



**IMU BOARD OF TRUSTEES OF THE ELECTRIC,
WATER AND COMMUNICATIONS UTILITIES**

September 14, 2026

5:30 PM

IMU Boardroom

Agenda

- 1. Call to Order**
- 2. Roll Call**
- 3. Public Comment**
- 4. Consent Agenda**
 - A. Approve revision of Resolution 2026-056 Authorizing the Purchase and Sale of Fleet Vehicles for the Communications Department
 - B. Approval of Claims
 - C. Approval of Minutes of the prior meetings
 - D. Payment Application No. 2; North 6th Street Place Water Main Improvements
 - E. Payment Application No. 3; Standby Generator
 - F. Payment Application No. 1; East Iowa Circuit Switcher Project- Installation
 - G. Consideration of the approval of an agreement with IMPACT to administer the Iowa Low-Income Home Energy Assistance Program (LIHEAP).
 - H. Consider approval of utility accounts to be written off and to use any customary collection method, including submission to the state offset program, and to charge any applicable collection fees.
 - I. July Financial Report
- 5. Electric Utility Action Items**
 - A. Public hearing regarding the plans, specifications, form of contract and estimate of cost for Plant Substation Switchgear Replacement Project - Installation
 - B. Resolution approving the plans, specifications, form of contract and estimate of cost for Plant Substation Switchgear Replacement Project - Installation
 - C. Resolution awarding a contract for the Plant Substation Replacement Project- Installation
- 6. Electric Utility Informational Items**
- 7. Water Utility Informational Items**
- 8. Communications Utility Informational Items**

9. **Combined Electric, Water and Communications Informational Items**
10. **Other Business**
11. **Adjourn**

MEMORANDUM

To: IMU Board of Trustees of the Electric, Water and Communications Utilities

From:

Date: September 14, 2026

Subject: Approve revision of Resolution 2026-056 Authorizing the Purchase and Sale of Fleet Vehicles for the Communications Department

Recommendation: Staff request is to rescind the previous bid recommendation in favor of the bid from DeYarman.

Attachments:

1. Revised Final Resolution Authorizing the Purchase and Sale of Fleet Vehicles for the Communications Department
2. Redline Resolution Authorizing the Purchase and Sale of Fleet Vehicles for the Communications Department

Indianola Municipal Utilities
Resolution 2026-056

**RESOLUTION AUTHORIZING THE PURCHASE AND SALE OF FLEET VEHICLES FOR THE
COMMUNICATIONS DEPARTMENT**

WHEREAS, the Communications department needs to replace a 2012 Ford Escape fleet vehicle; and

WHEREAS, \$35,000 was allocated in the FY 2027 budget for the purchase of the new fleet vehicle; and

WHEREAS, the Communications Department received 5 under budget bids for the replacement fleet vehicle; and

WHEREAS, the Board of Trustees believes it to be in the best interest of Indianola Municipal Utilities to accept the bid from DeYarman for a 2026 Ford Bronco, at a price of \$28,501.00; and

WHEREAS, the Communications Director is authorized to execute the sale of the Existing 2012 Ford Escape following delivery of the replacement fleet vehicle.

NOW, THEREFORE BE IT RESOLVED, by the Indianola Board of Trustees that 2026 Ford Bronco shall be purchased from DeYarman in the amount of \$28,501.00 and the Communications Director is authorized and directed to execute the purchase and subsequent sale of the 2012 Ford Escape fleet vehicle on behalf of Indianola Municipal Utilities the documents required therein.

Approved this 14th day of September 2026.

Dom Selgrade, IMU Chairperson

ATTEST:

Monica Thompson, BOT Secretary

Resolution 2026-~~056~~

**RESOLUTION AUTHORIZING THE PURCHASE AND SALE OF FLEET VEHICLES FOR THE
COMMUNICATIONS DEPARTMENT**

WHEREAS, the Communications department needs to replace a 2012 Ford Escape fleet vehicle; and

WHEREAS, \$35,000 was allocated in the FY 2027 budget for the purchase of the new fleet vehicle; and

WHEREAS, the Communications Department received 5 under budget bids for the replacement fleet vehicle; and

WHEREAS, the Board of Trustees believes it to be in the best interest of Indianola Municipal Utilities to accept the bid from ~~Stivers-DeYarman~~ for a 2026 Ford Bronco, at a price of ~~\$28,157.00~~\$28,501.00; and

WHEREAS, the Communications Director is authorized to execute the sale of the Existing 2012 Ford Escape following delivery of the replacement fleet vehicle.

NOW, THEREFORE BE IT RESOLVED, by the Indianola Board of Trustees that 2026 Ford Bronco shall be purchased from ~~Stivers-DeYarman~~ in the amount of ~~\$28,157.00~~\$28,501.00 and the Communications Director is authorized and directed to execute the purchase and subsequent sale of the 2012 Ford Escape fleet vehicle on behalf of Indianola Municipal Utilities the documents required therein.

Approved this 14th ~~10th~~ day of September ~~August~~ 2026.

Dom Selgrade, IMU Chairperson

ATTEST:

Monica Thompson, BOT Secretary

MEMORANDUM

To: IMU Board of Trustees of the Electric, Water and Communications Utilities

From:

Date: September 14, 2026

Subject: Approval of Claims

Recommendation:

Attachments:

1. 082726 Off Cycle AP Check Preview
2. 091526 AP Check Preview

AP Check Preview

Date Range: All Dates

Indianola Municipal Utilities

Thursday, August 27, 2026
10:39:31 AM

Vendor	Due Date	Notes	Terms	Bill Total	Discount	Interest	Amount Due	Pavment	Invoice Number	Bill Number	Payment Type
Account To Be Paid From 0000-10120-999											
Iconectiv - VEND-1201 - EFT File											
8/30/2026	2026 LNP Annual Porting Fee	Net 30	479.32	0.00	15.00	479.32	479.32	L-10689599	BL-19503	EFT File	
						479.32	479.32				
Total Payment Count: 1						Totals:	\$479.32	\$479.32			
Total Check Count: 0						Check Totals:	\$0.00	\$0.00			
Total EFT File Count: 1						EFT File Totals:	\$479.32	\$479.32			
Total Online Payments Count: 0						Online Payments Totals:	\$0.00	\$0.00			
Total Bank Draft Count: 0						Bank Draft Totals:	\$0.00	\$0.00			
Total No Check Count: 0						No Check Totals:	\$0.00	\$0.00			

AP Check Preview

Indianola Municipal Utilities

Thursday, September 10, 2026
9:12:18 AM

Vendor	Due Date	Notes	Terms	Bill Total	Discount	Interest	Amount Due	Pavment	Invoice Number	Bill Number	Payment Type
Account To Be Paid From 0000-10120-999											
Aaron Gebhart - VEND-1486 - EFT File											
10/1/2026	0926 Mobile Device Allowance	Net 30	75.00	0.00	15.00	75.00	75.00	Sep 26		BL-19541	EFT File
						75.00	75.00				
ACCO UNLIMITED CORP. - VEND-2810 - EFT File											
8/18/2026	ACCO Liquid Chlorinating Solution	Open Terms	2,619.60	0.00	0.00	2,619.60	2,619.60	0266312-IN		BL-19548	EFT File
9/1/2026	ACCO Liquid Chlorinating Solution	Open Terms	2,143.80	0.00	0.00	2,143.80	2,143.80	0266613-IN		BL-19549	EFT File
						4,763.40	4,763.40				
Alyssa & Matthew Mitchell - VEND-1141 - BL-19519											
9/2/2026	Credit Refund	Net 30	84.10	0.00	0.00	84.10	84.10	00016237-8		BL-19519	Check
						84.10	84.10				
American Fence Co Of Iowa Inc - VEND-1483 - EFT File											
9/25/2026	Repair for Damaged Fence	Net 30	3,906.00	0.00	15.00	3,906.00	3,906.00	DES010448		BL-19550	EFT File
						3,906.00	3,906.00				
Amy Beal - VEND-1141 - BL-19522											
9/2/2026	Credit Refund	Net 30	30.49	0.00	0.00	30.49	30.49	00065397-4		BL-19522	Check
						30.49	30.49				
Aureon Communications LLC - VEND-1511 - Check											
8/31/2026	0726 Customer Transport Fee	Net 30	622.48	0.00	15.00	622.48	622.48	21098982		BL-19551	Check
10/1/2026	0826 Customer Transport Fee	Net 30	622.48	0.00	15.00	622.48	622.48	21155987		BL-19552	Check
						1,244.96	1,244.96				
Big Ten Network - VEND-1096 - EFT File											
9/30/2026	0826 BTN - Core Exp Basic	Net 30	1,958.35	0.00	15.00	1,958.35	1,958.35	536971		BL-19553	EFT File
						1,958.35	1,958.35				
Border States Industries Inc - VEND-1070 - EFT File											
9/27/2026	PVC Sweeps	Net 30	105.10	0.00	15.00	105.10	105.10	933057808		BL-19554	EFT File
9/27/2026	Elbow Seal Kits	Net 30	1,075.89	0.00	15.00	1,075.89	1,075.89	933057829		BL-19555	EFT File
9/27/2026	600 Amp Connector Plug	Net 30	776.37	0.00	15.00	776.37	776.37	933057817		BL-19556	EFT File
						1,957.36	1,957.36				
BRAND, JUSTIN - VEND-100310 - EFT File											

AP Check Preview

Indianola Municipal Utilities

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Vendor Due Date	Notes	Terms	Bill Total	Discount	Interest	Amount Due	Pavment	Invoice Number	Bill Number	Payment Type
9/2/2026	0926 Mobile Device Allowance	Open Terms	75.00	0.00	0.00	75.00	75.00	Sep 26	BL-19547	EFT File
						75.00	75.00			
Breana Duffy - VEND-1141 - BL-19520										
9/2/2026	Credit Refund	Net 30	63.51	0.00	0.00	63.51	63.51	00039024-9	BL-19520	Check
						63.51	63.51			
Busy Bee Construction LLC - VEND-1535 - EFT File										
10/2/2026	W 17th Main Break	Net 30	46,524.55	0.00	15.00	46,524.55	46,524.55	231	BL-19557	EFT File
10/8/2026	N 6th St PI Water Main Addition	Net 30	114,675.76	0.00	15.00	114,675.76	114,675.76	Sep 26	BL-19558	EFT File
						161,200.31	161,200.31			
Calix Inc - VEND-1028 - EFT File										
9/27/2026	Extended Warranty for Inv #417914	Net 30	215.60	0.00	15.00	215.60	215.60	4055632	BL-19697	EFT File
10/2/2026	0926 Calix Operations Cloud	Net 30	3,584.50	0.00	15.00	3,584.50	3,584.50	7083416	BL-19559	EFT File
10/2/2026	0926 Calix Service Cloud	Net 30	3,377.73	0.00	15.00	3,377.73	3,377.73	7084048	BL-19560	EFT File
10/2/2026	0926 SmartHome Upgrade	Net 30	3,873.88	0.00	15.00	3,873.88	3,873.88	7083417	BL-19561	EFT File
						11,051.71	11,051.71			
Casual Rags - VEND-1006 - EFT File										
10/1/2026	Uniform Shirts	Net 30	499.69	0.00	15.00	499.69	499.69	241580	BL-19562	EFT File
						499.69	499.69			
Cedar Falls Utilities - VEND-1045 - EFT File										
10/1/2026	0826 Labor & Rack Space 28E Agreement (IP	Net 30	5,970.28	0.00	15.00	5,970.28	5,970.28	94838	BL-19563	EFT File
						5,970.28	5,970.28			
Cintas Corporation - VEND-1007 - EFT File										
9/23/2026	First Aid Supplies - Fiber	Net 30	139.88	0.00	15.00	139.88	139.88	5356135004	BL-19565	EFT File
						139.88	139.88			
Consortia Consulting - VEND-1009 - EFT File										
9/20/2026	0726 Consulting	Net 30	1,200.00	0.00	15.00	1,200.00	1,200.00	30004	BL-19566	EFT File
						1,200.00	1,200.00			
Core Telecom Systems, Inc - VEND-1498 - EFT File										
9/16/2026	XGSPON ONT - 3 items	Net 30	1,527.45	0.00	15.00	1,527.45	1,527.45	132604-INV	BL-19568	EFT File
						1,527.45	1,527.45			

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DAKOTA SUPPLY GROUP - VEND-23465 - EFT File											
	8/18/2026	FIBER LOCATE PAINT	Open Terms	242.86	0.00	0.00	242.86	242.86	S105945602.001	BL-19572	EFT File
	8/19/2026	FIBER LOCATE PAINT	Open Terms	80.96	0.00	0.00	80.96	80.96	S105945602.002	BL-19571	EFT File
							323.82	323.82			
Denman & Company, LLP - VEND-1193 - Check											
	9/30/2026	FY26 Audit	Net 30	16,000.00	0.00	15.00	16,000.00	16,000.00	5921-D168560	BL-19569	Check
							16,000.00	16,000.00			
DES PLANQUES, CHRIS - VEND-101766 - EFT File											
	8/22/2026	MEAN Committee and Board Meeting Mileage	Open Terms	507.68	0.00	0.00	507.68	507.68	8.21.26	BL-19564	EFT File
	9/2/2026	0926 Mobile Device Allowance	Open Terms	75.00	0.00	0.00	75.00	75.00	Sep 26	BL-19545	EFT File
							582.68	582.68			
Deyarman - VEND-1275 - Check											
	9/27/2026	2026 Ford Bronco	Net 30	28,501.00	0.00	15.00	28,501.00	28,501.00	8.28.26	BL-19570	Check
							28,501.00	28,501.00			
Doug Pagel - VEND-1283 - EFT File											
	10/1/2026	0926 Mobile Device Allowance	Net 30	75.00	0.00	15.00	75.00	75.00	Sep 26	BL-19546	EFT File
							75.00	75.00			
Doug Shull - VEND-1105 - EFT File											
	10/1/2026	0926 Treasurer Contract	Net 30	83.34	0.00	15.00	83.34	83.34	Sep 26	BL-19573	EFT File
							83.34	83.34			
Drew Johnson - VEND-1141 - BL-19524											
	9/2/2026	Credit Refund	Net 30	24.86	0.00	0.00	24.86	24.86	00032110-0	BL-19524	Check
							24.86	24.86			
Dust Pros Janitorial - VEND-1011 - EFT File											
	9/14/2026	Cleaning Supplies - Fiber	Net 30	88.28	0.00	15.00	88.28	88.28	3683	BL-19574	EFT File
	9/14/2026	0826 Cleaning - Fiber	Net 30	856.00	0.00	15.00	856.00	856.00	3682	BL-19575	EFT File
							944.28	944.28			
Dylan Michelsen - VEND-1180 - EFT File											
	10/1/2026	0926 Mobile Device Allowance	Net 30	75.00	0.00	15.00	75.00	75.00	Sep 26	BL-19540	EFT File
							75.00	75.00			

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Echo Electric - VEND-1512 - EFT File											
	10/8/2026	PVC Sweeps	Net 30	117.36	0.00	15.00	117.36	117.36	S012331550.001	BL-19576	EFT File
							117.36	117.36			
Elisha Brown - VEND-1209 - EFT File											
	10/1/2026	0926 Mobile Device Allowance	Net 30	75.00	0.00	15.00	75.00	75.00	Sep 26	BL-19544	EFT File
							75.00	75.00			
FLETCHER-REINHARDT CO. - VEND-16530 - EFT File											
	8/20/2026	4/0 Terminator Kits	Open Terms	4,159.51	0.00	0.00	4,159.51	4,159.51	S1373272.001	BL-19578	EFT File
	8/28/2026	Cable Pre Kits	Open Terms	456.89	0.00	0.00	456.89	456.89	S1375348.001	BL-19577	EFT File
							4,616.40	4,616.40			
Gibson Berns - VEND-1141 - BL-19523											
	9/2/2026	Credit Refund	Net 30	28.88	0.00	0.00	28.88	28.88	00021366-5	BL-19523	Check
							28.88	28.88			
Gradient9 - VEND-1392 - EFT File											
	9/20/2026	0826 Monthly Newsletter/Website	Net 30	2,310.00	0.00	15.00	2,310.00	2,310.00	INV-5866	BL-19579	EFT File
							2,310.00	2,310.00			
HANIFEN CO INC - VEND-100772 - Check											
	8/14/2026	Unit 29 Tow to Altoona	Open Terms	556.50	0.00	0.00	556.50	556.50	260066	BL-19580	Check
							556.50	556.50			
Harold K Scholz Co - VEND-1541 - EFT File											
	10/2/2026	E Iowa Circuit Switcher Replace - App 1	Net 30	165,300.00	0.00	15.00	165,300.00	165,300.00	1780-1	BL-19696	EFT File
							165,300.00	165,300.00			
Hearst Television Inc - VEND-1131 - EFT File											
	8/30/2026	0726 KCCI	Net 30	8,075.90	0.00	15.00	8,075.90	8,075.90	643703	BL-19581	EFT File
	9/30/2026	0826 KCCI	Net 30	8,027.25	0.00	15.00	8,027.25	8,027.25	645751	BL-19582	EFT File
							16,103.15	16,103.15			
HOFFMAN COMMUNICATIONS - VEND-22212 - EFT File											
	8/10/2026	Install 1.5 Conduit for Fiber	Open Terms	12,100.00	0.00	0.00	12,100.00	12,100.00	12788	BL-19583	EFT File
							12,100.00	12,100.00			
ImOn Communications LLC - VEND-1072 - Check											

AP Check Preview

Indianola Municipal Utilities

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Vendor Due Date	Notes	Terms	Bill Total	Discount	Interest	Amount Due	Pavment	Invoice Number	Bill Number	Payment Type
9/30/2026	0826 Regulatory and Billing	Net 30	6,802.36	0.00	15.00	6,802.36	6,802.36	INV0034290	BL-19584	Check
						6,802.36	6,802.36			
IMU - VEND-8629 - Check										
9/2/2026	Utilities - EL	Open Terms	2,199.34	0.00	0.00	2,199.34	2,199.34	10585188	BL-19585	Check
9/2/2026	Utilities - Util Svcs	Open Terms	337.27	0.00	0.00	337.27	337.27	10585069	BL-19586	Check
9/2/2026	Utilities - WA	Open Terms	22,437.73	0.00	0.00	22,437.73	22,437.73	10588345	BL-19587	Check
9/2/2026	Utilities - Fiber	Open Terms	2,437.47	0.00	0.00	2,437.47	2,437.47	10590203	BL-19588	Check
						27,411.81	27,411.81			
IMWCA - VEND-1130 - Check										
10/1/2026	Premiums - Installment 3	Net 30	2,442.00	0.00	15.00	2,442.00	2,442.00	INV99402	BL-19589	Check
						2,442.00	2,442.00			
Independent Advocate - VEND-1136 - EFT File										
9/8/2026	Print & Digital Ad & Post Fair - Jul26	Net 30	1,100.00	0.00	15.00	1,100.00	1,100.00	8173	BL-19590	EFT File
9/22/2026	BOT Minutes/Publication Report - 8.10.26	Net 30	248.51	0.00	15.00	248.51	248.51	8247	BL-19592	EFT File
9/26/2026	Print & Digital Ad - Aug26	Net 30	500.00	0.00	15.00	500.00	500.00	8270	BL-19591	EFT File
						1,848.51	1,848.51			
Indianola Athletic Department - VEND-1258 - Check										
9/11/2026	Commerical, In-Game Element, Scrolling Ad	Net 30	3,000.00	0.00	15.00	3,000.00	3,000.00	2026-12	BL-19595	Check
						3,000.00	3,000.00			
Indianola Precast - VEND-1527 - Check										
9/24/2026	3-Phase Concrete Basement	Net 30	1,926.00	0.00	15.00	1,926.00	1,926.00	5507	BL-19593	Check
10/2/2026	Concrete 3-Phase Basement	Net 30	1,926.00	0.00	15.00	1,926.00	1,926.00	5508	BL-19594	Check
						3,852.00	3,852.00			
Innovative Systems - VEND-1048 - EFT File										
10/1/2026	0926 Remotes & STB 3/36 pmts	Net 30	5,908.46	0.00	15.00	5,908.46	5,908.46	INV-33885	BL-19596	EFT File
10/1/2026	Sep26 Elation Maint Fee	Net 30	12,788.62	0.00	15.00	12,788.62	12,788.62	INV-33833	BL-19597	EFT File
10/3/2026	0926 Utility Bills Printing & Postage	Net 30	7,452.04	0.00	15.00	7,452.04	7,452.04	INV-33952	BL-19598	EFT File
						26,149.12	26,149.12			
Internal Revenue Service - VEND-1307 - Online Payments										
9/27/2026	941 Income Tax Payable - 082826 Payroll	Net 30	36,740.41	0.00	15.00	36,740.41	36,740.41	082826 Payroll	BL-19599	Online Payments
						36,740.41	36,740.41			

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Iowa Department Of Human Services - VEND-1310 - Online Payments										
9/27/2026	Garnishment Payable - 082826 Payroll	Net 30	423.22	0.00	15.00	423.22	423.22	082826 Payroll	BL-19600	Online Payments
						423.22	423.22			
Iowa Department Of Revenue - VEND-1117 - Online Payments										
8/30/2026	July 2026 Use Tax	Net 30	65.69	0.00	15.00	65.69	65.69	July 2026 Use	BL-19602	Online Payments
8/31/2026	Sales Tax Billed 8.1.26	Net 30	58,701.61	0.00	15.00	58,701.61	58,701.61	8.1.26 Sales Tax	BL-19603	Online Payments
9/27/2026	IA Income Tax Payable - 082826 Payroll	Net 30	3,875.14	0.00	15.00	3,875.14	3,875.14	082826 Payroll	BL-19601	Online Payments
						62,642.44	62,642.44			
Iowa One Call - VEND-1015 - EFT File										
9/18/2026	0726 Locates - WA	Net 30	180.00	0.00	15.00	180.00	180.00	284870	BL-19604	EFT File
9/18/2026	0726 Locates - Fiber	Net 30	202.50	0.00	15.00	202.50	202.50	284869	BL-19605	EFT File
9/18/2026	0726 Locates - EL	Net 30	176.40	0.00	15.00	176.40	176.40	284313	BL-19606	EFT File
						558.90	558.90			
IPERS - VEND-1309 - Online Payments										
9/30/2026	IPERS Payable - Aug26	Net 30	46,462.09	0.00	15.00	46,462.09	46,462.09	Aug 26	BL-19607	Online Payments
						46,462.09	46,462.09			
Irby - VEND-1259 - EFT File										
9/28/2026	Red Locate Paint	Net 30	272.85	0.00	15.00	272.85	272.85	S014699748.001	BL-19608	EFT File
						272.85	272.85			
ISolved - VEND-1363 - Online Payments										
9/27/2026	FSA Payable - 082826 Payroll	Net 30	419.23	0.00	15.00	419.23	419.23	082826 Payroll	BL-19609	Online Payments
						419.23	419.23			
Jess' Lock & Key - VEND-1088 - EFT File										
9/30/2026	Fix Lock on Building	Net 30	107.00	0.00	15.00	107.00	107.00	30072038	BL-19610	EFT File
						107.00	107.00			
JMK LAWNCARE - VEND-102101 - Check										
8/1/2026	0626-0726 Mowing - Fiber	Open Terms	180.00	0.00	0.00	180.00	180.00	7.31.26	BL-19611	Check
						180.00	180.00			
Kisha Barnes - VEND-1141 - BL-19521										
9/2/2026	Credit Refund	Net 30	49.50	0.00	0.00	49.50	49.50	00048993-0	BL-19521	Check

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Indianola Municipal Utilities

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							49.50	49.50			
KNIA/KRLS - VEND-1090 - EFT File											
	9/29/2026	0826 :30 Spot Advertising	Net 30	976.50	0.00	15.00	976.50	976.50	26080557	BL-19612	EFT File
	9/29/2026	0826 Sports Stream Spot	Net 30	85.30	0.00	15.00	85.30	85.30	26080558	BL-19613	EFT File
							1,061.80	1,061.80			
Kurt Gocken - VEND-1023 - EFT File											
	10/1/2026	0926 Mobile Device Allowance	Net 30	75.00	0.00	15.00	75.00	75.00	Sep26	BL-19537	EFT File
							75.00	75.00			
Kurt Ripperger - VEND-1025 - EFT File											
	10/1/2026	0926 Mobile Device Allowance	Net 30	75.00	0.00	15.00	75.00	75.00	Sep 26	BL-19538	EFT File
							75.00	75.00			
Lamar Companies - VEND-1478 - EFT File											
	9/12/2026	Billboard Ad - IMU Summer/Fall 2026	Net 30	1,100.00	0.00	15.00	1,100.00	1,100.00	118510187	BL-19614	EFT File
	9/12/2026	Billboard Ad - Indianola's Best 5 Gig	Net 30	200.00	0.00	15.00	200.00	200.00	118510188	BL-19615	EFT File
							1,300.00	1,300.00			
LINDE INC - VEND-6415 - EFT File											
	8/22/2026	Carbon Dioxide	Open Terms	1,852.61	0.00	0.00	1,852.61	1,852.61	58540471	BL-19616	EFT File
							1,852.61	1,852.61			
Marquee Sports Network - VEND-1165 - EFT File											
	9/30/2026	0826 Expanded Basic	Net 30	3,324.85	0.00	15.00	3,324.85	3,324.85	Aug26	BL-19617	EFT File
							3,324.85	3,324.85			
METCALF, MIKE - VEND-34230 - EFT File											
	9/2/2026	0926 Mobile Device Allowance	Open Terms	75.00	0.00	0.00	75.00	75.00	Sep 26	BL-19543	EFT File
							75.00	75.00			
Michelle Sheraden - VEND-1501 - EFT File											
	10/1/2026	0926 Mobile Device Allowance	Net 30	75.00	0.00	15.00	75.00	75.00	Sep 26	BL-19542	EFT File
							75.00	75.00			
Mid American Energy Co - VEND-1018 - EFT File											
	9/17/2026	Gas - 111 S Buxton St	Net 30	45.38	0.00	15.00	45.38	45.38	584386938	BL-19618	EFT File
	9/17/2026	Gas - 210 W 2nd Ave	Net 30	15.33	0.00	15.00	15.33	15.33	584409341	BL-19619	EFT File

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9/17/2026	Gas - 110 S B St	Net 30	16.72	0.00	15.00	16.72	16.72	584386790	BL-19620	EFT File
9/17/2026	Gas - 1300 E Iowa Ave Bldg B	Net 30	15.33	0.00	15.00	15.33	15.33	584357022	BL-19621	EFT File
9/17/2026	Gas - 1300 E Iowa Ave Bldg A	Net 30	47.46	0.00	15.00	47.46	47.46	584368260	BL-19622	EFT File
9/17/2026	Gas - 909 E Hillcrest Ave, Generator	Net 30	15.33	0.00	15.00	15.33	15.33	584382454	BL-19623	EFT File
						155.55	155.55			
Mission Square - VEND-1303 - Online Payments										
9/27/2026	457 Payable - 082826 Payroll	Net 30	7,529.44	0.00	15.00	7,529.44	7,529.44	082826 Payroll	BL-19624	Online Payments
						7,529.44	7,529.44			
MUNICIPAL SUPPLY INC - VEND-35810 - Check										
8/19/2026	Materials	Open Terms	1,127.90	0.00	0.00	1,127.90	1,127.90	0984998-IN	BL-19627	Check
8/20/2026	40' of 6" C900, and (2) 4" Hymax	Open Terms	1,653.02	0.00	0.00	1,653.02	1,653.02	0985110-IN	BL-19626	Check
8/27/2026	Repair parts	Open Terms	1,214.50	0.00	0.00	1,214.50	1,214.50	0985768-IN	BL-19625	Check
						3,995.42	3,995.42			
Music Choice - VEND-1534 - EFT File										
9/30/2026	0826 Music Choice	Net 30	71.82	0.00	15.00	71.82	71.82	Aug 26	BL-19628	EFT File
						71.82	71.82			
NewCom Technologies, Inc - VEND-1091 - EFT File										
9/10/2026	NOFA RS No 18	Net 30	2,918.00	0.00	15.00	2,918.00	2,918.00	51955	BL-19631	EFT File
						2,918.00	2,918.00			
Nexstar Broadcasting, Inc - VEND-1092 - EFT File										
9/30/2026	0826 Nexstar - WHO	Net 30	11,715.00	0.00	15.00	11,715.00	11,715.00	630767	BL-19629	EFT File
9/30/2026	0826 NewsNation	Net 30	517.30	0.00	15.00	517.30	517.30	630935	BL-19630	EFT File
						12,232.30	12,232.30			
Norwalk Ready Mix Concrete, Inc. - VEND-1119 - Check										
9/17/2026	W 17th Main Project	Net 30	320.00	0.00	15.00	320.00	320.00	392881	BL-19632	Check
						320.00	320.00			
Perfection Pest Management - VEND-1538 - EFT File										
9/16/2026	Pest Control - Util Svcs	Net 30	42.80	0.00	15.00	42.80	42.80	89989	BL-19633	EFT File
9/16/2026	Pest Control - Fiber	Net 30	133.75	0.00	15.00	133.75	133.75	89988	BL-19635	EFT File
9/16/2026	Pest Control - EL	Net 30	133.75	0.00	15.00	133.75	133.75	89990	BL-19636	EFT File
10/3/2026	Pest Control - Util Svcs	Net 30	42.80	0.00	15.00	42.80	42.80	90371	BL-19634	EFT File

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Vendor	Due Date	Notes	Terms	Bill Total	Discount	Interest	Amount Due	Pavment	Invoice Number	Bill Number	Payment Type
							353.10	353.10			
Power & Tel - VEND-1037 - EFT File											
9/9/2026	MICRO BATTERY BACKUP - UPS	Net 30	3,542.35	0.00	15.00	3,542.35	3,542.35	8343325-00	BL-19638	EFT File	
9/19/2026	SINGLEMODE FIBER - BULK INDOOR/OUTC	Net 30	616.52	0.00	15.00	616.52	616.52	8342120-00	BL-19637	EFT File	
							4,158.87	4,158.87			
POWER LINE SUPPLY - VEND-103039 - EFT File											
8/12/2026	4/0 Terminators	Open Terms	539.40	0.00	0.00	539.40	539.40	56991409	BL-19639	EFT File	
							539.40	539.40			
Probewell Corp - VEND-1540 - EFT File											
9/23/2026	AMI Project - Electric Meter Testing Equipment	Net 30	30,400.01	0.00	15.00	30,400.01	30,400.01	117467	BL-19640	EFT File	
							30,400.01	30,400.01			
Register Of Copyrights - VEND-1156 - Online Payments											
9/30/2026	Copyright Royalty License Fees 2026/1	Net 30	1,059.46	0.00	15.00	1,059.46	1,059.46	2026/1	BL-19567	Online Payments	
							1,059.46	1,059.46			
RESCO - VEND-47234 - EFT File											
8/26/2026	200 Amp Elbows	Open Terms	973.44	0.00	0.00	973.44	973.44	3126809	BL-19643	EFT File	
8/26/2026	Insulated Caps and 200 Amp Elbows	Open Terms	2,320.03	0.00	0.00	2,320.03	2,320.03	3126799	BL-19644	EFT File	
8/27/2026	Padmount Transformer	Open Terms	5,287.94	0.00	0.00	5,287.94	5,287.94	3126999	BL-19642	EFT File	
9/1/2026	Transformers	Open Terms	22,013.11	0.00	0.00	22,013.11	22,013.11	3127488	BL-19641	EFT File	
							30,594.52	30,594.52			
Ricky W Cooper - VEND-1141 - BL-19518											
9/2/2026	Credit Refund	Net 30	196.79	0.00	0.00	196.79	196.79	00059915-9	BL-19518	Check	
							196.79	196.79			
Rilco Inc - VEND-1537 - EFT File											
9/13/2026	Turbine Oil	Net 30	4,657.00	0.00	15.00	4,657.00	4,657.00	618841	BL-19645	EFT File	
							4,657.00	4,657.00			
Segra / Unite Private Networks - VEND-1054 - EFT File											
10/1/2026	Dark Fiber	Net 30	3,931.70	0.00	15.00	3,931.70	3,931.70	SI-26-076670	BL-19647	EFT File	
							3,931.70	3,931.70			

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Vendor	Due Date	Notes	Terms	Bill Total	Discount	Interest	Amount Due	Pavment	Invoice Number	Bill Number	Payment Type
	9/30/2026	0826 Showtime Package	Net 30	199.08	0.00	15.00	199.08	199.08	105771	BL-19648	EFT File
							199.08	199.08			
Skye McBroom - VEND-1026 - EFT File											
	10/1/2026	0926 Mobile Device Allowance	Net 30	75.00	0.00	15.00	75.00	75.00	Sep 26	BL-19539	EFT File
							75.00	75.00			
STATE HYGIENIC LABORATORY - VEND-23245 - EFT File											
	9/1/2026	Testing	Open Terms	247.50	0.00	0.00	247.50	247.50	327712	BL-19650	EFT File
							247.50	247.50			
Sundown Equipment - VEND-1181 - Check											
	10/3/2026	Kubota Mini Excavator/Buckets	Net 30	85,750.00	0.00	15.00	85,750.00	85,750.00	26622	BL-19651	Check
							85,750.00	85,750.00			
Tantalus Systems Inc - VEND-1528 - EFT File											
	8/30/2026	AMI Equipment	Net 30	34,213.16	0.00	15.00	34,213.16	34,213.16	33343	BL-19654	EFT File
	9/18/2026	AMI Equipment	Net 30	2,670.55	0.00	15.00	2,670.55	2,670.55	33438	BL-19652	EFT File
	9/18/2026	AMI Equipment	Net 30	6,027.96	0.00	15.00	6,027.96	6,027.96	33405	BL-19653	EFT File
	9/30/2026	AMI Equipment	Net 30	840.20	0.00	15.00	840.20	840.20	33520	BL-19655	EFT File
	9/30/2026	Support License	Net 30	67,925.00	0.00	15.00	67,925.00	67,925.00	33528	BL-19656	EFT File
							111,676.87	111,676.87			
Teklink - VEND-1262 - EFT File											
	9/18/2026	Bore & Drop	Net 30	2,153.00	0.00	15.00	2,153.00	2,153.00	WE 8/1/26	BL-19659	EFT File
	9/19/2026	Bore & Drop	Net 30	2,494.00	0.00	15.00	2,494.00	2,494.00	WE 8/7/26	BL-19658	EFT File
	9/26/2026	Bore & Drop	Net 30	1,560.00	0.00	15.00	1,560.00	1,560.00	WE 8/22/26	BL-19660	EFT File
	9/30/2026	Bore & Drop	Net 30	3,148.00	0.00	15.00	3,148.00	3,148.00	WE 8/29/26	BL-19657	EFT File
							9,355.00	9,355.00			
Terry-Durin Co - VEND-1038 - EFT File											
	9/9/2026	Morris Clamps	Net 30	1,213.57	0.00	15.00	1,213.57	1,213.57	226866-00	BL-19663	EFT File
	9/11/2026	1/2" INNER DUCT	Net 30	4,815.00	0.00	15.00	4,815.00	4,815.00	226735-00	BL-19665	EFT File
	9/13/2026	Inner Duct	Net 30	14,091.90	0.00	15.00	14,091.90	14,091.90	226413-00	BL-19664	EFT File
	9/27/2026	PVC Sweeps	Net 30	481.98	0.00	15.00	481.98	481.98	228559-00	BL-19661	EFT File
	10/3/2026	Morris Clamps	Net 30	187.11	0.00	15.00	187.11	187.11	229178-00	BL-19662	EFT File
							20,789.56	20,789.56			
TRM DISPOSAL LLC - VEND-101016 - EFT File											

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Vendor	Due Date	Notes	Terms	Bill Total	Discount	Interest	Amount Due	Pavment	Invoice Number	Bill Number	Payment Type
	8/25/2026	0926 Trash/Recycle - Util Svcs	Open Terms	56.00	0.00	0.00	56.00	56.00	41566	BL-19666	EFT File
	8/25/2026	0926 Recycle - Fiber/111 S Buxton	Open Terms	83.00	0.00	0.00	83.00	83.00	41567	BL-19668	EFT File
							139.00	139.00			
TRUCK EQUIPMENT INC - VEND-53754 - EFT File											
	9/3/2026	Strobe Light Package & Back Up Alarm - Bron	Open Terms	1,677.98	0.00	0.00	1,677.98	1,677.98	91225	BL-19669	EFT File
							1,677.98	1,677.98			
TrueNorth Companies LC - VEND-1100 - EFT File											
	9/19/2026	Aug26 Safety Meeting	Net 30	138.47	0.00	15.00	138.47	138.47	185285	BL-19670	EFT File
							138.47	138.47			
ULINE - VEND-1251 - Check											
	9/27/2026	Supplies	Net 30	1,118.01	0.00	15.00	1,118.01	1,118.01	212630885	BL-19671	Check
							1,118.01	1,118.01			
Van Maanen Electric, Inc - VEND-1497 - Check											
	10/8/2026	Water Treatment Facility-Standby Generator p	Net 30	50,119.90	0.00	15.00	50,119.90	50,119.90	9.8.26	BL-19674	Check
							50,119.90	50,119.90			
VAN WERT INC - VEND-101069 - EFT File											
	8/26/2026	(1) 2" meter	Open Terms	1,517.17	0.00	0.00	1,517.17	1,517.17	83123	BL-19675	EFT File
	9/3/2026	Tantalus Meters 9S	Open Terms	1,284.00	0.00	0.00	1,284.00	1,284.00	83147	BL-19676	EFT File
	9/3/2026	Oval Gaskets	Open Terms	59.91	0.00	0.00	59.91	59.91	83141	BL-19677	EFT File
	9/3/2026	16S Tantalus Meters	Open Terms	1,284.00	0.00	0.00	1,284.00	1,284.00	83146	BL-19678	EFT File
							4,145.08	4,145.08			
VANDERPOOL CONSTRUCTION - VEND-57230 - Check											
	6/9/2026	North 1st Project Pea Gravel	Open Terms	870.00	0.00	0.00	870.00	870.00	15410	BL-19672	Check
							870.00	870.00			
VERMEER SALES & SERVICE - VEND-57608 - EFT File											
	8/15/2026	1st Street Project Directional Drill Materials	Open Terms	1,711.51	0.00	0.00	1,711.51	1,711.51	P1781805	BL-19679	EFT File
	8/26/2026	Directional Drill & Vac Machine Parts	Open Terms	315.35	0.00	0.00	315.35	315.35	P1796205	BL-19680	EFT File
	8/28/2026	1st Street Project Ripsaw Connectors	Open Terms	809.01	0.00	0.00	809.01	809.01	P1801105	BL-19681	EFT File
							2,835.87	2,835.87			
WALDINGER CORP. THE - VEND-6920 - EFT File											

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Vendor	Due Date	Notes	Terms	Bill Total	Discount	Interest	Amount Due	Pavment	Invoice Number	Bill Number	Payment Type
	9/1/2026	Turbine 8 Repair	Open Terms	3,021.75	0.00	0.00	3,021.75	3,021.75	7778289-1	BL-19682	EFT File
							3,021.75	3,021.75			
WARREN COUNTY RECORDER - VEND-59862 - Check											
	7/10/2026	File Easement Doc 2026-06230 - Bedford Proj	Open Terms	12.00	0.00	0.00	12.00	12.00	26-6735	BL-19684	Check
							12.00	12.00			
WARREN COUNTY TREASURER - VEND-59867 - Check											
	9/1/2026	Utility Replacement Tax - 2025	Open Terms	885.00	0.00	0.00	885.00	885.00	2026/2027	BL-19683	Check
							885.00	885.00			
Waste Management - VEND-1086 - Check											
	10/3/2026	0926 2yd Dumpster Service - WA	Net 30	199.70	0.00	15.00	199.70	199.70	0225103-0516-6	BL-19685	Check
							199.70	199.70			
WESCO - VEND-60220 - EFT File											
	8/14/2026	FR Traffic Vest	Open Terms	108.93	0.00	0.00	108.93	108.93	188148	BL-19691	EFT File
	8/15/2026	FR Jeans	Open Terms	88.40	0.00	0.00	88.40	88.40	190223	BL-19693	EFT File
	8/18/2026	Richards Elbows	Open Terms	16,191.08	0.00	0.00	16,191.08	16,191.08	192953	BL-19692	EFT File
	8/27/2026	200 Amp Elbows	Open Terms	603.80	0.00	0.00	603.80	603.80	209827	BL-19689	EFT File
	9/1/2026	Transformer	Open Terms	6,383.62	0.00	0.00	6,383.62	6,383.62	217387	BL-19690	EFT File
	9/2/2026	FR Shirts	Open Terms	3,377.99	0.00	0.00	3,377.99	3,377.99	222134	BL-19687	EFT File
	9/2/2026	FR Shirts	Open Terms	906.29	0.00	0.00	906.29	906.29	222135	BL-19688	EFT File
	9/4/2026	Heat Shrink	Open Terms	301.74	0.00	0.00	301.74	301.74	227233	BL-19686	EFT File
							27,961.85	27,961.85			
Wiegert Disposal Inc - VEND-1081 - EFT File											
	10/1/2026	0826 Trash - Fiber/111 S Buxton	Net 30	110.00	0.00	15.00	110.00	110.00	Aug26	BL-19694	EFT File
	10/1/2026	0826 Trash/Recycle - EL	Net 30	215.00	0.00	15.00	215.00	215.00	Aug26	BL-19695	EFT File
							325.00	325.00			

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Vendor	Due Date	Notes	Terms	Bill Total	Discount	Interest	Amount Due	Pavment	Invoice Number	Bill Number	Payment Type
Total Payment Count: 97			Totals:			\$1,095,421.46	\$1,095,421.46				
Total Check Count: 26			Check Totals:			\$233,738.79	\$233,738.79				
Total EFT File Count: 64			EFT File Totals:			\$706,406.38	\$706,406.38				
Total Online Payments Count: 7			Online Payments Totals:			\$155,276.29	\$155,276.29				
Total Bank Draft Count: 0			Bank Draft Totals:			\$0.00	\$0.00				
Total No Check Count: 0			No Check Totals:			\$0.00	\$0.00				

MEMORANDUM

To: IMU Board of Trustees of the Electric, Water and Communications Utilities
From:
Date: September 14, 2026
Subject: Approval of Minutes of the prior meetings

Recommendation:

Attachments: 1. 8-10-2026 Minutes

IMU BOARD OF TRUSTEES OF THE ELECTRIC, WATER AND COMMUNICATIONS UTILITIES

August 10, 2026, 5:30 PM IMU Boardroom Minutes

The IMU Board of Trustees met in regular session at 5:30 pm on August 10, 2026, in the IMU Conference Room. Board Chair Dom Selgrade called the meeting to order and on roll call the following board members were present: Dom Selgrade, Gwen Schroder, Lori Smith, Paul Vincent Craven and at 5:31, Adam Voigts.

Public Comment: None.

Smith moved to approve and Craven seconded the Consent Agenda as follows: Approval of Claims, Approval of Minutes of the prior meetings, **Resolution 2026-053** Payment Application No. 1 for North 6th Street Place Water Main Improvements, Authorization for Warren Water District to serve a customer within their territory located at 16295 Kennedy St, June 2026 Finance Report reviewed by Doug Shull. On roll call, the vote was AYES: Selgrade, Schroder, Smith, Voigts, Craven. NAYS: None. Whereas the motion carried unanimously.

Selgrade advanced the meeting to Agenda Item **12. IMU Board of Trustees Swearing In Ceremony for Gwen Schroder**, and Mayor Steve Richardson read; and Board Member Gwen Schroder repeated, the oath of office for the IMU Board of Trustees.

Electric Utility Action Items

Smith moved to approve **Resolution 2026-054** Approving Purchase of Electric Meter Testing Equipment and Craven seconded. In discussion Metcalf explained the benefits of having the equipment, and that staff have already made daily use of the demo unit. On roll call, the vote was AYES: Selgrade, Schroder, Smith, Voigts, Craven. NAYS: None. Whereas the motion carried unanimously.

