	GUYING MODULE	QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>														
<b>LOCATION NO. 178</b>														
							UA002		1					Install 1 75 KVA PM Transformer, 1 Ph, 7.x kV
							UA112C		1					
Trench/Backfill	1	5												
3" Sch 40 Conduit	1	5			40					US112		1		Connect riser to triplex for services 702, 703, 704, 705, 706
350 Al URD Triplex	1	40												
Pull fiber, sec or 1 ph pri	1	5												
Bore for cable or conduit	1	130												To location 179
2" Poly Conduit	1	130												
3" Poly Conduit	1	130												
350 Al URD Triplex	1	150												
Pull fiber, sec or 1 ph pri	1	130												
#1/0 Sol Al 15kV 220	1	390												Primary to Loc 183, Phase B
Pull fiber, sec or 1 ph pri	1	370												

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	QTY	GND MODULE	QTY	GUYING MODULE	QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>														
<b>LOCATION NO. 179</b>														
														New 350 kcmil to exist pedestal for service 708
Trench/Backfill	1	5												
2" Sch 40 Conduit	1	5			40			US111A	1					Reuse riser and connect to triplex for services 707, 709
#4/0 Al URD Triplex	1	40												
Pull fiber, sec or 1 ph pri	1	5												
Bore for cable or conduit	1	70												To service 710
2" Poly Conduit	1	70						US170	1					
#4/0 Al URD Triplex	1	90												
Pull fiber, sec or 1 ph pri	1	70												
Bore for cable or conduit	1	120												To location 180
2" Poly Conduit	1	120												



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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 180</b>											
Trench/Backfill	1	5							US417	1	
2" Sch 40 Conduit	1	5			40				US111	1	Connect riser to triplex for service 711
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	50									To service 712
2" Poly Conduit	1	50							US170	1	
#4/0 Al URD Triplex	1	70									
Pull fiber, sec or 1 ph pri	1	50									
Bore for cable or conduit	1	120									To location 181
1-1/4" Poly Conduit	1	120									
Bore for cable or conduit	1	120									To location 182
1-1/4" Poly Conduit	1	120									
Bore for cable or conduit	1	120									To location 183
2" Poly Conduit	1	120									
3" Poly Conduit	1	120									
350 Al URD Triplex	1	140									
Pull fiber, sec or 1 ph pri	1	120									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 183</b>											
							UA002	1			Install 1 75 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C	1			
Trench/Backfill	1	5									
2" Sch 40 Conduit	1	5		40			US111	1			Connect riser to triplex for service 716
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	70									To service 713
2" Poly Conduit	1	70					US170	1			
#4/0 Al URD Triplex	1	90									
Pull fiber, sec or 1 ph pri	1	70									
Bore for cable or conduit	1	80									To service 714
2" Poly Conduit	1	80					US170	1			
#4/0 Al URD Triplex	1	100									
Pull fiber, sec or 1 ph pri	1	80									
Bore for cable or conduit	1	100									To service 715
2" Poly Conduit	1	100					US170	1			
#4/0 Al URD Triplex	1	120									
Pull fiber, sec or 1 ph pri	1	100									
Bore for cable or conduit	1	120									To location 184
2" Poly Conduit	1	120									
3" Poly Conduit	1	120									
350 Al URD Triplex	1	140									
Pull fiber, sec or 1 ph pri	1	120									
#1/0 Sol Al 15kV 220	1	390									Primary to Loc 185, Phase B
Pull fiber, sec or 1 ph pri	1	370									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 184</b>											
Trench/Backfill	1	5							US417	1	
3" Sch 40 Conduit	1	5			40				US112	1	Connect riser to triplex for services 717, 718, 719, 720
350 AI URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	130									To location 185
2" Poly Conduit	1	130									
<b>LOCATION NO. 185</b>											
									UA002	1	Divert existing primary going north to location 128 to new transformer Install 1 50 KVA PM Transformer, 1 Ph, 7.x kV
									UA115C	1	Divert existing URD for service 732 to new transformer
Bore for cable or conduit	1	180									To location 186
3" Poly Conduit	1	180									
350 AI URD Triplex	1	200									
Pull fiber, sec or 1 ph pri	1	180									
Bore for cable or conduit	1	150									To location 189
3" Poly Conduit	1	150									
350 AI URD Triplex	1	170									
Pull fiber, sec or 1 ph pri	1	150									
<b>LOCATION NO. 185A</b>											
									US417	1	Replace existing pedestal

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET POLE SIZE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>										
<b>LOCATION NO. 186</b>										
Trench/Backfill	1	5						US417	1	
2" Sch 40 Conduit	1	5		40				US111	1	Connect riser to triplex feeding service 721
#4/0 Al URD Triplex	1	40								
Pull fiber, sec or 1 ph pri	1	5								
Bore for cable or conduit	1	110								To location 188
3" Poly Conduit	1	110								
350 Al URD Triplex	1	130								
Pull fiber, sec or 1 ph pri	1	110								
<b>LOCATION NO. 188</b>										
Trench/Backfill	1	5						US417	1	
2" Sch 40 Conduit	1	5		40				US111	1	Connect riser to triplex feeding service 722
#4/0 Al URD Triplex	1	40								
Pull fiber, sec or 1 ph pri	1	5								
								LT10006	1	Install street light
								LT50480	1	

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<b>AREA 01 Construction</b>										
<b>LOCATION NO. 189</b>										
Trench/Backfill	1	5						US417	1	
2" Sch 40 Conduit	1	5		40				US111	1	Connect riser to triplex feeding service 723
#4/0 Al URD Triplex	1	40								
Pull fiber, sec or 1 ph pri	1	5								
Bore for cable or conduit	1	90								To location 136
3" Poly Conduit	1	90								
350 Al URD Triplex	1	110								
Pull fiber, sec or 1 ph pri	1	90								
Bore for cable or conduit	1	90								To location 189A
1-1/4" Poly Conduit	1	90								Conduit for future street light

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 200</b>											
						UG952	1			US417	1
Trench/Backfill	1	5									
1-1/4" Sch 40 Conduit	1	5			40					US1102	1
											Connect riser to street light
#4 URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	110									To location 201
3" Poly Conduit	1	110									
350 Al URD Triplex	1	130									
Pull fiber, sec or 1 ph pri	1	110									
Bore for cable or conduit	1	150									To location 202
2" Poly Conduit	3	150									Conduit 1 to 203, conduit 2 to 203, conduit 3 to 203
5" Poly Conduit	1	150									5" conduit for future feeder
						UA601	1				Set Jct Cabinet for 5" empty conduit.
#1/0 Sol Al 15kV 220	3	320									Primary to Loc 203, Phase A/B/C
Pull fiber, sec or 1 ph pri	3	300									
<b>LOCATION NO. 201</b>											
										US417	1
Trench/Backfill	1	5									
2" Sch 40 Conduit	1	5			40					US111	1
											Connect riser to triplex for service 631
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 202</b>											
											Existing pedestal for service 632A
Trench/Backfill	1	5									
2" Sch 40 Conduit	1	5		40			US111A		1		Connect riser to triplex for services 632 & 633
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	150									To location 203
2" Poly Conduit	3	150									Conduit 1 to 203, conduit 2 to 203, conduit 3 to 203
5" Poly Conduit	1	150									5" conduit for future feeder
3" Poly Conduit	1	150									
350 Al URD Triplex	1	170									
Pull fiber, sec or 1 ph pri	1	150									

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<b>AREA 01 Construction</b>											
<b>LOCATION NO. 203</b>											
							UA251-1	1			
						UG1100	6	UA231A	1		
Trench/Backfill	1	15									Swgr to Riser Pole, Owner to replace pole at location 203
2" Sch 40 Conduit	3	15									
#4/0 Str Al 15kV 220	3	60	40		UP175N	1					
Bore for cable or conduit	1	140									To location 204
2" Poly Conduit	3	140									
5" Poly Conduit	1	140									5" conduit for future feeder
3" Poly Conduit	1	140									
350 Al URD Triplex	1	160									
Pull fiber, sec or 1 ph pri	1	140									
								US417	1		
Bore for cable or conduit	1	70									To service locaiton 634
2" Poly Conduit	1	70						US170	1		
#4/0 Al URD Triplex	1	90									
Pull fiber, sec or 1 ph pri	1	70									
Trench/Backfill	1	5									
1-1/4" Sch 40 Conduit	1	5						US1102	1		Connect riser to street light.
#4 URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
#1/0 Sol Al 15kV 220	1	160									Primary to Loc 204, Phase A
Pull fiber, sec or 1 ph pri	1	140									



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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS MODULE	SEC/NEUTRAL MODULE	GND MODULE	GUYING MODULE	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 204</b>											
							UA002	1			Connect transformer to A phase Install 1 50 KVA PM Transformer, 1 Ph, 7.x kV
							UA115C	1			
Trench/Backfill	1	5									
2" Sch 40 Conduit	1	5			40		US111	1			Connect riser to triplex for service 635
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	130									To service 638
2" Poly Conduit	1	130					US170	1			
#4/0 Al URD Triplex	1	150									
Pull fiber, sec or 1 ph pri	1	130									
Bore for cable or conduit	1	120									To location 205
2" Poly Conduit	3	120									
3" Poly Conduit	1	120									
5" Poly Conduit	1	120									5" conduit for future feeder
350 Al URD Triplex	1	140									
Pull fiber, sec or 1 ph pri	4	120									
#1/0 Sol Al 15kV 220	1	470									Primary to Loc 208, Phase A
Pull fiber, sec or 1 ph pri	1	450									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 205</b>											
Trench/Backfill	1	5							US417	1	
2" Sch 40 Conduit	1	5			40				US111	1	Connect riser to triplex for services 636 & 637 and to street light
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	100									To location 206
2" Poly Conduit	3	100									
5" Poly Conduit	1	100									5" conduit for future feeder
<hr/>											
<b>LOCATION NO. 206</b>											
									US417	1	Divert existing URD to new pedestal for service 655
Bore for cable or conduit	1	110									To location 207
2" Poly Conduit	1	110									
5" Poly Conduit	1	110									5" conduit for future feeder
Bore for cable or conduit	1	150									To location 129
2" Poly Conduit	2	150									
3" Poly Conduit	1	150									
350 Al URD Triplex	1	170									
Pull fiber, sec or 1 ph pri	1	150									

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	QTY	APPARATUS MODULE	QTY	SEC/NEUTRAL MODULE	QTY	GND MODULE	QTY	GUYING MODULE	QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>																
<b>LOCATION NO. 207</b>																
Trench/Backfill	1	5						US417	1							
2" Sch 40 Conduit	1	5			40			US111	1							Connect riser to triplex for service 639
#4/0 Al URD Triplex	1	40														
Pull fiber, sec or 1 ph pri	1	5														
Bore for cable or conduit	1	120														To location 208
2" Poly Conduit	1	120														
3" Poly Conduit	1	120														
5" Poly Conduit	1	120														5" conduit for future feeder
350 Al URD Triplex	1	140														
Pull fiber, sec or 1 ph pri	1	120														
<b>LOCATION NO. 208</b>																
								UA002	1							Install 1 50 KVA PM Transformer, 1 Ph, 7.x kV
								UA112C	1							Divert existing URD into new transformer for services 640, 641, 642 & 643
Bore for cable or conduit	1	140														To location 209
2" Poly Conduit	1	140														
3" Poly Conduit	1	140														
5" Poly Conduit	1	140														5" conduit for future feeder
350 Al URD Triplex	1	160														
Pull fiber, sec or 1 ph pri	1	140														

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 01 Construction</b>											
<b>LOCATION NO. 209</b>											
							US417	1			Divert existing UG to pedestal for service 644
Trench/Backfill	1	5									
2" Sch 40 Conduit	1	5		40			US111A	1			Connect riser to triplex for service 645
#4/0 Al URD Triplex	1	40									
Pull fiber, sec or 1 ph pri	1	5									
Bore for cable or conduit	1	90									To location 210
2" Poly Conduit	1	90									
5" Poly Conduit	1	90									5" conduit for future feeder
1-1/4" Poly Conduit	1	90									1 1/4" conduit for future street light
<hr/>											
<b>LOCATION NO. 210</b>											
Bore for cable or conduit	1	130									To location 120
2" Poly Conduit	1	130									
5" Poly Conduit	1	130									5" conduit for future feeder

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 001R</b>											
Remove OH Span	1	110									Remove TX to 003R Remove 1 Secondary Framing Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 15 KVA OH Transformer
<b>LOCATION NO. 003R</b>											
											Remove 1 Secondary Framing
<b>LOCATION NO. 004R</b>											
Remove OH Span	4	90									Remove 1 Down Guy and Anchor Remove 1 Three Phase Primary Framing Remove primary and TX to 005R Remove 1 Secondary Framing
Remove OH Span	4	125									Rem Pri, CN, and TX to 077R
<b>LOCATION NO. 005R</b>											
Remove OH Span	4	90									Remove primary and TX to 006R Remove 1 Street Light Luminaire Remove 1 Secondary Framing Remove 1 Three Phase Primary Framing

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING MODULE	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 006AR</b>											
											#Type!
											Remove 1 Down Guy and Anchor
<hr/>											
<b>LOCATION NO. 006R</b>											
Remove OH Span	3	160									Remove primary to 007AR
											Remove 1 d Pole
											Remove 1 Span Guy
											Remove 1 Three Phase Primary Framing
<hr/>											
<b>LOCATION NO. 007AR</b>											
Remove OH Span	3	120									Remove primary to 007R
											Remove 1 d Pole
											Remove 1 Three Phase Primary Framing
<hr/>											
<b>LOCATION NO. 007R</b>											
Remove OH Span	1	50									Remove TX to 054R
											Remove 1 Secondary Framing
Remove OH Span	3	110									Remove Pri and TX to 051R
											Remove 1 Three Phase Primary Framing
Remove OH Span	2	175									Rem Pri and CN to 008R
											Remove 1 Span Guy
<hr/>											

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET POLE SIZE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>										
<b>LOCATION NO. 008R</b>										
Remove OH Span	2	80								Rem Pri and TX to 009R Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing
<b>LOCATION NO. 009R</b>										
Remove OH Span	2	130								Rem Pri and TX to 010R Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 15 KVA OH Transformer
<b>LOCATION NO. 010R</b>										
Remove OH Span	2	60								Rem Pri and TX to 011R Remove 1 Single Phase Primary Framing
Remove OH service drop	1	50								Rem service to 509 Remove 1 Secondary Framing
<b>LOCATION NO. 011R</b>										
Remove OH Span	3	65								Rem Pri, CN, and TX to 013R Remove 1 Single Phase Primary Framing
Remove OH Span	1	50								Rem TX to 012R Remove 1 Secondary Framing

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING MODULE	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 012R</b>											
											Remove 1 Secondary Framing
<b>LOCATION NO. 013R</b>											
Remove OH Span	2	205									Rem Pri and CN to 014AR Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing Remove 1 Street Light Luminaire
<b>LOCATION NO. 014AR</b>											
Remove OH Span	2	140									Rem Pri and CN to 015R Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing
<b>LOCATION NO. 015R</b>											
											Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 10 KVA OH Transformer Remove 1 Down Guy and Anchor Remove 1 Down Guy



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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND QTY	GUYING MODULE	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 016R</b>											
Remove OH Span	1	115									Rem TX to 020R Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing Remove 1 Down Guy and Anchor Remove 1 Down Guy
<b>LOCATION NO. 017R</b>											
Remove OH Span	3	120									Rem Pri and TX to 016R Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 25 KVA OH Transformer Remove 1 Secondary Riser
<b>LOCATION NO. 018R</b>											
Remove OH Span	3	95									Rem Pri and TX to 017R Remove 1 Single Phase Primary Framing
Remove OH Span	1	55									Rem TX to 019R Remove 1 Secondary Framing

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<b>AREA 02 Removal</b>											
<b>LOCATION NO. 019R</b>											
											Remove 1 Secondary Framing
<b>LOCATION NO. 020R</b>											
											Remove 1 Secondary Framing
<b>LOCATION NO. 021R</b>											
Remove OH Span	3	90									Rem Pri , DX and CN to 025R
											Remove 1 Single Phase Primary Framing
Remove OH Span	2	180									Rem Pri and CN to 022R
											Remove 1 Secondary Framing
											Remove 1 Down Guy
<b>LOCATION NO. 022R</b>											
Remove OH Span	3	120									Rem Pri, CN, and TX to 023R
											Remove 1 Single Phase Primary Framing
Remove OH service drop	1	100									Rem Service to 519
											Remove 1 Secondary Framing
											Remove 1 Secondary Riser
											Remove 1 Street Light Luminaire

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 023R</b>											
Remove OH Span	1	155									Rem TX to 024R Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing Remove 1 Secondary Riser Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 10 KVA OH Transformer Remove 1 Down Guy
<b>LOCATION NO. 024R</b>											
											Remove 1 Secondary Framing Remove 1 Secondary Riser
<b>LOCATION NO. 025R</b>											
Remove OH Span	2	110									Rem Pri and TX to 026R Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing

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<b>AREA 02 Removal</b>											
<b>LOCATION NO. 026R</b>											
Remove OH Span	3	130									Rem Pri and CN to 030R, TX to 030AR Remove 1 Single Phase Primary Framing
Remove OH Span	2	60									Rem Pri and TX to 027R Remove 1 Secondary Framing  Remove 1 Apparatus Framing, 1 Phase Transformer  Remove 1 25 KVA OH Transformer
<b>LOCATION NO. 027R</b>											
Remove OH Span	3	115									Rem Pri, CN, and TX to 028R Remove 1 Single Phase Primary Framing
Remove OH service drop	1	50									Rem service to 525 Remove 1 Secondary Framing
<b>LOCATION NO. 028R</b>											
Remove OH Span	3	190									Rem Pri, CN, and TX to 029R Remove 1 Single Phase Primary Framing  Remove 1 Secondary Framing  Remove 1 Down Guy and Anchor
<b>LOCATION NO. 029BR</b>											
											Remove 1 Secondary Pedestal

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 029R</b>											
											Remove 1 Single Phase Primary Framing
											Remove 1 Secondary Framing
											Remove 1 Single Phase Primary Riser Framing
											Remove 1 Down Guy
<hr/>											
<b>LOCATION NO. 030AR</b>											
											Remove 1 Secondary Framing
<hr/>											
<b>LOCATION NO. 030R</b>											
Remove OH Span	1	60									Rem TX to 031R
											Remove 1 Secondary Framing
Remove OH Span	2	130									Rem Pri and CN to 033R
											Remove 1 Single Phase Primary Framing
											Remove 2 Down Guy and Anchors
<hr/>											
<b>LOCATION NO. 031R</b>											
Remove OH Span	1	55									Rem TX to 032R
											Remove 1 Secondary Framing
<hr/>											

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<b>AREA 02 Removal</b>											
<b>LOCATION NO. 032R</b>											
											Remove 1 Secondary Framing
											Remove 1 Down Guy
<b>LOCATION NO. 033R</b>											
											Remove 1 Single Phase Primary Framing
											Remove 1 Secondary Framing
											Remove 1 Secondary Riser
											Remove 1 Apparatus Framing, 1 Phase Transformer
											Remove 1 50 KVA OH Transformer
											Remove 1 Down Guy and Anchor
<b>LOCATION NO. 034R</b>											
Remove OH Span	2	125									Rem Pri and TX to 030R
											Remove 1 Single Phase Primary Framing
											Remove 1 Secondary Framing

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<b>AREA 02 Removal</b>										
<b>LOCATION NO. 035R</b>										
Remove OH Span	2	115								Rem Pri and TX to 034R Remove 1 Single Phase Primary Framing
Remove OH Span	1	50								Rem TX to 036R Remove 1 Secondary Framing Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 25 KVA OH Transformer
<hr/>										
<b>LOCATION NO. 036R</b>										
										Remove 1 Secondary Framing
<hr/>										
<b>LOCATION NO. 037R</b>										
Remove OH Span	2	120								Rem Pri and TX to 035R Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing
<hr/>										
<b>LOCATION NO. 038R</b>										
Remove OH Span	2	120								Rem Pri and TX to 037R Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing
Remove OH Span	1	130								Rem TX to 038AR Remove 1 Secondary Framing
<hr/>										

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	QTY	GND MODULE	QTY	GUYING MODULE	QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>														
<b>LOCATION NO. 039R</b>														
Remove OH Span	1	165												Rem TX to 040R Remove 1 Three Phase Primary Framing
Remove OH Span	2	125												Rem Pri and TX to 038R Remove 1 Down Guy and Anchor Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 15 KVA OH Transformer Remove 1 Span Guy
<b>LOCATION NO. 040R</b>														
														Remove 1 Secondary Framing Remove 1 Down Guy and Anchor
<b>LOCATION NO. 041R</b>														
														Remove 1 Down Guy
<b>LOCATION NO. 042R</b>														
Remove OH Span	3	150												Rem Pri and TX to 039R Remove 1 Three Phase Primary Framing Remove 1 Secondary Framing Remove 1 Secondary Riser



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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING MODULE	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 043R</b>											
Remove OH Span	3	60									Rem Pri and CN to 042R Remove 1 Three Phase Primary Framing Remove 1 Secondary Framing
<b>LOCATION NO. 044AR</b>											
Remove OH Span	3	70									Remove Pri and CN to 044R Remove 1 Three Phase Primary Framing
Remove OH service drop	1	90									Remove 1 Secondary Framing
<b>LOCATION NO. 044R</b>											
Remove OH Span	1	50									Remove TX to 045R Remove 1 Three Phase Primary Framing
Remove OH Span	3	160									Remove Pri and TX to 043R Remove 1 Secondary Framing
Remove OH Span	3	100									Remove Pri and TX to 046R
Remove OH service drop	1	60									
<b>LOCATION NO. 045R</b>											
											Remove 1 Secondary Framing Remove 1 Down Guy Remove 1 Secondary Riser

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 046AR</b>											
Remove OH service drop	1	60									Remove 1 Secondary Framing
<b>LOCATION NO. 046R</b>											
Remove OH Span	3	85									Remove Pri and TX to 048R Remove 1 Single Phase Primary Framing
Remove OH Span	1	60									Remove TX to 046AR Remove 1 Secondary Framing
<b>LOCATION NO. 047R</b>											
											Remove 1 Secondary Framing
<b>LOCATION NO. 048R</b>											
Remove OH Span	3	115									Rem Pri and TX to 050 Remove 1 Single Phase Primary Framing
Remove OH Span	1	60									Rem TX to 047R Remove 1 Secondary Framing
Remove OH Span	1	50									Rem TX to 049R Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 15 KVA OH Transformer
<b>LOCATION NO. 049R</b>											
											Rem service to 546 Remove 1 Secondary Framing

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET POLE SIZE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>										
<b>LOCATION NO. 050R</b>										
Remove OH Span	3	95								Rem Pri and TX to 018R Remove 1 Secondary Framing Remove 1 Single Phase Primary Framing
<b>LOCATION NO. 051R</b>										
Remove OH Span	3	90								Remove Pri and TX to 044AR Remove 1 Three Phase Primary Framing Remove 1 Secondary Framing Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 25 KVA OH Transformer Remove 1 Street Light Luminaire
<b>LOCATION NO. 054R</b>										
Remove OH Span	1	75								Remove TX to 055R Remove 1 Secondary Framing Remove 1 Down Guy

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND QTY	GUYING MODULE	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 055AR</b>											
											Remove 1 Secondary Framing
											Remove 1 Street Light Luminaire
											Remove 1 Down Guy and Anchor
<hr/>											
<b>LOCATION NO. 055BR</b>											
											Remove 1 Street Light Luminaire
<hr/>											
<b>LOCATION NO. 055R</b>											
Remove OH Span	1	130									Remove TX to 055AR
											Remove 1 Secondary Framing
<hr/>											
<b>LOCATION NO. 057AR</b>											
											Remove 1 Secondary Framing
											Remove 1 Secondary Riser
<hr/>											
<b>LOCATION NO. 057BR</b>											
Remove OH Span	1	115									Rem TX to 057CR
											Remove 1 Secondary Framing
											Remove 1 Apparatus Framing, 1 Phase Transformer
											Remove 1 10 KVA OH Transformer

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 057CR</b>											
Remove OH Span	1	110									Rem TX to 057DR Remove 1 Secondary Framing Remove 1 Secondary Riser
<b>LOCATION NO. 057DR</b>											
Remove OH Span	1	120									Rem TX to 057ER Remove 1 Secondary Framing
<b>LOCATION NO. 057ER</b>											
Remove OH service drop	1	90									Remove service drop to service 579 Remove 1 Secondary Framing Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 25 KVA OH Transformer
<b>LOCATION NO. 057R</b>											
Remove OH Span	1	50									Rem TX to 057AR Remove 1 Secondary Framing
Remove OH Span	1	75									Rem TX to 057BR Remove 1 Secondary Framing

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING MODULE	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 058R</b>											
Remove OH Span	1	110									Rem TX to 059R Remove 1 Secondary Framing
Remove OH service drop	1	50									Rem service to 555
<hr/>											
<b>LOCATION NO. 059R</b>											
											Remove 1 Secondary Framing Remove 1 Secondary Riser
<hr/>											
<b>LOCATION NO. 060R</b>											
Remove OH Span	1	170									Rem TX to 058R Remove 1 Secondary Framing
<hr/>											
<b>LOCATION NO. 062R</b>											
Remove OH Span	1	90									Rem TX to 060R Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 37 KVA OH Transformer Remove 1 Down Guy and Anchor
<hr/>											

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 064AR</b>											
Remove OH Span	2	95									Rem Pri and CN to 064R Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing
<b>LOCATION NO. 064BR</b>											
Remove OH Span	2	65									Rem Pri and CN to 064AR Remove 1 Single Phase Primary Framing
Remove OH Span	1	115									Rem TX to 064CR Remove 1 Secondary Framing
<b>LOCATION NO. 064CR</b>											
											Remove 1 Secondary Framing
<b>LOCATION NO. 064R</b>											
Remove OH Span	3	130									Rem Pri, CN, and TX to 062 Remove 1 Single Phase Primary Framing
Remove OH service drop	1	80									Rem service drop to 560 Remove 1 Secondary Framing

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	QTY	GND MODULE	QTY	GUYING MODULE	QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>														
<b>LOCATION NO. 065R</b>														
Remove OH Span	2	120												Rem Pri and CN to 064BR Remove 1 Single Phase Primary Framing
Remove OH service drop	1	50												Rem serve to 561 Remove 1 Secondary Framing
Remove OH service drop	1	70												Rem service to 562 Remove 1 Secondary Framing
<hr/>														
<b>LOCATION NO. 066R</b>														
Remove OH Span	2	120												Remove Pri and TX to 065R Remove 1 Single Phase Primary Framing
Remove OH Span	2	80												Remove Pri and TX to 069R Remove 1 Down Guy
<hr/>														
<b>LOCATION NO. 067R</b>														
Remove OH Span	1	100												Remove TX to 066R Remove 1 Secondary Framing
<hr/>														
<b>LOCATION NO. 068R</b>														
Remove OH Span	1	110												Remove TX to 067R Remove 1 Secondary Framing Remove 1 Street Light Luminaire
<hr/>														



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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 069AR</b>											
Remove OH Span	2	95									Rem Pri and TX to 070R Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing
<b>LOCATION NO. 069R</b>											
Remove OH Span	2	110									Remove Pri and TX to 069AR Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing Remove 2 Down Guys
<b>LOCATION NO. 070AR</b>											
Remove OH Span	1	90									Rem TX to 071R Remove 1 Secondary Framing
<b>LOCATION NO. 070R</b>											
Remove OH Span	1	110									Rem TX to 070AR Remove 1 Single Phase Primary Framing
Remove OH service drop	1	100									Rem service to 564 Remove 1 Secondary Framing Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 25 KVA OH Transformer

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING MODULE	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 071R</b>											
Remove OH Span	1	140									Remove TX to 072R Remove 1 Secondary Framing Remove 1 Down Guy and Anchor
<b>LOCATION NO. 072R</b>											
											Remove 1 Down Guy and Anchor
<b>LOCATION NO. 074R</b>											
Remove OH Span	1	145									Rem TX to 075R Remove 1 Secondary Framing Remove 1 Down Guy and Anchor Remove 1 Secondary Riser Remove 1 Street Light Luminaire
<b>LOCATION NO. 075R</b>											
Remove OH Span	1	90									Rem TX to 076R Remove 1 Secondary Framing

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING MODULE	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 076AR</b>											
Remove OH Span	1	120									Rem TX to 076BR Remove 1 Secondary Framing
Remove OH Span	1	50									Rem TX to 076CR
Remove OH Span	1	140									Rem TX to 076DR
<hr/>											
<b>LOCATION NO. 076BR</b>											
											Remove 1 Secondary Framing
<hr/>											
<b>LOCATION NO. 076CR</b>											
											Remove 1 Secondary Framing Remove sec riser in rigid steel conduit, divert service to new pedestal Remove 1 Secondary Riser
<hr/>											
<b>LOCATION NO. 076DR</b>											
Remove OH Span	1	50									Rem TX to 076ER Remove 1 Secondary Framing Reuse sec riser to feed TX south from new pad mtd transformer Remove 1 50 KVA OH Transformer
<hr/>											

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 076ER</b>											
											Remove 1 Secondary Framing
<b>LOCATION NO. 077R</b>											
Remove OH Span	5	115									Rem Pri, CN, and 2xTX to 078R Remove 1 Three Phase Primary Framing Remove 1 Secondary Framing
<b>LOCATION NO. 078R</b>											
Remove OH Span	4	125									Rem Pri, CN, and TX to 079R Remove 1 Three Phase Primary Framing Remove 1 Secondary Framing Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 10 KVA OH Transformer Remove 1 Secondary Riser
<b>LOCATION NO. 079R</b>											
Remove OH Span	5	105									Rem Pri, and 2xTX to 080AR Remove 1 Three Phase Primary Framing
Remove OH service drop	1	50									Rem service to 577 Remove 1 Secondary Framing

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 080AR</b>											
Remove OH Span	3	75									Rem Pri to 080BR Remove 1 Three Phase Primary Framing
Remove OH service drop	1	100									Remove service drop to service 580 Remove 1 Secondary Framing Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 37 KVA OH Transformer
<hr/>											
<b>LOCATION NO. 080BR</b>											
Remove OH Span	3	105									Rem Pri to 081R Remove 1 Three Phase Primary Framing
<hr/>											
<b>LOCATION NO. 081R</b>											
Remove OH Span	3	115									Rem Pri and TX to 082R Remove 1 Three Phase Primary Framing
Remove OH service drop	1	80									Remove service to 583 Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 25 KVA OH Transformer Remove 1 Street Light Luminaire
<hr/>											

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 082R</b>											
Remove OH Span	1	115									Remove TX to 068R Remove 1 Three Phase Primary Framing
Remove OH service drop	1	50									Remove service to 585 Remove 2 Down Guy and Anchors
<hr/>											
<b>LOCATION NO. 083R</b>											
Remove OH Span	1	110									Remove TX to 082R Remove 1 Secondary Framing Remove 1 Street Light Luminaire
<hr/>											
<b>LOCATION NO. 084R</b>											
Remove OH Span	1	110									Remove TX to 083R Remove 1 Secondary Framing
<hr/>											
<b>LOCATION NO. 085AR</b>											
Remove OH Span	1	145									Rem DX to 086R Remove 1 Secondary Framing
<hr/>											
<b>LOCATION NO. 085R</b>											
Remove OH Span	1	135									Rem DX to 085AR Remove 1 Secondary Framing
Remove OH Span	1	95									Remove TX to 084R Remove 1 Down Guy
<hr/>											

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	QTY	GND MODULE	QTY	GUYING MODULE	QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>														
<b>LOCATION NO. 086R</b>														
Remove OH Span	1	145												Rem DX to 100R Remove 1 Secondary Framing
<hr/>														
<b>LOCATION NO. 087AR</b>														
Remove OH Span	4	120												Remove Pri and CN to 087R Remove 1 Three Phase Primary Framing Remove 1 Secondary Framing
<hr/>														
<b>LOCATION NO. 087R</b>														
Remove OH Span	4	105												Rem Pri and CN to 090AR Remove 1 Three Phase Primary Framing Remove 1 Secondary Framing Remove 1 Span Guy Remove 1 Down Guy
<hr/>														

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND QTY	GUYING MODULE	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 088R</b>											
Remove OH Span	4	90									Remove Pri and TX to 087AR Remove 1 Three Phase Primary Framing Raise service attachment after removing transformers Remove 1 Secondary Framing  Remove 1 Apparatus Framing, 3 Phase Transformer  Remove 2 25 KVA OH Transformers  Remove 1 37 KVA OH Transformer  Remove 1 Down Guy
<b>LOCATION NO. 089R</b>											
Remove OH Span	1	125									Rem QD to 088R Remove 1 Secondary Framing  Remove 1 Secondary Riser
<b>LOCATION NO. 090AR</b>											
Remove OH Span	4	85									Rem Pri and CN to 090BR Remove 1 Three Phase Primary Framing  Remove 1 Secondary Framing



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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND QTY	GUYING MODULE	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 090BR</b>											
Remove OH Span	4	65									Rem Pri and CN to 090CR Remove 1 Three Phase Primary Framing Remove 1 Secondary Framing
<b>LOCATION NO. 090CR</b>											
Remove OH Span	4	110									Rem Pri and CN to 091R Remove 1 Three Phase Primary Framing Remove 1 Secondary Framing
<b>LOCATION NO. 090R</b>											
Remove OH Span	1	200									Remove QX to 089R Remove 1 Secondary Framing
<b>LOCATION NO. 091R</b>											
Remove OH Span	4	105									Rem Pri and TX to 092R Remove 1 Three Phase Primary Framing Remove 1 Secondary Framing Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 37 KVA OH Transformer

