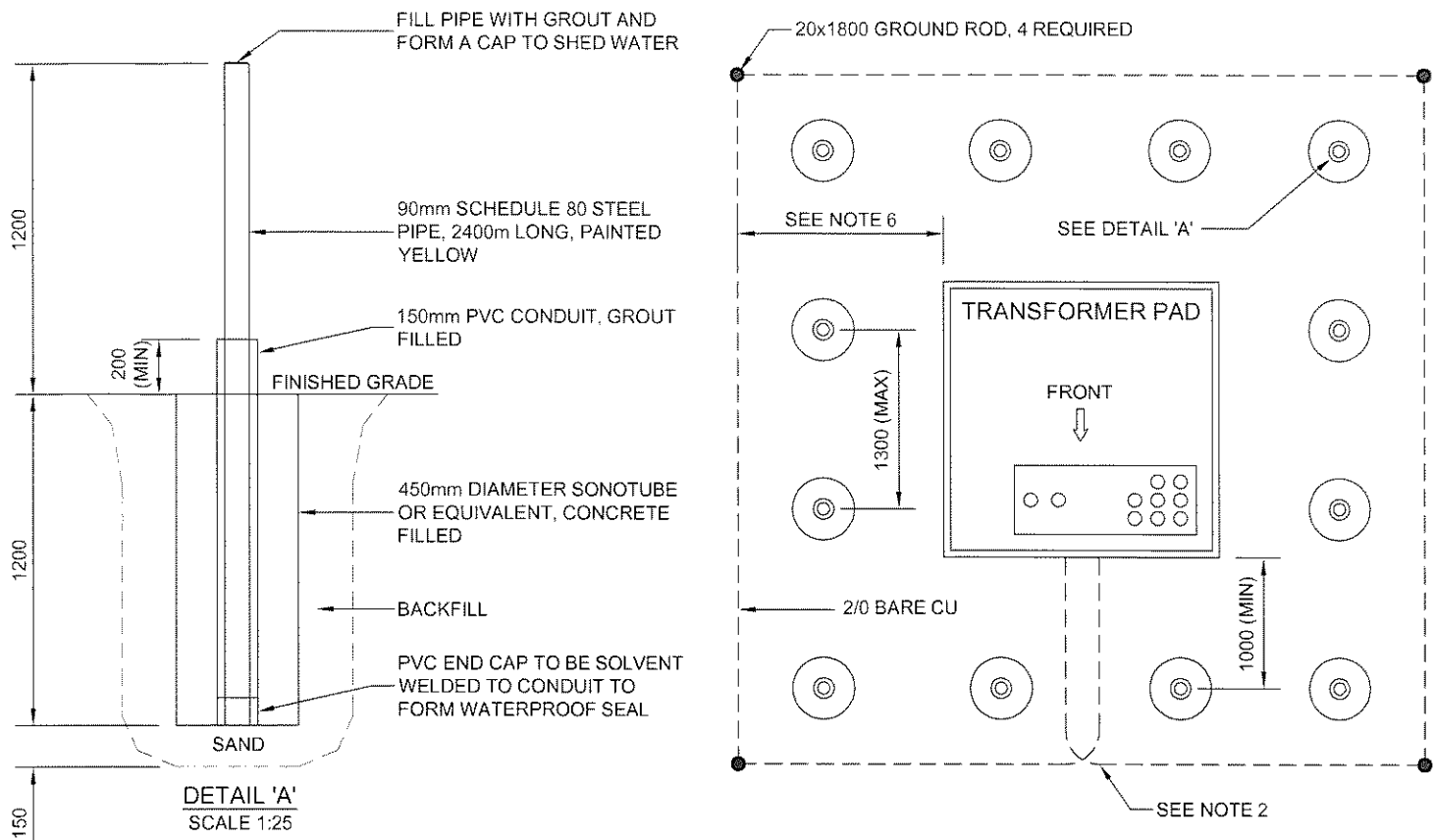


# APPENDIX D

**Note: This Appendix is for reference only. Contractor is responsible to coordinate with Newfoundland Power Representative and use the latest edition of this document.**



#### NOTES:

1. INSTALL 2/0 BARE STRANDED COPPER GROUND WIRE IN ONE CONTINUOUS LENGTH TO FORM LOOP AROUND THE PAD AND COME UP THROUGH VOID IN PAD. MINIMUM BURIAL DEPTH TO BE 600mm. LEAVE SUFFICIENT SLACK (1.5m) IN GROUND WIRE FOR CONNECTION TO TRANSFORMER.
2. GROUND WIRE TO CROSS OVER AND BE CONNECTED AT THIS POINT WITH CONNECTOR APPROVED FOR DIRECT BURIAL.
3. WHERE VEHICULAR TRAFFIC MAY BE A HAZARD, BOLLARDS SHALL BE INSTALLED. BOLLARDS ARE ONLY REQUIRED ON SIDES WHERE THE HAZARD EXISTS.
4. BOLLARDS SHALL BE PLACED SO AS NOT TO OBSTRUCT OPERATION OF THE DOORS OR TRANSFORMER COMPONENTS.
5. WHERE BOLLARDS ARE REQUIRED, THEY SHALL BE INSTALLED A MINIMUM OF 1000mm FROM THE TRANSFORMER PAD.
6. THE GROUND WIRE LOOP SHALL BE INSTALLED 1000mm FROM THE TRANSFORMER PAD, WHEN BOLLARDS ARE NOT REQUIRED. WHEN BOLLARDS ARE REQUIRED, THE GROUND LOOP SHALL BE INSTALLED OUTSIDE THE BOLLARDS AT 1500mm FROM THE TRANSFORMER PAD.
7. PVC CONDUIT, OR EQUIVALENT, MUST BE INSTALLED TO INSULATE THE STEEL PIPE AND PREVENT TRANSFER OF TOUCH POTENTIAL IN THE EVENT OF A FAULT.

A Protection fence is provided for Loop H transformer T11. Refer to drawing E3 for additional requirement.

Bollards are required for loop B Transformer T4.



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which is valid for the year 2012.

## TRANSFORMER PAD PROTECTION AND GROUNDING DETAILS

Date: 11-12-01

Drawn: R. POWER

App:

STD No. **28-4**