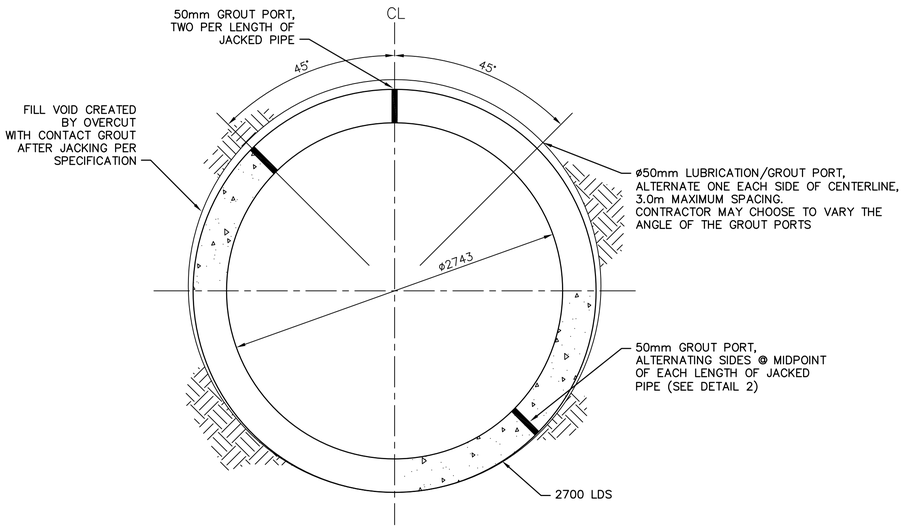
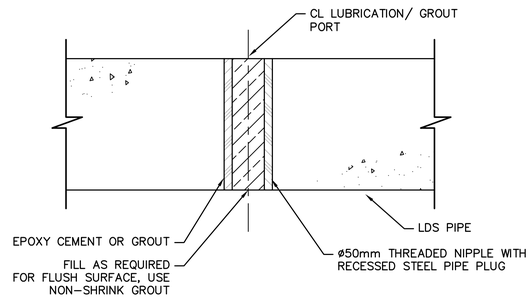


1 – DIRECT–JACKED PIPE DETAIL
1:25



NOTE:
AFTER GROUTING. SEAL GROUT HOLE WITH RECESSED PLUG. INSTALL PLUG AND FILL REMAINING VOID FLUSH WITH THE INSIDE OF THE PIPE WITH A MIN. 25mm WITH NON–SHRINK GROUT, IN ACCORDANCE WITH SPECIFICATIONS.

3 – LUBRICATION/ GROUT PORT DETAIL
NTS

NOTE:
PIPE TO BE DESIGNED AS IDENTIFIED IN SPECIFICATION SECTION 02400

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

150 WM	WATER MAIN	150 WM		HYDRO		150 WM	WATER MAIN	150 WM
	HYDRANT			M.T.S.			HYDRANT, VALVE	
	VALVE			CONCRETE		300 LDS	LAND DRAINAGE SEWER	300 LDS
300 LDS	LAND DRAINAGE SEWER	300 LDS		ASPHALT		250 WWS	WASTE WATER SEWER	250 WWS
250 WWS	WASTE WATER SEWER	250 WWS		SIDEWALK			CENTRELINE	
	MANHOLE			PLANING			NORTH/WEST GUTTER	
	CATCH BASIN			PROPERTY LINE			SOUTH/EAST GUTTER	
	CURB INLET			SURVEY BAR			N/W , S/E PL'S	
	BEND			GAS				
	REDUCER			CURB STOP				
				TEE				
EXISTING	LEGEND–PLAN	PROPOSED	EXISTING	LEGEND–PLAN	PROPOSED	EXISTING	LEGEND–PROFILE	PROPOSED

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.

NO.	REVISIONS	DATE	BY
C	ISSUED FOR RFQ 908–2016	11/2016	JBC
B	ISSUED FOR 95% REVIEW	09/2016	JBC
A	ISSUED FOR REVIEW	08/2016	JBC

KGS GROUP CONSULTING ENGINEERS

ch2m

DESIGNED BY SDG
CHECKED BY MD
DRAWN BY JBC
APPROVED BY
HOR. SCALE: AS NOTED
VERTICAL: –
RELEASED FOR CONSTRUCTION:
DATE
DATE

ENGINEER'S SEAL

PRELIMINARY
NOT FOR CONSTRUCTION

CONSULTANT DRAWING NO.
C–503

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

PROJECT TITLE
COCKBURN AND CALROSSIE COMBINED SEWER RELIEF WORKS – CONTRACT 4

JACKING PIPE DETAILS

SHEET OF
12 OF 12

COMPUTER FILE NAME
C–503.dwg

CITY DRAWING NUMBER
LD–7898

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