

**NAPASKIAK
DISTRIBUTION UPGRADE PROJECT**

STAKING SHEETS

**ISSUED FOR CONSTRUCTION
MAY 2026**

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD, SUITE 300
ANCHORAGE, ALASKA 99503

REV. NO.	DATE	DESCRIPTION	BY	CRW ENGINEERING GROUP, LLC 3940 ARCTIC BLVD, SUITE 300 ANCHORAGE, ALASKA 99503 (907) 562-3252	DESIGNER	DATE	NAPASKIAK DISTRIBUTION UPGRADES PROJECT
0	5/18/26	ISSUED FOR CONSTRUCTION	TRK		TRK	May 18, 2026	
					CHECKER	DATE	
					TRK	May 18, 2026	
					DIST. ENG.	DATE	
					TRK	MAY 18, 20206	

STAKING SHEETS SHOW ONLY LOCATION WHERE NEW WORK IS REQUIRED.

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.	SIZE/TYPE	Back Span	No.	SIZE/TYPE	No.	Units	No.	Units			
																							Service		

BASE BID WORK

2														1	G1.4-10 120/240V 1-PHASE	2	EXISTING						1	H1.1 N7.6		EXISTING POLE. REPLACE XFMR. PROVIDE NEW #2 ACSR JUMPERS. CONNECT CONDUCTORS TO NEW XFMR.	
4														1	G1.4-25 120/240V 1-PHASE	2	EXISTING						1	H1.1 N7.6		EXISTING POLE. RESET POLE AND RE-TENSION GUY. REPLACE XFMR. PROVIDE #2 ACSR JUMPERS. CONNECT CONDUCTORS TO NEW XFMR.	
4B																2	EXISTING					1	J3.1		EXISTING POLE. CONNECT NEW TO EXISTING SECONDARY		
4C									1	E1.1La	1	F3.10				1	#4 TRIPLEX	140		1	#4 TRIPLEX	2	J3.1		EXISTING POLE. RESET POLE. INSTALL NEW GUY AND ANCHOR.		
5-1														1	G1.4-15 120/240V 1-PHASE								1	H1.1 N7.6		EXISTING POLE. REPLACE XFMR. PROVIDE NEW #2 ACSR JUMPERS. CONNECT CONDUCTORS TO NEW XFMR.	
5-2																									EXISTING POLE. RESET POLE AND RE-TENSION GUY.		
5-3														1	G1.4-15 120/240V 1-PHASE	2	EXISTING						1	H1.1 N7.6		EXISTING POLE. RESET POLE AND RE-TENSION GUYS. REPLACE XFMR. PROVIDE #2 ACSR JUMPERS. CONNECT CONDUCTORS TO NEW XFMR.	
5-3-1																1	EXISTING								EXISTING POLE. RESET POLE. CONNECT NEW TO EXISTING SECONDARY		
5-3-2									2	E1.1La	2	F3.10		1	G1.4-25 120/240V 1-PHASE	2	EXISTING	175		1	#1/0 TRIPLEX	3	J3.1	1	H1.1 N7.6		EXISTING POLE. RESET POLE, REMOVE GUYS/ANCHORS. INSTALL NEW GUYS AND ANCHORS. REPLACE XFMR. PROVIDE #2 ACSR JUMPERS. CONNECT CONDUCTORS TO NEW XFMR.

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				
BASE BID WORK																										
5-3-4													1	G1.4-15 120/240V 1-PHASE	1	EXISTING					1	J3.1	1	H1.1 N7.6		EXISTING POLE. REPLACE XFMR. PROVIDE NEW #2 ACSR JUMPERS. CONNECT CONDUCTORS TO NEW XFMR.
5-3-4A																			141	1	#1/0 TRIPLEX	2	J3.1			EXISTING POLE.
5-3-4B					40	4			1	E1.1La	1	F3.10							132	1	#1/0 TRIPLEX	2	J3.1			NEW POLE
5-3-4C					40	4			1	E1.1La	1	F3.10			1	#4 TRIPLEX	116	1	#1/0 TRIPLEX	2	J3.1					NEW POLE INSTALL SALVAGED LIGHT ON NEW POLE
18													1	G1.4-25 120/240V 1-PHASE	1	EXISTING							1	H1.1 N7.6		EXISTING POLE. REPLACE XFMR. PROVIDE #2 ACSR JUMPERS. CONNECT CONDUCTORS TO NEW XFMR.
22									1	E1.1La	1	F3.10										1	J3.1			EXISTING POLE. INSTALL NEW GUY AND ANCHOR. CONNECT NEW TO EXISTING SECONDARY
22A					35	4			2	E1.1La	2	F3.10			1	#4 TRIPLEX 1 #1/0 TRIPLEX	120	1	#1/0 TRIPLEX	3	J3.1					NEW POLE INSTALL SALVAGED LIGHT ON NEW POLE
24													1	G1.4-25 120/240V 1-PHASE	1	EXISTING					1	J3.1	1	H1.1 N7.6		EXISTING POLE. RESET POLE AND RE-TENSION GUY. REPLACE XFMR. PROVIDE #2 ACSR JUMPERS. CONNECT CONDUCTORS TO NEW XFMR.
24A					35	4									1	#4 TRIPLEX	75	1	#2 TRIPLEX	2	J3.1					NEW POLE
25									1	E1.1La	1	F3.10			1	EXISTING										EXISTING POLE. INSTALL NEW GUY AND ANCHOR. CONNECT NEW TO EXISTING SECONDARY
25A									1	E1.1La	1	F3.10							130	1	#2 TRIPLEX	2	J3.1			EXISTING POLE. RESET POLE AND RE-TENSION GUY. INSTALL NEW GUY AND ANCHOR.
25B					35	4									1	#4 TRIPLEX	70	1	#2 TRIPLEX	2	J3.1					NEW POLE ATTACH TELECOM TO NEW POLE.

