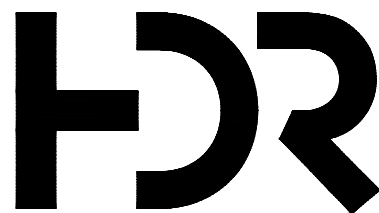


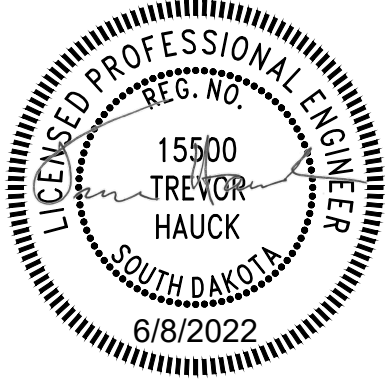
PRIMARY POLE SCHEDULE CONSTRUCTION UNIT SUMMARY																																			
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*GENERAL NOTE: DRAWINGS REFLECT GROUNDED WYE CONSTRUCTION, PENDING UTILITY CONFIRMATION ON CONSTRUCTION STANDARDS.																																			

PRIMARY POLE SCHEDULE								
POLE ID	LAT	LONG	Height-Class	DIST (ft)*	WIRE	PHASE	PRIMARY ASSEMBLIES	NOTES
EX	44°21'2.76"N	103°45'3.87"W				ABC	3) VA5.1 (SINGLE DEADEND) 2) TM-4 (OHGW ASSEMBLIES)	SURF PRIMARY INTERCONNECT SLACK SPAN BETWEEN EX1 AND 1 FRAME STATIC ATTACHMENTS 0.5' BELOW POLE TOP FRAME PRIMARY ATTACHMENTS 8.5' BELOW POLE TOP
1	44°21'3.16"N	103°45'3.82"W	55-H2	40	3) 556.5 ACSR 3/8" EHS STEEL	ABC	2) VC5.71L (SINGLE DEADEND ON CROSSARM ASSEMBLY) 2) TM-4 (OHGW ASSEMBLIES) H1.1 (GROUNDING ASSEMBLY - GROUND ROD TYPE) 3) TG-22A-GSI (GUY ASSEMBLY WITH GUY GRIPS AND GUY STRAIN INSULATOR) 3) TA-3H (POWER INSTALLED SCREW ANCHOR) 3) TM-GM (GUY MARKER)	43.35° RIGHT TURN SLACK SPAN IN BACKSPAN TO EX1 EMBED POLE EXTRA 3' DEEP FRAME INCOMING STATIC ATTACHMENT 0.5' & 1.0' BELOW POLE TOP FRAME INCOMING PRIMARY CROSSARM 9.0' BELOW POLE TOP FRAME OUTGOING STATIC ATTACHMENT 1.5' BELOW POLE TOP FRAME OUTGOING PRIMARY CROSSARM 13.0' BELOW POLE TOP SOUTHWEST INLINE GUY OFF CROSSARM LEAD LENGTH = 30', 40' SOUTHWEST INLINE GUY OFF STATIC LEAD LENGTH = 50'
2	44°21'4.16"N	103°45'2.22"W	45-H2	155	3) 556.5 ACSR 3/8" EHS STEEL	ABC	2) VC5.71L (SINGLE DEADEND ON CROSSARM ASSEMBLY) 2) TM-4 (OHGW ASSEMBLIES) H1.1 (GROUNDING ASSEMBLY - GROUND ROD TYPE) 6) TG-22A-GSI (GUY ASSEMBLY WITH GUY GRIPS AND GUY STRAIN INSULATOR) 6) TA-3H (POWER INSTALLED SCREW ANCHOR) 6) TM-GM (GUY MARKER)	34.40° LEFT TURN EMBED POLE EXTRA 2' DEEP FRAME INCOMING STATIC ATTACHMENT 0.5' BELOW POLE TOP FRAME INCOMING PRIMARY CROSSARM 8.5' BELOW POLE TOP FRAME OUTGOING STATIC ATTACHMENT 1.0' BELOW POLE TOP FRAME OUTGOING PRIMARY CROSSARM 12.5' BELOW POLE TOP SOUTH INLINE GUY OFF CROSSARM LEAD LENGTH = 10', 15, 20' NORTHEAST INLINE GUY OFF CROSSARM LEAD LENGTH = 20', 30' EAST ANGLE BISECTOR GUY OFF STATIC LEAD LENGTH = 20'
