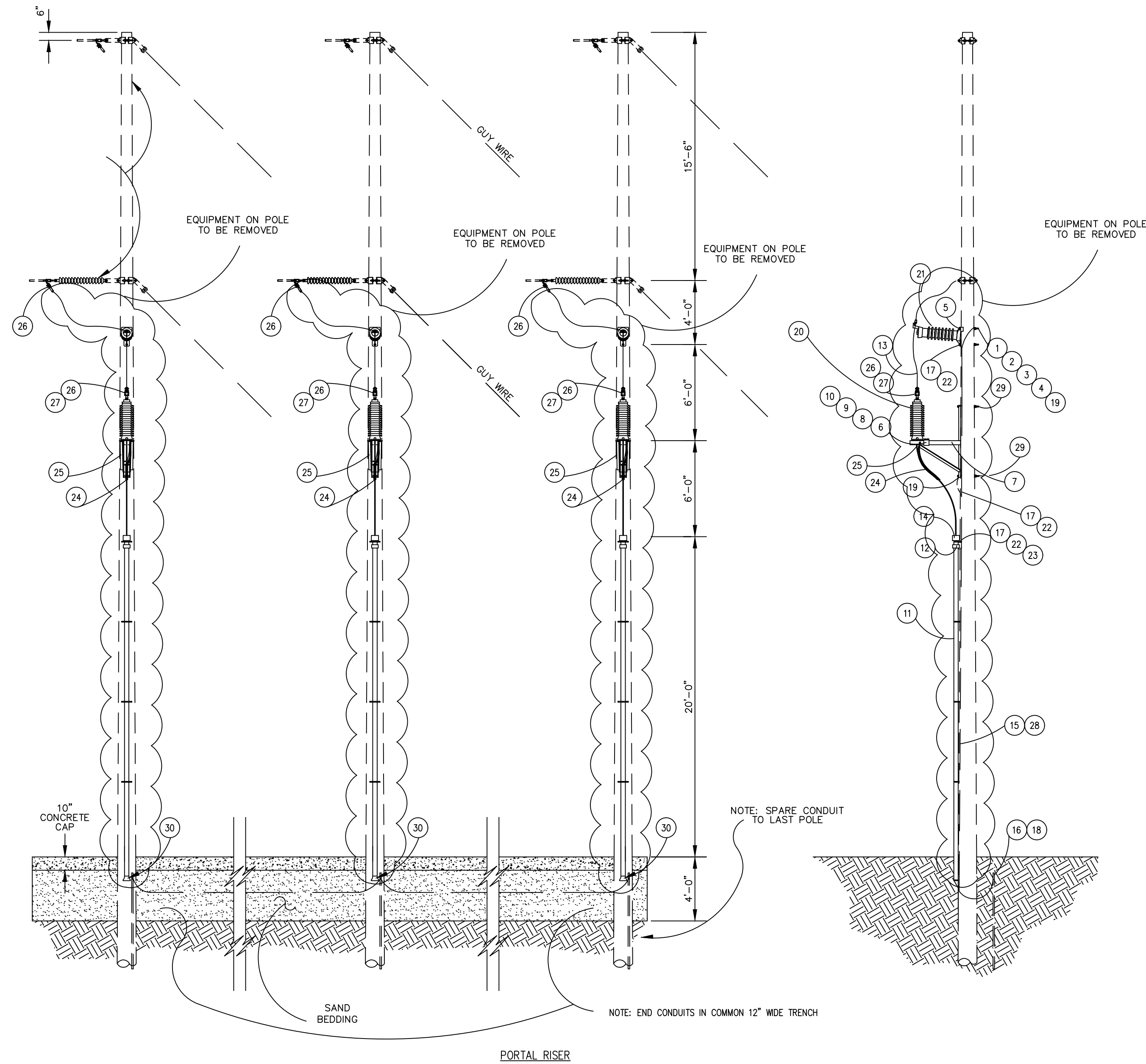




NOTES:
OVERHEAD POLES AND OVERHEAD CONDUCTOR TO REMAIN.
UNDERGROUND RISERS, ARRESTORS, TERMINATORS, CABLES
AND MISCELLANEOUS EQUIPMENT TO BE REMOVED.