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				
BASE BID WORK																										
27										2	E1.1La	2	F3.10													EXISTING POLE. RESET POLE AND RE-TENSION GUYS. INSTALL NEW GUYS AND ANCHORS.
29														1	G1.4-25 120/240V 1-PHASE	1	EXISTING							1	H1.1 1N7.6	EXISTING POLE. RESET POLE AND RE-TENSION GUY. REPLACE XFMR. PROVIDE #2 ACSR JUMPERS. CONNECT CONDUCTORS TO NEW XFMR. CONNECT TO OVERHEAD GUY.
29A					45	4				1	E1.4L 1E1.1La	1	F3.10												NEW POLE. INSTALL OVERHEAD GUY	
ADD ALT 1 WORK																										
5A										1	E1.1La	1	F3.10	1	G1.4-15 120/240V 1-PHASE	2	EXISTING #4 TRIPLEX							1	H1.1 1N7.6	EXISTING POLE. REPLACE XFMR. PROVIDE NEW #2 ACSR JUMPERS. INSTALL NEW GUY AND ANCHOR. CONNECT CONDUCTORS TO NEW XFMR.
5B																1	EXISTING								EXISTING POLE. RESET POLE AND RE-TENSION GUY.	
5-2-1														1	G1.4-25 120/240V 1-PHASE	1	EXISTING							1	H1.1 1N7.6	EXISTING POLE. REPLACE XFMR. PROVIDE NEW #2 ACSR JUMPERS. CONNECT CONDUCTORS TO NEW XFMR.
5-4																1	EXISTING								EXISTING POLE. RESET POLE AND RE-TENSION GUYS.	
5-5																									EXISTING POLE. RESET POLE AND RE-TENSION GUY.	
5-6																2	EXISTING								EXISTING POLE. RESET POLE AND RE-TENSION GUY.	
5-7																1	EXISTING								EXISTING POLE. RESET POLE AND RE-TENSION GUYS. REMOVE (1) GUY/ANCHOR PER PLANS. CONNECT NEW OVERHEAD GUY.	

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	No.			Units
ADD ALT 1 WORK																										
5-7A						45	4			1	E1.4L	1	F3.10													NEW POLE INSTALL OVERHEAD GUY
										1	E1.1La															
5-8														1	G1.4-25 120/240V 1-PHASE	4	EXISTING							1	H1.1 1 N7.6	EXISTING POLE. REPLACE XFMR. PROVIDE NEW #2 ACSR JUMPERS. CONNECT CONDUCTORS TO NEW XFMR.
5-9														1	G1.4-15 120/240V 1-PHASE	3	EXISTING							1	H1.1 1 N7.6	EXISTING POLE. REPLACE XFMR. PROVIDE NEW #2 ACSR JUMPERS. CONNECT CONDUCTORS TO NEW XFMR.
6										2	E1.1La	2	F3.10			3	#4 TRIPLEX	120		1	#1/0 TRIPLEX	3	J3.1			EXISTING POLE CONNECT NEW TO EXISTING SECONDARY
6A						35	4			2	E1.1La	2	F3.10			3	#4 TRIPLEX	120		1	#1/0 TRIPLEX	3	J3.1			NEW POLE
7A										1	E1.1La	1	F3.10			2	EXISTING	115		1	#1/0 TRIPLEX	1	J3.1			EXISTING POLE CONNECT NEW TO EXISTING SECONDARY
ADD ALT 2 WORK																										
18B										1	E1.1La	1	F3.10			1	EXISTING									EXISTING POLE. RESET POLE. INSTALL NEW GUYS AND ANCHORS.
20														1	G1.4-25 120/240V 1-PHASE	1	EXISTING							1	H1.1 1 N7.6	EXISTING POLE. REPLACE XFMR. PROVIDE #2 ACSR JUMPERS. CONNECT CONDUCTORS TO NEW XFMR.
20B										1	E1.1La	1	F3.10			2	EXISTING									EXISTING POLE. RESET POLE, REMOVE GUY/ANCHOR. INSTALL NEW GUY AND ANCHOR.
21										1	E1.1La	1	F3.10	1	G1.4-25 120/240V 1-PHASE									1	H1.1 1 N7.6	EXISTING POLE. RESET POLE. INSTALL NEW GUY AND ANCHOR. REPLACE XFMR. PROVIDE #2 ACSR JUMPERS. CONNECT CONDUCTORS TO NEW XFMR.