Electric Utility Informational Items

Electric Director Mike Metcalf: Electric Director Mike Metcalf: Turbine 7 & 8 annual capacity took place a couple weeks ago and it went well. The East Iowa Substation Project is scheduled to be completed in September . AMI project materials are arriving with testing starting soon. The 1st Street project continues to move forward and crews are making progress. The City's EV chargers near the square are operational now. Board Member Smith asked about the August 9th weather related outage and Craven inquired about our requested generation day and standby days.

Water Utility Action Items

Smith moved to approve **Resolution 2026-055** authorizing purchase of a Mini Excavator for Water Department and Craven seconded. Brand reviewed the necessity and advantages of the equipment. On roll call, the vote was AYES: Selgrade, Schroder, Smith, Voigts, Craven. NAYS: None. Whereas the motion carried unanimously.

Water Utility Informational Items

Water Director Justin Brand: North 6th St project is as planned with testing this week and starting to transfer services next week, concurrent with the boring on N H St in prep for the tie in. Concrete contractors are on site pouring footings and then walls for the generator project. Department Staff are busy with concrete pourbacks, meter swaps and valve and meter replacements.

Communications Utility Action Items

Voigts motioned to approve **Resolution 2026-056** Authorizing the Purchase and Sale of Fleet Vehicles for the Communications Department and Craven seconded. Ripperger shared the process staff used to

select the recommended quote, and on roll call, the vote was AYES: Selgrade, Schroder, Smith, Voigts, Craven. NAYS: None. Whereas the motion carried unanimously.

Communications Utility Informational Items

Communications Director Kurt Ripperger first congratulated Fiber Team member Dylan Michelsen and his wife Jamie on the birth of their son. Otherwise staff have been busy with 237 (30%) of necessitated tv conversions and other department tasks.

Combined Electric, Water and Communications Informational Items

General Manager Chris DesPlanques: Welcome Gwen Schroder! AMI and Tantalus meetings continue, Public Works interviews went well, turbine insurance legal work continues, M.E.A.N. quarterly meetings are scheduled for August, Inventory Audits were successful, July 22 Strategic Planning meeting starting at 9am at Drake University.

No Other Business was discussed.

Voigts motioned and Craven seconded entry into closed session in accordance with Iowa Code Section 388.9(1) to discuss marketing and pricing strategies and proprietary information of the telecommunications division whose competitive position will be harmed by public disclosure that is not required of potential or actual competitors and no public purpose is served by such disclosure, and on roll call the vote was AYES: Selgrade, Schroder, Smith, Voigts, Craven. NAYS: None. Whereas the motion carried unanimously. Craven motioned to exit closed session, and Schroder seconded the vote was AYES: Selgrade, Schroder, Smith, Voigts, Craven. NAYS: None. Whereas the motion carried unanimously.

No Action after Closed Session

Voigts moved to **Adjourn** at 6:07 pm, and Schroder seconded. On Voice vote, Ayes: Selgrade, Smith, Schroder, Voigts, Craven; Nays: None, motion passed unanimously.

MEMORANDUM

To: IMU Board of Trustees of the Electric, Water and Communications Utilities
From:
Date: September 14, 2026
Subject: Payment Application No. 2; North 6th Street Place Water Main Improvements

Recommendation: **North 6th Street Place Water Main Improvements, Payment Application No. 2:**
Busy Bee Construction, LLC, in the amount of \$114,675.76

- Remaining Mobilization - 50% to 100%
- Traffic Control - 0% to 50%
- Water Main Directional Bored - 464 LF, includes water main added from Change Order No. 1.
- Water Service Connections, Curb Stop and Box, Water Service Pipe - approximately half.
- Connections to the Existing Water Distribution System.

Attachments:

1. Payment Application 2, North 6th Street Place Water Main Improvements Project
2. 285116_Partial Payment No. 2
3. Busy Bee Signed

Indianola Municipal Utilities
RESOLUTION NO 2026-

**RESOLUTION APPROVING PAY APP 2
FOR NORTH 6TH STREET PLACE WATER MAIN IMPROVEMENTS PROJECT**

WHEREAS, the Board of Trustees of the Indianola Municipal Utilities has deemed it necessary to move forward with the North 6th Street Place Water Main Improvements; and

WHEREAS, on February 23, 2025, the Board passed and approved “Resolution 2026-017 awarding and approving a contract to Busy Bee Construction, LLC for the North 6th Street Place Water Main Improvements”; and

WHEREAS, the contract was awarded to Busy Bee Construction, LLC in the amount of **\$337,747.02**

WHEREAS, on September 3, 2026, Busy Bee Construction, LLC submitted a recommendation for payment #2 for said contract in the amount of **\$114,675.76**.

NOW, THEREFORE, BE IT RESOLVED by the Indianola Municipal Board of Trustees that:

1. The payment to Busy Bee Construction, LLC in the amount of **\$114,675.76** hereby approved; and
2. The IMU staff is authorized and directed to execute the payment application on behalf of the IMU Board of Trustees.

Passed and approved this 14th day of September 2026.

Dom Selgrade, Chairperson

ATTEST:

Monica Thompson, Board Secretary

ESTIMATE OF CONSTRUCTION COMPLETED							
PARTIAL PAYMENT NO. 2							
PROJECT TITLE: North 6th Street Place Water Main Improvements							
Owner: Indianola Municipal Utilities						Date: September 3, 2026	
Contractor: Busy Bee Construction, LLC							
Original Contract Amount & Date: \$337,747.02; February 23, 2026						Pay Period: August 1, 2026 to August 31, 2025	
BID ITEMS							
ITEM NO.	DESCRIPTION	UNIT	ESTIMATED (ORIG. CONT.)	UNIT PRICE	EXTENDED PRICE	QUANTITY COMPLETED TO DATE	VALUE COMPLETED TO DATE
1.1	Mobilization	LS	XXXXX	\$ 10,000.00	\$ 10,000.00	100%	\$10,000.00
1.2	Traffic Control	LS	XXXXX	\$ 6,000.00	\$ 6,000.00	50%	\$3,000.00
1.3	Construction Staking	LS	XXXXX	\$ 4,000.00	\$ 4,000.00	100%	\$4,000.00
1.4	Water Main Directional Bored, PVC, 8"	LF	1,700	\$ 72.02	\$ 122,434.00	1,677	\$120,777.54
1.5	Gate Valve, 8"	EA	1	\$ 2,957.32	\$ 2,957.32	2	\$5,914.64
1.6	Hydrant Assembly	EA	3	\$ 10,256.44	\$ 30,769.32	3	\$30,769.32
1.7	Water Service Connections	EA	29	\$ 720.40	\$ 20,891.60	17	\$12,246.80
1.8	Curb Stop and Box	LF	29	\$ 910.81	\$ 26,413.49	16	\$14,572.96
1.9	Water Service Pipe	EA	850	\$ 22.00	\$ 18,700.00	503	\$11,066.00
1.10	TEE, 4"x4" & Valve, 8"	EA	1	\$ 6,856.29	\$ 6,856.29	1	\$6,856.29
1.11	Pavement, PCC, Remove & Replace, 8"	SY	75	\$ 175.00	\$ 13,125.00	0	\$0.00
1.12	Pavement, PCC, Remove & Replace, 4"	SF	225	\$ 160.00	\$ 36,000.00	0	\$0.00
1.13	Detectable Warning Panels	SF	80	\$ 75.00	\$ 6,000.00	0	\$0.00
1.14	Salvage Existing Fire Hydrant	EA	1	\$ 1,500.00	\$ 1,500.00	0	\$0.00
1.15	Reinstall Existing Fire Hydrant	EA	1	\$ 2,000.00	\$ 2,000.00	0	\$0.00
1.16	Abandon Existing 4" Water Main	EA	5	\$ 4,100.00	\$ 20,500.00	0	\$0.00
1.17	Sod	SQ	50	\$ 192.00	\$ 9,600.00	0	\$0.00
	Total Value Completed - Bid Items						\$219,203.55

SUMMARY			
		Original Contract	Total Completed
Bid Item Subtotal		\$337,747.02	\$219,203.55
APPROVED CHANGE ORDERS			
Change Order No.	Description/Notes	Total Approved	Total Completed
1	North H Street Water Main Addition	\$67,549.40	\$61,303.22
2		\$0.00	\$0.00
3		\$0.00	\$0.00
4		\$0.00	\$0.00
5		\$0.00	\$0.00
6		\$0.00	\$0.00
7		\$0.00	\$0.00
8		\$0.00	\$0.00
9		\$0.00	\$0.00
10		\$0.00	\$0.00
Total Change Orders		\$67,549.40	\$61,303.22
		Total Approved	Total Completed
Revised Contract Price		\$405,296.42	\$280,506.77
			Total Completed
Total Materials Stored			\$0.00
Total Completed Plus Materials Stored			\$280,506.77
Retainage (3%)			\$8,415.20
Total Earned Less Retainage			\$272,091.57
APPROVED PARTIAL PAYMENTS			
Partial Payment No.	Period	Total Approved	Date Approved
1	July 1, 2026 through July 31, 2026	\$157,415.81	August 10, 2026
2		\$0.00	
3		\$0.00	
4		\$0.00	
5		\$0.00	
6		\$0.00	
7		\$0.00	
8		\$0.00	
9		\$0.00	
10		\$0.00	
		Total Previously Approved	\$157,415.81
Amount Due This Request			\$114,675.76
Note: The amount <u>\$114,675.76</u> is recommended for approval for payment in accordance with the terms of the Contract.			
CONTRACT SUMMARY			
ORIGINAL CONTRACT AMOUNT		\$337,747.02	
TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS		\$405,296.42	
THIS PARTIAL PAYMENT		\$114,675.76	
TOTAL PARTIAL PAYMENTS INCL THIS PAYMENT		\$272,091.57	
BALANCE		\$133,204.85	
PERCENT COMPLETE		69.2%	
Recommended By:		Contractor:	
Veenstra & Kimm, Inc.		Busy Bee Construction, LLC	
Approved by:		Indianola Municipal Utilities	
Signature	Vincent Driscoll	Signature	Hyle Hamlin
Name	Vincent Driscoll	Name	Hyle Hamlin
Title	Project Engineer	Title	owner
Date	9/3/2026	Date	9-8-2026

SUMMARY			
		Original Contract	Total Completed
Bid Item Subtotal		\$337,747.02	\$219,203.55
APPROVED CHANGE ORDERS			
Change Order No.	Description/Notes	Total Approved	Total Completed
1	North H Street Water Main Addition	\$67,549.40	\$61,303.22
2		\$0.00	\$0.00
3		\$0.00	\$0.00
4		\$0.00	\$0.00
5		\$0.00	\$0.00
6		\$0.00	\$0.00
7		\$0.00	\$0.00
8		\$0.00	\$0.00
9		\$0.00	\$0.00
10		\$0.00	\$0.00
Total Change Orders		\$67,549.40	\$61,303.22
		Total Approved	Total Completed
Revised Contract Price		\$405,296.42	\$280,506.77
			Total Completed
Total Materials Stored			\$0.00
Total Completed Plus Materials Stored			\$280,506.77
Retainage (3%)			\$8,415.20
Total Earned Less Retainage			\$272,091.57
APPROVED PARTIAL PAYMENTS			
Partial Payment No.	Period	Total Approved	Date Approved
1	July 1, 2026 through July 31, 2026	\$157,415.81	August 10, 2026
2		\$0.00	
3		\$0.00	
4		\$0.00	
5		\$0.00	
6		\$0.00	
7		\$0.00	
8		\$0.00	
9		\$0.00	
10		\$0.00	
		Total Previously Approved	\$157,415.81
Amount Due This Request			\$114,675.76
Note: The amount <u>\$114,675.76</u> is recommended for approval for payment in accordance with the terms of the Contract.			
CONTRACT SUMMARY			
ORIGINAL CONTRACT AMOUNT		\$337,747.02	
TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS		\$405,296.42	
THIS PARTIAL PAYMENT		\$114,675.76	
TOTAL PARTIAL PAYMENTS INCL THIS PAYMENT		\$272,091.57	
BALANCE		\$133,204.85	
PERCENT COMPLETE		69.2%	
Recommended By: Veenstra & Kimm, Inc.		Contractor: Busy Bee Construction, LLC	
Approved by: Indianola Municipal Utilities			
Signature	Vincent Driscoll	Signature	Justin Brand
Name	Vincent Driscoll	Name	Justin Brand
Title	Project Engineer	Title	Superintendent
Date	9/3/2026	Date	9-8-26

MEMORANDUM

To: IMU Board of Trustees of the Electric, Water and Communications Utilities
From:
Date: September 14, 2026
Subject: Payment Application No. 3; Standby Generator

Recommendation: **Standby Generator, Payment Application No. 3:**
Van Maanen Electric, Inc., in the amount of \$50,119.90

- Sitework - 0% to 50%.
- Electrical Work - 0% to 25%.

Attachments:

1. Res 2026 Approving Payment Application 3 to Van Maanen Electric for Water Treatment Facility, Standby Generator Project
2. Van Maanen Signed
3. 285114_Partial Payment No. 3

Indianola Municipal Utilities
RESOLUTION NO 2026-

RESOLUTION APPROVING PAY APP 3 TO VAN MAANEN ELECTRIC INC FOR THE WATER TREATMENT FACILITY, STANDBY GENERATOR PROJECT

WHEREAS, the Board of Trustees of the Indianola Municipal Utilities has deemed it necessary to move forward with the Water Treatment Facility, Standby Generator Project; and

WHEREAS, on August 11, 2025, the Board passed and approved "Resolution 2025-062 awarding and approving a contract to Van Maanen Electric, Inc for the Water Treatment Facility Standby Generator Project"; and

WHEREAS, the contract was awarded to Van Maanen Electric, Inc in the amount of \$572,486.00

WHEREAS, on August 28th 2026, Van Maanen Electric, Inc submitted a recommendation for payment #3 for said contract in the amount of \$50,119.90.

NOW, THEREFORE, BE IT RESOLVED by the Indianola Municipal Board of Trustees that:

1. The payment to Van Maanen Electric, Inc. in the amount of \$50,119.90. hereby approved; and
2. The IMU staff is authorized and directed to execute the payment application on behalf of the IMU Board of Trustees.

Passed and approved this 14th day of September 2026.

Dom Selgrade, Chairperson

ATTEST:

Monica Thompson, Board Secretary

SUMMARY			
		Original Contract	Total Completed
Bid Item Subtotal		\$572,486.00	\$57,470.00
APPROVED CHANGE ORDERS			
Change Order No.	Description/Notes	Total Approved	Total Completed
1		\$0.00	\$0.00
2		\$0.00	\$0.00
3		\$0.00	\$0.00
4		\$0.00	\$0.00
5		\$0.00	\$0.00
6		\$0.00	\$0.00
7		\$0.00	\$0.00
8		\$0.00	\$0.00
9		\$0.00	\$0.00
10		\$0.00	\$0.00
Total Change Orders		\$0.00	\$0.00
		Total Approved	Total Completed
Revised Contract Price		\$572,486.00	\$57,470.00
			Total Completed
Total Materials Stored			\$64,188.00
Total Completed Plus Materials Stored			\$121,658.00
Retainage (3%)			\$3,649.74
Total Earned Less Retainage			\$118,008.26
APPROVED PARTIAL PAYMENTS			
Partial Payment No.	Period	Total Approved	
1	December 1, 2025 - December 18, 2025	\$52,874.70	
2	December 19, 2025 - February 28, 2026	\$15,013.66	
3		\$0.00	
4		\$0.00	
5		\$0.00	
6		\$0.00	
7		\$0.00	
8		\$0.00	
9		\$0.00	
10		\$0.00	
		Total Previously Approved	\$67,888.36
Amount Due This Request			\$50,119.90
Note: The amount \$50,119.90 is recommended for approval for payment in accordance with the terms of the Contract.			
CONTRACT SUMMARY			
ORIGINAL CONTRACT AMOUNT			\$0.00
TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS			\$572,486.00
THIS PARTIAL PAYMENT			\$50,119.90
TOTAL PARTIAL PAYMENTS INCL THIS PAYMENT			\$118,008.26
BALANCE			\$454,477.74
PERCENT COMPLETE			21.3%
Recommended By: Veenstra & Kimm, Inc.		Contractor: Van Maanen Electric, Inc.	
Approved by: Indianola Municipal Utilities			
Signature		Signature	
Name	Vincent Driscoll	Name	Nathan Van Maanen
Title	Project Engineer	Title	President
Date	9/8/2026	Date	8/28/2026
Signature		Signature	
Name	Justin Brand	Name	Justin Brand
Title	Superintendent	Title	Superintendent
Date	9.8.26	Date	9.8.26

ESTIMATE OF CONSTRUCTION COMPLETED PARTIAL PAYMENT NO. 3 PROJECT TITLE: Water Treatment Facility, Standby Generator							
Owner: Indianola Municipal Utilities						Date: August 28, 2026	
Contractor: Van Maanen Electric, Inc.							
Original Contract Amount & Date: \$572,486.00; August 11, 2025					Pay Period: March 1, 2026 to August 25, 2026		
BID ITEMS							
ITEM NO.	DESCRIPTION	UNIT	ESTIMATED (ORIG. CONT.)	UNIT PRICE	EXTENDED PRICE	QUANTITY COMPLETED TO DATE	VALUE COMPLETED TO DATE
1.1	Bonding	LS	XXXXX	\$ 5,800.00	\$ 5,800.00	100%	\$5,800.00
1.2	Sitework	LS	XXXXX	\$ 80,600.00	\$ 80,600.00	50%	\$40,300.00
1.3	Electrical Work	LS	XXXXX	\$ 45,060.00	\$ 45,060.00	25%	\$11,265.00
1.4	Hangers and Supports	LS	XXXXX	\$ 2,300.00	\$ 2,300.00	5%	\$105.00
1.5	Electrical Raceway Systems	LS	XXXXX	\$ 20,600.00	\$ 20,600.00	0%	\$0.00
1.6	Wires & Cables	LS	XXXXX	\$ 85,660.00	\$ 85,660.00	0%	\$0.00
1.7	Wiring Devices	LS	XXXXX	\$ 11,005.00	\$ 11,005.00	0%	\$0.00
1.8	Grounding	LS	XXXXX	\$ 1,481.00	\$ 1,481.00	0%	\$0.00
1.9	Standby Generator	LS	XXXXX	\$ 295,750.00	\$ 295,750.00	0%	\$0.00
1.10	Automatic Transfer Switch	LS	XXXXX	\$ 14,830.00	\$ 14,830.00	0%	\$0.00
1.11	Electrical Tests	LS	XXXXX	\$ 7,800.00	\$ 7,800.00	0%	\$0.00
1.12	Process Control and Instrumentation Systems	LS	XXXXX	\$ 1,600.00	\$ 1,600.00	0%	\$0.00
	Total Value Completed - Bid Items						\$57,470.00

SUMMARY			
		Original Contract	Total Completed
Bid Item Subtotal		\$572,486.00	\$57,470.00
APPROVED CHANGE ORDERS			
Change Order No.	Description/Notes	Total Approved	Total Completed
1		\$0.00	\$0.00
2		\$0.00	\$0.00
3		\$0.00	\$0.00
4		\$0.00	\$0.00
5		\$0.00	\$0.00
6		\$0.00	\$0.00
7		\$0.00	\$0.00
8		\$0.00	\$0.00
9		\$0.00	\$0.00
10		\$0.00	\$0.00
Total Change Orders		\$0.00	\$0.00
		Total Approved	Total Completed
Revised Contract Price		\$572,486.00	\$57,470.00
			Total Completed
Total Materials Stored			\$64,188.00
Total Completed Plus Materials Stored			\$121,658.00
Retainage (3%)			\$3,649.74
Total Earned Less Retainage			\$118,008.26
APPROVED PARTIAL PAYMENTS			
Partial Payment No.	Period	Total Approved	
1	December 1, 2025 - December 18, 2025	\$52,874.70	
2	December 19, 2025 - February 28, 2026	\$15,013.66	
3		\$0.00	
4		\$0.00	
5		\$0.00	
6		\$0.00	
7		\$0.00	
8		\$0.00	
9		\$0.00	
10		\$0.00	
Total Previously Approved			\$67,888.36
Amount Due This Request			\$50,119.90
Note: The amount \$50,119.90 is recommended for approval for payment in accordance with the terms of the Contract.			
CONTRACT SUMMARY			
ORIGINAL CONTRACT AMOUNT			\$0.00
TOTAL CONTRACT AMOUNT PLUS CHANGE ORDERS			\$572,486.00
THIS PARTIAL PAYMENT			\$50,119.90
TOTAL PARTIAL PAYMENTS INCL THIS PAYMENT			\$118,008.26
BALANCE			\$454,477.74
PERCENT COMPLETE			21.3%
Recommended By: Veenstra & Kimm, Inc.		Contractor: Van Maanen Electric, Inc.	Approved by: Indianola Municipal Utilities
Signature		Signature	
Name	Vincent Driscoll	Name	Nathan Van Maanen
Title	Project Engineer	Title	President
Date	9/8/2026	Date	8/28/2026

MEMORANDUM

To: IMU Board of Trustees of the Electric, Water and Communications Utilities
From:
Date: September 14, 2026
Subject: Payment Application No. 1; East Iowa Circuit Switcher Project- Installation

Recommendation: East Iowa Circuit Switcher Project; The amount recommended is the value of completed work minus 5% retainage.

Attachments:

1. Res 2026 Approving Payment Application 1 to Harold K. Scholz Company for the East Iowa Circuit Switcher Replacement Project - Installation
2. HK Scholz Payment Recommendation #1 Circuit Switcher

Indianola Municipal Utilities
RESOLUTION NO 2026-

**RESOLUTION APPROVING PAYMENT APPLICATION 1 TO HAROLD K. SCHOLZ COMPANY FOR THE EAST
IOWA CIRCUIT SWITCHER REPLACEMENT PROJECT - INSTALLATION**

WHEREAS, the Board of Trustees of the Indianola Municipal Utilities has deemed it necessary to move forward with the East Iowa Circuit Switcher Replacement Project – Installation for the Electric Department; and

WHEREAS, on February 23, 2026, the Board passed and approved “Resolution 2026-015 awarding a contract for East Iowa Circuit Switcher Replacement Project - Installation”; and

WHEREAS, the contract was awarded to Harold K. Scholz Company in the amount of \$181,200.00

WHEREAS, on February 23, 2026, Harold K. Scholz Company submitted a recommendation for payment #5 for said contract in the amount of **\$165,300.00**

NOW, THEREFORE, BE IT RESOLVED by the Indianola Municipal Board of Trustees that:

1. The payment to Harold K. Scholz Company in the amount of \$165,300.00 hereby approved;
and
2. The IMU staff is authorized and directed to execute the payment application on behalf of the IMU Board of Trustees.

Passed and approved this 14th day of September 2026.

Dom Selgrade, Chairperson

ATTEST:

Monica Thompson, Board Secretary

RECOMMENDATION FOR PAYMENT

Owner: Indianola Municipal Utilities
Contractor: Harold K. Scholz Company
Project: East Iowa Circuit Switcher Replacement Project - Installation
P&E Project No. 1091

Date of Application 9/2/2026
Application No. 1
Invoice No. 1780-1

Contract Amount	\$181,200.00
Change Order Adjustments	\$ -
Current Value of Contract	\$ 181,200.00

Estimated Percentage of Completion	96.0%
Estimated Value of Completed Work	\$ 174,000.00

Less 5% Retainage	\$ 8,700.00
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Total Amount Due Contractor	\$ 165,300.00
Less Previously Approved Applications	\$ -

Amount Due with this Application	\$ 165,300.00
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(Payable to Harold K. Scholz Company)

Payment Remaining on Contract	\$ 15,900.00
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The status of the work as reported by Harold K Scholz Company is shown on the attached sheets. I recommend the above amounts for payment, based on the status of the work, and the terms of the Contract.



Jared Kline, P.E.
P & E Engineering Co.

Inv No. 1780-1
To 9.2.26

MEMORANDUM

To: IMU Board of Trustees of the Electric, Water and Communications Utilities

From:

Date: September 14, 2026

Subject: Consideration of the approval of an agreement with IMPACT to administer the Iowa Low-Income Home Energy Assistance Program (LIHEAP).

Recommendation: Under the attached agreement, IMPACT serves as IMU's vendor for the Low-Income Home Energy Assistance Program (LIHEAP) for the coming year. This has been a long-standing arrangement that is beneficial in that IMPACT determines eligibility for federal assistance for IMU's electric customers without the Utility Services Department's staff being tied up with eligibility and federal requirements. IMPACT serves residents in five counties and attains economies of scale throughout the process.

Attachments: 1. FY27 Vendor Agreement - Indianola Municipal Utilities

ELECTRIC/NATURAL GAS VENDOR AGREEMENT FY27 LOW-INCOME HOME ENERGY ASSISTANCE PROGRAM

The following agreement is made between the local community action agency (Local Agency) administering the Iowa Low-Income Home Energy Assistance Program (LIHEAP) and:

<u>Indianola Municipal Utilities</u>		<u>IMPACT Community Action Partnership</u>	
Vendor (payment is issued in this name)		Local Agency	
210 W 2nd Avenue		3226 University Avenue	
Address		Address	
Indianola, IA 50125		Des Moines, IA 50311	
City, State, Zip		City, State, Zip	
Elisha Brown	UtilityServices@indianola.com	Paula Arkema	parkema@impactcap.org
Contact Person	Email	Contact Person	Email
515-961-9444		(515) 777-7639	(515) 777-7639
Phone	Fax	Phone	Fax
87-2657743			
Vendor Tax ID#			

Collectively hereinafter referred to as the "Parties". All provisions of this agreement are subject to the availability of federal funds, issued by the U.S. Department of Health & Human Services (HHS). All Vendors shall abide by the following provisions for the current Iowa Low-Income Home Energy Assistance Program (LIHEAP).

NOW THEREFORE, in consideration of the mutual covenants and agreements herein contained, the Local Agency and the Vendor agree as follows:

1.00 Agreement Duration

This agreement is effective when signed by the Vendor and shall terminate on September 30, 2027. The termination of this agreement shall not discharge any obligation owed by either Party to the other or to a certified household if such obligation was incurred during the effective period of the agreement.

2.00 Vendor Notification of Certified Households

The Local Agency will notify the Vendor on a weekly basis of households that have been certified in the state LIHEAP data management system for either the LIHEAP or Weatherization Assistance Program. Notifications may be made by mail, email, phone, or an online portal.

3.00 Household Payments from LIHEAP

The LIHEAP program provides two separate types of benefit awards to certified customers; LIHEAP Regular Assistance (winter heating assistance) and Emergency Crisis Intervention Program (ECIP) crisis funds, which address emergency reconnections and service continuity. Certified households on whose behalf payments are made are third-party beneficiaries under this agreement. Therefore, all payments accepted by the Vendor made by the Local Agency on behalf of a certified household must be applied as a credit to that household's current energy account. All LIHEAP Regular Assistance and ECIP crisis credit balances must remain on the account until the benefit is exhausted.

Any payment not accepted by the Vendor must be returned to the Local Agency within 5 business days of its receipt. Any duplicate payment for a household or an account must be reported to the Local Agency within 5 business days.

The Vendor will charge the certified household in its normal billing process the difference, if any, between the actual cost of the home energy and the amount of the payment made by the Local Agency.

3.10 Households with Disconnect Notices (or imminent threat of disconnection)

The Vendor will accept either LIHEAP Regular Assistance-only payments (without ECIP crisis funds), ECIP crisis funds (without LIHEAP Regular Assistance), or a combination of LIHEAP Regular Assistance and ECIP crisis payments, for households with a disconnect notice or have the imminent threat of disconnection and will ensure the households' energy account remains connected to avoid a reconnection fee.

For purposes of this section, payments include notification by the Local Agency to the Vendor on behalf of the LIHEAP-certified household.

3.20 Disconnected Households

LIHEAP Regular Assistance-only payments (without ECIP crisis funds), ECIP crisis funds (without LIHEAP Regular Assistance), or a combination of LIHEAP Regular Assistance and ECIP crisis payments, that cover the balance owed by a disconnected household, will establish prompt reconnection of the energy account by the Vendor.

For purposes of this section, payments include notification by the Local Agency to the Vendor on behalf of the LIHEAP-certified household.

3.30 Supported Expenses

The following are expenses which the LIHEAP program supports:

- Utility deposits for new service (ECIP crisis funds only)
- Reconnection fees (ECIP crisis funds only)
- Utility past/back bills (LIHEAP Regular Assistance and/or ECIP crisis funds)

3.40 Unsupported Expenses

The following expenses are unsupported by the LIHEAP program:

- Expenses for diversion fees, equipment tampering.
- Expense for non-energy related services or fees.

4.00 Vendor Receipt of Payment

Within 30 calendar days of the Vendor's receipt of payment, the Vendor will provide to the Local Agency a receipt for the amount of payment received, using the State of Iowa Vendor Receipt provided to the Vendor by the Local Agency or via email acknowledgement.

Payments received by Vendors for households participating in a budget billing or level-payment plan shall be applied to such level payment account in the full amount of the level payment bill, with any remaining assistance being applied toward future level payment bills until exhausted. A level payment amount shall not be adjusted nor shall a recipient be requested or required to withdraw from a level

payment plan due to receipt of program assistance. Program assistance shall not be applied toward reducing any account balance in favor of the utility, which is in excess of accrued level payments.

5.00 Customer Payment Plan

Vendor should make an effort to offer LIHEAP customers an affordable payment plan for any balance due on their account.

6.00 Continuous Access to Home Heating

The Local Agency and Vendor will collaborate and to the extent practicable attempt to ensure the customer has continuous access to home heating.

7.00 Payments from Households

The Local Agency and Vendor will encourage regular monthly payments from households, including use of budget billing.

8.00 Confidentiality

Information regarding applicants and beneficiaries under this program must remain confidential subject only to the limited release of information by the Vendor to the Local Agency and the State of Iowa. The Vendor agrees to keep confidential the names and all other information pertaining to the clients served, including financial status, lifestyles, and housing conditions.

9.00 Non-Discrimination

The LIHEAP household will not be treated adversely from other households because of receiving assistance under LIHEAP. The Vendor agrees not to discriminate either in cost of goods supplied or services provided, against the household on whose behalf payments are made.

10.00 Termination of Customer Account

If a household terminates its account or changes Vendors prior to termination of this agreement, the Vendor shall contact the Local Agency within 30 calendar days to reconcile the existing account and to determine the distribution of any remaining funds. No funds paid under this program may be returned directly to any client without written authorization from the Local Agency. A credit balance on the account is to be returned to the Local Agency within 30 calendar days. If the household has an arrearage on a different portion of the account such as garbage, the Vendor shall not withhold a refund.

11.00 Records

The Vendor will maintain an accounting system and fiscal records covering all activities under this agreement. The Vendor's records must include:

- The amount of payments made on behalf of certified households by the Local Agency;
- Any LIHEAP Regular Assistance and ECIP crisis payment credit remaining on the household's account.

The Vendor shall retain these records for ten (10) years from the end date of this agreement.

The Vendor, upon written request from the certified household, Local Agency, State of Iowa, or other designated representative, will provide a status report indicating the above information.

Vendors will assist the Local Agency and State of Iowa in collecting data concerning information on home energy consumption, amount and cost of fuels used for households certified for the LIHEAP and Weatherization assistance programs, or such other data as the state determines is reasonably necessary.

12.00 Site Visits

The State of Iowa and HHS authorized representatives reserve the right to monitor the use of funds by the participating Vendor in order to evaluate compliance with the provisions of this agreement.

13.00 Termination of Agreement

The Local Agency may terminate this agreement upon written notice for the breach by the Vendor of any material term, condition or provision of this agreement. Either the Local Agency or the Vendor may terminate this agreement by giving the other party at least 30 calendar days written notice.

Upon termination of the agreement by either party or upon expiration of the agreement, the Vendor shall, within 5 business days, remit to the Local Agency any unexpended funds paid to the Vendor.

The Vendor shall provide a full accounting of the funds subject to this agreement within 30 calendar days of termination or expiration of the agreement.

14.00 Fraud, Waste & Abuse Reporting

The Vendor acknowledges that the State of Iowa and the U.S. Department of Health & Human Services (HHS) prohibit all forms of fraud, waste, and abuse related to LIHEAP. If the Vendor suspects any improper receipt of benefits, misuse of funds, falsification of information, or other fraudulent activities, the Vendor must promptly report these concerns through one of the following Iowa HHS channels:

Phone: 515-776-8871

Email: CAAComplaints@hhs.iowa.gov

The Vendor shall:

1. Fully cooperate with any resulting investigation or audit, including providing records, personnel access, and documentation.
2. Inform its employees, subcontractors, and agents of their obligation to report suspected fraud, waste, or abuse and of the whistleblower protections available under federal law.

IN WITNESS WHEREOF, this Agreement has been executed by duly authorized representatives of the Local Agency and Vendor and shall be effective as of the date of the Vendor's signature.

Indianola Municipal Utilities

Vendor

Vendor Authorized Individual (print name)

Vendor Authorized Individual (signature)

Date

IMPACT Community Action Partnership

Local Agency

Anne Bacon, Chief Executive Director

Local Agency Director (print name)

Local Agency Director (signature)

Date

MEMORANDUM

To: IMU Board of Trustees of the Electric, Water and Communications Utilities

From:

Date: September 14, 2026

Subject: Consider approval of utility accounts to be written off and to use any customary collection method, including submission to the state offset program, and to charge any applicable collection fees.

Recommendation: Attached are uncollected electric, water and telecommunication billing amounts from Quarter 2 2026 that will be written off. The amount for each utility is listed below:

Electric: \$25,001.40 Water: \$7,802.39 Telecommunications: \$3,898.68 Total: \$36702.47

Simple motion is in order.

Attachments:

1. IMU Write Offs Q2
2. Master IMU Write Off Sheet

IMU 2026 Q2 Write Offs

Electric Billed	\$3,460,284.76	
Electric Write-off	\$25,001.40	0.72%
Water Billed	\$855,088.33	
Water Write-off	\$7,802.39	0.91%
Telecom Billed	\$1,481,328.34	
Telecom Write-off	\$3,898.68	0.26%

Total # of accounts wrote off - 53

<u>Service</u>	<u>Total Dollar Amount</u>
Admin Fee Telecom	\$ 467.75
Electric	\$ 25,001.40
Internet	\$ 2,985.89
Video	\$ 321.00
Water	\$ 7,802.39
Phone	\$ 124.04
Grand Total	\$ 36,702.47

IMU Write Offs

2026-2031

	Electric	Water	Fiber	Total		Billed	
2026 Q1	\$ 11,930.68	\$ 1,955.64	\$ 2,764.77	\$ 16,651.09		\$ 6,212,380.46	2026 Q1
2026 Q2	\$ 25,001.40	\$ 7,802.39	\$ 3,898.68	\$ 36,702.47		\$ 5,796,701.43	2026 Q2
2026 Q3	\$ -	\$ -	\$ -	\$ -		\$ -	2026 Q3
2026 Q4	\$ -	\$ -	\$ -	\$ -	2026 Year Total	\$ -	2026 Q4
Total	36932.08	9758.03	6663.45		\$ 53,353.56	\$12,009,081.89	Total
2027 Q1	\$ -	\$ -	\$ -	\$ -		\$ -	2027 Q1
2027 Q2	\$ -	\$ -	\$ -	\$ -		\$ -	2027 Q2
2027 Q3	\$ -	\$ -	\$ -	\$ -		\$ -	2027 Q3
2027 Q4	\$ -	\$ -	\$ -	\$ -	2027 Year Total	\$ -	2027 Q4
Total	\$ -	\$ -	\$ -		\$ -	\$0.00	Total
2028 Q1	\$ -	\$ -	\$ -	\$ -		\$ -	2028 Q1
2028 Q2	\$ -	\$ -	\$ -	\$ -		\$ -	2028 Q2
2028 Q3	\$ -	\$ -	\$ -	\$ -		\$ -	2028 Q3
2028 Q4	\$ -	\$ -	\$ -	\$ -	2028 Year Total	\$ -	2028 Q4
Total	\$ -	\$ -	\$ -		\$ -	\$0.00	Total
2029 Q1	\$ -	\$ -	\$ -	\$ -		\$ -	2029 Q1
2029 Q2	\$ -	\$ -	\$ -	\$ -		\$ -	2029 Q2
2029 Q3	\$ -	\$ -	\$ -	\$ -		\$ -	2029 Q3
2029 Q4	\$ -	\$ -	\$ -	\$ -	2029 Year Total	\$ -	2029 Q4
Total	\$ -	\$ -	\$ -		\$ -	\$0.00	Total
2030 Q1	\$ -	\$ -	\$ -	\$ -		\$ -	2030 Q1
2030 Q2	\$ -	\$ -	\$ -	\$ -		\$ -	2030 Q2
2030 Q3	\$ -	\$ -	\$ -	\$ -		\$ -	2030 Q3
2030 Q4	\$ -	\$ -	\$ -	\$ -	2030 Year Total	\$ -	2030 Q4
Total	\$ -	\$ -	\$ -		\$ -	\$0.00	Total
2031 Q1	\$ -	\$ -	\$ -	\$ -		\$ -	2031 Q1
2031 Q2	\$ -	\$ -	\$ -	\$ -		\$ -	2031 Q2
2031 Q3	\$ -	\$ -	\$ -	\$ -		\$ -	2031 Q3
2031 Q4	\$ -	\$ -	\$ -	\$ -	2031 Year Total	\$ -	2031 Q4
Total	\$ -	\$ -	\$ -		\$ -	\$0.00	Total

0.44%

#DIV/0!

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2026-2031	Electric	Water	Fiber	2020-2025 Total
Totals	\$ 36,932.08	\$ 9,758.03	\$ 6,663.45	\$12,009,081.89
Averages	\$ 6,155.35	\$ 1,626.34	\$ 1,110.58	\$ 2,001,513.65

MEMORANDUM

To: IMU Board of Trustees of the Electric, Water and Communications Utilities
From:
Date: September 14, 2026
Subject: July Financial Report

Recommendation:

Attachments: 1. 0726 Financial Report

Indianola Municipal Utilities
Financial Summary
For the One Month Ended July 31, 2026
8% of fiscal year completed

Water and Electric

- July revenue reflects May-June usage.

Water

- July water consumption was approximately 2.0 million gallons below the same period last year.
- August's billed consumption, ahead of formal reporting, indicates a partial recovery of this shortfall.
- Consistent with the continued decline in overall usage, the FY27 budget projects a 2% decrease in consumption.

Electric

- Electric usage for July was approximately 12% higher than the same period last year. Usage is heavily influenced by weather, however, and is expected to normalize as the summer progresses.
- The Electric department's new bucket truck was delivered in July. The purchase price of \$219,000 was included in the FY27 budget.

Fiber

- Fiber subscriptions continue to grow at a steady pace.
- The Fiber utility continues to strengthen its net position and cash on hand.

Admin & Utility Services

- This fund is intended to maintain a zero balance; any balance reflects routine timing of monthly city service transfers.

Net Position reflects each department's long-term financial position. It includes cash and other assets (such as billing receivables and infrastructure), minus liabilities and accumulated depreciation.

Cash on Hand - 110 days or more of cash on hand based on the recommended 90-120 days to maintain our bond rating (A).

This report is on a modified cash basis, with monthly (non-cash) depreciation included.

Capital expenses may fall ahead or behind budget due to timing of project completion and payments.