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING MODULE	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 092R</b>											
Remove OH Span	4	140									Rem Pri and TX to 093R Remove 1 Three Phase Primary Framing Remove 1 Secondary Framing
<b>LOCATION NO. 093R</b>											
Remove OH Span	4	135									Rem Pri and TX to 094AR Remove 1 Three Phase Primary Framing Remove 1 Secondary Framing Remove 1 Down Guy and Anchor Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 50 KVA OH Transformer
<b>LOCATION NO. 094AR</b>											
Remove OH Span	1	170									Rem TX to 001R Remove 1 Three Phase Primary Framing Remove 1 Secondary Framing Remove lower guy only Remove 1 Down Guy Remove 1 Street Light Luminaire

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET POLE SIZE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>										
<b>LOCATION NO. 096R</b>										
Transfer Conductor	4	70								Transfer Pri and CN to new pole 095 to be set by Owner
Remove OH Span	4	60								Remove Pri and open wire sec south of new pole 095
Remove OH Span	2	130								Remove 2 open wire sec from 096 south to 104R Remove 1 Three Phase Primary Framing
Remove OH Span	4	135								Remove Pri and open wire sec north to 097 Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing
<hr/>										
<b>LOCATION NO. 097R</b>										
Remove OH Span	3	135								Remove open wire sec to 101R Remove 1 Single Phase Primary Framing
Remove OH service drop	1	90								Remove TX to service 599 Remove 1 Secondary Framing Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 25 KVA OH Transformer Remove 1 Down Guy and Anchor

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<b>AREA 02 Removal</b>											
<b>LOCATION NO. 099AR</b>											
Remove OH Span	2	200									Rem Pri and CN to 099R Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing Remove 1 Down Guy and Anchor Remove 1 35ft. Wood Pole
<hr/>											
<b>LOCATION NO. 099BR</b>											
Remove OH Span	2	30									Rem Pri and CN to 099IAR Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing
<hr/>											
<b>LOCATION NO. 099R</b>											
											Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 10 KVA OH Transformer Remove 1 Down Guy and Anchor
<hr/>											

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND QTY	GUYING MODULE	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 100R</b>											
											Remove 1 Secondary Framing
											Remove 1 Street Light Luminaire
											Remove 1 Down Guy and Anchor
											#Type!
<hr/>											
<b>LOCATION NO. 101R</b>											
Remove OH Span	3	60									Remove open wire sec to 102R
											Remove 1 Secondary Framing
<hr/>											
<b>LOCATION NO. 102R</b>											
Remove OH service drop	1	30									Remove service to 603
											Remove 1 Secondary Framing
<hr/>											
<b>LOCATION NO. 103R</b>											
Remove OH Span	1	135									Rem TX to 200R
											Remove 1 Secondary Framing
											Remove 1 Street Light Luminaire
<hr/>											
<b>LOCATION NO. 104R</b>											
Remove OH Span	6	115									Rem Pri and open wire sec to 105R
											Remove 1 Three Phase Primary Framing
											Remove 1 Secondary Framing

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	QTY	GND MODULE	QTY	GUYING MODULE	QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>														
<b>LOCATION NO. 105R</b>														
Remove OH Span	6	90												Rem Pri and open wire sec to 106R Remove 1 Three Phase Primary Framing
Remove OH service drop	1	125												Remove servcie drop to service 606 Remove 1 Secondary Framing  Remove 1 Apparatus Framing, 1 Phase Transformer  Remove 1 25 KVA OH Transformer  Remove 1 Secondary Pedestal
<b>LOCATION NO. 106R</b>														
Remove OH Span	6	75												Rem Pri and open wire sec to 107R Remove 1 Three Phase Primary Framing
Remove OH service drop	1	50												Rem service to 610 Remove 1 Secondary Framing
<b>LOCATION NO. 107R</b>														
Remove OH Span	6	165												Rem Pri and open wire sec to 108R Remove 1 Three Phase Primary Framing  Remove 1 Secondary Framing  Remove 1 Apparatus Framing, 1 Phase Transformer  Remove 1 25 KVA OH Transformer  Remove 1 Street Light Luminaire

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 108R</b>											
Remove OH Span	4	65									Rem Pri and TX to 109R Remove 1 Three Phase Primary Framing Remove 1 Secondary Framing
<b>LOCATION NO. 109R</b>											
Remove OH Span	4	70									Remove Pri and CN to new dead end & riser pole at Loc 110R to be set by Owner Remove 1 Three Phase Primary Framing Remove 1 Secondary Framing
<b>LOCATION NO. 112AR</b>											
											Remove bare pole #Type!
<b>LOCATION NO. 112R</b>											
											Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing Remove single phase primary metering Remove 1 Single Phase Primary Riser Framing

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 113R</b>											
Remove OH Span	2	70									Rem Pri and CN to 112R Remove 1 Single Phase Primary Framing
Remove OH Span	1	50									Rem TX to 114R Remove 1 Secondary Framing Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 15 KVA OH Transformer
<hr/>											
<b>LOCATION NO. 114R</b>											
											Remove 1 Secondary Framing Remove 1 Down Guy and Anchor
<hr/>											
<b>LOCATION NO. 115R</b>											
Remove OH Span	2	130									Rem Pri and CN to 113R Remove 1 Single Phase Primary Framing
Remove OH Span	1	50									Rem TX to 116R Remove 1 Secondary Framing Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 15 KVA OH Transformer Remove 1 Street Light Luminaire



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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND QTY	GUYING MODULE	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 116R</b>											
											Remove 1 Secondary Framing
<b>LOCATION NO. 117R</b>											
Remove OH Span	2	135									Rem Pri and CN to 116R Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 15 KVA OH Transformer
<b>LOCATION NO. 118R</b>											
Remove OH Span	2	130									Rem Pri and CN to 117R Remove 1 Single Phase Primary Framing
Remove OH Span	1	50									Rem TX to 119R Remove 1 Secondary Framing Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 25 KVA OH Transformer Remove 1 Street Light Luminaire
Remove OH service drop	1	50									Rem service to 630

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING MODULE	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 119R</b>											
											Remove 1 Secondary Framing
<hr/>											
<b>LOCATION NO. 120R</b>											
Remove OH Span	3	110									Rem open wire sec to 122R Remove 1 Secondary Framing
<hr/>											
<b>LOCATION NO. 121R</b>											
											Remove 1 Street Light Luminaire
<hr/>											
<b>LOCATION NO. 122R</b>											
Remove OH Span	3	150									Rem open wire sec to 125R Remove 1 Secondary Framing Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 25 KVA OH Transformer
<hr/>											
<b>LOCATION NO. 125AR</b>											
Remove OH Span	2	165									Rem Pri and CN to 126R Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing
<hr/>											

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING MODULE	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 125R</b>											
Remove OH Span	2	90									Rem Pri and CN to 125AR Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing
<b>LOCATION NO. 126R</b>											
Remove OH Span	2	210									Rem Pri and CN to 127R Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing
<b>LOCATION NO. 127AR</b>											
											Remove 1 Secondary Framing
<b>LOCATION NO. 127R</b>											
Remove OH Span	1	90									Rem TX to 127AR Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 10 KVA OH Transformer Remove 1 Down Guy and Anchor Remove 1 Anchor

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING MODULE	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 129R</b>											
Remove OH Span	4	120									Rem Pri and TX to 130R Remove 1 Three Phase Primary Framing Remove 1 Secondary Framing Remove 1 Secondary Riser
<b>LOCATION NO. 130R</b>											
Remove OH Span	1	60									Rem TX to 131R Remove 1 Three Phase Primary Framing
Remove OH Span	4	75									Rem Pri and TX to 146R Remove 1 Secondary Framing
Remove OH Span	4	100									Rem Pri, CN and TX to 132R
<b>LOCATION NO. 131R</b>											
											Remove 1 Secondary Framing Remove 1 Down Guy and Anchor

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND QTY	GUYING MODULE	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 132R</b>											
Remove OH Span	4	130									Rem Pri and TX to 133R Remove 1 Three Phase Primary Framing Remove 1 Secondary Framing Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 25 KVA OH Transformer
<b>LOCATION NO. 133R</b>											
Remove OH Span	4	100									Rem Pri, CN and Sec to 135R Remove 1 Three Phase Primary Framing
Remove OH Span	1	120									Rem TX to 134R Remove 1 Secondary Framing Remove 2 Secondary Risers
<b>LOCATION NO. 134R</b>											
Remove OH service drop	1	50									Remove 1 Secondary Framing Remove 1 Secondary Riser Remove service to 660A

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	QTY	GND MODULE	QTY	GUYING MODULE	QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>														
<b>LOCATION NO. 135R</b>														
Remove OH Span	3	130												Rem Pri and CN to 136R Remove 1 Three Phase Primary Framing Remove 1 Secondary Framing Remove 1 Single Phase Primary Riser Framing
<b>LOCATION NO. 136R</b>														
Remove OH Span	3	135												Rem Pri and CN to 189R Remove 1 Three Phase Primary Framing
Remove OH Span	4	120												Rem Pri and open sec to 137R Remove 1 Secondary Framing Remove 1 Down Guy
<b>LOCATION NO. 137R</b>														
Remove OH Span	4	110												Rem Pri and open wire sec to 138R Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET POLE SIZE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>										
<b>LOCATION NO. 138R</b>										
Remove OH Span	4	115								Rem Pri and open wire sec to 139R Remove 1 Single Phase Primary Framing
Remove OH service drop	1	65								Rem service to 664 Remove 1 Secondary Framing
Remove OH service drop	1	50								Rem service to 665 Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 25 KVA OH Transformer
<hr/>										
<b>LOCATION NO. 139R</b>										
Remove OH Span	4	100								Rem Pri and open wire sec to 143R Remove 1 Single Phase Primary Framing
Remove OH Span	1	140								Rem TX to 141R Remove 1 Secondary Framing
Remove OH service drop	1	50								Rem service to 668
<hr/>										
<b>LOCATION NO. 141R</b>										
Remove OH Span	1	180								Rem TX to 142R Remove 1 Secondary Framing
<hr/>										
<b>LOCATION NO. 142AR</b>										
										Remove bare pole Remove 1 35ft. Wood Pole

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING MODULE	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 142R</b>											
											Remove 1 Secondary Framing
<b>LOCATION NO. 143R</b>											
Remove OH Span	3	110									Remove open wire sec to 144R Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 25 KVA OH Transformer Remove 1 Down Guy
<b>LOCATION NO. 146R</b>											
Remove OH Span	4	175									Rem Pri and TX to 148R Remove 1 Single Phase Primary Framing
Remove OH service drop	1	60									Rem Service drop to 678 Remove 1 Secondary Framing
<b>LOCATION NO. 148R</b>											
Remove OH Span	4	115									Rem Pri and TX to 149R Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing Remove 1 Street Light Luminaire



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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 149R</b>											
Remove OH Span	4	145									Rem Pri and TX to 150R Remove 1 Three Phase Primary Framing Remove 1 Secondary Framing Remove 1 Secondary Riser Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 25 KVA OH Transformer
<b>LOCATION NO. 150R</b>											
Remove OH Span	4	110									Rem Pri and TX to 152R Remove 1 Three Phase Primary Framing Remove 1 Secondary Framing
Remove OH Span	1	50									Rem DX to 151R Remove 1 Street Light Luminaire
<b>LOCATION NO. 151R</b>											
											Remove 1 Secondary Framing
<b>LOCATION NO. 152AR</b>											
											Remove 1 Secondary Framing

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET POLE SIZE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>										
<b>LOCATION NO. 152R</b>										
Remove OH Span	2	100								Rem Pri and TX to 153R Remove 1 Three Phase Primary Framing
Remove OH Span	1	100								Rem TX to 152AR Remove 1 Secondary Framing
<b>LOCATION NO. 153R</b>										
Remove OH Span	3	155								Rem Pri, TX, and CN to 155R Remove 1 Single Phase Primary Framing
Remove OH Span	1	175								Rem TX to 154R Remove 1 Secondary Framing
<b>LOCATION NO. 154R</b>										
										Remove 1 Secondary Framing Remove 1 Down Guy and Anchor
<b>LOCATION NO. 155R</b>										
Remove OH Span	3	150								Rem Pri, TX, and CN to 157R Remove 1 Single Phase Primary Framing
Remove OH Span	1	65								Rem TX to 156R Remove 1 Secondary Framing
<b>LOCATION NO. 156R</b>										
										Remove 1 Secondary Framing

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 157AR</b>											
Remove OH Span	2	175									Rem Pri and CN to 157BR Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing
<b>LOCATION NO. 157BR</b>											
Remove OH Span	2	170									Rem Pri and CN to 157CR Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing
<b>LOCATION NO. 157CR</b>											
Remove OH Span	2	160									Rem Pri and CN to 160R Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing
<b>LOCATION NO. 157R</b>											
Remove OH Span	2	150									Rem Pri and CN to 157AR Remove 1 Single Phase Primary Framing
Remove OH Span	1	50									Rem TX to 158R Remove 1 Secondary Framing

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 160AR</b>											
Remove OH Span	2	150									Rem Pri and CN to 160BR Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing
<b>LOCATION NO. 160BR</b>											
Remove OH Span	2	150									Rem Pri and CN to 160CR Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing
<b>LOCATION NO. 160CR</b>											
Remove OH Span	2	150									Rem Pri and CN to 160DR Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing
<b>LOCATION NO. 160DR</b>											
Remove OH Span	2	150									Rem Pri and CN to 162R Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 160R</b>											
Remove OH Span	2	150									Rem Pri and CN to 160AR Remove 1 Single Phase Primary Framing
Remove OH Span	2	125									Rem Pri and CN to 168R Remove 1 Secondary Framing
Remove OH Span	1	175									Rem TX to 161R Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 10 KVA OH Transformer
<hr/>											
<b>LOCATION NO. 162AR</b>											
Remove OH Span	2	130									Rem Pri and CN to 162BR Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing
<hr/>											
<b>LOCATION NO. 162BR</b>											
Remove OH Span	2	130									Rem Pri and CN to 163R Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing
<hr/>											

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 162R</b>											
Remove OH Span	2	130									Rem Pri and CN to 162AR Remove 1 Single Phase Primary Framing Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 10 KVA OH Transformer Remove 1 Secondary Framing
<b>LOCATION NO. 163R</b>											
Remove OH Span	3	130									Rem Pri , CN, and TX to 164R Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing Remove 2 Down Guys
<b>LOCATION NO. 164R</b>											
Remove OH Span	3	130									Rem Pri , CN, and TX to 164R Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING MODULE	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 165R</b>											
											Remove 1 Single Phase Primary Framing
											Remove 1 Secondary Framing
											Remove 1 Apparatus Framing, 1 Phase Transformer
											Remove 1 25 KVA OH Transformer
											Remove 1 Down Guy and Anchor
<hr/>											
<b>LOCATION NO. 168R</b>											
Remove OH Span	4	120									Rem Pri and open wire sec to 170R
											Remove 1 Single Phase Primary Framing
											Remove 1 Secondary Framing
<hr/>											
<b>LOCATION NO. 170AR</b>											
Remove OH Span	1	120									Rem TX to 173R
											Remove 1 Single Phase Primary Framing
Remove OH service drop	1	70									Rem Service to 698
											Remove 1 Secondary Framing
Remove OH service drop	1	70									Rem Service to 699
											Remove 1 Apparatus Framing, 1 Phase Transformer
											Remove 1 25 KVA OH Transformer
											Remove 2 Down Guys

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND QTY	GUYING MODULE	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 170R</b>											
Remove OH Span	4	120									Rem Pri and open wire sec to 170AR Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing
<b>LOCATION NO. 173R</b>											
											Remove 1 Secondary Framing Remove 1 Secondary Riser Remove 2 Down Guy and Anchors
<b>LOCATION NO. 174R</b>											
											Remove 1 Secondary Framing
<b>LOCATION NO. 175R</b>											
Remove OH Span	1	110									Rem DX to 176R Remove 1 Secondary Framing
Remove OH Span	1	110									Rem DX to 174R
<b>LOCATION NO. 176R</b>											
											Remove 1 Secondary Framing



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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 178R</b>											
Remove OH Span	1	115									Rem DX to 175R Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 37 KVA OH Transformer
<b>LOCATION NO. 179R</b>											
Remove OH Span	4	115									Rem Pri and open wire sec to 178R Remove 1 Single Phase Primary Framing
Remove OH service drop	1	50									Rem service to 710 Remove 1 Secondary Framing
<b>LOCATION NO. 180R</b>											
Remove OH Span	4	105									Rem Pri and open wire sec to 179R Remove 1 Single Phase Primary Framing
Remove OH Span	1	110									Rem DX to 181R Remove 1 Secondary Framing
Remove OH Span	1	110									Rem DX to 182R
<b>LOCATION NO. 181R</b>											
											Remove 1 Secondary Framing

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE QTY	APPARATUS MODULE QTY	SEC/NEUTRAL MODULE QTY	GND MODULE QTY	GUYING MODULE QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 182R</b>											
											Remove 1 Secondary Framing
<b>LOCATION NO. 183R</b>											
Remove OH Span	4	115									Rem Pri and open wire sec to 180R Remove 1 Single Phase Primary Framing
Remove OH service drop	1	60									Rem service to 715 Remove 1 Secondary Framing
Remove OH service drop	1	50									Rem service to 714 Remove 1 Apparatus Framing, 1 Phase Transformer
Remove OH service drop	1	50									Rem service to 713 Remove 1 37 KVA OH Transformer
<b>LOCATION NO. 184R</b>											
Remove OH Span	4	110									Rem Pri and open wire sec to 183R Remove 1 Single Phase Primary Framing Remove 1 Secondary Framing
<b>LOCATION NO. 185AR</b>											
											Remove 1 Secondary Pedestal

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	QTY	GND MODULE	QTY	GUYING MODULE	QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>														
<b>LOCATION NO. 185R</b>														
Remove OH Span	3	135												Rem Pri and TX to 186R Remove 1 Three Phase Primary Framing
Remove OH Span	4	115												Rem Pri and open wire sec to 184R Remove 1 Secondary Framing Remove 1 Secondary Riser Remove 1 Single Phase Primary Riser Framing
<b>LOCATION NO. 186R</b>														
Remove OH Span	3	115												Rem Pri, CN, and TX to 188R Remove 1 Three Phase Primary Framing
Remove OH Span	1	60												Rem DX to 187 Remove 1 Secondary Framing
<b>LOCATION NO. 187R</b>														
														Remove 1 Secondary Framing Remove 1 Street Light Luminaire #Type!

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 189R</b>											
Remove OH Span	3	115									Rem Prii and TX to 185R Remove 1 Three Phase Primary Framing Remove 1 Secondary Framing
<b>LOCATION NO. 200R</b>											
Remove OH Span	1	60									Rem TX to 201R Remove 1 Secondary Framing
Remove OH Span	1	130									Rem TX to 202R
Remove OH Span	2	135									Rem Pri and CN to 118R Remove 1 Single Phase Primary Framing
<b>LOCATION NO. 201R</b>											
											Remove 1 Secondary Framing Remove 1 Down Guy and Anchor
<b>LOCATION NO. 202R</b>											
Remove OH Span	2	120									Rem 2X TX to 203R Remove 1 Secondary Framing Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 25 KVA OH Transformer

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CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 203R</b>											
Remove OH Span	2	135									Rem 2X TX to 204R Remove 1 Secondary Framing
Remove OH service drop	1	50									Rem service to 634
<hr/>											
<b>LOCATION NO. 204AR</b>											
Remove OH service drop	1	50									Rem Service to 638 Remove 1 Secondary Framing Remove 1 Down Guy and Anchor
<hr/>											
<b>LOCATION NO. 204R</b>											
Remove OH Span	2	95									Rem 2X TX to 205R Remove 1 Secondary Framing
Remove OH Span	1	70									Rem TX to 204AR Remove 1 Street Light Luminaire
<hr/>											
<b>LOCATION NO. 205R</b>											
Remove OH Span	1	80									Rem TX to 206R Remove 1 Secondary Framing
<hr/>											

**STAKING SHEET**

**Webster City**

**DATE 6/14/2023**

**2022 Electrical Underground Conversion Project**

**PAGE 172 OF 173**

CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 206R</b>											
Remove OH Span	1	115									Rem TX to 207R Remove 1 Secondary Framing
Remove OH Span	1	115									Rem TX to 129R Remove 1 Secondary Riser
<b>LOCATION NO. 207R</b>											
Remove OH Span	1	95									Rem TX to 208R Remove 1 Secondary Framing Rem street light control
<b>LOCATION NO. 208R</b>											
											Remove 1 Secondary Framing Remove 2 Secondary Risers Remove 1 Apparatus Framing, 1 Phase Transformer Remove 1 37 KVA OH Transformer Remove 1 Street Light Luminaire

**STAKING SHEET**

**Webster City**

**DATE 6/14/2023**

**2022 Electrical Underground Conversion Project**

**PAGE 173 OF 173**

CONDUCTOR OR ACTIVITY	COND. QTY	SPAN FT.	SET SIZE	POLE QTY	EXIST POLE	PRIMARY MODULE	APPARATUS QTY	SEC/NEUTRAL MODULE	GND MODULE	GUYING QTY	COMMENTS & NOTES
<b>AREA 02 Removal</b>											
<b>LOCATION NO. 209R</b>											
Remove OH Span	1	105									Remove 1 Apparatus Framing, 1 Phase Transformer  Remove 1 25 KVA OH Transformer  Rem TX to 121R  Remove 1 Secondary Framing  Remove 1 Secondary Riser

**WEBSTER CITY**  
**East Side Conversion Project**  
**City Project No. 9-22-006**  
**Construction Specifications**  
**Section 16925 – Labor Units and Construction Modules**

1.0 MAJOR LABOR UNITS

- 1.1 Pages E9848-017 list major project labor units. Note that the quantity shown represents all instances of the module, while the distance represents the total sum of the quantity included in all instances. For example, if there were three trenching locations listed in the staking sheets, with lengths of 50, 200, and 100 feet; the summary page would include a line for Module 900 with a quantity of 3 and a length of 350.
- 1.2 This list is provided as a convenience for the bidders, and includes only major labor units that are identified by a Module Number in the Staking Sheets. It is not intended and cannot be relied on to include all labor units that are necessary for the completion of the project.

2.0 CONSTRUCTION MODULES

- 2.1 The construction modules listed on pages E9848-020 provide details for the installation of the equipment and material.
- 2.2 Drawings for all of the listed modules follow the index page. Each module drawing includes a bill of material showing materials included in that module.

3.0 BORE LENGTHS

- 3.1 The quantity of bores and the total length of boring is based on the requirement that all conduits along a common run are to be installed in a single bore. See Paragraph 3.7 in Section 16402.



Webster City  
2022 Electrical Underground Conversion Project  
Major Project Labor Units

modno	Qty	Length	modname
35	2	0	Remove 35ft. Wood Pole
900	123	645	Trench & Backfill
911	252	32950	Bore for cable or conduit
915	391	58145	Pull Cable in Conduit; Fiber, Secondary, or 1 Ph Primary
916	1	10	Pull Cable in Conduit, 3 Phase Primary thru 4/0
921	473	53740	Remove OH Conductor Span
922	34	2200	Remove OH service drop
925	4	280	Transfer Existing Conductor
GY110	1	0	Guy Attachment, 5" Pole Eye Plate
GY303	1	0	Down Guy, 3/8", with Johnny Ball Insulator & Thimble Clevis
GY304	1	0	Down Guy, 3/8", with Johnny Ball & 36" Guy Strain Insulators
GY602	1	0	Guy Anchor, Double Helix
GY696	4	0	Remove Span Guy
GY697	31	0	Remove Down Guy and Anchor
GY698	1	0	Remove Anchor
GY699	22	0	Remove Down Guy
KB	34	3250	Cable, #4 Al URD TX, 600V
KG	125	7795	Cable, #4/0 Al URD TX, 600V
KJ	132	18395	Cable, 350kcmil Al URD TX, 600V
KP	5	550	Cable, 350kcmil Al URD QD, 600V
LT10006	8	0	Arm, street light, for wood pole mounting, 6 ft
LT50480	8	0	Luminaire, LED St Light, 8000 Lum
LT921	22	0	Remove Street Light Luminaire
MB	88	37565	Cable, 15kV, #1/0 solid Al, 220 mil
ME	3	180	Cable, 15kV, #4/0 str Al, 220 mil
OA911	43	0	Remove Apparatus Framing, 1 Phase Transformer
OA913	1	0	Remove Apparatus Framing, 3 Phase Transformer
OP655A	1	0	Three Phase Primary Deadend, 8 ft. Fiberglass Arm, polymer DE
OP996	82	0	Remove Single Phase Primary Framing
OP997	47	0	Remove Three Phase Primary Framing
OP998	4	0	Remove Single Phase Primary Riser Framing
OS900	205	0	Remove Secondary Framing
OS901	25	0	Remove Secondary Riser
PB025	19	0	25 KVA PM Transformer, 1 Ph, 7.x kV
PB050	22	0	50 KVA PM Transformer, 1 Ph, 7.x kV
PB075	5	0	75 KVA PM Transformer, 1 Ph, 7.x kV
POLY1-1/4	22	2790	Conduit, Polyethylene, 1-1/4", SDR13.5
POLY2	282	39655	Conduit, Polyethylene, 2", SDR13.5
POLY3	134	16055	Conduit, Polyethylene, 3", SDR17

Webster City  
2022 Electrical Underground Conversion Project  
Major Project Labor Units

modno	Qty	Length	modname
POLY5	22	2670	Conduit, Polyethylene, 5", SDR17
PVC125	19	95	Conduit, PVC, SCH 40, 1 1/4"
PVC2	91	485	Conduit, PVC, Sch. 40, 2"
PVC3	11	55	Conduit, PVC, SCH 40, 3"
PVC4	1	10	Conduit, PVC, SCH 40, 4"
SW905	3	0	Remove Secondary Pedestal
TP	2	0	Top Wood Pole
TR010	8	0	Remove 10 KVA OH Transformer
TR015	7	0	Remove 15 KVA OH Transformer
TR025	22	0	Remove 25 KVA OH Transformer
TR037	7	0	Remove 37 KVA OH Transformer
TR050	3	0	Remove 50 KVA OH Transformer
UA002	46	0	Preformed Basement Pad, Single Phase, 100 kVA and smaller
UA112C	4	0	Transformer, 1 Ph, Loop Fed, Open Loop, 7.x kV, Config C
UA115C	40	0	Transformer, 1 Ph, Loop Fed, Closed Loop, 7.x kV, No FI, Config C
UA124NC	1	0	Transformer, Open Delta, 7.x kV, with 2ph jct cab, No FI, Open Loop, Config C
UA231A	1	0	Switchgear, Pad Mount, Dead Front, 600A, 2 sw, 2 fuse, no fit ind
UA251-1	1	0	Preformed Basement Pad, Switchgear, Dead Front 4 Bay (narrow)
UA553C	2	0	Junction Cabinet, 13 kV, 1 Ph, 3 way, No Flt Ind, Config C
UA563C	1	0	Junction Cabinet, 13 kV, 3 Ph, 3 way, No Fault Ind, Config C
UA601	1	0	Junction Cabinet, 68" (cabinet only)
UG1100	6	0	Fuse, SMU-20, 15 kv, 100 amp, standard speed
UG215MB	2	0	Elbow, loadbreak, 12/13 kV, 200 amp, 1/0 Al Sol, 220 mil with integral jacket seal, no test point
UG222	4	0	Elbow Mounted Arrester, 10kV
UG226	5	0	Stand Off Bushing
UG228	1	0	Dead End Cap, 200 amp, 13 kV
UG242MB	1	0	Primary Splice, Cold Shrink, 13 kV, 1/0 sol Al, 220 mil
UG952	10	0	Handhole, Primary, 30"x48"x24", Open Bottom, Tier 8
UP131N	2	0	1 Ph Primary Riser, U-guard, 12/13 kV, Fiberglass CO/LA bkt, non-load break CO
UP170N	3	0	3 Ph Primary Riser, U-guard, 100A, 12/13kV, Non-load break CO
UP175N	1	0	3 Ph Primary Riser, U-guard, 200A, 12/13kV, non-load break CO

Webster City  
 2022 Electrical Underground Conversion Project  
 Major Project Labor Units

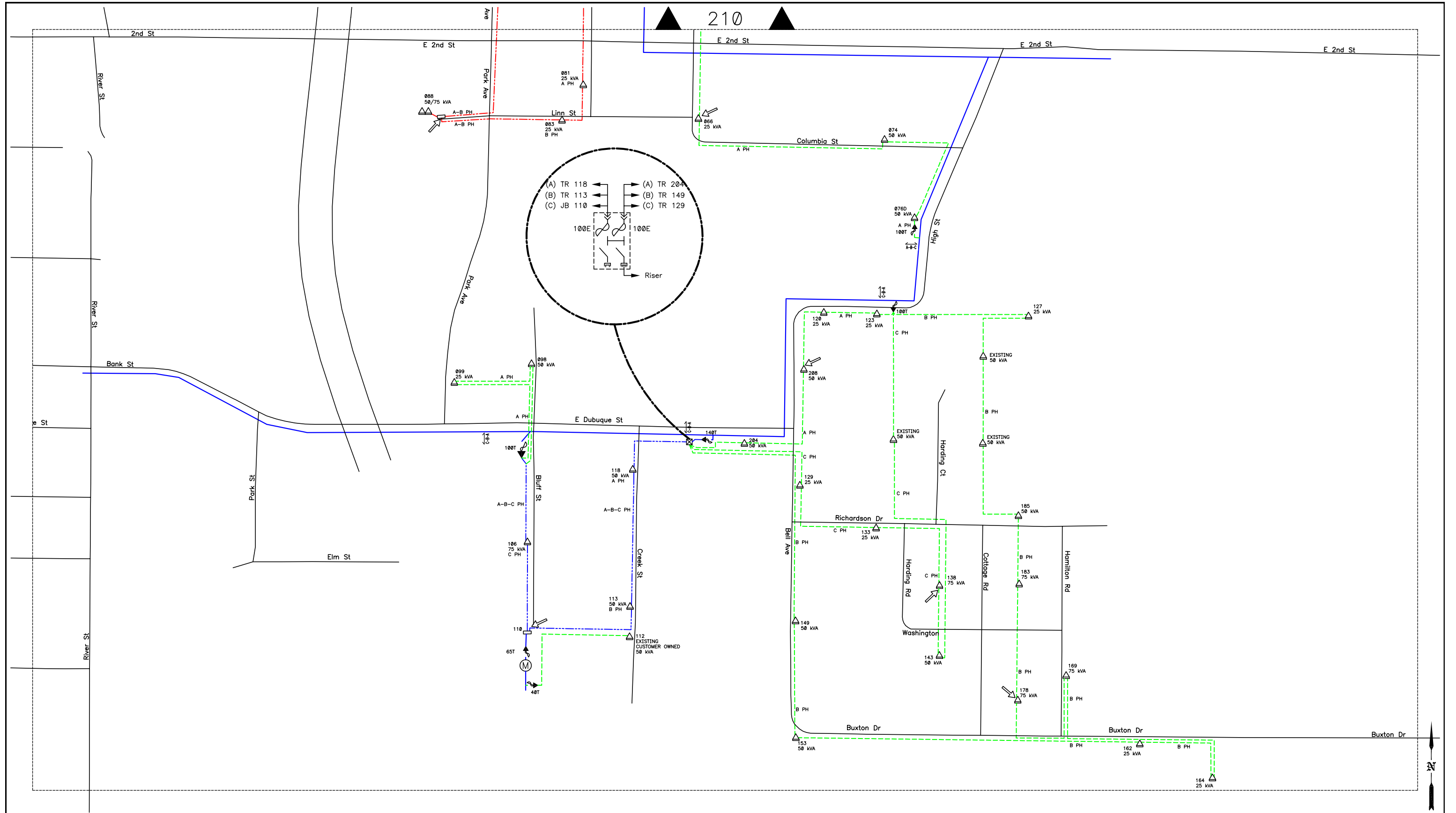
modno	Qty	Length	modname
UP201	1	0	3 Ph Primary Riser, 100A, 12/13kV, with Pri Metering
UP210	1	0	4 Ph Primary Riser, U-guard, 12/13 kV
US1102	21	0	Secondary Riser, 1.25", PVC Conduit
US111	77	0	Secondary Riser, 2", PVC Conduit
US111A	24	0	Secondary Riser, Service Diversion to Trans or Ped
US112	14	0	Secondary Riser, 3", PVC Conduit
US170	33	0	Meter Riser, existing meter socket
US213	3	0	Secondary Splice, #2/0 - 250 kcmil Alum Cold Shrink
US400	3	0	Pedestal, upright, for secondary connectors
US405	2	0	Pedestal, three phase secondary, with 4 - 6x500 kcmil connectors
US417	117	0	Pedestal, low profile, with 6 port, 350 kcmil connectors

