

KONGIGANAK RURAL POWER SYSTEM UPGRADE

REG 16109

STAKING SHEETS

ISSUED FOR CONSTRUCTION – JANUARY 2016

GRAY STASSEL ENGINEERING, INC

P.O. BOX 111405

ANCHORAGE, ALASKA 99511-1405

REV. NO.	DATE	DESCRIPTION	BY	GRAY STASSEL ENGINEERING, INC. P.O. BOX 111405 ANCHORAGE, ALASKA 99511 (907) 349-0100										DESIGNER	DATE	KONGIGANAK RURAL POWER SYSTEM UPGRADE
0	1/29/16	ISSUED FOR CONSTRUCTION	CWV											CWV	January 29, 2016	
														CHECKER	DATE	
														TK	January 29, 2016	
														DIST. ENG.	DATE	
														CWV	January 29, 2016	

LOCATION NUMBER	STATION	LINE ANGLE (DEG)	CONDUCTOR			POLE		PRIMARY ASSEMBLY		GUYS		ANCHORS		XFMRS		SECONDARY CONDUCTOR				SECONDARY SERVICE		MISCELLANEOUS CONSTRUCTION UNITS		RIGHT OF WAY	REMARKS/COMMENTS/NOTES
			No.	SIZE/TYPE	Back Span	HEIGHT	CLASS	No.	Units	No.	Units	No.	Units	No.	Units	SERVICE		BACKFEED		No.	Units	No.	Units		
																No.	SIZE/TYPE	Back Span	No.						
STEP-UP XFMR								3 UM6-1 3 UM6-5																	EXISTING STEP-UP TRANSFORMER. SEE PLAN DRAWINGS FOR ADDITIONAL REQUIREMENTS.
1		10	3	#2 JCN, 4" CONDUIT	90	40	4	1 C6.21 4 A1.01L 2 A1.01 1 UC2b	1 E1.4L						1 #2 TRIPLEX				1 N5.2	1 H1-PILE 1 H1.1G				SEE NOTE 1. SEE NOTE 11.	
1-1									1 E1.4L															MODIFY EXISTING STRUCTURE. SEE NOTE 2. SEE NOTE 11.	
1A		11	4	#2 ACSR	210	40	4	1 C2.21	1 E1.1La	1 F7.0	1 G3.3-25	2 #2/0 QUAD	205	1 #2/0 TRIPLEX	2 N5.2 4 N7.4	1 H1-PILE 1 H1.1G								SEE NOTES 1. PROVIDE 3-25 KVA TRANSFORMERS. INSTALL STREET LIGHT.	
1B		10	4	#2 ACSR	170	40	4	1 C2.21 1 S2.32a	1 E1.4L											1 H1-PILE 1 H1.1G				SEE NOTES 1 & 11.	
1B-1						30	4		1 E1.4L	1 F7.0										1 H1-PILE				ANCHOR POLE. SEE NOTE 11.	
1C		22	4	#2 ACSR	55	40	4	1 C6.21 4 A1.01 2 A1.01	1 E1.4L		1 G1.4-37.5	1 #2 TRIPLEX			2 N5.2 1 N7.6	1 H1-PILE 1 H1.1G								SEE NOTES 1, 4, & 11. INSTALL STREET LIGHT.	
1C-1A						35	4		1 E1.4L	1 F7.0				60	1 #2/0 TRIPLEX	3 N5.2	1 H1-PILE							SEE NOTE 11.	
1C-1B						30	4		1 E1.4L	1 F7.0		2 #2 TRIPLEX	70	1 #2/0 TRIPLEX	3 N5.2	1 H1-PILE								SEE NOTE 11. INSTALL STREET LIGHT.	
1C-1C						30						2 #2 TRIPLEX	90	1 #2/0 TRIPLEX	3 N5.2	1 H1-PILE									
1D		7	4	#2 ACSR	110	40	4	1 C2.21			1 G1.4-25	1 #2 TRIPLEX			2 N5.2 1 N7.6	1 H1-PILE 1 H1.1G								SEE NOTE 1. INSTALL STREET LIGHT.	
1D-1						35	4		1 E1.4L	1 F7.0		1 #2 TRIPLEX	30	1 #2/0 TRIPLEX	3 N5.2	1 H1-PILE								SEE NOTE 11.	
1D-1A						30	4		1 E1.1La	1 F7.0		3 #2 TRIPLEX	100	1 #2/0 TRIPLEX	3 N5.2	1 H1-PILE								SEE NOTE 1.	

