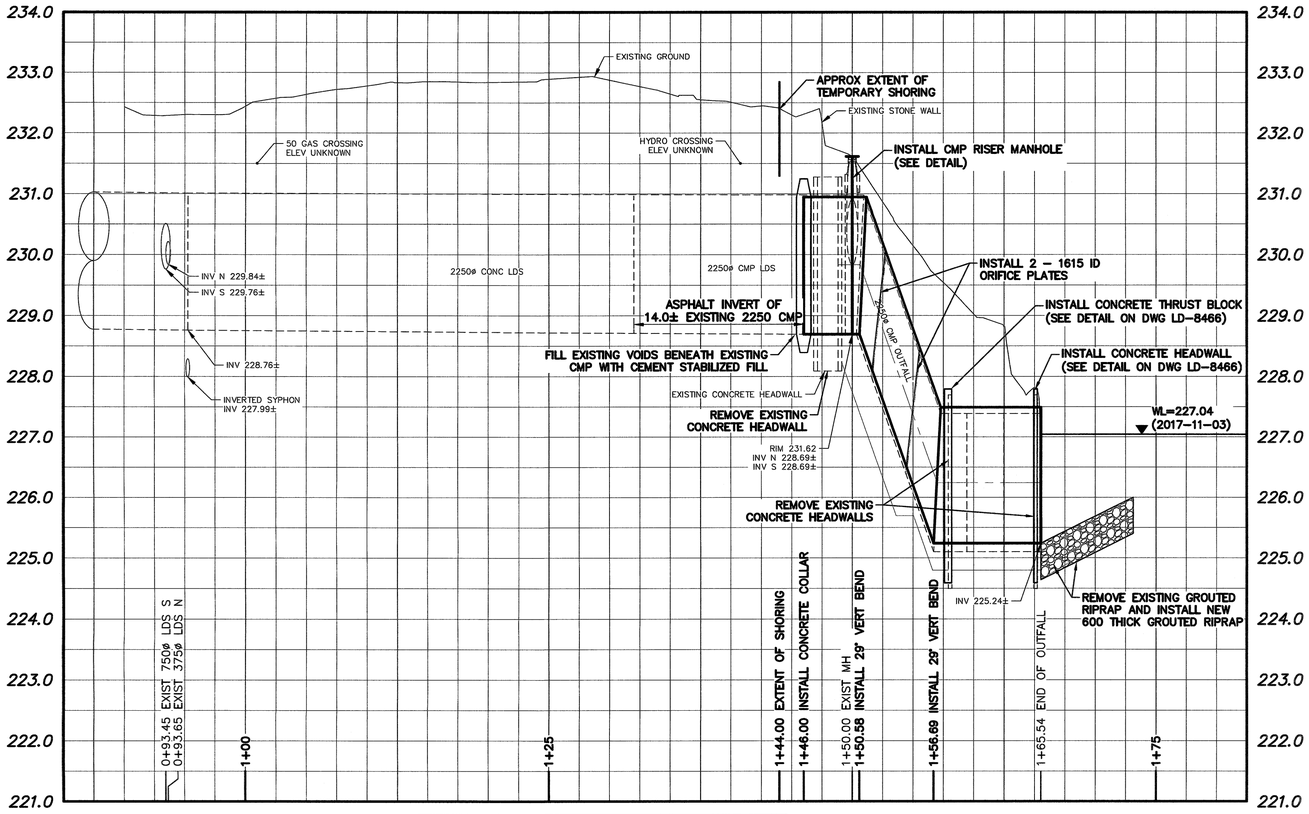
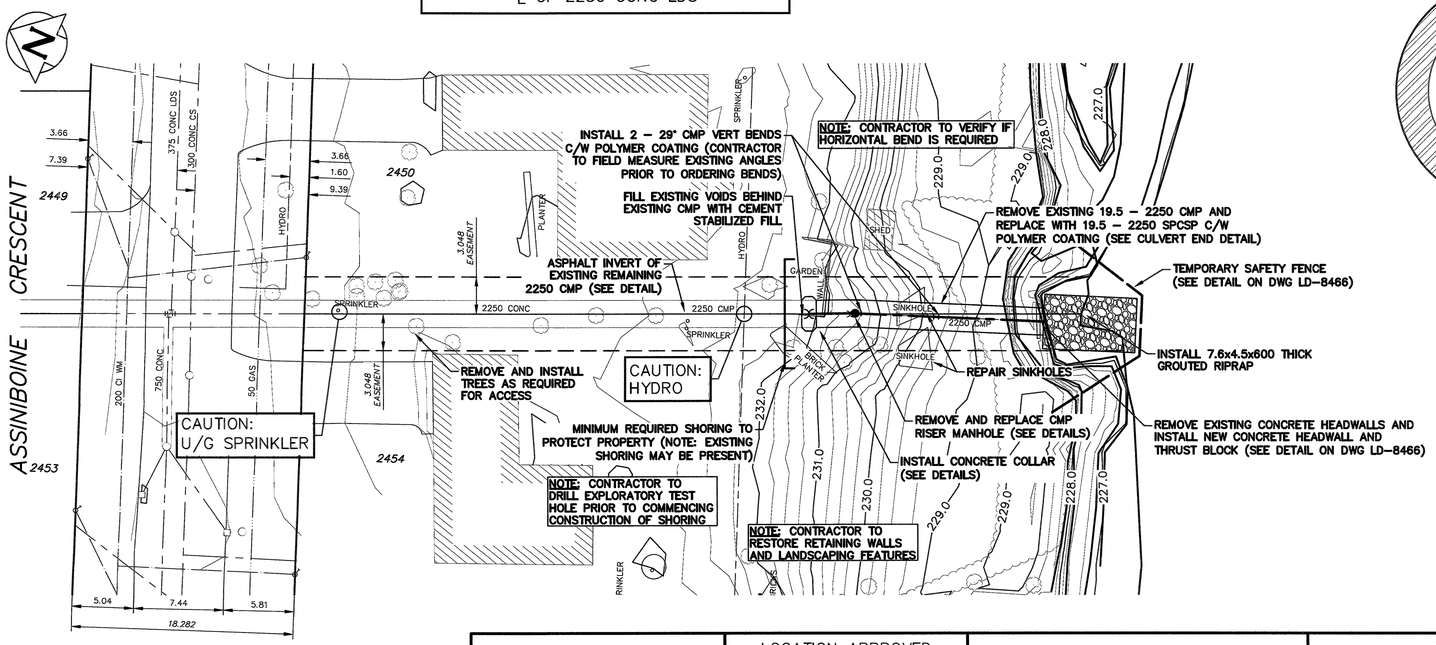
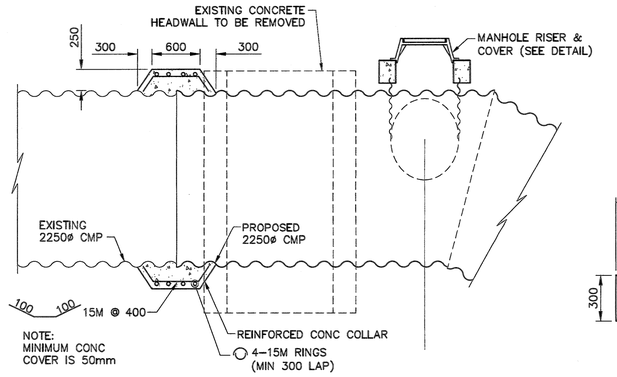