Webster City  
2022 Electrical Underground Conversion Project

**PROJECT MODULE INDEX**

Module No	Qty	Description
GY110	1	Guy Attachment, 5" Pole Eye Plate
GY303	1	Down Guy, 3/8", with Johnny Ball Insulator & Thimble Clevis
GY304	1	Down Guy, 3/8", with Johnny Ball & 36" Guy Strain Insulators
GY602	1	Guy Anchor, Double Helix
LT10006	8	Arm, street light, for wood pole mounting, 6 ft
LT50480	8	Luminaire, LED St Light, 8000 Lum
OP655A	1	Three Phase Primary Deadend, 8 ft. Fiberglass Arm, polymer DE
UA002	46	Preformed Basement Pad, Single Phase, 100 kVA and smaller
UA112C	4	Transformer, 1 Ph, Loop Fed, Open Loop, 7.x kV, Config C
UA115C	40	Transformer, 1 Ph, Loop Fed, Closed Loop, 7.x kV, No FI, Config C
UA124NC	1	Transformer, Open Delta, 7.x kV, with 2ph jct cab, No FI, Open Loop, Config C
UA231A	1	Switchgear, Pad Mount, Dead Front, 600A, 2 sw, 2 fuse, no flt ind
UA251-1	1	Preformed Basement Pad, Switchgear, Dead Front 4 Bay (narrow)
UA553C	2	Junction Cabinet, 13 kV, 1 Ph, 3 way, No Flt Ind, Config C
UA563C	1	Junction Cabinet, 13 kV, 3 Ph, 3 way, No Fault Ind, Config C
UA601	1	Junction Cabinet, 68" (cabinet only)
UG1100	6	Fuse, SMU-20, 15 kv, 100 amp, standard speed
UG215MB	2	Elbow, loadbreak, 12/13 kV, 200 amp, 1/0 Al Sol, 220 mil with integral jacket seal, no test point
UG222	4	Elbow Mounted Arrester, 10kV
UG226	5	Stand Off Bushing
UG228	1	Dead End Cap, 200 amp, 13 kV
UG242MB	1	Primary Splice, Cold Shrink, 13 kV, 1/0 sol Al, 220 mil
UG952	10	Handhole, Primary, 30"x48"x24", Open Bottom, Tier 8
UP131N	2	1 Ph Primary Riser, U-guard, 12/13 kV, Fiberglass CO/LA bkt, non-load break CO
UP170N	3	3 Ph Primary Riser, U-guard, 100A, 12/13kV, Non-load break CO
UP175N	1	3 Ph Primary Riser, U-guard, 200A, 12/13kV, non-load break CO
UP201	1	3 Ph Primary Riser, 100A, 12/13kV, with Pri Metering
	1	Meter socket wiring
	1	Instrument transformer wiring
UP210	1	4 Ph Primary Riser, U-guard, 12/13 kV
US1102	21	Secondary Riser, 1.25", PVC Conduit
US111	77	Secondary Riser, 2", PVC Conduit
US111A	24	Secondary Riser, Service Diversion to Trans or Ped
US112	14	Secondary Riser, 3", PVC Conduit
US170	33	Meter Riser, existing meter socket
US213	3	Secondary Splice, #2/0 - 250 kcmil Alum Cold Shrink
US400	3	Pedestal, upright, for secondary connectors
US405	2	Pedestal, three phase secondary, with 4 - 6x500 kcmil connectors
US417	117	Pedestal, low profile, with 6 port, 350 kcmil connectors





**LEGEND**

EXISTING 1φ URD	EXISTING 1φ O.H.	1φ O.H.	L.B. JUNCTION CAB.	OPEN
EXISTING 2φ URD	EXISTING 2φ O.H.	1φ P.M.	PAD URD SWITCH	FUSE
EXISTING 3φ URD	EXISTING 3φ O.H.	3φ P.M.	FUSED RISER	SWITCH

**P & E ENGINEERING CO.**  
 POWER SYSTEM ANALYSIS AND DESIGN  
 245 S. 5th P.O. Box 620 Carlisle, IA 50047  
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 peengr@peengr.com

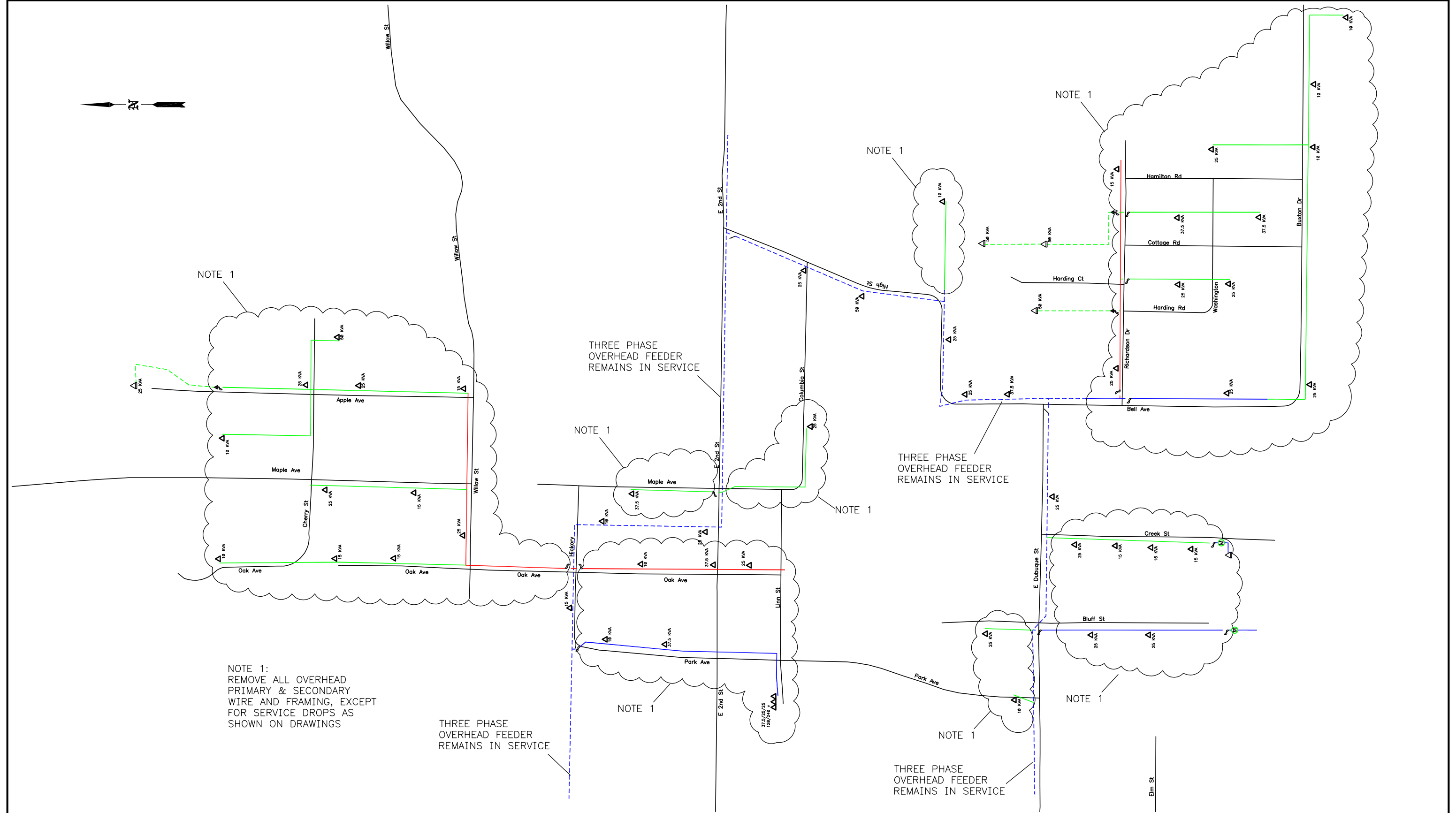
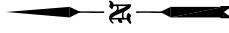


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A	ISSUED FOR BIDDING	P&E	P&E	ARP	06-14-2023	DATE 2021-08-23
						DESIGN P&E
						DFTR P&E
						APPR ARP

**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

WEBSTER CITY  
 2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT  
 PROPOSED CIRCUIT MAP

MODULE NUMBER: N/A
SCALE: 0 50' 100'
REV A DWG NO E9848-211



NOTE 1

NOTE 1

NOTE 1

THREE PHASE OVERHEAD FEEDER REMAINS IN SERVICE

THREE PHASE OVERHEAD FEEDER REMAINS IN SERVICE

NOTE 1

NOTE 1

NOTE 1:  
REMOVE ALL OVERHEAD PRIMARY & SECONDARY WIRE AND FRAMING, EXCEPT FOR SERVICE DROPS AS SHOWN ON DRAWINGS

THREE PHASE OVERHEAD FEEDER REMAINS IN SERVICE

NOTE 1

THREE PHASE OVERHEAD FEEDER REMAINS IN SERVICE

NOTE 1

**LEGEND**

- EXISTING 1Ø URD
- EXISTING 2Ø URD
- EXISTING 3Ø URD
- EXISTING 1Ø O.H.
- EXISTING 2Ø O.H.
- EXISTING 3Ø O.H.
- ▲ 1Ø O.H.
- ▲ 1Ø PM
- ▲ 3Ø PM
- L.B. JUNCTION CAB.
- ⊗ PAD URD SWITCH
- ⊕ FUSED RISER
- ➔ OPEN
- ⊗ FUSE
- ⊕ SWITCH

NO. 22234

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REV	DESCRIPTION	DESIG	DFTR	APPR	DATE	INCEPTION
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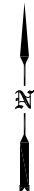
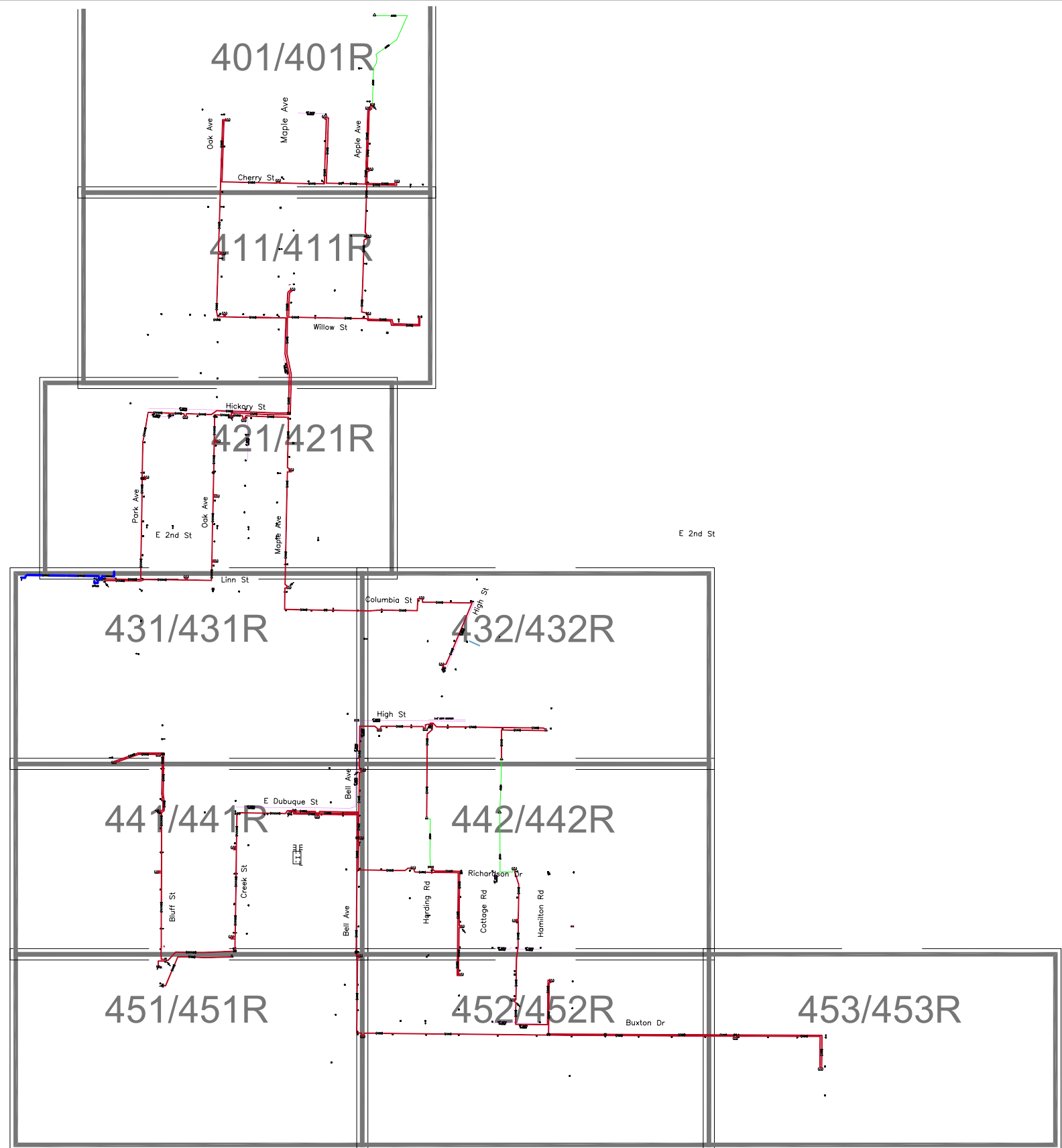
**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

WEBSTER CITY  
2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT  
EXISTING CIRCUIT MAP

SCALE:

NTS

REV  
A  
DWG NO  
**E9848-210R**



**LEGEND**

- (XXX) EQUIPMENT LOCATION
- (XXX) SERVICE LOCATION
- ( ) INSTALL
- OPEN POINT
- PRIMARY SWITCHGEAR
- PRIMARY JUNCTION CABINET
- △ 3 PH PAD MTD TRANSFORMER
- △ 1 PH PAD MTD TRANSFORMER
- POLE
- ▶ PRIMARY RISER
- ◆ STREET LIGHT
- ⊙ METER
- ▶ SECONDARY RISER
- SECONDARY PEDESTAL
- ⊙ HANDHOLE
- ⊙ SPLICE

- (CJCN)— SINGLE PH PRIMARY UG
- (CJCN)— TWO PH PRIMARY UG
- (CJCN)— THREE PH PRIMARY UG
- (350TX)— 350 kcmil TX
- (350QD)— 350 kcmil QUAD
- (4/0)— 4/0 SECONDARY
- #4)— #4 SECONDARY
- 1 1/4" EMPTY CONDUIT
- 2" EMPTY CONDUIT
- 5" EMPTY CONDUIT

- UG PRIMARY
- UG SEC
- OH SEC

INSTALL UNDERGROUND

EXISTING

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REV	DESCRIPTION	DESIGNED	DATE	INCEPTION
A	ISSUED FOR BIDDING	P&E	06-13-2023	DATE 2021-08-23

**PRELIMINARY  
NOT FOR CONSTRUCTION**

WEBSTER CITY  
2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT  
INDEX  
PROPOSED CONSTRUCTION PLAN

MODULE NUMBER: N/A

SCALE: 0 400' 1000'

REV A  
DWG NO E9848-400





**LEGEND**

- |                          |                            |                 |                      |
|--------------------------|----------------------------|-----------------|----------------------|
| (XXX) EQUIPMENT LOCATION | □ PRIMARY SWITCHGEAR       | ● POLE          | ▶ SECONDARY RISER    |
| (XXX) SERVICE LOCATION   | □ PRIMARY JUNCTION CABINET | ▶ PRIMARY RISER | □ SECONDARY PEDESTAL |
| ( ) INSTALL              | △ 3 PH PAD MTD TRANSFORMER | ▶ STREET LIGHT  | ⊕ HANDHOLE           |
| → OPEN POINT             | △ 1 PH PAD MTD TRANSFORMER | ⊙ METER         | ⊕ SPLICE             |

- |                             |                        |                      |
|-----------------------------|------------------------|----------------------|
| (CUCN) SINGLE PH PRIMARY UG | (350TX) 350 kcmil TX   | 1 1/4" EMPTY CONDUIT |
| (CUCN) TWO PH PRIMARY UG    | (350QD) 350 kcmil QUAD | 2" EMPTY CONDUIT     |
| (CUCN) THREE PH PRIMARY UG  | 4/0 SECONDARY          | 5" EMPTY CONDUIT     |
|                             | #4 SECONDARY           |                      |

- |            |
|------------|
| UG PRIMARY |
| UG SEC     |
| OH SEC     |

INSTALL UNDERGROUND

EXISTING

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REV	DESCRIPTION	DESIG	DFTR	APPR	DATE	INCEPTION
A	ISSUED FOR BIDDING	P&E	P&E	ARP	06-13-2023	DATE 2021-08-23
						DESIG P&E
						DFTR P&E
						APPR ARP

**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

WEBSTER CITY  
 2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT  
 PROPOSED CONSTRUCTION PLAN

MODULE NUMBER: N/A  
 SCALE: 0 50' 100'  
 REV A  
 DWG NO E9848-401



**LEGEND**

- (XXX) EQUIPMENT LOCATION
- (XXX) SERVICE LOCATION
- ( ) INSTALL
- ➔ OPEN POINT
- ⊠ PRIMARY SWITCHGEAR
- ⊠ PRIMARY JUNCTION CABINET
- ⊠ 3 PH PAD MTD TRANSFORMER
- ⊠ 1 PH PAD MTD TRANSFORMER
- POLE
- ➔ PRIMARY RISER
- ➔ STREET LIGHT
- ⊙ METER
- ▶ SECONDARY RISER
- SECONDARY PEDESTAL
- ⊙ HANDHOLE
- ⊙ SPLICE

- (CJCN) SINGLE PH PRIMARY UG
- (CJCN) TWO PH PRIMARY UG
- (CJCN) THREE PH PRIMARY UG
- (350TX) 350 kcmil TX
- (350QD) 350 kcmil QUAD
- (350S) 4/0 SECONDARY
- (#4) #4 SECONDARY
- 1 1/4" EMPTY CONDUIT
- 2" EMPTY CONDUIT
- 5" EMPTY CONDUIT

**INSTALL UNDERGROUND**

**EXISTING**

- UG PRIMARY
- UG SEC
- OH SEC

MODULE NUMBER:  
N/A

SCALE:  
0 50' 100'

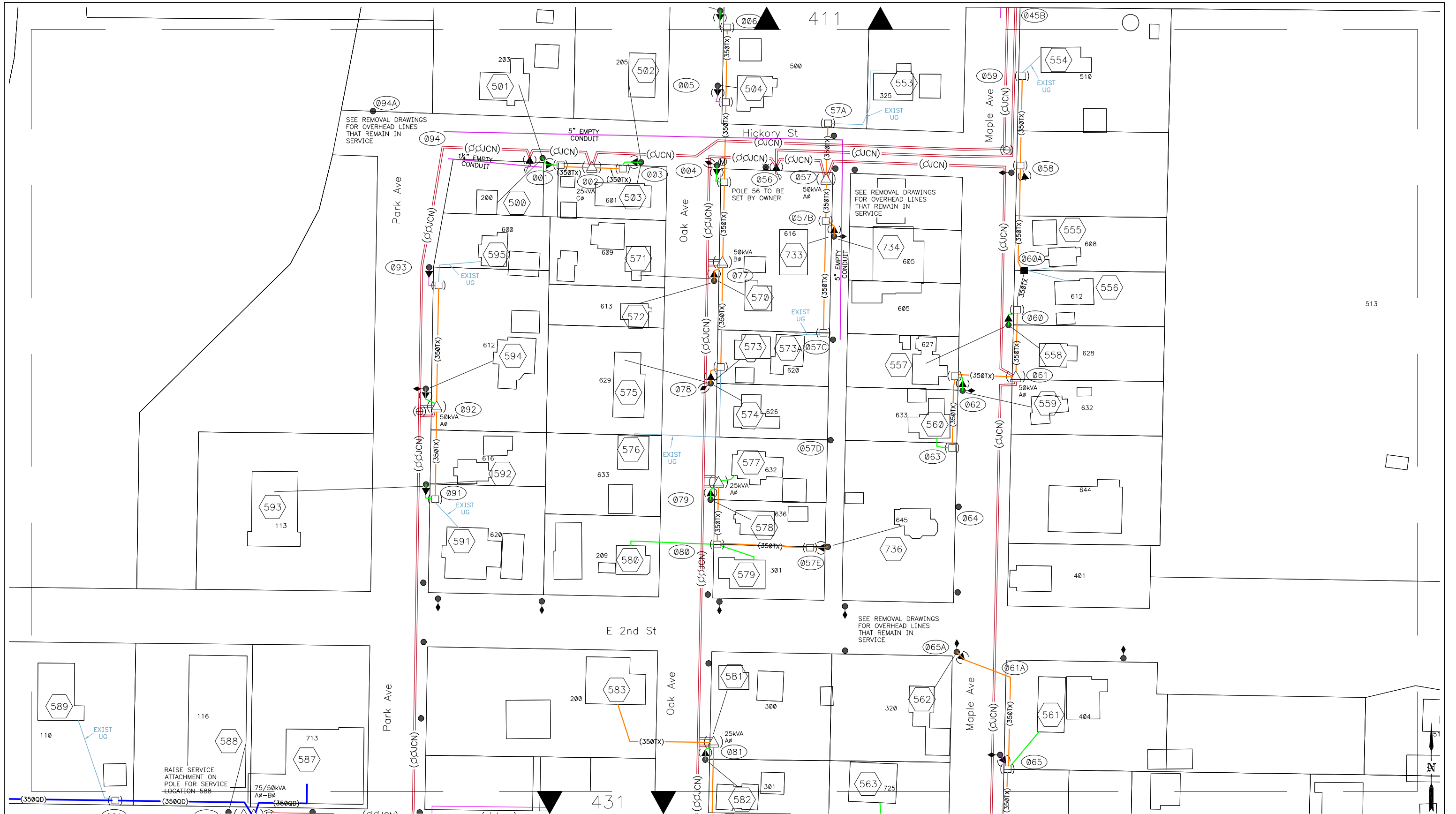
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REV	DESCRIPTION	DESIGN	DATE	INCEPTION
A	ISSUED FOR BIDDING	P&E	06-13-2023	DATE 2021-08-23
		P&E		DESIGN
		P&E		DFTR
		APP		APP

**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

**WEBSTER CITY**  
**2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT**  
PROPOSED CONSTRUCTION PLAN



**LEGEND**

(XXX)	EQUIPMENT LOCATION	□	PRIMARY SWITCHGEAR	●	POLE	▶	SECONDARY RISER
(XXX)	SERVICE LOCATION	□	PRIMARY JUNCTION CABINET	▲	PRIMARY RISER	□	SECONDARY PEDESTAL
( )	INSTALL	▲	3 PH PAD MTD TRANSFORMER	○	STREET LIGHT	○	HANDHOLE
→	OPEN POINT	▲	1 PH PAD MTD TRANSFORMER	⊙	METER	—	SPLICE

(CUCN)	SINGLE PH PRIMARY UG	(350TX)	350 kcmil TX	(1/4" E)	1 1/4" EMPTY CONDUIT
(CUCN)	TWO PH PRIMARY UG	(350QD)	350 kcmil QUAD	(2" E)	2" EMPTY CONDUIT
(CUCN)	THREE PH PRIMARY UG	(4/0 S)	4/0 SECONDARY	(5" E)	5" EMPTY CONDUIT
(#4 S)	#4 SECONDARY				

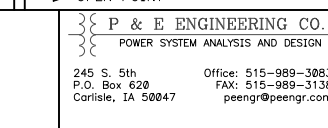
(UG P)	UG PRIMARY
(UG S)	UG SEC
(OH S)	OH SEC

**INSTALL UNDERGROUND**

**EXISTING**

4040 22234

**P & E ENGINEERING CO.**  
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REV	DESCRIPTION	DESIGNED	DATE	INCEPTION
A	ISSUED FOR BIDDING	P&E	06-13-2023	DATE 2021-08-23
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		APP		DFTR P&E
				APPR ARP

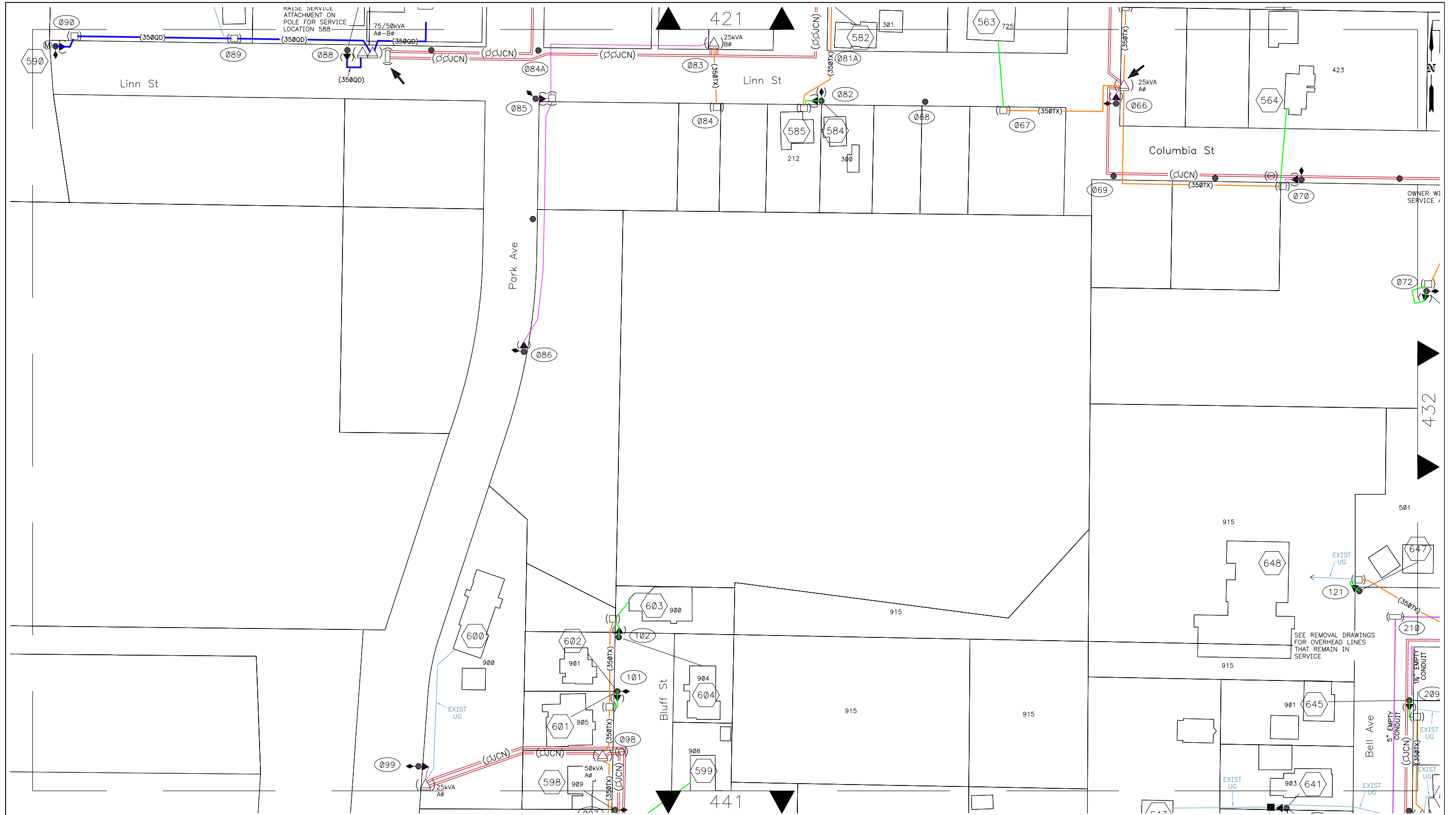
**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

**WEBSTER CITY**  
**2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT**  
PROPOSED CONSTRUCTION PLAN

MODULE NUMBER: N/A

SCALE: 0 50' 100'

REV A  
DWG NO E9848-421



**LEGEND**

- |                          |                            |                 |                      |                                  |                            |                        |              |
|--------------------------|----------------------------|-----------------|----------------------|----------------------------------|----------------------------|------------------------|--------------|
| (XXX) EQUIPMENT LOCATION | □ PRIMARY SWITCHGEAR       | • POLE          | ▶ SECONDARY RISER    | — (350TX) — SINGLE PH PRIMARY UG | — (350TX) — 350 kcmil TX   | — 1 1/4" EMPTY CONDUIT | — UG PRIMARY |
| (XXX) SERVICE LOCATION   | □ PRIMARY JUNCTION CABINET | ▶ PRIMARY RISER | □ SECONDARY PEDESTAL | — (350QD) — TWO PH PRIMARY UG    | — (350QD) — 350 kcmil QUAD | — 2" EMPTY CONDUIT     | — UG SEC     |
| ( ) INSTALL              | △ 3 PH PAD MTD TRANSFORMER | ⊙ STREET LIGHT  | ⊙ HANDHOLE           | — (350JCN) — THREE PH PRIMARY UG | — 4/0 SECONDARY            | — 5" EMPTY CONDUIT     | — OH SEC     |
| → OPEN POINT             | △ 1 PH PAD MTD TRANSFORMER | ⊙ METER         | ⊙ SPLICE             |                                  |                            |                        |              |

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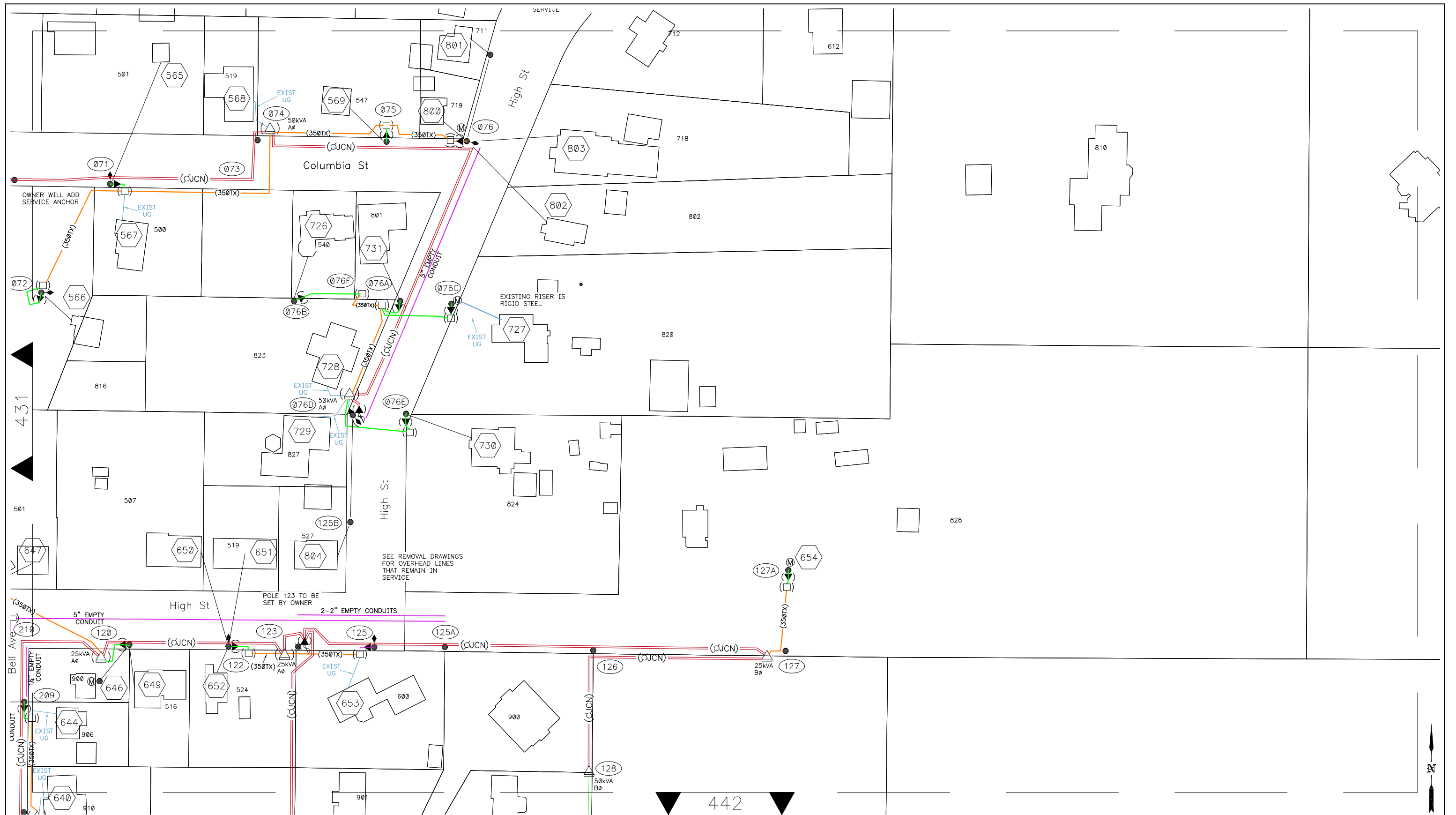


REV	DESCRIPTION	DESIGNED	DATE	INCEPTION
A	ISSUED FOR BIDDING	P&E	06-13-2023	DATE 2021-08-23
		P&E		DESIGNED
		APP		DATE
		APP		DESIGNED
		APP		DATE

**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

**WEBSTER CITY**  
**2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT**  
 PROPOSED CONSTRUCTION PLAN

MODULE NUMBER: N/A  
 SCALE: 0 50' 100'  
 REV A  
 DWG NO **E9848-431**



**LEGEND**

(XXX)	EQUIPMENT LOCATION	□	PRIMARY SWITCHGEAR	●	POLE	▶	SECONDARY RISER
(XXX)	SERVICE LOCATION	△	PRIMARY JUNCTION CABINET	▲	PRIMARY RISER	□	SECONDARY PEDESTAL
( )	INSTALL	△	3 PH PAD MTD TRANSFORMER	◆	STREET LIGHT	○	HANDHOLE
→	OPEN POINT	△	1 PH PAD MTD TRANSFORMER	⊙	METER	⊕	SPLICE