LOCATION NUMBER	STATION	LINE ANGLE (DEG)	CONDUCTOR			POLE		PRIMARY ASSEMBLY		GUYS		ANCHORS		XFMRS		SECONDARY CONDUCTOR				SECONDARY SERVICE		MISCELLANEOUS CONSTRUCTION UNITS		RIGHT OF WAY	REMARKS/COMMENTS/NOTES	
			No.	SIZE/TYPE	Back Span	HEIGHT	CLASS	No.	Units	No.	Units	No.	Units	SERVICE		BACKFEED		No.	Units	No.	Units					
														No.	SIZE/TYPE	Back Span	No.					SIZE/TYPE				
1D-1B						30	4									1	#2 TRIPLEX	100	1	#2/0 TRIPLEX	1	N5.2	1	H1-PILE		SEE NOTE 1.
1E			4	#2 ACSR	150	40	4	1	C1.11							2	#2 TRIPLEX				2	N5.2	1	H1-PILE		SEE NOTE 1.
1E-1A						30	4			1	E1.1La	1	F7.0			1	#2 TRIPLEX	160	1	#2/0 TRIPLEX	1	N5.2	1	H1-PILE		SEE NOTE 1. INSTALL STREET LIGHT.
1E-1B						30	4			1	E1.1La	1	F7.0			1	#2 TRIPLEX	145	1	#2/0 TRIPLEX	1	N5.2	1	H1-PILE		SEE NOTE 1. INSTALL STREET LIGHT.
1F			4	#2 ACSR	150	40	4	1	C1.11	1	1.4L			1	G1.4-37.5	1	#2 TRIPLEX	150	1	#2/0 TRIPLEX	3	N5.2	1	H1-PILE		SEE NOTES 1 & 11. INSTALL STREET LIGHT.
1FA						30	4			1	1.4L	1	F7.0										1	H1-PILE		SEE NOTE 11.
1F-1						30	4			1	E1.1La	1	F7.0			4	#2 TRIPLEX	135	1	#2/0 TRIPLEX	3	N5.2	1	H1-PILE		SEE NOTE 1. INSTALL STREET LIGHT.
1F-2						30	4			1	E1.1La	1	F7.0			1	#2 TRIPLEX	100	1	#2/0 TRIPLEX	2	N5.2	1	H1-PILE		SEE NOTE 1.
1G			4	#2 ACSR	85	40	4	1	C1.11 1 C5.21 1 N6.1	1	E1.1La	1	F7.0			1	#2 TRIPLEX	85	1	#2/0 TRIPLEX	2	N5.2	1	H1-PILE		SEE NOTE 1.
1G-1			4	#2 ACSR	150	35	4	1	C1.11	1	E1.1La	1	F7.0	1	G1.4-25	1	#2 TRIPLEX				2	N5.2	1	H1-PILE		SEE NOTE 1.
1G-1A						35	4			1	E1.1La	1	F7.0			4	#2 TRIPLEX	120	1	#2/0 TRIPLEX	2	N5.2	1	H1-PILE		SEE NOTE 1. INSTALL STREET LIGHT.
1G-2			4	#2 ACSR	195	35	4	1	C5.21	1	E1.1La	1	F7.0	1	G1.4-25	1	#2 TRIPLEX				2	N5.2	1	H1-PILE		SEE NOTE 1. INSTALL STREET LIGHT.
1G-3						30	4			1	E1.1La	1	F7.0			3	#2 TRIPLEX	85	1	#2/0 TRIPLEX	2	N5.2	1	H1-PILE		SEE NOTE 1. INSTALL STREET LIGHT.
1H			4	#2 ACSR	170	40	4	1	C1.11 1 C5.21 1 N6.1	1	E1.1La	1	F7.0	1	G1.4-25	2	#2 TRIPLEX				2	N5.2	1	H1-PILE		SEE NOTE 1. INSTALL STREET LIGHT.
1H-A						30	4			1	E1.1La	1	F7.0			3	#2 TRIPLEX	95	1	#2/0 TRIPLEX	2	N5.2	1	H1-PILE		SEE NOTE 1. INSTALL STREET LIGHT.