Indianola Municipal Utilities
Financial Summary - Water Utility
For the One Month Ended July 31, 2026
8% of fiscal year completed

Water Operating & Capital Fund						
	FY 2026				FY 2027	
	FY Budget	YTD Actual	% of Bgt	FY Budget	YTD Actual	% of Bgt
Revenues						
Water Service Sales	\$ 3,637,072	\$ 188,013	5.2%	\$ 3,497,200	\$ 417,127	11.9%
Other Water Revenues	595,584	47,811	8.0%	582,045	52,762	9.1%
Total Revenues	\$ 4,232,656	\$ 235,824	5.6%	\$ 4,079,245	\$ 469,889	11.5%
Operating Expenses						
Treatment Chemicals	\$ 170,000	\$ 11,277	6.6%	\$ 170,000	\$ 11,045	6.5%
Electricity	229,200	22,942	10.0%	240,600	24,733	10.3%
Water O&M Expenses	1,666,420	123,999	7.4%	1,676,100	202,693	12.1%
Water Allocated Expenses	371,087	8,861	2.4%	372,712	31,063	8.3%
Total Operating Expenses	\$ 2,436,707	\$ 167,080	6.9%	\$ 2,459,412	\$ 269,534	11.0%
Net Revenues	\$ 1,795,949	\$ 68,744		\$ 1,619,833	\$ 200,355	
Water Capital Expenses	1,526,200	92,333	6.0%	2,282,400	148,501	6.5%
Net Surplus / (Deficit) - Cash Basis	\$ 269,749	\$ (23,589)		\$ (662,567)	\$ 51,854	

Combined Net Position - Water		
	FY 2026	FY 2027
Beginning Net Position	\$ 20,058,856	\$ 19,980,099
+/- Surplus / (Deficit)	(23,589)	51,854
Water Depreciation	(55,169)	(58,594)
Ending Net Position	\$ 19,980,099	\$ 19,973,359

Cash on Hand - Water		
	FY 2026	FY 2027
Total Cash	\$ 4,710,561	\$ 5,501,731
Days Cash on Hand	434 days	423 days
<i>(110 day policy)</i>		

Indianola Municipal Utilities
Financial Summary - Electric Utility
For the One Month Ended July 31, 2026
8% of fiscal year completed

Electric Operating & Capital Fund						
	FY2026			FY 2027		
	FY Budget	YTD Actual	% of Bgt	FY Budget	YTD Actual	% of Bgt
Revenues						
Electric Service Sales	\$ 17,225,886	\$ 1,967,461	11.4%	\$ 17,225,900	\$ 1,556,490	9.0%
Other Electric Revenues	3,594,800	287,976	8.0%	3,212,400	315,035	9.8%
Total Revenues	\$ 20,820,686	\$ 2,255,437	10.8%	\$ 20,438,300	\$ 1,871,525	9.2%
Operating Expenses						
Purchased Energy	\$ 10,828,925	\$ 1,039,754	9.6%	\$ 11,239,093	\$ 1,050,120	9.3%
Purchased Solar	500,000	-	0.0%	500,000	35,131	7.0%
Transmission	1,330,981	136,598	10.3%	1,370,911	139,640	10.2%
Electric O&M Expenses	3,636,417	263,880	7.3%	4,368,300	484,140	11.1%
Electric Allocated Expenses	596,897	48,065	8.1%	588,382	49,042	8.3%
Total Operating Expenses	\$ 16,893,220	\$ 1,488,299	8.8%	\$ 18,066,686	\$ 1,758,073	9.7%
Net Revenues	\$ 3,927,466	\$ 767,138		\$ 2,371,614	\$ 113,452	
Electric Debt Service	\$ 678,800	13,933	2.1%	\$ 676,800	-	0.0%
Electric Capital Expenses	2,421,000	85,565	3.5%	2,900,300	275,344	9.5%
Net Surplus / (Deficit) - Cash Basis	\$ 827,666	\$ 667,640		\$ (1,205,486)	\$ (161,892)	

Combined Net Position - Electric		
	FY 2026	FY 2027
Beginning Net Position	\$ 48,416,630	\$ 51,307,225
+/- Surplus / (Deficit)	667,640	(161,892)
Electric Depreciation	(139,889)	(119,752)
Ending Net Position	\$ 48,944,381	\$ 51,025,581

Cash on Hand - Electric		
	FY 2026	FY 2027
Total Cash	\$ 19,478,554	\$ 20,043,945
Days Cash on Hand	356 days	338 days
<i>(110 day policy)</i>		

Indianola Municipal Utilities
Financial Summary - Fiber Utility
For the One Month Ended July 31, 2026
8% of fiscal year completed

Fiber Operating & Capital Fund						
	FY 2026				FY 2027	
	FY Budget	YTD Actual	% of Bgt	FY Budget	YTD Actual	% of Bgt
Revenues						
Fiber Service Sales	\$ 5,365,000	\$ 452,271	8.4%	\$ 5,750,000	\$ 471,029	8.2%
Other Fiber Revenues	490,450	29,784	6.1%	398,950	34,019	8.5%
Total Revenues	\$ 5,855,450	\$ 482,055	8.2%	\$ 6,148,950	\$ 505,048	8.2%
Operating Expenses						
Wholesale Provider Costs	\$ 1,205,000	\$ 112,639	9.3%	\$ 1,360,000	\$ 101,749	7.5%
Transport Charges	85,000	5,892	6.9%	75,000	5,807	7.7%
Fiber O&M Expenses	2,117,825	179,407	8.5%	2,216,400	191,675	8.6%
Fiber Allocated Expenses	317,190	24,428	7.7%	312,570	26,175	8.4%
Total Operating Expenses	\$ 3,725,015	\$ 322,366	8.7%	\$ 3,963,970	\$ 325,405	8.2%
Net Revenues	\$ 2,130,435	\$ 159,690		\$ 2,184,980	\$ 179,643	
Fiber Debt Service	\$ 1,126,620	7,538	0.7%	\$ 1,126,655	-	0.0%
Fiber Capital Expenses	998,800	248,915	24.9%	886,200	15,380	1.7%
Net Surplus / (Deficit) - Cash Basis	\$ 5,015	\$ (96,763)		\$ 172,125	\$ 164,262	

Combined Net Position - Fiber		
	FY 2026	FY 2027
Beginning Net Position	\$ (790,464)	\$ 488,963
+/- Surplus / (Deficit)	(96,763)	164,262
Fiber Depreciation	(72,396)	(71,318)
Ending Net Position	\$ (959,623)	\$ 581,908

Cash on Hand - Fiber		
	FY 2026	FY 2027
Total Cash	\$ 257,784	\$ 360,488
Days Cash on Hand	16 days	22 days
<i>(110 day policy)</i>		

Indianola Municipal Utilities
Financial Summary - Admin / Utility Services
For the One Month Ended July 31, 2026
8% of fiscal year completed

Admin / Utility Services Operating Fund						
	FY 2026			FY 2027		
	FY Budget	YTD Actual	% of Bgt	FY Budget	YTD Actual	% of Bgt
Revenues						
Admin/US Revenue	\$ 1,444,214	\$ 92,245	6.4%	\$ 1,470,600	\$ 138,982	9.5%
Total Revenues	\$ 1,444,214	\$ 92,245	6.4%	\$ 1,470,600	\$ 138,982	9.5%
Operating Expenses						
Admin/US O&M Expenses	1,444,214	118,690	8.2%	1,470,600	72,963	5.0%
Total Operating Expenses	\$ 1,444,214	\$ 118,690	8.2%	\$ 1,470,600	\$ 72,963	5.0%
Net Revenues	\$ -	\$ (26,445)		\$ -	\$ 66,019	
Admin/US Capital Expenses	\$ -	-		\$ -	-	
Net Surplus / (Deficit) - Cash Basis	\$ -	\$ (26,445)		\$ -	\$ 66,019	

Combined Net Position - Admin/Utility Services & Liability Insurance Fund		
	FY 2026	FY 2027
Beginning Net Position	\$ 256,808	\$ 311,055
+/- Surplus / (Deficit)	(26,445)	66,019
Admin/US Depreciation	(2,949)	(3,552)
Ending Net Position	\$ 227,414	\$ 373,522

Cash on Hand - Admin/Utility Services & Liability Insurance Fund		
	FY 2026	FY 2027
Total Cash	\$ 647,569	\$ 655,544
Transfer of City Services collected in July	(564,416)	(573,202)
	<u>\$ 83,153</u>	<u>\$ 82,342</u>

Indianola Municipal Utilities
Financial Summary - Supplemental Information
For the One Month Ended July 31, 2026

Water Utility

	Gallons Billed			Inventory on Hand	
	FY 2026	FY 2027		FY 2026	FY 2027
Jul	36,675,070	34,613,380	Jul	\$ 335,804	\$ 272,705
Aug			Aug		
Sep			Sep		
Oct			Oct		
Nov			Nov		
Dec			Dec		
Jan			Jan		
Feb			Feb		
Mar			Mar		
Apr			Apr		
May			May		
Jun			Jun		
YTD Total	36,675,070	34,613,380	YTD Average	\$ 335,804	\$ 272,705
		-5.6%			-18.8%

Electric Utility

	kWh Billed			Inventory on Hand	
	FY 2026	FY 2027		FY 2026	FY 2027
Jul	9,943,489	11,147,478	Jul	\$ 1,755,215	\$ 1,917,688
Aug			Aug		
Sep			Sep		
Oct			Oct		
Nov			Nov		
Dec			Dec		
Jan			Jan		
Feb			Feb		
Mar			Mar		
Apr			Apr		
May			May		
Jun			Jun		
YTD Total	9,943,489	11,147,478	YTD Average	\$ 1,755,215	\$ 1,917,688
		12.1%			9.3%

Fiber Utility

	Subscriptions			Inventory on Hand	
	FY 2026	FY 2027		FY 2026	FY 2027
Jul	4,444	4,616	Jul	\$ 2,035,210	\$ 2,596,611
Aug			Aug		
Sep			Sep		
Oct			Oct		
Nov			Nov		
Dec			Dec		
Jan			Jan		
Feb			Feb		
Mar			Mar		
Apr			Apr		
May			May		
Jun			Jun		
	Increase	3.9%	YTD Average	\$ 2,035,210	\$ 2,596,611
					27.6%

MEMORANDUM

To: IMU Board of Trustees of the Electric, Water and Communications Utilities

From:

Date: September 14, 2026

Subject: Public hearing regarding the plans, specifications, form of contract and estimate of cost for Plant Substation Switchgear Replacement Project - Installation

Recommendation:

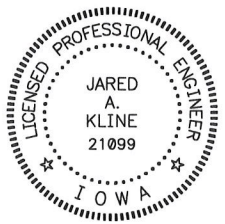
Attachments:

1. IMU Plant Switchgear Volume 1 2026-08-11 Signed
2. IMU Plant Switchgear Volume 2 2026-08-11 Signed

INDIANOLA MUNICIPAL UTILITIES

PLANT SUBSTATION SWITCHGEAR REPLACEMENT PROJECT

INSTALLATION CONTRACT AND SPECIFICATIONS

	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.
	<i>Jared Kline</i> 8/11/26
	JARED A. KLINE, IOWA REG. NO. 21099 DATE MY LICENSE RENEWAL DATE IS DECEMBER 31, 2027
	PAGES OR SHEETS COVERED BY THIS SEAL: All Documents listed on Index Page 00000-1

INDIANOLA MUNICIPAL UTILITIES



Electric • Communications • Water

ISSUED FOR BIDDING
AUGUST 11, 2026

 **P & E ENGINEERING CO.**
POWER SYSTEM ANALYSIS AND DESIGN

INDIANOLA MUNICIPAL UTILITIES
Plant Substation Switchgear Replacement Project - Installation
Section 00000 - Index

SECTION	TITLE
	<u>Bidding Requirements</u>
00050	Notice of Hearing and Letting
00200	Instructions to Bidders
00410	Bid Form (including Bidder Status Form)
00430	Bid Bond
	<u>Contract Documents</u>
00522	Contract for Construction of a Small Project
00610	Performance Bond
00615	Payment Bond
	<u>Construction Specifications</u>
01000	General Requirements
16402	Underground Construction
16910	Materials
17839	Project Record Documents
337243	Substation Control Conductors and Cables
E1251-010	Bill of Material

Appendix A Plant Substation Construction Drawings (separate volume)

Construction Drawings are listed on first page of Appendix A

NOTICE OF HEARING AND LETTING PLANT SUBSTATION SWITCHGEAR REPLACEMENT PROJECT - INSTALLATION

Sealed proposals will be received by the Board of Trustees of Indianola Municipal Utilities (IMU), Indianola, Iowa, (Buyer) at the IMU Customer Service Center, 210 W. 2nd Ave., Indianola, Iowa until 2:00 P.M. local time on September 3rd, 2026 for a project identified as the PLANT SUBSTATION SWITCHGEAR REPLACEMENT PROJECT - INSTALLATION, and as described in detail in the specifications for the project now on file in the office of the Board Secretary. Proposals will be opened in public session at that time. Proposals will be acted upon by the Board of Trustees at a meeting to be held at the IMU Customer Service Center, 210 W. 2nd Ave., Indianola, Iowa at 5:30 P.M. local time on September 14th, 2026, or at such later time and place as may then be fixed. At that time and place a hearing will be held on the proposed plans, specifications, form of contract and estimate of cost for the improvements, and at the hearing any interested person may appear and file objections to the project or to the cost of the improvements.

The contract includes providing materials and performing work necessary to install two automatic, dead-front, pad-mounted switchgear, modifications to existing duct banks and riser structures, and pulling and terminating primary cables at the Plant Substation, 111 South Buxton Street, Indianola, IA.

Each proposal shall be sealed in an envelope marked "PLANT SUBSTATION SWITCHGEAR REPLACEMENT PROJECT - INSTALLATION". Each bid must be accompanied in a separate envelope by a bid bond, certified check or cashier's check drawn on a State of Iowa or federally chartered bank, or a certified share draft on a State of Iowa or federally chartered credit union, in an amount not less than five per cent (5%) of the total value of the Proposal, and made payable to the Buyer as a security that the bidder will enter into a contract for the Work within ten (10) days after the award of the contract to such bidder.

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

Payment will be made to the Contractor in an amount of 95% of the completed contract value, upon acceptance of the improvements by Owner. The balance of the amount due the successful bidder will be paid not earlier than 31 days from the final acceptance of the improvements by Owner, subject to the conditions and in accordance with the provisions of the Code of Iowa.

Payment to the Contractor for completion of the improvements will be made in cash derived from available cash on hand from revenue and such other sources as may be available to IMU. The City of Indianola shall not incur any general obligation for the Improvements. The contract for the furnishing of the improvements shall not constitute a general obligation of the City of Indianola nor be payable in any manner by taxation.

If the successful bidder fails to execute a contract with IMU for the Improvements, the certified check or cashier's check deposited by the Supplier shall be cashed, or the bid bond declared forfeited, and proceeds retained by IMU as agreed liquidated damages.

Bidders will be required to complete a Bidder Status Form from the Iowa Department of Labor regarding Bidder'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.

Work is to commence on or about October 1st, 2026 and shall be substantially complete not later than January 31st, 2027. Work shall be completed and ready for final payment not later than 60 days after substantial completion.

Plans and specifications governing the furnishing of materials have been prepared by P&E Engineering Co., 500 SW 7th Street, Suite 100, Des Moines, Iowa 50309. The plans and specifications, prior proceedings of IMU referring to and defining the improvements and a proposed contract are hereby made a part of this notice by reference. The proposed contracts shall be executed in accordance with them. Copies of the specifications may be obtained from P & E Engineering Co.

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

IMU reserves the right to reject any or all proposals and to waive informalities. Published upon order of the Board of Trustees Indianola Municipal Utilities, Indianola, Iowa.

MONICA THOMPSON
Board Secretary

INDIANOLA MUNICIPAL UTILITIES
Plant Substation Switchgear Replacement Project - Installation
Section 00200 – Instructions to Bidders

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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 7th St., 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 Contract for Construction of a Small Project 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. Bidding Documents will be provided in Adobe PDF (Portable Document Format) (.pdf). 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 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 2.05.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. None
 - 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 Bidders must complete a Bidder Status Form from the Iowa Department of Labor regarding the Contractor's resident status within the State of Iowa and 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.
- 3.02 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.

- 3.03 A Bidder's failure to submit required qualification information within the times indicated may disqualify Bidder from receiving an award of the Contract.
- 3.04 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 pre-bid conference will not be held for this project.

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

5.01 *Site Visit and Testing by Bidders*

- A. Bidder may visit the Site and conduct a thorough visual examination of the Site and adjacent areas.
- B. Bidders visiting the Site are required to arrange their own transportation to the Site.
- C. 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. Nate Edwards
Lead Generation
Indianola Municipal Utilities
515-961-9444 (office)
nedwards@indianolaiowa.gov

- D. Bidder is not required to conduct any subsurface testing, or exhaustive investigations of Site conditions.
- E. 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.

5.02 *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.

5.03 *Other Work at the Site*

- A. Reference is made to Article 4 of the General Requirements 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.

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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 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 Jared Kline at jakline@peengr.com. Email message must include “Question regarding IMU Plant Substation Switchgear Replacement Project” in the subject line. Confirm the email has been received by calling Jared Kline at 515-989-3083.
- 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 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 OF HEARING AND LETTING.
- 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 10 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 Contract for Construction of a Small Project.

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 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 another Bidder who submits the Bid in the best interests of the project 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 7.04 of the Contract for Construction of a Small Project.

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.
- 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*

- A. Bidders must submit a Bid on a lump sum basis for each item listed in the lump sum section of the Bid Form.

ARTICLE 14—SUBMITTAL OF BID

14.01 The Bidding Documents include one separate unbound copy of the Bid Form. The unbound copy of the Bid Form is to be completed and submitted with the Bid security, Bidder Status Form, and the other documents required to be submitted under the terms of Article 2 of the Bid Form. See Paragraph 12.02 for submittal of a Bid from 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."

14.03 The sealed envelope containing the Bid and all required documents 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:

Indianola Municipal Utilities
Attn: Ms. Michelle Sheraden
210 West 2nd Avenue
Indianola, IA 50125
515-961-9444

14.06 A bid sent by delivery service or hand delivered shall be delivered to:

Indianola Municipal Utilities
Attn: Ms. Michelle Sheraden
210 West 2nd Avenue
Indianola, IA 50125
515-961-9444

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 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 Notice of Hearing and Letting 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.

- B. For the determination of the apparent successful 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 and insurance. When the Successful Bidder delivers the executed Agreement to Owner, it must be accompanied by required bonds and insurance documentation.

ARTICLE 20—SIGNING OF CONTRACT FOR CONSTRUCTION OF A SMALL PROJECT

- 20.01 When Owner issues a Notice of Award to the Successful Bidder, it will be accompanied by the unexecuted counterparts of the Contract for Construction of a Small Project along with the other Contract Documents as identified in the Contract for Construction of a Small Project. Within 10 days thereafter, Successful Bidder must execute and deliver the required number of counterparts of the Contract for Construction of a Small Project 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 Contract for Construction of a Small Project to Successful Bidder, together with printed and/or electronic copies of the Contract Documents as stated in Paragraph 2.02 of the Contract for Construction of a Small Project.

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.**

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The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders and the Contract for Construction of a Small Project.

ARTICLE 1—OWNER AND BIDDER

1.01 This Bid is submitted to:

Indianola Municipal Utilities
210 West 2nd Avenue
Indianola, IA 50125

The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into a Contract 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. 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;
- B. 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;
- C. A completed Bidder Status Form regarding the Contractor's resident status within the State of Iowa. A blank Bidder Status Form follows this Bid Form.

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):

- 1. Lump Sum Price (Single Lump Sum)

Lump Sum Bid Price	\$
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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 Article 4 of the Contract for Construction of a Small Project (Section 00522) on or before the dates or within the number of calendar days indicated in the Contract.

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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. If necessary, 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.
 3. Bidder is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.
 4. 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.
 5. 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.

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6. 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.
7. 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.
8. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
9. 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.
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 6.02.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)

Bidder Status Form

To be completed by all bidders

Part A

Please answer “Yes” or “No” for each of the following:

- ☐ Yes ☐ No My company is authorized to transact business in Iowa.
(To help you determine if your company is authorized, please review the worksheet on the next page)
- ☐ Yes ☐ No My company has an office to transact business in Iowa.
- ☐ Yes ☐ No My company's office in Iowa is suitable for more than receiving mail, telephone calls, and e-mail.
- ☐ Yes ☐ No My company has been conducting business in Iowa for at least 3 years prior to the first request for bids on this project.
- ☐ Yes ☐ No My company is not a subsidiary of another business entity or my company is a subsidiary of another business entity that would qualify as a resident bidder in Iowa.

If you answered "Yes" for each question above, your company qualifies as a resident bidder. Please complete Parts B and D of this form.

If you answered "No" to one or more questions above, your company is a nonresident bidder. Please complete Parts C and D of this form.

To be completed by resident bidders

Part B

My company has maintained offices in Iowa during the past 3 years at the following addresses:

Dates: ____/____/____ to ____/____/____ Address: _____

City, State, Zip: _____

Dates: ____/____/____ to ____/____/____ Address: _____

City, State, Zip: _____

Dates: ____/____/____ to ____/____/____ Address: _____

You may attach additional sheet(s) if needed. City, State, Zip: _____

To be completed by non-resident bidders

Part C

1. Name of home state or foreign country reported to the Iowa Secretary of State:

2. Does your company's home state or foreign country offer preferences to resident bidders, resident labor force preferences or any other type of preference to bidders or laborers? ☐ Yes ☐ No
3. If you answered "Yes" to question 2, identify each preference offered by your company's home state or foreign country and the appropriate legal citation.

You may attach additional sheet(s) if needed.

To be completed by all bidders

Part D

I certify that the statements made on this document are true and complete to the best of my knowledge and I know that my failure to provide accurate and truthful information may be a reason to reject my bid.

Firm Name: _____

Signature: _____ Date: _____

You must submit the completed form to the governmental body requesting bids per 875 Iowa Administrative Code Chapter 156. This form has been approved by the Iowa Labor Commissioner.

Worksheet: Authorization to Transact Business

This worksheet may be used to help complete Part A of the Resident Bidder Status form. If at least one of the following describes your business, you are authorized to transact business in Iowa.

- ☐ Yes ☐ No My business is currently registered as a contractor with the Iowa Division of Labor.
- ☐ Yes ☐ No My business is a sole proprietorship and I am an Iowa resident for Iowa income tax purposes.
- ☐ Yes ☐ No My business is a general partnership or joint venture. More than 50 percent of the general partners or joint venture parties are residents of Iowa for Iowa income tax purposes.
- ☐ Yes ☐ No My business is an active corporation with the Iowa Secretary of State and has paid all fees required by the Secretary of State, has filed its most recent biennial report, and has not filed articles of dissolution.
- ☐ Yes ☐ No My business is a corporation whose articles of incorporation are filed in a state other than Iowa, the corporation has received a certificate of authority from the Iowa secretary of state, has filed its most recent biennial report with the secretary of state, and has neither received a certificate of withdrawal from the secretary of state nor had its authority revoked.
- ☐ Yes ☐ No My business is a limited liability partnership which has filed a statement of qualification in this state and the statement has not been canceled.
- ☐ Yes ☐ No My business is a limited liability partnership which has filed a statement of qualification in a state other than Iowa, has filed a statement of foreign qualification in Iowa and a statement of cancellation has not been filed.
- ☐ Yes ☐ No My business is a limited partnership or limited liability limited partnership which has filed a certificate of limited partnership in this state, and has not filed a statement of termination.
- ☐ Yes ☐ No My business is a limited partnership or a limited liability limited partnership whose certificate of limited partnership is filed in a state other than Iowa, the limited partnership or limited liability limited partnership has received notification from the Iowa secretary of state that the application for certificate of authority has been approved and no notice of cancellation has been filed by the limited partnership or the limited liability limited partnership.
- ☐ Yes ☐ No My business is a limited liability company whose certificate of organization is filed in Iowa and has not filed a statement of termination.
- ☐ Yes ☐ No My business is a limited liability company whose certificate of organization is filed in a state other than Iowa, has received a certificate of authority to transact business in Iowa and the certificate has not been revoked or canceled.

BID BOND (PENAL SUM FORM)

Bidder Name: Address <i>(principal place of business)</i> :	Surety Name: Address <i>(principal place of business)</i> :
Owner Name: INDIANOLA MUNICIPAL UTILITIES Address <i>(principal place of business)</i> : 210 WEST 2ND AVE INDIANOLA, IA 50125	Bid Project <i>(name and location)</i> : PLANT SUBSTATION SWITCHGEAR REPLACEMENT PROJECT - INSTALLATION INDIANOLA, IOWA Bid Due Date: SEPTEMBER 3, 2026
Bond Penal Sum: Date of Bond:	
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	Surety
_____ <i>(Full formal name of Bidder)</i>	_____ <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.

CONTRACT FOR CONSTRUCTION OF A SMALL PROJECT

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This Contract is by and between INDIANOLA MUNICIPAL UTILITIES (Owner) and _____ (Contractor).

Owner and Contractor hereby agree as follows:

ARTICLE 1 - THE WORK

1.01 Work

- A. Work includes all labor, materials, equipment, services, and documentation necessary to construct the Project defined herein. The Work may include related services such as testing, start-up, and commissioning, all as required by the Contract Documents.
- B. The Contractor shall complete all Work as specified or indicated in the Contract Documents. The Project is generally described as follows:
 - 1. **PLANT SUBSTATION SWITCHGEAR REPLACEMENT PROJECT - INSTALLATION** providing materials and performing work necessary to install two automatic, dead-front, pad-mounted switchgear, modifications to existing duct banks and riser structures, and pulling and terminating primary cables at the Plant Substation, 111 South Buxton Street, Indianola, IA.
 - 2. The Site of the Work includes property, easements, and designated work areas described in greater detail in the Contract Documents but generally located at the Plant Substation, 111 South Buxton Street, Indianola, IA.

ARTICLE 2 - CONTRACT DOCUMENTS

2.01 Intent of Contract Documents

- A. It is the intent of the Contract Documents to describe a functionally complete project. The Contract Documents do not indicate or describe all the Work required to complete the Project. Additional details required for the correct installation of selected products are to be provided by the Contractor and coordinated with the Owner and Engineer. This Contract supersedes prior negotiations, representations, and agreements, whether written or oral. The Contract Documents are complementary; what is required by one part of the Contract Documents is as binding as if required by other parts of the Contract Documents.
- B. During the performance of the Work and until final payment, Contractor and Owner shall submit all matters in question concerning the requirements of the Contract Documents or relating to the acceptability of the Work under the Contract Documents to the Engineer.

Engineer will be the initial interpreter of the requirements of the Contract Documents, and judge of the acceptability of the Work thereunder.

- C. Engineer will render a written clarification, interpretation, or decision on the issue submitted, or initiate a modification to the Contract Documents.
- D. Contractor, and its subcontractors and suppliers, shall not have or acquire any title to or ownership rights to any of the Drawings, Specifications, or other documents (including copies or electronic media editions) prepared by Engineer or its consultants.

2.02 Contract Documents Defined

A. The Contract Documents consist of the following documents:

- 1. This Contract.
- 2. Performance bond.
- 3. Payment bond.
- 4. Specifications listed in the Table of Contents.
- 5. Appendices listed in the Table of Contents.
- 6. Drawings as listed on the Drawing Sheet Indexes.
- 7. Addenda.
- 8. Exhibits to this Contract (enumerated as follows):
 - a. Contractor Bid.
- 9. The following which may be delivered or issued on or after the Effective Date of the Contract:
 - a. Work Change Directives (EJCDC C-940).
 - b. Change Orders (EJCDC C-941).
 - c. Field Orders.

ARTICLE 3 - ENGINEER

3.01 Engineer

- A. The Engineer for this Project is P&E Engineering Co. with offices at 500 SW 7th Street Suite 100, Des Moines, IA 50309.

ARTICLE 4 - CONTRACT TIMES

4.01 Contract Times

- A. Provided ground conditions allow, work is expected to begin on or about October 1st, 2026, the Work will be substantially completed on or before January 31st, 2027 and completed and ready for final payment on or before April 2nd, 2027.

4.02 Liquidated Damages

- A. Liquidated damages will not be assessed.

4.03 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 the Contract Times and Contract Price. Contractor's entitlement to an adjustment of the Contract Times is conditioned on such adjustment being essential to Contractor's ability to complete the Work within the 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 or their subcontractors or suppliers.
- 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.
- D. Contractor shall not be entitled to an adjustment in Contract Price or Contract Times 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 or Contractor's subcontractors or suppliers.

4.04 Progress Schedules

- A. Contractor shall develop a progress schedule and submit to the Engineer for review and comment before starting Work on the Site. The Contractor shall modify the schedule in accordance with the comments provided by the Engineer.
- B. The Contractor shall update and submit the progress schedule to the Engineer each month. The Owner may withhold payment if the Contractor fails to submit the schedule.

ARTICLE 5 - CONTRACT PRICE

5.01 Payment

- A. Owner shall pay Contractor in accordance with the Contract Documents, the lump sum amount of \$**[Contract Price]** for all Work.

ARTICLE 6 - BONDS AND INSURANCE

6.01 Bonds

- A. Before starting Work, Contractor shall furnish a performance bond and a payment bond from surety companies that are duly licensed or authorized to issue bonds in the required amounts in the jurisdiction in which the Project is located. Each bond shall be in an amount equal to the Contract Price, as security for the faithful performance and payment of all of Contractor's obligations under the Contract. These bonds shall remain in effect until the completion of the correction period specified in Paragraph 7.12 but, in any case, not less than one year after the date when final payment becomes due.

6.02 Insurance

- A. Before starting Work, Contractor shall furnish evidence of insurance from companies that are duly licensed or authorized in the jurisdiction in which the Project is located with a

minimum AM Best rating of A-VII or better. Contractor shall provide insurance in accordance with the following:

1. Contractor shall provide coverage for not less than the following amounts, or greater where required by Laws and Regulations:

- a. Workers' Compensation:

State:	<u>Statutory</u>
Employer's Liability:	
Bodily Injury, each Accident	\$ <u>1,000,000</u>
Bodily Injury By Disease, each Employee	\$ <u>1,000,000</u>
Bodily Injury/Disease Aggregate	\$ <u>1,000,000</u>

- b. Commercial General Liability:

General Aggregate	\$ <u>2,000,000</u>
Products - Completed Operations Aggregate	\$ <u>2,000,000</u>
Personal and Advertising Injury	\$ <u>1,000,000</u>
Each Occurrence (Bodily Injury and Property Damage)	\$ <u>1,000,000</u>

- c. Automobile Liability herein:

Bodily Injury:	
Each Person	\$ <u>500,000</u>
Each Accident	\$ <u>1,000,000</u>
Property Damage:	
Each Accident	\$ <u>500,000</u>
Combined Single Limit of:	\$ <u>1,000,000</u>

- d. Excess or Umbrella Liability:

Per Occurrence	\$ <u>3,000,000</u>
General Aggregate	\$ <u>3,000,000</u>

- e. Contractor's Pollution Liability:

Each Occurrence	\$ <u>1,000,000</u>
General Aggregate	\$ <u>1,000,000</u>

- B. All insurance policies required to be purchased and maintained will contain a provision or endorsement that the coverage afforded will not be canceled or materially changed or renewal refused until at least 10 days prior written notice has been given to the insured and additional insured.
 - C. Automobile liability insurance provided by Contractor shall provide coverage against claims 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 shall be written on an occurrence basis.

- D. Contractor's commercial general liability policy shall be written on a 1996 or later ISO commercial general liability occurrence form and include the following coverages and endorsements:
 - 1. Products and completed operations coverage maintained for three years after final payment;
 - 2. Blanket contractual liability coverage to the extent permitted by law;
 - 3. Broad form property damage coverage; and
 - 4. Severability of interest; underground, explosion, and collapse coverage; personal injury coverage.
- E. The Contractor's commercial general liability and automobile liability, umbrella or excess, and pollution liability policies shall include and list Owner and Engineer and the respective officers, directors, members, partners, employees, agents, consultants, and subcontractors of each as additional insureds; and the insurance afforded to these additional insureds shall provide primary coverage for all claims covered thereby (including as applicable those arising from both ongoing and completed operations) on a non-contributory basis.
 - 1. Additional insured endorsements will include both ongoing operations and products and completed operations coverage through ISO Endorsements CG 20 10 10 01 and CG 20 37 10 01 (together). If Contractor demonstrates to Owner that the specified ISO endorsements are not commercially available, then Contractor may satisfy this requirement by providing equivalent endorsements.
 - 2. Contractor shall provide ISO Endorsement CG 20 32 07 04, "Additional Insured—Engineers, Architects or Surveyors Not Engaged by the Named Insured" or its equivalent for design professional additional insureds.
- F. Umbrella or excess liability insurance shall be written over the underlying employer's liability, commercial general liability, and automobile liability insurance. Subject to industry-standard exclusions, the coverage afforded shall be procured on a "follow the form" basis as to each of the underlying policies. Contractor may demonstrate to Owner that Contractor has met the combined limits of insurance (underlying policy plus applicable umbrella) specified for employer's liability, commercial general liability, and automobile liability through the primary policies alone, or through combinations of the primary insurance policies and an umbrella or excess liability policy.
- G. The Contractor shall provide property insurance covering physical loss or damage during construction to structures, materials, fixtures, and equipment, including those materials, fixtures, or equipment in storage or transit.
- H. If Contractor has failed to obtain and maintain required insurance, Owner may exclude the Contractor from the Site, impose an appropriate set-off against payment, and exercise Owner's termination rights under Article 15.

ARTICLE 7 - CONTRACTOR'S RESPONSIBILITIES

7.01 Supervision and Superintendence

- A. Contractor shall supervise 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. Contractor shall be solely responsible for the means, methods, techniques, sequences, safety, and procedures of construction.
- B. Contractor shall assign a competent resident superintendent who is to be present at all times during the execution of the Work. This resident superintendent shall not be replaced without written notice to and approval by the Owner and Engineer except under extraordinary circumstances.
- C. Contractor shall at all times maintain good discipline and order at the Site.
- D. 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 shall be performed during regular working hours, Monday through Friday.

7.02 Other Work at the Site

- A. In addition to and apart from the Work of the Contractor, other work may occur at or adjacent to the Site. 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.

7.03 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 shall be new, of good quality and shall 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.

7.04 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.

7.05 Quality Management

- A. Contractor is fully responsible for managing quality to ensure Work is completed in accordance with the Contract Documents.

7.06 Licenses, Fees and Permits

- A. Contractor shall pay all license fees and royalties and assume all costs incident to performing 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.

- B. Contractor shall obtain and pay for all construction permits and licenses unless otherwise provided in the Contract Documents.

7.07 Laws and Regulations; Taxes

- A. Contractor shall give all notices required by and shall comply with all local, state, and federal Laws and Regulations applicable to the performance of the Work. Except where otherwise expressly required by applicable Laws and Regulations, neither Owner nor Engineer shall be responsible for monitoring Contractor's compliance with any Laws or Regulations.
- B. 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 if Contractor performs any Work or takes any other action knowing or having reason to know that it is contrary to Laws or Regulations.
- C. Contractor shall pay all applicable sales, consumer, use, and other similar taxes Contractor is required to pay in accordance with Laws and Regulations.

7.08 Record Documents

- A. Contractor shall maintain one printed record copy of all Drawings, Specifications, Addenda, Change Orders, Work Change Directives, Field Orders, written interpretations and clarifications, and approved shop drawings in a safe place at the Site. Contractor shall annotate them to show changes made during construction. Contractor shall deliver these record documents to Engineer upon completion of the Work.

7.09 Safety and Protection

- A. Contractor shall be solely responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Work.
- B. 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.
- C. All damage, injury, or loss to any property caused, directly or indirectly, in whole or in part, by Contractor, or anyone for whose acts the Contractor may be liable, shall be remedied by Contractor at its expense (except damage or loss attributable to the fault of Contract Documents or to the acts or omissions of Owner or Engineer and not attributable, directly or indirectly, in whole or in part, to the fault or negligence of Contractor).
- D. Contractor shall be responsible for coordinating any exchange of 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.

- E. In emergencies affecting the safety or protection of persons or the Work or property at the Site or adjacent thereto, Contractor shall act to prevent threatened 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 thereby or are required as a result thereof. If Engineer determines that a change in the Contract Documents is required because of the action taken by Contractor in response to such an emergency, a Work Change Directive or Change Order will be issued.

7.10 Shop Drawings, Samples, and Other Submittals

- A. Contractor shall review and coordinate the shop drawing and samples with the requirements of the Work and the Contract Documents and shall verify all related field measurements, quantities, dimensions, specified performance and design criteria, installation requirements, materials, catalog numbers, and similar information.
- B. Each submittal shall 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.
- C. With each submittal, Contractor shall give Engineer specific written notice, in a communication separate from the submittal, of any variations that the shop drawing or sample may have from the requirements of the Contract Documents.
- D. Engineer will provide timely review of shop drawings and samples.
- E. Engineer's review and approval will not extend to means, methods, techniques, sequences, or procedures of construction or to safety precautions or programs.
- F. Engineer's review and approval of a separate item does not indicate approval of the assembly in which the item functions.
- G. 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.
- H. Shop drawings are not Contract Documents.

7.11 Warranties and Guarantees

- A. Contractor warrants and guarantees to Owner that all Work will be in accordance with the Contract Documents and will not be defective. Engineer and its officers, directors, members, partners, employees, agents, consultants, and subcontractors shall be entitled to rely on Contractor's warranty and guarantee.

7.12 Correction Period

- A. If within one year after the date of substantial completion, any Work is found to be defective, or if the repair of any damages to the Site, adjacent areas that Contractor has arranged to use through construction easements or otherwise, and other adjacent areas used by Contractor as permitted by Laws and Regulations, is found to be defective, then Contractor shall promptly and without cost to Owner, correct such defective Work.

7.13 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 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 performance of the Work, provided that any such claim, cost, loss, or damage is attributable to bodily injury, sickness, disease, or death, or to injury 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 they may be liable.

ARTICLE 8 - OWNER'S RESPONSIBILITIES

8.01 Owner's Responsibilities

- A. Except as otherwise provided in the Contract Documents, Owner shall issue all communications directly to Contractor. Engineer will be responsive to questions from Owner and Contractor.
- B. Owner shall make payments to Contractor as provided in this Contract.
- C. Owner shall provide Site and easements required to construct the Project.
- D. If Owner intends to contract with others for the performance of other work at or adjacent to the Site, unless stated elsewhere in the Contract Documents, Owner shall have sole authority and responsibility for such coordination.
- E. The Owner shall be responsible for performing inspections and tests required by applicable codes.
- F. 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, 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.
- G. 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.
- H. Owner shall furnish copies of any applicable Owner safety programs to Contractor.

ARTICLE 9 - ENGINEER'S STATUS DURING CONSTRUCTION

9.01 Engineer's Status

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

- B. Neither Engineer's authority or responsibility under this Article 9 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, shall 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.
- C. Engineer will make visits to the Site at intervals appropriate to the various stages of construction. Engineer will not be required to make exhaustive or continuous inspections on the Site to check the quality or quantity of the Work.
- D. Engineer has the authority to reject Work if Contractor fails to perform Work in accordance with the Contract Documents.
- E. Engineer will render decisions regarding the requirements of the Contract Documents, and judge the acceptability of the Work.
- F. 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, 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.

ARTICLE 10 - CHANGES IN THE WORK

10.01 Authority to Change 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.

10.02 Change Orders

- A. Owner and Contractor shall execute appropriate Change Orders covering:
 - 1. Changes in the 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 the Work which are: (a) ordered by Owner or (b) agreed to by the parties or (c) resulting from the Engineer's decision, 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
 - 3. Changes in the Contract Price or Contract Times or other changes which embody the substance of any final binding results under Article 12.
- B. 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 11 - DIFFERING SUBSURFACE OR PHYSICAL CONDITIONS

11.01 Differing Conditions Process

- A. If Contractor believes that any subsurface or physical condition including but not limited to utilities or other underground facilities that are uncovered or revealed at the Site either differs materially from that shown or indicated in the Contract Documents or 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), 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. After receipt of written notice, Engineer will promptly:
 - 1. Review the subsurface or physical condition in question;
 - 2. Determine necessity for Owner obtaining additional exploration or tests with respect to the condition;
 - 3. Determine whether the condition falls within the differing site condition as stated herein;
 - 4. Obtain any pertinent cost or schedule information from Contractor;
 - 5. 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
 - 6. Advise Owner in writing of Engineer's findings, conclusions, and recommendations.
- C. After receipt of Engineer's written findings, conclusions, and recommendations, Owner shall issue a written statement to Contractor 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.

ARTICLE 12 - CLAIMS AND DISPUTE RESOLUTION

12.01 Claims Process

- A. The party submitting a claim shall deliver it directly to the other party to the Contract and the Engineer promptly (but in no event later than 10 days) after the start of the event giving rise thereto.
- B. 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. All actions taken on a claim shall be stated in writing and submitted to the other party.

- C. 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 45 days, the claim is deemed denied.
- D. If the dispute is not resolved to the satisfaction of the parties, Owner or Contractor shall give written notice to the other party of the intent to submit the dispute to a court of competent jurisdiction unless the Owner and Contractor both agree to an alternative dispute resolution process.

ARTICLE 13 - TESTS AND INSPECTIONS; CORRECTION OF DEFECTIVE WORK

13.01 Tests and Inspections

- A. Owner and Engineer will 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.
- B. Contractor shall give Engineer timely notice of readiness of the Work for all required inspections and tests, and shall cooperate with inspection and testing personnel to facilitate required inspections and tests. Testing and commissioning services will be provided by Contractor as part of the Work.
- C. If any Work 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 shall be at Contractor's expense.

13.02 Defective Work

- A. Contractor shall ensure that the Work is not defective.
- B. Engineer has the authority to determine whether Work is defective, and to reject defective Work.
- C. Prompt notice of all defective Work of which Owner or Engineer has actual knowledge will be given to Contractor.
- D. The Contractor shall promptly correct all such defective Work.
- E. 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. 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.

ARTICLE 14 - PAYMENTS TO CONTRACTOR

14.01 Progress Payments

- A. The Contractor shall prepare a schedule of values that will serve as the basis for progress payments. The schedule of values will be in a form of application for payment acceptable to Engineer. The unit price breakdown submitted with the bid will be used for unit price work. Break lump sum items into units that will allow for measurement of Work in progress.

14.02 Applications for Payments:

- A. Contractor shall submit an application for payment in a form acceptable to the Engineer, no more frequently than monthly, to Engineer. Applications for payment will be prepared and signed by Contractor. Contractor shall provide supporting documentation required by the Contract Documents. Payment will be paid for Work completed and materials stored on Owner premises as of the date of the application for payment.
- B. Beginning with the second application for payment, each application shall include an affidavit of Contractor stating that all previous progress payments received on account of the Work have been applied on account to discharge Contractor's legitimate obligations associated with prior applications for payment.

14.03 Retainage

- A. The Owner shall retain 5% of each progress payment until the Work is substantially complete subject to the conditions of the Code of Iowa.

14.04 Review of Applications

- A. Within 10 days after receipt of each application for payment, the Engineer will either indicate in writing a recommendation for payment and present the application for payment to Owner or return the application for payment to Contractor indicating in writing Engineer's reasons for refusing to recommend payment. The Contractor will make the necessary corrections and resubmit the application for payment.
- B. Engineer will recommend reductions in payment (set-offs) which, in the opinion of the Engineer, are necessary to protect Owner from loss because the Work is defective and requires correction or replacement.
- C. The Owner is entitled to impose set-offs against payment based on any claims that have been made against Owner on account of Contractor's conduct in the performance of the Work, incurred costs, losses, or damages on account of Contractor's conduct in the performance of the Work, or liquidated damages that have accrued as a result of Contractor's failure to complete the Work.

14.05 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 seven days after the time of payment by Owner.

14.06 Substantial Completion

- A. The Contractor shall notify Owner and Engineer in writing that the Work is substantially complete and request the Engineer issue a certificate of substantial completion when Contractor considers the Work ready for its intended use. 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. Engineer will make an inspection of the Work with the Owner and Contractor to determine the status of completion. If Engineer does not consider the Work substantially complete, Engineer will notify Contractor and Owner in writing giving the reasons therefor.

- C. If Engineer considers the Work substantially complete or upon resolution of all reasons for non-issuance of a certificate identified in 14.06.B, Engineer will deliver to Owner a certificate of substantial completion which shall fix the date of substantial completion and include a punch list of items to be completed or corrected before final payment.

14.07 Final Inspection

- A. Upon written notice from Contractor that the entire Work 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.

14.08 Final Payment

- A. Contractor may make application for final payment after Contractor has satisfactorily completed all Work defined in the Contract, including providing all maintenance and operating instructions, schedules, guarantees, bonds, certificates or other evidence of insurance, certificates of inspection, annotated record documents and other documents.
- B. The final application for payment shall be accompanied (except as previously delivered) by:
 - 1. All documentation called for in the Contract Documents;
 - 2. Consent of the surety to final payment;
 - 3. 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;
 - 4. A list of all disputes that Contractor believes are unsettled; and
 - 5. 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.
- C. 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.

14.09 Waiver of Claims

- A. The making of final payment will not constitute a waiver by Owner of claims or rights against Contractor.
- 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.

ARTICLE 15 - SUSPENSION OF WORK AND TERMINATION

15.01 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 60 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, or both, directly attributable to any such suspension.

15.02 Owner May Terminate for Cause

- A. Contractor's failure to perform the Work in accordance with the Contract Documents or other failure to comply with a material term of the Contract Documents will constitute a default by Contractor and justify termination for cause.
- B. If Contractor defaults in its obligations, then after giving Contractor and any surety ten 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 notice that the Contract is terminated; and
 - 2. Enforce the rights available to Owner under any applicable performance bond.
- C. Owner may not proceed with termination of the Contract under Paragraph 15.02.B if Contractor within seven days of receipt of notice of intent to terminate begins to correct its failure to perform and proceeds diligently to cure such failure.
- D. 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.
- E. In the case of a termination for cause, if the cost to complete the Work, including related claims, costs, losses, and damages, exceeds the unpaid contract balance, Contractor shall pay the difference to Owner.

15.03 Owner May Terminate for Convenience

- A. Upon seven days written notice to Contractor, 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 on account of loss of anticipated overhead, profits, or revenue, or other economic loss arising out of or resulting from such termination.

15.04 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) Owner fails for 30 days to pay Contractor any sum finally determined to be due, then Contractor may, upon seven days written notice to Owner, and provided Owner does not remedy such

suspension or failure within that time, either stop the Work until payment is received, or terminate the Contract and recover payment from the Owner.

ARTICLE 16 - CONTRACTOR'S REPRESENTATIONS

16.01 Contractor Representations

A. Contractor makes the following representations when entering into this Contract:

1. Contractor has examined and carefully studied the Contract Documents, and any data and reference items identified in the Contract Documents.
2. Contractor has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
3. Contractor is familiar with and is satisfied as to all Laws and Regulations that may affect cost, progress, and performance of the Work.
4. 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 Site-related reports and drawings identified in the Contract Documents, with respect to the effect of such information, observations, and documents 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.
5. 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.
6. 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.
7. Contractor has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
8. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
9. Contractor's entry into this Contract constitutes an incontrovertible representation by Contractor that, without exception, all prices in the Contract are premised upon performing and furnishing the Work required by the Contract Documents.

ARTICLE 17 - MISCELLANEOUS

17.01 Cumulative Remedies

- A. The duties and obligations imposed by this Contract 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.

17.02 Limitation of Damages

- A. No provisions of this contract create any liability for Owner, Engineer, nor any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, to Contractor for any claims, costs, losses, or damages sustained by Contractor on or in connection with any other project or anticipated project.

17.03 No Waiver

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

17.04 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 or completion of the Contract or termination of the services of Contractor.

17.05 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.

17.06 Controlling Law

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

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

This Contract will be effective on _____ (which is the Effective Date of the Contract).

OWNER: INDIANOLA MUNICIPAL UTILITIES

CONTRACTOR:

By: _____

By: _____

Title: _____

Title: _____

(If Contractor is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest: _____

Attest: _____

Title: _____

Title: _____

Address for giving notices:

Address for giving notices:

210 WEST 2ND AVE

INDIANOLA, IA 50125

License No.: _____
(where applicable)

(If Owner is a corporation, attach evidence of authority to sign. If Owner is a public body, attach evidence of authority to sign and resolution or other documents authorizing execution of this Contract.)

