



- NOTES:**
- A. ALL UNITS IN MILLIMETERS UNLESS OTHERWISE INDICATED.
 - B. EASEMENT REQUIRED BEYOND ALL HYDRO OTTAWA EQUIPMENT (INCLUDING GROUND GRID) ON PRIVATE PROPERTY.
 - C. ALL THIRD PARTY 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.
 - D. REFER TO APPROVED CITY OF OTTAWA ROAD CROSS SECTION USED, FOR SPECIFIC DIMENSIONS.
 - E. REFER TO SPECIFICATION UTS0038 FOR CLEARANCE AREA.
 - F. REFER TO UFS0001 FOR BOLLARD CONSTRUCTION AND REFER TO UGS0002 FOR BOLLARD GROUNDING.
 - G. TRANSFORMER AND GROUND GRID MAY BE LOCATED COMPLETELY ON PRIVATE PROPERTY WITH A FRONT LOT EASEMENT ON RURAL RESIDENTIAL ROAD CROSS SECTION. MINIMUM BUILDING TO TRANSFORMER BASE OFFSET SHALL BE 2250mm IN SUCH CIRCUMSTANCES.
 - H. HYDRO OTTAWA REQUIRES INSPECTION WHEN EXCAVATION ENCROACHES WITHIN 4m OF TRANSFORMER.
 - I. IF SIDE PROTECTIVE BOLLARDS ARE REQUIRED AND COMMUNICATION PEDESTALS ARE PLANNED, MOVE REQUIRED BOLLARDS OUT TO 300mm INSIDE THE GROUND GRID.
 - J. PLASTIC GAS MAIN DIAMETER TO VARY TO MAXIMUM OF 100mm.
 - K. FOR A 3 PARTY TRENCH APPLICATION, GAS WILL BE LOCATED T CURB WITH A MINIMUM 1.0M SEPARATION FROM HYDRO OTTAWA PLANT.
 - L. SEE GCS0038 FOR REQUIRED CLEARANCES OF TREES IN PROXIMITY TO HYDRO OTTAWA UNDERGROUND STRUCTURES. FOR DETAILS ABOUT TREE PLANTING, SEE HYDRO OTTAWA PUBLICATION "TREE PLANTING ADVICE" AT WWW.HYDROOTTAWA.COM
 - M. FOR GAS MAIN CLEARANCES SEE HOL SPEC. UDS0014.
 - N. STREETLIGHT PEDESTALS WILL BE PLACED A MINIMUM OF 300mm FROM HYDRO OTTAWA DUCT BANK.

LAST SAVED: 2022-12-12 11:12 AM

REVISIONS		PREP	CHKD	APPD
REV: 8	DATE: 2010-08-30 CHANGE: TRANSFORMER BASE INCREASED TO 1300 X1300	FB	RW	CSM
REV: 9	DATE: 2012-01-10 CHANGE: NOTE 'K' REVISED	SLJ	RW	CSM
REV: 10	DATE: 2022-12-08 CHANGE: REMOVE UTS0001 REFERENCE; ADDED GCS0038 REFERENCE, REMOVED GAS MAIN CLEARANCE	EV	ML	MW

HydroOttawa
WWW.HYDROOTTAWA.COM

PREP: K. SANSOM
CHKD: K. McROBERTS
APPD: C. MALONE P.Eng
DATE: 2006-08-25
SCALE: N.T.S. @ ANSI B

TITLE		ENGINEERING SPECIFICATION TRANSFORMER CLEARANCES RESIDENTIAL UNDERGROUND UTILITY TRENCH 3 & 4 PARTY CONSTRUCTION DETAIL	
NO:		UTS0012	
REV:		1 OF 1	
REV:		10	