3	44°21'6.18"N	103°45'1.51"W	45-H1	205	3) 556.5 ACSR 3/8" EHS STEEL	ABC	VC6.21 (DOUBLE DEADEND ON CROSSARMS (LARGE CONDUCTORS)) 2) TM-4 (OHGW ASSEMBLIES) H1.1 (GROUNDING ASSEMBLY - GROUND ROD TYPE) 4) TG-22A-GSI (GUY ASSEMBLY WITH GUY GRIPS AND GUY STRAIN INSULATOR) 4) TA-3H (POWER INSTALLED SCREW ANCHOR) 4) TM-GM (GUY MARKER)	SLACK SPAN BETWEEN 3 AND 4 INSTALL STATIC ATTACHMENT 0.5' BELOW POLE TOP INSTALL PRIMARY CROSSARM 8.5' BELOW POLE TOP NORTH SPREAD GUY OFF XARM LEAD LENGTH = 15', 15' @ 20° DEG NORTH SPREAD GUY OFF STATIC LEAD LENGTH = 25', 25' @ 20 DEG
4	44°21'6.42"N	103°45'1.42"W	45-H1	40	3) 556.5 ACSR 3/8" EHS STEEL	ABC	VC5.71L (SINGLE DEADEND ON CROSSARM ASSEMBLY) TM-4 (OHGW ASSEMBLIES) H4.1 (GROUNDING ASSEMBLY - PLATFORM TYPE (FOR SECTIONALIZING AIRBREAK SWITCH)) S2.32 (GROUP-OPERATED AIRBREAK SWITCH (THREE-PHASE)) 2) UC1 (THREE PHASE CABLE TERMINAL POLE WITH CUTOUTS AND CROSSARM MOUNTING ARRESTERS) TG-22A-GSI (GUY ASSEMBLY WITH GUY GRIPS AND GUY STRAIN INSULATOR) TA-3H (POWER INSTALLED SCREW ANCHOR) TM-GM (GUY MARKER)	SLACK SPAN IN BACKSPAN TO 3 INSTALL STATIC ATTACHMENT 0.5' BELOW POLE TOP INSTALL PRIMARY CROSSARM 8.5' BELOW POLE TOP NORTH INLINE GUY OFF CROSSARM LEAD LENGTH = 5' INSTALL GROUP-OPERATED AIR BREAK SWITCH INSTALL TWO RISERS FOR PARALLEL 3Ø 500 KCMIL UNDERGROUND
GENERAL NOTES: 1. LENGTHS ARE APPROXIMATE POINT-TO-POINT DISTANCES FOR REFERENCE. ACTUAL DISTANCES TO BE CONFIRMED IN THE FIELD. 2. CONTRACTOR TO VERIFY POLE AND GUY ANCHOR LOCATIONS DO NOT CONFLICT WITH UNDERGROUND UTILITIES, FENCING, AND ROADWAYS. 3. CONTRACTOR MAY ADJUST POLES UP TO 5 FEET TO AVOID EXISTING CONFLICTS. CONTRACTOR TO NOTIFY ENGINEER IF POLES MUST BE MOVED MORE THAN 5 FEET. 4. RUS STANDARD CONSTRUCTION ASSEMBLIES ARE FOR REFERENCE ONLY. CONTRACTOR SHOULD REFER TO NOTES UNDER ASSEMBLY DRAWINGS TO ENSURE APPROPRIATE MATERIALS ARE INSTALLED. 5. NO NEUTRAL WIRE ON DISTRIBUTION. INSTALL STATIC WIRE ABOVE PHASE CONDUCTORS FOR LIGHTNING PROTECTION. 6. ALL WOOD STRUCTURES SET AT 10% OF THE TOTAL POLE LENGTH PLUS 2 FEET UNLESS NOTED OTHERWISE								

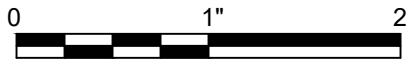


0	6/8/22	ISSUE_FOR_CONSTRUCTION
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER Trevor Hauck	
PROJECT NUMBER	10333743



EAST SUBSTATION CABLE REPLACEMENT
UNIT SUMMARY & POLE SCHEDULE



FILENAME	SURF_E-104
SCALE	1:1