NOTE TO USER: Use in those states or other jurisdictions where applicable or required.

PERFORMANCE BOND

Contractor Name: [Full formal name of Contractor] Address <i>(principal place of business)</i> : [Address of Contractor's principal place of business]	Surety Name: [Full formal name of Surety] Address <i>(principal place of business)</i> : [Address of Surety's principal place of business]
Owner Name: INDIANOLA MUNICIPAL UTILITIES Mailing address <i>(principal place of business)</i> : 210 WEST 2ND AVE INDIANOLA, IA 50125	Contract Description <i>(name and location)</i> : PLANT SUBSTATION SWITCHGEAR REPLACEMENT PROJECT - INSTALLATION INDIANOLA, IOWA Contract Price: [Amount from Contract] Effective Date of Contract: [Date from Contract]
Bond Bond Amount: [Amount] Date of Bond: [Date] <i>(Date of Bond cannot be earlier than Effective Date of Contract)</i> Modifications to this Bond form: ☐ None ☐ See Paragraph 16	
Surety and Contractor, intending to be legally bound hereby, subject to the terms set forth in this Performance Bond, do each cause this Performance Bond to be duly executed by an authorized officer, agent, or representative.	
Contractor as Principal	Surety
<i>(Full formal name of Contractor)</i> 	<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) Provide supplemental execution by any additional parties, such as joint venturers. (2) Any singular reference to Contractor, Surety, Owner, or other party is considered plural where applicable.</i>	

1. The Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to the Owner for the performance of the Construction Contract, which is incorporated herein by reference.
2. If the Contractor performs the Construction Contract, the Surety and the Contractor shall have no obligation under this Bond, except when applicable to participate in a conference as provided in Paragraph 3.
3. If there is no Owner Default under the Construction Contract, the Surety's obligation under this Bond will arise after:
 - 3.1. The Owner first provides notice to the Contractor and the Surety that the Owner is considering declaring a Contractor Default. Such notice may indicate whether the Owner is requesting a conference among the Owner, Contractor, and Surety to discuss the Contractor's performance. If the Owner does not request a conference, the Surety may, within five (5) business days after receipt of the Owner's notice, request such a conference. If the Surety timely requests a conference, the Owner shall attend. Unless the Owner agrees otherwise, any conference requested under this Paragraph 3.1 will be held within ten (10) business days of the Surety's receipt of the Owner's notice. If the Owner, the Contractor, and the Surety agree, the Contractor shall be allowed a reasonable time to perform the Construction Contract, but such an agreement does not waive the Owner's right, if any, subsequently to declare a Contractor Default;
 - 3.2. The Owner declares a Contractor Default, terminates the Construction Contract and notifies the Surety; and
 - 3.3. The Owner has agreed to pay the Balance of the Contract Price in accordance with the terms of the Construction Contract to the Surety or to a contractor selected to perform the Construction Contract.
4. Failure on the part of the Owner to comply with the notice requirement in Paragraph 3.1 does not constitute a failure to comply with a condition precedent to the Surety's obligations, or release the Surety from its obligations, except to the extent the Surety demonstrates actual prejudice.
5. When the Owner has satisfied the conditions of Paragraph 3, the Surety shall promptly and at the Surety's expense take one of the following actions:
 - 5.1. Arrange for the Contractor, with the consent of the Owner, to perform and complete the Construction Contract;
 - 5.2. Undertake to perform and complete the Construction Contract itself, through its agents or independent contractors;
 - 5.3. Obtain bids or negotiated proposals from qualified contractors acceptable to the Owner for a contract for performance and completion of the Construction Contract, arrange for a contract to be prepared for execution by the Owner and a contractor selected with the Owners concurrence, to be secured with performance and payment bonds executed by a qualified surety equivalent to the bonds issued on the Construction Contract, and pay to the Owner the amount of damages as described in Paragraph 7 in excess of the Balance of the Contract Price incurred by the Owner as a result of the Contractor Default; or
 - 5.4. Waive its right to perform and complete, arrange for completion, or obtain a new contractor, and with reasonable promptness under the circumstances:

- 5.4.1 After investigation, determine the amount for which it may be liable to the Owner and, as soon as practicable after the amount is determined, make payment to the Owner; or
 - 5.4.2 Deny liability in whole or in part and notify the Owner, citing the reasons for denial.
- 6. If the Surety does not proceed as provided in Paragraph 5 with reasonable promptness, the Surety shall be deemed to be in default on this Bond seven days after receipt of an additional written notice from the Owner to the Surety demanding that the Surety perform its obligations under this Bond, and the Owner shall be entitled to enforce any remedy available to the Owner. If the Surety proceeds as provided in Paragraph 5.4, and the Owner refuses the payment, or the Surety has denied liability, in whole or in part, without further notice, the Owner shall be entitled to enforce any remedy available to the Owner.
- 7. If the Surety elects to act under Paragraph 5.1, 5.2, or 5.3, then the responsibilities of the Surety to the Owner will not be greater than those of the Contractor under the Construction Contract, and the responsibilities of the Owner to the Surety will not be greater than those of the Owner under the Construction Contract. Subject to the commitment by the Owner to pay the Balance of the Contract Price, the Surety is obligated, without duplication for:
 - 7.1. the responsibilities of the Contractor for correction of defective work and completion of the Construction Contract;
 - 7.2. additional legal, design professional, and delay costs resulting from the Contractor's Default, and resulting from the actions or failure to act of the Surety under Paragraph 5; and
 - 7.3. liquidated damages, or if no liquidated damages are specified in the Construction Contract, actual damages caused by delayed performance or non-performance of the Contractor.
- 8. If the Surety elects to act under Paragraph 5.1, 5.3, or 5.4, the Surety's liability is limited to the amount of this Bond.
- 9. The Surety shall not be liable to the Owner or others for obligations of the Contractor that are unrelated to the Construction Contract, and the Balance of the Contract Price will not be reduced or set off on account of any such unrelated obligations. No right of action will accrue on this Bond to any person or entity other than the Owner or its heirs, executors, administrators, successors, and assigns.
- 10. The Surety hereby waives notice of any change, including changes of time, to the Construction Contract or to related subcontracts, purchase orders, and other obligations.
- 11. Any proceeding, legal or equitable, under this Bond must be instituted in any court of competent jurisdiction in the location in which the work or part of the work is located and must be instituted within two years after a declaration of Contractor Default or within two years after the Contractor ceased working or within two years after the Surety refuses or fails to perform its obligations under this Bond, whichever occurs first. If the provisions of this paragraph are void or prohibited by law, the minimum periods of limitations available to sureties as a defense in the jurisdiction of the suit will be applicable.
- 12. Notice to the Surety, the Owner, or the Contractor must be mailed or delivered to the address shown on the page on which their signature appears.
- 13. When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the construction was to be performed, any provision in this Bond conflicting with said statutory or legal requirement will be deemed deleted therefrom and provisions conforming to such

statutory or other legal requirement will be deemed incorporated herein. When so furnished, the intent is that this Bond will be construed as a statutory bond and not as a common law bond.

14. Definitions

- 14.1. *Balance of the Contract Price*—The total amount payable by the Owner to the Contractor under the Construction Contract after all proper adjustments have been made including allowance for the Contractor for any amounts received or to be received by the Owner in settlement of insurance or other claims for damages to which the Contractor is entitled, reduced by all valid and proper payments made to or on behalf of the Contractor under the Construction Contract.
 - 14.2. *Construction Contract*—The agreement between the Owner and Contractor identified on the cover page, including all Contract Documents and changes made to the agreement and the Contract Documents.
 - 14.3. *Contractor Default*—Failure of the Contractor, which has not been remedied or waived, to perform or otherwise to comply with a material term of the Construction Contract.
 - 14.4. *Owner Default*—Failure of the Owner, which has not been remedied or waived, to pay the Contractor as required under the Construction Contract or to perform and complete or comply with the other material terms of the Construction Contract.
 - 14.5. *Contract Documents*—All the documents that comprise the agreement between the Owner and Contractor.
15. If this Bond is issued for an agreement between a contractor and subcontractor, the term Contractor in this Bond will be deemed to be Subcontractor and the term Owner will be deemed to be Contractor.
16. Modifications to this Bond are as follows: **None**

PAYMENT BOND

Contractor Name: Address <i>(principal place of business)</i> :	Surety Name: Address <i>(principal place of business)</i> :
Owner Name: INDIANOLA MUNICIPAL UTILITIES Mailing address <i>(principal place of business)</i> : 210 WEST 2ND AVE INDIANOLA, IA 50125	Contract Description <i>(name and location)</i> : PLANT SUBSTATION SWITCHGEAR REPLACEMENT PROJECT - INSTALLATION INDIANOLA, IOWA Contract Price: Effective Date of Contract:
Bond Bond Amount: Date of Bond: <i>(Date of Bond cannot be earlier than Effective Date of Contract)</i> Modifications to this Bond form: ☒ None ☐ See Paragraph 18	
Surety and Contractor, intending to be legally bound hereby, subject to the terms set forth in this Payment Bond, do each cause this Payment Bond to be duly executed by an authorized officer, agent, or representative.	
Contractor as Principal	Surety
<i>(Full formal name of Contractor)</i>	<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) Provide supplemental execution by any additional parties, such as joint venturers. (2) Any singular reference to Contractor, Surety, Owner, or other party is considered plural where applicable.</i>	

1. The Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to the Owner to pay for labor, materials, and equipment furnished for use in the performance of the Construction Contract, which is incorporated herein by reference, subject to the following terms.
2. If the Contractor promptly makes payment of all sums due to Claimants, and defends, indemnifies, and holds harmless the Owner from claims, demands, liens, or suits by any person or entity seeking payment for labor, materials, or equipment furnished for use in the performance of the Construction Contract, then the Surety and the Contractor shall have no obligation under this Bond.
3. If there is no Owner Default under the Construction Contract, the Surety's obligation to the Owner under this Bond will arise after the Owner has promptly notified the Contractor and the Surety (at the address described in Paragraph 13) of claims, demands, liens, or suits against the Owner or the Owner's property by any person or entity seeking payment for labor, materials, or equipment furnished for use in the performance of the Construction Contract, and tendered defense of such claims, demands, liens, or suits to the Contractor and the Surety.
4. When the Owner has satisfied the conditions in Paragraph 3, the Surety shall promptly and at the Surety's expense defend, indemnify, and hold harmless the Owner against a duly tendered claim, demand, lien, or suit.
5. The Surety's obligations to a Claimant under this Bond will arise after the following:
 - 5.1. Claimants who do not have a direct contract with the Contractor
 - 5.1.1. have furnished a written notice of non-payment to the Contractor, stating with substantial accuracy the amount claimed and the name of the party to whom the materials were, or equipment was, furnished or supplied or for whom the labor was done or performed, within ninety (90) days after having last performed labor or last furnished materials or equipment included in the Claim; and
 - 5.1.2. have sent a Claim to the Surety (at the address described in Paragraph 13).
 - 5.2. Claimants who are employed by or have a direct contract with the Contractor have sent a Claim to the Surety (at the address described in Paragraph 13).
6. If a notice of non-payment required by Paragraph 5.1.1 is given by the Owner to the Contractor, that is sufficient to satisfy a Claimant's obligation to furnish a written notice of non-payment under Paragraph 5.1.1.
7. When a Claimant has satisfied the conditions of Paragraph 5.1 or 5.2, whichever is applicable, the Surety shall promptly and at the Surety's expense take the following actions:
 - 7.1. Send an answer to the Claimant, with a copy to the Owner, within sixty (60) days after receipt of the Claim, stating the amounts that are undisputed and the basis for challenging any amounts that are disputed; and
 - 7.2. Pay or arrange for payment of any undisputed amounts.
 - 7.3. The Surety's failure to discharge its obligations under Paragraph 7.1 or 7.2 will not be deemed to constitute a waiver of defenses the Surety or Contractor may have or acquire as to a Claim, except as to undisputed amounts for which the Surety and Claimant have reached agreement. If, however, the Surety fails to discharge its obligations under Paragraph 7.1 or 7.2, the Surety shall indemnify the Claimant for the reasonable attorney's fees the Claimant incurs thereafter to recover any sums found to be due and owing to the Claimant.

8. The Surety's total obligation will not exceed the amount of this Bond, plus the amount of reasonable attorney's fees provided under Paragraph 7.3, and the amount of this Bond will be credited for any payments made in good faith by the Surety.
9. Amounts owed by the Owner to the Contractor under the Construction Contract will be used for the performance of the Construction Contract and to satisfy claims, if any, under any construction performance bond. By the Contractor furnishing and the Owner accepting this Bond, they agree that all funds earned by the Contractor in the performance of the Construction Contract are dedicated to satisfying obligations of the Contractor and Surety under this Bond, subject to the Owner's priority to use the funds for the completion of the work.
10. The Surety shall not be liable to the Owner, Claimants, or others for obligations of the Contractor that are unrelated to the Construction Contract. The Owner shall not be liable for the payment of any costs or expenses of any Claimant under this Bond, and shall have under this Bond no obligation to make payments to or give notice on behalf of Claimants, or otherwise have any obligations to Claimants under this Bond.
11. The Surety hereby waives notice of any change, including changes of time, to the Construction Contract or to related subcontracts, purchase orders, and other obligations.
12. No suit or action will be commenced by a Claimant under this Bond other than in a court of competent jurisdiction in the state in which the project that is the subject of the Construction Contract is located or after the expiration of one year from the date (1) on which the Claimant sent a Claim to the Surety pursuant to Paragraph 5.1.2 or 5.2, or (2) on which the last labor or service was performed by anyone or the last materials or equipment were furnished by anyone under the Construction Contract, whichever of (1) or (2) first occurs. If the provisions of this paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit will be applicable.
13. Notice and Claims to the Surety, the Owner, or the Contractor must be mailed or delivered to the address shown on the page on which their signature appears. Actual receipt of notice or Claims, however accomplished, will be sufficient compliance as of the date received.
14. When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the construction was to be performed, any provision in this Bond conflicting with said statutory or legal requirement will be deemed deleted here from and provisions conforming to such statutory or other legal requirement will be deemed incorporated herein. When so furnished, the intent is that this Bond will be construed as a statutory bond and not as a common law bond.
15. Upon requests by any person or entity appearing to be a potential beneficiary of this Bond, the Contractor and Owner shall promptly furnish a copy of this Bond or shall permit a copy to be made.
16. Definitions
 - 16.1. *Claim*—A written statement by the Claimant including at a minimum:
 - 16.1.1. The name of the Claimant;
 - 16.1.2. The name of the person for whom the labor was done, or materials or equipment furnished;
 - 16.1.3. A copy of the agreement or purchase order pursuant to which labor, materials, or equipment was furnished for use in the performance of the Construction Contract;
 - 16.1.4. A brief description of the labor, materials, or equipment furnished;

- 16.1.5. The date on which the Claimant last performed labor or last furnished materials or equipment for use in the performance of the Construction Contract;
 - 16.1.6. The total amount earned by the Claimant for labor, materials, or equipment furnished as of the date of the Claim;
 - 16.1.7. The total amount of previous payments received by the Claimant; and
 - 16.1.8. The total amount due and unpaid to the Claimant for labor, materials, or equipment furnished as of the date of the Claim.
- 16.2. *Claimant*—An individual or entity having a direct contract with the Contractor or with a subcontractor of the Contractor to furnish labor, materials, or equipment for use in the performance of the Construction Contract. The term Claimant also includes any individual or entity that has rightfully asserted a claim under an applicable mechanic’s lien or similar statute against the real property upon which the Project is located. The intent of this Bond is to include without limitation in the terms of “labor, materials, or equipment” that part of the water, gas, power, light, heat, oil, gasoline, telephone service, or rental equipment used in the Construction Contract, architectural and engineering services required for performance of the work of the Contractor and the Contractor’s subcontractors, and all other items for which a mechanic’s lien may be asserted in the jurisdiction where the labor, materials, or equipment were furnished.
- 16.3. *Construction Contract*—The agreement between the Owner and Contractor identified on the cover page, including all Contract Documents and all changes made to the agreement and the Contract Documents.
- 16.4. *Owner Default*—Failure of the Owner, which has not been remedied or waived, to pay the Contractor as required under the Construction Contract or to perform and complete or comply with the other material terms of the Construction Contract.
- 16.5. *Contract Documents*—All the documents that comprise the agreement between the Owner and Contractor.
17. If this Bond is issued for an agreement between a contractor and subcontractor, the term Contractor in this Bond will be deemed to be Subcontractor and the term Owner will be deemed to be Contractor.
18. Modifications to this Bond are as follows: **NONE**

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Plant Substation Switchgear Replacement Project - Installation

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1.0 PROJECT DESCRIPTION

- 1.1 The Project includes providing materials and performing work necessary to install two automatic, dead-front, pad-mounted switchgear, modifications to existing duct banks and riser structures, and pulling and terminating primary cables at the Plant Substation. The Plant Substation is located within the City of Indianola, Iowa. This project includes furnishing materials, labor, tools, equipment, supervision, and other items necessary to complete the entire project defined in these bid documents.

2.0 SCOPE OF WORK

- 2.1 The drawings, bill of materials, and specifications listed in the Index in Section 00000 are intended to cover all 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, and except for problems with the existing substation schematics and wiring diagrams.
- 2.2 Work generally consists of the following major items of work but is not limited to the items listed below. Refer to drawings for plans and details and definition of the work to the extent possible.
- a. Contractor shall schedule preconstruction meeting within two weeks after receiving Notice to Proceed. Meeting will be held at Indianola Municipal Utilities. A virtual preconstruction meeting will not be acceptable.
 - b. Furnish labor and materials as required.
 - c. At the Plant Substation:
 - 1) Order materials
 - 2) Locate existing ducts.
 - 3) Remove existing feeder exit cables 1, 2, 9, 10, 11, and 12 from the existing duct banks. The cables for feeders 9, 10, 11, and 12 will be saved for reuse.
 - 4) Remove existing concrete surfacing as necessary.
 - 5) Install new duct banks and conduits as shown on the drawings.
 - 6) Install cable racking in existing manhole.
 - 7) Install two precast concrete switchgear pads (provided by owner) as shown on the drawings.
 - 8) Pull medium voltage cables through conduit system and cap ends to prevent moisture ingress while remaining work is completed. (Note: copper tape shielded cables are not expected to be strand filled.)
 - 9) Install one CT cable between each switchgear and the existing control panels in the plant control room.
 - 10) Install one fiber cable between a network switch in each switchgear and a network switch in the fiber head end building.
 - 11) Construct cable risers in so far as practicable while maintaining required electrical isolation.

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- 12) Install switchgear (provided by owner).
- 13) Terminate medium voltage power cables and complete risers.
- 14) Terminate CT cables in plant control room
- 15) Reconnect the 4kV cable risers in the plant substation
- 16) Install permanent conduits between 2.4kV LTC PT on substation steel and transformer control cabinet
- 17) Install permanent connections between 2.4kV LTC PT on substation steel and the substation bus.
- 18) Assist as needed during testing to verify SCADA system additions and deletions
- 19) Check phasing prior to energization and assist as needed during energization.
- 20) Remove temporary overhead connection between the Plant Substation yard and South Riser Structure including one pole and temporary guying in yard, cross arm on south riser structure and one overhead span.
- 21) Remove temporary underground connection to Northwest riser structure.

2.3 Contractor shall test and document phasing before beginning removal work and confirm phasing immediately after reenergizing each transformer and before supplying load.

2.4 Contractor will furnish all equipment and materials required to complete the Work except for the switchgear, switchgear pads, and cables that are to be reused or specifically listed as being provided by owner.

2.5 Contractor shall provide as-built data for the system as installed as described in Section 17839. This shall include red-line notations on drawings to show all field changes.

2.6 Contractor shall submit a detailed sequence of work prior to the preconstruction meeting. This sequence shall include all removal and installation activities, material procurement, and all outage requirements.

3.0 DRAWINGS

3.1 The drawings are, in general, to scale, however, they should not be scaled. Contractor shall only rely on figured dimensions and shall field verify all dimensions prior to beginning work.

3.2 Cable lengths shall be verified prior to cutting cables.

4.0 WORK BY OWNER OR BY OTHERS

4.1 The following work is not a part of this Contract and will be performed by the Owner or others.

- a. Pad-mounted switchgear and switchgear pads have been purchased separately and will be provided to contractor. They will be stored in a warehouse adjacent to the East Iowa Substation at 1300 East Iowa Avenue.

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- b. Owner will hire a testing contractor to load relay settings, test the new relays and switchgear and assist with SCADA integration.
- c. The existing 4kV switchgear will be dismantled and disposed of by others at a later date.

5.0 SCHEDULE

- 5.1 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 October 1st, 2026. Provided the Notice to Proceed is issued on October 1st and the switchgear are delivered by January 1st, 2027, work must be substantially completed and ready for testing by February 1st, 2027. Ground conditions permitting, final Completion must be completed by April 2nd, 2027. Completion date will be adjusted should the switchgear delivery be late or if ground conditions do not permit clean up work at the end of the project. Contractor shall complete the maximum work practical prior to switchgear delivery.
- 5.2 Contractor will cooperate with Owner in scheduling equipment outages. Substantial switching is required to remove load from the transformers and Owner will need to make crews available. A minimum of 1 week's notice is required.
- 5.3 For purposes of preparing their bid, Contractor shall assume work will be permitted normal business days, Monday through Friday, between 7:00 AM and 5:00 PM at the Plant Substation. Requests by Contractor for Owner to permit Contractor personnel that are qualified to work in an energized substation to work outside of these stated hours will be considered by Owner. Owner retains the sole right to grant or deny permission to work outside of the stated hours.
- 5.4 Contractor shall manage and schedule the Work to permit place the switchgear in service as soon as possible and to minimize the length of time needed to complete the project. Owner also strongly desires that both switchgear be available, including testing, commissioning and SCADA integration work performed by others, by late February 2027 to reduce system risks should ice storms occur.
- 5.5 Owner desires that the below grade work be completed by January 1, 2027 to reduce the work that must be completed after the switchgear arrives.

6.0 SEQUENCE OF WORK

- 6.1 Contractor shall be responsible for developing the sequence of work as fits their needs. Contractor shall complete the items listed in 2.2c 1 through 13 prior to delivery of switchgear.
- 6.2 Connection of the CTs in the new switchgear to the existing transformer differential must be coordinated with the activities of the testing contractor and with de-energization of the temporary overhead circuits to avoid the potential for misoperation.

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7.0 MATERIALS

- 7.1 Contractor is to furnish and pay for all materials necessary for the completion of the Work. All materials supplied by Contractor shall be new and unused and shall be as specified in the Bill of Materials and project drawings.
- 7.2 Contractor may arrange with Owner to store materials to be provided by Contractor at the work location.
- 7.3 If the total amount of cable or the quantities of major equipment items actually installed differs from that shown in the Contract Documents an appropriate adjustment will be made in the final Contract Amount.
- 7.4 The Bill of Material is provided solely as a reference and guide for Contractor. All material 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.
- 7.5 It is the responsibility of Contractor to verify all existing conductor and equipment information and data before ordering conductor sensitive hardware, including connectors, sleeves, lugs, terminals, etc. All hardware must be rated by the manufacturer for use with the specific conductor that it is installed on. Owner makes no representation as 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”.
- 7.6 Contractor is responsible for supplying Owner with a list of all equipment 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.
- 7.7 Contractor is responsible for cutting, patching, repairing, and replacing existing concrete surfaces as required to complete the project using persons or firms skilled in the specific trades involved.

8.0 REMOVED MATERIALS

- 8.1 The 4/0 copper tape shielded cable used for existing Feeders 9, 10, 11, and 12 is to be reused. Cable shall be carefully removed in one length, capped at each end, and coiled neatly to permit reuse.
- 8.1 Owner will retain ownership of copper and aluminum wire and cable. Contractor shall neatly store scrap wire and cable in locations designated by owner.
- 8.2 Owner will designate as other materials are removed which shall be saved for future reuse. The contractor will be responsible for disposing of all removed scrap materials.

9.0 SITE AND OTHER AREAS

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9.1 Contractor shall confine his operations to the substation and control room sites described in the drawings.

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 medium voltage (5 and 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. Contractor shall take all necessary steps to protect the existing facilities and maintain them so that they do not interfere with or pose a danger to either the new construction, Contractor activities, Contractor's Personnel, 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 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.

10.3 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 OUTAGES

11.1 The existing 4kV switchgear and feeder exit cables have been deenergized. All other equipment is to remain energized to the extent practical, except during scheduled equipment outages. All equipment outages required for the execution of the Work shall be kept to the shortest time duration possible.

11.2 Any and all required equipment outages shall be scheduled and coordinated with Owner in advance of the expected date of the outage.

11.3 The main outage to remove the temporary circuits and cutover to the new switchgear shall be limited to 14 calendar days. This will be extended on a day for day basis should both parties agree that extreme weather prevents work.

11.4 Owner will evaluate proposed outage requests for feasibility given weather conditions and anticipated load but will not unreasonably deny requested outages.

12.0 SWITCHING

12.1 All switching required for the prosecution of the Work will be performed by Owner.

13.0 TESTING

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13.1 Switchgear testing and commissioning will be performed by others.

14.0 LOW VOLTAGE CONTROL WIRING

- 14.1 Wiring diagrams showing connection of the CT circuits to the existing transformer differential relay will be provided during construction.
- 14.2 All wiring shall be 600 volt, crosslink polyethylene insulated, Type SIS, No. 12 (65 strand) switchboard wire.
- 14.3 All wiring to Electroschwitch rotary switches and lockout relays shall be spirally bundled around the switch to allow the switch to be “rolled” out of the panel for future wiring changes.
- 14.4 All wires shall be kept as short as practical with no excess wire coiled up or looped in the wire ducts. All wiring shall be neatly and carefully installed by workmen skilled in such installation.
- 14.5 Cables and wires shall be installed and terminated in accordance with this section as noted on the drawings.
- 14.6 All wires shall be kept as short as practical with no excess wire coiled up or looped in the wire ducts. All wiring shall be neatly and carefully installed by workmen skilled in such installation.
- 14.7 Wires shall be terminated with insulated ring type insulated lugs, securely crimped. Ring lug terminals shall be Thomas & Betts or Burndy. NOTE: No slotted terminal connectors shall be used. Use of non-approved lugs may result in rejection of work and complete retermination of all wiring
- 14.8 Sufficient care shall be exercised in the use of crimp-on terminal connectors to insure that each wire is firmly attached to the connector and that proper wire strip length, as determined by the lug manufacturer, is followed. Conductor insulation shall be squarely and evenly cut and shall be continuous with the connector barrel.
- 14.9 Only controlled-cycle compression tools supplied by the manufacturer of the ring lug being used are acceptable. Use of compression tools not supplied by the ring lug manufacturer may result in rejection of work and complete retermination of all wiring.
- 14.10 Install special cables as required.
- 14.11 All wiring or cables that are disconnected shall be completely removed from wireways and wire looms. Disconnected wiring shall not be left in the relay panels.

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14.12 If large wire sizes require use of non-insulated lugs, cover lug barrel with 600V heat shrink tubing.

14.13 See Section 337243 for control cable purchase and installation specifications.

END OF SECTION 01000

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1.0 TRENCHING AND EXCAVATIONS

- 1.1 Open trenching will be allowed. Trenches and equipment installation pits shall be excavated as necessary to maintain the specified cover over the installed cable and conduit. If the bottom of the trench contains objectionable 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 (for direct buried conduits) or crushed rock (for concrete encased duct) prior to the conduit being laid in place. This work has to be authorized by the Owner prior to commencing the work, and will be considered to be additional work.
- 1.2 The cable route followed by Contractor shall be as shown on the drawings. Contractor shall be responsible for staking and furnishing the detailed layout. 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 and IMU personnel 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. Contractor shall locate existing duct banks prior to commencing work.
- 1.6 All open trenches for direct buried conduit or cable 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.
- 1.7 Contractor shall document existing conditions of all areas to be excavated, and of areas that might be subject to damage from Contractor's equipment, including streets, driveways, sidewalks, and lawns in the work area. Documentation must include photos showing any prior damage. Photos must include meta-data showing the date and time the photo was taken.

2.0 CABLE AND CONDUIT INSTALLATION

- 2.1 See Paragraph 17.0 for requirements for concrete encased ducts.
- 2.2 Conduits shall be sized as shown on the drawings. Any discrepancies or ambiguous entries must be brought to the attention of the Owner and resolved prior to installation.

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- 2.3 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 - 42 inches
 - b. Secondary power cable and conduit – 36 inches
- 2.4 All PVC couplings and fittings must be assembled using solvent and procedures recommended by the conduit supplier.
- 2.5 Where transitions are made between PVC conduits with different wall thickness, the conduit with the thicker wall must be reamed to provide a smooth transition for cable pulling.
- 2.6 All transitions between PVC and HDPE conduits, and all couplings between HDPE conduits shall be made with mechanical clamps. Fittings that are bonded to the HDPE conduit by glue or solvent cement are not allowed.
 - 2.6.1 Conduits with a nominal diameter of less than 2" shall be connected with DuraLine Split-Lock+ couplings, DuraLine Part No. 200039xx.
 - 2.6.2 Conduits with a nominal diameter of 2" or larger shall be connected with DuraLine MOR Clamps.
 - 1) 2" conduit – DuraLine Part No. 20002849
 - 2) 3" conduit – DuraLine Part No. 20001520
 - 3) 4" conduit – DuraLine Part No. 20002857
- 2.7 Conduits installed by open trenching, including all concrete encased duct and short sections of conduit between adjacent equipment or between equipment and riser poles shall be Sch 40 PVC per UL651 and NEMA TC-2, unless otherwise shown or with agreement of Owner.
- 2.8 The portion of underground conduit that extends above grade (commencing a minimum of 6" below grade) must be PVC Sch 80 or rigid steel as shown on the drawings.
- 2.9 Bends in direct buried Sch 40 PVC conduit shall be made as described in Paragraph 17.8.
- 2.10 The minimum radius of below grade elbows with greater than 15 deg angle shall be as follows.
 - a. Conduits for installation of fiber cables – 18"
 - b. Conduits for installation of secondary cables – 18"
 - d. Conduits for installation of 4/0 primary cable – 36"
- 2.11 Couplings and other fittings must be approved by the Owner prior to installation.
- 2.12 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

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elbows where the pulling line exits from the conduit run.

- 2.13 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.
- 2.14 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.
- 2.15 Existing 4/0 copper tape shielded cables used for feeders 9, 10, 11, and 12 shall be carefully removed from existing ducts and saved for reuse.
- 2.16 4/0 Copper tape shielded cables provided by owner will be provided from existing stock on reels with the following approximate length on each reel: 310 ft, 380 ft, 416 ft. The cable length per reel is approximate. Note that the 4/0 and 350 kcmil primary cable will be wound with three (3) parallel cables on each reel.
- 2.17 Contractor shall develop a cable usage plan for the 4/0 copper tape shielded cable and submit to owner prior to cutting cables.
- 2.18 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. 4/0 copper tape shielded cable is not water blocked.

3.0 NOT USED

4.0 BACKFILL AND TAMPING

- 4.1 Backfill for trench or other excavation shall be mechanically tamped earth containing no objectionable 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 for areas not under pavement, and 95% of its standard proctor density for areas under pavement.
- 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.
- 4.4 Backfill and compaction of trenches under paving must comply with the applicable portions of Section 3010 (Trench Excavation and Backfill) of the SUDAS Standard Specifications, available at <https://intrans.iastate.edu/app/uploads/sites/15/2020/02/3010.pdf>
- 4.5 It is expected that all excavated materials will be suitable for backfilling. If the excavated material is not suitable, Contractor will be responsible for disposing of the unsuitable material

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and for providing suitable material in compliance with the referenced SUDAS specification. This will be considered as Extra Work.

- 4.6 Trench backfill above concrete encased duct, extending from the top of the concrete encasement to the local grade level, must comply with Sections 2.01 through 2.04, 3.01 through 3.04, 3.05A, and 3.05.E of the referenced SUDAS specification.
- 4.7 Contractor shall provide testing services in accordance with Section 3.06 of the referenced SUDAS Specifications for all backfill below street or alley paving. The cost of this testing is to be included in the Base Bid. No separate payment will be made.

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 may be marked with one tag per circuit.
- 5.2 All cables are to be tagged using impressable aluminum tags, Amekron Impress-o-tag industrial data markers (<https://www.amazon.com/Aluminum-Plant-Outdoor-Marker-Labels/dp/B00TQMQ4TO>). All lettering shall be neat and clearly readable.
- 5.3 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 terminated in a three phase compartment (switchgear, junction cabinets, 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. 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 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 and/or shield 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 All connectors including, bolted, compression or shear bolt connectors and lugs are to be installed by carefully following the manufacturer's instructions. Contact Engineer to resolve questions to conflicts before proceeding.
- 6.8 Before installing any connector, splice, lug, or terminal, the conductor shall be verified by inspection and by measurement to ensure that the connector matches the conductor size and type.
- 6.9 Shear bolt connectors must be installed per manufacturer's instructions using tools that develop adequate torque to shear the connector bolt cleanly and quickly. It is not acceptable to use a conventional wrench to shear the connector bolts. Any installation technique that results in

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bending or deforming the cable conductor at the end of the connector will not be acceptable.

- 6.10 Use a clean, dry stainless steel brush to abrade the outside surface of the conductor over the entire length that will be inserted into the compression or shear bolt connector. Wipe brushed conductor clean with a cloth dampened with cleaner fluid. Do not allow the brush to come into contact with any metal item other than the aluminum conductor. Store the brush in a closed plastic container.
- 6.11 For compression connectors only (does not apply to shear bolt connectors) insert the conductor into the connector far enough to cover the conductor with a layer of joint compound or use a separate container of joint compound (Item ID 90250). Brush the coated aluminum surface through the inhibitor coating using a stainless steel brush. This brush must not be used for any other purpose and must be stored in a closed plastic container separate from the dry use brush.
- 6.12 Insert the conductor into the compression or shear bolt sleeve, ensuring that it is fully inserted to the recommended depth. DO NOT remove any of the joint compound that is supplied in the connector barrel. Complete the connector compression or shear the bolts following the connector manufacturer's instructions.
- 6.13 Clean any excess inhibitor from the connector area, using care to not leave any residue on the surface of the cable insulation.

7.0 EQUIPMENT BASES

- 7.1 Contractor shall install a new pre-cast concrete box pad for each new pad mounted 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) unless otherwise directed by pre-cast supplier. Conduit entries must be placed to facilitate cable pulling.

8.0 TRANSFORMERS

- 8.1 Not Used.

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 and tape shield tails and neutral conductors are to be connected to the ground bus or ground wire as

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shown on the drawings using copper compression connectors, leaving sufficient slack for normal cable operations.

- 9.4 Primary (4kV) cables in pad mounted transformers, junction cabinets, and other dead front equipment are to be terminated with 600 amp dead break elbows. Slack cable is to be coiled in the basement pad to allow for a minimum of 2 extra terminations.
- 9.5 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.

10.0 OTHER EQUIPMENT

- 10.1 Aluminum and ACSR line wires shall normally be tied to insulators using pre-formed spiral wrap ties. Bare wrap ties shall be used for all bare conductors. Plastic line ties shall be used for covered conductors. Jumper wires (both copper and aluminum) and copper line wires shall normally be tied to insulators using hand ties. Tie wire shall be fully annealed, of material to match the line conductor. Bare tie wire shall be used for bare conductors, and covered tie wire used for covered conductors. Tie wire for #4 and smaller conductor shall be #6 AWG, for #2 conductor shall be #4 AWG, and for larger than #2 conductor shall be #2 AWG. Hand ties shall be made in accordance with generally accepted industry practices as described in The Lineman's and Cableman's Handbook, Ninth Edition.

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.
- 11.4 Perform high-current ground grid injection tests on all new grounding leads connected to the ground grid system:
 - a. Document test locations by marking up a copy of the ground grid plan. Number all test points and enter numbers on test report.
 - b. Use all necessary safety precautions prior to performing this testing, especially in an energized substation. On all ground conductors, current flow is likely even when no fault

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exists. During fault conditions, extremely high fault current can flow through the station ground grid, resulting in extremely high voltages. Due to the long cable lengths and the possibility of high step potential, all personnel working with or in contact with the test leads must wear low-voltage rubber gloves.

- c. Two measurements shall be taken. The first shall use the transformer neutral as reference. The second shall use the substation ground grid in the transformer yard. In large stations, the reference connection may need to be moved. Begin a new test report for each reference connection. Describe reference connection point on test report.
- d. Test leads must not be coiled at any time during testing.
- e. If equipment or structures have two ground leads, lift one when possible before injecting current. Multiple leads provide multiple paths to the grid, making interpretation of results very difficult.
- f. Inject a minimum of 100 amps on each switchgear ground loop, and the neutral at each riser. Measure voltage difference between the ground grid in the transformer yard
- g. Enter test point number, amps injected, volts measured on test form.
- h. Calculate total test impedance by dividing volts by amps and enter on test report.
- i. Measure tare impedance of test leads and enter on test report.
- j. Subtract tare impedance from total test impedance to determine actual impedance and enter on test report.

12.0 FUSING

12.1 Not Used.

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. See special requirements in Paragraph 4.4 for backfill compaction in areas subject to traffic.
- 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.

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- 14.5 If streets or other concrete covered areas 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 Paragraphs 2.2c and 8.0 of Section 01000.
- 15.2 The existing 4kV switchgear will be removed by others at a future date.
- 15.3 The temporary overhead span between the transformer yard and south riser structure will be removed by contractor.

16.0 SERVICE RECONNECTIONS

- 16.1 Not Used.

17.0 CONCRETE ENCASED DUCT

- 17.1 All conduits located under paving, except where shown otherwise on the drawings, shall be installed as concrete encased duct banks. Duct banks shall be installed by open trenching, with controlled spacing between individual conduits, and with entire conduit assembly encased in a concrete envelope with specified composition and strength.
- 17.1.1 Lateral extensions off the concrete encased duct shall be encased in concrete where under paving, or if the length of the extension beyond the paving limits is less than 10 ft. Concrete encasement is not required for the portion of extensions that are more than 10 ft from the paving edge.
- 17.1.2 Lateral extensions of less than 30 ft beyond the edge of the paving may be installed by open trenching.
- 17.1.3 Conduits that extend for more than 30 ft beyond the edge of paving shall be installed by directional boring unless open trenching is authorized by the Owner for specific locations.
- 17.2 All trenches shall be wide enough to provide ample room for workmen engaged in handling and installing ducts. When practical, excavation for duct banks shall precede duct bank installation by at least 50 lineal feet in order to allow adjustments to grades required by unknown underground obstructions.
- 17.3 Compact the bottom of the trench enough to insure a smooth level surface to support duct installation and to insure the required concrete cover thicknesses are met. If the bottom of the trench contains objectionable rocks or other hard, rough, or sharp materials, or if the trench

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bottom is too soft to provide adequate support for the duct the trench shall be over-excavated and backfilled with a 6 inch layer of crushed rock foundation material. This work has to be authorized by the Owner prior to commencing the work, and will be considered to be Extra Work.

- 17.4 All excavations and/or trenches shall be maintained in the dry. The Contractor shall provide, install, operate and maintain such dewatering capacities and systems that may be necessary. The cost for such dewatering shall be included in Contractor's proposal and no separate or additional compensation will be made.
- 17.5 Contractor shall provide support for all utility lines that pass over the proposed duct bank. The support shall be satisfactory to the Owner and to the utility involved.
- 17.6 Warning tape shall be placed approximately 12" above the duct bank. 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.
- 17.7 All concrete encased conduit shall be Sch 40 PVC per UL651 and NEMA TC-2, unless otherwise shown or with agreement of Owner.
- 17.8 All PVC couplings and fittings must be assembled using solvent and procedures recommended by the conduit supplier.
- 17.9 All transitions between PVC and HDPE conduits, and all couplings between HDPE conduits shall be made with mechanical clamps. Fittings that are bonded to the HDPE conduit by glue or solvent cement are not allowed.
 - 2.18.1 Conduits with a nominal diameter of 2" or smaller shall be connected with DuraLine Split-Lock+ couplings, DuraLine Part No. 200039xx.
 - 2.18.2 Conduits with a nominal diameter of 2" or larger shall be connected with DuraLine MOR Clamps.
 - 1) 2" conduit – DuraLine Part No. 20002849
 - 2) 3" conduit – DuraLine Part No. 20001520
 - 3) 4" conduit – DuraLine Part No. 20002857
- 17.10 Conduit elbows and bends shall be as follows. PVC elbows and couplings must match the size and type of the adjacent conduit. Fiberglass elbows must comply with all requirements of NEMA TC-14 for Thermosetting Resin Conduit (RTRC) and fittings and must be UL 2420 Listed for below-ground installation.
 - 17.10.1 No field bending of conduits will be permitted except for long sweeping curves or as specifically authorized by Owner.
 - 17.10.2 Changes in direction or alignment of up to 10 deg may be made with 5 deg PVC couplings matching the size and type of the adjacent conduit.

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17.10.3 Bends of 15 deg may be made using PVC sweep ells with a minimum radius of 36", matching the size and type of the adjacent conduit. All couplings must be PVC and must match the size and type of the adjacent conduit.

17.10.4 Bends of more than 15 deg must be made using fiberglass elbows, with a minimum radius as follows.

- a. Conduits for installation of fiber cables – 18"
- b. Conduits for installation of secondary cables – 18"
- d. Conduits for installation of primary cable – 36"

All fiberglass elbows used with PVC conduit must include factory installed PVC couplings bonded to the fiberglass material. Additional couplings may only be installed on fiberglass conduits or elbows in the field using materials and procedures recommended by the manufacturer of the fiberglass conduit, and only with the prior approval of the Owner.

17.11 The trench sides may be used for forming the concrete encasement when suitable. Excavation must be performed carefully to provide the required encasement without undue bulk that would impede the future installation of other utilities. If the excavated trench is not suitable for use as the concrete form, or when the duct bank is being installed in close proximity to existing foundations, utilities, duct lines, or future underground structures, the sides of the concrete encasement are to be formed.

17.12 A minimum of 3 inches of concrete cover must be maintained on all sides, top, and bottom of the duct bank. A minimum of 1.5" of clearance must be maintained between all adjacent conduits within the duct bank.

17.13 Factory-fabricated rigid PVC interlocking spacers shall be used to maintain spacing between conduits. Spacers shall be sized for the type and sizes of ducts with which used, and selected to provide the minimum duct spacings required while supporting ducts during concrete placement. Additional spacers and supports needed to accommodate non-standard combinations of sizes and arrangements may be fabricated from PVC shapes and must adequately secure the conduits. Minor deviations from the conduit arrangement shown in the drawings are allowable, as long as the required spacing and general arrangement of the conduits is maintained. Only non-metallic ties may be used to secure conduits to spacers.

17.14 The assembled duct bundle must be securely staked to the trench bottom to prevent floating during concrete placement. Steel or non-metallic posts or stakes may be used on both sides of the duct bank, with a single steel, copper, or non-metallic wire or tape between the stakes, over the top of the duct bundle. No metallic ties are allowed between individual ducts or below the duct bundle. All wood or fibrous materials must be removed prior to backfilling.

17.15 Duct spacers must be placed sufficiently close together to maintain the required clearances and to prevent sagging and deforming of ducts during concrete placement. The use of not less than 4 spacers per 20 feet of duct will generally be adequate, but additional spacers may be required in areas of conduit transitions or changes in duct alignment or elevation.