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					
ADD ALT 3 WORK																											
24-3														1	G1.4-15 120/240V 1-PHASE	2	EXISTING							1	H1.1 N7.6		EXISTING POLE. REPLACE XFMR. PROVIDE #2 ACSR JUMPERS. CONNECT CONDUCTORS TO NEW XFMR.
24-6								1	A5.1	1	E1.1La	1	F3.10	1	G1.4-10 120/240V 1-PHASE							1	J3.1	1	H1.1 N7.6		EXISTING POLE. RESET POLE AND RE-TENSION GUYS. INSTALL NEW GUY AND ANCHOR. REPLACE XFMR. PROVIDE #2 ACSR JUMPERS. CONNECT NEW TO EXISTING PRIMARY.
24-7		110	2	#2 ACSR	175	45	4	1	A1.1							1	#4 TRIPLEX	110	1	#1/0 TRIPLEX	3	J3.1				NEW POLE.	
24-8		115	2	#2 ACSR	110	45	4	1	A2.1	1	E1.1La	1	F3.10			1	#4 TRIPLEX	115	1	#1/0 TRIPLEX	2	J3.1				NEW POLE.	
24-9			2	#2 ACSR	115	45	4	1	A5.1	2	E1.1La	2	F3.10	1	G1.4-15 120/240V 1-PHASE			115	1	#1/0 TRIPLEX	1	J3.1	1	H1.1 N7.6		NEW POLE.	
24-9A																		55	1	#1/0 TRIPLEX	1	J3.1				EXISTING POLE. CONNECT NEW TO EXISTING SECONDARY	
24-9B																										EXISTING POLE. RESET POLE AND RE-TENSION GUY.	
29-3										1	E1.1La	1	F3.10	1	G1.4-25 120/240V 1-PHASE	1	EXISTING							1	H1.1 N7.6		EXISTING POLE. RESET POLE AND RE-TENSION GUY. INSTALL NEW GUY AND ANCHOR. REPLACE XFMR. PROVIDE #2 ACSR JUMPERS. CONNECT CONDUCTORS TO NEW XFMR.
29-4														1	G1.4-15 120/240V 1-PHASE	2	EXISTING							1	H1.1 N7.6		EXISTING POLE. REPLACE XFMR. PROVIDE #2 ACSR JUMPERS. CONNECT CONDUCTORS TO NEW XFMR.

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				
ADD ALT 4 WORK																										
30A										1	E1.1La	1	F3.10			2	EXISTING									EXISTING POLE. INSTALL NEW GUY AND ANCHOR.
31														1	G1.4-25 120/240V 1-PHASE	1	EXISTING						1	H1.1 N7.6		EXISTING POLE. REPLACE XFMR. PROVIDE #2 ACSR JUMPERS. CONNECT CONDUCTORS TO NEW XFMR.
31B										2	E1.1La	2	F3.10			2	EXISTING									EXISTING POLE. RESET POLE. INSTALL NEW GUYS AND ANCHORS.
32														1	G3.3-15 208Y120V 3-PHASE								1	H1.1		EXISTING POLE. REPLACE XFMRs. PROVIDE #2 ACSR JUMPERS. CONNECT CONDUCTORS TO NEW XFMR.
34														1	G1.4-25 120/240V 1-PHASE	1	EXISTING						1	H1.1 N7.6		EXISTING POLE. REPLACE XFMR. PROVIDE #2 ACSR JUMPERS. CONNECT CONDUCTORS TO NEW XFMR.
35														1	G1.4-25 120/240V 1-PHASE								1	H1.1 N7.6		EXISTING POLE. REPLACE XFMR. PROVIDE #2 ACSR JUMPERS. CONNECT CONDUCTORS TO NEW XFMR.
36																3	EXISTING					1	J3.1			EXISTING POLE. CONNECT NEW TO EXISTING SECONDARY
37																2	EXISTING	140		1	#1/0 TRIPLEX	1	J3.1			EXISTING POLE. CONNECT NEW TO EXISTING SECONDARY
38														1	G1.4-25 120/240V 1-PHASE	1	EXISTING						1	H1.1 N7.6		EXISTING POLE. REPLACE XFMR. PROVIDE #2 ACSR JUMPERS. CONNECT CONDUCTORS TO NEW XFMR.

STAKING SHEET NOTES:

- SEE PROJECT DETAIL DRAWINGS FOR MODIFIED RUS CONSTRUCTION UNITS. UNLESS OTHERWISE INDICATED, GUY LEADS SHALL BE 30 FEET.
- ON THE RUS CONSTRUCTION UNIT G1.4 AND G1.5 AN ARMOR ROD IS INDICATED AT THE CONNECTION TO THE LINE WITH A HOT LINE CLAMP. DO NOT INSTALL SURGE ARRESTERS ON TRANSFORMERS.