



- 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 ENCRACHES 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
REV: 7	DATE: 2010-05-27	FB	RW	CSM		
CHANGE: TITLE CHANGE						
REV: 8	DATE: 2010-08-30	FB	RW	CSM		
CHANGE: TRANSFORMER BASE INCREASED TO 1300 X 1300						
REV: 9	DATE: 2012-01-10	SLJ	RW	CSM		
CHANGE: NOTE "K" REVISED						

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

TITLE

**ENGINEERING SPECIFICATION
TRANSFORMER CLEARANCES
RESIDENTIAL UNDERGROUND
UTILITY TRENCH 3 & 4 PARTY**

NO: **UTS0012**

REV: **1** OF **1** 9