(CJCN)	SINGLE PH PRIMARY UG	(350TX)	350 kcmil TX	---	1 1/4" EMPTY CONDUIT	---	UG PRIMARY
(CJCN)	TWO PH PRIMARY UG	(350QD)	350 kcmil QUAD	---	2" EMPTY CONDUIT	---	UG SEC
(CJCN)	THREE PH PRIMARY UG	---	4/0 SECONDARY	---	5" EMPTY CONDUIT	---	OH SEC
---	---	---	#4 SECONDARY	---	---	---	---

---	INSTALL UNDERGROUND	---	EXISTING
-----	---------------------	-----	----------

MODULE NUMBER: N/A

SCALE: 0 50' 100'

4500 22234

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POWER SYSTEM ANALYSIS AND DESIGN  
245 S. 5th  
P.O. Box 620  
Carlisle, IA 50047  
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FAX: 515-989-3138  
peengr@peengr.com

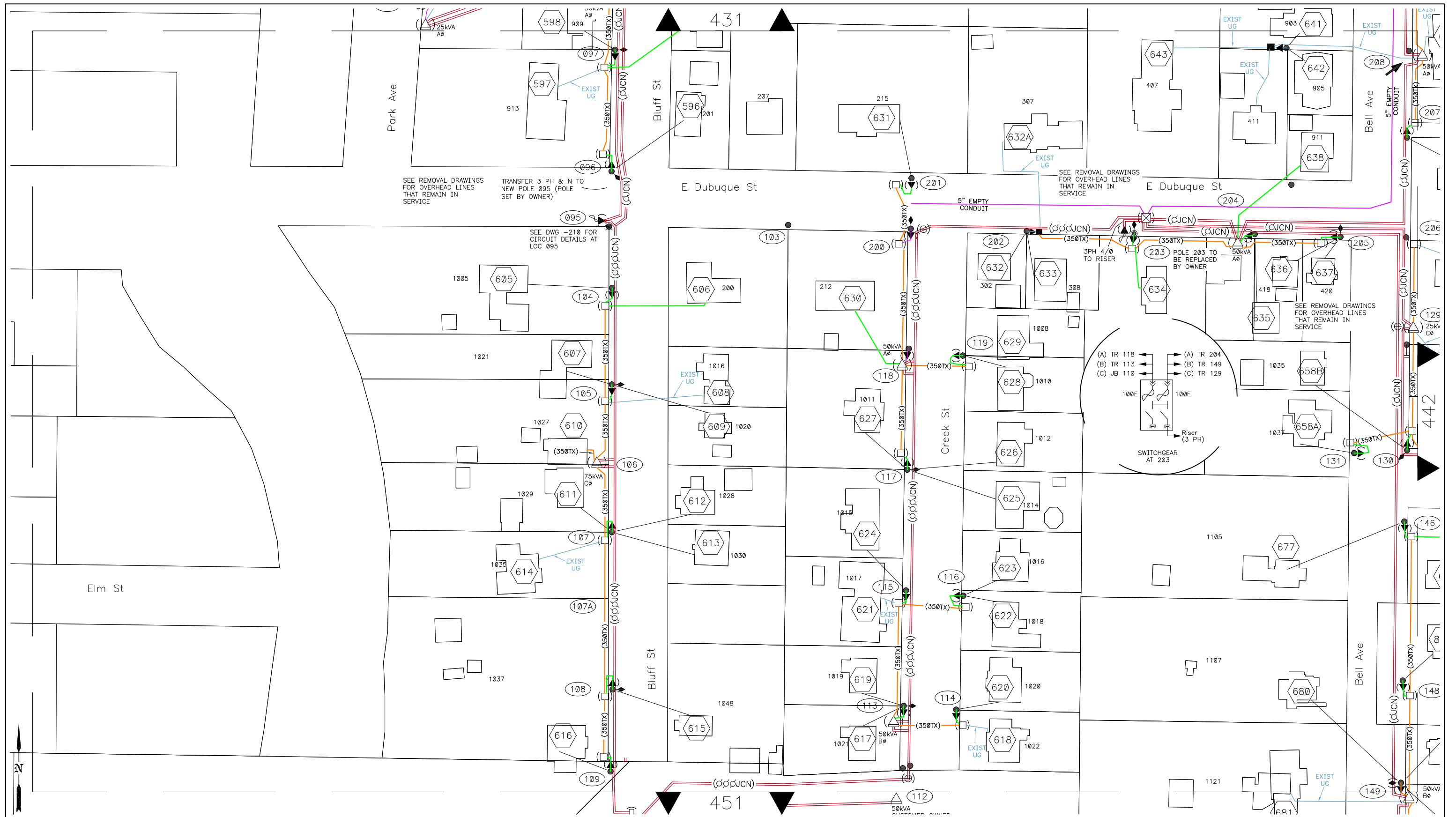


REV	DESCRIPTION	DESIGNED	DATE	INCEPTION
A	ISSUED FOR BIDDING	P&E	06-13-2023	DATE 2021-08-23
		P&E		DESIGN P&E
		APP		DFTR P&E
				APPR ARP

**PRELIMINARY  
NOT FOR CONSTRUCTION**

WEBSTER CITY  
**2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT**  
PROPOSED CONSTRUCTION PLAN

REV  
A  
DWG NO  
**E9848-432**



**LEGEND**

(XXX) EQUIPMENT LOCATION	□ PRIMARY SWITCHGEAR	● POLE	▶ SECONDARY RISER	— (CUCN) SINGLE PH PRIMARY UG	— (350TX) 350 kcmil TX	— 1 1/4" EMPTY CONDUIT	— UG PRIMARY
(XXX) SERVICE LOCATION	□ PRIMARY JUNCTION CABINET	▶ PRIMARY RISER	□ SECONDARY PEDESTAL	— (CUCN) TWO PH PRIMARY UG	— (350QD) 350 kcmil QUAD	— 2" EMPTY CONDUIT	— UG SEC
( ) INSTALL	△ 3 PH PAD MTD TRANSFORMER	⊕ STREET LIGHT	⊕ HANDHOLE	— (CUCN) THREE PH PRIMARY UG	— 4/0 SECONDARY	— 5" EMPTY CONDUIT	— OH SEC
→ OPEN POINT	△ 1 PH PAD MTD TRANSFORMER	⊙ METER	⊕ SPLICE				

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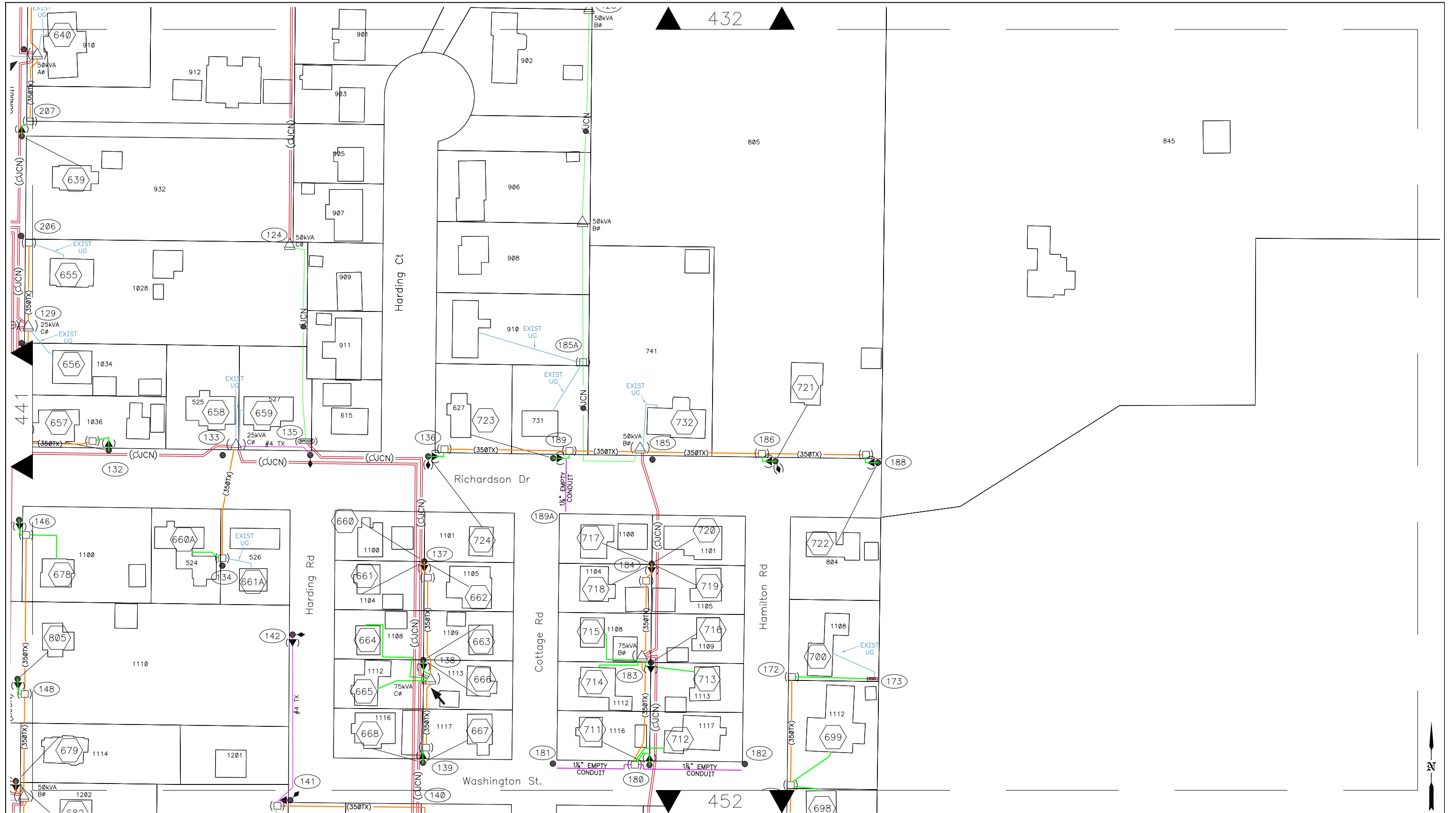


REV	DESCRIPTION	DESIGNED	DATE	INCEPTION
A	ISSUED FOR BIDDING	P&E	06-13-2023	DATE 2021-08-23
		P&E		DESIGNED
		APP		DFTR
		APP		APP

**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

**WEBSTER CITY**  
**2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT**  
 PROPOSED CONSTRUCTION PLAN

MODULE NUMBER: N/A  
 SCALE: 0 50' 100'  
 REV A  
 DWG NO **E9848-441**



**LEGEND**

- |                          |                            |                 |                      |                               |                          |                        |              |
|--------------------------|----------------------------|-----------------|----------------------|-------------------------------|--------------------------|------------------------|--------------|
| (XXX) EQUIPMENT LOCATION | □ PRIMARY SWITCHGEAR       | ● POLE          | ▶ SECONDARY RISER    | — (CUCN) SINGLE PH PRIMARY UG | — (350TX) 350 kcmil TX   | — 1 1/4" EMPTY CONDUIT | — UG PRIMARY |
| (XXX) SERVICE LOCATION   | □ PRIMARY JUNCTION CABINET | ▶ PRIMARY RISER | □ SECONDARY PEDESTAL | — (CUCN) TWO PH PRIMARY UG    | — (350QD) 350 kcmil QUAD | — 2" EMPTY CONDUIT     | — UG SEC     |
| ( ) INSTALL              | △ 3 PH PAD MTD TRANSFORMER | ▶ STREET LIGHT  | ○ HANDHOLE           | — (CUCN) THREE PH PRIMARY UG  | — 4/0 SECONDARY          | — 5" EMPTY CONDUIT     | — OH SEC     |
| → OPEN POINT             | △ 1 PH PAD MTD TRANSFORMER | ⊙ METER         | ● SPLICE             |                               |                          |                        |              |

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REV	DESCRIPTION	DESIGNED	DATE	INCEPTION
A	ISSUED FOR BIDDING	P&E	06-13-2023	DATE 2021-08-23
		P&E		DESIGN P&E
		APP		DFTR P&E
				APPR ARP

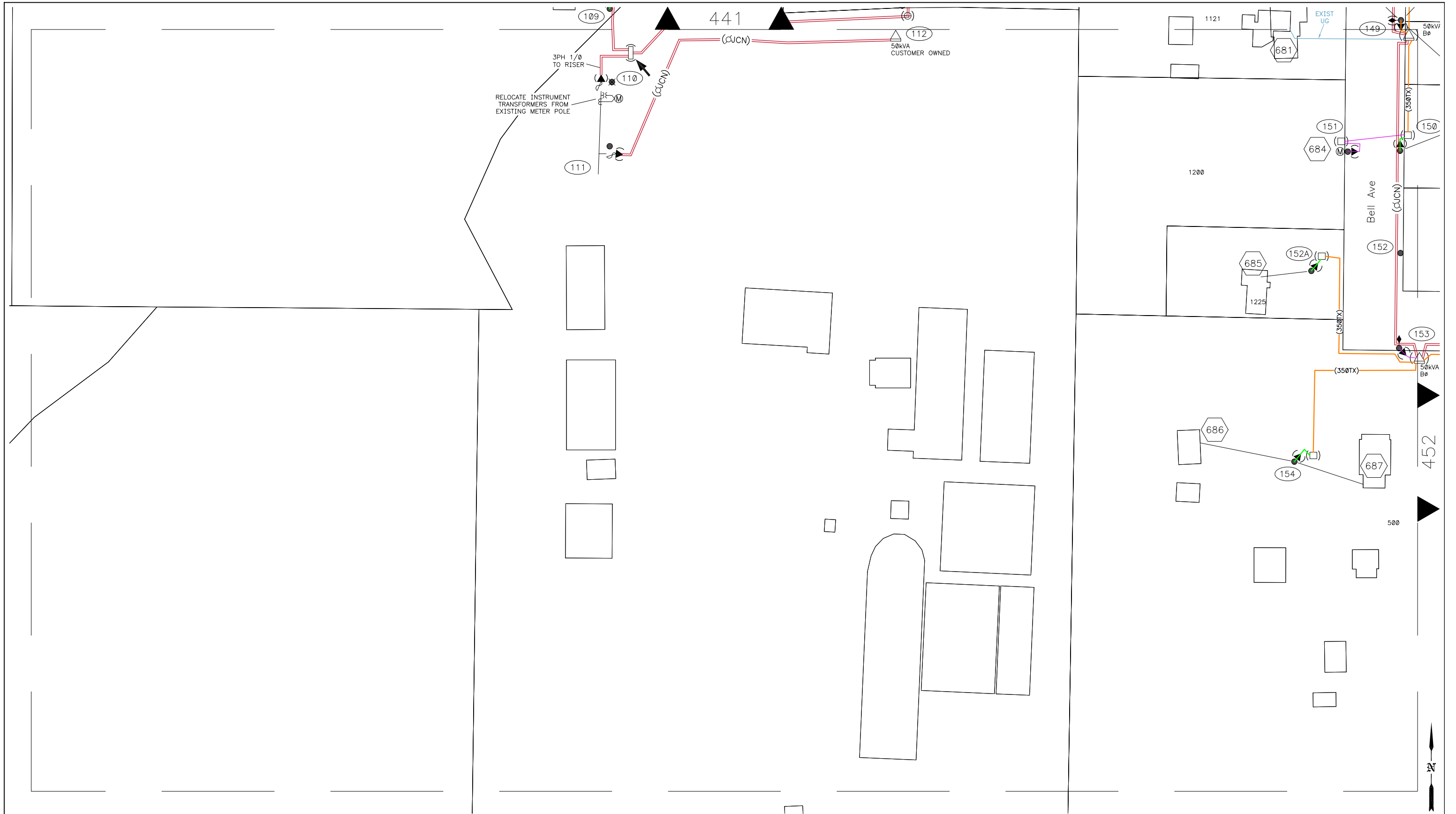
**PRELIMINARY  
NOT FOR CONSTRUCTION**

WEBSTER CITY  
2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT  
PROPOSED CONSTRUCTION PLAN

MODULE NUMBER:  
N/A

SCALE:  
0 50' 100'

REV  
A  
DWG NO  
**E9848-442**



**LEGEND**

- |                          |                            |                 |                      |
|--------------------------|----------------------------|-----------------|----------------------|
| (XXX) EQUIPMENT LOCATION | ☒ PRIMARY SWITCHGEAR       | ● POLE          | ▶ SECONDARY RISER    |
| (XXX) SERVICE LOCATION   | ☐ PRIMARY JUNCTION CABINET | ➔ PRIMARY RISER | ☐ SECONDARY PEDESTAL |
| ( ) INSTALL              | ⚡ 3 PH PAD MTD TRANSFORMER | ⚡ STREET LIGHT  | ⊕ HANDHOLE           |
| ➔ OPEN POINT             | ⚡ 1 PH PAD MTD TRANSFORMER | ⊕ METER         | ⊕ SPLICE             |

- |          |                      |
|----------|----------------------|
| —(CJCN)— | SINGLE PH PRIMARY UG |
| —(CJCN)— | TWO PH PRIMARY UG    |
| —(CJCN)— | THREE PH PRIMARY UG  |

- |         |                |
|---------|----------------|
| (350TX) | 350 kcmil TX   |
| (350QD) | 350 kcmil QUAD |
| (350S)  | 4/0 SECONDARY  |
| (#4)    | #4 SECONDARY   |

- |   |                      |
|---|----------------------|
| — | 1 1/4" EMPTY CONDUIT |
| — | 2" EMPTY CONDUIT     |
| — | 5" EMPTY CONDUIT     |

- |   |            |
|---|------------|
| — | UG PRIMARY |
| — | UG SEC     |
| — | OH SEC     |

INSTALL UNDERGROUND

EXISTING

4040 22234

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REV	DESCRIPTION	DESIGN	DFTR	APPR	DATE	INCEPTION
A	ISSUED FOR BIDDING	P&E	P&E	ARP	06-13-2023	DATE 2021-08-23
						DESIGN P&E
						DFTR P&E
						APPR ARP

**PRELIMINARY  
NOT FOR CONSTRUCTION**

WEBSTER CITY  
2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT

PROPOSED CONSTRUCTION PLAN

MODULE NUMBER:  
N/A

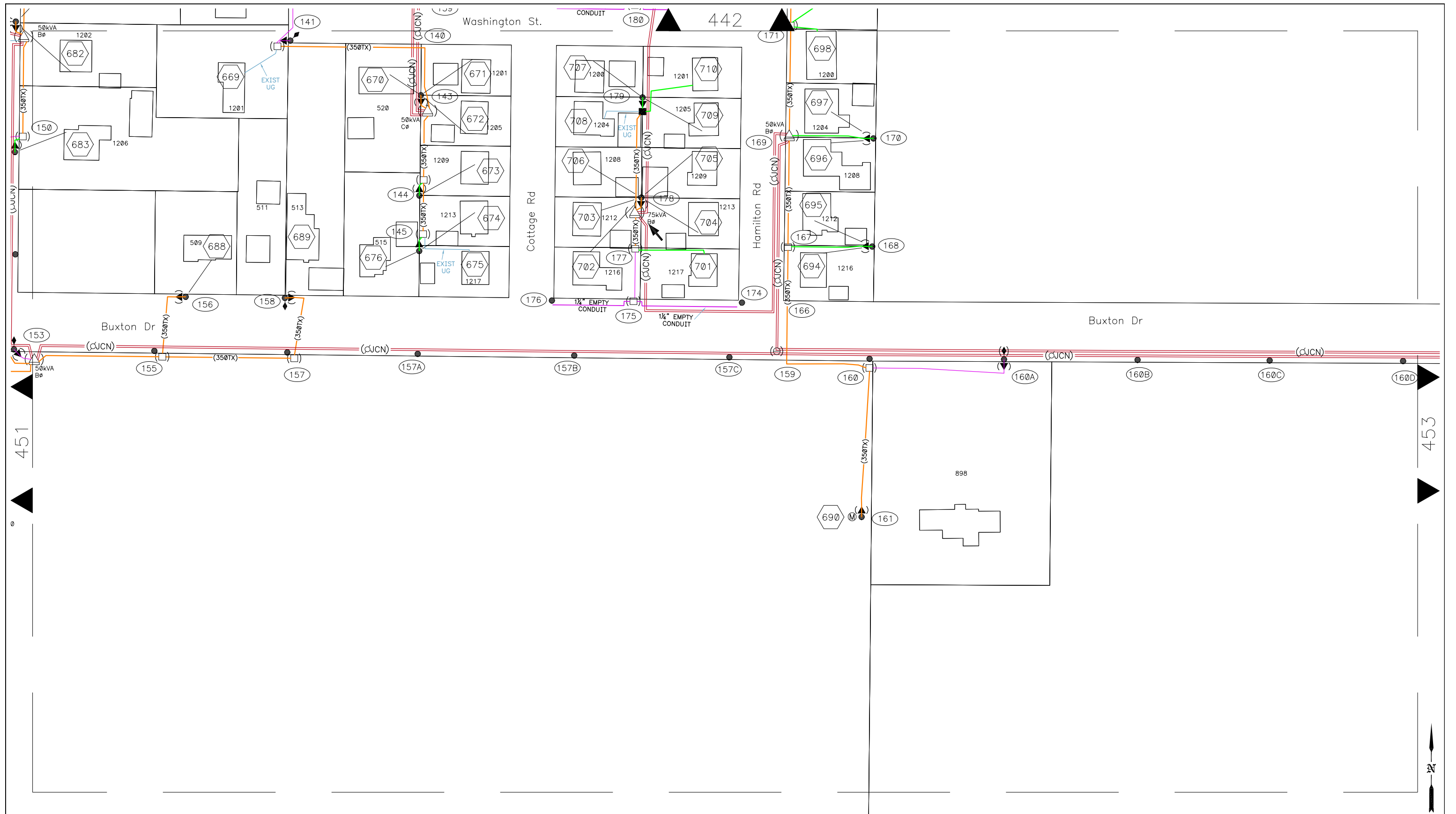
SCALE:  
0 50' 100'

REV  
A

DWG. NO

E9848-451





**LEGEND**

- (XXX) EQUIPMENT LOCATION
- (XXX) SERVICE LOCATION
- ( ) INSTALL
- OPEN POINT
- PRIMARY SWITCHGEAR
- PRIMARY JUNCTION CABINET
- △ 3 PH PAD MTD TRANSFORMER
- △ 1 PH PAD MTD TRANSFORMER
- POLE
- ▲ PRIMARY RISER
- ◆ STREET LIGHT
- ⊙ METER
- ▶ SECONDARY RISER
- SECONDARY PEDESTAL
- ⊙ HANDHOLE
- ⊙ SPLICE

- (CJCN) SINGLE PH PRIMARY UG
- (CJCN) TWO PH PRIMARY UG
- (CJCN) THREE PH PRIMARY UG
- (350TX) 350 kcmil TX
- (350QD) 350 kcmil QUAD
- 1 1/4" EMPTY CONDUIT
- 2" EMPTY CONDUIT
- 5" EMPTY CONDUIT
- UG PRIMARY
- UG SEC
- OH SEC

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A	ISSUED FOR BIDDING	P&E	06-13-2023	DATE 2021-08-23
		P&E		DESIGN
		APP		DFTR
		APP		APP

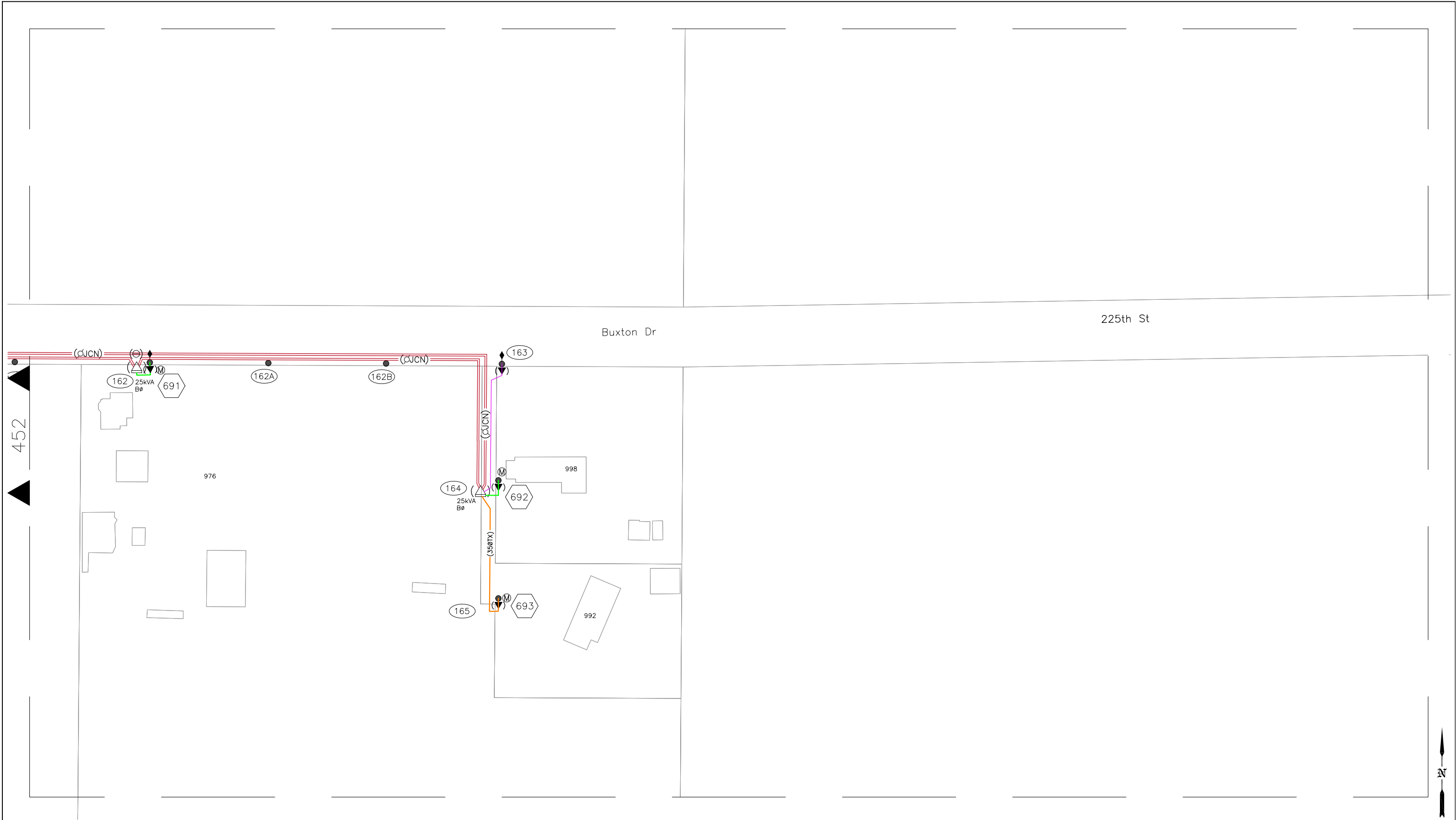
**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

WEBSTER CITY  
 2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT  
 PROPOSED CONSTRUCTION PLAN

MODULE NUMBER: N/A

SCALE: 0 50' 100'

REV A  
 DWG. NO  
**E9848-452**



**LEGEND**

- (XXX) EQUIPMENT LOCATION
- (XXX) SERVICE LOCATION
- ( ) INSTALL
- OPEN POINT
- PRIMARY SWITCHGEAR
- PRIMARY JUNCTION CABINET
- △ 3 PH PAD MTD TRANSFORMER
- △ 1 PH PAD MTD TRANSFORMER
- POLE
- ▶ PRIMARY RISER
- ▶ STREET LIGHT
- Ⓜ METER
- ▶ SECONDARY RISER
- SECONDARY PEDESTAL
- ⊖ HANDHOLE
- ⊕ SPLICE

- (CJCN)— SINGLE PH PRIMARY UG
- (CJCN)— TWO PH PRIMARY UG
- (CJCN)— THREE PH PRIMARY UG
- (350TX)— 350 kcmil TX
- (350QD)— 350 kcmil QUAD
- (350QD)— 4/0 SECONDARY
- (350QD)— #4 SECONDARY
- 1 1/4" EMPTY CONDUIT
- 2" EMPTY CONDUIT
- 5" EMPTY CONDUIT

- UG PRIMARY
- UG SEC
- OH SEC

INSTALL UNDERGROUND

EXISTING

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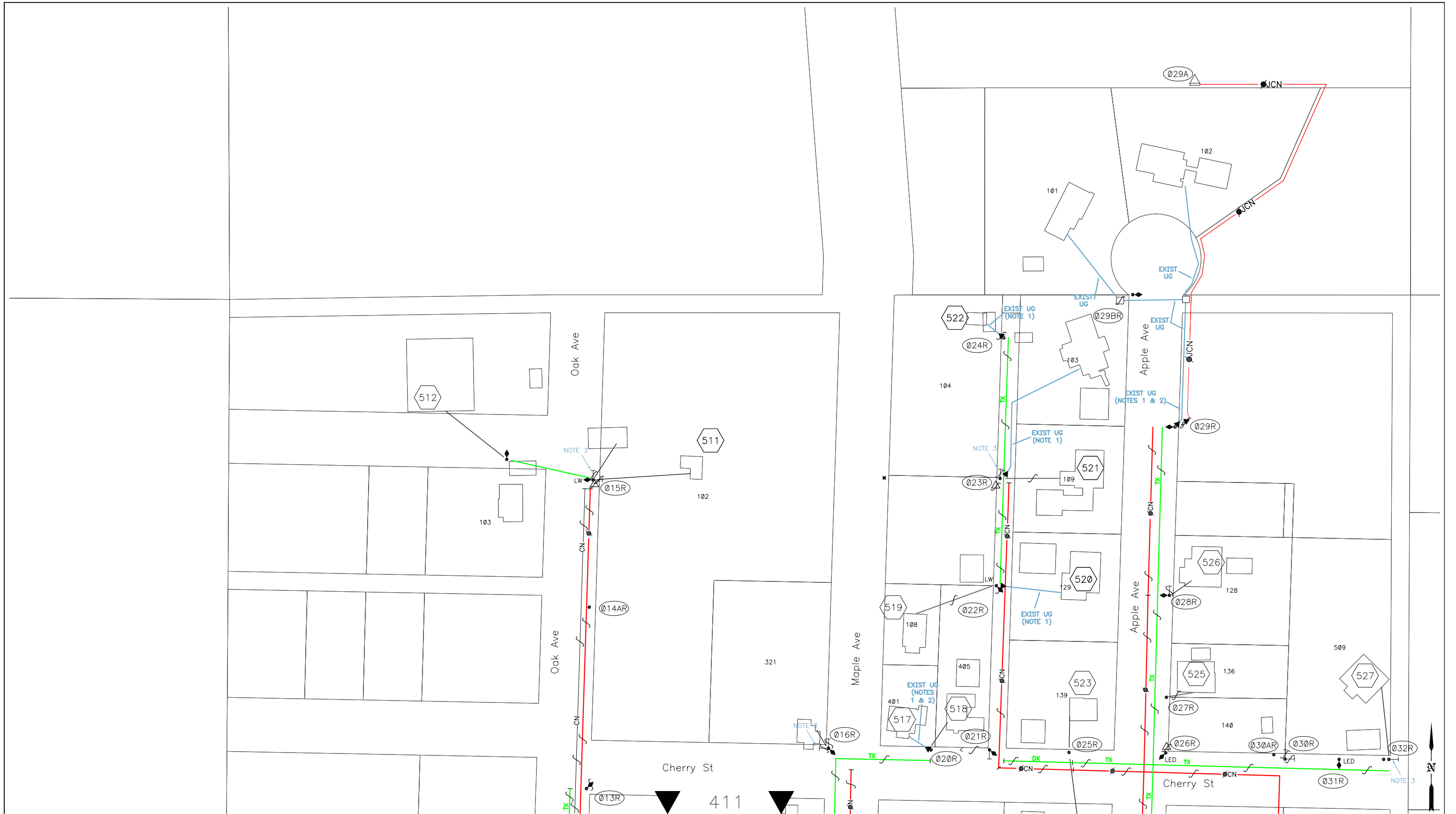


REV	DESCRIPTION	DESIG	DFTR	APPR	DATE	INCEPTION
A	ISSUED FOR BIDDING	P&E	P&E	ARP	06-13-2023	DATE 2021-08-23
						DESIG P&E
						DFTR P&E
						APPR ARP

**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

WEBSTER CITY  
**2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT**  
 PROPOSED CONSTRUCTION PLAN

MODULE NUMBER: N/A  
 SCALE: 0 50' 100'  
 REV A  
 DWG. NO. **E9848-453**



Note 1: Divert existing UG service into pedestal or transformer  
 Note 2: See US111A to reuse secondary riser conduit  
 Note 3: Remove down guy only, anchor remains for comm DG

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REV	DESCRIPTION	DESIG	DFTR	APPR	DATE	INCEPTION
A	ISSUED FOR BIDDING	P&E	P&E	ARP	06-19-2023	DATE 2021-08-23
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						DFTR P&E
						APPR ARP

