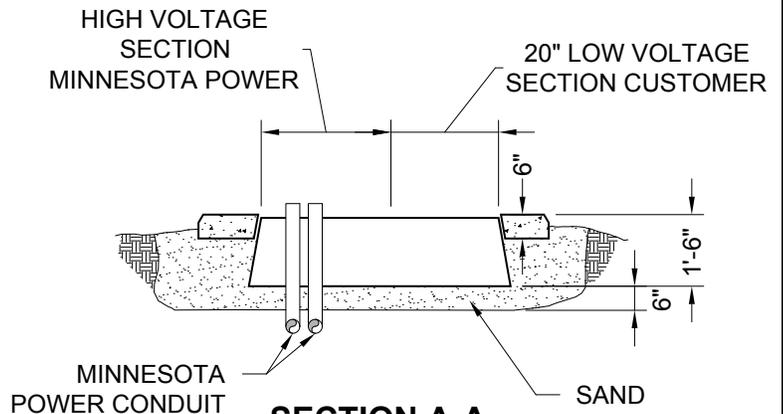
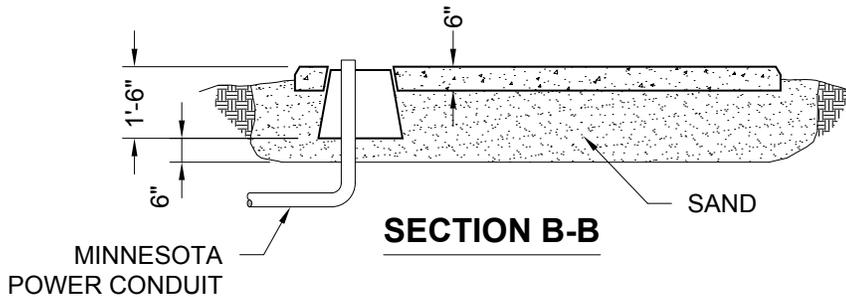


PLAN VIEW



SECTION A-A



SECTION B-B

NOTES:

1. AIR ENTRAINED CONCRETE - 4000 PSI AFTER 28 DAYS, MAX. AGGREGATE 3/4"
2. STEEL FLOAT FINISH.
3. REINFORCEMENT: TYPE A-305 NEW BILLET STOCK A.S.T.M. GRADE 60.
4. ALL REINFORCING TO BE #4 BAR 12" O.C. EACH WAY. WIRE TIE ALL CROSSINGS.
5. IF THE ANTICIPATED FORECAST TEMPERATURE IS 35 DEGREES F OR LESS, THE PAD WILL BE INSULATED WITH EITHER BLANKETS OR POLY AND STRAW FOR A MIN. OF 3 DAYS.
6. APPLY MEMBRANE CURING COMPOUND.
7. EDGE TROWEL WITH CHAMFERED OUTSIDE EDGES.
8. A SAFE OPERATING CLEARANCE OF A MIN. 10' (UNOBSTRUCTED) IS REQUIRED IN FRONT OF THE TRANSFORMER DOOR. THE DOOR(S) CAN FACE ANY DIRECTION EXCEPT TOWARD THE BUILDING UNLESS PRIOR APPROVAL HAS BEEN OBTAINED FROM THE ENGINEER. DECISIONS SHALL BE BASED UPON SOUND ENGINEERING PRACTICES AND SITE SPECIFIC CONDITIONS.
9. IF NECESSARY, ELECTRICAL CONTRACTOR MAY REMOVE TOP LIP OF FIBERGLASS GROUND SLEEVE IN THE LOW VOLTAGE SECTION.
10. GROUND SLEEVE AND CONDUIT MAY BE PICKED UP AT MINNESOTA POWER SERVICE CENTER MONDAY - FRIDAY WITH PRIOR ARRANGEMENTS.

- THIS SPECIFICATION IS FOR TRANSFORMERS RATED 25kV AND BELOW LINE TO LINE PRIMARY. FOR 34.5kV CONSULT SYSTEM ENGINEERING



SPECIFICATIONS
DULUTH, MINNESOTA

TRANSFORMER PAD
THREE PHASE
30-300 kVA