



CHAINAGE ALONG ALIGNMENT A

RAIL CROSSING NOTES:

1050 LDS Crossing #5

RAILWAY MILEAGE AND SUBDIVISION : MAIN LINE - REDDITT SUBDIVISION - MILE 246.65

MUNICIPAL DESCRIPTION OF ADJACENT PROPERTIES: PLESSIS ROAD CITY OF WINNIPEG, WATER AND WASTE DEPARTMENT

NAME OF PIPELINE OWNER: LAND DRAINAGE SEWER NON-SURCHARGED GRAVITY NA

CONTENTS TO BE HANDLED: MAXIMUM OPERATING PRESSURE: NA
 MAXIMUM SURGE AND TEST PRESSURE: NA
 MAXIMUM OPERATING TEMPERATURE: NA
 MINIMUM OPERATING TEMPERATURE: NA

PIPING MATERIALS: CARRIER 1050 mm
 NOMINAL DIAMETER 1295 mm
 OUTSIDE DIAMETER 1050 N&W INV 22.865
 MATERIAL REINFORCED CONCRETE
 SPECIFICATION AND GRADE ASTM C76 CLASS 5

WALL THICKNESS 114 mm
 TYPE OF JOINT RUBBER GASKET BELL AND SPIGOT
 COATING NA

LOCATION OF SHUT OFF VALVES NA

METHOD OF INSTALLATION TRENCHLESS - CONCRETE PIPE TO BE JACKED WITH NO SOIL REMOVAL AHEAD OF PIPE

VENTS: NA NUMBER: NA
 HEIGHT ABOVE GROUND: NA
 BOTH ENDS TYPE: NA

BURY: BASE OF RAIL TO TOP OF CARRIER 9.4 m
 NOT BENEATH TRACKS 2.0 m
 ROADWAY DITCHES NA
 BASE OF RAIL TO BOTTOM OF JACKING/RECEIVING PITS 11.0 m

EXTENT OF CASING MEASURED PERPENDICULAR TO CENTERLINE OF TRACK NA

ANGLE OF PIPE / TRACK CROSSING 77°56'

DIRECTION OF FLOW NORTH TO SOUTH

CENTERLINE OF TRACK TO FACE OF JACKING/RECEIVING PITS 20.2m

TYPE, SIZE, AND SPACING OF INSULATORS OR SUPPORTS NA

CATHODIC PROTECTION NA
 GEOTECHNICAL BOREHOLES SEE PROFILE
 SOIL TYPE CLAY
 BASE OF RAIL TO GROUND WATER 10.4m - 11.5m

TO BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH TC E-10

CROSSING NO.	DESCRIPTION	ELEVATIONS	CLEARANCE
13	250 PIPELINE	23.98 (OBVERT)	6.15±
14	200 PIPELINE	30.32± (INVERT)	6.34±

CAUTION: OIL CROSSINGS #13, #14

PLAN / PROFILE

0 12.5 25 50 m H=1:500 V=1:100

WARNING

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT, THE CONTRACTOR MUST:

- NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
- TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.

SEE PROVINCIAL REGULATION 140/92 FOR DETAILS

LEGEND

EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PROFILE	NEW
150 WM	WATERMAIN	150 WM	CURB STOP	150 WM	WATERMAIN
HYDRANT	REDUCER	HYDRANT	REDUCER	HYDRANT	HYDRANT
VALVE	COUPLING	VALVE	COUPLING	VALVE	VALVE
300 LDS	LAND DRAINAGE SEWER	300 LDS	ANODE	300 LDS	LAND DRAINAGE SEWER
250 WWS	WASTE WATER SEWER	250 WWS	HYDRO	250 WWS	WASTE WATER SEWER
MANHOLE	MANHOLE	MANHOLE	MTS	MANHOLE	MANHOLE
CATCH BASIN	CATCH BASIN	CATCH BASIN	GAS	CATCH BASIN	CATCH BASIN
CURB INLET	CURB INLET	CURB INLET	TESTHOLE	CURB INLET	TESTHOLE
CULVERT	CULVERT	CULVERT	LAMP STANDARD	CULVERT	LAMP STANDARD
PIPE ABANDONMENTS	PIPE ABANDONMENTS	PIPE ABANDONMENTS	TREE	PIPE ABANDONMENTS	TREE
SURVEY BAR	SURVEY BAR	SURVEY BAR		SURVEY BAR	

LOCATION APPROVED UNDERGROUND STRUCTURES

SUPV. UG 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.	ISSUED FOR TENDER	DATE	BY
0	ISSUED FOR TENDER	2013/11/22	KMB

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
 DECIMAL NUMBERS INDICATE METRES

AECOM

DESIGNED BY: MPG
 CHECKED BY:
 DRAWN BY: KMB
 APPROVED BY:
 HOR. SCALE: AS NOTED
 VERTICAL: AS NOTED
 RELEASED FOR CONSTRUCTION BY:
 DATE

ENGINEER'S SEAL

THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION CONTRACT 3

CITY DRAWING NUMBER U238-2014-2302
 SHEET 02 OF 15

PLESSIS ROAD - LDS
 DUGALD ROAD TO 395m SOUTH OF KERNAGHAN AVENUE

C-1002

BID OPPORTUNITY NO. 712-2013

AECOM REVIEW DRFT CHK

AECOM REVIEW DRFT CHK