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- 17.16 Concrete must be placed carefully to avoid separation of aggregate or deformation of the conduit bundle. Concrete should be placed along the sides of the bundle and allowed to rise through the spaces between individual conduits to ensure full encasement. Power driven agitating equipment may be used, but extreme care must be taken to avoid damage to conduits.
- 17.17 Cold joints must be reinforced as shown in the drawings.
- 17.18 All conduits must be verified immediately after concrete placement by pulling a rigid mandrel sized for a minimum fill of 80% of the conduit area (based on the conduit nominal inside diameter) through each conduit. Any conduits that cannot be verified must be cleared or replaced to the satisfaction of the Owner.
- 17.19 A pulling tape must be installed in all ducts. Tape shall be polyester or aramid with a minimum width of 0.5" and a minimum breaking strength of 1250 lb.
- 17.20 Concrete encasement shall be a Controlled Low Strength Material (CLSM) with a 28 day compressive strength target value of 1000 psi. If an aggregate is used in the formulation, it shall be river rock with a maximum size of $\frac{3}{4}$ ".
- 17.17.1 One set of compressive test cylinders shall be made for the CLSM used in the project for the first batch delivered each day. Water shall not be added to the mix after the test cylinders have been made.
- 17.20.2 Each set of test cylinders shall consist of two specimens. The first cylinder shall be tested at three day's age. The second cylinder shall be tested at 28 day's age. All test reports must be submitted to the Owner immediately after the tests are completed.
- 17.20.3 If any of the three day tests indicate that the mix strength may deviate substantially from the target value, no additional concrete shall be installed until the cause of the deviation is identified and corrected, and agreement has been reached with the Owner on disposition of the potentially defective concrete.
- 17.21 The preferred cover for concrete encased duct banks is 42" for duct banks containing primary cable and 36" for duct banks containing communications and/or secondary cables. This must be maintained unless underground obstacles prevent. In areas with concrete surfacing, the minimum cover over the top of the duct bank shall be sufficient to allow a minimum 6" layer of crushed rock between the top of the duct bank and the bottom of the surface layer. Contact Owner and/or Engineer prior to proceeding if this is not feasible or to resolve discrepancies.

18.0 CAST IN PLACE MANHOLE INSTALLATION

18.1 NOT USED

End of Section 16402

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Plant Substation Switchgear Replacement Project - Installation
Section 16910 – Materials

1.0 PROJECT MATERIAL

- 1.1 The Bill of Material included on E1251-010 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 for primary (4 kV) cable 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.
- 1.8 E1251-010 includes the bill of materials for the distribution portion of the project. Materials required inside the plant transformer yard are shown on drawing E1251-660.

END OF SECTION 16910

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Plant Substation Switchgear Replacement Project - Installation
Section 017839 – Project Record Documents

SECTION 017839 - PROJECT RECORD DOCUMENTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for project record documents, including the following:
 - 1. Record Drawings.
 - 2. Record Product Data.
 - 3. Miscellaneous record submittals.

PART 2 - PRODUCTS

2.1 RECORD DRAWINGS

- A. Record Prints: Maintain one set of marked-up paper copies of the Contract Drawings and Shop Drawings, incorporating new and revised drawings as modifications are issued.
 - 1. Preparation: Mark record prints to show the actual installation where installation varies from that shown originally. Require individual or entity who obtained record data, whether individual or entity is Installer, subcontractor, or similar entity, to provide information for preparation of corresponding marked-up record prints.
 - a. Give particular attention to information on concealed elements that would be difficult to identify or measure and record later.
 - b. Accurately record information in an acceptable drawing technique.
 - c. Record data as soon as possible after obtaining it.
 - 2. Content: Types of items requiring marking include, but are not limited to, the following:
 - a. Dimensional changes to Drawings.
 - b. Revisions to details shown on Drawings.
 - c. Locations and depths of underground utilities.
 - d. Revisions to routing of conduits.
 - e. Revisions to electrical circuitry.
 - f. Actual equipment locations.

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Section 017839 – Project Record Documents

- g. Changes made by Change Order or Work Change Directive.
 - h. Changes made following Engineer's written orders.
 - i. Details not on the original Contract Drawings.
 - j. Discrepancies in the original Contract Drawings.
 - k. Field records for variable and concealed conditions.
 - l. Record information on the Work that is shown only schematically.
- 3. Mark the Contract Drawings and Shop Drawings completely and accurately. Use personnel proficient at recording graphic information in production of marked-up record prints.
- 4. Mark record sets with red-colored pencil or pen. Use other colors to distinguish between changes for different categories of the Work at same location.
- 5. Mark important additional information that was either shown schematically or omitted from original Drawings.
- 6. Note Construction Change Directive numbers, Change Order numbers, and similar identification, where applicable.

2.2 TESTING DOCUMENTATION

- A. Testing Documentation: Provide test logs and test reports as described in Section 337233.19.

PART 3 - EXECUTION

3.1 RECORDING AND MAINTENANCE

- A. Recording: Maintain one copy of each submittal during the construction period for project record document purposes. Post changes and revisions to project record documents as they occur; do not wait until end of Project.
- B. Maintenance of Record Documents: Store record documents in the field office apart from the Contract Documents used for construction. Do not use project record documents for construction purposes. Maintain record documents in good order and in a clean, dry, legible condition, protected from deterioration and loss. Provide access to project record documents for Engineer's reference during normal working hours.
- C. Existing substation drawings are incomplete and have inconsistencies. Contractor shall document errors discovered while tracing wiring and their resolution on the red-line drawing sets.

END OF SECTION 017839

INDIANOLA MUNICIPAL UTILITIES
Plant Substation Switchgear Replacement Project - Installation
Section 337243 – Substation Control Conductors and Cables

SECTION 337243 – SUBSTATION CONTROL CONDUCTORS AND CABLES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Control wires and cables.

1.3 DEFINITIONS

- A.

ANSI	American National Standards Institute.
ASTM	American Society for the Testing of Materials
ICEA	Insulated Cable Engineers Association
IEEE	Institute of Electrical and Electronics Engineers
NEMA	National Electric Manufacturers Association
NFPA	National Fire Protection Association
UL	Underwriters Laboratories

1.4 SUBMITTALS

- A. Product Data: For each type of product indicated.

1.5 QUALITY ASSURANCE

- A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
- B. Comply with NFPA 70.

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Section 337243 – Substation Control Conductors and Cables

PART 2 - PRODUCTS

2.1 CONDUCTORS AND CABLES

- A. Copper Conductor: Stranded, bare (per ASTM B3) or tinned (per ASTM B33) copper. Stranding shall be per ASTM B8 class B (7 strand) or class C (19 strand).
- B. Multi-conductor Control Cable:
1. Service Conditions: Designed for service at a maximum continuous operating temperature of 90 degrees C in dry and damp locations or 75 degrees C in wet locations. All control cables shall be suitable for installation in conduits, ducts, trays, or direct buried. Cables shall be resistant to damage from heat, flame, moisture, oil, sunlight, and mechanical abrasion which can occur in an electrical substation environment.
 2. Multi-conductor Control Cable: Rated 600 volt, Type TC, and meet the requirements of ICEA S-73-532. Individual conductors shall be stranded copper with a minimum of 30 mils of cross-linked polyethylene flame-retardant insulation. The insulated conductors shall have an overall jacket. The jacket shall be black in color and a minimum of 60 mils of a flame retardant material. When required, the cable shall include a 5 mil corrugated copper tape shield, applied longitudinally.
 3. Multi-conductor Color Code: Per ICEA Method 1, Table K-2. Color codes shall be as follows for control circuits and DC supply circuits:

4 and 12 Conductor Cables

Conductor Number	Base Color	Tracer Color
1	Black	
2	Red	
3	Blue	
4	Orange	
5	Yellow	
6	Brown	
7	Red	Black
8	Blue	Black
9	Orange	Black
10	Yellow	Black
11	Brown	Black
12	Black	Red

2 Conductor Cables

Conductor Number	Base Color
1	Black
2	Red

4. Multi-conductor Color Code: Per ICEA Method 1, Table K-2. Color codes shall be as follows for AC supply circuits:

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Section 337243 – Substation Control Conductors and Cables

4 Conductor Cables

Conductor Number	Base Color
1	Black
2	White
3	Red
4	Green

- C. Twisted Pair Control Cable (where required): Rated 300 volts, Type PLTC. Individual conductors shall be stranded copper with a polyvinyl chloride or cross-linked polyethylene flame-retardant insulation. The insulated conductor assembly shall be covered with a shield and have an overall jacket. The jacket shall be flame retardant.
- D. Internal Panel or Equipment Wiring For Field Installation: 600 volt, #12 AWG, 65 strand, copper wire with cross-linked polyethylene, type SIS insulation. Color to be gray unless noted otherwise on the drawings.

2.2 ACCESSORIES

- A. Lugs: Non-Insulated ring type insulated lugs. Ring lug terminals shall be Thomas & Betts or Burndy. NOTE: No slotted (spade type) terminal connectors shall be used.
- B. Cable Identification Tags: Panduit part no. SSM2S-C, SSM2S-D or approved equal. Tags shall be hand lettered using an ultrafine point, black ink, permanent marking pen as manufactured by Sharpie or approved equal.
- C. Cable Ties: Black plastic, weather and ultraviolet resistant, Panduit type PLT or approved equal.
- D. Wire Labels: All wires shall be labeled at both ends with heat shrink machine-printed markers. Each marker shall clearly indicate the exact individual wire designation as shown on the cable connection diagrams. Non-heat shrink markers may be permitted on a case-by-case basis upon request. Markers shall face out and will be labeled to be read with minimal effort.
- E. Cable Shield Bond Connections: Tyco Electronics Termi-Foil terminals and splices for aluminum or copper foil or strip, catalog no. 329254, with barrel for #10-#12 AWG wire. Install Termi-Foil connectors with Tyco Electronics Termi-Foil Hand Crimping Tool, catalog no. 68026.
- F. Terminations on Phoenix Terminal Blocks: When required by the manufacturer, use ferrules manufactured by Phoenix Contact, correctly sized for the conductor to be landed on that terminal.

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Section 337243 – Substation Control Conductors and Cables

PART 3 - EXECUTION

3.1 INSTALLATION OF CONTROL CABLES

- A. All wiring between the various pieces of equipment shall be installed as shown on the plans. All wiring shall be enclosed in raceway, cable trays, or wireways of the size specified on the plans or as approved by Engineer.
- B. The Cable Schedule, which is included in the drawings, lists power, control, and communications cables necessary for this installation. The Schedule shows the endpoints of each circuit, the number of conductors, size of the conductors, and the approximate lengths. The lengths are not cutting lengths, but are included only as an aid in laying out the circuits.
- C. Cable jackets shall be removed using the appropriate cable tool which has a settable cutter adjusted so as not to damage the conductor insulation. Conductor insulation shall be removed using the appropriate stripping tool adjusted so as not to damage the wire strands. Knives shall not be used on any cables. Any cables or wire damaged during installation shall be replaced at Contractor's expense.
- D. No cable shall be installed until the conduits for the particular cable runs have been completely installed, thoroughly cleaned and mandreled.
- E. Use pulling means, including fish tape, cable, rope, and basket-weave wire/cable grips, that will not damage cables or raceway. Cable lubricants recommended by the cable manufacturer may be used as an aid to the pulling of cable. Grease or other materials harmful to cable insulation shall not be allowed.
- F. All cables in each conduit shall be pulled simultaneously, using cable grips and swivels or other devices subject to the approval Engineer. Cable tension shall not exceed the maximum tension recommended by the cable manufacturer. Cables shall always be protected from mechanical injury and from moisture at the unprotected ends.
- G. Conductors shall be continuous from terminal to terminal. No splices will be permitted.
- H. Care must be taken not to have the conductors pulled tight or kinked in the conduits or boxes. Where control wires from more than one conduit pass through a common pull box, the group of wires from each conduit shall be bound together with tie wraps spaced at six inch intervals.
- I. All cable and wire shall be installed in a workmanlike manner. Cables shall be neatly trained, without interlacing, in all trays and boxes. Sufficient lengths of cable shall be pulled into equipment panels, boxes, etc., to permit a neat arrangement. Groups of control wires carried in the same conduit to a terminal block or like termination point shall, after leaving the conduit, be formed and firmly, but not tightly, tied with cable tie wraps.
- J. Cable forming shall be done in a manner that will not permit sharp bends over conduit bushings. The bending radius in any cable shall not be less than the minimum bending radius recommended by the cable manufacturer. Damaged or out-of-place cable shall be replaced at the Contractor's expense.

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- K. Multi-conductor cable jackets shall be removed as required to train and terminate the conductors. In control cabinets, the cable jacket shall be left on the cable, as far as possible, to the point of the first conductor branch. At relay panels the cable jackets shall be removed to within 3 inches of the entrance to the panel or, in the case of existing substations, removed in a manner similar to existing cable jackets. Cables shall be clamped or secured in a manner to avoid tension on individual conductors or terminals. Spare conductors shall be left long enough to reach any terminal.
- L. Insulated conductors from which the jacket is removed shall be neatly trained in bundles and the bundle firmly but not tightly tied, using cable tie wraps made for this purpose. The individual conductors, including all spare conductors, of the cables shall be unlaced prior to tying in bundles.
- M. Identify all cables at terminations and in all pull boxes. Cable tags shall bear the corresponding cable number shown on the Cable Schedule. Cable numbers shall be written legibly with a permanent marker.
- N. Use manufacturer-approved pulling compound or lubricant where necessary; compound used must not deteriorate conductor or insulation. Do not exceed manufacturer's recommended maximum pulling tensions and sidewall pressure values.
- O. Arrange cables in parallel and fasten each cable in place as required to maintain cables in parallel runs.
- P. Install all jumpers as shown on wiring and connection diagrams.
- Q. Bundle cables in the cable tray where the cables pass from the tray to relay panels so that they can pass through one opening in the tray at each side of the relay panel.
- R. Install dropout fittings to protect communications cables at exits from communication cable tray to relay panels.
- S. All communication cables that extend from relay panel to relay panel or from a relay panel to equipment located elsewhere within the control building shall be installed in the overhead communication cable tray.

3.2 WIRE TERMINATIONS

- A. Extra care shall be exercised in the use of crimp-on terminal connectors to make certain that each wire is firmly attached to the connector. Use only controlled cycle compression tools supplied by the manufacturer of the ring lug being used (Thomas & Betts or Burndy). Conductor insulation shall be squarely and evenly cut and it shall be continuous with the connector barrel.
- B. Cable shields, when present, shall be terminated by connecting the drain wire or corrugated copper tape shield to a ground bus with a compression terminal. Approved termination methods for corrugated tape shields include Tyco Electronics Termini-foil terminals (installed with controlled-cycle compression tools manufactured expressly for that purpose) and the BSW Floating Bond manufactured by Electric Motion Company, Inc. Cable shields may be

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Section 337243 – Substation Control Conductors and Cables

terminated at one or both ends depending on the application and on the substation design. The proper method will be noted on the drawings or defined in the Special Conditions.

- C. Solderless ring-type terminal lugs shall be used to connect all wires #8 AWG and smaller to studs.
- D. Terminations on larger conductors shall have at least two indentations.
- E. Wires terminated on Phoenix terminal blocks shall have the correct size of Phoenix ferrule installed to prevent individual strands from straying and making contact with adjacent wires and terminals.
- F. Wire sizes larger than #8 AWG terminating on 30A (GE EB25 type) terminal blocks, will require a Burndy narrow tongue lug. Where large wire sizes require use of non-insulated lugs, cover lug barrel with 600V heat shrink tubing. Strand shaving is not acceptable.

3.3 ACCESSORIES

- A. Identify all cables at terminations and in all pull boxes. Cable tags shall bear the corresponding cable number shown on the Cable Schedule. Cable numbers shall be written legibly with a permanent marker.

3.4 REMOVALS

- A. All cables and wires that are disconnected and not reused shall be completely removed from panels, wireways, and wire looms.

END OF SECTION 337243

**INDIANOLA MUNICIPAL UTILITIES
PLANT SWITCHGEAR REPLACEMENT
Bill of Material**

Engineers' Item ID	Description	Typical Mfg	Typical Cat. No.	Acceptable to Substitute Y/N	Source	U/M	Total Required	Qu Supplied by Owner	Supplied by Contractor
02235	Crossarm, fiberglass, 10 ft, without mounting bkt	PUPI	T2000-120-05	N	Contractor	ea	1		1
02239	Crossarm, fiberglass, 8 ft, with tangent mount	PUPI	TB2000-0960-3x2	N	Contractor	ea	1		1
02270	Crossarm, fiberglass, 18 ft, with 2 steel mounting brackets	PUPI	BX30002167052	N	Contractor	ea	6		6
05014	Wire, Tie, Al or Cu; bare or covered, per specs				Contractor	ft	90		90
05041	Wire, #4 solid copper, SD, bare				Contractor	ft	226		226
05042	Wire, #2 solid copper, SD, bare				Contractor	ft	24		24
05047	Wire, #4/0 str copper, Class B (19 str), SD, bare				Contractor	ft	192		192
05473	Wire, #4 str cu, type THHN/THWN				Contractor	ft	16		16
05476	Wire, #2/0 str cu, type THHN/THWN				Contractor	ft	611		611
05478	Wire, #4/0 str cu, type THHN/THWN				Contractor	ft	356		356
05614	Cable, 15kV, #4/0 str Al, 220 mil				Owner	ft	396	396	
05633	Cable, 15kV, #4/0 str Cu., 220 mil, shielded				Owner	ft	1,832	1,832	
05862	Cable, 600 v, 10-4 Cu w/ grnd, Type TC, for direct burial				Contractor	ft	600		600
05875	Wire, #12 str, Cu, THHN/THWN				Contractor	ft	54		54
07060	Cable, fiber optic, toneable drop, 4 SM fibers	Superior/Essex	66T00431BB	N	Contractor	ft	500		500
10041	Bracket, "L", with bolts and back plate	MacLean	J24712	Y	Contractor	ea	12		12
10043	Bracket, "L", with bolts and two "L" brackets	Maclean	J24670	N	Contractor	ea	6		6
10055	Bracket, Cable Positioner	Hubbell	CCS-820	Y	Contractor	ea	12		12
10102	Pin, cross arm, 5/8" x 5-3/4" shank, 1" nylon threads	MacLean	J206Z	Y	Contractor	ea	6		6
10379	U-guard, 5" plastic, 10 ft section	Electrical Materials	PE-5UG10	Y	Contractor	ea	2		2
10393	U-guard base adapter, 2-6" conduit - 2-6" U-guard, Poly	Electrical Materials	PEAD2-6	Y	Contractor	ea	1		1
10404	Rod, ground, 5/8" x 10', copperweld	Eritech	615803	Y	Contractor	ea	6		6
10410	Molding, ground wire, 1/2" plastic	MacLean	PM128	Y	Contractor	ft	2		2
10424	Tie, plastic, 0.32" x 35", UV resistant	T&B	TY53510MX	Y	Contractor	ea	36		36
12003	Bolt, machine, 5/8" galvanized, various lengths	Hughes	B6x-x	Y	Contractor	ea	20		20
12211	Bolt, 18-8 or 316 stainless, 1/2"-13 x 1-1/2", Fully Threaded				Contractor	ea	15		15
12212	Bolt, 18-8 or 316 stainless, 1/2"-13 x 2", Fully Threaded				Contractor	ea	48		48
12255	Lag screw, 1/2" X 4"	Hughes	LS-54	Y	Contractor	ea	3		3
12261	Lag screw, washer head, 1/4" x 2"	EMC	106M	Y	Contractor	ea	42		42
12362	Nut, 1/2" Alloy 651, 655 or 661 silicon bronze				Contractor	ea	48		48

**INDIANOLA MUNICIPAL UTILITIES
PLANT SWITCHGEAR REPLACEMENT
Bill of Material**

Engineers' Item ID	Description	Typical Mfg	Typical Cat. No.	Acceptable to Substitute Y/N	Source	U/M	Total Required	Qu Supplied by Owner	Supplied by Contractor
12403	Locknut, 5/8" galvanized	Hughes	MF60	Y	Contractor	ea	20		20
12503	Washer, square, flat, 5/8", 2-1/4"x2-1/4" galvanized	Hughes	SW2-1/4-60- 3/16	Y	Contractor	ea	30		30
12505	Washer, square, curved, galvanized, 5/8"	Hughes	CW60	Y	Contractor	ea	10		10
12532	Washer, Belleville, stainless, 1/2", 1.142" OD, 4700 lb	MW Industries	SSP-291325	Y	Contractor	ea	48		48
12542	Washer, stainless, flat, round, 1/2" USS, 1.375" OD, 0.109" tk				Contractor	ea	111		111
12550	Staple, ground wire, 2" x 5/8"	MacLean	J7672	Y	Contractor	ea	60		60
12566	Channel, 1-5/8"x1-5/8", galvanized	B-Line	B22HDG	Y	Contractor	ft	10		10
12579	Clamp, pipe, strut mounted, 5", galvanized	B-Line	B2019-HDG	Y	Contractor	ea	6		6
12902	Grip, wire mesh, double eye, closed mesh, 2.50- 2.99"	Hubbell/Kellems	02201010	Y	Contractor	ea	3		3
14013	Lug, transformer grounding, 2/0-250 kcmil Cu clamp with 2" bolt, nut & flat washer	T&B/Homac	2709-1-25-V1 KIT	N	Contractor	ea	8		8
14067	Lug, compression, copper, 2 hole, 4/0 Cu	Burndy	YA28-2N	Y	Contractor	ea	24		24
14211	Connector, comp grd, 1/2-5/8" rod or 1/0-250 kcmil to #4 sol - #2 str	Burndy	YGHP29C2	N	Contractor	ea	8		8
14214	Connector, comp grd, 1/2-5/8" rod or 3/0-250 kcmil to 3/0-250 kcmil	Burndy	YGHC29C29	N	Contractor	ea	21		21
14217	Connector, comp grd, #6sol-2str to #6sol-2str	Burndy	YGHC2C2	N	Contractor	ea	27		27
14222	Connector, copper crimpit, 3/0-4/0 to #6 sol-2 str	Burndy	YC28C2	Y	Contractor	ea	16		16
14228	Connector, copper crimpit, 2/0-4/0 to 2/0-4/0	T&B	CF4040-1	Y	Contractor	ea	3		3
14237	Connector, comp grd, 1/2-5/8" rod or 3/0-250 kcmil to #6-2/0	Burndy	YGHC29C26	N	Contractor	ea	30		30
14256	Connector, copper crimpit, #6 sol-4 str to #6 sol-4 str	Burndy	YC4C4	N	Contractor	ea	35		35
14257	Connector, copper crimpit, #2 sol/str to #8 sol-#4 str	Burndy	YC2C4	Y	Contractor	ea	3		3
14264	Connector, Al compression, H-tap, 4/0 Str/ACSR to #6-#1Str/ACSR	Burndy	YHD-250	Y	Contractor	ea	3		3
14266	Connector, Al compression, H-tap, 3/0-4/0 Str/ACSR to #1-2/0 Str/ACSR	Burndy	YHD-350	Y	Contractor	ea	1		1
14267	Connector, Al compression, H-tap, 3/0-4/0 Str/ACSR to 3/0-4/0 Str/ACSR	Burndy	YHD-400	Y	Contractor	ea	14		14
14465	Connector, bolted grd, #4-4/0 Cu to 4-5" IPS, direct bury rated	Burndy	GAR3905-BU	Y	Contractor	ea	9		9
16001	Insulator, 15 kV pin, porcelain, F-neck	Victor	6R	Y	Contractor	ea	6		6

**INDIANOLA MUNICIPAL UTILITIES
PLANT SWITCHGEAR REPLACEMENT
Bill of Material**

Engineers' Item ID	Description	Typical Mfg	Typical Cat. No.	Acceptable to Substitute Y/N	Source	U/M	Total Required	Qu Supplied by Owner	Supplied by Contractor
18001	Arrester, surge, 2.55 kV MCOV, dist class, w/o XA bkt	Cooper	URT0304-0A1A-1A1A	Y	Contractor	ea	12		12
35145	Conduit spacer, 2" conduit, 2" spacing	Carlton	S288JJN	Y	Contractor	ea	14		14
35151	Conduit spacer, 5" conduit, 2" spacing	Carlton	S288PJN	Y	Contractor	ea	44		44
35171	Conduit Terminator, 5" conduit size, 7.63" spacing, 6" wall, 2 ducts	Formex Manufacturing	T5A2-2020-6SW	Y	Contractor	ea	4		4
35172	Conduit Terminator, 2" conduit size, 4.56" spacing, 6" wall, 2 ducts	Formex Manufacturing	T2A2-2020-6SW	Y	Contractor	ea	1		1
35203	Conduit, PVC, Sch. 40, 2"	Carlton	49011	Y	Contractor	ft	110		110
35208	Conduit, PVC, Sch. 40, 5"	Carlton	49016	Y	Contractor	ft	300		300
35247	Sweep, 90 deg, PVC Sch 40, 5", 36" R	Carlton	UA9FPB	Y	Contractor	ea	13		13
35256	Sweep, 45 deg, PVC Sch 40, 5" 36" R	Carlton	UA7FPB	Y	Contractor	ea	1		1
35267	Sweep, 90 deg, PVC Sch 40, 2", 36" R.	Carlton	UA9FJB	Y	Contractor	ea	2		2
35280	Sweep, 30 deg, PVC Sch 40, 2", 24" R	Carlton	UA6DJ	Y	Contractor	ea	2		2
35287	Sweep, 30 deg, PVC Sch 40, 5" 36" R	Carlton	UA6FP	Y	Contractor	ea	10		10
35360	Conduit, liquid tight, metallic, 2"				Contractor	ft	12		12
35379	Coupling, 2" rigid galvanized conduit				Contractor	ea	8		8
35503	Coupling, 2" PVC Sch 40	Carlton	E940J	Y	Contractor	ea	10		10
35509	Coupling, 5" PVC Sch 40	Carlton	E940P	Y	Contractor	ea	60		60
35513	Bell end, PVC Sch 40, 2"	Carlton	E997J-CAR	Y	Contractor	ea	6		6
35518	Bell end, PVC Sch 40, 5"	Carlton	E997P	Y	Contractor	ea	14		14
35569	Connector, box, metal seal-tight, straight, 2"	T&B	5337-SG	Y	Contractor	ea	8		8
35573	Adapter, threaded female, PVC Sch 40, 2"	Carlton	E942J	Y	Contractor	ea	4		4
35576	Adapter, threaded female, PVC Sch 40, 5"	Carlton	E942P	Y	Contractor	ea	4		4
35600	Guard post cover, yellow, for 4" rigid galvanized steel conduit 52"	Innoplast	BC452YN	Y	Contractor	ea	6		6
35604	Conduit, 2" Rigid or Intermediate Galvanized Steel				Contractor	ft	10		10
35605	Conduit, 5" Rigid or Intermediate Galvanized Steel				Contractor	ft	60		60
35606	Conduit, 4" Rigid or Intermediate Galvanized Steel				Contractor	ft	60		60
35611	Sweep, 90 degree, 5" rigid or intermediate galvanized steel				Contractor	ea	4		4
35617	Sweep, 90 degree, 2" rigid or intermediate galvanized steel				Contractor	ea	4		4
35858	Bushing, insulating Malleable Iron, 5"	Appleton	BU500I	Y	Contractor	ea	3		3
40030	Seal, cable jacket, cold shrink, 1.94" ID	3M	8452	Y	Contractor	ea	3		3
40033	Metallic shield adapter and cable jacket seal kit, cold shrink 1.270" - 2.170 OD	Cooper	SA3		Owner	ea	27	27	

**INDIANOLA MUNICIPAL UTILITIES
PLANT SWITCHGEAR REPLACEMENT
Bill of Material**

Engineers' Item ID	Description	Typical Mfg	Typical Cat. No.	Acceptable to Substitute Y/N	Source	U/M	Total Required	Qu Supplied by Owner	Supplied by Contractor
40110	Terminator, 5/8kV, 220 mil, 4/0 str Al, JCN Outdoor, with shear bolt connector	3M	7642-S-2 w/ QL2-A-2-250		Owner	ea	3	3	
40111	Terminator, 5/8kV, 220 mil, 4/0 str Cu, shielded outdoor, with shear bolt connector	3M	7622-S-2 w/ QL2-A-2-250		Owner	ea	15	15	
41011	Elbow, 600 amp, 15 kV, 4/0 Al, 220 mil	Richards	62LCN2HR1AC		Owner	ea	3	3	
41060	Elbow, 600 amp, 15 kV, 4/0 Cu, 220 mil	Richards	62LCN2HR1BC		Owner	ea	15	15	
41065	Elbow, 600 amp, 15 kV, 500 kcmil Cu, 175 mils	Richards	62LCN2KR3DD		Owner	ea	12	12	
41110	Connecting plug, 15 kV, 600 amp	Cooper	DCP625A		Owner	ea	6	6	
56313	Switchgear, pad mtd, dead front, 13 kV, 600 amp, 1 sw, 3 breaker	Federal Pacific	PSV		Owner	ea	2	2	
58077	Pad, box, pre-cast, for swgr, 4 way 600 amp				Owner	ea	2	2	
58120	Handhole, 24"x36"x30"; Tier 22, open bottom, with prov for bolted cvr	Hubbell	PG2436BA30		Owner	ea	1	1	
58173	Handhole cover, 24"x36"; Tier 22, with logo "FIBER OPTIC"	Hubbell	PG2436HH0021		Owner	ea	1	1	
90101	Tape, vinyl, 1.5" x 36 yd	3M	Super 33+	N	Contractor	rl	8		8
90106	Tape, insulating, linerless, 1.5" x 30'	3M	130C	N	Contractor	rl	8		8
90201	Concrete, and reinforcing materials, per drawing and specs				Contractor	lot	1		1
90204	Rock, per drawings and specs				Contractor	lot	1		1
90360	Tape, UG warning, 3" x 1000 ft, 4 mil, plastic	Empire / Seton	Shieldtec 22- 126 / 60847	Y	Contractor	rl	1		1
90406	Foam, duct sealing, fire block, 24 oz can, 1800 cu in	Touch'n Seal	4004528712	Y	Contractor	ea	4		4
90811	Cable rack stanchion, 36"	UG Devices	CR36-B	N	Contractor	ea	3		3
90813	Cable rack arm, 20"	UG Devices	RA20	N	Contractor	ea	9		9
90815	Arm lock	UG Devices	HDL	N	Contractor	ea	9		9
90817	1/2-13 Drop in Anchor, Stainless Steel	UG Devices	FSRM-12	N	Contractor	ea	15		15
90818	Flat washer, 0.562" ID, 1.25" OD, 0.78 Thick, Stainless Steel	UG Devices	FFW316-18-40	N	Contractor	ea	15		15



INDIANOLA MUNICIPAL UTILITIES
PLANT SWITCHGEAR ADDITION
DRAWING INDEX AND PROJECT VICINITY

GENERAL

ISSUE	ATT	DRAWING	REV	SIZE	TITLE
IFB	X	E1251-002	A	22x34	DRAWING INDEX AND PROJECT VICINITY

DOCUMENTS

ISSUE	ATT	DRAWING	REV	SIZE	TITLE
IFB	X	E1251-035	A	22x34	CONDUIT SCHEDULE
IFB	X	E1251-040	A	22x34	CABLE LENGTHS

SCHEMATICS

ISSUE	ATT	DRAWING	REV	SIZE	TITLE
IFB	X	E1251-200	A	22x34	POWER ONE-LINE DIAGRAM

LAYOUTS

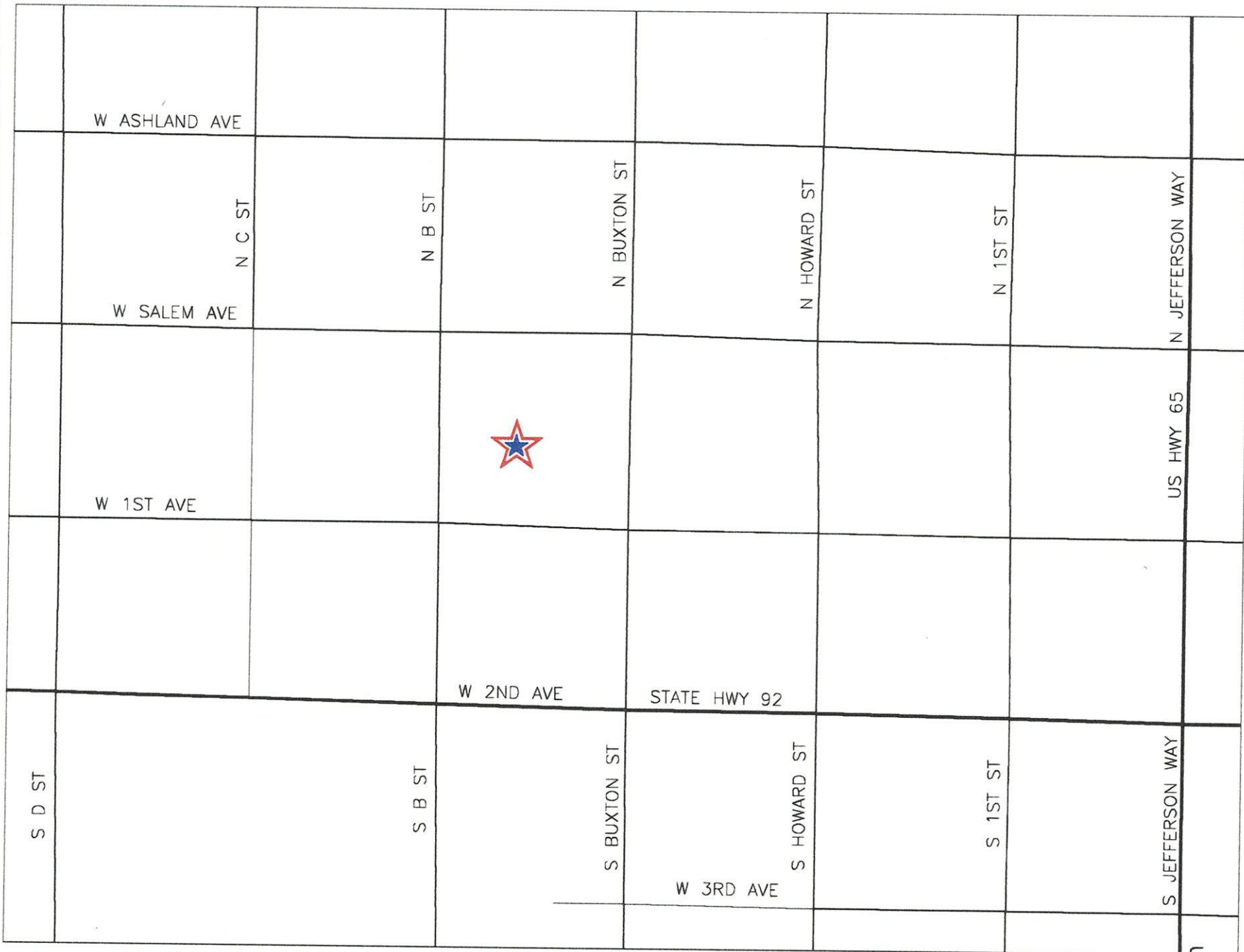
ISSUE	ATT	DRAWING	REV	SIZE	TITLE
IFB	X	E1251-300	B	22x34	TRENCH & EQUIPMENT LOCATION PLAN - REMOVAL
IFB	X	E1251-310	B	22x34	TRENCH & EQUIPMENT LOCATION PLAN - ADD
IFB	X	E1251-320	B	22x34	CABLE ROUTING PLAN

DETAILS

ISSUE	ATT	DRAWING	REV	SIZE	TITLE
IFB	X	E1251-600	A	22x34	CONDUITS, EQUIPMENT BASES & GROUNDING - PLAN VIEW
IFB	X	E1251-602	A	22x34	CONDUITS, EQUIPMENT BASES & GROUNDING - SECTION VIEW
IFB	X	E1251-604	A	22x34	CONDUIT SECTIONS - SHEET 1
IFB	X	E1251-606	B	22x34	CONDUIT SECTIONS - SHEET 2
IFB	X	E1251-630	A	22x34	SWITCHGEAR INSTALLATION
IFB	X	E1251-646	A	22x34	FIBER HANDHOLE DETAIL
IFB	X	E1251-650	A	22x34	RISER POLE DETAILS - SOUTH RISER REMOVAL
IFB	X	E1251-651	B	22x34	RISER POLE DETAILS - SOUTH RISER ADD - FEEDERS 10,11 AND 12
IFB	X	E1251-652	B	22x34	RISER POLE DETAILS - SOUTH RISER ADD - FEEDERS 10,11 AND 12
IFB	X	E1251-653	A	22x34	RISER POLE DETAILS - WEST RISER REMOVAL
IFB	X	E1251-654	A	22x34	RISER POLE DETAILS - WEST RISER ADD - FEEDERS 1 & 2
IFB	X	E1251-655	A	22x34	RISER POLE DETAILS - NORTH EAST RISER REMOVAL
IFB	X	E1251-656	A	22x34	RISER POLE DETAILS - NORTH EAST RISER ADD - FEEDER 3
-		E1251-660	-	22x34	SUBSTATION CONNECTIONS

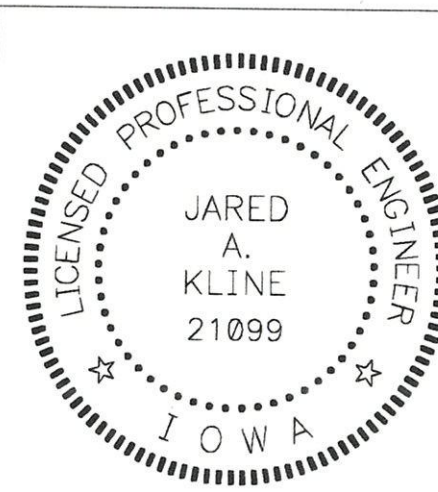


PROJECT LOCATION
WARREN CO. IOWA



VICINITY ROADS
INDIANOLA IOWA

ADDRESS:
111 S BUXTON ST
INDIANOLA IA, 50125



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PAGES OR SHEETS COVERED BY THIS SEAL:
All Documents listed on Index Page E1251-002

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P & E ENGINEERING CO.
POWER SYSTEM ANALYSIS AND DESIGN

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Suite 100 pe@peengr.com
Des Moines, IA 50309

REV
A

DWG NO

E1251-002

INDIANOLA MUNICIPAL UTILITIES
PLANT SWITCHGEAR ADDITION
Conduit Schedule

Conduit	From	To	Size	Type	New/Existing	Cable
C01	EXISTING MANHOLE	SW1	5"	PVC Sch 40	New	F02
C02	EXISTING MANHOLE	SW1	5"	PVC Sch 40	New	Sub Feed 1
C03	EXISTING MANHOLE	SW2	5"	PVC Sch 40	New	Sub Feed 3
C04	EXISTING MANHOLE	SW1	5"	PVC Sch 40	New	F01
C05	EXISTING MANHOLE	SW1	5"	PVC Sch 40	New	Sub Feed 2
C06	EXISTING MANHOLE	SW2	5"	PVC Sch 40	New	Sub Feed 4
C07	EXISTING MANHOLE	SW1	2"	PVC Sch 40	New	10/4 TRAY CABLE
C08	SW1	FIBER HANDHOLE	2"	PVC Sch 40	New	FIBER
C09	EXISTING MANHOLE	SW2	2"	PVC Sch 40	New	10/4 TRAY CABLE
C10	SW2	FIBER HANDHOLE	2"	PVC Sch 40	New	FIBER
C11	EXISTING MANHOLE	TRANSCLOSURE CABINET	5"	PVC Sch 40	New	F01
C12	EXISTING MANHOLE	TRANSCLOSURE CABINET	5"	PVC Sch 40	New	F02
C13	SW2	RISER POLE 3	5"	PVC Sch 40	New	F10
C14	SW2	RISER POLE 3	5"	PVC Sch 40	New	F12
C15	SW1	RISER POLE 3	5"	PVC Sch 40	New	F11
C16	SW2	RISER POLE 2	5"	PVC Sch 40	New	F08
C17	SW1	SW2	5"	PVC Sch 40	New	NONE
C18	SW1	SW2	5"	PVC Sch 40	New	NONE
C19	EXISTING MANHOLE	SW GEAR BUILDING	5"		Existing	4/0 THHN GROUND
C20	EXISTING MANHOLE	SW GEAR BUILDING	5"		Existing	10/4 TRAY CABLE x2
C21	EXISTING MANHOLE	SW GEAR BUILDING	5"		Existing	NONE
C22	EXISTING MANHOLE	SW GEAR BUILDING	5"		Existing	NONE
C23	EXISTING MANHOLE	SW GEAR BUILDING	5"		Existing	NONE
C24	EXISTING MANHOLE	SW GEAR BUILDING	5"		Existing	NONE

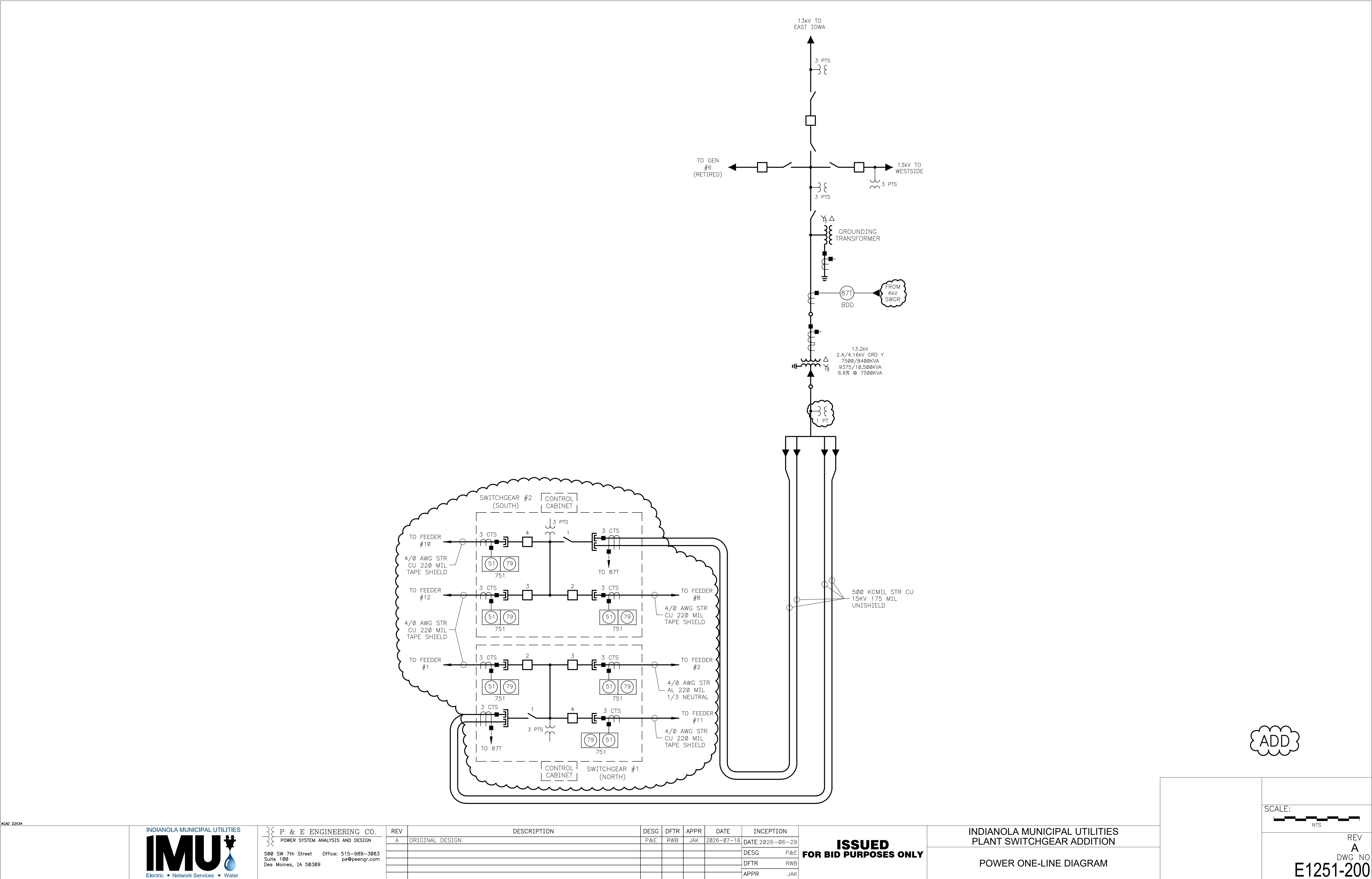
INDIANOLA MUNICIPAL UTILITIES
PLANT SWITCHGEAR ADDITION
Cable Lengths

