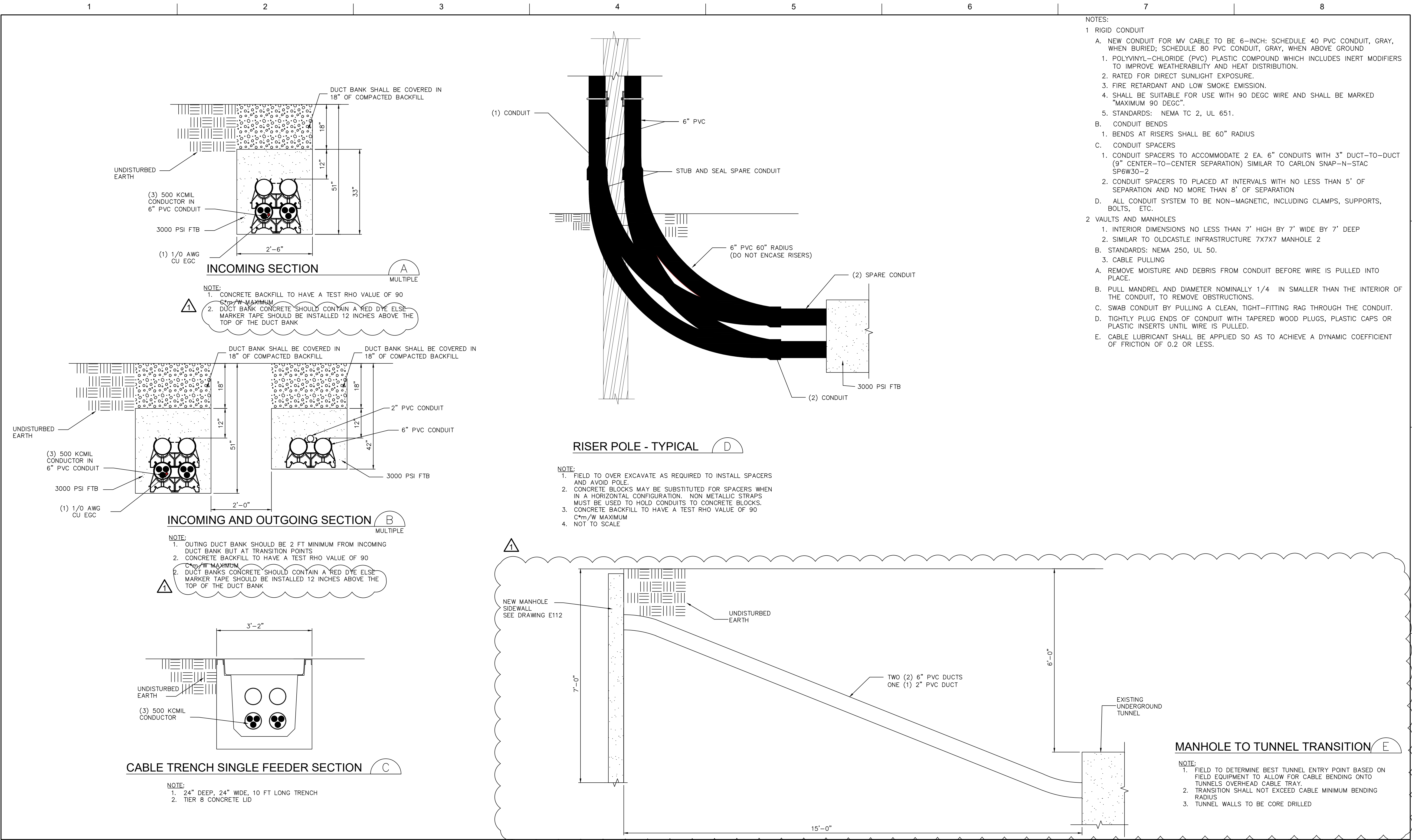
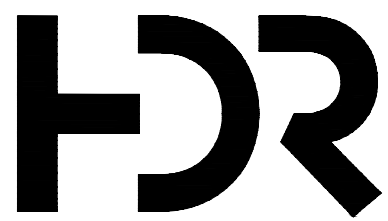




