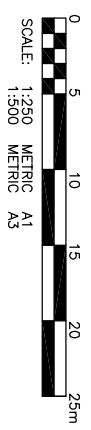


- NOTES:**
1. INSTALL ONE 12mm DIAMETER STAINLESS STEEL TIE ROD AT END OF NEW OSP CULVERT AND FASTEN WITH STAINLESS STEEL NUTS ON OUTSIDE OF PIPE.
 2. ELEVATIONS FOLLOWED BY (AB) ARE ELEVATIONS ESTABLISHED FROM THE CITY OF WINNIPEG RECORD DRAWINGS. THESE ELEVATIONS SHOULD BE VERIFIED IN THE FIELD BEFORE CONSTRUCTION. ALL OTHER ELEVATIONS HAVE BEEN CONFIRMED BY KGS.
 3. RIPRAP ABOVE THE WINTER ICE ELEVATION SHALL BE PLACED OUT AND ABOVE THE BANK AND PLACED FLUSH WITH EXISTING GROUND AND ALL EXCAVATED MATERIAL SHALL BE REMOVED OFF SITE.



WARNING

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR SHALL NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND NOTIFICATION TO AVOID DAMAGE TO GAS COMPANY. SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

APEN
Certificate of Authorization
KGS Group
No. 245 Expiry: April 30, 2004

LEGEND EXISTING: WATERMAIN, VALVE, LAND DRAINAGE SEWER, WASTE WATER SEWER, MANHOLE, CATCH BASIN, CURB INLET, JUNCTIONS, CULVERT, GAS PROPOSED: WATERMAIN, VALVE, LAND DRAINAGE SEWER, WASTE WATER SEWER, MANHOLE, CATCH BASIN, CURB INLET, JUNCTIONS, CULVERT, GAS		HYDRO M.T.S., PROPERTY LINE, SURVEY BAR, LIGHT STANDARD, HYDRO POLE, GUY WIRE, SIGN, FENCE, BUSH LINE PROPOSED: M.T.S., PROPERTY LINE, SURVEY BAR, LIGHT STANDARD, HYDRO POLE, GUY WIRE, SIGN, FENCE, BUSH LINE		LOCATION APPROVED UNDERGROUND STRUCTURES SUPV. U/G STRUCTURES COMMITTEE DATE DATE: _____		NO. OF REVISIONS 0 ISSUED FOR TENDER 1 ISSUED FOR REVIEW DATE: 27/12/03		KGS GROUP CONSULTING ENGINEERS & PROJECT MANAGERS WINNIPEG, MANITOBA (204) 986-1299 THUNDER BAY (807) 543-2233		DESIGNED BY: D.G.G. DRAWN BY: D.W./A.M. HOR. SCALE: 1:250 VERTICAL: 1:50 DATE: DECEMBER 2003		CHECKED BY: R.J.H. APPROVED BY: _____ RELEASED FOR CONSTRUCTION DATE: _____		ENGINEER'S SEAL D.G. GRAYLAME PROFESSIONAL ENGINEER REG. NO. 2288 PROVINCE OF MANITOBA		THE CITY OF WINNIPEG WATER & WASTE DEPARTMENT OUTFALL REPAIRS SHENFIELD ROAD OUTFALL (RR-27)		Winnipeg SHEET 05 OF 07 OLD FILE DRAWING NUMBER 03-0107-05-SHENFIELD.2004 CITY DRAWING NUMBER LD-2987	
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