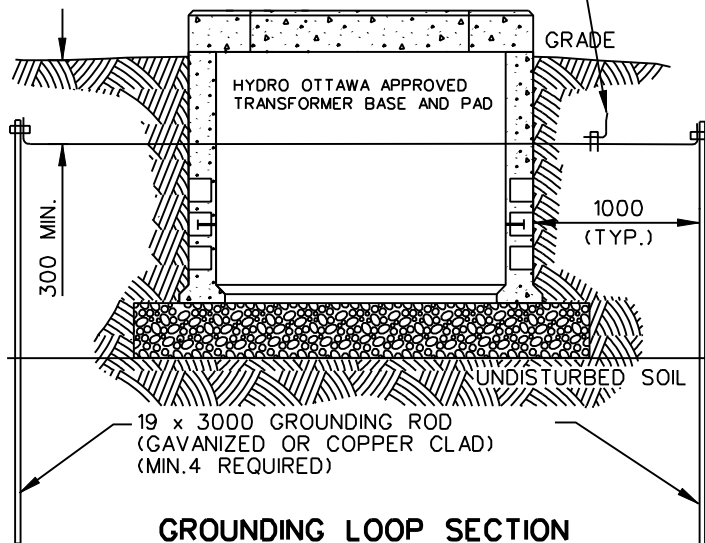


GROUNDING GRID PLAN

BURNDY COMPRESSION GROUND CONNECTOR.



GROUNDING LOOP SECTION

NOTES

- A. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- B. THE GROUNDING SHALL BE DONE IN ACCORDANCE WITH THE ONTARIO ELECTRICAL SAFETY CODE AND INSPECTED HYDRO OTTAWA PRIOR TO BACKFILLING. WHEN THE ELECTRICAL EQUIPMENT IS TO SUPPLY A CUSTOMER ON PRIVATE PROPERTY, ESA INSPECTION IS REQUIRED PRIOR TO BACKFILLING.
- C. ADDITIONAL GROUNDING RODS AND/OR PLATES SHALL BE ADDED TO OBTAIN A SATISFACTORY GROUND RESISTANCE OF <= 25 OHMS (ISOLATED) OR <6 OHMS CONNECTED TO SYSTEM NEUTRAL
- D. ALL GROUNDING EQUIPMENT TO BE CSA APPROVED.
- E. PROTECTIVE BOLLARDS REQUIRED AS STATED IN DESIGN.
- F. EXCAVATION TO BE BACKFILLED AND COMPACTED TO 600mm WITH THE REMAINDER OF THE EXCAVATION TO REMAIN OPEN FOR GROUNDING INSTALLATION BY CONTRACTOR UNTIL INSPECTION COMPLETE.
- G. ALL THIRD PARTY METAL EQUIPMENT WITHIN 2400MM. OR LESS OF THE TRANSFORMER SHALL BE BONDED TO THE GROUND ROD WITH A CONDUCTOR SIZE APPROPRIATE FOR THE AVAILABLE FAULT CURRENT (MIN. 2/0 CU.) AND A SEPARATE CONNECTOR APPROVED BY HYDRO OTTAWA.

6/2/2010 1:59:17 PM

REVISIONS	PREP	CHKD	APPD
REV: 6 DATE: 2008-10-08 CHANGE: UPDATED NOTE 'C' REF. UTS0012 NOTE 'C'	GM	CP	CSM
REV: 7 DATE: 2009-01-12 CHANGE: NOTE B REVISED RE ESA INSPECTION	CP	CP	CSM
REV: 8 DATE: 2010-05-27 CHANGE: TITLE CHANGE	FB	RW	CSM



PREP: G. GOFORTH
CHKD: M. DENOMME
APPD: C. MALONE P.Eng.
DATE: 2001-06-14
SCALE: N.T.S. @ ANSIA

TITLE	ENGINEERING SPECIFICATION GROUNDING TRANSFORMER OR SWITCHGEAR BASE CONSTRUCTION DETAIL
NO:	UGS0002
	1 REV: OF 8 1