LOCATION NUMBER	STATION	LINE ANGLE (DEG)	CONDUCTOR			POLE		PRIMARY ASSEMBLY		GUYS		ANCHORS		XFMRS		SECONDARY CONDUCTOR				SECONDARY SERVICE		MISCELLANEOUS CONSTRUCTION UNITS		RIGHT OF WAY	REMARKS/COMMENTS/NOTES	
			No.	SIZE/TYPE	Back Span	HEIGHT	CLASS	No.	Units	No.	Units	No.	Units	No.	Units	SERVICE		BACKFEED		No.	Units	No.	Units			
																No.	SIZE/TYPE	Back Span	No.							SIZE/TYPE
1H-1			4	#2 ACSR	130	35	4	1	C1.11													1	H1-PILE		SEE NOTE 1.	
1H-2			4	#2 ACSR	90	35	4	1	C1.11	1	E1.1La	1	F7.0								2	N5.2	1	H1-PILE		SEE NOTE 1. INSTALL STREET LIGHT.
1H-2A						35	4			1	E1.1La	1	F7.0			2	#2 TRIPLEX	125	1	#2/0 TRIPLEX	2	N5.2	1	H1-PILE		SEE NOTES 1 & 5. INSTALL STREET LIGHT.
1H-3			4	#2 ACSR	60	35	4	1	C1.11					1	G1.4-37.5	1	#2 TRIPLEX	60	1	#2/0 TRIPLEX	3	N5.2	1	H1-PILE		SEE NOTE 1.
1H-3A						35	4	1	C1.11							2	#2 TRIPLEX	85	1	#2/0 TRIPLEX	2	N5.2	1	H1-PILE		SEE NOTE 1.
1H-4			4	#2 ACSR	140	35	4	1	C5.21	1	E1.1La	1	F7.0	1	G1.4-37.5	3	#2 TRIPLEX				3	N5.2	1	H1-PILE		SEE NOTE 1. INSTALL STREET LIGHT.
1H-4A						35	4			1	E1.1La	1	F7.0			1	#2 TRIPLEX	145	1	#2/0 TRIPLEX	2	N5.2	1	H1-PILE		SEE NOTE 1.
1H-4B						35	4			1	E1.1La	1	F7.0			5	#2 TRIPLEX	125	1	#2/0 TRIPLEX	2	N5.2	1	H1-PILE		SEE NOTE 1. INSTALL STREET LIGHT.
1I			4	#2 ACSR	185	40	4	1	C1.11					1	G1.4-25	5	#2 TRIPLEX				3	N5.2	1	H1-PILE		SEE NOTE 1.
1J			4	#2 ACSR	170	40	4	1	C1.11	1	E1.1La	1	F7.0			2	#2 TRIPLEX				3	N5.2	1	H1-PILE		SEE NOTE 1. INSTALL STREET LIGHT.
1J-1						30	4			1	E1.1La	1	F7.0			2	#2 TRIPLEX	80	1	#2/0 TRIPLEX	2	N5.2	1	H1-PILE		SEE NOTE 1. INSTALL STREET LIGHT.
1J-2			2	#2 ACSR	120	35	4	2	A5.01	2	E1.1La	2	F7.0			1	#2 TRIPLEX	120	1	#2/0 TRIPLEX	2	N5.2	1	H1-PILE		SEE NOTE 1.
1J-3			2	#2 ACSR	85	35	4			1	E1.1La	1	F7.0	1	G1.4-37.5	2	#2 TRIPLEX	85	1	#2/0 TRIPLEX	2	N5.2	1	H1-PILE		SEE NOTE 1. INSTALL STREET LIGHT.
1K			4	#2 ACSR	155	35	4	1	C5.21	1	E1.1La	1	F7.0	1	G1.4-37.5	1	#2 TRIPLEX	155	1	#2/0 TRIPLEX	2	N5.2	1	H1-PILE		SEE NOTE 1. INSTALL STREET LIGHT.
2		12	4	#2 ACSR	150	35	4	1	C6.21	1	E1.1La	1	F7.0	2	G1.4-25	1	#2 TRIPLEX	150	1	#2/0 TRIPLEX	2	N5.2	1	H1-PILE		SEE NOTE 1, 3, & 4. INSTALL STREET LIGHT.
									N6.1												1	N7.6	1	H1.1G		
									A1.011L																	
									C5.21																	