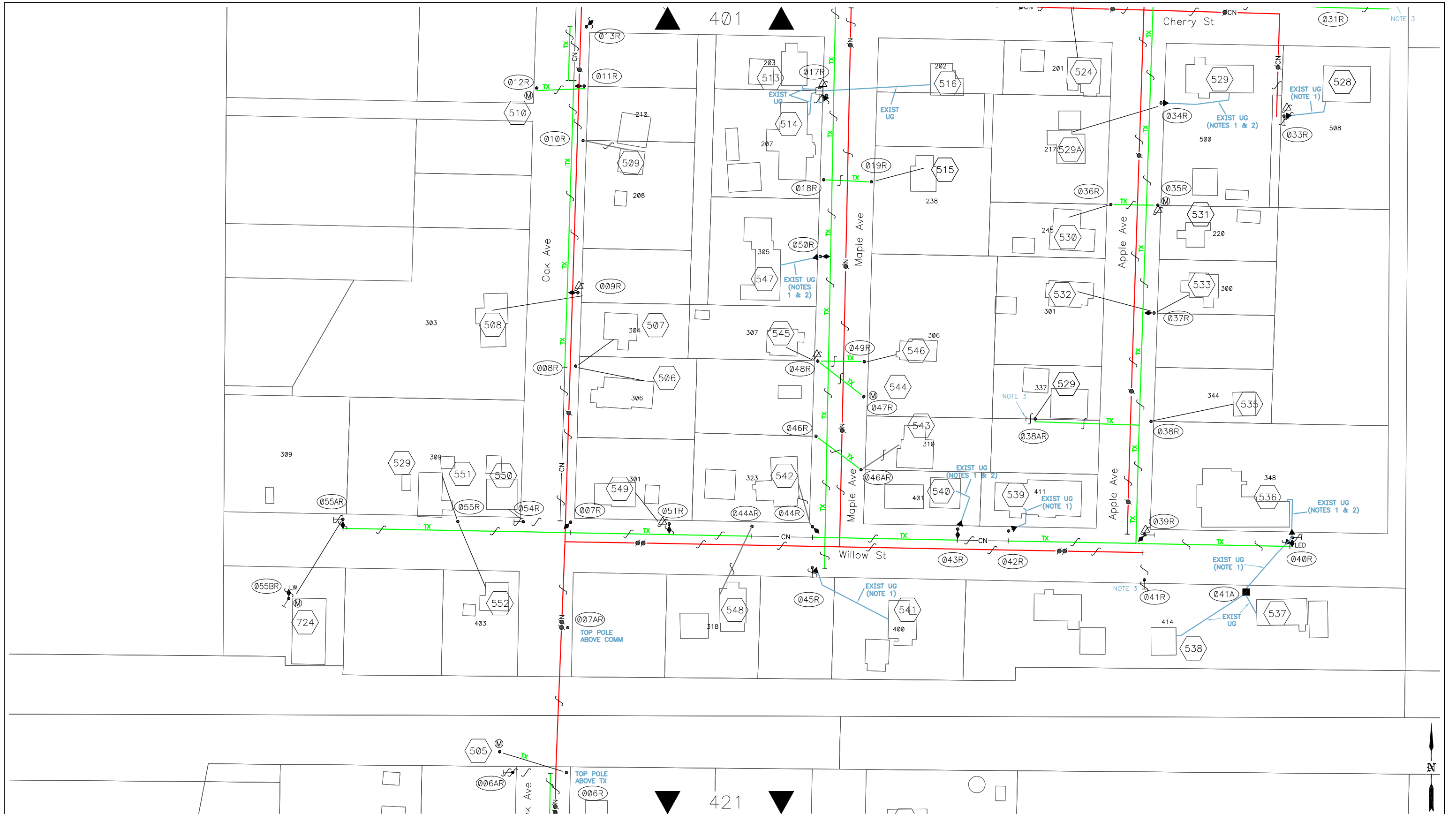
**ISSUED FOR CONSTRUCTION**

WEBSTER CITY  
 2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT  
 REMOVAL PLAN

MODULE NUMBER:  
 N/A

SCALE:  
 0 50' 100'

REV  
 A  
 DWG NO  
**E9848-401R**



Note 1: Divert existing UG service into pedestal or transformer  
 Note 2: See US111A to reuse secondary riser conduit  
 Note 3: Remove down guy only, anchor remains for comm DG

LEGEND	
(XXX) EQUIPMENT LOCATION	▲ 3 PH PAD MTD TRANSFORMER
(XXX) SERVICE LOCATION	▲ 1 PH PAD MTD TRANSFORMER
✓ REMOVE	▲ 1 PH OH TRANSFORMER
	▲ PRIMARY RISER
■ SECONDARY PEDESTAL	○ HANDHOLE
○ SECONDARY RISER	○ METER
— DOWN GUY	— SPAN GUY
— STREET LIGHT	● POLE

— SINGLE PHASE OH	— SINGLE PHASE UG
— TWO PHASE OH	— THREE PHASE UG
— THREE PHASE OH	
N NEUTRAL	
CN COMMON NEUTRAL	

— OVERHEAD	— OVERHEAD SERVICE
TX TRIPLEX	— OH SERVICE (REMOVE)
QD QUADPLEX	— UNDERGROUND SERVICE
DX DUPLEX	
●●● OPEN WIRE	

MODULE NUMBER:	N/A
SCALE:	0 50' 100'

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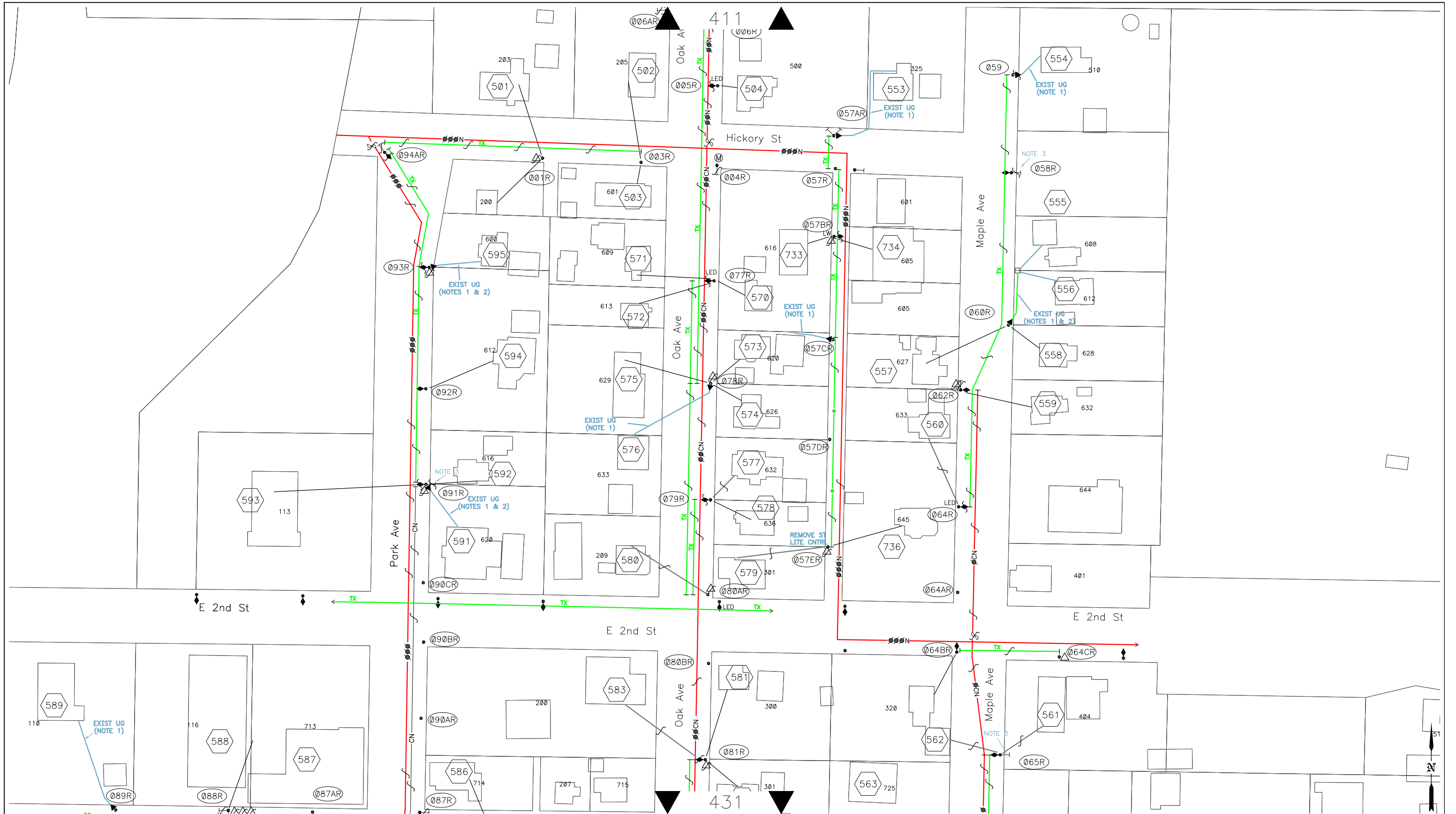


REV	DESCRIPTION	DESIGN	DATE	INCEPTION
A	ISSUED FOR BIDDING	P&E	06-19-2023	DATE 2021-08-23
		P&E		DESIGN P&E
		APP		DFTR P&E
				APPR ARP

**ISSUED FOR CONSTRUCTION**

WEBSTER CITY  
 2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT  
 REMOVAL PLAN

REV A  
 DWG NO E9848-411R



Note 1: Divert existing UG service into pedestal or transformer  
 Note 2: See US111A to reuse secondary riser conduit  
 Note 3: Remove down guy only, anchor remains for comm DG

**LEGEND**

(XXX) EQUIPMENT LOCATION	(▲) 3 PH PAD MTD TRANSFORMER	(■) SECONDARY PEDESTAL	(—) DOWN GUY
(XXX) SERVICE LOCATION	(▲) 1 PH PAD MTD TRANSFORMER	(○) HANDHOLE	(—) SPAN GUY
(/X/X/X) REMOVE	(▲) 1 PH OH TRANSFORMER	(○) SECONDARY RISER	(—) STREET LIGHT
	(▲) PRIMARY RISER	(○) METER	(●) POLE

(●) SINGLE PHASE OH	(●) SINGLE PHASE UG
(●●) TWO PHASE OH	(●●●) THREE PHASE UG
(●●●) THREE PHASE OH	
N NEUTRAL	
CN COMMON NEUTRAL	

(—) OVERHEAD	(—) OVERHEAD SERVICE
(TX) TRIPLEX	(—) OH SERVICE (REMOVE)
(QD) QUADPLEX	(—) UNDERGROUND SERVICE
(DX) DUPLEX	
(●●N) OPEN WIRE	

MODULE NUMBER: N/A

SCALE: 0 50' 100'

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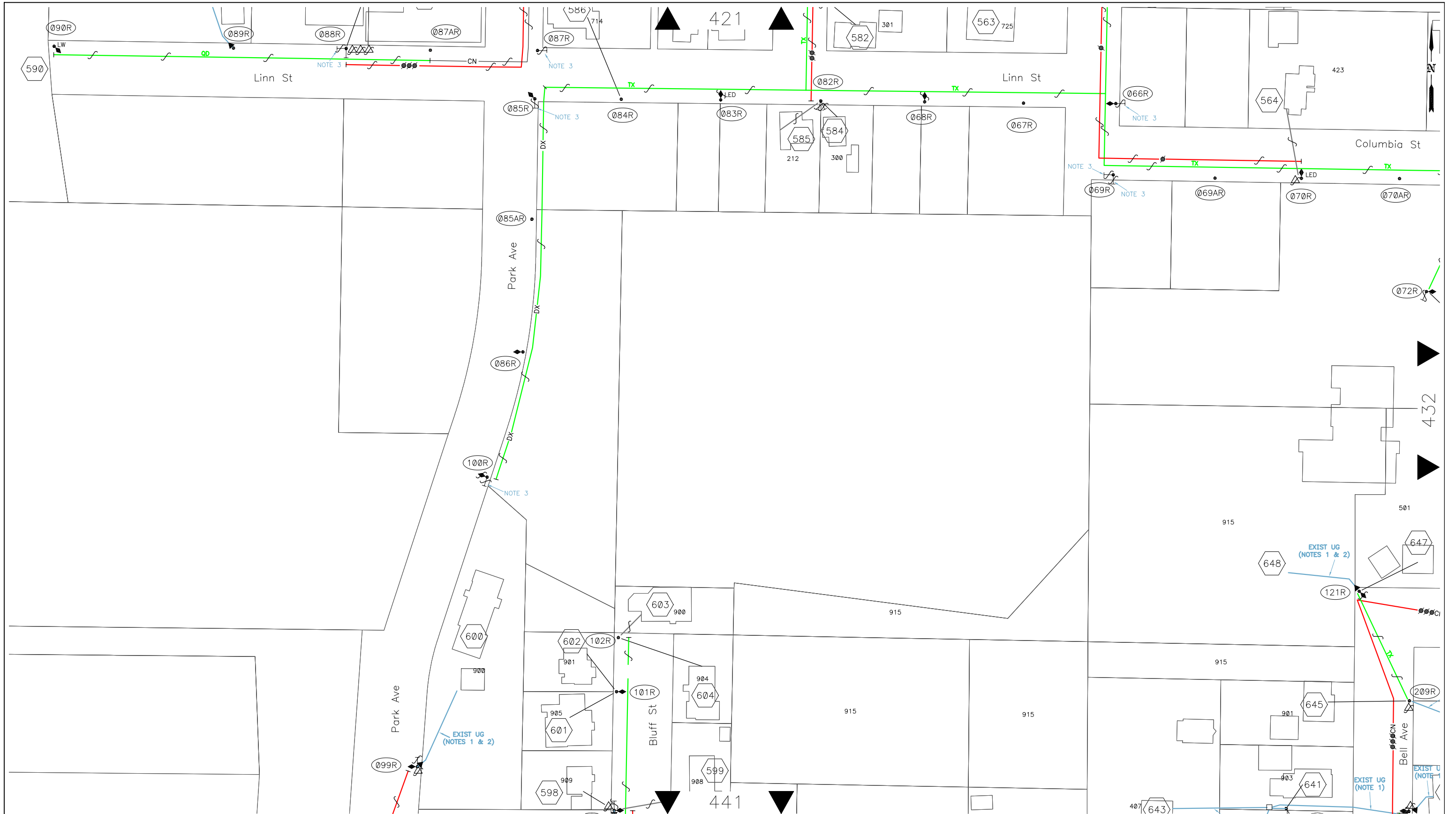


REV	DESCRIPTION	DESIGNED	DATE	INCEPTION
A	ISSUED FOR BIDDING	P&E	06-19-2023	DATE 2021-08-23

**ISSUED FOR CONSTRUCTION**

WEBSTER CITY  
 2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT  
 REMOVAL PLAN

REV A  
 DWG NO E9848-421R



Note 1: Divert existing UG service into pedestal or transformer  
 Note 2: See US111A to reuse secondary riser conduit  
 Note 3: Remove down guy only, anchor remains for comm DG

LEGEND	
(XXX) EQUIPMENT LOCATION	▲ 3 PH PAD MTD TRANSFORMER
(XXX) SERVICE LOCATION	▲ 1 PH PAD MTD TRANSFORMER
✓ REMOVE	▶ SECONDARY RISER
○ HANDHOLE	▶ PRIMARY RISER
● SECONDARY PEDESTAL	○ METER
— DOWN GUY	— SPAN GUY
— STREET LIGHT	● POLE

— SINGLE PHASE OH	— JCN SINGLE PHASE UG
— TWO PHASE OH	— JCN THREE PHASE UG
— THREE PHASE OH	
N NEUTRAL	
CN COMMON NEUTRAL	

— OVERHEAD	— OVERHEAD SERVICE
TX TRIPLEX	— OH SERVICE (REMOVE)
QD QUADPLEX	— UNDERGROUND SERVICE
DX DUPLEX	
●●N OPEN WIRE	

MODULE NUMBER:	N/A
SCALE:	0 50' 100'

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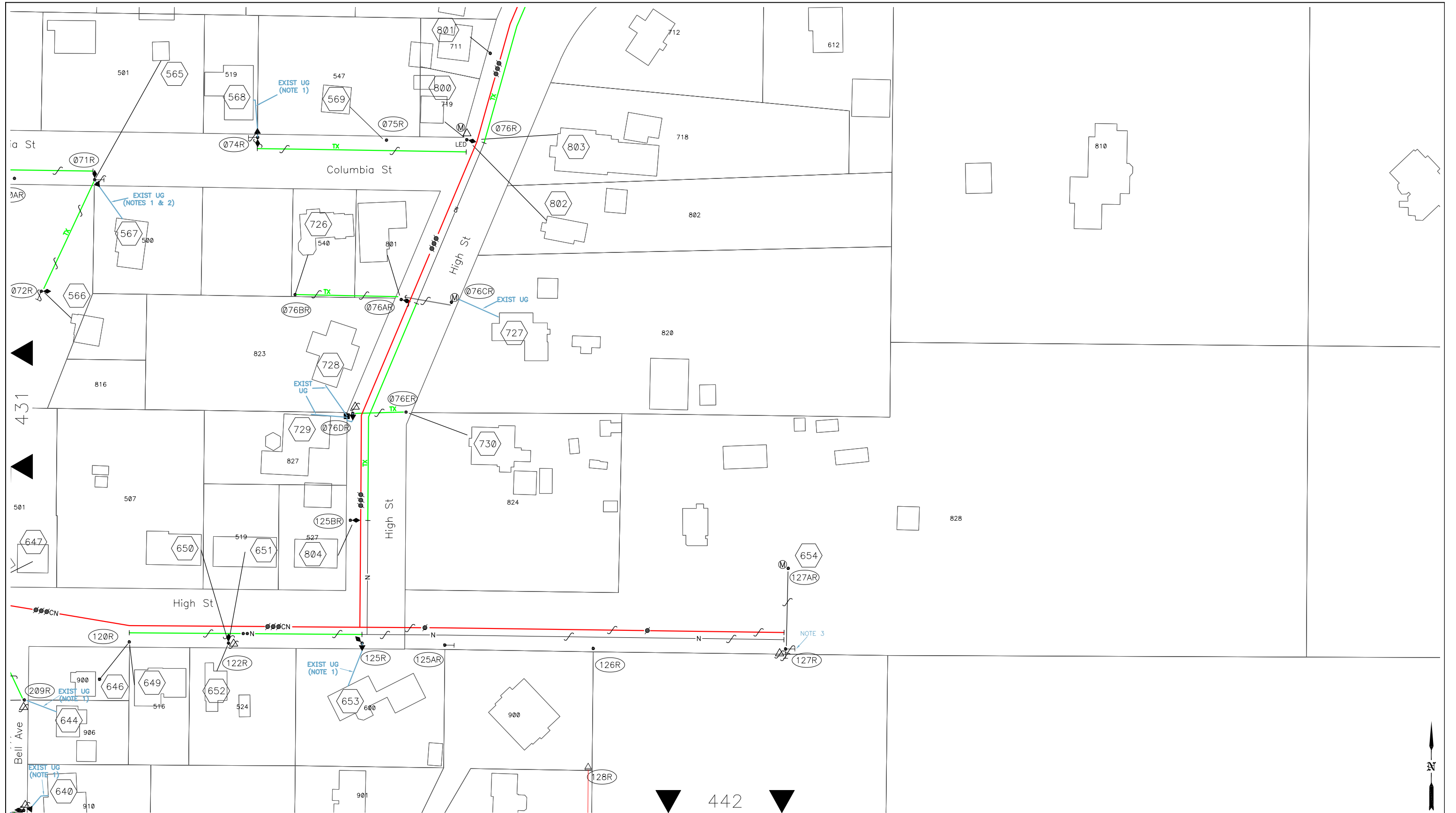


REV	DESCRIPTION	DESIGN	DATE	INCEPTION
A	ISSUED FOR BIDDING	P&E	06-19-2023	DATE 2021-08-23

**ISSUED FOR CONSTRUCTION**

WEBSTER CITY  
 2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT  
 REMOVAL PLAN

REV A  
 DWG NO E9848-431R



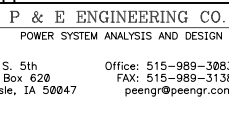
Note 1: Divert existing UG service into pedestal or transformer  
 Note 2: See US111A to reuse secondary riser conduit  
 Note 3: Remove down guy only, anchor remains for comm DG

LEGEND	
(XXX) EQUIPMENT LOCATION	(M) 3 PH PAD MTD TRANSFORMER
(XXX) SERVICE LOCATION	(M) 1 PH PAD MTD TRANSFORMER
(X) REMOVE	(M) 1 PH OH TRANSFORMER
(X) REMOVE	(M) PRIMARY RISER
(X) REMOVE	(M) SECONDARY PEDESTAL
(X) REMOVE	(M) HANDHOLE
(X) REMOVE	(M) SECONDARY RISER
(X) REMOVE	(M) METER
(X) REMOVE	(M) DOWN GUY
(X) REMOVE	(M) SPAN GUY
(X) REMOVE	(M) STREET LIGHT
(X) REMOVE	(M) POLE

(M) SINGLE PHASE OH	(M) SINGLE PHASE UG
(M) TWO PHASE OH	(M) THREE PHASE UG
(M) THREE PHASE OH	(M) COMMON NEUTRAL
(M) N NEUTRAL	(M) CN COMMON NEUTRAL

(M) OVERHEAD	(M) OVERHEAD SERVICE
(M) TX TRIPLEX	(M) OH SERVICE (REMOVE)
(M) QD QUADPLEX	(M) UNDERGROUND SERVICE
(M) DX DUPLEX	(M) UNDERGROUND SERVICE
(M) OPEN WIRE	(M) UNDERGROUND SERVICE

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REV	DESCRIPTION	DESIGN	DFTR	APPR	DATE	INCEPTION
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DESIGN	P&E
DFTR	P&E
APPR	ARP

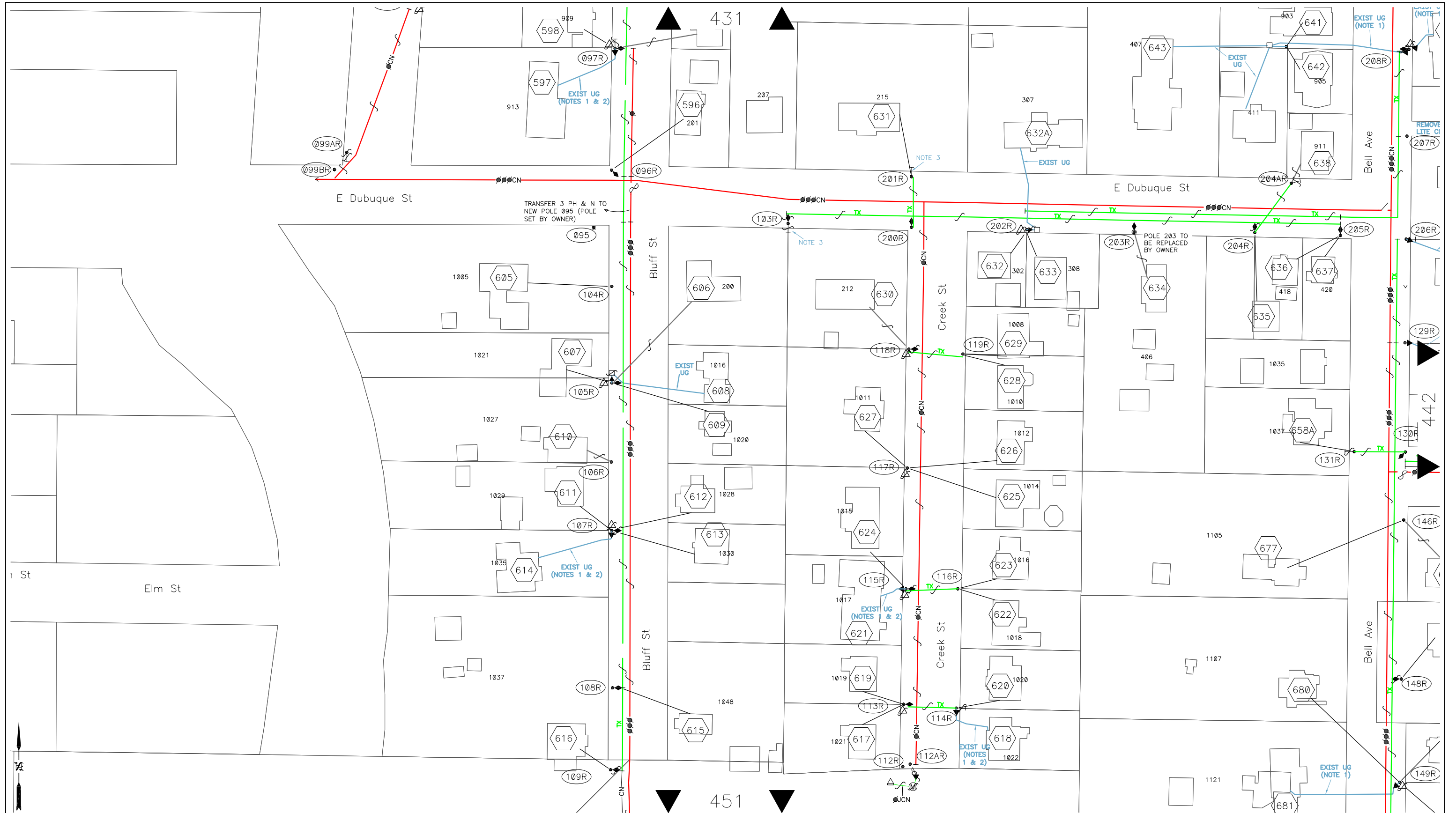
**ISSUED FOR CONSTRUCTION**

WEBSTER CITY  
 2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT  
 REMOVAL PLAN

MODULE NUMBER: N/A

SCALE: 0 50' 100'

REV A  
 DWG NO E9848-432R



Note 1: Divert existing UG service into pedestal or transformer  
 Note 2: See US111A to reuse secondary riser conduit  
 Note 3: Remove down guy only, anchor remains for comm DG

LEGEND	
(XXX) EQUIPMENT LOCATION	(▲) 3 PH PAD MTD TRANSFORMER
(XXX) SERVICE LOCATION	(▲) 1 PH PAD MTD TRANSFORMER
(/ ) REMOVE	(▲) 1 PH OH TRANSFORMER
(○) SECONDARY PEDESTAL	(▲) PRIMARY RISER
(○) HANDHOLE	(○) SECONDARY RISER
(○) METER	(○) METER
(—) DOWN GUY	(—) SPAN GUY
(—) STREET LIGHT	(●) POLE

(—) SINGLE PHASE OH	(—) SINGLE PHASE UG
(—) TWO PHASE OH	(—) THREE PHASE UG
(—) THREE PHASE OH	
(—) N NEUTRAL	
(—) CN COMMON NEUTRAL	

PRIMARY		SECONDARY	
(—) OVERHEAD	(—) OVERHEAD SERVICE	(—) OVERHEAD SERVICE	(—) OH SERVICE (REMOVE)
(TX) TRIPLEX	(—) UNDERGROUND SERVICE	(—) UNDERGROUND SERVICE	
(QD) QUADPLEX			
(DX) DUPLEX			
(●) OPEN WIRE			

MODULE NUMBER: N/A
SCALE: 0 50' 100'

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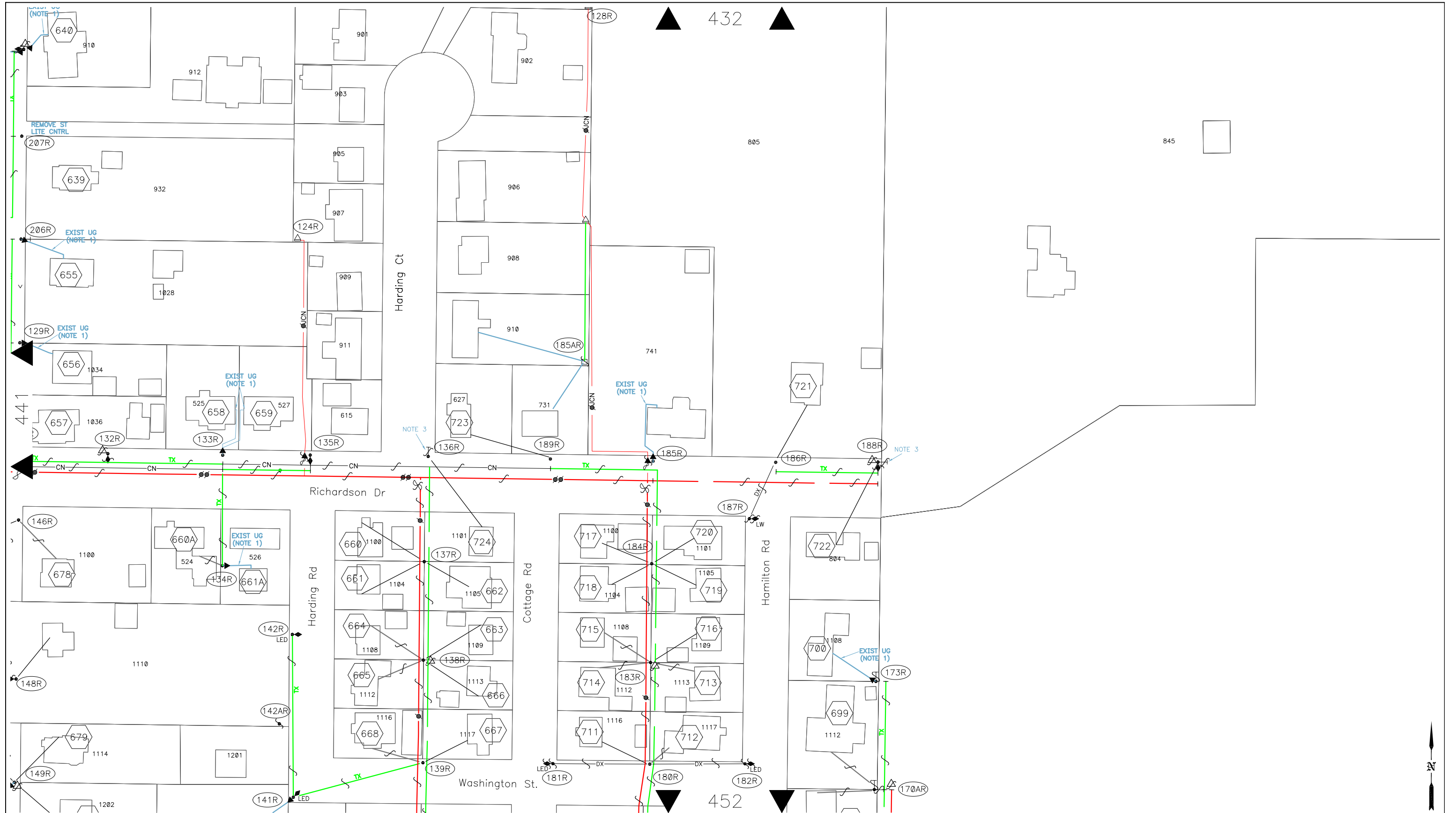
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		APPR		DATE P&E
				APPR ARP

**ISSUED FOR CONSTRUCTION**

**WEBSTER CITY**  
**2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT**  
 REMOVAL PLAN

REV A  
 DWG NO E9848-441R





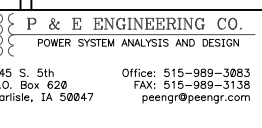
Note 1: Divert existing UG service into pedestal or transformer  
 Note 2: See US111A to reuse secondary riser conduit  
 Note 3: Remove down guy only, anchor remains for comm DG

LEGEND	
(XXX) EQUIPMENT LOCATION	(▲) 3 PH PAD MTD TRANSFORMER
(XXX) SERVICE LOCATION	(▲) 1 PH PAD MTD TRANSFORMER
(X) REMOVE	(▲) 1 PH OH TRANSFORMER
(●) SECONDARY PEDESTAL	(▲) PRIMARY RISER
(○) HANDHOLE	(●) SECONDARY RISER
(●) SECONDARY RISER	(●) METER
(—) DOWN GUY	(—) STREET LIGHT
(—) SPAN GUY	(●) POLE

(—) SINGLE PHASE OH	(—) SINGLE PHASE UG
(—) TWO PHASE OH	(—) THREE PHASE UG
(—) THREE PHASE OH	
N NEUTRAL	
CN COMMON NEUTRAL	

(—) OVERHEAD	(—) OVERHEAD SERVICE
(TX) TRIPLEX	(—) OH SERVICE (REMOVE)
(QD) QUADPLEX	(—) UNDERGROUND SERVICE
(DX) DUPLEX	
(●) OPEN WIRE	

P & E ENGINEERING CO.  
 POWER SYSTEM ANALYSIS AND DESIGN  
 245 S. 5th P.O. Box 620  
 Carlisle, IA 50047  
 Office: 515-989-3083  
 FAX: 515-989-3138  
 peengr@peengr.com



REV	DESCRIPTION	DESIGN	DATE	INCEPTION
A	ISSUED FOR BIDDING	P&E	06-19-2023	DATE 2021-08-23
		P&E		DESIGN P&E
		P&E		DFTR P&E
		APPR		APPR ARP