Power Cables													
Name	Circuit	From	To	Length, Ft.	Riser End 1	Riser End 2	Installed Circuit Length	Term End 1	Term End 2	10% Addder	Purchased Circuit Length	Conductor Type	Neutral Conductor
Sub Feed 1	SUB	SUB	SW1				Cut existing				-	500 Kcmil Cu Unishield	4/0 THHN
Sub Feed 2	SUB	SUB	SW1				Cut existing				-	500 Kcmil Cu Unishield	4/0 THHN
Sub Feed 3	SUB	SUB	SW2				Cut existing				-	500 Kcmil Cu Unishield	4/0 THHN
Sub Feed 4	SUB	SUB	SW2				Cut existing				-	500 Kcmil Cu Unishield	4/0 THHN
F01	1	SW1	RP1	55	20	35	110	5	5	12	132	4/0 AWG Cu Tape Shield	2/0 THHN
F02	2	SW1	RP1	55	20	35	110	5	5	12	132	4/0 AWG AL JCN 1/3 Neutral	
F11	11	SW1	RP3	45	20	35	100	5	5	11	121	4/0 AWG Cu Tape Shield	2/0 THHN
F08	8	SW2	RP2	40	20	35	95	5	5	11	116	4/0 AWG Cu Tape Shield	2/0 THHN
F10	10	SW2	RP3	45	20	35	100	5	5	11	121	4/0 AWG Cu Tape Shield	2/0 THHN
F12	12	SW2	RP3	45	20	35	100	5	5	11	121	4/0 AWG Cu Tape Shield	2/0 THHN
		Total		285			615				743		

Control Cable and Ground Wire													
Name	Circuit	From	To	Length, Ft.	Riser End 1	Riser End 2	Installed Circuit Length	Term End 1	Term End 2	10% Addder	Purchased Circuit Length	Conductor Type	
CC1	-	SW1	SW BUILDING	200	20	20	240	0	0	24	264	#10-4C TRAY CABLE UN-SHIELDED	
CC2	-	SW2	SW BUILDING	200	20	20	240	0	0	24	264	#10-4C TRAY CABLE UN-SHIELDED	
GR	-	EXISTING MANHOLE	SW BUILDING	180	20	20	220	0	0	22	242	4/0 AWG THHN	
		Total		400			480				770		

INDIANOLA MUNICIPAL UTILITIES
PLANT SWITCHGEAR ADDITION
Cable Lengths

Summary				
Conductor Type	Voltage	Cond./ Circuit	Total purchase circuit length	Total Conductor
4/0 AWG AL JCN 1/3 Neutral	15 kV	3	132	396
4/0 AWG Cu Tapesield	15 kV	3	611	1,832
2/0 THHN	600V	1	611	611
#10-4C TRAY CABLE UN-SHIELDED	600V	1	528	528
4/0 THHN	600V	1	242	242



ADD

ACAD 22634



P & E ENGINEERING CO.
POWER SYSTEM ANALYSIS AND DESIGN
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Suite 100 Des Moines, IA 50309 pe@peengr.com

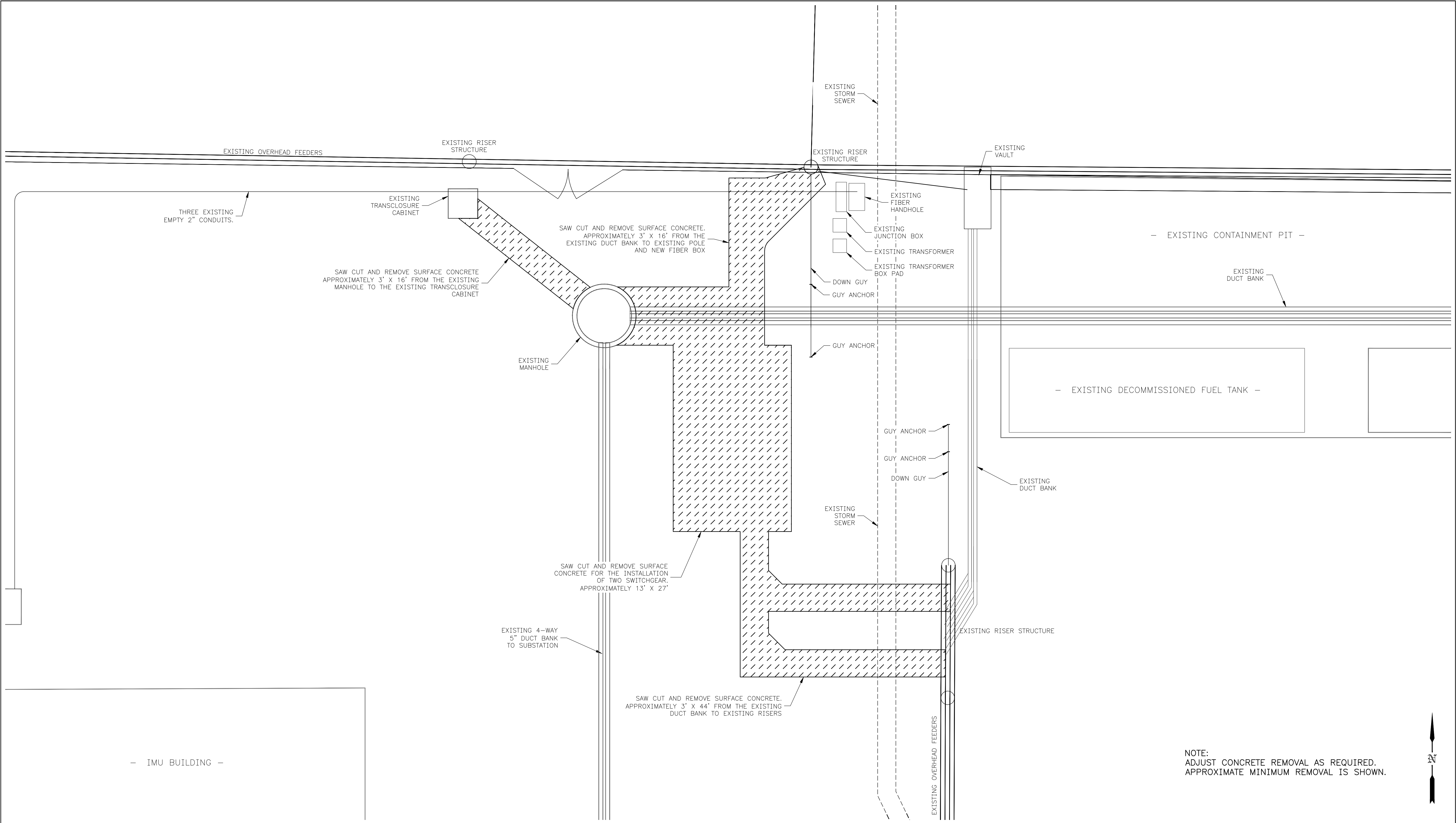
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						DFTR RWB
						APPR JAK

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INDIANOLA MUNICIPAL UTILITIES
PLANT SWITCHGEAR ADDITION
POWER ONE-LINE DIAGRAM

SCALE:
NTS

REV
A
DWG. NO
E1251-200



ACAD: 22234

INDIANOLA MUNICIPAL UTILITIES



Electric • Network Services • Water

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POWER SYSTEM ANALYSIS AND DESIGN

500 SW 7th Street Suite 100 Des Moines, IA 50309

Office: 515-989-3083 pe@peengr.com

REV	DESCRIPTION	DESIGNED BY	DATE	INCEPTION
B	REVISED ROUTING	P&E	2026-08-06	DATE 2026-06-29
A	ORIGINAL DESIGN	P&E	2026-07-16	

ISSUED

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INDIANOLA MUNICIPAL UTILITIES

PLANT SWITCHGEAR ADDITION

TRENCH & EQUIPMENT LOCATION PLAN

REMOVAL

SCALE:

0

5'

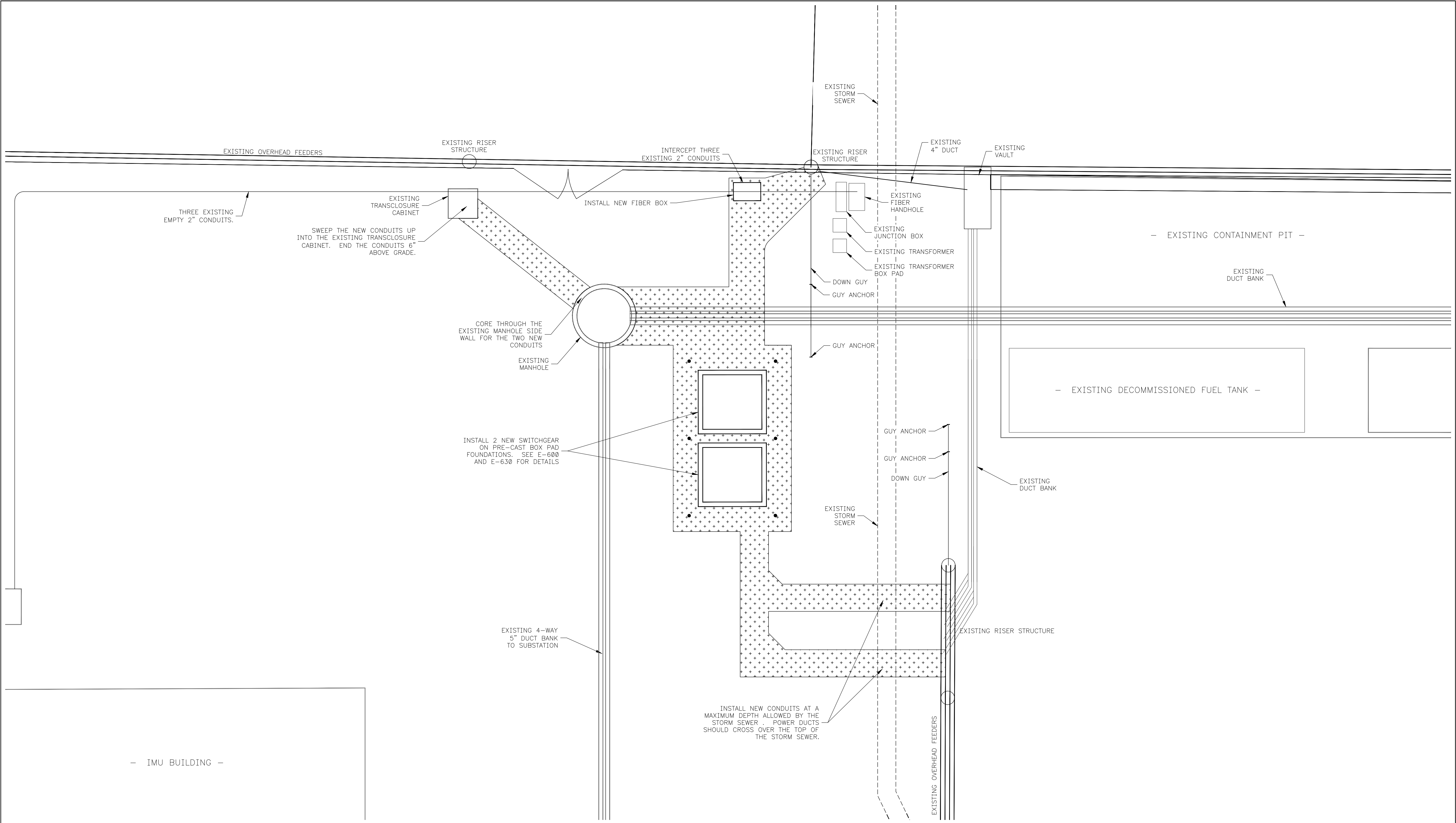
10'

REV B

DWG. NO

E1251-300

Page 139 of 158



ACAD: 22234



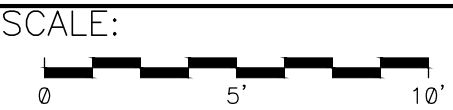
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Office: 515-989-3083
pe@peengr.com

REV	DESCRIPTION	DESIGNED BY	DESIGNED FOR	APPROVED BY	DATE	INCEPTION
B	REVISED ROUTING	P&E	DRP	JAK	2026-08-06	DATE 2026-06-29
A	ORIGINAL DESIGN	P&E	RWB	JAK	2026-07-16	DESIGNED BY P&E
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						APPROVED BY JAK

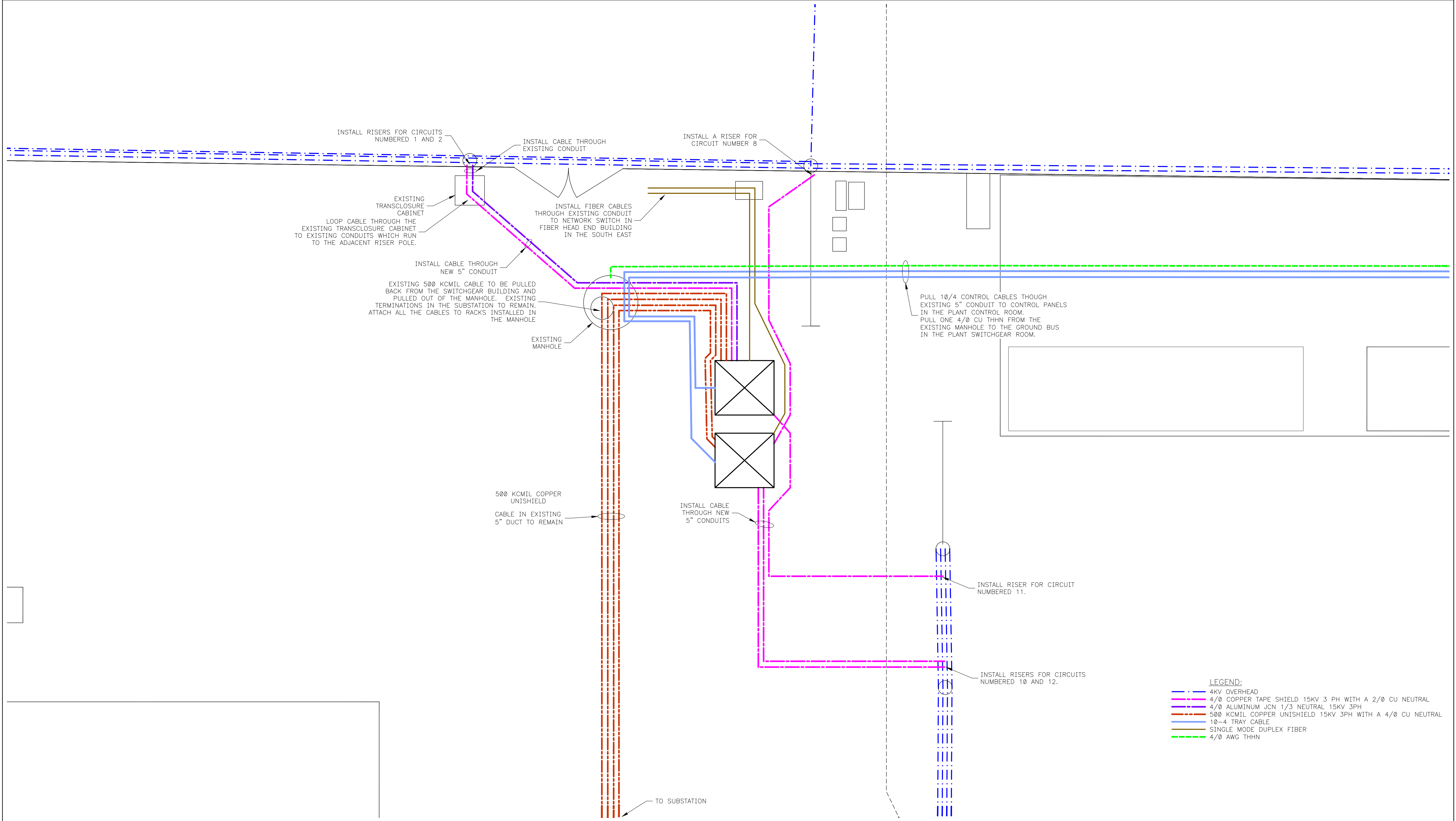
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INDIANOLA MUNICIPAL UTILITIES
PLANT SWITCHGEAR ADDITION

TRENCH & EQUIPMENT LOCATION PLAN
ADD



REV B
DWG. NO.
E1251-310



- LEGEND:
- 4KV OVERHEAD
 - 4/0 COPPER TAPE SHIELD 15KV 3 PH WITH A 2/0 CU NEUTRAL
 - 4/0 ALUMINUM JCN 1/3 NEUTRAL 15KV 3PH
 - 500 KCMIL COPPER UNISHIELD 15KV 3PH WITH A 4/0 CU NEUTRAL
 - 10-4 TRAY CABLE
 - SINGLE MODE DUPLEX FIBER
 - 4/0 AWG THHN

ACAD: 22234



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REV	DESCRIPTION	DES	DFTR	APPR	DATE	INCEPTION
B	REVISED ROUTING	P&E	DRP	JAK	2026-07-28	DATE 2026-06-29
A	ORIGINAL DESIGN	P&E	RWB	JAK	2026-07-07	
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						DFTR RWB
						APPR JAK

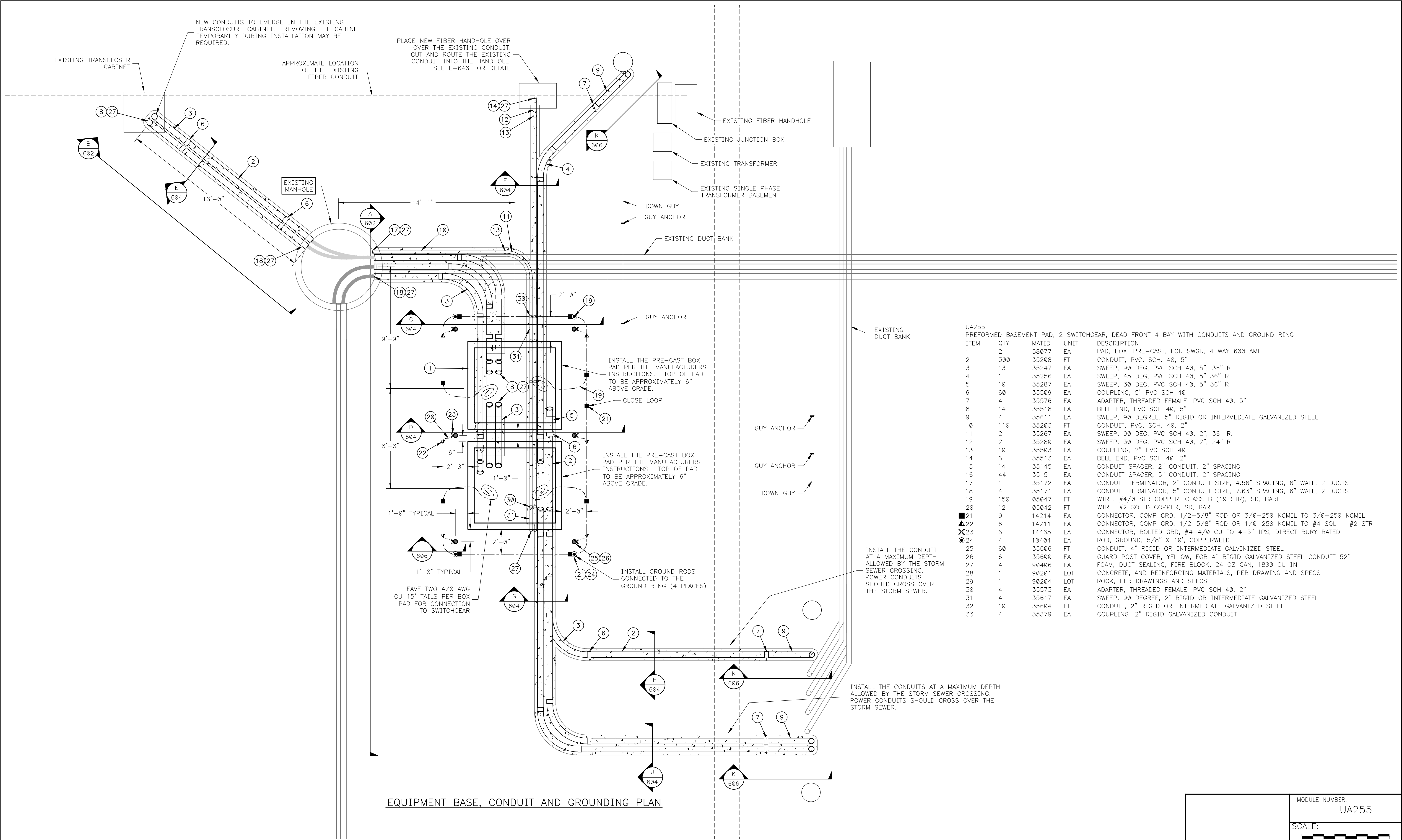
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INDIANOLA MUNICIPAL UTILITIES
PLANT SWITCHGEAR ADDITION

CABLE ROUTING PLAN

SCALE:
NTS

REV
B
DWG. NO
E1251-320



ACAD: 22234



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REV	DESCRIPTION	DESIG	DFTR	APPR	DATE	INCEPTION
A	ORIGINAL DESIGN	P&E	RWB	JAK	2026-08-06	DATE 2026-06-29
						DESIG P&E
						DFTR RWB
						APPR JAK

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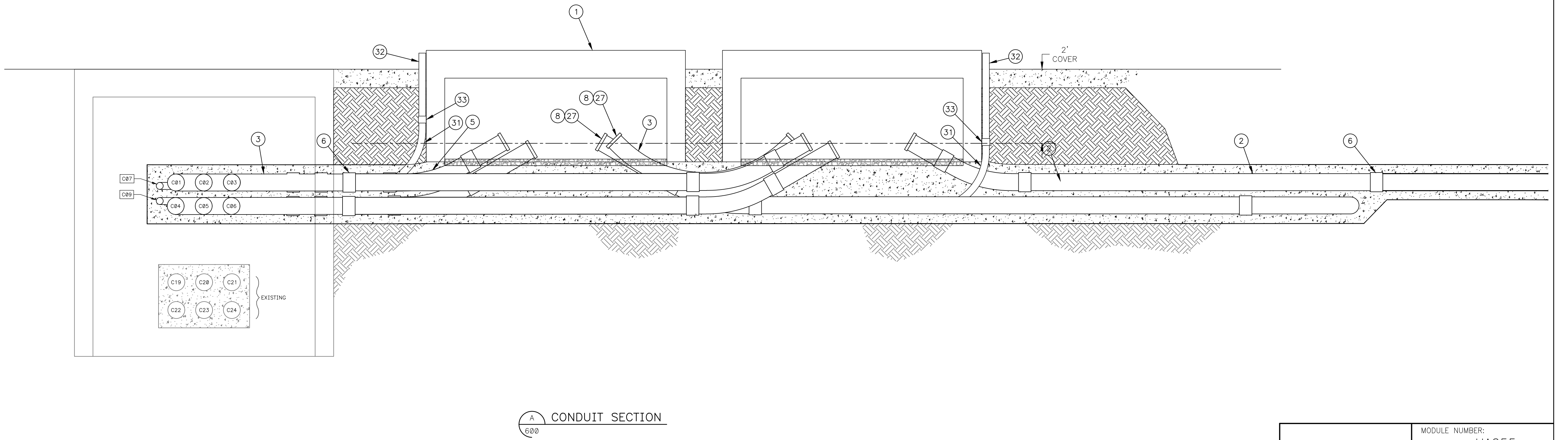
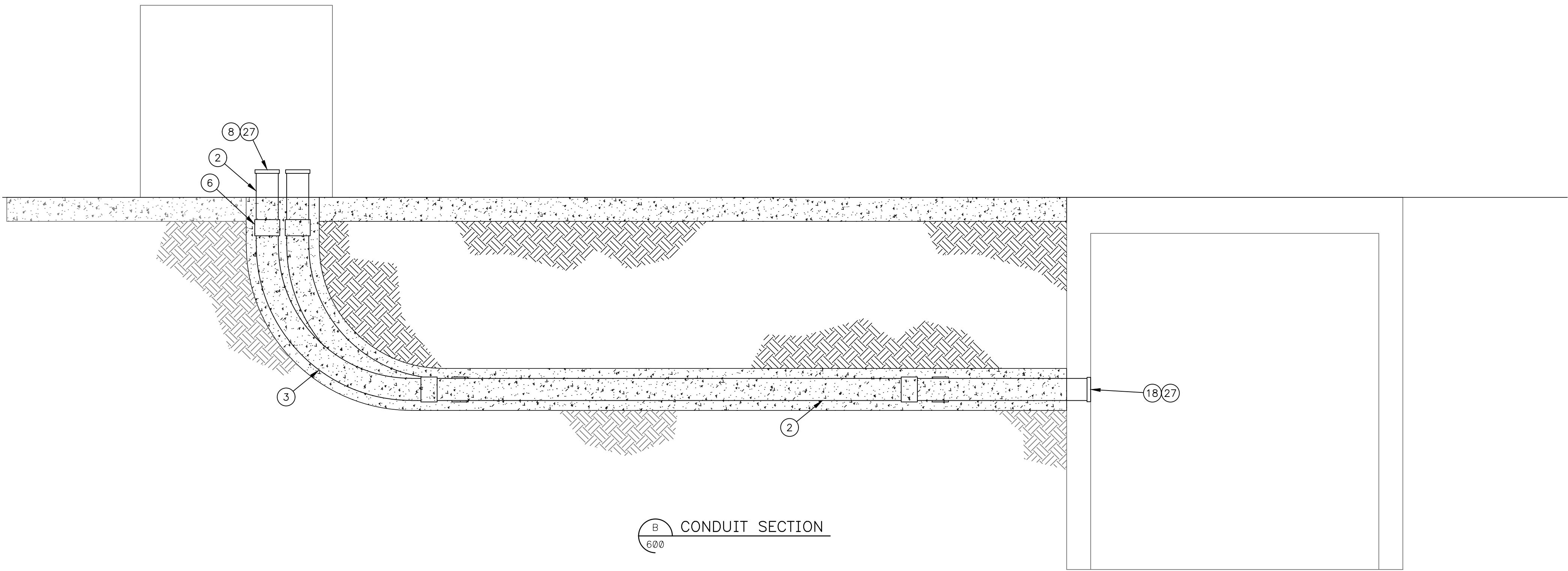
INDIANOLA MUNICIPAL UTILITIES PLANT SWITCHGEAR ADDITION
CONDUITS, EQUIPMENT BASES & GROUNDING PLAN VIEW

MODULE NUMBER:
UA255

SCALE:

NTS

REV
A
DWG. NO
E1251-600



ACAD: 22234



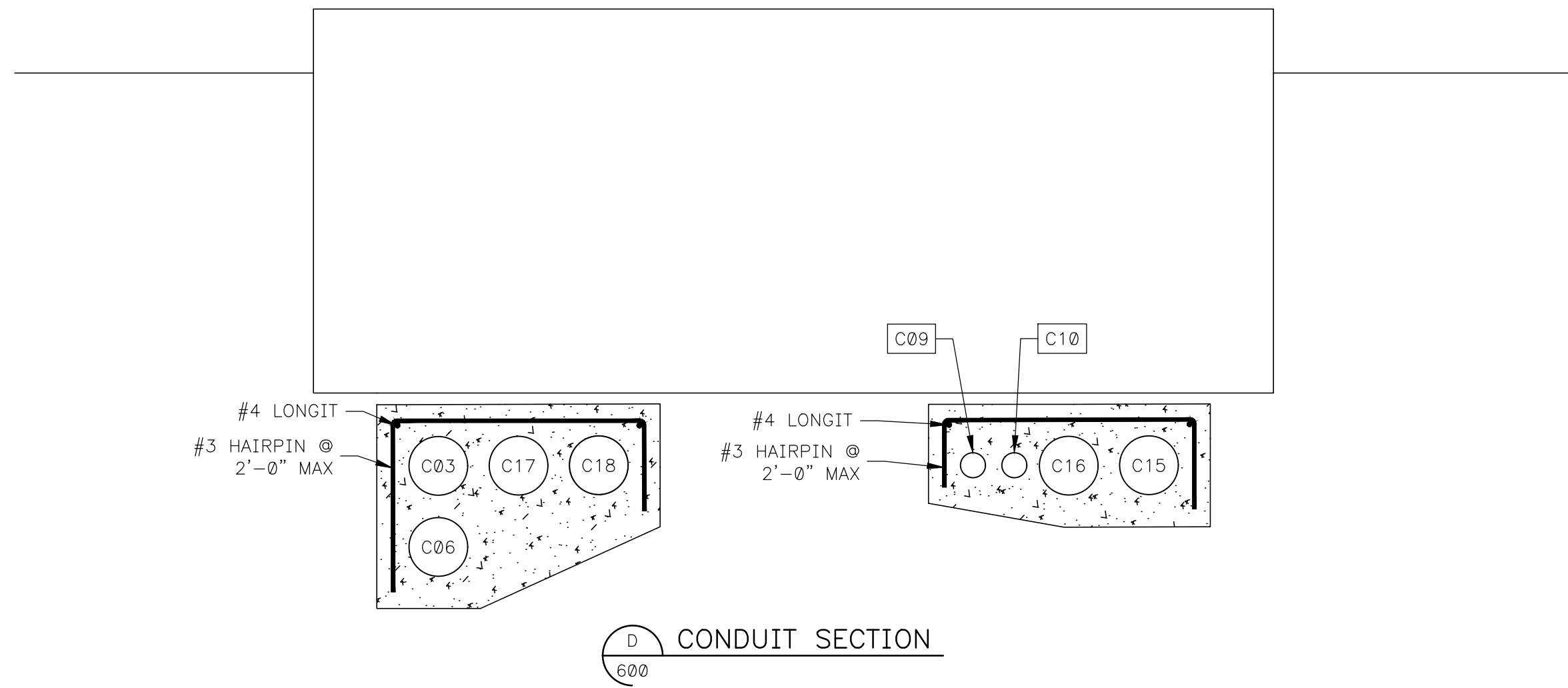
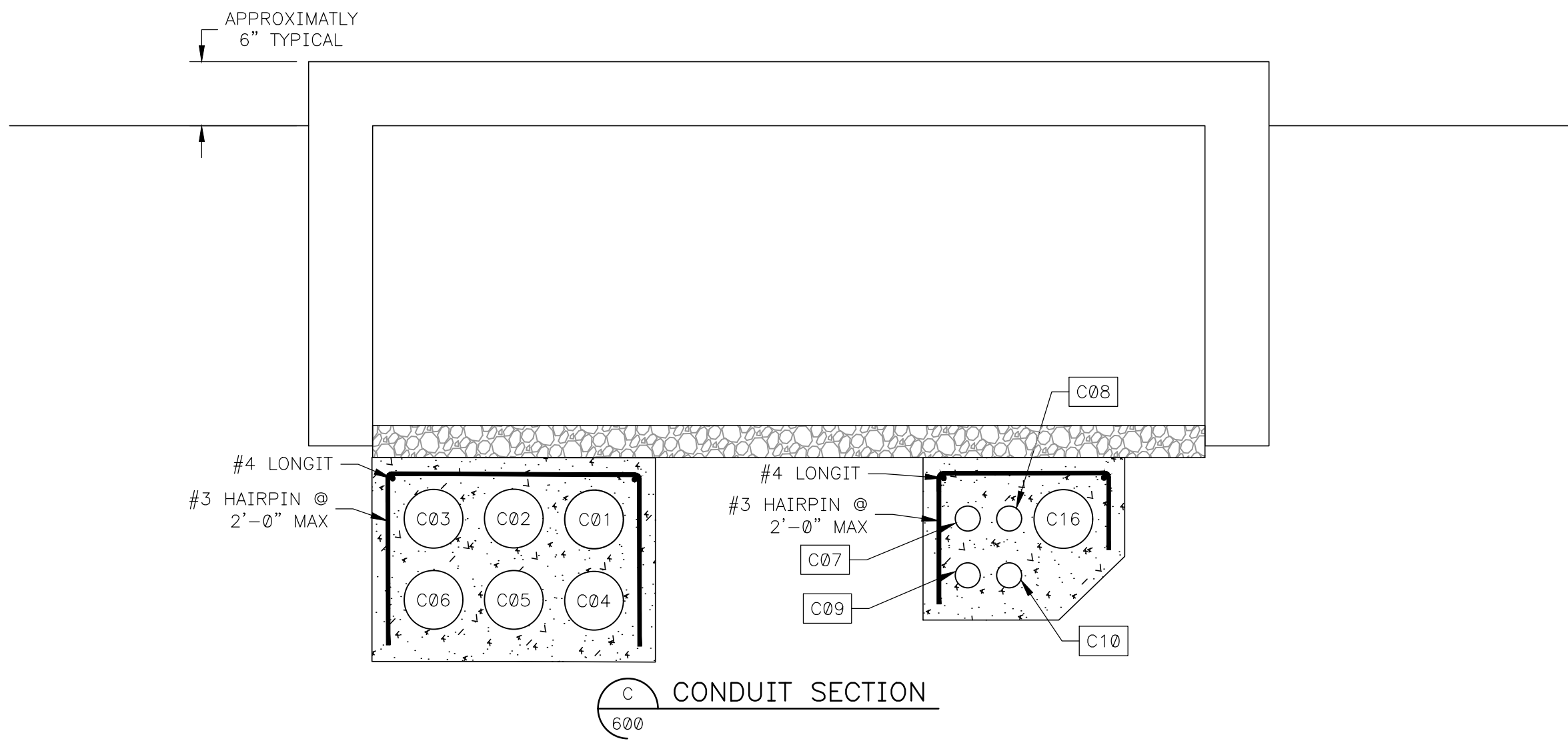
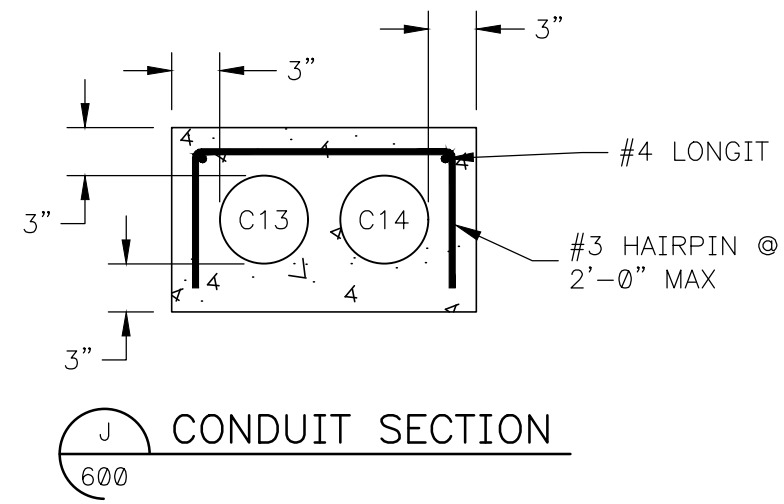
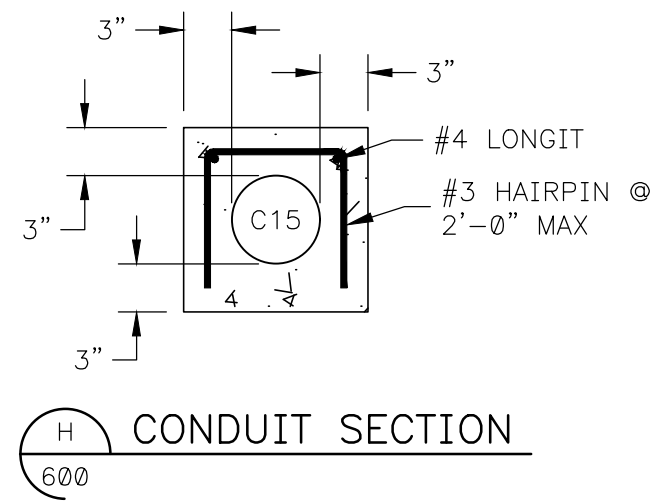
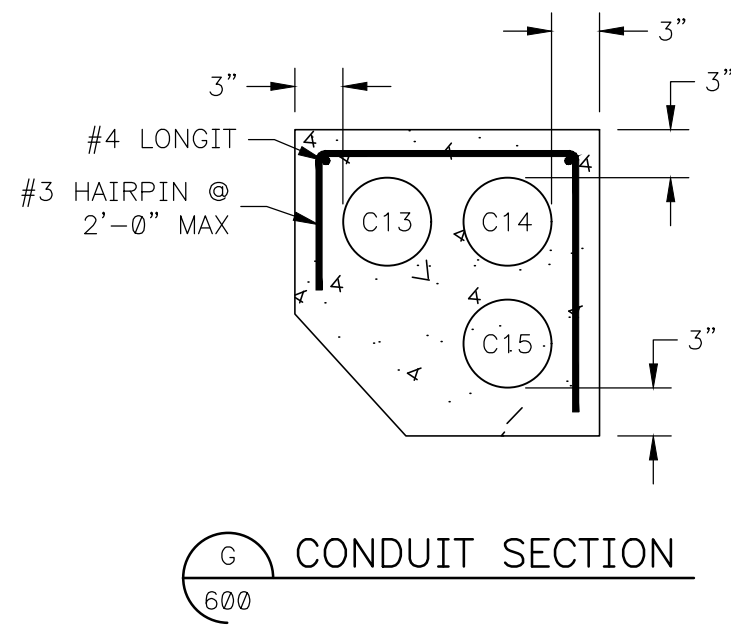
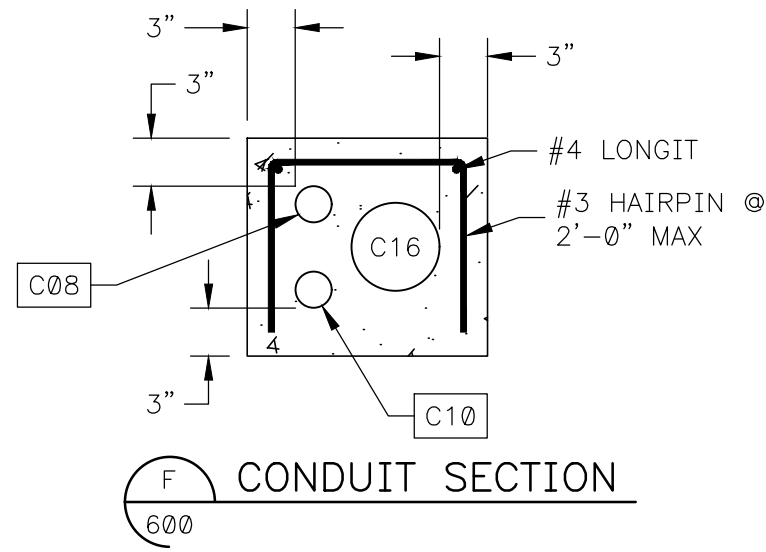
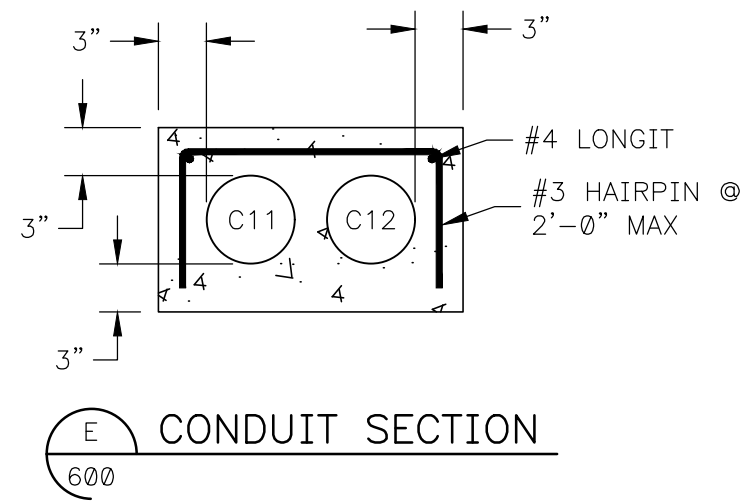
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REV	DESCRIPTION	DESIGN	DFTR	APPR	DATE	INCEPTION
A	ORIGINAL DESIGN	P&E	RWB	JAK	2026-08-06	DATE 2026-06-29
						DESIGN P&E
						DFTR RWB
						APPR JAK

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INDIANOLA MUNICIPAL UTILITIES PLANT SWITCHGEAR ADDITION
CONDUITS, EQUIPMENT BASES & GROUNDING SECTION VIEW

MODULE NUMBER: UA255
SCALE: NTS
REV A DWG. NO E1251-602



ACAD: 22234



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A	ORIGINAL DESIGN	P&E	RWB	JAK	2026-08-06	DATE 2026-06-29
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						DFTR RWB
						APPR JAK