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			No.	SIZE/TYPE	Back Span	HEIGHT	CLASS	No.	Units	No.	Units	No.	Units	No.	SIZE/TYPE	Back Span	No.	SIZE/TYPE	No.	Units	No.	Units	No.			Units		
																											Service	Backfeed
2A			4	#2 ACSR	145	35	4	1	C6.21 C2.32a													1	H1-PILE H1.1G		SEE NOTES 1 & 7.			
2B		22	4	#2 ACSR	145	35	4	1	C2.52P C5.21	1	E1.1La	1	F7.0				1	#2 TRIPLEX			2	N5.2	1	H1-PILE		SEE NOTE 1 AND 6. INSTALL STREET LIGHT.		
2B-1			4	#2 ACSR	70	35	4	1	C1.11					1	G3.3-25	2	#2/0 QUAD	70	1	#2/0 TRIPLEX	3	N5.2 N7.4	1	H1-PILE H1.1G		SEE NOTE 1. PROVIDE 3-25 KVA TRANSFORMERS.		
2B-2			4	#2 ACSR	145	35	4	2	C5.21	2	E1.1La	1	F7.0	1	G1.6-37.5	3	#2 TRIPLEX	145	1	#2/0 TRIPLEX	3	N5.2 N7.4	1	H1-PILE H1.1G		SEE NOTE 1.		
2B-2A						30	4									4	#2 TRIPLEX	110	1	#2/0 TRIPLEX	3	N5.2	1	H1-PILE		SEE NOTE 1. INSTALL FLOOD LIGHT.		
2B-2B-1						30	4											145	1	#2 TRIPLEX	2	N5.2	1	H1-PILE		SEE NOTE 1.		
2B-2B-2																		150	1	#2 TRIPLEX	1	N5.2				EXISTING POLE. INSTALL STREET LIGHT.		
2C			4	#2 ACSR	275	35	4	1	C1.11														1	H1-PILE		SEE NOTE 1.		
2D			4	#2 ACSR	275	35	4	1	C1.11					1	G1.4-25	1	3 #2 AWG CU IN 2" CONDUIT WITH #6 CU GROUND.				1	N5.2 N7.4	1	H1-PILE H1.1G		SEE NOTES 1 & 8.		
2E			4	#2 ACSR	275	35	4	1	C1.11 A5.01	1	E1.1La	1	F7.0											1	H1-PILE		SEE NOTE 1.	
2E-1			2	#2 ACSR	125	35	4	1	A1.1															1	H1-PILE		SEE NOTE 1.	
2E-2			2	#2 ACSR	125	35	4	1	A5.1	1	E1.1La	1	F7.0	1	G1.6-15	1	#2 TRIPLEX				1	N5.2 N7.4	1	H1-PILE H1.1G		SEE NOTE 1.		
2F			4	#2 ACSR	175	35	4	2	C5.21	2	E1.1La	2	F7.0												1	H1-PILE		SEE NOTE 1.
2G			4	#2 ACSR	225	35	4	1	C1.11																1	H1-PILE		SEE NOTE 1.
2H			4	#2 ACSR	225	35	4	1	C1.11 A5.01	1	E1.1La	1	F7.0									1	N5.2	1	H1-PILE H1.1G		SEE NOTE 1.	