EQUIPMENT ON POLE
TO BE REMOVED

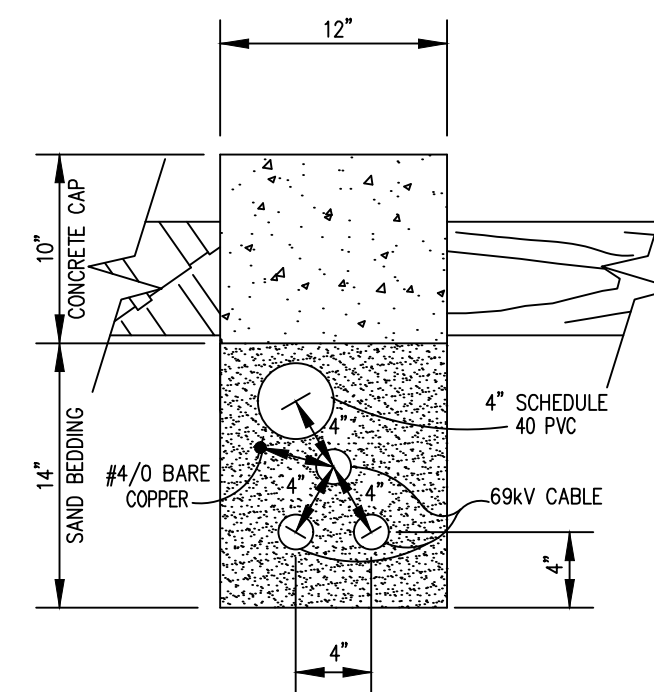
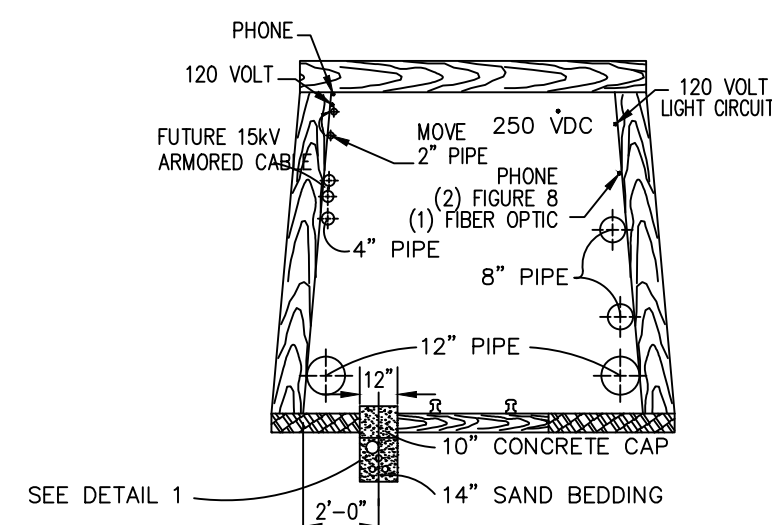
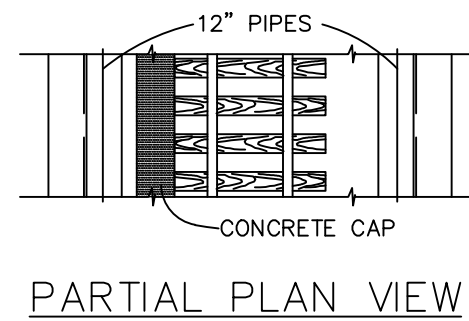
EQUIPMENT ON POLE
TO BE REMOVED