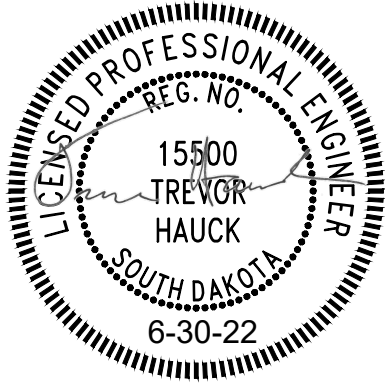
- NOTES:
- 1 RIGID CONDUIT
- A. NEW CONDUIT FOR MV CABLE TO BE 6-INCH: SCHEDULE 40 PVC CONDUIT, GRAY, WHEN BURIED; SCHEDULE 80 PVC CONDUIT, GRAY, WHEN ABOVE GROUND
1. POLYVINYL-CHLORIDE (PVC) PLASTIC COMPOUND WHICH INCLUDES INERT MODIFIERS TO IMPROVE WEATHERABILITY AND HEAT DISTRIBUTION.
2. RATED FOR DIRECT SUNLIGHT EXPOSURE.
3. FIRE RETARDANT AND LOW SMOKE EMISSION.
4. SHALL BE SUITABLE FOR USE WITH 90 DEGC WIRE AND SHALL BE MARKED "MAXIMUM 90 DEGC".
5. STANDARDS: NEMA TC 2, UL 651.
- B. CONDUIT BENDS
1. BENDS AT RISERS SHALL BE 60" RADIUS
- C. CONDUIT SPACERS
1. CONDUIT SPACERS TO ACCOMMODATE 2 EA. 6" CONDUITS WITH 3" DUCT-TO-DUCT (9" CENTER-TO-CENTER SEPARATION) SIMILAR TO CARLON SNAP-N-STAC SP6W30-2
2. CONDUIT SPACERS TO PLACED AT INTERVALS WITH NO LESS THAN 5' OF SEPARATION AND NO MORE THAN 8' OF SEPARATION
- D. ALL CONDUIT SYSTEM TO BE NON-MAGNETIC, INCLUDING CLAMPS, SUPPORTS, BOLTS, ETC.
- 2 VAULTS AND MANHOLES
1. INTERIOR DIMENSIONS NO LESS THAN 7' HIGH BY 7' WIDE BY 7' DEEP
2. SIMILAR TO OLDCASTLE INFRASTRUCTURE 7X7X7 MANHOLE 2
- B. STANDARDS: NEMA 250, UL 50.
3. CABLE PULLING
- A. REMOVE MOISTURE AND DEBRIS FROM CONDUIT BEFORE WIRE IS PULLED INTO PLACE.
- B. PULL MANDREL AND DIAMETER NOMINALLY 1/4" IN SMALLER THAN THE INTERIOR OF THE CONDUIT, TO REMOVE OBSTRUCTIONS.
- C. SWAB CONDUIT BY PULLING A CLEAN, TIGHT-FITTING RAG THROUGH THE CONDUIT.
- D. TIGHTLY PLUG ENDS OF CONDUIT WITH TAPERED WOOD PLUGS, PLASTIC CAPS OR PLASTIC INSERTS UNTIL WIRE IS PULLED.
- E. CABLE LUBRICANT SHALL BE APPLIED SO AS TO ACHIEVE A DYNAMIC COEFFICIENT OF FRICTION OF 0.2 OR LESS.



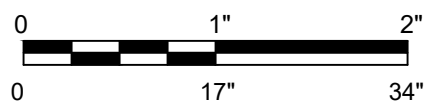
1	6/30/22	TRANSITION_DETAIL
0	6/8/22	ISSUE_FOR_CONSTRUCTION
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER Trevor Hauck

PROJECT NUMBER	10333743



EAST SUBSTATION CABLE REPLACEMENT
DUCT DETAILS



FILENAME SURF_E108
SCALE SCALE

SHEET
E108