NOTE: CHAINAGES SHOWN ARE ALONG ℄ OF 2250 CONC LDS

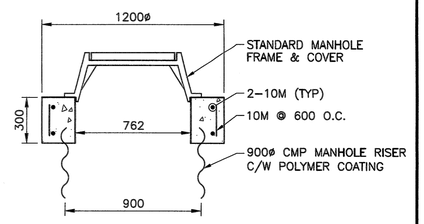


METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

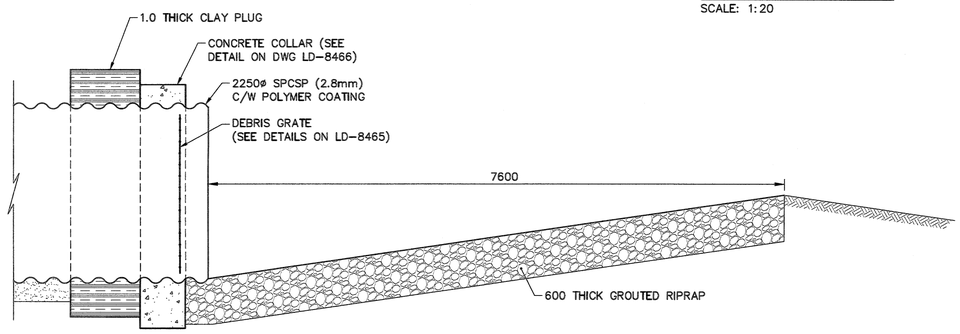
0.0 5.0 10.0 15.0 20.0 25.0



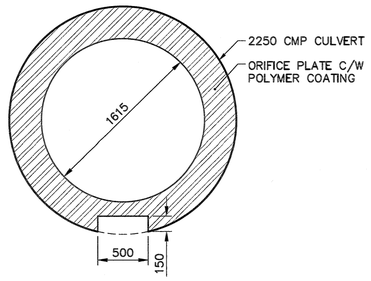
CONCRETE COLLAR AND MANHOLE DETAIL
SCALE: N.T.S.



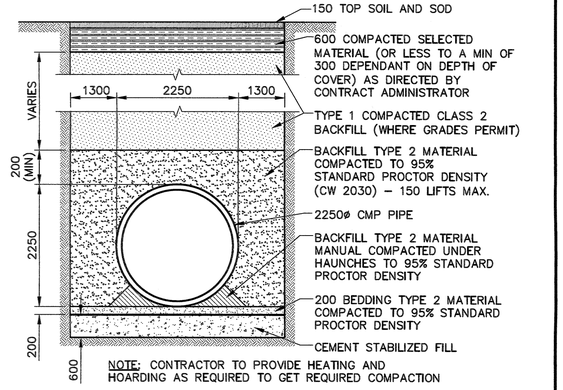
MANHOLE RISER DETAIL
SCALE: 1:20



CONCRETE HEADWALL AND CULVERT END DETAIL
SCALE: N.T.S.



ORIFICE PLATE DETAIL
SCALE: 1:30



PIPE BEDDING DETAIL
SCALE: N.T.S.

NOTES:

1. CLEAN EXISTING OUTFALL PIPE OF SEDIMENT.
2. CONSTRUCT CLAY COFFERDAM AT RIVER AS REQUIRED (SEE DWG LD–8465).
3. ALL EXCAVATED MATERIAL WITHIN 107.0 OF THE REGULATED SUMMER RIVER LEVEL (RSRL) MUST BE REMOVED FROM SITE (NO STOCKPILING).
4. STONE RETAINING WALLS, PATHWAYS, AND OTHER LANDSCAPING FEATURES TO BE REPLACED TO PRE–CONSTRUCTION CONDITIONS.
5. REMOVE AND INSTALL NEW TREES AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
6. CONTRACTOR TO SUBMIT SHORING SHOP DRAWINGS PRIOR TO CONSTRUCTION.
7. CONTRACTOR TO DRILL VERIFICATION TEST HOLE PRIOR TO COMMENCING CONSTRUCTION OF SHORING.
8. ALL CMP AND CMP CONNECTIONS SHALL BE POLYMER COATED.

PROPERTY LIMITS DELINEATION

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

APEGM
Certificate of Authorization
KGS Group
No. 245

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

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
0	ISSUED FOR CONSTRUCTION	2017 12 05	RBO

KGS GROUP CONSULTING ENGINEERS

DESIGNED BY	NGV	CHECKED BY	RBO
DRAWN BY	GEL	APPROVED BY	RBO
SCALE: HORIZONTAL	1:250	RELEASED FOR CONSTRUCTION	
VERTICAL	1:50		
DATE	2017 12 04	DATE	

PLOT DATE: 2017 12 04

ENGINEER'S SEAL
PROVINCE OF MANITOBA
R.B. OFFMAN
Member 24791
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NUMBER
17–0107–020_LD–8459

BID OPPORTUNITY: 1030–2017
CONTRACT NUMBER: X

FILE PATH: P:\Projects\2017\17–0107–020\Dwg\Mun\05 Assiniboine\
FILE NAME: 17–0701–020_05.dwg

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

2018 OUTFALL RENEWAL REHABILITATION PROGRAM

ASSINIBOINE CRESCENT OUTFALL (AS–34)

PLAN AND PROFILE
S–MA70011382 AND S–MA70011379

SHEET 5 OF 14

CITY DRAWING NUMBER
LD–8459