## NOTES: 1. ALL EXCAVATED MATERIAL WITHIN 107.0 OF THE REGULATED SUMMER RIVER LEVEL (RSRL) MUST BE REMOVED FROM SITE (NO STOCKPILING). -RIM = 231.112. VERIFY ALIGNMENT OF EXISTING OUTFALL BEFORE 232.0 INSTALLING NE OUTFALL PIPE. RIM = 231.103. REMOVE AND INSTALL NEW TREES AS DIRECTED BY THE CONTRACT ADMINISTRATOR. 231.0 *230.0* 230.0 *229.0* 229.0 1.0 THICK CLAY PLUG -\_1.0 THICK RIPRAP 1.2-250 SEWER CUT INTO BANK 300ø (1.6mm) CMP C/W-*228.0* 228.0 POLYMER COATING -INV = 227.65*227.0* + SUMP=227.55 =INV=227.65 INSTALL CONC COLLAR (SEE DETAILS) *226.0* -250ø PVC -82.0-250ø SDR35 PVC @ 3.1% INSTALL FLANGED FLEXIBLE | *225.0* EXPANSION JOINT (U/S END TO BE-225.0 INSTALLED U/S OF EXISTING BANK 11.0-300ø (1.6mm) CMP @ 3.1% **FAILURE** NOTE: MINIMUM CONC 600 THICK RIPRAP-INV 224.70 CUT INTO BANK 224.0 COVER IS 50 224.0 -MIN 300 LAP TRENCH INSTALL USING TRENCH BOX TRENCHLESS -4-15M RINGS O - REINFORCED CONCRETE COLLAR *223.0 223.0* ∕-15М @ 400 🍪 💖 222.0 CULVERT END DETAIL 2+00 1+50 1+75 1+25 1+00 -ORIGINAL GROUND -REGRADE TO PROVIDE POSITIVE DRAINAGE EXCAVATE 600x600 TRENCH AND RECOMPACT EXCAVATED MATERIAL TO PROVIDE IMPERVIOUS SEAL 600 SLIP SURFACE REPAIR DETAIL AVENUE -INSTALL FLANGED FLEXIBLE **WARNING EXPANSION JOINT** -INSTALL 5.0-2500 PVC 0 22-1/2 INSTALL 11.0-3000 CMP TO EXISTING TIE-IN ANGLE INSTALL 82.0-250¢ PVC (USING -EXPOSE EXISTING PIPE AT C/W POLYMER COATING 1. NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION. BANK FAILURE (AS DIRECTED TRENCHLESS METHODS) ALONG SIDE -INSTALL 22-1/2° BEND EXISTING 2500 CMP (TO BE ABANDONED) BY CONTRACT ADMINISTRATOR) SEE NOTE 3-. TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS. INSTALL CONC COLLAR (SEE DETAILS) S-MA00017936 3. SEE PROVINCIAL REGULATION 210/72 FOR 1+25 1+50 1+75 DETAILS. \_\_ 300 CLAY CS -/ PROPERTY LIMITS DELINEATION —100 GAS →H· DELINEATION OF PROPERTY LIMITS AS SHOWN ON THIS DWG DOES NOT REPRESENT A "LEGAL SURVEY". KGS GROUP MAKES NO REPRESENTATION OR -REPAIR SLIP SURFACE 10.0 ON EITHER -REMOVE MINIMUM 3.0-2500 WARRANTY AS TO THE ACCURACY OF SIDE OF PIPE AND REPLACE WITH CMP AND ABANDON PROPERTY LIMITS DELINEATED ON THIS COMPACTED CLAY FILL (SEE DETAIL) -GATE CHAMBER =RIM=231.11 EXISTING CMP OUTFALL 2.0 DWG, NOR ON THE DIMENSIONAL WEIR= AND WEIR ACCURACY OF DWG FEATURES RELATIVE \_E INV=227.65 — RIM = 231.10SCALE: 1:50m (A1) TO THOSE PROPERTY LIMITS. E INV=227.65 **APEGIN** W INV= SUMP=227.55 **METRIC** 10.0 15.0 20.0m 5.0 Certificate of Authorization SCALE: 1:250m (A1) WHOLE NUMBERS INDICATE MILLIMETRES KGS Group DECIMALIZED NUMBERS INDICATE METRES No. 245 **KGS** ENGINEER'S SEAL LOCATION APPROVED B.M. KGS\_BASE WATERMAIN HYDRO THE CITY OF WINNIPEG 150 WM <u>150 WM</u> ELEV=249.213 NAD83 CSRS CGVD28 M.T.S. HYDRANT ф UNDERGROUND STRUCTURES GROUP WATER & WASTE DEPARTMENT PROPERTY LINE \_\_\_\_ VALVE ⊗ Winnipeg CONSULTING ENGINEERS SURVEY BAR 300 LDS LAND DRAINAGE SEWER 300 LDS SUPV. U/G STRUCTURES DATE LIGHT STANDARD WASTE WATER SEWER 250 wws COMMITTEE 250 WWS ••• CHECKED BY DESIGNED SHEET OF HYDRO POLE 2017 OUTFALL RENEWAL/ REHABILITATION PROGRAM MANHOLE RBO • JB 03 80 LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIMINAL LITTINES **GUY WIRE** CATCH BASIN $\dashv$ APPROVED DRAWN CAD FILE DRAWING NUMBER DMW $\circ$ SIGN CURB INLET $\nabla$ $\blacksquare$ PRITCHARD AVENUE OUTFALL (RR-75) PLAN AND PROFILE 16-0107-021\_CALL BUSH LINE 2016-11-15 JUNCTIONS \_\_\_\_ RELEASED FOR HOR. SCALE: 1:250 REISSUED FOR CONSTRUCTION CITY DRAWING NUMBER CULVERT **FENCE** CONSTRUCTION: CONSULTANT DRAWING NO. VERTICAL: (32.231)OBTAINED FROM THE INDIMIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION. ISSUED FOR CONSTRUCTION ORIGINAL SIGNED BY KAS ZUREK **ELEVATION** 03/11/16 JB LD-7988 231.334 S-MA00017936 GAS 16-0107-021\_C03 DATE BY DATE 28/09/16 DATE NOV 04 2016 PROPOSED NO. REVISIONS **EXISTING** LEGEND-PROFILE PROPOSED **EXISTING** LEGEND-PLAN PROPOSED **EXISTING** LEGEND-PLAN