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			No.	SIZE/TYPE	Back Span	HEIGHT	CLASS	No.	Units	No.	Units	No.	Units	No.	Units	SERVICE		BACKFEED		No.	Units	No.	Units		
																No.	SIZE/TYPE	Back Span	No.						
2H-1			2	#2 ACSR	135	35	4	1	A5.1	1	E1.1La	1	F7.0	1	G1.6-15	1	#2 TRIPLEX			1	N5.2	1	H1-PILE	SEE NOTE 1. INSTALL STREET LIGHT.	
2I		17	4	#2 ACSR	225	35	4	1	C5.21	2	E1.1La	2	F7.0									1	H1-PILE	SEE NOTE 1.	
2J			2	#2 ACSR	225	35	4	1	A1.1													1	H1-PILE	SEE NOTE 1.	
2K			2	#2 ACSR	220	35	4	1	A5.1	1	E1.1La	1	F7.0	1	G1.6-25	1	#2 TRIPLEX			2	N5.2	1	H1-PILE	SEE NOTE 1.	
2K-1A						30	4			1	E1.1La	1	F7.0			1	#2 TRIPLEX	165	1	#2/0 TRIPLEX	2	N5.2	1	H1-PILE	SEE NOTE 1.
2K-1B						30	4			1	E1.1La	1	F7.0			1	#2 TRIPLEX	185	1	#2/0 TRIPLEX	2	N5.2	1	H1-PILE	SEE NOTE 1.
3			4	#2 ACSR	215	35	4	1	S2.32b	1	E1.1La	1	F7.0			1	#2 TRIPLEX	215	1	#2/0 TRIPLEX	2	N5.2	1	H1-PILE	SEE NOTES 1 & 12. INSTALL STREET LIGHT.
3A			3	#2 JCN	30			1	UM33a	6	UM6-1	3	UM6-15	3	UM6-21							6	UM6-10	INSTALL UM6-12 AT 100 FOOT INTERVALS BETWEEN LOCATIONS 3A AND 4A.	
3B					30	4												80	1	#6 DUPLEX	1	N5.2	1	H1-PILE	INSTALL FLOOD LIGHT.
4			3	#2 JCN	30	35	4	1	C5.21	1	E1.1La	1	F7.0			2	#2 TRIPLEX			1	N5.2	1	H1-PILE	SEE NOTE 1. INSTALL STREET LIGHT.	
4A			3	#2 JCN	975			1	UM33a	6	UM6-1	3	UM6-15	3	UM6-21							6	UM6-10	INSTALL UM6-12 AT 100' INTERVALS BETWEEN LOCATIONS 3A & 4A.	
4B					30	4												60	1	#6 DUPLEX	1	N5.2	1	H1-PILE	INSTALL FLOOD LIGHT.
5			4	#2 ACSR	195	35	4	1	C1.11					1	G1.4-37.5	5	#2 TRIPLEX	195	1	#2/0 TRIPLEX	3	N5.2	1	H1-PILE	SEE NOTE 1. INSTALL STREET LIGHT.
6			4	#2 ACSR	200	35	4	1	C1.11					1	G1.4-37.5	5	#2 TRIPLEX			3	N5.2	1	H1-PILE	SEE NOTE 1. INSTALL STREET LIGHT.	
7			4	#2 ACSR	170	35	4	1	C1.11					1	G1.4-37.5	3	#2 TRIPLEX			3	N5.2	1	H1-PILE	SEE NOTE 1.	