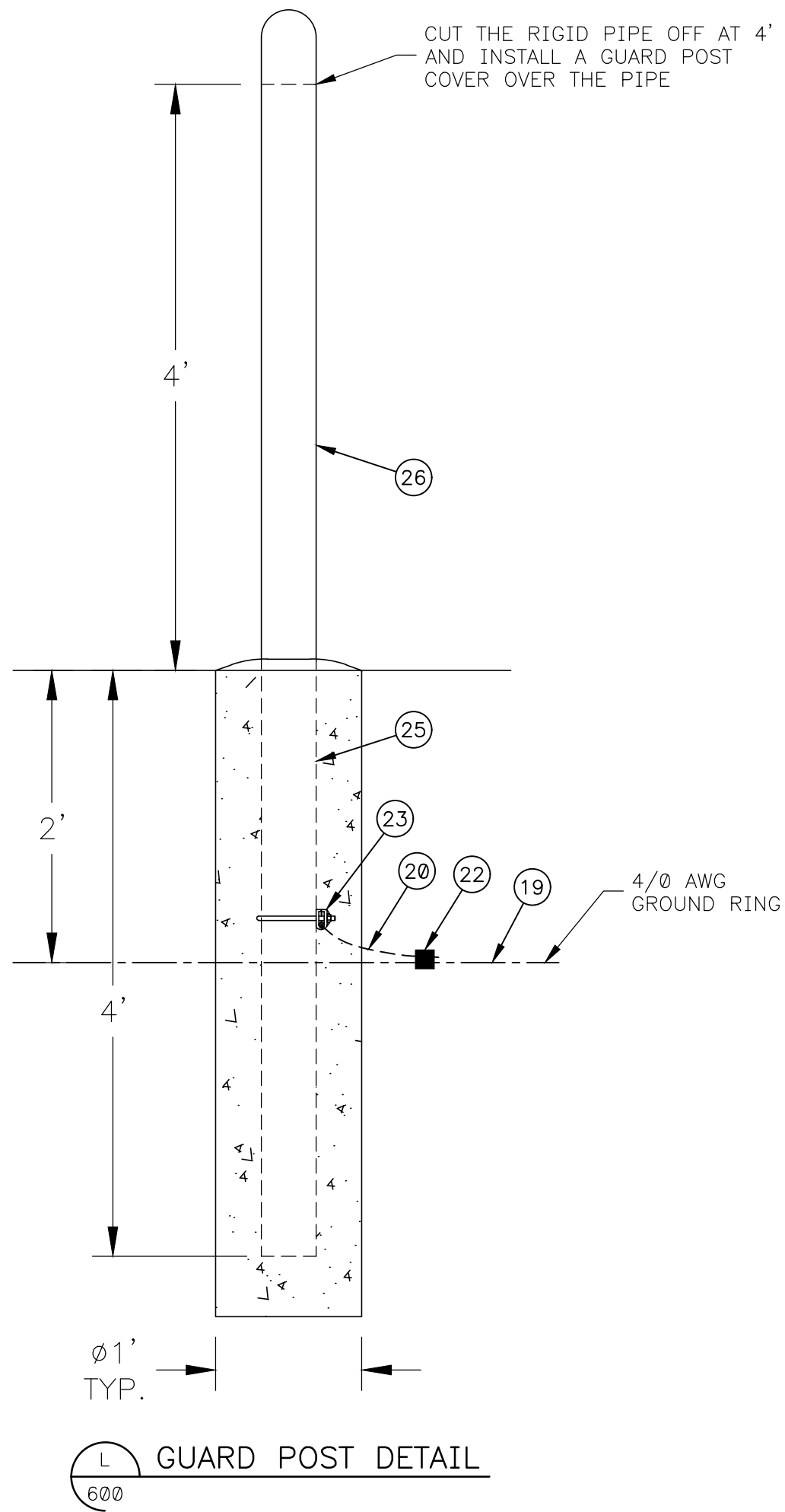
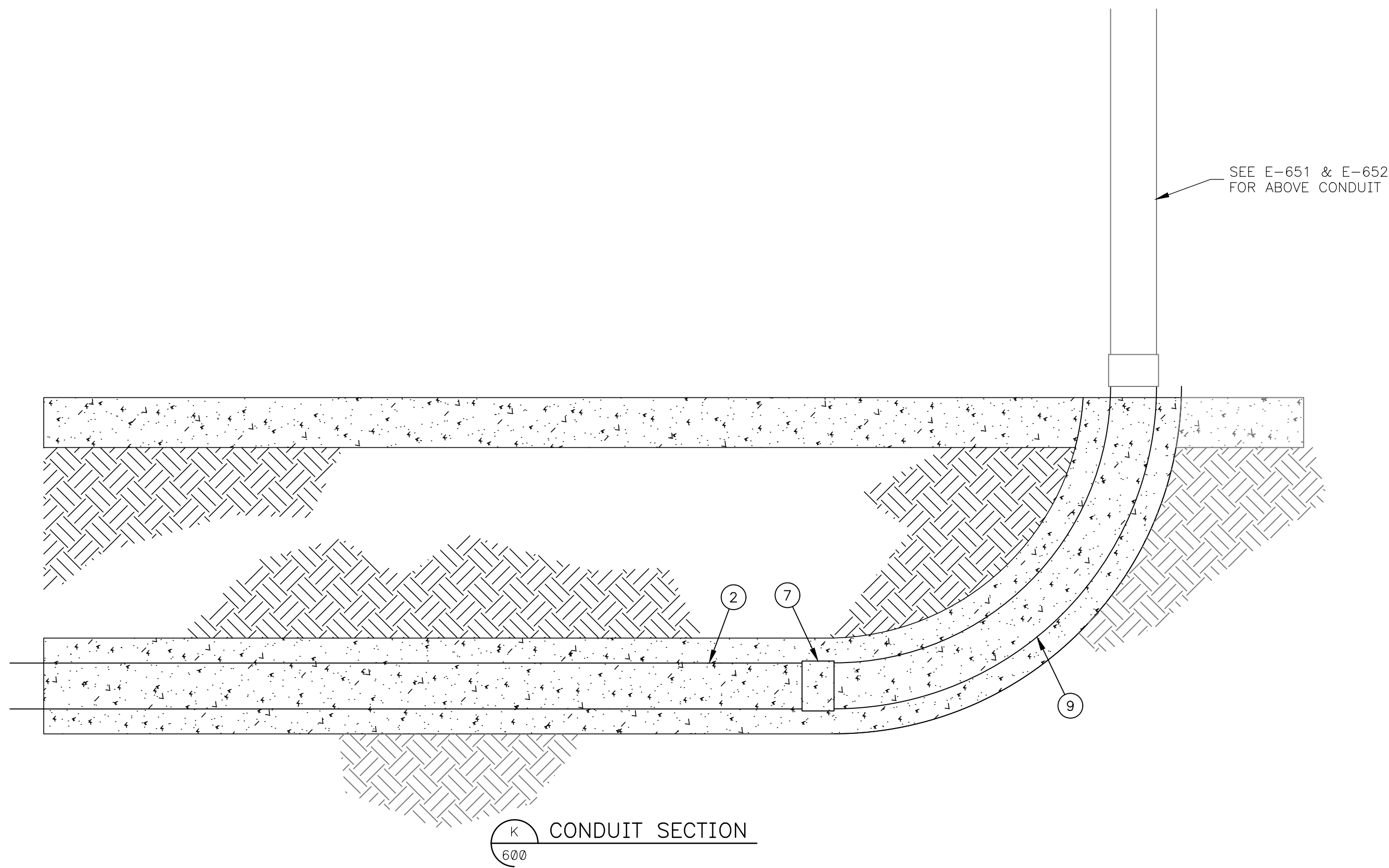
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INDIANOLA MUNICIPAL UTILITIES
PLANT SWITCHGEAR ADDITION
CONDUIT SECTIONS - SHEET 1

MODULE NUMBER:
UA255

SCALE:
NTS

REV
A
DWG. NO
E1251-604



ACAD: 22234



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REV	DESCRIPTION	DES	DFTR	APPR	DATE	INCEPTION
B	REVISED NOTES	P&E	RWB	JAK	2026-08-11	DATE 2026-06-29
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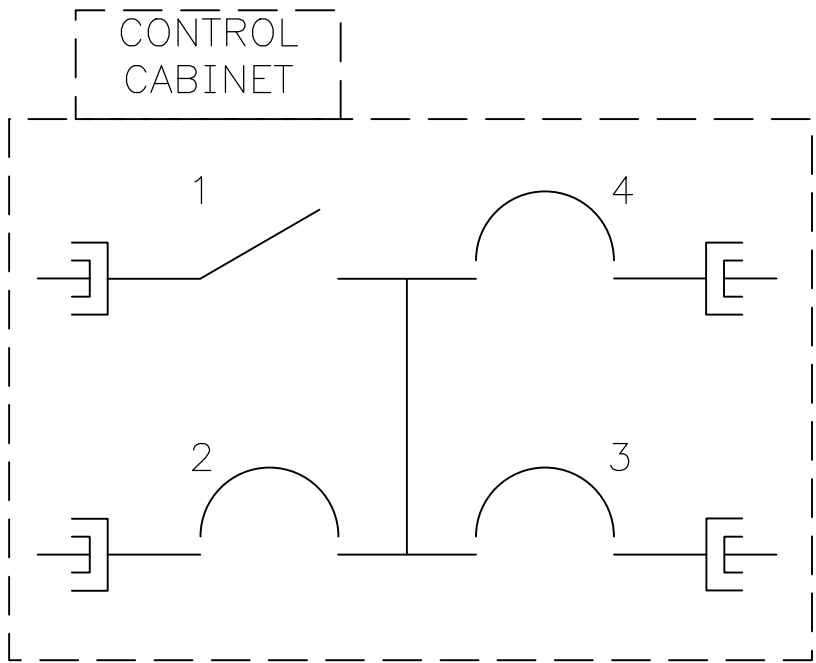
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INDIANOLA MUNICIPAL UTILITIES
PLANT SWITCHGEAR ADDITION
CONDUIT SECTIONS - SHEET 2

MODULE NUMBER:
UA255

SCALE:
NTS

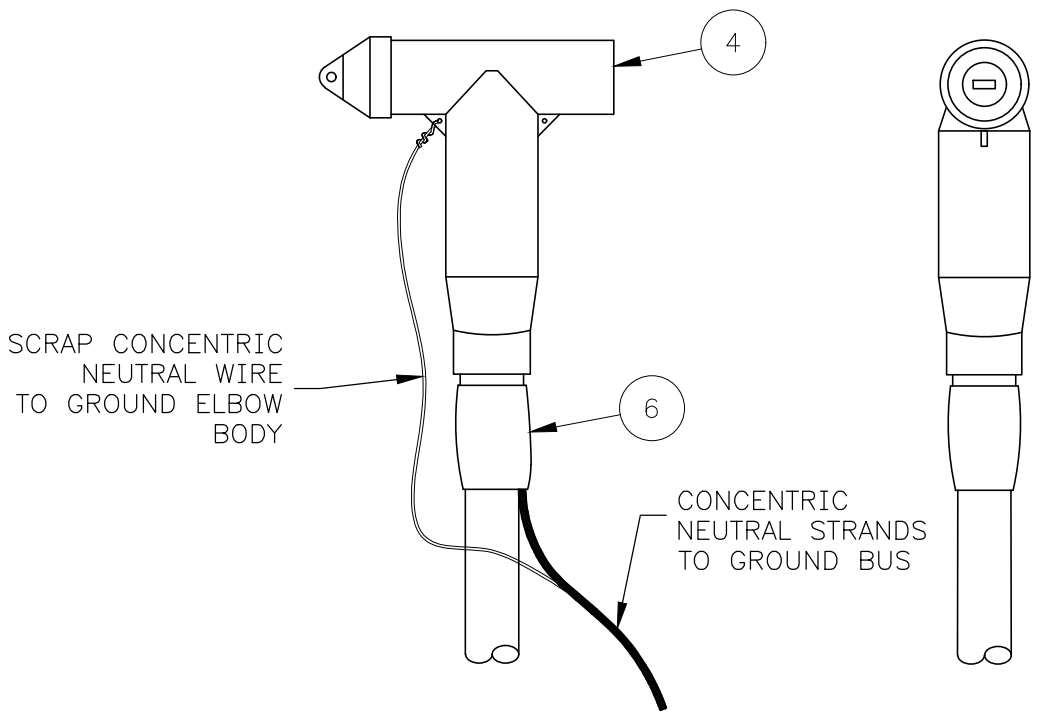
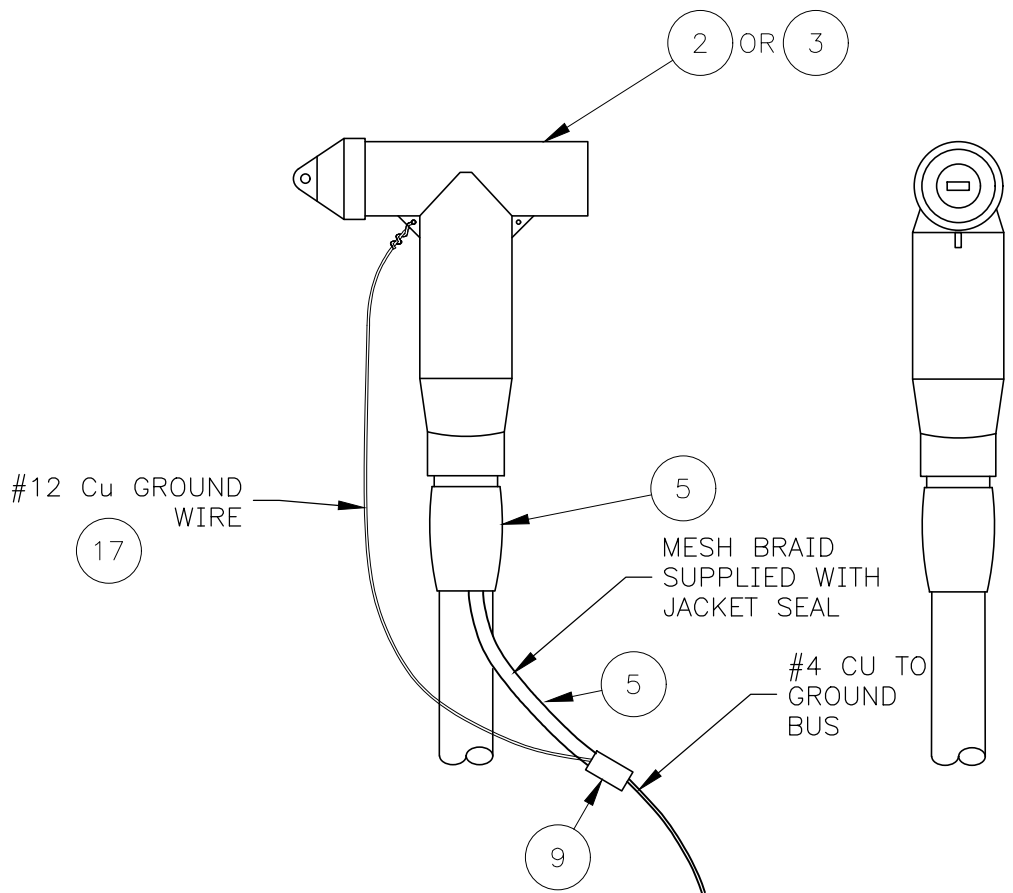
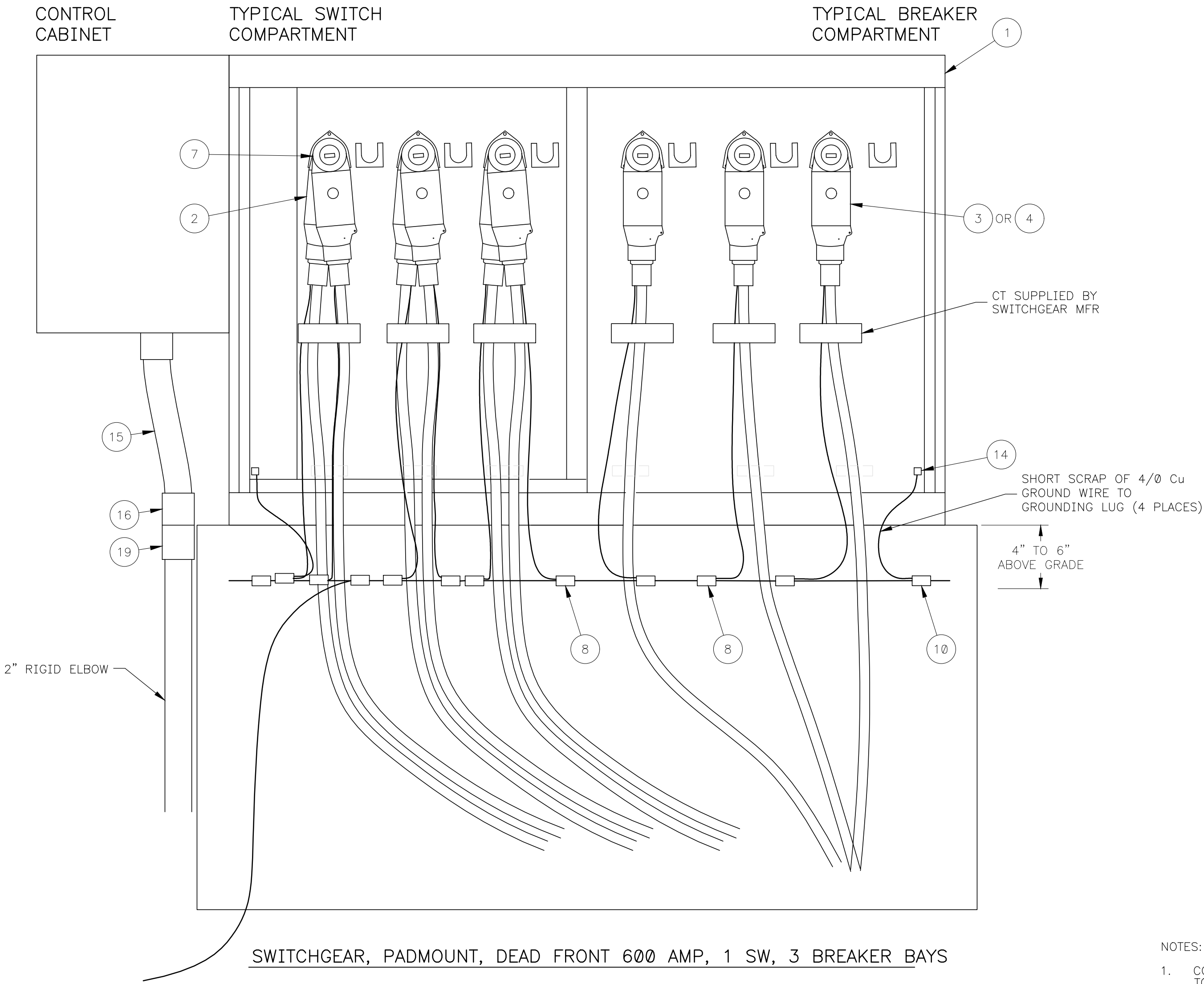
REV
B
DWG. NO
E1251-606



PLAN VIEW

SEE TABLE FOR MODULE #				PAD MOUNT, DEAD FRONT, 600A, 1 SW, 3 BREAKER, SEE TABLE
ITEM	QTY	MATID	UNIT	DESCRIPTION
1	1	56313	EA	SWITCHGEAR, PAD MTD, DEAD FRONT, 13 KV, 600 AMP, 1 SW, 3 BREAKER
2	6	41065	EA	ELBOW, 600 AMP, 15 KV, 500 KCMIL CU, 175 MILS
3	TABLE	41060	EA	ELBOW, 600 AMP, 15 KV, 4/0 CU, 220 MIL
4	TABLE	41011	EA	ELBOW, 600 AMP, 15 KV, 4/0 AL, 220 MIL
5	TABLE	40033	EA	METALLIC SHIELD ADAPTER AND CABLE JACKET SEAL KIT, COLD SHRINK 1.270" - 2.170 OD
6	TABLE	40030	EA	SEAL, CABLE JACKET, COLD SHRINK, 1.94" ID
7	3	41110	EA	CONNECTING PLUG, 15 KV, 600 AMP
8	15	14237	EA	CONNECTOR, COMP GRD, 1/2-5/8" ROD OR 3/0-250 KCMIL TO #6-2/0
9	TABLE	14217	EA	CONNECTOR, COMP GRD, #6SOL-2STR TO #6SOL-2STR
10	6	14214	EA	CONNECTOR, COMP GRD, 1/2-5/8" ROD OR 3/0-250 KCMIL TO 3/0-250 KCMIL
11		99999		NOT USED
12		99999		NOT USED
13		99999		NOT USED
14	4	14013	EA	LUG, TRANSFORMER GROUNDING, 2/0-250 KCMIL CU CLAMP WITH 2" BOLT, NUT & FLAT WASHER
15	6	35360	FT	CONDUIT, LIQUID TIGHT, METALLIC, 2"
16	4	35569	EA	CONNECTOR, BOX, METAL SEAL-TIGHT, STRAIGHT, 2"
17	TABLE	05875	FT	WIRE, #12 STR, CU, THHN/THWN
18	TABLE	05041	FT	WIRE, #4 SOLID COPPER, SD, BARE
19	2	35379	EA	COUPLING, 2" RIGID GALVANIZED CONDUIT

MODULE #	DESCRIPTION	ITEM 3	ITEM 4	ITEM 5	ITEM 6	ITEM 9	ITEM 17	ITEM 18
UG222A	SWITCHGEAR 1	6	3	12	3	12	24	36
UG222B	SWITCHGEAR 2	9	-	15	-	15	30	45



NOTES:

- CONNECT ALL CABLE NEUTRALS AND SHIELDS TO GROUND BUS WITH COPPER COMPRESSION CONNECTORS.
- CONNECT GROUND BUS TO SWITCHGEAR GROUND PAD IN EACH COMPARTMENT.
- CLIP SWITCHGEAR SECURELY TO PAD.
- TRAIN CABLES IN BASEMENT PAD AS DIRECTED BY OWNER OR ENGINEER.
- INSTALL WARNING AND IDENTIFICATION STICKERS AS DIRECTED BY OWNER OR ENGINEER.
- SEE DWG. E-600 FOR PAD INSTALLATION.

UGAD 22234



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A	ORIGINAL DESIGN	P&E	RWB	JAK	2026-08-06	DATE 2026-07-16
						DESIG P&E
						DFTR DRP
						APPR JAK

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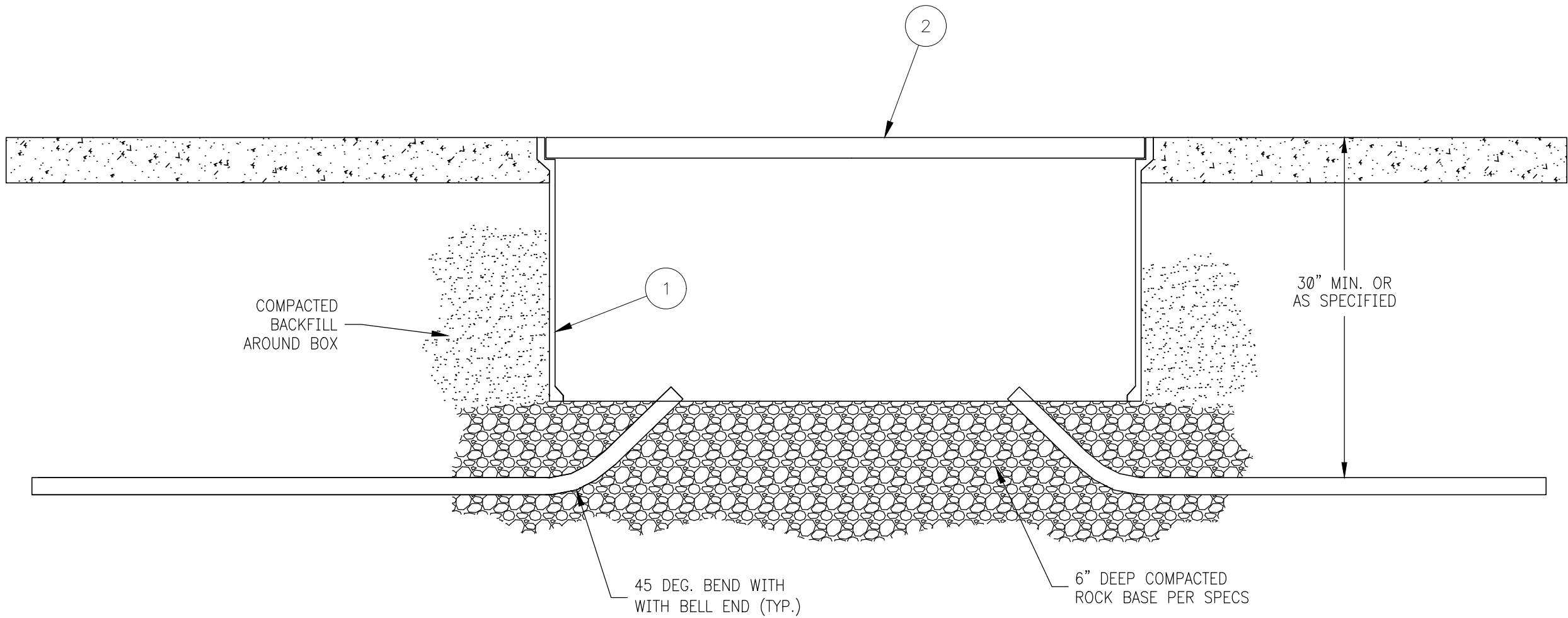
INDIANOLA MUNICIPAL UTILITIES
PLANT SWITCHGEAR ADDITION
SWITCHGEAR INSTALLATION

MODULE NUMBER:
MULTIPLE

SCALE:
NTS

REV
A
DWG. NO
E1251-630

US331C				
HANDHOLE, FIBER OPTIC, 24" X 36" X 30", OPEN BOTTOM, TIER 22				
ITEM	QTY	MATID	UNIT	DESCRIPTION
1	1	58120	EA	HANDHOLE, 24"x36"x30"; TIER 22, OPEN BOTTOM, WITH PROV FOR BOLTED CVR
2	1	58173	EA	HANDHOLE COVER, 24"x36"; TIER 22, WITH LOGO "FIBER OPTIC"



FIBER OPTIC HANDHOLE

NOTE:
PULL BOX TO BE INSTALLED
PER MANUFACTURER'S
DIRECTIONS

ACAD: 22234

INDIANOLA MUNICIPAL UTILITIES

IMU
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REV	DESCRIPTION	DESIGNED	DFTR	APPR	DATE	INCEPTION
A	ORIGINAL DESIGN	P&E	RWB	JAK	2026-08-06	DATE 2026-06-29
						DESIGNED P&E
						DFTR RWB
						APPR JAK

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INDIANOLA MUNICIPAL UTILITIES
PLANT SWITCHGEAR ADDITION

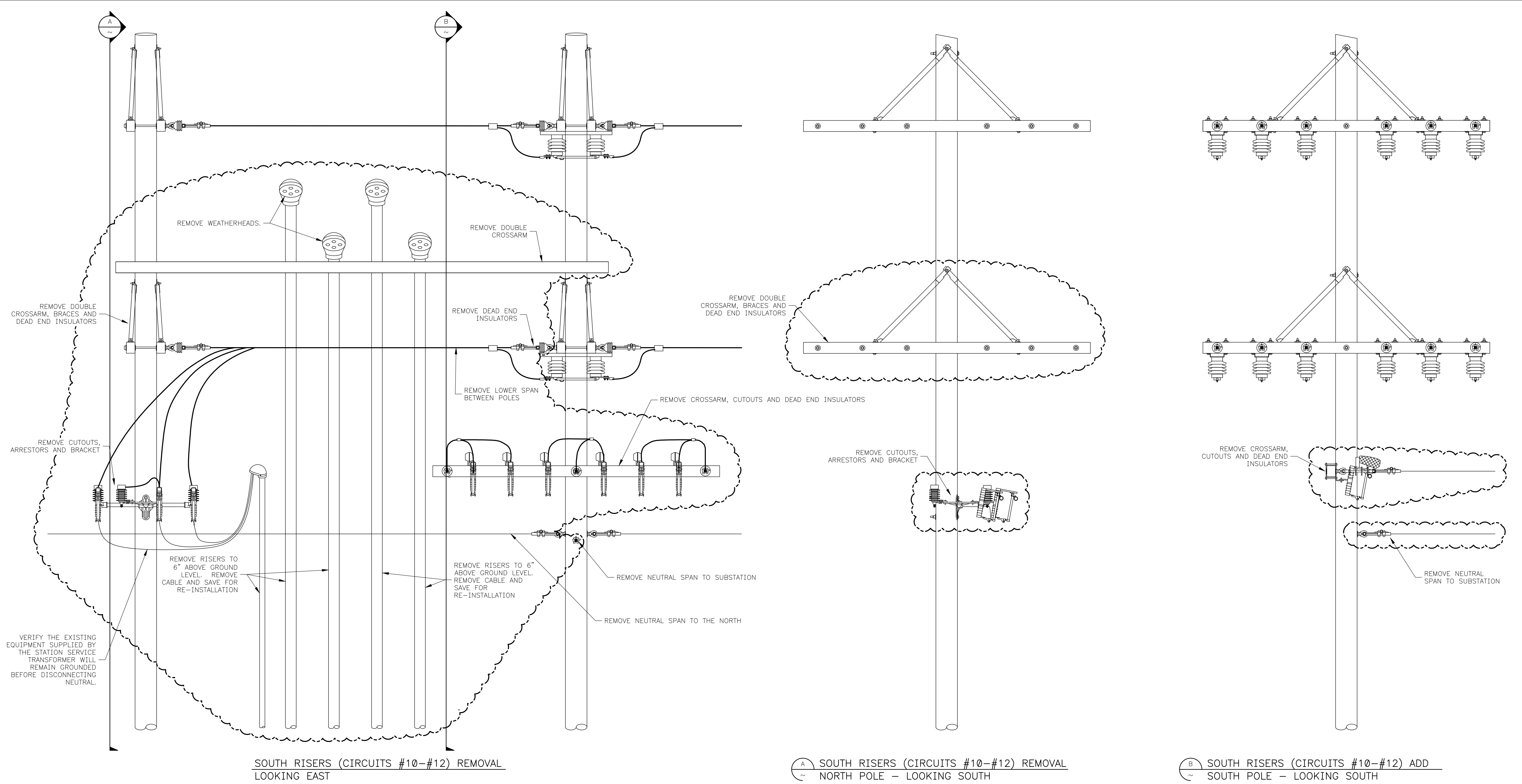
FIBER HANDHOLE DETAIL

MODULE NUMBER:
US331C

SCALE:
NTS

REV
A

DWG. NO
E1251-646



ACAD: 22234



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REV	DESCRIPTION	DES	DFTR	APPR	DATE	INCEPTION
A	ORIGINAL DESIGN	P&E	RWB	JAK	2026-08-06	DATE 2026-06-29
						DES P&E
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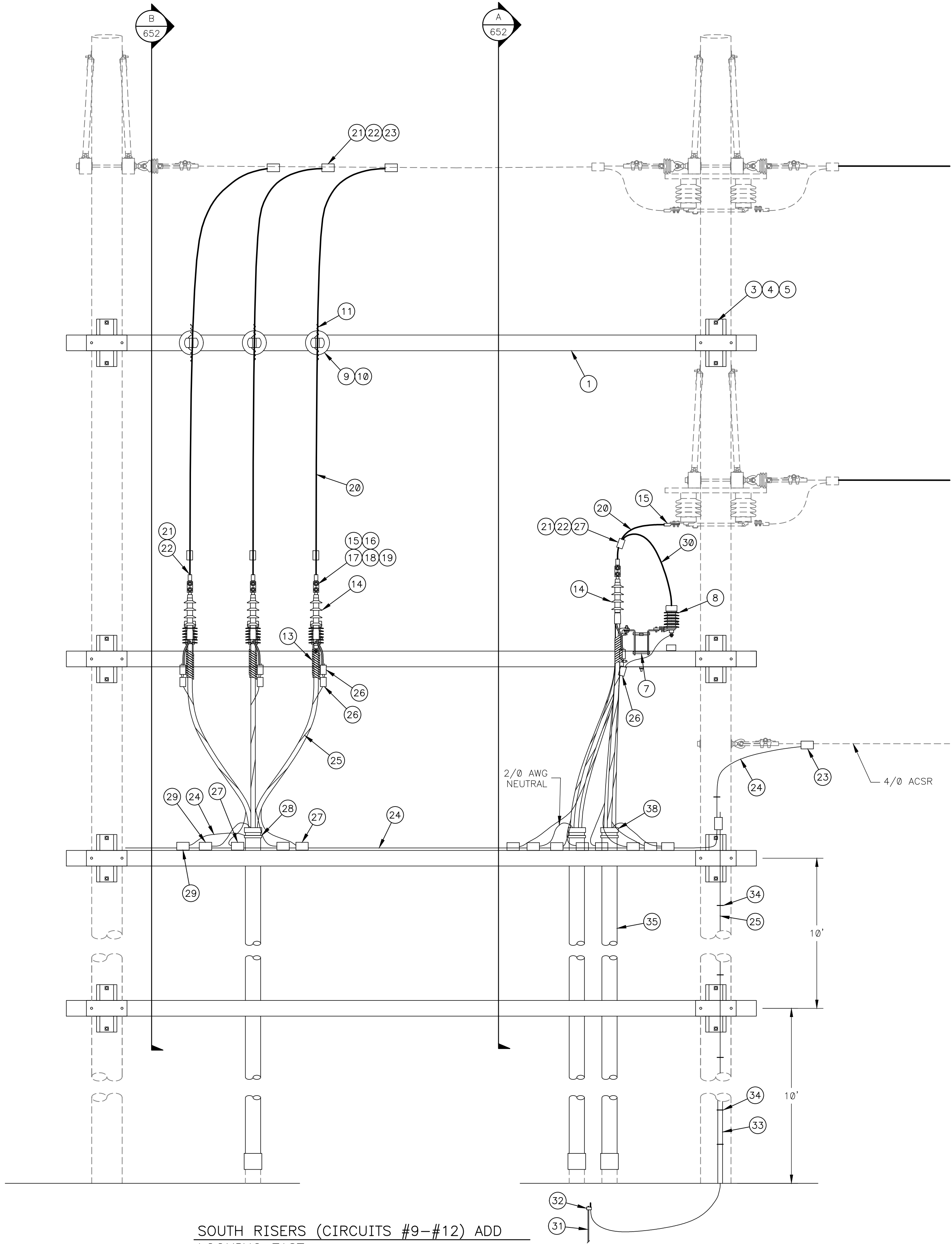
INDIANOLA MUNICIPAL UTILITIES
PLANT SWITCHGEAR ADDITION

RISER POLE DETAILS
SOUTH RISER REMOVAL

MODULE NUMBER:
N/A

SCALE:
NTS

REV
A
DWG. NO
E1251-650



E1251-651				SOUTH RISER POLE - CIRCUITS 10, 11, 12	
ITEM	QTY	MATID	UNIT	DESCRIPTION	
1	6	02270	EA	CROSSARM, FIBERGLASS, 18 FT, WITH 2 STEEL MOUNTING BRACKETS	
2		99999		NOT USED	
3	18	12003	EA	BOLT, MACHINE, 5/8" GALVANIZED, VARIOUS LENGTHS	
4	28	12503	EA	WASHER, SQUARE, FLAT, 5/8", 2-1/4"x2-1/4" GALVANIZED	
5	18	12403	EA	LOCKNUT, 5/8" GALVANIZED	
6	1	02235	EA	CROSSARM, FIBERGLASS, 10 FT, WITHOUT MOUNTING BKT	
7	6	10043	EA	BRACKET, "L", WITH BOLTS AND TWO "L" BRACKETS	
8	9	18001	EA	ARRESTER, SURGE, 2.55 KV MCOV, DIST CLASS, W/O XA BKT	
9	3	10102	EA	PIN, CROSS ARM, 5/8" X 5-3/4" SHANK, 1" NYLON THREADS	
10	3	16001	EA	INSULATOR, 15 KV PIN, PORCELAIN, F-NECK	
11	45	05014	FT	WIRE, TIE, AL OR CU; BARE OR COVERED, PER SPECS	
12	6	10041	EA	BRACKET, "L", WITH BOLTS AND BACK PLATE	
13	9	10055	EA	BRACKET, CABLE POSITIONER	
14	9	40111	EA	TERMINATOR, 5/8KV, 220 MIL, 4/0 STR CU, SHIELDED OUTDOOR, WITH SHEAR BOLT CONNECTOR	
15	15	14067	EA	LUG, COMPRESSION, COPPER, 2 HOLE, 4/0 CU	
16	30	12212	EA	BOLT, 18-8 OR 316 STAINLESS, 1/2"-13 X 2", FULLY THREADED	
17	30	12532	EA	WASHER, BELLEVILLE, STAINLESS, 1/2", 1.142" OD, 4700 LB	
18	30	12362	EA	NUT, 1/2" ALLOY 651, 655 OR 661 SILICON BRONZE	
19	60	12542	EA	WASHER, STAINLESS, FLAT, ROUND, 1/2" USS, 1.375" OD, 0.109" TK	
20	60	05478	FT	WIRE, #4/0 STR CU, TYPE THHN/THWN	
21	3	90106	RL	TAPE, INSULATING, LINERLESS, 1.5" X 30'	
22	3	90101	RL	TAPE, VINYL, 1.5" X 36 YD	
23	4	14267	EA	CONNECTOR, AL COMPRESSION, H-TAP, 3/0-4/0 STR/ACSR TO 3/0-4/0 STR/ACSR	
24	21	05047	FT	WIRE, #4/0 STR COPPER, CLASS B (19 STR), SD, BARE	
25	63	05041	FT	WIRE, #4 SOLID COPPER, SD, BARE	
26	18	14256	EA	CONNECTOR, COPPER CRIMPIT, #6 SOL-4 STR TO #6 SOL-4 STR	
27	12	14222	EA	CONNECTOR, COPPER CRIMPIT, 3/0-4/0 TO #6 SOL-2 STR	
28	3	14465	EA	CONNECTOR, BOLTED GRD, #4-4/0 CU TO 4-5" IPS, DIRECT BURY RATED	
29	3	14228	EA	CONNECTOR, COPPER CRIMPIT, 2/0-4/0 TO 2/0-4/0	
30	6	05473	FT	WIRE, #4 STR CU, TYPE THHN/THWN	
31	1	10404	EA	ROD, GROUND, 5/8" X 10', COPPERWELD	
32	1	14211	EA	CONNECTOR, COMP GRD, 1/2-5/8" ROD OR 1/0-250 KCMIL TO #4 SOL - #2 STR	
33	1	10410	FT	MOLDING, GROUND WIRE, 1/2" PLASTIC	
34	30	12550	EA	STAPLE, GROUND WIRE, 2" X 5/8"	
35	60	35605	FT	CONDUIT, 5" RIGID OR INTERMEDIATE GALVANIZED STEEL	
36	10	12566	FT	CHANNEL, 1-5/8"x1-5/8", GALVANIZED	
37	6	12579	EA	CLAMP, PIPE, STRUT MOUNTED, 5", GALVANIZED	
38	3	35858	EA	BUSHING, INSULATING MALLEABLE IRON, 5"	
39	8	12505	EA	WASHER, SQUARE, CURVED, GALVANIZED, 5/8"	

NOTE:
ALUMINUM CONDUCTOR SHOULD BE THE
UPPER CONDUCTOR OF ALUMINUM TO
COPPER CONNECTIONS.

SOUTH RISERS (CIRCUITS #9-#12) ADD
LOOKING EAST

ACAD 22234



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B	REVISED MATERIALS	P&E	RWB	JAK	2026-08-11	DATE 2026-06-29
A	ORIGINAL DESIGN	P&E	RWB	JAK	2026-08-06	
						DESIGN P&E
						DFTR RWB
						APPR JAK

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INDIANOLA MUNICIPAL UTILITIES
PLANT SWITCHGEAR ADDITION

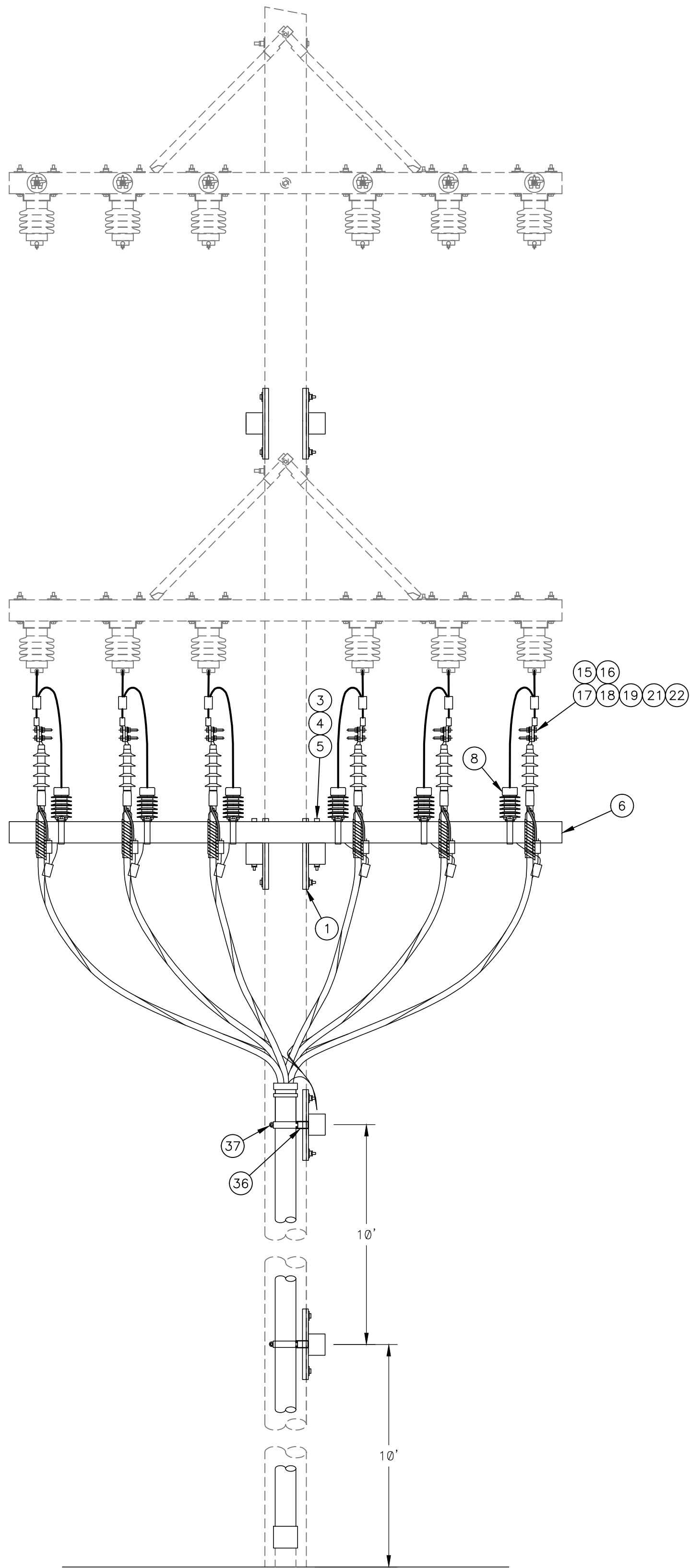
RISER POLE DETAILS
SOUTH RISER ADD
FEEDERS 10,11 AND 12

MODULE NUMBER:
E1251-651

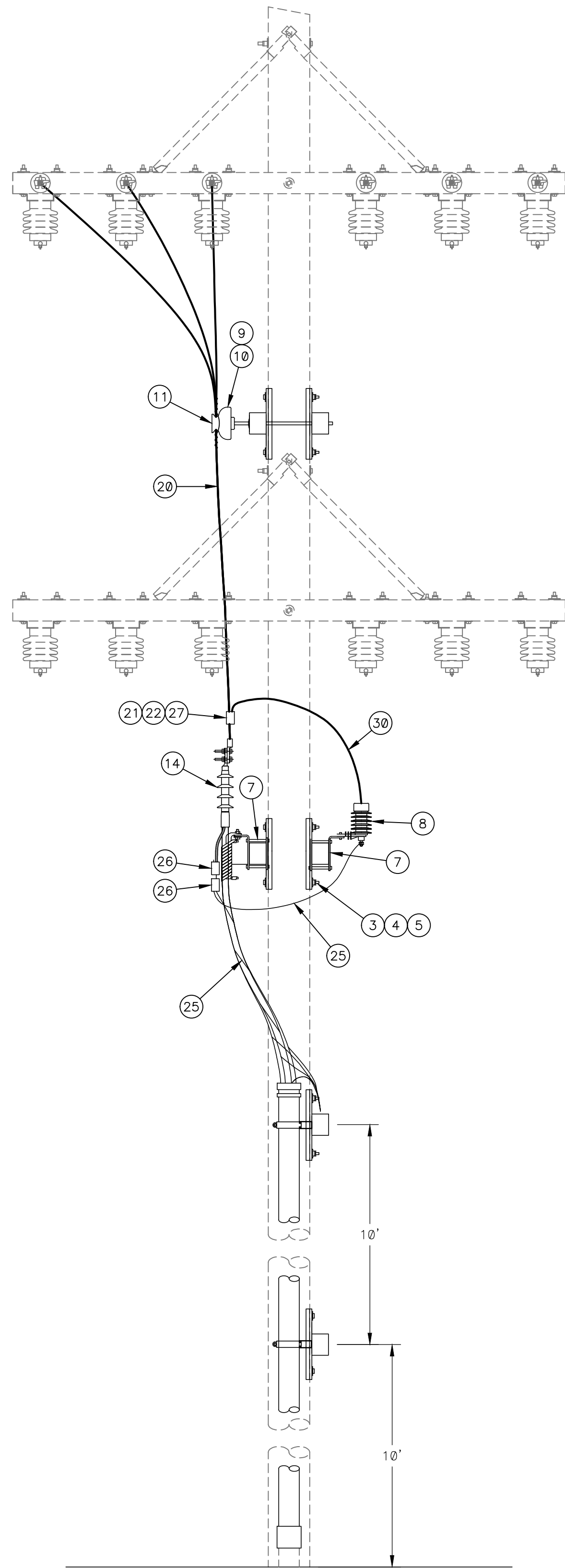
SCALE:

NTS

REV
B
DWG. NO
E1251-651



A SOUTH RISERS (CIRCUITS #10-#12) ADD
651 SOUTH POLE - LOOKING SOUTH



B SOUTH RISERS (CIRCUITS #10-#12) ADD
651 NORTH POLE - LOOKING SOUTH

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A	ORIGINAL DESIGN	P&E	RWB	JAK	2026-08-06	DESIGN P&E
						DFTR RWB
						APPR JAK

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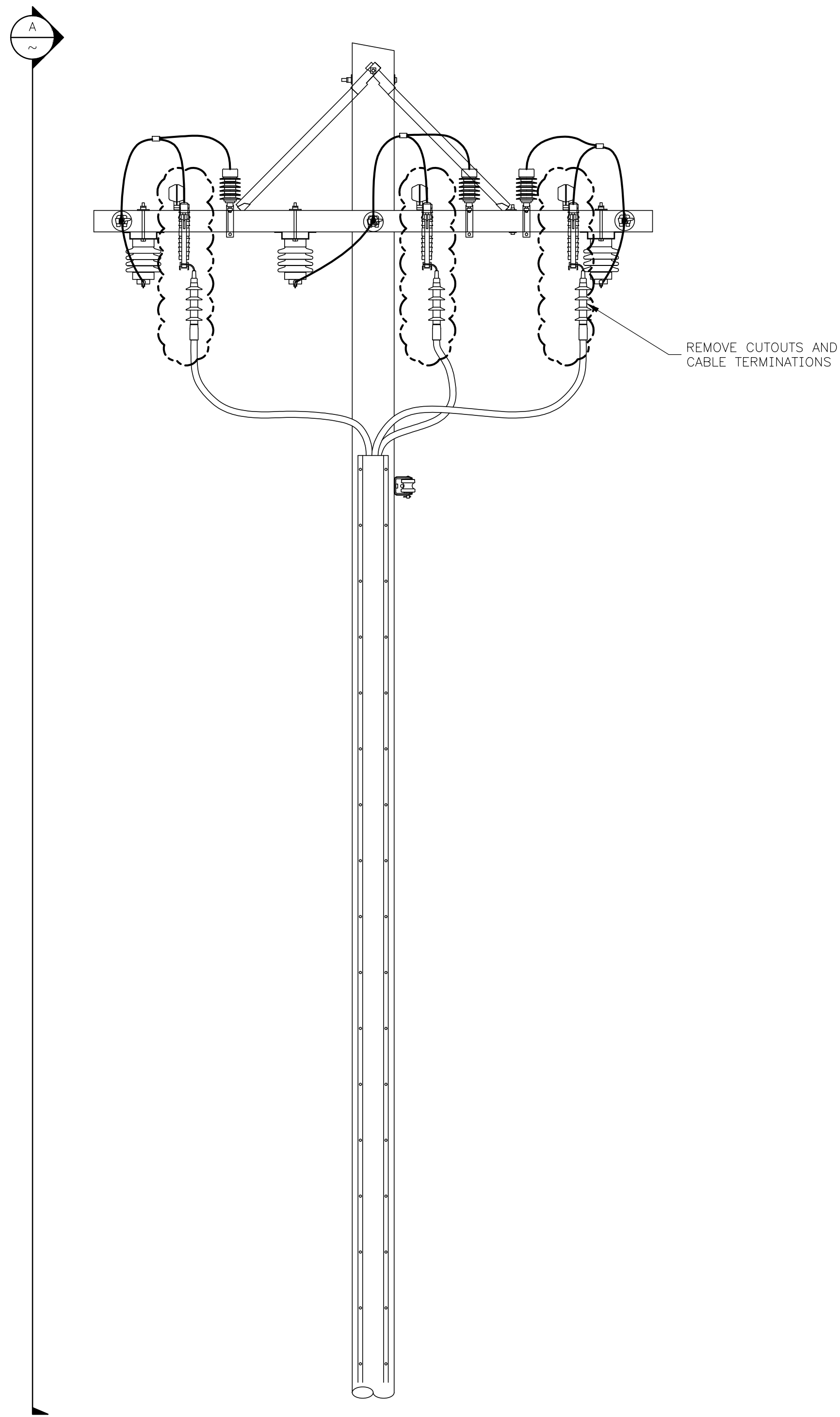
INDIANOLA MUNICIPAL UTILITIES
PLANT SWITCHGEAR ADDITION

RISER POLE DETAILS
SOUTH RISER ADD
FEEDERS 10,11 AND 12

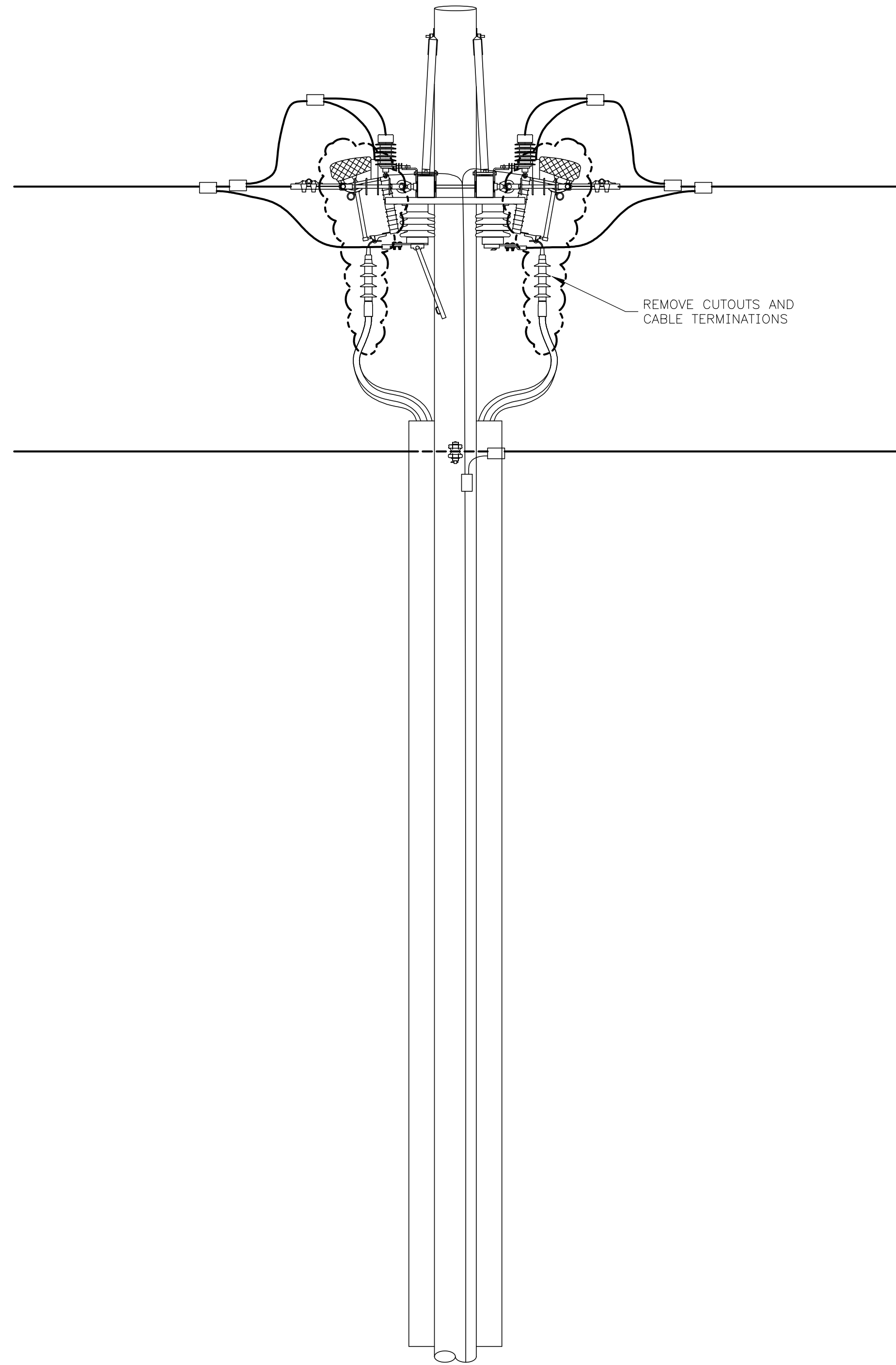
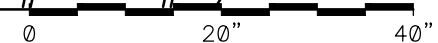
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E1251-651

SCALE:
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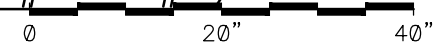
REV
B
DWG. NO
E1251-652



WEST RISERS (CIRCUITS #1 & #2) REMOVAL
LOOKING WEST



WEST RISERS (CIRCUITS #1 & #2) REMOVAL
LOOKING NORTH



22234



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A	ORIGINAL DESIGN	P&E	RWB	JAK	2026-08-06	DATE 2026-06-29
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						DFTR
						APPR

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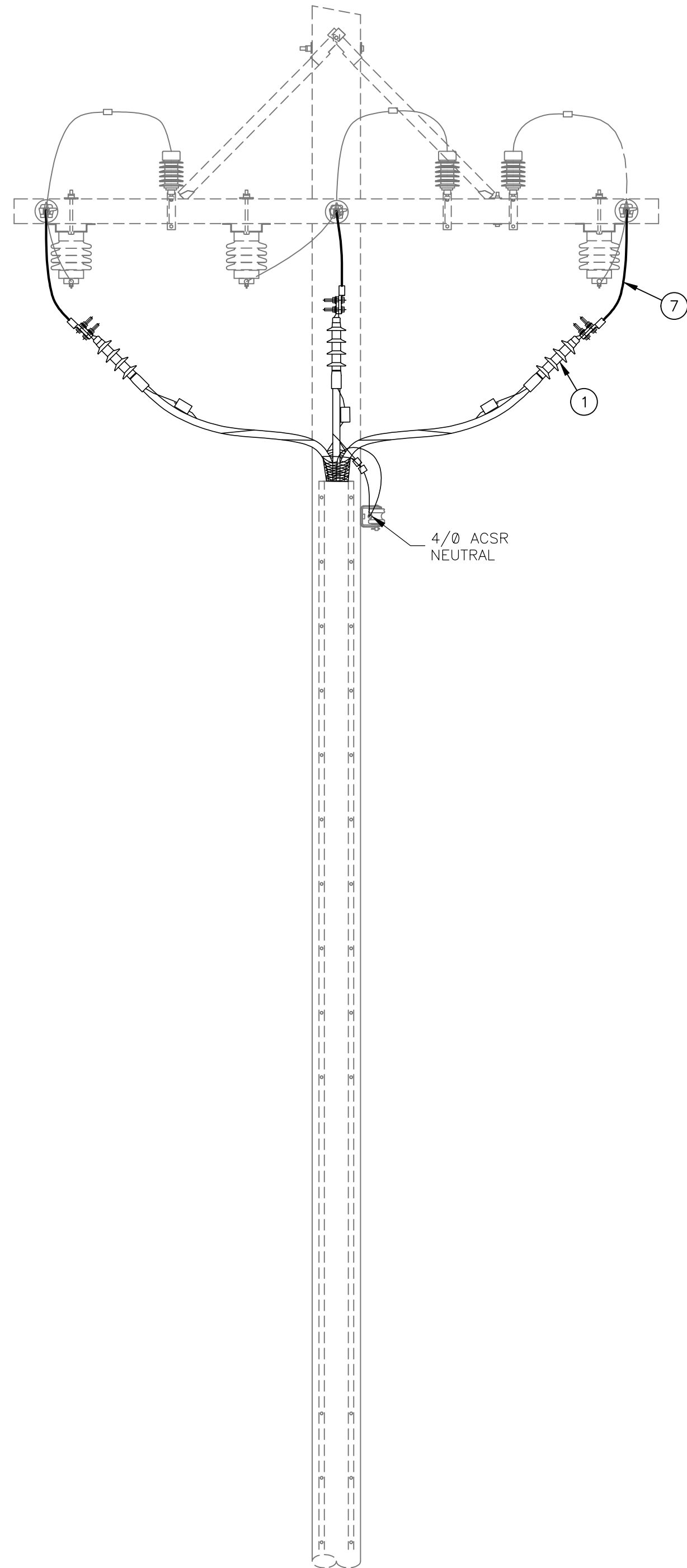
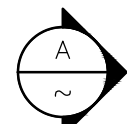
INDIANOLA MUNICIPAL UTILITIES
PLANT SWITCHGEAR ADDITION

RISER POLE DETAILS
WEST RISER REMOVAL

MODULE NUMBER:
N/A

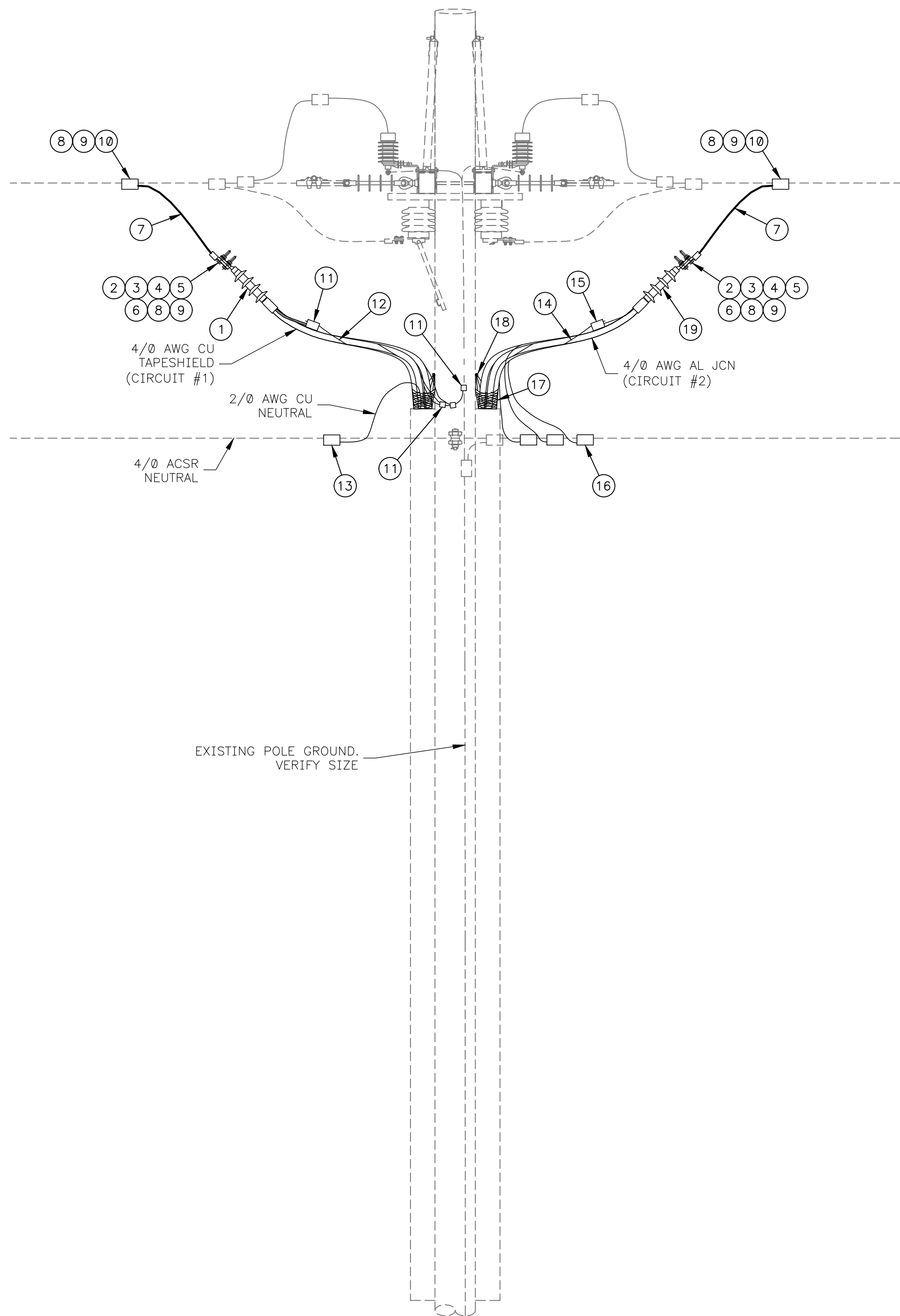
SCALE:
NTS

REV
A
DWG. NO
E1251-653



WEST RISERS (CIRCUITS #1 & #2) ADD
LOOKING WEST

0 20' 40'



WEST RISERS (CIRCUITS #1 & #2) ADD

0 20' 40'

E1251-654					WEST RISER POLE - CIRCUITS 1, 2		
ITEM	QTY	MATID	UNIT	DESCRIPTION			
1	3	40111	EA	TERMINATOR, 5/8KV, 220 MIL, 4/0 STR CU, SHIELDED OUTDOOR, WITH SHEAR BOLT CONNECTOR			
2	6	14067	EA	LUG, COMPRESSION, COPPER, 2 HOLE, 4/0 CU			
3	12	12212	EA	BOLT, 18-8 OR 316 STAINLESS, 1/2"-13 X 2", FULLY THREADED			
4	12	12532	EA	WASHER, BELLEVILLE, STAINLESS, 1/2", 1.142" OD, 4700 LB			
5	12	12362	EA	NUT, 1/2" ALLOY 651, 655 OR 661 SILICON BRONZE			
6	24	12542	EA	WASHER, STAINLESS, FLAT, ROUND, 1/2" USS, 1.375" OD, 0.109" TK			
7	24	05478	FT	WIRE, #4/0 STR CU, TYPE THHN/THWN			
8	2	90106	RL	TAPE, INSULATING, LINERLESS, 1.5" X 30'			
9	2	90101	RL	TAPE, VINYL, 1.5" X 36 YD			
10	6	14267	EA	CONNECTOR, AL COMPRESSION, H-TAP, 3/0-4/0 STR/ACSR TO 3/0-4/0 STR/ACSR			
11	7	14256	EA	CONNECTOR, COPPER CRIMPIT, #6 SOL-4 STR TO #6 SOL-4 STR			
12	12	05041	FT	WIRE, #4 SOLID COPPER, SD, BARE			
13	1	14266	EA	CONNECTOR, AL COMPRESSION, H-TAP, 3/0-4/0 STR/ACSR TO #1-2/0 STR/ACSR			
14	12	05042	FT	WIRE, #2 SOLID COPPER, SD, BARE			
15	3	14257	EA	CONNECTOR, COPPER CRIMPIT, #2 SOL/STR TO #8 SOL-#4 STR			
16	3	14264	EA	CONNECTOR, AL COMPRESSION, H-TAP, 4/0 STR/ACSR TO #6-#1STR/ACSR			
17	2	12902	EA	GRIP, WIRE MESH, DOUBLE EYE, CLOSED MESH, 2.50-2.99"			
18	2	12255	EA	LAG SCREW, 1/2" X 4"			
19	3	40110	EA	TERMINATOR, 5/8KV, 220 MIL, 4/0 STR AL, JCN OUTDOOR, WITH SHEAR BOLT CONNECTOR			

NOTE:
ALUMINUM CONDUCTOR SHOULD BE THE
UPPER CONDUCTOR OF ALUMINUM TO
COPPER CONNECTIONS.

ACAD 22234



P & E ENGINEERING CO.
POWER SYSTEM ANALYSIS AND DESIGN
500 SW 7th Street Office: 515-989-3083
Suite 100 Des Moines, IA 50309 pe@peengr.com

REV	DESCRIPTION	DES	DFTR	APPR	DATE	INCEPTION
A	ORIGINAL DESIGN	P&E	RWB	JAK	2026-08-06	DATE 2026-06-29
						DES P&E
						DFTR RWB
						APPR JAK

**ISSUED
FOR BID PURPOSES ONLY**

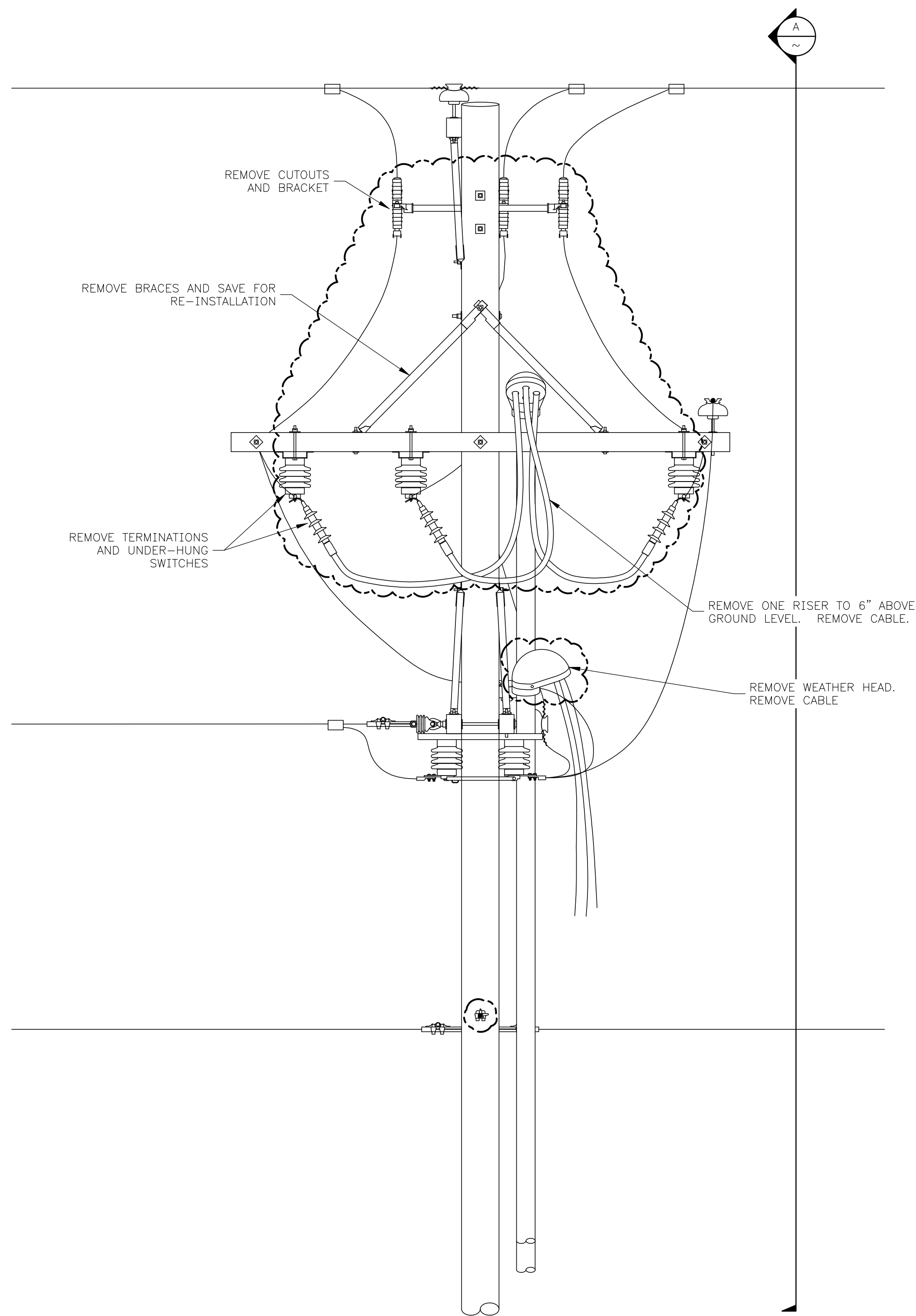
INDIANOLA MUNICIPAL UTILITIES
PLANT SWITCHGEAR ADDITION

RISER POLE DETAILS
WEST RISER ADD
FEEDERS 1 & 2

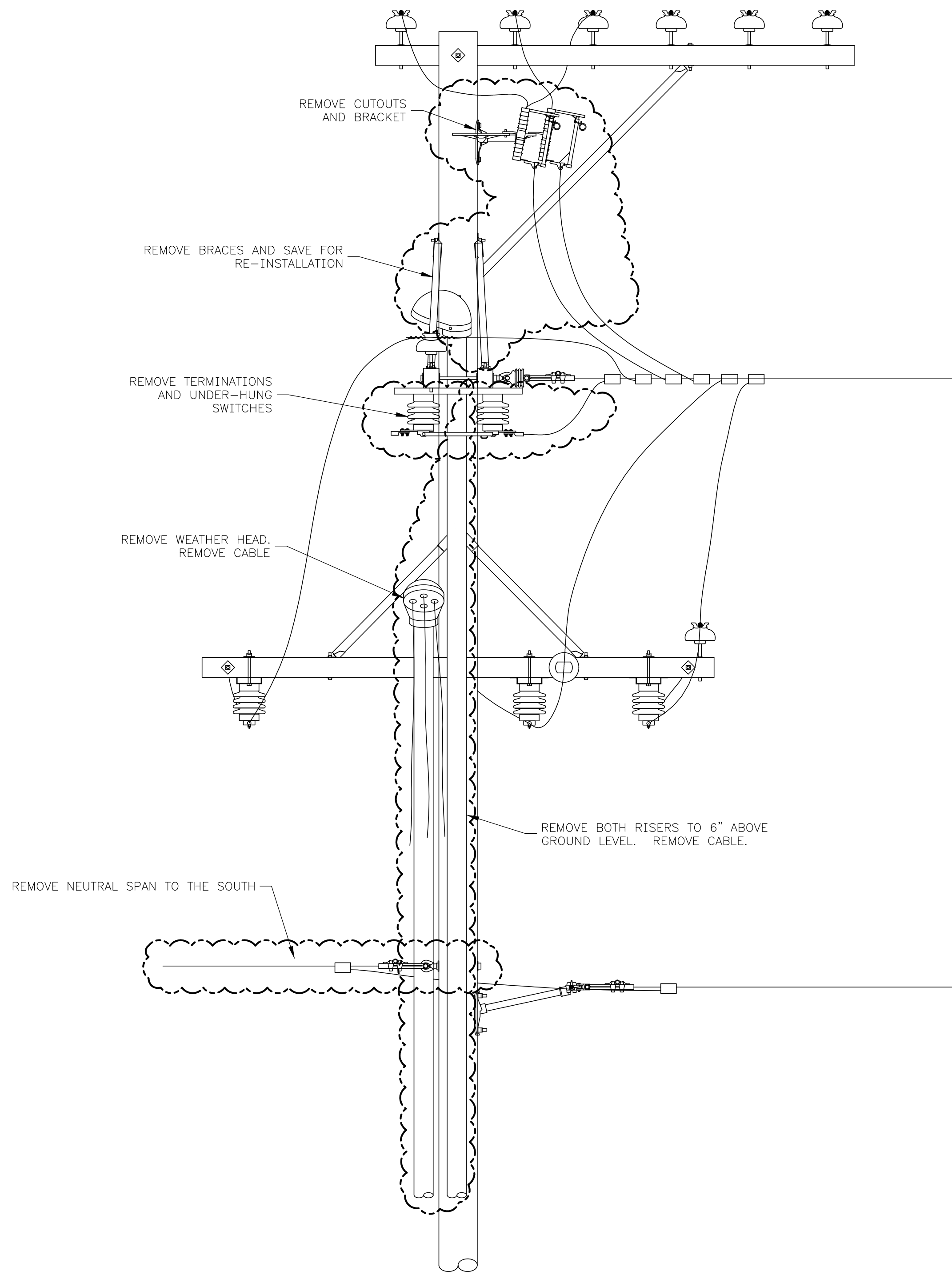
MODULE NUMBER:
E1251-654

SCALE:
NTS

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DWG. NO
E1251-654



NORTHEAST RISER (CIRCUIT #8) REMOVAL
LOOKING NORTH



NORTHEAST RISER (CIRCUIT #8) REMOVAL
LOOKING WEST

ACAD: 22234



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REV	DESCRIPTION	DES	DFTR	APPR	DATE	INCEPTION
A	ORIGINAL DESIGN	P&E	RWB	JAK	2026-08-11	DATE 2026-06-29
						DESIGN P&E
						DFTR RWB
						APPR JAK

**ISSUED
FOR BID PURPOSES ONLY**

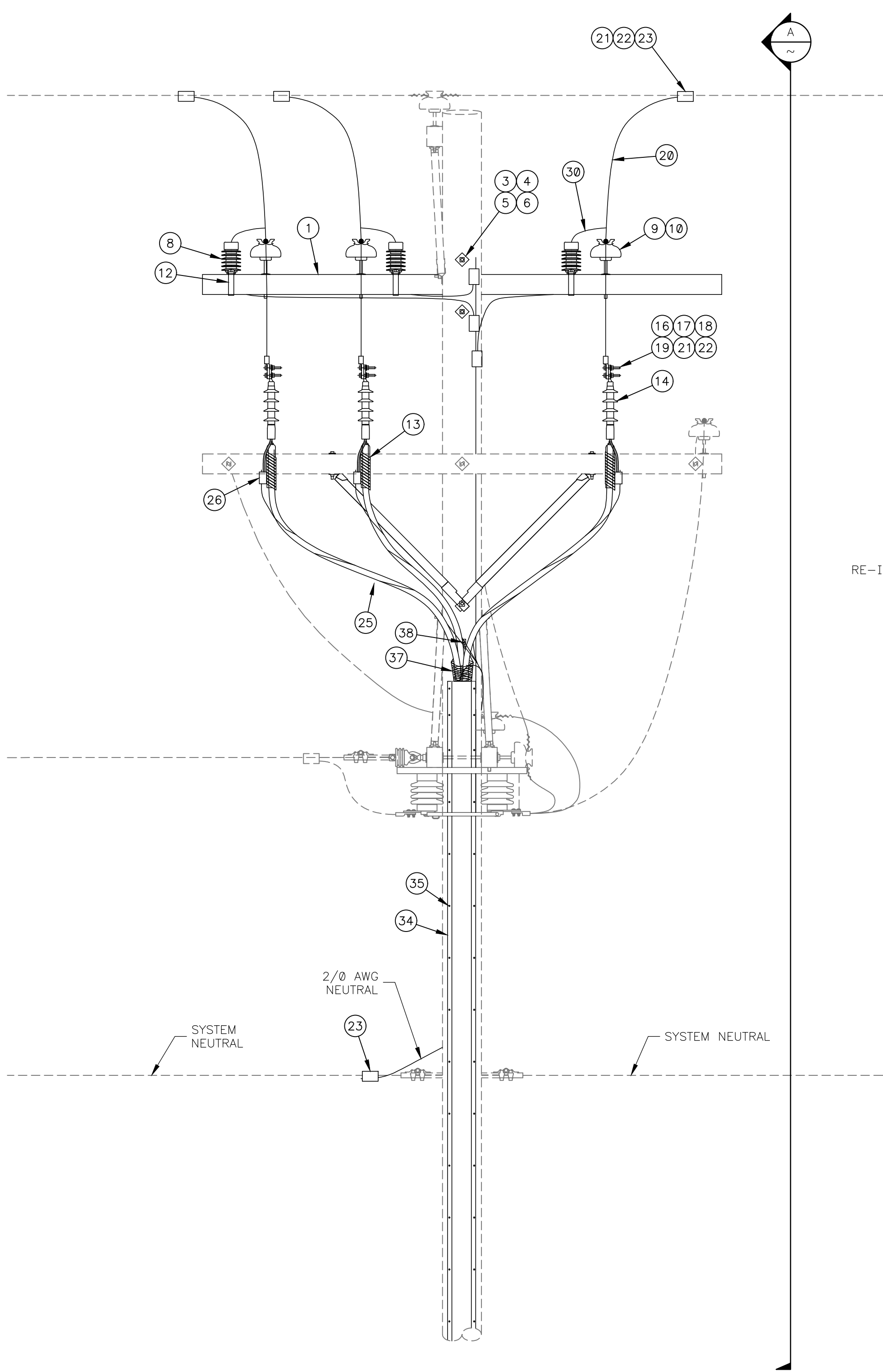
INDIANOLA MUNICIPAL UTILITIES
PLANT SWITCHGEAR ADDITION

RISER POLE DETAILS
NORTH EAST RISER REMOVAL

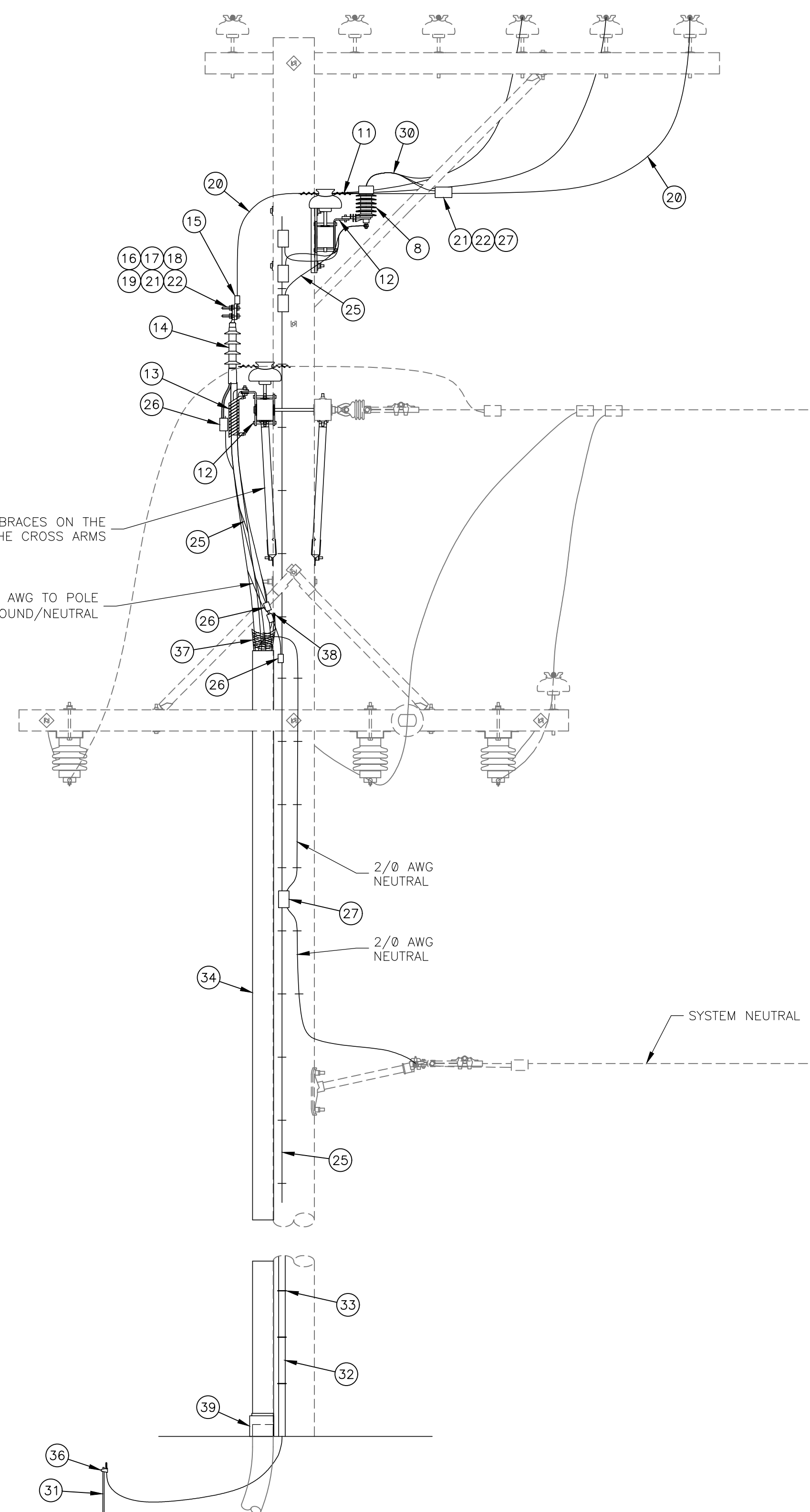
MODULE NUMBER:
N/A

SCALE:
NTS

REV
A
DWG. NO
E1251-655



NORTHEAST RISER (CIRCUIT #8) REMOVAL
LOOKING NORTH



NORTHEAST RISER (CIRCUIT #8) REMOVAL
LOOKING WEST

E1251-656					NORTH EAST RISER POLE - CIRCUIT 8	
ITEM	QTY	MATID	UNIT	DESCRIPTION		
1	1	02239	EA	CROSSARM, FIBERGLASS, 8 FT, WITH TANGENT MOUNT		
2		99999		NOT USED		
3	2	12003	EA	BOLT, MACHINE, 5/8" GALVANIZED, VARIOUS LENGTHS		
4	2	12503	EA	WASHER, SQUARE, FLAT, 5/8", 2-1/4"x2-1/4" GALVANIZED		
5	2	12403	EA	LOCKNUT, 5/8" GALVANIZED		
6	2	12505	EA	WASHER, SQUARE, CURVED, GALVANIZED, 5/8"		
7		99999		NOT USED		
8	3	18001	EA	ARRESTER, SURGE, 2.55 KV MCOV, DIST CLASS, W/O XA BKT		
9	3	10102	EA	PIN, CROSS ARM, 5/8" X 5-3/4" SHANK, 1" NYLON THREADS		
10	3	16001	EA	INSULATOR, 15 KV PIN, PORCELAIN, F-NECK		
11	45	05014	FT	WIRE, TIE, AL OR CU; BARE OR COVERED, PER SPECS		
12	6	10041	EA	BRACKET, "L", WITH BOLTS AND BACK PLATE		
13	3	10055	EA	BRACKET, CABLE POSITIONER		
14	3	40111	EA	TERMINATOR, 5/8KV, 220 MIL, 4/0 STR CU, SHIELDED OUTDOOR, WITH SHEAR BOLT CONNECTOR		
15	3	14067	EA	LUG, COMPRESSION, COPPER, 2 HOLE, 4/0 CU		
16	6	12212	EA	BOLT, 18-8 OR 316 STAINLESS, 1/2"-13 X 2", FULLY THREADED		
17	6	12532	EA	WASHER, BELLEVILLE, STAINLESS, 1/2", 1.142" OD, 4700 LB		
18	6	12362	EA	NUT, 1/2" ALLOY 651, 655 OR 661 SILICON BRONZE		
19	12	12542	EA	WASHER, STAINLESS, FLAT, ROUND, 1/2" USS, 1.375" OD, 0.109" TK		
20	30	05478	FT	WIRE, #4/0 STR CU, TYPE THHN/THWN		
21	3	90106	RL	TAPE, INSULATING, LINERLESS, 1.5" X 30'		
22	3	90101	RL	TAPE, VINYL, 1.5" X 36 YD		
23	4	14267	EA	CONNECTOR, AL COMPRESSION, H-TAP, 3/0-4/0 STR/ACSR TO 3/0-4/0 STR/ACSR		
24	21	05047	FT	WIRE, #4/0 STR COPPER, CLASS B (19 STR), SD, BARE		
25	70	05041	FT	WIRE, #4 SOLID COPPER, SD, BARE		
26	10	14256	EA	CONNECTOR, COPPER CRIMPIT, #6 SOL-4 STR TO #6 SOL-4 STR		
27	4	14222	EA	CONNECTOR, COPPER CRIMPIT, 3/0-4/0 TO #6 SOL-2 STR		
28		99999		NOT USED		
29		99999		NOT USED		
30	10	05473	FT	WIRE, #4 STR CU, TYPE THHN/THWN		
31	1	10404	EA	ROD, GROUND, 5/8" X 10', COPPERWELD		
32	1	10410	FT	MOLDING, GROUND WIRE, 1/2" PLASTIC		
33	30	12550	EA	STAPLE, GROUND WIRE, 2" X 5/8"		
34	2	10379	EA	U-GUARD, 5" PLASTIC, 10 FT SECTION		
35	42	12261	EA	LAG SCREW, WASHER HEAD, 1/4" X 2"		
36	1	14211	EA	CONNECTOR, COMP GRD, 1/2-5/8" ROD OR 1/0-250 KCMIL TO #4 SOL - #2 STR		
37	1	12902	EA	GRIP, WIRE MESH, DOUBLE EYE, CLOSED MESH, 2.50-2.99"		
38	1	12255	EA	LAG SCREW, 1/2" X 4"		
39	1	10393	EA	U-GUARD BASE ADAPTER, 2-6" CONDUIT - 2-6" U-GUARD, POLY		

NOTE:
ALUMINUM CONDUCTOR SHOULD BE THE
UPPER CONDUCTOR OF ALUMINUM TO
COPPER CONNECTIONS.

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REV	DESCRIPTION	DESG	DFTR	APPR	DATE	INCEPTION
A	ORIGINAL DESIGN	P&E	RWB	JAK	2026-08-11	DATE 2026-06-29
						DESG P&E
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**ISSUED
FOR BID PURPOSES ONLY**

INDIANOLA MUNICIPAL UTILITIES
PLANT SWITCHGEAR ADDITION

RISER POLE DETAILS
NORTH EAST RISER ADD
FEEDER 8

MODULE NUMBER:
E1251-656

SCALE:
NTS

REV
A
DWG. NO
E1251-656

MEMORANDUM

To: IMU Board of Trustees of the Electric, Water and Communications Utilities

From:

Date: September 14, 2026

Subject: Resolution approving the plans, specifications, form of contract and estimate of cost for Plant Substation Switchgear Replacement Project - Installation

Recommendation:

Attachments: 1. Resolution approving the plans, specifications, form of contract and estimate of cost for Plant Substation Switchgear Replacement Project - Installati

Indianola Municipal Utilities

RESOLUTION APPROVING THE FINAL PLANS, SPECIFICATIONS, FORM OF CONTRACT, AND ESTIMATED COST FOR THE PLANT SUBSTATION SWITCHGEAR REPLACEMENT PROJECT- INSTALLATION

WHEREAS, the Indianola Municipal Utilities Board Of Trustees has authorized the preparation of the proposed plans, specifications, contract documents, and an estimate of cost for the Plant Substation Switchgear Replacement Project- Installation; and

WHEREAS, the Indianola Municipal Utilities Board of Trustees has deemed it necessary and desirable to undertake the construction of the Project; and

WHEREAS, IMU has provided notice for a public hearing and notice to bidders regarding the proposed plans, specifications, and form of contract for the Project, and the acceptance of bids; and

WHEREAS, a public hearing has been held regarding objections to the proposed plans, specifications, form of contract, and the cost of the Project, and no objections were raised.

NOW, THEREFORE, BE IT RESOLVED by the Indianola Municipal Utilities Board Of Trustees that the plans, specifications, and form of contract, and estimate of cost referred to in the preamble hereof be and the same are hereby approved, and the aforementioned public improvement to be constructed in accordance with the plans, specifications and form of contract is necessary and desirable.

PASSED AND APPROVED this 14th day of September 2026.

Dom Selgrade, Chairperson

ATTEST:

Monica Thompson, Board Secretary

MEMORANDUM

To: IMU Board of Trustees of the Electric, Water and Communications Utilities

From:

Date: September 14, 2026

Subject: Resolution awarding a contract for the Plant Substation Replacement Project-
Installation

Recommendation:

Attachments: 1. Res 2026 Awarding and Approving Contract for Plant Substation Switchgear
Replacement Project - Installation

Indianola Municipal Utilities
RESOLUTION NO 2026

**RESOLUTION AWARDING AND APPROVING CONTRACT FOR PLANT SUBSTATION SWITCHGEAR
REPLACEMENT PROJECT - INSTALLATION**

BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE INDIANOLA MUNICIPAL UTILITIES:

Section 1. The bid from _____ in the amount of _____
for the Plant Substation Switchgear Replacement Project - Installation for Indianola Municipal Utilities,
Indianola, Iowa, described in the plans and specifications previously adopted by this Board on the
22nd day of July 2026, is accepted, it being the lowest and most responsible bid for the project.

Section 2. The IMU General Manager is hereby authorized to execute a contract with the contractor
for the construction of the public improvement, the contract not to be binding on the Board of Trustees
until approved by the Board. The Indianola Municipal Utilities Board of Trustees authorizes the
General Manager to execute all related contract documents contingent upon receipt and approval
of insurance and bond documents.

PASSED AND APPROVED this 14th day of September, 2026.

Dom Selgrade, Chairperson

ATTEST:

Monica Thompson, Board Secretary