


- NOTES:**
- A. PLASTIC GAS MAIN DIAMETER TO VARY TO MAXIMUM OF 100mm.
 - B. FOR GAS MAIN CLEARANCES SEE HOL SPEC. UDS0014.
 - 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. ALL CLEARANCES SHALL COMPLY WITH UTS0001.
 - E. REFER TO SPECIFICATION UTS0038 FOR CLEARANCE AREA.
 - F. REFER TO UFS0001 FOR BOLLARD CONSTRUCTION AND REFER TO UGS0002 FOR BOLLARD GROUNDING.
 - G. ALL UNITS IN MILLIMETERS UNLESS OTHERWISE INDICATED.
 - H. IF SIDE PROTECTIVE BOLLARDS ARE REQUIRED AND COMMUNICATION PEDESTALS ARE PLANNED, MOVE REQUIRED BOLLARDS OUT TO 300mm INSIDE THE GROUND GRID
 - J. NOTE REMOVED
 - K. EASEMENT REQUIRED BEYOND ALL HYDRO OTTAWA EQUIPMENT (INCLUDING GROUND GRID) ON PRIVATE PROPERTY.
 - L. REFER TO APPROVED CITY OF OTTAWA ROAD CROSS SECTION USED, FOR SPECIFIC DIMENSIONS.
 - M. 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.
 - N. HYDRO OTTAWA REQUIRES INSPECTION WHEN EXCAVATION ENCROACHES WITHIN 4m OF TRANSFORMER.
 - O. FOR A 3 PARTY TRENCH APPLICATION, GAS WILL BE LOCATED AT CURB WITH A MINIMUM 1.0M SEPARATION FROM HYDRO OTTAWA PLANT
 - P. FOR DETAILS ABOUT TREE PLANTING, SEE HYDRO OTTAWA PUBLICATION "TREE PLANTING ADVICE" AT WWW.HYDROOTTAWA.COM

REVISIONS			PREP	CHKD	APPD	TITLE	
REV: 7	DATE: 2010-05-27	CHANGE: TITLE CHANGE	FB	RW	CSM		ENGINEERING SPECIFICATION TRANSFORMER CLEARANCES RESIDENTIAL UNDERGROUND UTILITY TRENCH 3 & 4 PARTY
REV: 8	DATE: 2010-08-30	CHANGE: TRANSFORMER BASE INCREASED TO 1300 X 1300	FB	RW	CSM		
REV: 9	DATE: 2012-01-10	CHANGE: NOTE "K" REVISED	SLJ	RW	CSM		
 www.hydro-ottawa.com						PREP: K. SANSOM CHKD: K. McROBERTS APPD: C. MALONE P.Eng.	
DATE: 2006-08-25 SCALE: N.T.S. @ ANSIB							NO: UTS0012
						1 OF 1	REV: 9