PROFILE

RIM=231.11
RIM=231.10

1.2-250 SEWER

INV=227.65
SUMP=227.55
INV=227.65

82.0-250∅ SDR35 PVC @ 3.1%

INSTALL FLANGED FLEXIBLE EXPANSION JOINT (U/S END TO BE INSTALLED U/S OF EXISTING BANK FAILURE

INSTALL CONC COLLAR (SEE DETAILS)

11.0-300∅ (1.6mm) CMP @ 3.1%

INV 224.70

TRENCHLESS

TRENCH INSTALL USING TRENCH BOX

RSRL=223.67
LWRL=222.40

CULVERT END DETAIL
SCALE: NTS

1.0 THICK CLAY PLUG
1.0 THICK RIPRAP CUT INTO BANK
300∅ (1.6mm) CMP C/W POLYMER COATING
300 600 300
250∅ PVC
6.0
600 THICK RIPRAP CUT INTO BANK

NOTE:
MINIMUM CONC COVER IS 50

4-15M RINGS — MIN 300 LAP
REINFORCED CONCRETE COLLAR
15M @ 400

SLIP SURFACE REPAIR DETAIL
SCALE: NTS

ORIGINAL GROUND
REGRADE TO PROVIDE POSITIVE DRAINAGE
EXCAVATE 600x600 TRENCH AND RECOMPACT EXCAVATED MATERIAL TO PROVIDE IMPERVIOUS SEAL
600

PLAN

N

PRITCHARD AVENUE

100 GAS
250 AC SRS
150 PVC WM
100 GAS

INSTALL 5.0-250∅ PVC @ 22-1/2' TO EXISTING TIE-IN ANGLE
INSTALL 22-1/2' BEND

INSTALL 82.0-250∅ PVC (USING TRENCHLESS METHODS) ALONG SIDE EXISTING 250∅ CMP (TO BE ABANDONED)

S-MA00017936
250 CMP SEWER
100 GAS

EXISTING ACTIVE TRANSPORTATION PATH

INSTALL FLANGED FLEXIBLE EXPANSION JOINT
EXPOSE EXISTING PIPE AT BANK FAILURE (AS DIRECTED BY CONTRACT ADMINISTRATOR)
INSTALL CONC COLLAR (SEE DETAILS)

INSTALL 11.0-300∅ CMP C/W POLYMER COATING
SEE NOTE 3

RED RIVER

RIM=231.11
WEIR=
E INV=227.65

GATE CHAMBER AND WEIR
RIM=231.10
E INV=227.65
W INV=
SUMP=227.55

REMOVE MINIMUM 3.0-250∅ CMP AND ABANDON EXISTING CMP OUTFALL

REPAIR SLIP SURFACE 10.0 ON EITHER SIDE OF PIPE AND REPLACE WITH COMPACTED CLAY FILL (SEE DETAIL)

150 PVC WM
300 CLAY CS

#100

SCALE: 1:50m (A1)
0 1.0 2.0 3.0 4.0m

SCALE: 1:250m (A1)
0 5.0 10.0 15.0 20.0m

LEGEND

LEGEND-PLAN			LEGEND-PLAN	
EXISTING		PROPOSED	EXISTING	PROPOSED
150 WM	WATERMAIN	150 WM	HYDRO	
	HYDRANT		M.T.S.	
	VALVE		PROPERTY LINE	
300 LDS	LAND DRAINAGE SEWER	300 LDS	SURVEY BAR	
250 WWS	WASTE WATER SEWER	250 WWS	LIGHT STANDARD	
	MANHOLE		HYDRO POLE	
	CATCH BASIN		GUY WIRE	
	CURB INLET		SIGN	
	JUNCTIONS		BUSH LINE	
	CULVERT		FENCE	
	GAS	231.334	ELEVATION	32.231
			LEGEND-PROFILE	

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES   DATE
COMMITTEE

NOTE:
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 INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M. KGS_BASE
ELEV:249.213 NAD83 CSRS CGVD28

KGS GROUP
CONSULTING ENGINEERS

DESIGNED BY: JB   CHECKED BY: RBO
DRAWN BY: DMW   APPROVED BY:

NO.	REVISIONS	DATE	BY
1	REISSUED FOR CONSTRUCTION	15/11/16	
0	ISSUED FOR CONSTRUCTION	03/11/16	JB

HOR. SCALE: 1:250
VERTICAL: 1:50
DATE 28/09/16

RELEASED FOR CONSTRUCTION:
ORIGINAL SIGNED BY KAS ZUREK
DATE NOV 04 2016

CONSULTANT DRAWING NO.
16-0107-021_C03

ENGINEER'S SEAL
PROVINCE OF MANITOBA
R. BOSCOW
Member 34889
PROFESSIONAL ENGINEER
2016-11-15

THE CITY OF WINNIPEG
WATER & WASTE DEPARTMENT
Winnipeg

2017 OUTFALL RENEWAL/REHABILITATION PROGRAM
PRITCHARD AVENUE OUTFALL (RR-75)
PLAN AND PROFILE
S-MA00017936

SHEET 03 OF 08

CAD FILE DRAWING NUMBER
16-0107-021_CALL

CITY DRAWING NUMBER
LD-7988