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			No.	SIZE/TYPE	Back Span	HEIGHT	CLASS	No.	Units	No.	Units	No.	Units	SERVICE		BACKFEED		No.	Units	No.	Units				
														No.	SIZE/TYPE	Back Span	No.					SIZE/TYPE			
7-1		35	4	#2 ACSR	80	35	4	1	C6.21	1	E1.1La	1	F7.0			1	#2 TRIPLEX	80	1	#2/0 TRIPLEX	1	N5.2	1	H1-PILE	SEE NOTE 1.
8			4	#2 ACSR	70	35	4	1	C1.11							2	#2 TRIPLEX	70	1	#2/0 TRIPLEX	3	N5.2	1	H1-PILE	SEE NOTE 1. INSTALL STREET LIGHT.
9			4	#2 ACSR	170	35	4	1	C1.11			1	G1.4-37.5	6	#2 TRIPLEX					3	N5.2	1	H1-PILE	SEE NOTE 1.	
																				1	N7.6	1	H1.1G		
10		14	4	#2 ACSR	200	35	4	1	C2.21	1	E1.1La	1	F7.0	1	G1.4-37.5	4	#2 TRIPLEX			3	N5.2	1	H1-PILE	SEE NOTE 1. INSTALL STREET LIGHT.	
																				1	N7.6	1	H1.1G		
11			4	#2 ACSR	180	35	4	2	C2.21	1	E1.1La	1	F7.0			4	#2 TRIPLEX			3	N5.2	1	H1-PILE	SEE NOTE 1.	
12			4	#2 ACSR	125	35	4	1	C1.11					1	G1.4-37.5	3	#2 TRIPLEX	125	1	#2/0 TRIPLEX	3	N5.2	1	H1-PILE	SEE NOTE 1. INSTALL STREET LIGHT.
																				1	N7.6	1	H1.1G		
13																									EXISTING LOCATION.
14														1	G1.4-37.5					1	N7.6	1	H1.1G		EXISTING LOCATION. NOTE 10. INSTALL STREET LIGHT.
15														1	G1.4-37.5					1	N7.6	1	H1.1G		EXISTING LOCATION. NOTE 10. INSTALL STREET LIGHT.
15A						30	4			1	E1.1La	1	F7.0			4	#2 TRIPLEX	145	1	#2/0 TRIPLEX	2	N5.2	1	H1-PILE	SEE NOTE 1. INSTALL STREET LIGHT.
18									1	C6.21													1	H1.1G	EXISTING LOCATION. SEE NOTES 1 AND 6.
									1	C2.32a															
29									1	S2.32b													1	H1.1G	EXISTING LOCATION. SEE NOTES 1 AND 7.

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			No.	SIZE/TYPE	Back Span	HEIGHT	CLASS	No.	Units	No.	Units	No.	Units	SERVICE		BACKFEED		No.	Units	No.	Units				
														No.	SIZE/TYPE	Back Span	No.					SIZE/TYPE			

STAKING SHEET NOTES:

1. SEE PROJECT DETAIL DRAWINGS FOR MODIFIED RUS CONSTRUCTION UNITS.
2. REMOVE THE EXISTING PRIMARY UNITS AND UNDERGROUND RISER BACK TO THE EXISTING STEP-UP TRANSFORMER. CONVERT POLE INTO OVERHEAD GUY POLE. USE THE EXISTING ANCHOR AND GUY FROM POLE 1-1 TO THE POWERHOUSE STRUCTURE.
3. PROVIDE FIVE (5) EXTRA F7.0 ANCHORS, COMPLETE AS INDICATED ON THE DRAWING. THE EXTRA QUANTITY SHALL BE IN ADDITION TO ALL F7.0 ANCHORS USED DURING THE CONSTRUCTION OF THE PROJECT.
4. INSTALL ITEM bo ON PHASE B AS INDICATED BY NOTE 2 OF UNIT C6.21.
5. INSTALL 120 VOLT METER AND BASE ON THE POLE WITH THE CENTER OF THE METER AT 5'-0" ABOVE GRADE LEVEL. INSTALL UNISTRUT SUPPORT ON THE PILE AS REQUIRED. THE METER BASE SHALL BE NEMA 3R WITH RINGLESS COVER. INSTALL 1-1/4" CONDUIT RISER UP TO THE LIGHT WITH WEATHERHEAD. ROUTE POWER SUPPLY FOR LIGHT THROUGH METER.
6. REMOVE THE EXISTING CONSTRUCTION UNIT AND INSTALL UNITS INDICATED.
7. INSTALL VERTICAL 3-PHASE, GANG OPERATED SWITCH SIMILAR TO CONSTRUCTION UNIT S2.32b. MODIFY EXISTING STRUCTURE AS REQUIRED FOR NEW SWITCH. LOWER THE EXISTING THREE-PHASE MOUNTING BRACKET WITH CABLE TERMINATORS AND ARRESTERS TO A POINT THAT WILL COORDINATE WITH THE NEW SWITCH. CUT THE EXISTING THREE 2" CONDUIT AND THE PRIMARY CABLE AS REQUIRED. RELOCATE THE EXISTING TOP CONDUIT SUPPORT AS REQUIRED. INSTALL #2ACSR JUMPERS BETWEEN THE EXISTING FUSED CUTOUPS TO THE NEW GANG OPERATED SWITCH. INSTALL CONDUIT BUSHINGS ON THE CONDUITS AND NEW OUTDOOR 15 KV CABLE TERMINATORS AS SPECIFIED. LOWER THE NEUTRAL AND TELEPHONE CABLE AS REQUIRED. INSTALL SCOTCH PRODUCT NO. 8429-12 COLST SHRINK CONNECTOR AT THE CONDUIT END TO SEAL THE CONDUIT.
8. INSTALL RISER ON POLE USING 2" GALVANIZED RIGID CONDUIT FROM A POINT A MINIMUM OF 12' FROM GRADE LEVEL DOWN TO BOM ITEM 3. INSTALL WEATHERHEAD ON CONDUIT RISER. INSTALL BOM ITEM 3 AT MAXIMUM 5'-6" ABOVE GRADE LEVEL. INSTALL HOT DIP GALVANIZED UNISTRUT SUPPORT ON THE H-PILE AS REQUIRED. ROUTE 2" GALVANIZED RIGID CONDUIT FROM THE DISCONNECT SWITCH TO THE EXISTING METERING ENCLOSURE AT THE TANK FARM. ROUTE CONDUIT BENEATH OR BESIDE THE EXISTING BOARDWALK AS INDICATED ON THE PLAN DRAWINGS. INSTALL 3#2 AWG, 600 VOLT, THHW COPPER CABLE, WITH #6 GREEN INSULATED COPPER GROUND CONDUCTOR, FROM THE RISER TO THE DISCONNECT SWITCH AND FROM THE DISCONNECT SWITCH TO THE METERING ENCLOSURE AT THE TANK FARM.
9. INSTALL UC2 AS INDICATED ON THE RUS CONSTRUCTION UNIT EXCEPT THE CABLE RISER SHIELD SHALL BE REPLACED WITH A 4" GALVANIZED RIGID CONDUIT AND SHALL BE INSTALLED IN ACCORDANCE WITH UNIT UC2a, AS INDICATED ON THE DRAWINGS.
10. RECONNECT EXISTING SECONDARY CONDUCTORS, INCLUDING SERVICE CONDUCTORS AND BACKSPAN CONDUCTORS, TO THE NEW TRANSFORMER.
11. CONSTRUCTION UNIT E1.4L SHALL BE MODIFIED TO USE PREFORMED DEADENDS IN LIEU OF THAT SHOWN ON THE RUS DRAWING.