NOTE: SPARE CONDUIT
TO LAST POLE

NOTE: END CONDUITS IN COMMON 12" WIDE TRENCH

PORTAL RISER

SAND
BEDDING



SECTION VIEW

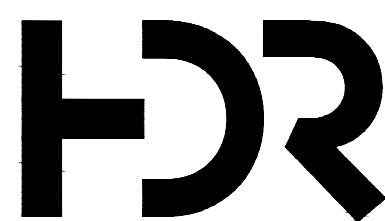
TYPICAL TRENCH
TRAMWAY & PORTAL

ITEM	QTY	MATERIAL DESCRIPTION PORTAL RISER
1	12	?x16" BOLT (APPROXIMATE LENGTH REQUIRED)
2	12	2" SQUARE WASHER
3	12	? NUT
4	12	? LOCKNUT
5	3	BRACKET ARRESTER, (10" BOLT CIRCLE), (ALUMAFORM Model WBMA-1 or equal)
6	3	TERMINATOR MOUNT, (JOSLYN J9201-W, or equal)
7	3	BRACKET, (JOSLYN 7102D001, or equal)
8	12	" BOLT MACHINE
9	12	" NUTS
10	12	" LOCKWASHER
11	90'	4" ALUMINUM PIPE RISER
12	18	4" STRAPS, space @ 5'-0" up pole
13	60'	556.5KCM AAC OR ACSR JUMPERS
14	3	CABLE SUPPORT, (ADALET PLM-CV40 or equal)
15	150'	#4/0 BARE COPPER, soft drawn
16	3	GROUND ROD, ?x10" COPPERWELD
17	15'	#4 COPPER
18	6	? GROUND ROD TO #4/0 CU. CABLE CADWELD CONNECTION
19	6	GROUNDWIRE CLAMP, ?" bolt w/nut
20	3	69kV CABLE TERMINATORS, (material item (2)-owner-furnished) (JOSLYN J9286-3 or equal)
21	3	48kV MCOV ARRESTER, O.B. 216048 W/ 4 HOLE PAD & TAP CONNECTOR
22	9	#4/0 CU. TO #4 CU. PARALLEL CLAMP, (ANDERSON or equal)
23	2	#4/0 CU. TO 4" PIPE GROUND CLAMP, (ANDERSON or equal)
24	3	CABLE GRIP SUPPORT, (STAINLESS STEEL)
25	3	CABLE GROUNDING KIT, 3m 2252 type kit for 69kV 500 KCM
26	6	2 HOLE PAD TO 556.5 CONNECTOR, (ANDERSON or equal)
27	3	TERMINAL TO 2 HOLE PAD CONNECTOR, (ANDERSON or equal)
28	2lb.	2"x2" STAPLES
29	6	i" SPRING WASHER
30	3	4" PVC BELL ENDS



6-10-96	MDD	AS-BUILT	Homestake Mining Co.	HOMESTAKE MINING COMPANY
9-25-96	MDD	ISSUED FOR CONSTRUCTION	ELECTRICAL ENGINEERING DEPARTMENT	EAST SUBSTATION 69KV TRAN. LINE
9-25-96	MDD	FINAL REVIEW - ISSUED FOR BID	DESIGNED BY: MDD APPROVED BY: LEP SCALE: 1/4"=1'	UNDERGROUND RISER ASS. & DETAIL
DATE BY: REVISIONS	APPROVED BY: RRB/ML	8-22-95	CLASS: DETAIL SUB: ELECT. EAST	SEQ. NO. DWG. NO. EE0822 PROJ.

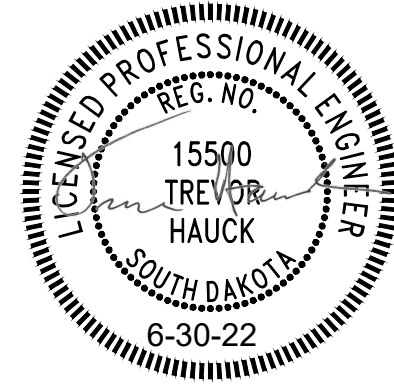
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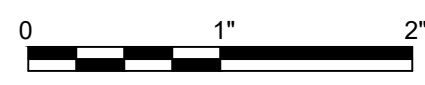
ISSUE	DATE	DESCRIPTION
0	6/30/22	ISSUE FOR CONSTRUCTION

PROJECT MANAGER Trevor Hauck

PROJECT NUMBER	10333743
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EAST SUBSTATION CABLE REPLACEMENT
DEMOLISHMENT EXISTING RISER



FILENAME SURF_E-1117
SCALE 1:1

SHEET
E117