



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

PROPERTY LIMITS DELINEATION
 DELINEATION OF PROPERTY LIMITS AS SHOWN ON THIS DWG DOES NOT REPRESENT A "LEGAL SURVEY". CH2M HILL MAKES NO REPRESENTATION OR WARRANTY AS TO THE ACCURACY OF PROPERTY LIMITS DELINEATED ON THIS DRAWING, NOR ON THE DIMENSIONAL ACCURACY OF DRAWING FEATURES RELATIVE TO THOSE PROPERTY LIMITS.

- CONSTRUCTION NOTES:**
- SEWER AND WATER SERVICES SHOWN ON DRAWING ARE APPROXIMATE ONLY.
 - LOCATION OF ALL SEWER AND WATER LINES TO BE CONFIRMED IN FIELD.
 - INSTALL NEW SEWER BY TRENCHLESS METHODS, UNLESS OTHERWISE NOTED.
 - BACKFILL IN FUTURE STORMWATER RETENTION BASIN TO BE CLASS 4 OR 5 WITH CLAY EXCAVATED MATERIAL ONLY.
 - PROPOSED STANDPIPE LOCATION TO BE DETERMINED ON SITE BY THE CONTRACTOR PRIOR TO CONSTRUCTION COMMENCEMENT. REFER TO SPECIFICATION FOR DETAILS.

LEGEND

- PROPOSED SURFACE AND SUBSURFACE MONITORING ARRAY
- PROPOSED STRUCTURE MONITORING POINT
- PROPOSED TRACK MONITORING POINT
- PROPOSED STANDPIPE

SEE DWG C-502 FOR DETAILS

150 WM	WATER MAIN	150 WM	HYDRO M.T.S.	150 WM	WATER MAIN	150 WM
300 LDS	LAND DRAINAGE SEWER	300 LDS	CONCRETE	300 LDS	LAND DRAINAGE SEWER	300 LDS
250 WWS	WASTE WATER SEWER	250 WWS	ASPHALT	250 WWS	WASTE WATER SEWER	250 WWS
MANHOLE		PLANING				
CATCH BASIN		PROPERTY LINE				
CURB INLET		SURVEY BAR				
BEND		GAS				
REDUCER		CURB STOP				
TEE		TEE				
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING

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. ELEV.	
DESIGNED BY	SDG
CHECKED BY	MD
DRAWN BY	JBC
APPROVED BY	RBO
HOR. SCALE:	1:250
VERTICAL:	1:50
ISSUED FOR TENDER	01/2017 JBC
NO. REVISIONS	DATE BY

KGS GROUP CONSULTING ENGINEERS

ch2m:

ENGINEER'S SEAL: E. J. SHARP, REGISTERED PROFESSIONAL ENGINEER, 2017/01/04

CONSULTANT DRAWING NO. C-231

APEGM Certificate of Authorization CH2M HILL Canada Ltd. No. 1441

Winnipeg THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

PROJECT TITLE: COCKBURN AND CALROSSIE COMBINED SEWER RELIEF WORKS - CONTRACT 4 FROM STA 1+000 TO 1+040

SHEET OF 5 OF 12
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 CITY DRAWING NUMBER LD-7891

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