**ISSUED FOR CONSTRUCTION**

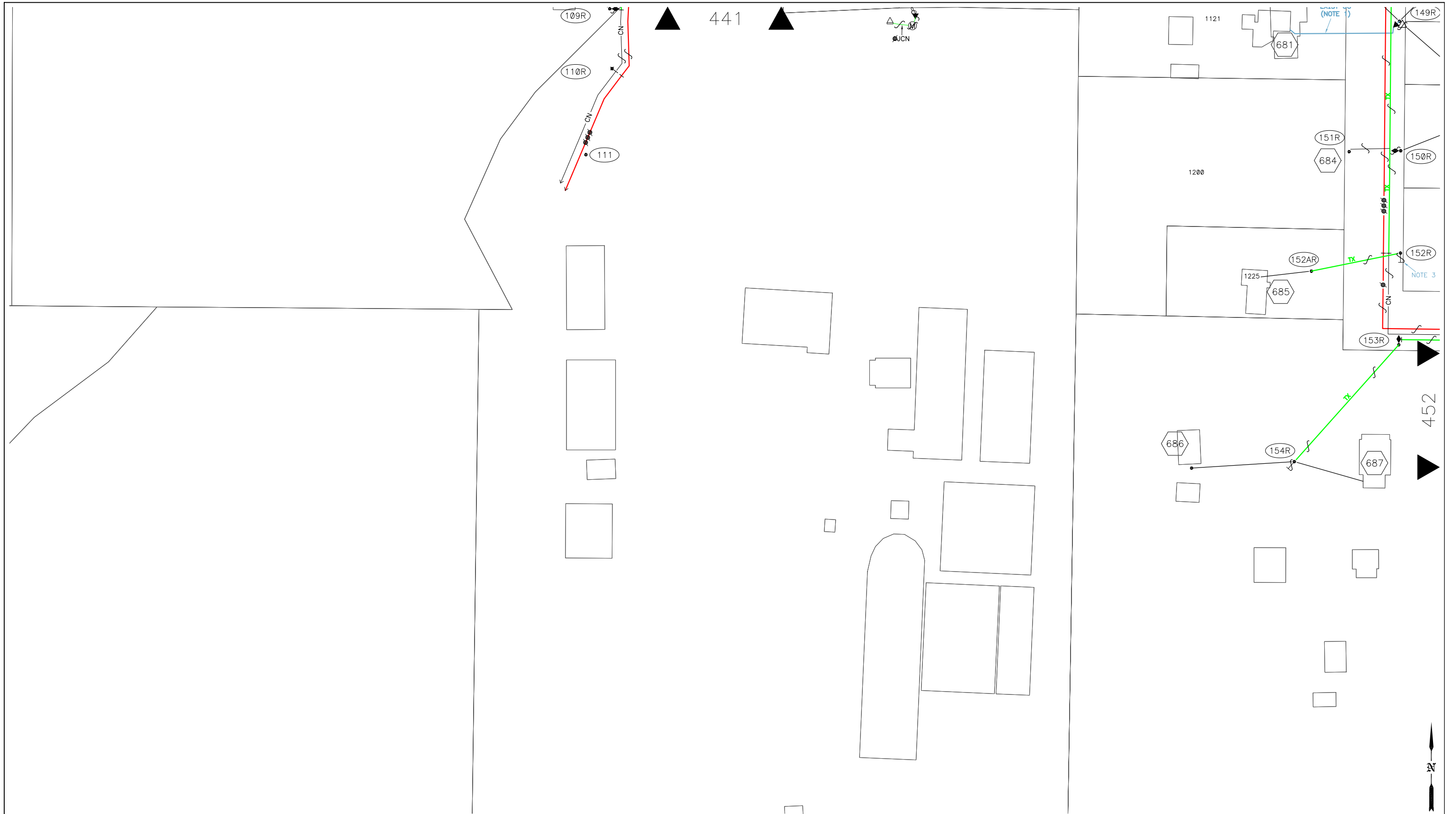
457 of 506

WEBSTER CITY  
 2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT  
 REMOVAL PLAN

MODULE NUMBER: N/A

SCALE: 0 50' 100'

REV A  
 DWG NO E9848-442R



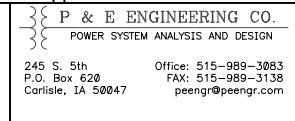
Note 1: Divert existing UG service into pedestal or transformer  
 Note 2: See US111A to reuse secondary riser conduit  
 Note 3: Remove down guy only, anchor remains for comm DG

LEGEND	
(XXX) EQUIPMENT LOCATION	▲ 3 PH PAD MTD TRANSFORMER
(XXX) SERVICE LOCATION	△ 1 PH PAD MTD TRANSFORMER
REMOVE	△ 1 PH OH TRANSFORMER
	▶ PRIMARY RISER
■ SECONDARY PEDESTAL	○ HANDHOLE
○ SECONDARY RISER	● METER
— DOWN GUY	— SPAN GUY
— STREET LIGHT	● POLE

— SINGLE PHASE OH	— JCN SINGLE PHASE UG
— TWO PHASE OH	— JCN THREE PHASE UG
— THREE PHASE OH	
N NEUTRAL	
CN COMMON NEUTRAL	

— OVERHEAD	— OVERHEAD SERVICE
TX TRIPLEX	— OH SERVICE (REMOVE)
QD QUADPLEX	— UNDERGROUND SERVICE
DX DUPLEX	
●●N OPEN WIRE	

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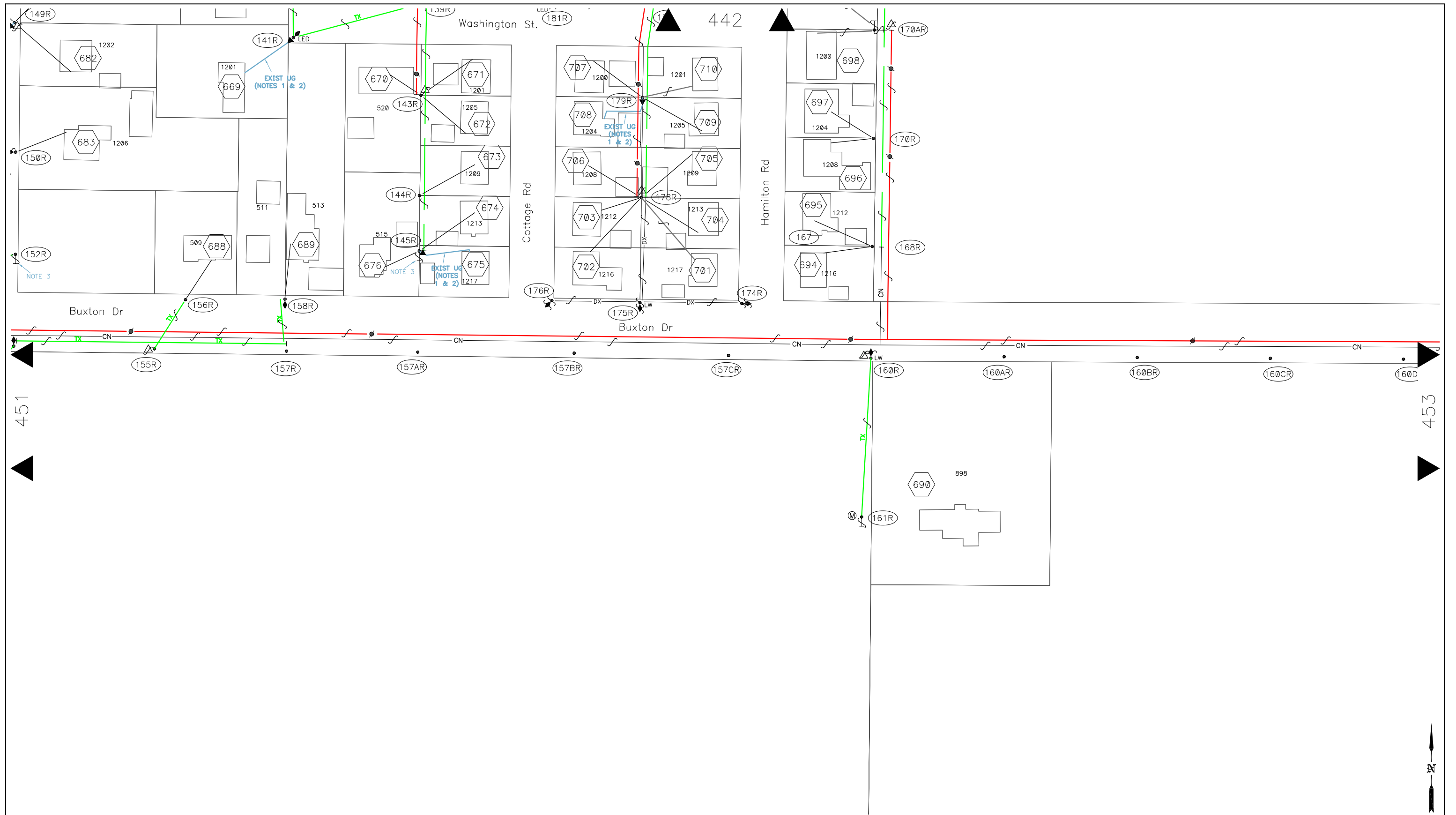


REV	DESCRIPTION	DESIGN	DFTR	APPR	DATE	INCEPTION
A	ISSUED FOR BIDDING	P&E	P&E	ARP	06-19-2023	DATE 2021-08-23
						DESIGN P&E
						DFTR P&E
						APPR ARP

**ISSUED FOR CONSTRUCTION**

WEBSTER CITY  
 2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT  
 REMOVAL PLAN

MODULE NUMBER: N/A
SCALE: 0 50' 100'
REV A DWG NO E9848-451R



Note 1: Divert existing UG service into pedestal or transformer  
 Note 2: See US111A to reuse secondary riser conduit  
 Note 3: Remove down guy only, anchor remains for comm DG

LEGEND	
(XXX) EQUIPMENT LOCATION	▲ 3 PH PAD MTD TRANSFORMER
(XXX) SERVICE LOCATION	▲ 1 PH PAD MTD TRANSFORMER
↗ REMOVE	▲ 1 PH OH TRANSFORMER
	▲ PRIMARY RISER
■ SECONDARY PEDESTAL	○ HANDHOLE
▶ SECONDARY RISER	● METER
— DOWN GUY	— SPAN GUY
— STREET LIGHT	● POLE

— SINGLE PHASE OH	— JCN SINGLE PHASE UG
— TWO PHASE OH	— JCN THREE PHASE UG
— THREE PHASE OH	
N NEUTRAL	
CN COMMON NEUTRAL	

— OVERHEAD	— OVERHEAD SERVICE
TX TRIPLEX	— OH SERVICE (REMOVE)
QD QUADPLEX	— UNDERGROUND SERVICE
DX DUPLEX	
●●N OPEN WIRE	

MODULE NUMBER:	N/A
SCALE:	0 50' 100'

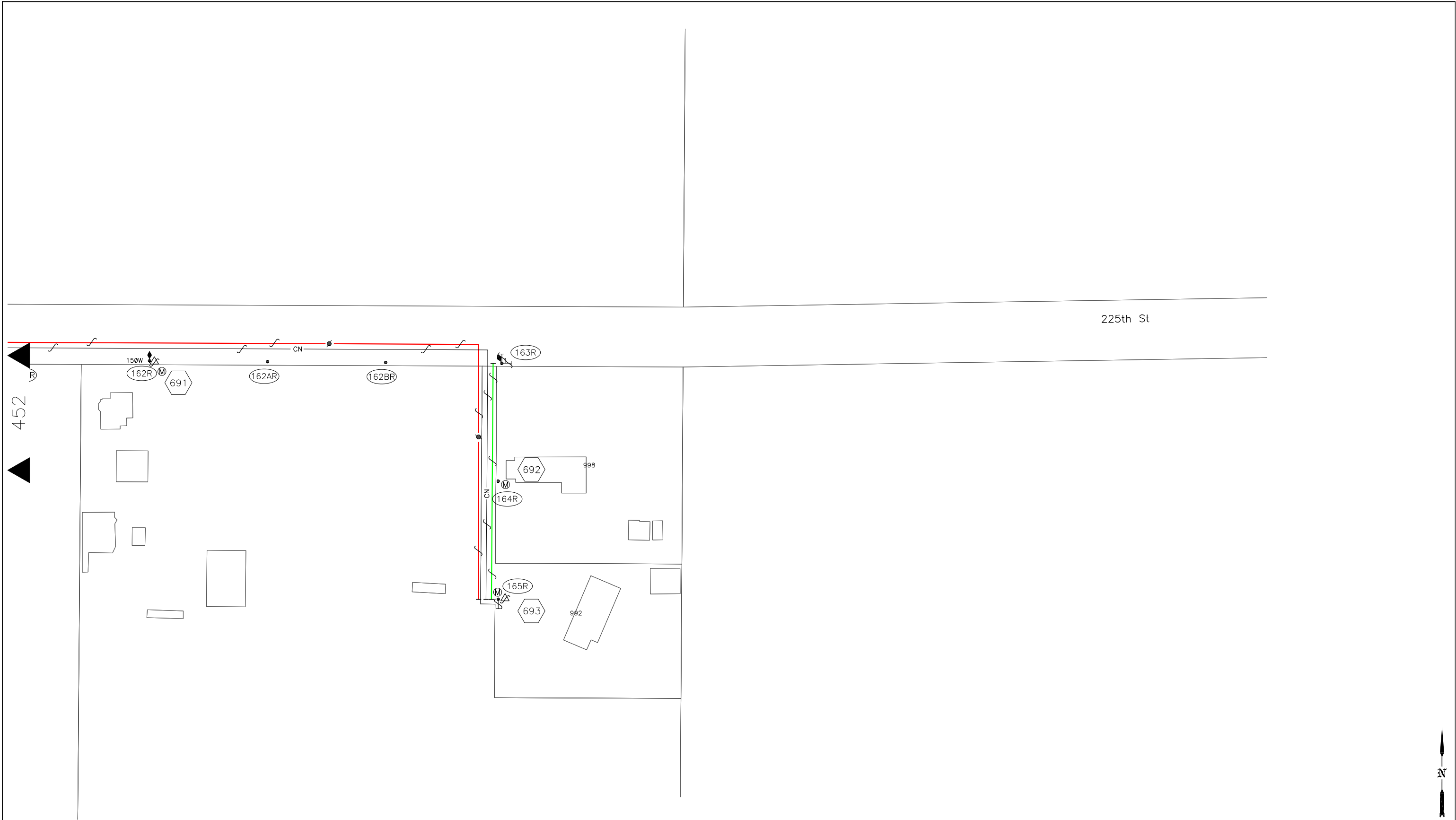
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REV	DESCRIPTION	DESIGN	DFTR	APPR	DATE	INCEPTION
A	ISSUED FOR BIDDING	P&E	P&E	ARP	06-19-2023	DATE 2021-08-23
						DESIGN P&E
						DFTR P&E
						APPR ARP

WEBSTER CITY  
 2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT  
 REMOVAL PLAN

REV A  
 DWG NO E9848-452R



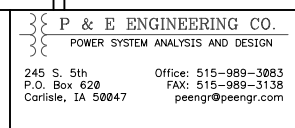
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LEGEND	
(XXX) EQUIPMENT LOCATION	▲ 3 PH PAD MTD TRANSFORMER
(XXX) SERVICE LOCATION	▲ 1 PH PAD MTD TRANSFORMER
REMOVE	▲ 1 PH OH TRANSFORMER
○ SECONDARY PEDESTAL	▴ PRIMARY RISER
○ HANDHOLE	○ SECONDARY RISER
▴ SECONDARY RISER	○ METER
— DOWN GUY	— SPAN GUY
— STREET LIGHT	● POLE

— SINGLE PHASE OH	— SINGLE PHASE UG
— TWO PHASE OH	— THREE PHASE UG
— THREE PHASE OH	
N NEUTRAL	
CN COMMON NEUTRAL	

— OVERHEAD	— OVERHEAD SERVICE
TX TRIPLEX	— OH SERVICE (REMOVE)
QD QUADPLEX	— UNDERGROUND SERVICE
DX DUPLEX	
●●N OPEN WIRE	

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REV	DESCRIPTION	DESIGN	DFTR	APPR	DATE	INCEPTION
A	ISSUED FOR BIDDING	P&E	P&E	ARP	06-19-2023	DATE 2021-08-23
						DESIGN P&E
						DFTR P&E
						APPR ARP

WEBSTER CITY  
 2022 ELECTRICAL UNDERGROUND CONVERSION PROJECT  
 REMOVAL PLAN

MODULE NUMBER: N/A  
 SCALE: 0 50' 100'  
 REV A  
 DWG. NO E9848-453R

**RESOLUTION NO. 2024 - XXX**

Resolution setting date for the sale of Water Revenue Bonds, Series 2024, and authorizing the use of a preliminary official statement in connection therewith

WHEREAS, the City of Webster City (the "City"), in Hamilton County, State of Iowa, did heretofore establish a Municipal Waterworks Utility System (the "Utility") in and for the City which has continuously supplied water service in and to the City and its inhabitants since its establishment; and

WHEREAS, the management and control of the Utility are vested in the City Council (the "Council") and no board of trustees exists for this purpose; and

WHEREAS, pursuant to a prior resolution of the Council (the "Outstanding Bond Resolution"), the City previously issued its \$5,055,000 Water Revenue Improvement and Refunding Bonds, Series 2021B, dated March 31, 2021 (the "Outstanding Bonds"), a portion of which remains outstanding; and

WHEREAS, pursuant to the Outstanding Bond Resolution, the City reserved the right to issue additional obligations payable from the net revenues of the Utility and ranking on a parity with the Outstanding Bonds under the terms and conditions set forth in the Outstanding Bond Resolution; and

WHEREAS, the City heretofore proposed to enter into a Water Revenue Loan Agreement (the "Loan Agreement") and to borrow money thereunder in a principal amount not to exceed \$5,395,000, pursuant to the provisions of Section 384.24A of the Code of Iowa, for the purpose of paying the cost, to that extent, of planning, designing, and constructing improvements and extensions to the Utility, and pursuant to law and a notice duly published, the City Council held a public hearing on such proposal on April 15, 2024;

WHEREAS, a Preliminary Official Statement (the "P.O.S.") has been prepared to facilitate the sale of Water Revenue Bonds, Series 2024 (the "Bonds") to be issued in evidence of the City's obligation under the Loan Agreement, and it is now necessary to make provision for the approval of the P.O.S. and to authorize its use by PFM Financial Advisors LLC as municipal advisor (the "Municipal Advisor") to the City; and

WHEREAS, furthermore, it is now necessary to set the date for the sale of the Bonds and to make provision for the advertisement thereof;

NOW, THEREFORE, It Is Resolved by the City Council of the City of Webster City, Iowa, as follows:

Section 1. The City Council hereby determines to enter into the Loan Agreement in the future and orders that the Bonds be issued at such time, in evidence thereof.

Section 2. The City Finance Director is hereby authorized to take such action as shall be deemed necessary and appropriate with the assistance of the Dorsey & Whitney LLP (the "Disclosure Counsel"), to prepare the P.O.S. describing the Bonds and providing for the terms and conditions of their sale, and all action heretofore taken in this regard is hereby ratified and approved.

Section 3. The use by the Municipal Advisor of the P.O.S. relating to the Bonds in substantially the form as has been presented to and considered by the City is hereby approved, and the Municipal Advisor, together with Disclosure Counsel, is hereby authorized to prepare and use a final

Official Statement for the Bonds substantially in the form of the P.O.S. but with such changes therein as are required to conform the same to the terms of the Bonds and the resolution, when adopted, providing for the sale and issuance of the Bonds, and the City Finance Director is hereby authorized and directed to execute a final Official Statement for the Bonds, if requested by the Municipal Advisor. The P.O.S. as of its date is deemed final by the City within the meaning of Rule 15(c)(2)-12 of the Securities and Exchange Commission.

Section 4. Sealed bids for the purchase of the Bonds shall be received and canvassed on behalf of the City until 11:00 a.m. on May 20, 2024, at (i) the office of the City's Finance Director in the Webster City Municipal Building, Webster City, and (ii) the office of the Municipal Advisor, PFM Financial Advisors LLC, 801 Grand Avenue, Suite 3300, Des Moines, Iowa, and the City Council shall meet at 6:00 p.m. on the same day for the purpose of considering such bids received and considering and passing a resolution providing for the award of the Bonds, and the Municipal Advisor is hereby authorized and directed to disseminate the notice of said sale, in compliance with the Internal Revenue Service regulations governing "Issue Price" determinations, such notice to minimally contain information regarding Establishment of Issue Price set forth in the "Terms of Offering" attached to the P.O.S. and to be in such form as the Municipal Advisor may deem to be appropriate.

Section 5. Pursuant to Section 75.14 of the Code of Iowa, the City Council hereby authorizes the use of electronic bidding procedures for the sale of the Bonds through PARITY®, and hereby finds and determines that the PARITY® competitive bidding system will provide reasonable security and maintain the integrity of the competitive bidding process and will facilitate the delivery of bids by interested parties under the circumstances of this bond sale.

Section 6. All resolutions or parts of resolutions in conflict herewith are hereby repealed to the extent of such conflict.

Section 7. This resolution shall be in full force and effect immediately upon its adoption and approval, as provided by law.

Passed and approved May 6, 2024.

---

John Hawkins, Mayor

Attest:

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Karyl K. Bonjour, City Clerk

RESOLUTION NO. 2024 - xxx

Resolution setting date for the sale of Electric Revenue Bonds, Series 2024, and authorizing the use of a preliminary official statement in connection therewith

WHEREAS, the City of Webster City (the "City"), in Hamilton County, State of Iowa, did heretofore establish a Municipal Electric Utility System (the "Utility") in and for the City which has continuously supplied electric service in and to the City and its inhabitants since its establishment; and

WHEREAS, the City is authorized and empowered by Chapter 384 of the Code of Iowa (the "Act") to borrow money for the Utility and the City has adopted a master bond resolution (the "Master Bond Resolution") authorizing the issuance from time to time of Obligations (as defined in the Master Bond Resolution) to borrow money secured by a lien on the Utility's Net Revenues (as defined in the Master Bond Resolution) as Parity Obligations or Subordinated Obligations (as each is defined in the Master Bond Resolution); and

WHEREAS, pursuant to a prior resolution of the Council (the "Outstanding Bond Resolution"), the City has heretofore issued its \$13,900,000 Taxable Electric Revenue Refunding Bonds, Series 2019, dated April 17, 2019 (the "Outstanding Bonds"), a portion of which remain outstanding; and

WHEREAS, pursuant to the Master Bond Resolution and the Outstanding Bond Resolution, the City reserved the right to issue additional obligations payable from the Net Revenues of the Utility and ranking on a parity with the Outstanding Bonds under the terms and conditions set forth in the Outstanding Bond Resolution; and

WHEREAS, pursuant to a prior resolution (the "2016 Note Resolution") the City has previously issued its \$1,000,000 Promissory Note, dated July 25, 2016 (the "2016 Note") a portion of which remains outstanding and is a Subordinated Obligation; and

WHEREAS, pursuant to a prior resolution (the "2017 Note Resolution") the City has previously issued its \$1,000,000 Promissory Note, dated December 17, 2017 (the "2017 Note") a portion of which remains outstanding and is a Subordinated Obligation; and

WHEREAS, the City heretofore proposed to enter into an Electric Revenue Loan Agreement (the "Loan Agreement") and to borrow money thereunder in a principal amount not to exceed \$8,835,000, pursuant to the provisions of Section 384.24A of the Code of Iowa, for the purpose of paying the cost, to that extent, of undertaking improvements to the Utility (the "Project"), and pursuant to law and a notice duly published, the City Council held a public hearing on such proposal on April 15, 2024; and

WHEREAS, a Preliminary Official Statement (the "P.O.S.") has been prepared to facilitate the sale of the Electric Revenue Bonds, Series 2024 (the "Bonds") to be issued in evidence of the City's obligation under the Loan Agreement, and it is now necessary to make provision for the approval of the P.O.S. and to authorize its use by PFM Financial Advisors LLC as Municipal Advisor (the "Municipal Advisor") to the City; and

WHEREAS, furthermore, it is now necessary to set the date for the sale of the Bonds and to make provision for the advertisement thereof;

NOW, THEREFORE, It Is Resolved by the City Council of the City of Webster City, Iowa, as follows:

Section 1. The City Council hereby determines to enter into the Loan Agreement in the future and orders that the Bonds be issued at such time, in evidence thereof.

Section 2. The City Finance Director is hereby authorized to take such action as shall be deemed necessary and appropriate with the assistance of the Dorsey & Whitney LLP (the "Disclosure Counsel"), to prepare the P.O.S. describing the Bonds and providing for the terms and conditions of their sale, and all action heretofore taken in this regard is hereby ratified and approved.

Section 3. The use by the Municipal Advisor of the P.O.S. relating to the Bonds in substantially the form as has been presented to and considered by the City is hereby approved, and the Municipal Advisor, together with Disclosure Counsel, is hereby authorized to prepare and use a final Official Statement for the Bonds substantially in the form of the P.O.S. but with such changes therein as are required to conform the same to the terms of the Bonds and the resolution, when adopted, providing for the sale and issuance of the Bonds, and the City Finance Director is hereby authorized and directed to execute a final Official Statement for the Bonds, if requested by the Municipal Advisor. The P.O.S. as of its date is deemed final by the City within the meaning of Rule 15(c)(2)-12 of the Securities and Exchange Commission.

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Section 5. Pursuant to Section 75.14 of the Code of Iowa, the City Council hereby authorizes the use of electronic bidding procedures for the sale of the Bonds through PARITY®, and hereby finds and determines that the PARITY® competitive bidding system will provide reasonable security and maintain the integrity of the competitive bidding process and will facilitate the delivery of bids by interested parties under the circumstances of this bond sale.

Section 6. All resolutions or parts of resolutions in conflict herewith are hereby repealed to the extent of such conflict.

Section 7. This resolution shall be in full force and effect immediately upon its adoption and approval, as provided by law.

Passed and approved May 6, 2024.

\_\_\_\_\_  
John Hawkins, Mayor

Attest: \_\_\_\_\_  
Karyl K. Bonjour, City Clerk





## MEMORANDUM

**TO:** Mayor and City Council

**FROM:** Derrick Drube, ROW Inspector/ Construction Coordinator

**DATE:** May 6, 2024

**RE:** Final Acceptance and Payout of Lincoln Drive Reconstruction Project

---

**SUMMARY:** The Lincoln Drive Reconstruction Project is complete and ready for close out. Project acceptance and final payment authorization from the City Council is needed to close out the project.

**PREVIOUS COUNCIL ACTION:** The Council approved award of contract to Doyle Construction for the Lincoln Drive Reconstruction Project on November 21, 2022 in an amount of \$1,376,376.50

Council previously approved change orders 1-4.

**BACKGROUND/DISCUSSION:** The City entered into an agreement with Doyle Construction to perform the Lincoln Drive Reconstruction Project. The project was to reconstruct Lincoln Drive from Elmhurst Drive to the end of Lincoln Drive.

Change order 5 in the amount of \$3,625.00 is for quantity adjustments. Staff is recommending Change Order No. 5 be approved as part of the closeout process.

The engineer for this project was Snyder & Associates. They have indicated the project is ready for closeout and amount due upon approval of closeout to the contractor is \$74,372.43 and retainage in the amount of \$14,074.86 in thirty days after approval. Staff and Snyder & Associates have verified all punch list items have been completed.

**FINANCIAL IMPLICATIONS:** Funding for this project will be absorbed through LOSST.

**RECOMMENDATION:** Staff recommends the City Council accept and authorize final payment to Doyle Construction and authorize the City Manager to sign and execute Change Order No. 5.

**RESOLUTION NO. 2024 - XXX**

**RESOLUTION AUTHORIZING THE CITY MANAGER TO  
SIGN AND EXECUTE CHANGE ORDER NO. 5 AND COUNCIL TO AUTHORIZE  
FINAL PAYMENT AND RETAINAGE IN THIRTY DAYS TO DOYLE CONSTRUCTION, FORT DODGE, IOWA  
FOR THE COMPLETION OF THE LINCOLN DRIVE RECONSTRUCTION PROJECT**

**WHEREAS**, on November 21, 2022, the City of Webster City did enter into a contract with Doyle Construction, 516 N. 6<sup>th</sup> Street, Fort Dodge, Iowa for completion of the Lincoln Drive Reconstruction Project; and

**WHEREAS**, contract Change Order No. 5 has been prepared resulting in an increase of \$3,625.00; and

**WHEREAS**, the City of Webster City will execute Contract Change Order No. 5;

Original Contract Price	\$ 1,376,376.50
Previous Revised Contract Price	\$ 1,403,861.00
Change Order No.5	\$ 3,625.00
Revised Contract Price	\$ 1,407,486.00

**NOW THEREFORE BE IT RESOLVED** by the City Council of the City of Webster City, Iowa

**SECTION 1:** Authorize City Manager to sign and execute Change Order 5 with Doyle Construction, Fort Dodge, Iowa for the Lincoln Drive Reconstruction Project.

**SECTION 2:** Authorizes final payment of \$74,372.43 and retainage in the amount of \$14,074.86 in thirty days to Doyle Construction, Fort Dodge, Iowa and accepts the work performed under the Lincoln Drive Reconstruction Project.

Passed and adopted this 6th day of May, 2024.

\_\_\_\_\_  
John Hawkins, Mayor

ATTEST:

\_\_\_\_\_  
Karyl K. Bonjour, City Clerk



April 26, 2024

Mr. Derrick Drube  
City of Webster City  
400 Second Street, P.O. Box 217  
Webster City, Iowa 50595

RE: LINCOLN DRIVE RECONSTRUCTION  
PARTIAL PAYMENT APPLICATION NO. 5 (FINAL)  
CHANGE ORDER NO. 5 (FINAL)  
CITY PROJECT NO. 9-23-001-01  
S&A PROJECT NO. 122.0346.01

Dear Mr. Drube:

Attached please find Partial Payment Application No. 5 for work completed on the Lincoln Drive Reconstruction project through April 26, 2024. The Contractor's work through this period includes completing all work on the contract items and addressing all punch list items.

We recommend payment of Partial Payment Application No. 5 (Final) in the amount of \$74,372.43 to the Contractor, Doyle Construction, for work completed through April 26, 2024. Change Order No. 5 includes balancing out final pay quantities. We recommend approval of Change Order No. 5 in the amount of \$3,625.00.

Furthermore, we have completed a review of the construction improvements, and these improvements are in substantial conformance with the plans and specifications for the project. I am recommending the City accept the project.

Please contact me should you have any questions on this partial payment application and change order.

Sincerely,

SNYDER & ASSOCIATES, INC.

A handwritten signature in blue ink, appearing to read 'Laura C. Lamberty', is written over a light blue horizontal line.

Laura C. Lamberty, P.E.  
Project Manager

Enclosures

# CERTIFICATE OF COMPLETION

## *LINCOLN DRIVE RECONSTRUCTION PROJECT*

Webster City, Iowa

*April 26, 2024*

We hereby declare that we have made an on-site review of the completed construction of the *Lincoln Drive Reconstruction Project* as performed by Doyle Construction.

As Engineers for the project, it is our opinion that the work performed is in substantial conformance with the plans and specifications, and that the final amount of the Contract is **\$1,407,486.00**. I hereby recommend acceptance of the project.

Respectfully submitted,

SNYDER & ASSOCIATES, INC.



