



- NOTES:**
- A. LOW PRESSURE 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
  - I. DUCTS TO PROTRUDE 300mm FROM ENDS OF CONCRETE DUCT STRUCTURE AND WILL BE CAPPED.
  - J. REFER TO UDS0001, DETAIL "H" FOR DUCT BANK FORMATION
  - 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 ENCLOSES WITHIN 4m OF TRANSFORMER.
  - O. FOR A 3 PARTY TRENCH APPLICATION, GAS WILL BE LOCATED AT CURB WITH A MINIMUM OF 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	 WWW.HYDRO-OTTAWA.COM	TITLE		
REV: 7	DATE: 2010-05-27	CHANGE: TITLE CHANGE	FB	RW	CSM		<b>ENGINEERING SPECIFICATION TRANSFORMER CLEARANCES RESIDENTIAL UNDERGROUND OFFSET UTILITY TRENCH LOCATION 3 &amp; 4 PARTY CLEARANCE DETAIL</b>	NO:	<b>UTS0013</b>
REV: 8	DATE: 2010-08-30	CHANGE: TRANSFORMER BASE INCREASED TO 1300 X 1300	FB	RL	CSM				
REV: 9	DATE: 2012-01-10	CHANGE: NOTE "K" REVISED	SLJ	RW	CSM				
						PREP: K. SANSOM CHKD: K. MCROBERTS APPD: C. MALONE P.Eng. DATE: 2006-09-29 SCALE: N.T.S. @ ANSIB	1	REV: 9	