

NOTE:
UNREGULATED WATER LEVEL REFERS TO WINTER OPERATION OF ST. ANDREWS LOCK AND DAM AND ASSUMES WINTER RIVER LEVELS AT 0 FT. JAMES AVENUE PUMP STATION DATUM. ACTUAL WINTER RIVER LEVELS VARY DEPENDING ON ACTUAL FLOWS

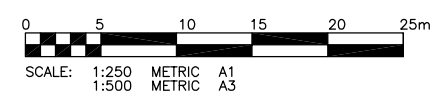
WARNING

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:
1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

RAQUETTE STREET OUTFALL AS-16.1



APEGN
Certificate of Authorization
KGS Group
No. 245 Expiry: April 30, 2005

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

LOCATION APPROVED UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE DATE

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. 41-031	ELEV. 237.609m	ASR470 - N.E. COR. ASSINIBOINE AVE. & MAUREN ST. 181.1m N. OF TOP OF 0.05m DIA. x 2.4m IRON PIPE. 7.4m N. OF C.L. CONC. PART. OF ASSINIBOINE AVE. & 7.4m E. OF C.L. CONC. PART. OF MAUREN ST. OR 18.1m E. OF W.L. OF MAUREN ST. & 3.1m S. OF N.L. OF ASSINIBOINE AVE.
ISSUED FOR TENDER	25/11/04	RJH
NO. REVISIONS	DATE	BY

KGS GROUP CONSULTING ENGINEERS & PROJECT MANAGERS
WINNIPEG (204) 896-1209
THUNDER BAY (807) 345-2233

DESIGNED BY	DGG	CHECKED BY	RJH
DRAWN BY	DMW	APPROVED BY	
HOR. SCALE:	1:250	RELEASED FOR CONSTRUCTION:	
VERTICAL:	1:50	DATE	24/06/04

ENGINEER'S SEAL
R.J. HOUSTON
Member 4395
REGISTERED PROFESSIONAL ENGINEER

THE CITY OF WINNIPEG
WATER & WASTE DEPARTMENT

2004 OUTFALL REPAIRS
RAQUETTE STREET OUTFALL (AS-16.1)

SHEET 02 OF 09
CAD FILE DRAWING NUMBER 04-0107-13
CITY DRAWING NUMBER LD-3074

CONSULTANT DRAWING NO. 04-0107-13_02R0

COWLEND