*Laura C. Lamberty, P.E.  
Civil Engineer  
Snyder & Associates, Inc.  
Iowa License Number P21814*



APPLICATION FOR PARTIAL PAYMENT NO. 5

PROJECT: Lincoln Drive Reconstruction

S&A PROJECT NO.: 122.0346.01

OWNER: City of Webster City
PRIME CONTRACTOR: Doyle Construction
516 N. 6th Street
Fort Dodge, IA 50501
DATE: May 6, 2024

PAYMENT PERIOD: 10/1/23-4/25/24

1. CONTRACT SUMMARY:

Original Contract Amount: \$ 1,376,376.50
Net Change by Change Order (1 - 5): \$ 31,109.50
Contract Amount to Date: \$ 1,407,486.00

CONTRACT PERIOD: TOTAL WORKING DAYS

Original Contract Date: November 21, 2022
Start Date: April 24, 2023
Contract Working Days: 80
Added by Change Order: 2.5
Contract Time to Date: 85.5
Contract Time Remaining: -3

2. WORK SUMMARY:

Total Work Performed to Date: \$ 1,407,486.00
Total Stockpiled Materials: \$ -
Retainage: 1% \$ 14,074.86
Liquidated Damages:
Total Earned Less Retainage & LDs: \$ 1,393,411.14
Less Previous Applications for Payment: \$ 1,319,038.71
AMOUNT DUE THIS APPLICATION: \$ 74,372.43

3. CONTRACTOR'S CERTIFICATION:

The undersigned CONTRACTOR certifies that:

- (1) all previous progress payments received from OWNER on account of Work done under the contract referred to above have been applied to discharge in full all obligations of CONTRACTOR incurred in connection with the Work covered by prior Applications for Payment; and
(2) title to all materials and equipment incorporated in said Work or otherwise listed in or covered by the application for Payment are free and clear of all liens, claims, security interests, and encumbrances

Doyle Construction
CONTRACTOR
By Eric J Doyle DATE: 4/26/2024

4. ENGINEER'S APPROVAL:

Payment of the above AMOUNT DUE THIS APPLICATION is recommended:

Snyder & Associates, Inc.
ENGINEER
By [Signature] DATE: 4/26/2024

5. OWNER'S APPROVAL

City of Webster City
OWNER
By \_\_\_\_\_ DATE: \_\_\_\_\_

6. DETAILED ESTIMATE OF WORK COMPLETED:

ITEM NO.	DESCRIPTION OF WORK	QUANTITY			UNIT	UNIT PRICE	TOTAL COST	WORK COMPLETED		TOTAL COMPLETED	%	CO#
		EST	PREV.	THIS PERIOD				PREVIOUS	THIS PERIOD			
<b>2</b>	<b>EARTHWORK</b>											
2.01	Clearing and Grubbing	1	1	0	LS	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ -	\$ 8,000.00	100%	
2.02	Topsoil, On-Site, 6 Inch Depth	247	247	0	CY	\$ 25.00	\$ 6,175.00	\$ 6,175.00	\$ -	\$ 6,175.00	100%	5
2.03	Topsoil, Off-site, 6 Inch Depth	337	337	0	CY	\$ 50.00	\$ 16,850.00	\$ 16,850.00	\$ -	\$ 16,850.00	100%	5
2.04	Excavation, Class 10	1,189	1189	0	CY	\$ 20.00	\$ 23,780.00	\$ 23,780.00	\$ -	\$ 23,780.00	100%	
2.05	Subgrade Treatment, Geogrid, Type 3	5,166	5166	0	SY	\$ 13.00	\$ 67,158.00	\$ 67,158.00	\$ -	\$ 67,158.00	100%	1,2
2.06	Subbase, Modified, 8 Inch Depth (City furnished)	4,195	4195	0	SY	\$ 11.00	\$ 46,145.00	\$ 46,145.00	\$ -	\$ 46,145.00	100%	1,2,5
2.07	Compaction Testing	1	1	0	LS	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ -	\$ 5,000.00	100%	
2.08	Clearing and Grubbing	1	0	1	LS	\$ 2,500.00	\$ 2,500.00	\$ -	\$ 2,500.00	\$ 2,500.00	100%	4
<b>3</b>	<b>TRENCH AND TRENCHLESS CONSTRUCTION</b>											
3.01	Trench Compaction and Testing	1	1	0	LS	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ -	\$ 1,500.00	100%	
<b>4</b>	<b>SEWERS AND DRAINS</b>											
4.01	Sanitary Sewer Service Stub, PVC, 4 Inch Dia., Remove and Replace	9	9	0	EA	\$ 5,000.00	\$ 45,000.00	\$ 45,000.00	\$ -	\$ 45,000.00	100%	5
4.02	Storm Sewer, Trenched, PVC, 10 Inch Dia.	102	102	0	LF	\$ 100.00	\$ 10,200.00	\$ 10,200.00	\$ -	\$ 10,200.00	100%	1
4.03	Storm Sewer, Trenched, Class III RCP, 15 Inch Dia.	106	106	0	LF	\$ 95.00	\$ 10,070.00	\$ 10,070.00	\$ -	\$ 10,070.00	100%	5
4.04	Storm Sewer, Trenched, Class III RCP, 24 Inch Dia.	152	152	0	LF	\$ 120.00	\$ 18,240.00	\$ 18,240.00	\$ -	\$ 18,240.00	100%	5
4.05	Storm Sewer, Trenchless, C900, RJ, 12 Inch Dia.	109	109	0	LF	\$ 325.00	\$ 35,425.00	\$ 35,425.00	\$ -	\$ 35,425.00	100%	
4.06	Removal of Storm Sewer, Less than or equal to 36 Inch Dia.	213	213	0	LF	\$ 20.00	\$ 4,260.00	\$ 4,260.00	\$ -	\$ 4,260.00	100%	
4.07	Pipe Apron and Guard, CMP, 12 Inch Dia.	1	1	0	EA	\$ 800.00	\$ 800.00	\$ 800.00	\$ -	\$ 800.00	100%	
4.08	Subdrain, Longitudinal, HDPE, Perforated, 6 Inch Dia.	1,883	1882	1	LF	\$ 20.00	\$ 37,660.00	\$ 37,640.00	\$ 20.00	\$ 37,660.00	100%	
4.09	Subdrain Cleanout, Type A-2, 6 Inch Dia.	7	7	0	EA	\$ 750.00	\$ 5,250.00	\$ 5,250.00	\$ -	\$ 5,250.00	100%	5
4.10	Subdrain Outlets & Connections	8	8	0	EA	\$ 550.00	\$ 4,400.00	\$ 4,400.00	\$ -	\$ 4,400.00	100%	
4.11	Pre-Rehabilitation Pipe Cleaning and Inspection, 8 Inch Dia.	979	979	0	LF	\$ 3.00	\$ 2,937.00	\$ 2,937.00	\$ -	\$ 2,937.00	100%	
4.12	Additional Sewer Cleaning, 8 Inch Dia.	6	6	0	HR	\$ 375.00	\$ 2,250.00	\$ 2,250.00	\$ -	\$ 2,250.00	100%	
4.13	Remove Protruding Service Connections	1	1	0	EA	\$ 900.00	\$ 900.00	\$ 900.00	\$ -	\$ 900.00	100%	
4.14	CIPP Main Lining, UV Cure, 8 Inch Dia.	979	979	0	LF	\$ 58.50	\$ 57,271.50	\$ 57,271.50	\$ -	\$ 57,271.50	100%	
4.15	Building Sanitary Service Reinstatement	18	18	0	EA	\$ 120.00	\$ 2,160.00	\$ 2,160.00	\$ -	\$ 2,160.00	100%	
4.16	Bypass Pumping	1	1	0	LS	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ -	\$ 6,000.00	100%	
4.17	Spot Repair per Location	1	1	0	EA	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ -	\$ 5,000.00	100%	
4.18	Spot Repair by Pipe Replacement	20	20	0	LF	\$ 300.00	\$ 6,000.00	\$ 6,000.00	\$ -	\$ 6,000.00	100%	5
4.19	Apron and Pipe Removal	1	0	1	LS	\$ 1,200.00	\$ 1,200.00	\$ -	\$ 1,200.00	\$ 1,200.00	100%	4
4.20	Storm Sewer, C900, 12-Inch Dia.	15	0	15	LF	\$ 300.00	\$ 4,500.00	\$ -	\$ 4,500.00	\$ 4,500.00	100%	4, 5
4.21	Storm Sewer, PVC, SDR-26, 12-Inch Dia.	40	0	40	LF	\$ 105.00	\$ 4,200.00	\$ -	\$ 4,200.00	\$ 4,200.00	100%	4
4.22	Pipe Apron, 12" Dia.	1	0	1	EA	\$ 500.00	\$ 500.00	\$ -	\$ 500.00	\$ 500.00	100%	4
<b>5</b>	<b>WATER MAIN AND APPURTENANCES</b>											
5.01	Water Main, Trenched, PVC C900 DR18, 8 Inch Dia.	1,086.5	1086.5	0.0	LF	\$ 75.00	\$ 81,487.50	\$ 81,487.50	\$ -	\$ 81,487.50	100%	5
5.02	Fitting, Cap/Plug or Blind Flange, Any Size	3	3	0	EA	\$ 950.00	\$ 2,850.00	\$ 2,850.00	\$ -	\$ 2,850.00	100%	
5.03	Fitting, By Weight	1,115	1115	0	LB	\$ 20.00	\$ 22,300.00	\$ 22,300.00	\$ -	\$ 22,300.00	100%	5
5.04	Water Service Stub, Polyethylene, 1 Inch Dia.	19	19	0	EA	\$ 2,500.00	\$ 47,500.00	\$ 47,500.00	\$ -	\$ 47,500.00	100%	3
5.05	Water Main Plug, Fill, and Abandonment, 8 Inch Dia. or Less	959	959	0	LF	\$ 15.00	\$ 14,385.00	\$ 14,385.00	\$ -	\$ 14,385.00	100%	5
5.06	Water Main Removal, 8 Inch Dia. or Less	162	162	0	LF	\$ 20.00	\$ 3,240.00	\$ 3,240.00	\$ -	\$ 3,240.00	100%	5
5.07	Water Main Connection, Cut-In	3	3	0	EA	\$ 4,000.00	\$ 12,000.00	\$ 12,000.00	\$ -	\$ 12,000.00	100%	
5.08	Gate Valve, 8 Inch Dia.	5	5	0	EA	\$ 2,700.00	\$ 13,500.00	\$ 13,500.00	\$ -	\$ 13,500.00	100%	
5.09	Fire Hydrant Assembly	4	4	0	EA	\$ 6,500.00	\$ 26,000.00	\$ 26,000.00	\$ -	\$ 26,000.00	100%	
5.10	Fire Hydrant Assembly Removal	3	3	0	EA	\$ 1,200.00	\$ 3,600.00	\$ 3,600.00	\$ -	\$ 3,600.00	100%	
5.11	Valve and Valve Box Removal	4	4	0	EA	\$ 1,000.00	\$ 4,000.00	\$ 4,000.00	\$ -	\$ 4,000.00	100%	
5.12	Valve Box Adjustment and Boxout	4	4	0	EA	\$ 750.00	\$ 3,000.00	\$ 3,000.00	\$ -	\$ 3,000.00	100%	
5.13	Temporary Water Service Connection	1	1	0	EA	\$ 500.00	\$ 500.00	\$ 500.00	\$ -	\$ 500.00	100%	3
<b>6</b>	<b>STRUCTURES FOR SANITARY AND STORM</b>											
6.01	Manhole, Type SW-301, 48 Inch Dia.	1	1	0	EA	\$ 5,500.00	\$ 5,500.00	\$ 5,500.00	\$ -	\$ 5,500.00	100%	
6.02	Manhole, Type SW-401, 48 Inch Dia.	2	2	0	EA	\$ 5,000.00	\$ 10,000.00	\$ 10,000.00	\$ -	\$ 10,000.00	100%	
6.03	Manhole, Type SW-401, 60 Inch Dia.	1	1	0	EA	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00	\$ -	\$ 6,500.00	100%	
6.04	Intake, Storm, SW-505	1	1	0	EA	\$ 5,500.00	\$ 5,500.00	\$ 5,500.00	\$ -	\$ 5,500.00	100%	
6.05	Intake, Storm, SW-509	3	3	0	EA	\$ 9,000.00	\$ 27,000.00	\$ 27,000.00	\$ -	\$ 27,000.00	100%	
6.06	Manhole Adjustment, Minor	3	3	0	EA	\$ 4,500.00	\$ 13,500.00	\$ 13,500.00	\$ -	\$ 13,500.00	100%	
6.07	Remove Manhole	2	2	0	EA	\$ 1,000.00	\$ 2,000.00	\$ 2,000.00	\$ -	\$ 2,000.00	100%	
6.08	Remove Intake	2	2	0	EA	\$ 1,000.00	\$ 2,000.00	\$ 2,000.00	\$ -	\$ 2,000.00	100%	
6.09	Manhole Lining with Centrifugally Cast Cementitious Mortar Lining	43	43	0	VF	\$ 475.00	\$ 20,425.00	\$ 20,425.00	\$ -	\$ 20,425.00	100%	
<b>7</b>	<b>STREETS AND RELATED WORK</b>											
7.01	Curb and Gutter, 2.5' Width, 6 Inch Thickness	2,393	2393	0	LF	\$ 55.00	\$ 131,615.00	\$ 131,615.00	\$ -	\$ 131,615.00	100%	2
7.02	Curb and Gutter, Modified Slope Curb, 2.5' Width, 6 Inch Thickness	31	31	0	LF	\$ 75.00	\$ 2,325.00	\$ 2,325.00	\$ -	\$ 2,325.00	100%	
7.03	Pavement, HMA, ST, PG 58-28S	1,330.02	1330.02	0.00	TON	\$ 115.00	\$ 152,952.30	\$ 152,952.30	\$ -	\$ 152,952.30	100%	1,5
7.04	PCC and HMA Pavement Samples and Testing	1	1	0	LS	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ -	\$ 6,000.00	100%	
7.05	Removal of Sidewalk	10	10	0	SY	\$ 15.00	\$ 150.00	\$ 150.00	\$ -	\$ 150.00	100%	5
7.06	Removal of Driveway	310	310	0	SY	\$ 15.00	\$ 4,650.00	\$ 4,650.00	\$ -	\$ 4,650.00	100%	5
7.07	Sidewalk, PCC, 4 Inch Thickness	10	10	0	SY	\$ 150.00	\$ 1,500.00	\$ 1,500.00	\$ -	\$ 1,500.00	100%	
7.08	Driveway, Paved, PCC, 6 Inch Thickness	412.2	406	6.2	SY	\$ 90.00	\$ 37,098.00	\$ 36,540.00	\$ 558.00	\$ 37,098.00	100%	5
7.09	Temporary Granular Surfacing, 6 Inch Thickness	579.17	579.17	0	TON	\$ 50.00	\$ 28,958.50	\$ 28,958.50	\$ -	\$ 28,958.50	100%	5
7.10	Subbase Over-excavation (Core Out)	0	0	0	CY	\$ 25.00	\$ -	\$ -	\$ -	\$ -	100%	5
7.11	Pavement Removal	4,616	4616	0	SY	\$ 12.00	\$ 55,392.00	\$ 55,392.00	\$ -	\$ 55,392.00	100%	1,2
<b>8</b>	<b>TRAFFIC CONTROL</b>											
8.01	Temporary Traffic Control	1	1	0	LS	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ -	\$ 8,000.00	100%	
<b>9</b>	<b>SITE WORK AND LANDSCAPING</b>											
9.01	Hydraulic Seeding, Type 1 Mix, Fertilizing, and BFM Mulching	1.0	1	0	AC	\$ 8,500.00	\$ 8,500.00	\$ 8,500.00	\$ -	\$ 8,500.00	100%	
9.02	SWPPP Preparation	1	1	0	LS	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ -	\$ 1,500.00	100%	
9.03	SWPPP Management	1	1	0	LS	\$ 2,700.00	\$ 2,700.00	\$ 2,700.00	\$ -	\$ 2,700.00	100%	
9.04	Filter Sock, 9 Inch Dia.	2,699	2699	0	LF	\$ 2.00	\$ 5,398.00	\$ 5,398.00	\$ -	\$ 5,398.00	100%	5
9.05	Filter Sock, Removal	2,699	0	2699	LF	\$ 1.00	\$ 2,699.00	\$ -	\$ 2,699.00	\$ 2,699.00	100%	5
9.06	Temporary RECP, Type 1.D	507.2	507.2	0	SY	\$ 10.00	\$ 5,072.00	\$ 5,072.00	\$ -	\$ 5,072.00	100%	5
9.07	Turf Reinforcement Mat, Type 3	2.42	2.42	0	SQ	\$ 150.00	\$ 363.00	\$ 363.00	\$ -	\$ 363.00	100%	
9.08	Inlet Protection Device, Open Throat	4	4	0	EA	\$ 210.00	\$ 840.00	\$ 840.00	\$ -	\$ 840.00	100%	5
9.09	Inlet Protection Device, Drop-In	3	3	0	EA	\$ 210.00	\$ 630.00	\$ 630.00	\$ -	\$ 630.00	100%	5
9.10	Inlet Protection Device, Maintenance	3	3	0	EA	\$ 60.00	\$ 180.00	\$ 180.00	\$ -	\$ 180.00	100%	5
9.11	Temporary Fence, Orange Safety Fence	1,959	1959	0	LF	\$ 8.00	\$ 15,672.00	\$ 15,672.00	\$ -	\$ 15,672.00	100%	
9.12	Remove Segmental Block Wall	1	1	0	LS	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ -	\$ 5,000.00	100%	
9.13	Concrete Steps, Type A	61	61	0	SF	\$ 400.00	\$ 24,400.00	\$ 24,400.00	\$ -	\$ 24,400.00	100%	
9.14	Remove Concrete Steps	23	23	0	SF	\$ 75.00	\$ 1,725.00	\$ 1,725.00	\$ -	\$ 1,725.00	100%	
9.15	Handrail, Aluminum or Steel	14	14									

## CHANGE ORDER NO. 5

OWNER: City of Webster City

PROJECT: Lincoln Drive Reconstruction  
S&A PROJECT #: 122.0346.01

To: Doyle Construction  
Contractor  
516 N. 6th Street  
Address  
Fort Dodge, IA 50501  
City, State, Zip

You are directed to make the following changes in this contract:

**1. Description of change to be made:**

Close out change order.

**2. Settlement for the cost of making the change shall be as follows:**

Item No.	Item Description	Quantity	Unit	Unit Price	Total Price
2.02	Topsoil, On-Site, 6 Inch Depth	-132	CY	\$ 25.00	\$ (3,300.00)
2.03	Topsoil, Off-site, 6 Inch Depth	164	CY	\$ 50.00	\$ 8,200.00
2.06	Subbase, Modified, 8 Inch Depth (City furnished)	-971	SY	\$ 11.00	\$ (10,681.00)
4.01	Sanitary Sewer Service Stub, PVC, 4 Inch Dia., R	-1	EA	\$ 5,000.00	\$ (5,000.00)
4.03	Storm Sewer, Trenched, Class III RCP, 15 Inch D	-5	LF	\$ 95.00	\$ (475.00)
4.04	Storm Sewer, Trenched, Class III RCP, 24 Inch D	-7	LF	\$ 120.00	\$ (840.00)
4.09	Subdrain Cleanout, Type A-2, 6 Inch Dia.	-1	EA	\$ 750.00	\$ (750.00)
4.18	Spot Repair by Pipe Replacement	10	LF	\$ 300.00	\$ 3,000.00
4.20	Storm Sewer, C900, 12-Inch Dia.	3	LF	\$ 300.00	\$ 900.00
5.01	Water Main, Trenched, PVC C900 DR18, 8 Inch I	-64.5	LF	\$ 75.00	\$ (4,837.50)
5.03	Fitting, By Weight	30	LB	\$ 20.00	\$ 600.00
5.05	Water Main Plug, Fill, and Abandonment, 8 Inch I	-112	LF	\$ 15.00	\$ (1,680.00)
5.06	Water Main Removal, 8 Inch Dia. or Less	112	LF	\$ 20.00	\$ 2,240.00
7.03	Pavement, HMA, ST, PG 58-28S	182.52	TON	\$ 115.00	\$ 20,989.80
7.05	Removal of Sidewalk	-1	SY	\$ 15.00	\$ (15.00)
7.06	Removal of Driveway	-71	SY	\$ 15.00	\$ (1,065.00)
7.08	Driveway, Paved, PCC, 6 Inch Thickness	25.2	SY	\$ 90.00	\$ 2,268.00
7.09	Temporary Granular Surfacing, 6 Inch Thickness	179.17	TON	\$ 50.00	\$ 8,958.50
7.10	Subbase Over-excavation (Core Out)	-170	CY	\$ 25.00	\$ (4,250.00)
9.01	Hydraulic Seeding, Type 1 Mix, Fertilizing, and BF	-0.3	AC	\$ 8,500.00	\$ (2,550.00)
9.04	Filter Sock, 9 Inch Dia.	176	LF	\$ 2.00	\$ 352.00
9.05	Filter Sock, Removal	176	LF	\$ 1.00	\$ 176.00
9.06	Temporary RECP, Type 1.D	-429.8	SY	\$ 10.00	\$ (4,298.00)
9.07	Turf Reinforcement Mat, Type 3	-1.58	SQ	\$ 150.00	\$ (237.00)
9.08	Inlet Protection Device, Open Throat	1	EA	\$ 210.00	\$ 210.00
9.09	Inlet Protection Device, Drop-In	1	EA	\$ 210.00	\$ 210.00
9.10	Inlet Protection Device, Maintenance	-2	EA	\$ 60.00	\$ (120.00)
9.11	Temporary Fence, Orange Safety Fence	-541	LF	\$ 8.00	\$ (4,328.00)
9.18	Temporary RECP, Type 1.D	-6.78	SQ	\$ 10.00	\$ (67.80)
9.19	Rip Rap	0.06	TON	\$ 250.00	\$ 15.00
				<b>TOTAL</b>	<b>\$ 3,625.00</b>

3.

**Doyle Construction**  
in the cost of the project of \$3625.00 divided as follows:

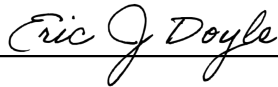
	<u>Contract Amount</u>	<u>Contract Working Days</u>
Approved funds and contract completion date as per (Engineer's Estimate, Contract or last approved C.O.)	\$1,403,861.00	82.5
Change due to this C.O. (+ or -)	\$3,625.00	0.0
Totals including this C.O.:	\$1,407,486.00	82.5

The change described herein is understood, and the terms of settlement are hereby agreed to:

**Doyle Construction**

CONTRACTOR

By

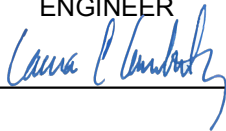


DATE: 4/26/2024

**Snyder & Associates, Inc.**

ENGINEER

By



DATE: 4/26/2024

**City of Webster City**

OWNER

By

DATE: \_\_\_\_\_





**MEMORANDUM**

**TO:** Mayor and City Council

**FROM:** Derrick Drube, ROW Inspector/ Construction Coordinator  
Brandon Bahrenfuss, Street Supervisor

**DATE:** May 6, 2024

**RE:** Adopt a Resolution Authorizing the City Manager to Execute Change Order No. 1 for the Fair Meadow Drive Reconstruction Project

---

**SUMMARY:** The City Council approved an agreement with Castor Construction to complete the Fair Meadow Drive Reconstruction Project. A change order is needed for the installation of the water main.

**PREVIOUS COUNCIL ACTION:** City Council previously approved plans, specifications and contract award for the Fair Meadow Drive Reconstruction Project. Council entered into an agreement with Castor Construction on November 20, 2023 to complete the Fair Meadow Drive Reconstruction Project.

**BACKGROUND/DISCUSSION:** There was a storm sewer in conflict with the elevation of the proposed water main. There were two options to correct this issue, **Option One** was to bring the water main up and over the storm sewer or **Option Two** was to lower the water main below the storm sewer

City staff and Snyder & Associates weighed the pros and cons of each option. With directional boring becoming extremely common in today's world, it was decided to take the water main below the storm sewer to keep the water main out of the common depths of utility boring. Change Order No. 1 is for the additional fittings needed to lower a section of the water main below the storm sewer. This will also add two days to the working contract for the project.

**FINANCIAL IMPLICATIONS:** Change Order #1 would add \$8,060.00 and two working days to the Fair Meadow Drive Reconstruction Project.

**RECOMMENDATIONS:** Staff recommends the City Council adopt a resolution authorizing the City Manager to sign and execute Change Order No. 1.

**RESOLUTION NO. 2024 -**

**RESOLUTION AUTHORIZING THE CITY MANAGER TO  
SIGN AND EXECUTE CHANGE ORDER NO. 1  
FOR THE FAIR MEADOW DRIVE RECONSTRUCTION PROJECT**

**WHEREAS**, on November 20, 2023, the City of Webster City did enter into a contract with Castor Construction, for completion of the Fair Meadow Drive Reconstruction Project in the amount of \$1,902,920.90; and

**WHEREAS**, Change Order No. 1 is needed for the Fair Meadow Drive Reconstruction Project for additional water main fittings necessary to lower the water main and avoid conflicts with existing storm sewer, primary fiber, and high pressure gas main; and

**WHEREAS**, contract Change Order No. 1 has been prepared resulting in an increase of \$8,060.00; and

**WHEREAS**, the City of Webster City will execute Contract Change Order No. 1:

Original Contract Price	\$	1,902,920.90
Change Order No.1	\$	8,060.00
Revised Contract Price	\$	1,910,980.90

**NOW THEREFORE BE IT RESOLVED**, by the City Council of the City of Webster City, Iowa

**Section 1.** Authorize the City Manager to sign and execute Change Order No. 1 in the amount of \$8,060.00 to the contract with Castor Construction for the Fair Meadow Drive Reconstruction Project, as described above and attached hereto.

Passed and adopted this 6th day of May, 2024.

\_\_\_\_\_  
John Hawkins, Mayor

ATTEST: \_\_\_\_\_  
Karyl K. Bonjour, City Clerk

**CHANGE ORDER NO. 1**

OWNER: City of Webster City

PROJECT: Fair Meadow Drive Reconstruction  
S&A PROJECT #: 122.0346.01A

To: Castor Construction  
Contractor  
1515 Avenue O  
Address  
Fort Dodge, IA 50501  
City, State, Zip

You are directed to make the following changes in this contract:

1. **Description of change to be made:**  
High pressure gas main, primary fiber, and exsiting storm sewer were all at varying depth and forced the water main to go under the existing storm sewer. This change order add additional fittings needed to lower the water main.  
- Add 2 working days to Contract

2. **Settlement for the cost of making the change shall be as follows:**

Item No.	Item Description	Quantity	Unit	Unit Price	Total Price
5.03	Fittings, By Weight	403	LB	\$ 20.00	\$ 8,060.00
TOTAL					\$ 8,060.00

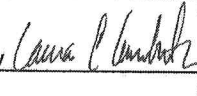
3. This change order will result in a net change in the contract completion time of 2 day(s) and a net change in the cost of the project of \$8060.00 divided as follows:

	Contract Amount	Contract Working Days
Approved funds and contract completion date as per (Engineer's Estimate, Contract or last approved C.O.)	\$1,902,920.90	90.0
Change due to this C.O. (+ or -)	\$8,060.00	2.0
Totals including this C.O.:	\$1,910,980.90	92.0

The change described herein is understood, and the terms of settlement are hereby agreed to:

Castor Construction  
CONTRACTOR  
By 

DATE: 4/29/2024

Snyder & Associates, Inc.  
ENGINEER  
By 

DATE: 4/29/2024

City of Webster City  
OWNER

By \_\_\_\_\_

DATE: \_\_\_\_\_



**MEMORANDUM**

**TO:** Mayor and City Council

**FROM:** Traffic Committee  
Derrick Drube, Traffic Committee Secretary

**DATE:** May 6, 2024

**RE:** First Reading of an Ordinance Amending the Code of Ordinances of the City of Webster City, Chapter 46, Article II, Division 2, Sec. 46-50 in regard to stop requirements at certain streets.

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**SUMMARY:** City staff received a request in regards to numerous close calls at the intersection of Cedar Street and Grove Street during the pickup and drop-off times of children at Sunset Elementary. The Traffic Committee discussed this request on March 25, 2024. The Traffic Committee is recommending stop signs to be installed for traffic traveling on Grove Street to stop at Cedar Street.

**PREVIOUS COUNCIL ACTION:** None.

**BACKGROUND/DISCUSSION:** Sunset Drive south to Ohio Street and Cedar Street are utilized the most during these times. The intersection of Cedar Street and Grove Street has limited visibility when traveling east on Cedar Street. With majority of traffic utilizing Cedar Street the Traffic Committee recommends stop signs be installed for the north and south bound traffic at this intersection.

**FINANCIAL IMPLICATIONS:** The cost of two stop signs would come out of the 2024-2025 fiscal year general fund.

**RECOMMENDATION:** Traffic committee recommends City Council approve the first reading of the Ordinance amending the Webster City Municipal Code of Ordinances, Chapter 46, Article II, Division 2, Sec. 46-50 in regard to stop requirements at certain streets.

**TRAFFIC COMMITTEE**

**Webster City, Iowa**

Minutes of Meeting of March 25, 2024 - 5:35 P.M. Municipal Building

Roll Call: Present: Brandon Bahrenfuss, Kyle Heffernan, Harlan Balsley  
Absent: Shiloh Mork

Present were: Traffic Committee Secretary Derrick Drube

Approval of minutes from the November 13, 2023 Traffic Committee Meeting

It was moved by Heffernan and seconded by Bahrenfuss to approve the minutes from November 13, 2023 Traffic Committee Meeting.

Roll Call: Aye: Bahrenfuss, Heffernan, Balsley      Nay: None  
MOTION CARRIED.

Request from Zach Williams to simplify the Parking Ordinances that include parking allowed between certain times. Traffic Committee request City Staff to research ways to keep it more universal to limit the expense with keeping spare signs in stock.

Accept the resignation from Brooke Henry from the Traffic Committee.

It was moved by Balsley and seconded by Heffernan to accept the resignation request from Brooke Henry from the Traffic Committee.

Roll Call: Aye: Bahrenfuss, Heffernan, Balsley      Nay: None  
MOTION CARRIED.

Discussion was held in regards to The Dance Connection request for 5-minute parking on the east side of Seneca Street at 902 Seneca Street.

It was moved by Heffernan and seconded by Balsley to table the request from The Dance Connection for 5-minute parking on the east side of Seneca Street at 902 Seneca Street for possible discussion if issues arise with parking/drop off at this location.

Roll Call: Aye: Bahrenfuss, Heffernan, Balsley      Nay: None  
MOTION CARRIED.

Discussion was held in regards to a request for stop signs to be installed for the north and south bound traffic at the intersection of Grove Street and Cedar Street.

It was moved by Bahrenfuss and seconded by Heffernan to request the City Council to amend Chapter 46, Article II, Division 2 Sec. 46-50 to include the installation of stop signs for the north and south bound traffic at the intersection of Grove Street and Cedar Street

Roll Call: Aye: Bahrenfuss, Heffernan, Balsley      Nay: None  
MOTION CARRIED

It was moved by Bahrenfuss and seconded by Balsley to adjourn the meeting.

Roll Call: Aye: Bahrenfuss, Heffernan, Balsley      Nay: None  
MOTION CARRIED

The meeting was adjourned at 5:51 p.m.

**ORDINANCE NO. 2024 –**

**AN ORDINANCE AMENDING THE CODE OF ORDINANCES OF THE CITY OF WEBSTER CITY, IOWA, 2019,  
BY AMENDING CHAPTER 46, ARTICLE II, DIVISION 2, SECTION 46-50  
PERTAINING TO STOP REQUIREMENT AT CERTAIN STREETS.**

**BE IT ENACTED** by the City Council of the City of Webster City, Iowa, as follows, to-wit:

**SECTION 1. SECTION MODIFIED.** Chapter 46, Article II, Division 2, Section 46-50 of the Code of Ordinances of the City of Webster City, Iowa, 2019, is amended by adding the following

**Sec. 46-50**

**Stop requirement at certain streets.**

Every driver of a vehicle shall stop in accordance with the following:

(183) Grove Street. Vehicles traveling on Grove Street shall stop at Cedar Street

**SECTION 2. REPEALER.** All ordinances or parts of ordinances in conflict with the provisions of this ordinance are hereby repealed.

**SECTION 3. SEVERABILITY CLAUSE.** If any section, provision or part of this ordinance shall be adjudged invalid or unconstitutional, such adjudication shall not affect the validity of the ordinance as a whole or any section, provision, or part thereof not adjudged invalid or unconstitutional.

**SECTION 4. WHEN EFFECTIVE.** This ordinance shall be in effect from and after its final passage, approval and publication as provided by law.

Passed and adopted this \_\_\_\_ day of \_\_\_\_\_, 2024.

\_\_\_\_\_  
John Hawkins, Mayor

ATTEST:

\_\_\_\_\_  
Karyl K. Bonjour, City Clerk

**RESOLUTION NO. 2024 -**

**AMENDING TERMS OF EMPLOYMENT FOR CITY CLERK**

WHEREAS, Chapter 2, Division 4, Section 2-164 of the Code of Ordinances of the City of Webster City, Iowa 2019 provides that the City Council of the City of Webster City, Iowa shall by resolution establish the compensation of the City Clerk.

NOW THEREFORE BE IT RESOLVED by the City Council of the City of Webster City, Iowa as follows:

1. That all full-time appointees are subject to the provisions of the City Personnel Manual and Classification Pay Plan except for their designated salaries, except for overtime pay, except for provisions in the Iowa Code or City Code that may make exceptions and except for matters that may be included in Contract Agreements.
2. The City Clerk's annual salary effective with the payroll paid on January 19, 2024 will be \$62,192.00.

Passed and adopted this 6th day of May, 2024.

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John Hawkins, Mayor

ATTEST:

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Elizabeth Ann Smith, Deputy City Clerk

**RESOLUTION 2024-xxx**

**RESOLUTION APPROVING CONTRACT FOR  
ECONOMIC DEVELOPMENT SERVICES.**

**WHEREAS**, the City Council (“City”) has been in discussions with the Board of Supervisors of Hamilton County (“County”) regarding Economic Development in Webster City and Hamilton County, generally, and

**WHEREAS**, City and County have agreed that more focus and effort needs to be made in the City and County regarding Economic Development, that Economic Development is vital to the future of both City and County, and

**WHEREAS**, discussions between City and County have grown to include discussions with the Ames Chamber of Commerce d/b/a Ames Regional Economic Alliance (“Alliance”) regarding services that could be provided by the Alliance to City and County to help the City and County improve Economic Development efforts, and

**WHEREAS**, to that end, a Contract for Services (“Agreement”) has been presented by Alliance to City and County for review and consideration, the stated purpose of the Agreement, amongst many other terms and provisions, being as follows:

“The purpose of this Agreement is to procure economic development and other related services for the City and County from the Ames Regional Economic Alliance and to establish a countywide economic development organization.”

and

**WHEREAS**, the Council finds that the Alliance has the knowledge, experience, and expertise to assist the City and County on the Economic Development front, that the terms and provisions of the proposed “Contract for Economic Development Services”, a copy of same being appended hereto, are appropriate, and that the approval of the Contract would be in the best interests of the City, the County, the Region and, generally, the residents of Webster City, specifically finding as follows:

1. The City and County, upon approval of the Council and Board would be entering a Contract for Services with Alliance. (“Agreement”)
2. The Agreement includes specific terms and provisions related to the agreed upon investment of the City, the term of the Agreement, and Termination of the Agreement.
3. The Agreement includes terms related to the goals and the measurement of progress and/or success of the relationship.
4. The Agreement terms make clear that the ultimate goal is the creation of a self-sustaining “County-Wide Economic Development Organization”



**NOW THEREFORE, BE IT RESOLVED** by the City Council of the City of Webster City, Iowa:

**Section 1:** The Contract for Economic Development Services, a copy of same being attached hereto, is hereby approved.

**Section 2:** The Mayor and City Clerk are hereby authorized to execute the Contract on behalf of the City Council.

Section 3: City Administration and City staff, as appropriate, are hereby directed to work with the parties to the Agreement as appropriate, to foster a positive relationship between the Parties, and to work towards the goal, as detailed in the Agreement, to establish a self-sustaining "County-Wide Economic Development Organization" as soon as feasibly possible.

Passed and approved this \_\_\_\_ day of \_\_\_\_\_, 2024.

\_\_\_\_\_  
John Hawkins, Mayor

Attest:

\_\_\_\_\_  
Karyl K. Bonjour, City Clerk

## CONTRACT FOR ECONOMIC DEVELOPMENT SERVICES

THIS AGREEMENT, made and entered into on the \_\_\_\_\_ of April 2024, by and between the AMES CHAMBER OF COMMERCE, dba AMES REGIONAL ECONOMIC ALLIANCE (ALLIANCE) and the CITY OF WEBSTER CITY (CITY) and HAMILTON COUNTY (COUNTY).

### 1. PURPOSE

The purpose of this Agreement is to procure economic development and other related services for the City and County from the Ames Regional Economic Alliance and to establish a countywide economic development organization.

### 2. CITY AND COUNTY TO ESTABLISH EXECUTIVE COMMITTEE

- a) Within 30 days of signing this agreement an Executive Committee for the county wide economic development organization will be created.
- b) The Executive Committee of the county wide economic development organization will consist of two representatives appointed by the City, two representatives appointed by the County, and one member selected and appointed by the members appointed by the City & County.

### 3. COUNTYWIDE ECONOMIC DEVELOPMENT ORGANIZATION

- a) The Executive Committee will oversee implementation of the terms and scope of services of this agreement.
- b) The Alliance shall draft and present to the Executive Committee proposed organizational documents for the county wide economic development organization, including but not limited to organizational bylaws and articles of incorporation.  
-Target Date for Completion: On or before July 1, 2024.
- c) City and County Economic Development Staff will participate on an as needed basis as requested by the Executive Committee in a non-voting role.

### 4. SCOPE OF SERVICES

The Alliance shall provide the following economic development and other related services to the Executive Committee and, upon creation, the county wide economic development organization, during the term of this agreement:

#### A. ORGANIZATION SUPPORT

1. Serve as Executive Director of the county wide economic development organization.
2. Perform the day-to-day duties of the countywide economic development organization.
3. Meet with elected officials and the public on behalf of the county wide economic development organization.
4. Participate in a variety of community events, periodically attend meetings of the City Council of Webster City and the Hamilton County Board of Supervisors, and interact numerous economic development and community partners of the City and County.

5. Bring groups together to solve local issues, and any other aspects of deploying an aggressive economic development effort at the direction of the Executive Committee.
6. Lead monthly Executive Committee meetings, including agenda development, financial reporting, and minute distribution.
7. Develop an organizational scorecard and report monthly progress at Executive Committee meetings.
8. Recommend organizational funding structure including a 3-year target for private sector funding for the county-wide economic development board.  
-Target Date for completion: On or before September 1<sup>st</sup>, 2024.
9. Facilitate and develop a 3-year strategic plan for the county-wide economic development organization.  
-Target Date for completion: On or before November 1, 2024.  
-Alliance to oversee facilitation, development, and implementation at direction of Executive Committee.
10. Oversee the creation of a Board of Directors (“Board”), to include the Executive Committee as well as private and public sector investors.  
-Target Date for completion: First full board meeting on or before January 31, 2025.
11. Conduct Board meetings in odd numbered months of the year.
12. Conduct Executive Committee meetings each calendar month.
13. Transition contract for services to new organization.
  1. Target Date for completion: First Full Board meeting on or before July 1, 2025.

## **B. BUSINESS RETENTION & EXPANSION (BRE)**

1. Conduct formal visits to 15 Hamilton County employers each year.
2. Respond to immediate needs of Hamilton County employers.
3. Support Hamilton County business expansion projects, including coordinating support from the State of Iowa.
4. Invite targeted Hamilton County Businesses to the Alliance CEO Roundtable.
5. Assemble and present a BRE Annual Report for Hamilton County by January 31<sup>st</sup> of each year to both City and County.

## **C. MARKETING & PROJECT RESPONSE**

1. Inventory Webster City and Hamilton County available buildings and sites and oversee update to state database.
2. Initiate marketing efforts that will include, but are not limited to, call trips to major U.S. markets, routine interaction with site selection consultants around the country, regional membership in the Community Venture Network (CVN), and the national and international marketing endeavors of the Cultivation Corridor, and affiliate organization of Ames Regional Economic Alliance.
3. Proposal writing and host prospects.

**D. WORKFORCE HOUSING**

1. Serve as a resource for housing information and funding opportunities with IEDA, IFA, EDA, USDA, and local housing trust funds.
2. Review grant applications as needed.
3. Provide partner support as appropriate.

**E. COMMUNITY DEVELOPMENT**

1. Serve as a resource of community development information and funding opportunities with IEDA, IFA, EDA, and foundations.
2. Review grant applications as needed.
3. Provide partner support as appropriate

**F. ADDITIONAL SERVICES FOR YEAR TWO OF THE AGREEMENT**

1. Support the countywide economic development organization through the deployment of media releases, as needed, and other positive interactions with media outlets and the board and investors.
2. Promote economic development projects through social media channels.
3. Develop an organization website.
4. Board Management of larger board.
5. Manage Invoices of countywide economic development organization.
6. Oversee and plan for Annual Event.
7. Plan a Business Appreciation Event.

**G. ADDITIONAL SERVICES FOR YEAR THREE OF THE AGREEMENT**

1. Deploy robust workforce solutions program and resources fully in the City and County business community (including but not limited to: job fairs, job's website, internship programming, military hiring, and PK-12 programming)
2. Develop and distribute a quarterly investor newsletter/publication.

**H. OTHER**

1. Any other opportunities of the City and County that may not be clearly identified in the scope of services will be responded to accordingly.
2. The City will hold one board seat on the Ames Regional Economic Alliance Board of Directors to be held by the City Manager of Webster City
3. The County will hold one board seat on the Ames Regional Economic Alliance Board of Directors to be held by a Hamilton County Board of Supervisor member, to be appointed annually by the Board of Supervisors..

**I. ANNUAL COST OF SERVICE, METHOD OF PAYMENT, & DURATION OF SERVICES.**

1. In consideration of the scope of services, the following amounts will be paid to the Alliance by the City and County. The City and County agree to each pay one half (50%) of the annual cost of service for year one, year two, and year three of the agreement:

Year One: May 2024-April 2025: \$145,000

Year Two: May 2025-April 2026: \$160,000

Year Three: May 2026-April 2027: \$175,000

2. The Alliance will bill the City in quarterly installments for 50% of the annual cost of service.
3. The Alliance will bill the County in quarterly installments for 50% of the annual cost of service.
4. The term of the agreement is for three years commencing May 1, 2024 and ending on April 30, 2027.

5. Upon annual review this contract may be adjusted by either party.

**Signed by:**

**Ames Regional Economic Alliance**

Daniel A. Culhane, President & CEO

**City of Webster City**

Mayor or City Representative

**Hamilton County**

Board Chairperson







## COUNCIL MEMORANDUM

TO: Mayor and City Council

FROM: John Harrenstein, Interim City Manager

DATE: May 3, 2024

RE: Wilson Brewer Park Agreement, City of Webster City & Hamilton County

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**SUMMARY:** The purpose of this action is consideration of approving a joint agreement with Hamilton County related to future operations and maintenance of the Wilson Brewer Park.

**BACKGROUND/DISCUSSION:** In October of 2023, a potential donation was offered to Webster City and Hamilton County relating to the maintenance and operation of Wilson Brewer Park. The potential donation included several requirements for the gift to be made. Discussion between the City Council and Hamilton County Supervisors proceeded related to the requirements of the proposed gift. Transition in the City Manager's office paused the discussion. It was resumed between February and May of this year. A working group made up of Council Member McKinney, Mayor Hawkins, Supervisor Kloberdanz, and Chairman of the Wilson Brewer Park Committee – Gary Groves, met to determine how to proceed with the proposed agreement in response to the potential donation.

### OVERVIEW OF AGREEMENT:

*Parties to the Agreement:* City of Webster City & Hamilton County

*Purpose of Agreement:* Response to potential donation, continued operations of park, resolution of deferred maintenance at park.

*Property Subject to Agreement:* Property known as Wilson Brewer Park and owned by the City of Webster City including all buildings and structures. Property owned by Hamilton County Adjacent to the City Property and the site of the current DHS building owned by Hamilton County.

*Term:* Perpetual.

*Termination:* Joint resolution of both Hamilton County and Webster City passed by 2/3 vote of entire membership. Alternatively, one party may terminate with 2/3 vote of either party's membership if the other party does not act on joint termination within 30 days.

*Effect of Termination:* The Foundation would have six months to "wind up" all activities and affairs and all obligations between the members would cease. If one party terminates and the other does not, the remaining party may continue to work with the Foundation. Any funds held by the Foundation will remain with the foundation. All real estate and improvements will remain with the City and County (see subject property from agreement).

*Wilson Brewer Foundation:* The Wilson Brewer Park Foundation has been established and recognized as a 501(c)3 organization. Its current members are the existing appointees to the Wilson Brewer Park Board. This agreement transitions oversight and management to the Wilson Brewer Park Foundation with two members appointed by the City Council, two members appointed by the Hamilton County Board of



Supervisors, and one member appointed by the appointees to the board. These appointments must be made within 30 days of approving this agreement. Initial appointees will hold a three-year term. All subsequent terms will be for two years. Existing members will be offered the opportunity to apply for appointment on the new board.

*Powers of Foundation:* The Foundation may adopt and enforce policies, rules, and regulations associated with the management and operation of the Wilson Brewer Park, oversee and hire personnel, act in accordance with the Code of Iowa, and enter into lease agreements with the City and County related to the use of the property.

*Open Meetings/Public Records/Publications/Reports:* The Foundation Board and operations of the Foundation will be treated as subject to all the provisions of the Iowa Code related to open meetings and public record laws. The Foundation Board will produce an annual financial report including all bills paid, sums received, and an undertaking of work to Webster City and Hamilton County.

*Lease Agreements:* The Wilson Brewer Park agreement anticipates the foundation coming to some type of lease agreement with both the City and Hamilton County for use of the facilities. The scope of terms of the potential leases are matters to be negotiated between the newly appointed boards and the City Council of Webster City and Hamilton County Supervisors.

#### **FINANCIAL IMPLICATIONS:**

The agreement requires both the City of Webster City and Hamilton County to make five annual contributions of \$50,000 to the Wilson Brewer Park Foundation in July of each year. The first of the five annual payments is scheduled to be made in 2024.

Approximately \$36,000 is budgeted in the General Fund for costs associated with Wilson Brewer Park in the already adopted 24/25 budget. The costs covered by the 32K included personnel (15K), contractual services (18.5K), and supplies (2.5K).

The agreement allows the city to deduct from the \$50,000 the cost of continued property and liability insurance. This is currently budgeted at 3,400. In addition, the utility accounts for the city owned property at the park will be transferred to the Foundation. The adopted allocates \$12,200 in estimated costs for utilities at the park.

The agreement requires the city to continue to mow and maintain property owned by the city. This work will be continued by the parks department.

Overall, the agreement will increase the amount of funds awarded to Wilson Brewer by approximately \$14,000 per year (less the cost of the insurance). These funds will either come from general fund reductions in other areas, hotel/motel tax as appropriated by the City Council, or other funds identified for this purpose by the City Council.

Total five year impact to the budget is \$250,000 contingent upon the Foundation receiving the 1 million dollar gift within 60 days of adoption of the agreement.

#### **MOTION/ACTION**

A motion to adopt should be contingent upon reviewing any changes potentially made by the Hamilton County Board of Supervisors during their deliberation. For instance, if any financial or other obligations of the County are changed, the City Council should be able to reconsider the agreement in light of any amendments.

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Prepared by: City of Webster City, P.O. Box 217, Webster City, Iowa 50595; 515-832-9151

**RESOLUTION NO. 2024- \_\_\_\_**

**AUTHORIZING AND APPROVING EXECUTION OF WILSON BREWER PARK AGREEMENT  
BETWEEN THE CITY OF WEBSTER CITY AND HAMILTON COUNTY.**

**WHEREAS**, the City Council of the City of Webster City, Iowa, and the Board of Supervisors of Hamilton County, Iowa, wish to enter into an agreement related to the future operation, oversight, maintenance, funding, and other relevant and appropriate matters associated with Wilson Brewer Park (“Agreement”).

**WHEREAS**, said Agreement provides for various terms related to the property subject to the Agreement, the Agreement term, oversight, members, and contributions of each member, along with a number of other terms, all clearly outlined in said Agreement.

**WHEREAS**, the City Council have reviewed said Wilson Brewer Park Agreement, including all of its terms, and all appear to be in proper order.

**NOW THEREFORE BE IT RESOLVED** by the City Council of the City of Webster City, Iowa, that the Mayor and City Clerk are hereby authorized and directed to execute said Wilson Brewer Park Agreement between the parties.

**BE IT FURTHER RESOLVED** said Wilson Brewer Park Agreement is approved upon execution by involved parties.

Passed and adopted this 6th day of May, 2024

**CITY OF WEBSTER CITY, IOWA**

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John Hawkins, Mayor

**ATTEST:**

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Karyl K. Bonjour, City Clerk

# **Wilson Brewer Park Agreement**

## **City of Webster City and Hamilton County**

COMES NOW, the City of Webster City, by its' City Council, ("City") and Hamilton County, by its' Board of Supervisors, ("County") and hereby voluntarily agree to the following terms and provisions related to the future operation, oversight, maintenance, funding, and other relevant and appropriate matters associated with Wilson Brewer Park ("Park").

### **Article I**

#### **PARTIES TO AGREEMENT**

The undersigned City and County ("Members") are political subdivisions of the State of Iowa and are the only parties to this agreement, hereafter referred to as "Members".

### **Article II**

#### **PURPOSE GOAL AND OBJECTIVE**

Members entered into this Agreement in response to the conditions of a financial gift to the Park, a shared desire to address deferred maintenance of structures at the Park, and in an attempt to create a system for continued operation and maintenance of the Park for the benefit of the public .

### **Article III**

#### **PROPERTY SUBJECT TO AGREEMENT**

The property subject to this agreement, the Park, owned by the City and County ("Members") is described as follows:

#### **City Property:**

Property locally known as Wilson Brewer Park, including all buildings and structures located on said property. (See legal description Attached as "Exhibit A") (Parcel 351-001)

#### **County Property:**

Property owned by the County located adjacent to the City Property, generally described as a bare parcel of ground, approximately 200' x 135', and adjacent paved parking lot, locally known as 1900 Superior Street. (See legal description Attached as "Exhibit A") (Parcel 351-002)

**The above-described City and County property shall be referred to herein as "Subject Property"**

## Article IV

### AGREEMENT TERM, TERMINATION, and WIND UP

1. **Term.** This Agreement shall be effective upon approval by Members and execution of Agreement by authorized Member representatives.
2. **Duration.** This Agreement shall be of perpetual duration unless terminated as provided herein.
3. **Termination.** This Agreement may be terminated by joint Resolution of the City Council and Board of Supervisors, the joint resolution to be separately approved by a two-thirds (2/3) vote of the entire membership of each body within a period of thirty (30) days, in the same form and content. If approved by City and County, the termination date shall be deemed to be the date on which the last of the Members approved termination. (“Termination Date”) In the event one of the Parties hereto, whether City or County, votes to terminate this Agreement and the other does not vote to do so, in the same form and content, within the thirty (30) day window set forth above, the Party voting to terminate may, after the passage of thirty (30) days from its first vote to terminate, consider a motion or resolution to terminate, or to affirm the previously approved termination, and if said renewed motion/resolution receives 2/3 support of the entire membership of the body, this Agreement will stand terminated consistent with the “Wind Up” provisions of paragraph 4 below.
4. **Wind Up.** In the event the Agreement is terminated as provided in Section 3 above, the Foundation Board, described in Article V below, shall be directed to wind up those activities and affairs of the Foundation tied to its’ obligations under this Agreement. If the Termination Date falls before December 1 of any year, the Foundation Board shall wind up activities and affairs of the Foundation as defined and set forth within the separate agreement between the Members and the Foundation on or before the succeeding June 30<sup>th</sup>, and this Agreement shall stand terminated by and between the Members and the obligations of the Foundation Board to the Park, under the terms of this Agreement, shall cease. If the Termination Date falls after December 1 of any year, the Foundation Board shall wind up activities and affairs of the Foundation tied to its’ obligations under this Agreement no later than one calendar from the succeeding June 30<sup>th</sup>, and this Agreement shall stand terminated by and between the Members and the obligations of the Foundation Board to the

Park, under this Agreement, shall cease. During the wind up period, the Foundation Board, and/or either the City or the County, may enter into separate and distinct agreements continuing a relationship between the Foundation and the Wilson Brewer Park.

5. **Distribution of Assets.** Upon termination of this Agreement, the City and the County will continue to own all property, real and personal, owned by them at the approval and execution of this Agreement, and the Foundation will continue to own and possess all funds held by the Foundation in Foundation accounts.

## **Article V**

### **OVERSIGHT**

1. **Wilson Brewer Park Foundation (Or other 501(c)(3) Tax Exempt Organization)**

The Wilson Brewer Park shall be overseen and managed by the Wilson Brewer Park Foundation, (“Foundation”) or in the event Foundation is unable or unwilling to take on this role, or loses its’ 501(c)(3) status, by another qualifying organization to be agreed upon by the Members, subject to the following provisions related to the appointment of Foundation board members by the City and County.

- a. The Foundation, or other qualifying organization if applicable, shall agree to be governed by a five (5) member Board (“Board”) to be created and composed as follows:
  - i. The City shall appoint two members of the Board who reside within the City limits.
  - ii. The County shall appoint two members of the Board who reside within Hamilton County, but outside the City limits of Webster City.
  - iii. The City and County agree to jointly appoint a one member of the Board who resides within Hamilton County, whether within or without the City limits of Webster City.
- b. All five (5) Board members shall be entitled to one vote on matters before the Board.
  - i. **Appointments:** Appointments shall be made by City and County consistent herewith, within thirty (30) days of the approval of this Agreement.

1. Upon appointment of the Board members, one of the Board members appointed by the City and one appointed by the County shall be assigned two-year terms by City and County, while the remaining Board members shall be assigned three-year terms.
2. As terms expire, the Member(s) initially responsible for the appointment shall be responsible for filling the expiring term. All renewal terms shall be for a period of two (2) years.
3. If a term becomes vacant during the course of a term, the vacant position shall be filled by the Member(s) who initially appointed the person to the now vacant position, and the person so appointed shall serve the remaining balance of the vacated term.
4. Terms of all initial board members appointed above shall commence on the 1<sup>st</sup> day of the month following the appointment of all five board members.

ii. **Powers of the Foundation**<sup>1</sup>. Except and subject to any limits or restrictions imposed elsewhere in this Agreement, the Foundation Board shall have the following powers:

- a. The Foundation Board may adopt and enforce such policies, rules, regulations and actions consistent with law or this Agreement, for the management and operation of Wilson Brewer Park, including the County Property subject to this Agreement;
- b. To oversee and direct personnel hired by and under the control and oversight of the Foundation;
- c. To do and perform any acts authorized by the Code of Iowa, under, through or by means of its officers, agents and employees, or by contracts with any person or entity.

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<sup>1</sup> Or, if a 501(c)(3) other than the Wilson Brewer Park Foundation, then the reference to "Foundation" shall be applicable to said other entity.

- d. To enter into lease agreements with the City and County related to both the City Property, and buildings/structures located thereon, and County Property; and such other Property, real or personal, as deemed appropriate and approved by the Foundation.
2. **Open Meetings / Public Records.** The Foundation Board, and operations of the Foundation generally, shall be treated as and subject to all provisions, requirements, and obligations imposed by Chapters 21 and 22 of the Iowa Code, pertaining to open meeting and public records laws. The Foundation Board, and the Foundation generally, agrees to waive any and all arguments that they are not legally subject to Chapters 21 and 22, and acknowledge that they are voluntarily agreeing to be treated as a public entity subject to said Chapters of the Iowa Code, and further that their agreement to be so bound is a material term of any agreement between the Members and the Foundation, and the Foundation's failure to follow the requirements of Chapters 21 and 22 would be grounds for immediate termination of the Agreement between the Members, and the cessation of this relationship with the Foundation.
  3. **Publication of Minutes.** The Foundation Board shall annually, for its' fiscal year, produce a report to be provided to the Members, including a schedule of bills paid, sums received, and a summary of all undertakings by the Board in fulfillment of its' responsibility to oversee and manage Wilson Brewer Park.

## **Article VI**

### **MEMBERS**

1. **General Expectations of Members:** Members agree to the following:
  - a. To respond to reasonable requests to make local records regarding Wilson Brewer Park available to the Foundation Board or Committees of the Foundation Board;
  - b. To provide access to, control of, and use of the Subject Property and facilities located thereon to the Foundation Board;
    - i. To negotiate and to enter into lease agreements ("Lease" or "Leases") with the Foundation for the Subject Property, and improvements located thereon, locally known as Wilson Brewer Park The Members agree that the Leases will not include any payment of rent by Foundation to the Members, that the consideration will be the management and oversight of Wilson Brewer Park

and Subject Property generally, consistent herewith and with the terms of the Leases.

- c. To support the effective collaboration of other Member departments and staff with the Foundation Board and staff/volunteers of the Foundation, to meet the needs of the Foundation and the Members;

**2. Financial Investment of Members.** The Members agree to make the following financial contributions to the Foundation:

- a. Each Member shall budget and pay to the Foundation the sum of FIFTY-THOUSAND DOLLARS (\$50,000.00) per year during the first five (5) years following approval of this Agreement, to be used by the Foundation to meet its' obligations as described herein.
- b. The annual \$50,000.00 payments from the Members shall be made by each Member to the Foundation during the month of July, with the first payment to be payable in July, 2024.
  - i. No payments will be made by either Member to the Foundation unless and until the Contingency described within Article IX of this Agreement is satisfied.
- c. Either Member may independently increase or extend the timeframe of contributions to the Foundation.
- d. If a Member desires to reduce, or cease payments to the Foundation, this Agreement will require amendment and/or termination.
- e. Each Member's contribution of FIFTY THOUSAND DOLLARS (\$50,000.00) per year for five years is intended to be the maximum amount awarded to Wilson Brewer for each of the five years following adoption of the agreement.
- f. The purpose of the FIFTY THOUSAND DOLLAR (\$50,000) five year contribution from each Member is to provide support for the Foundation in its effort to become self-sustaining and to not require continued financial support from either Member.



**3. Member In-Kind, Indirect, or other Contributions.** Members agree to provide the following in-kind, or other, investment in the Park and/or to the Commission:

**a. City of Webster City**

- i. Will mow and provide snow removal for all portions of Subject Property under City ownership. (Parking Lot and Sidewalks on City owned property.)
- ii. Continue to provide Property Casualty and General Liability Insurance for the Park and all improvements located at the Park. (Not including coverage for Foundation operations or director / employee liability.) The amount of the Property Casualty and General Liability Insurance may either be deducted from the annual contributions to the Foundation or reimbursed from Foundation funds to the City. The City will invoice the Foundation for the cost of the Property Casualty and General Liability Insurance which will be billed to the Foundation annually.

**b. Hamilton County**

- i. Will mow and provide snow removal for all portions of Subject Property under County ownership.
- ii. Will take steps to provide vehicular and pedestrian access to the Park from Superior Street.

**4. Audit.** Any and all financial accounts or investments of the Foundation shall be made available for review by Members at all times and shall be subject to review and audit by Members during any audit performed of said Member. The Foundation may be subject to an independent audit at any time upon the unanimous vote of the Members.

**5. Budget.** The Foundation Budget shall be presented to the City Council and Board of Supervisors between January 1 and February 1 of each year for review and comment.

## **Article VII**

### **SCOPE & AMENDMENTS**

1. **Amendments.** This Agreement may only be amended by mutual consent of the Governing Boards of the Members.
2. **Entire Agreement.** This Agreement represents the entire Agreement of the Members on this matter, no prior oral or written agreements related to Wilson Brewer Park between the Members are of any force and effect from the approval hereof forward.

3. **Invalidity.** If any one or more provisions of this Agreement are declared unconstitutional or contrary to law, the validity of the remainder hereof shall not be affected.
4. **No Waiver.** The waiver by any party of a breach or violation of any provisions of this Agreement shall not operate as or be construed to be a waiver of any subsequent breach.

#### **Article VIII**

#### **REAL PROPERTY OWNERSHIP**

1. **Real Estate.** The City and County shall each continue to own those portions of Subject Property owned by each Member at entry into this Agreement.
2. **Improvements.** The City shall continue to own all of the improvements located on City Property, Parcel 351-001, including all buildings located on and/or known as Wilson Brewer Park, and the County shall continue to own all improvements located on County Property, Parcel 351-002, including all buildings, parking lots, and related improvements.

#### **Article IX**

#### **RIGHT OF FIRST REFUSAL**

1. The County and City have agreed to the terms of a “Right of First Refusal/Right to Purchase” agreement in favor of the City, associated with the County property known as Parcel 351-002, that has been attached hereto and marked Exhibit B for reference. The Right of First Refusal/Right to Purchase agreement is, by this reference, incorporated as if same had been forth fully verbatim herein.

#### **ARTICLE X**

#### **CONTINGENCY**

1. The Agreement has been created in response to a proposed donation by a private donor to the Wilson Brewer Park Foundation.
2. If, within sixty (60) days following the adoption of this Agreement and the appointment of the Wilson Brewer Foundation Board, the Foundation does not secure a minimum of \$1,000,000 in donations, made directly to the Foundation or to other foundation on behalf of the Wilson Brewer Park Foundation, with proof of same being provided to the Members, this Agreement shall be null and void without further action of either Member.

**IN WITNESS WHEREOF, THE CITY OF WEBSTER CITY AND THE COUNTY OF HAMILTON, HEREBY AGREE TO THE ABOVE AND FOREGOING TERMS, THE CITY HAVING APPROVED ENTRY INTO THIS AGREEMENT BY RESOLUTION \_\_\_\_\_ DATED \_\_\_\_\_ AND THE COUNTY HAVING APPROVED HEREOF BY RESOLUTION \_\_\_\_\_ DATED \_\_\_\_\_.**

**SIGNATURE PAGE TO FOLLOW**

Signed and dated this \_\_\_\_ day of \_\_\_\_\_, 2024.

Hamilton County

City of Webster City

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Exhibit A**  
**(Property Legal Descriptions)**

**To be inserted**

**Exhibit B**

**To**

**Wilson Brewer Park Agreement**

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**RIGHT OF FIRST REFUSAL/RIGHT TO PURCHASE**

**WHEREAS**, The City of Webster City (“City”) and Hamilton County (“County”), being referred to herein, at times, as the “Parties”, entered into the Wilson Brewer Park Agreement, to which this Agreement is attached, on \_\_\_\_\_, \_\_\_\_\_, 2024, (“Agreement”), wherein the Parties agreed that County and City would enter into a Right of First Refusal in favor of City, regarding County property, this document being intended to memorialize said agreement, and to set out the terms and provisions, consistent with the intentions of the Parties, concerning real estate located in Hamilton County, Iowa, owned by Hamilton County, locally known as 1900 Superior Street and also identified by Parcel #351-002 (“Real Estate”).

**THEREFORE**, City and County, in furtherance of the terms of the Agreement, do hereby agree to the following terms and provisions regarding the Right of First Refusal to be granted to the City.

**A. Right of First Refusal/Right to Purchase**

1. **Term:** City shall be granted a Right of First Refusal, as described herein, during the term of the Agreement between City and County and any extension thereof.
2. **Rights:** If, at any time during the Right of First Refusal Term, County receives a bona fide offer for the Real Estate from a third party, without contingencies, or with contingencies that have been waived, and County accepts said offer, said acceptance shall be contingent upon City’s Right of First Refusal.
3. **Exercise of Rights:** City shall have the right to purchase the Real Estate described subject to this agreement, under the same terms and conditions as proposed to County by any third party purchaser, and shall exercise said right by giving written notice of intent to exercise said Right of First Refusal, with no contingencies, to County, in any format that communicates the intent and commitment to exercise of said right by City. Said notice of intent to exercise to be given to County within thirty (30) days of receiving formal notice of an accepted offer from County.

- B. Recordation / Notice** This Right of First Refusal/Right to Purchase shall not be recorded, but County acknowledges its’ obligations to honor the terms of same at all times and to inform any prospective buyer of County property of the County’s obligations hereunder.

Signed and dated this \_\_\_\_ day of \_\_\_\_\_, 2024.

Hamilton County

City of Webster City

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Proposal

October 17, 2023

To: Hamilton County Board of Supervisors  
City Council of Webster City, Iowa

From: Dean A. Bowden  
2003 Beach Street  
Webster City, Iowa

Re: Donation to Wilson Brewer Park

To Whomever It May Concern:

I agree to donate one million dollars (\$1,000,000) into an endowment fund for the benefit of Wilson Brewer Park upon the following conditions:

1. That the City and the County shall enter into an Agreement with each other regarding the future operation and maintenance of Wilson Brewer Park wherein the City as owner of the Wilson Brewer Park and the County as owner of the east 230 feet lying south and adjacent to Wilson Brewer Park agree to a long term lease (preferably 99 years) with either the existing Wilson Brewer Park/Depot Foundation or another established tax exempt organization that qualifies under the provisions of the United States Internal Revenue Code.
2. That the tax-exempt organization shall oversee the operation and maintenance of the above leased property by a Board of Trustees who shall be elected by a countywide vote consisting of five (5) members with no more than three (3) members elected from the city or the county.

3. That the City and the County shall each fund the Foundation the sum of \$50,000 per year for a period of five (5) years to be used by the said Board of Trustees to operate the Park.
4. That the Board of Trustees shall seek the services of a curator to oversee the operation of the Park and also shall be paid by the Board of Trustee best designated as either a City or County employee.
5. That the County owned land shall be incorporated within the operation of Wilson Brewer Park.
6. That the County provide access to the Park from Superior Street for purpose of ingress and egress together with parking.
7. That shall the County decide to dispose the remaining parcel of land owned by the County lying South and adjacent to the Wilson Brewer Park, that the Board of Trustees shall be given the first option to either lease or purchase said land including the existing building, all of which is currently under lease to the State of Iowa.
8. That the City and County come to an agreement regarding utilities, insurance, mowing, snow removal, etc.

If the above considerations are met to my satisfaction, I will deposit the one million dollars (\$1,000,000) into an endowment fund to the benefit of the Wilson Brewer Park to be overseen by the Board of Trustees.

Dated this 17<sup>th</sup> day of October, 2023

By: Dean A. Bowden  
Dean A. Bowden



1620 Superior Street Unit 1  
Webster City, IA 50595  
(515) 832-2885  
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## GROVES & CHIZEK LAW OFFICE

May 1, 2024

TO: Members of the City Council

RE: Summary of Professional Services for April 2024.

Dear Council Members:

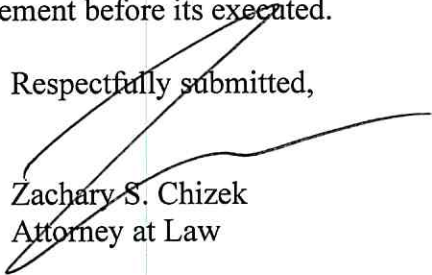
Outlined below is a summary of professional services I have provided for the City of Webster City as City Attorney for the month of April 2024. The main issues I addressed this past month were (a) preparation of Use and Hold Harmless Agreement with the Chamber and City regarding use of courtesy vehicle between the City Airport and the Chamber; (b) preparation of a farm lease for City-owned farm ground for the 2024 crop year; and (c) preparation of revised purchase agreement for the four (4) lots in Brewer Creek Estates 6<sup>th</sup> Addition, previously going to be sold to Green Stream Homes, LLC.

In regards to the Use and Hold Harmless Agreement between the City and the Chamber, I've been prepared the necessary agreement between the parties so that the City will own the vehicle and use it at the airport, but also provide it to the Chamber for their use for various events and activities.

In regards to the farm lease, I've worked with the City Manager to prepare the necessary lease agreement for the farm ground that the City owns and was not being farmed this year due to the potential wastewater treatment plant. This agreement is only a one-year agreement and will need to be approved by the City Council.

Finally, in regards to the purchase agreement with Green Stream Homes, LLC, I have revised the agreement as now the party wishing to purchase the lots is Samann, L.C. As this is a new party involved, the City Council needs to hold a public hearing and go through the ordinary steps to approve this purchase agreement before its executed.

Respectfully submitted,

  
Zachary S. Chizek  
Attorney at Law