

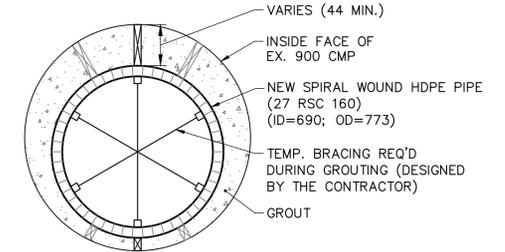
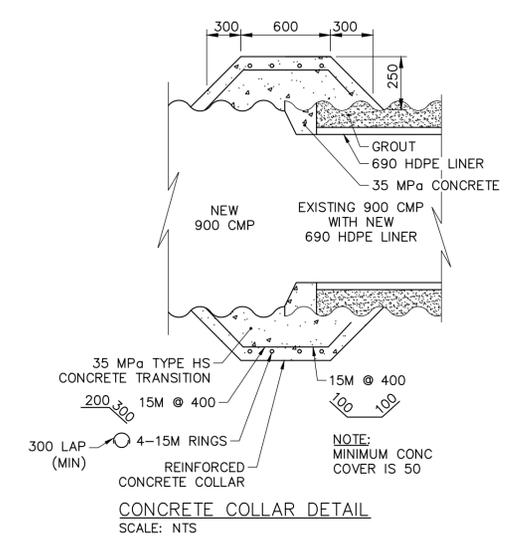
NOTE: CHAINAGES SHOWN ARE ALONG  $\phi$  EXISTING OUTFALL

**SUBSTRATE LEGEND**

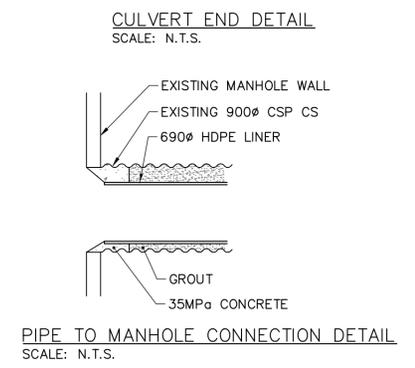
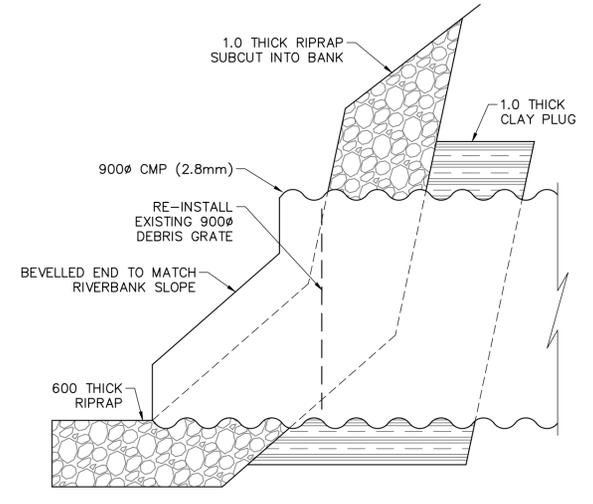
	CLAY WITH SILT ON TOP
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**SUBSTRATE TYPES BELOW ICE SCOUR AFFECTED BY THE PROJECT**

EXISTING SUBSTRATE	PERMANENT AREA (m <sup>2</sup> )	TEMPORARY AREA (m <sup>2</sup> )
CLAY WITH SILT ON TOP	0.0	0.0
TOTAL AREA AFFECTED	0.0	0.0

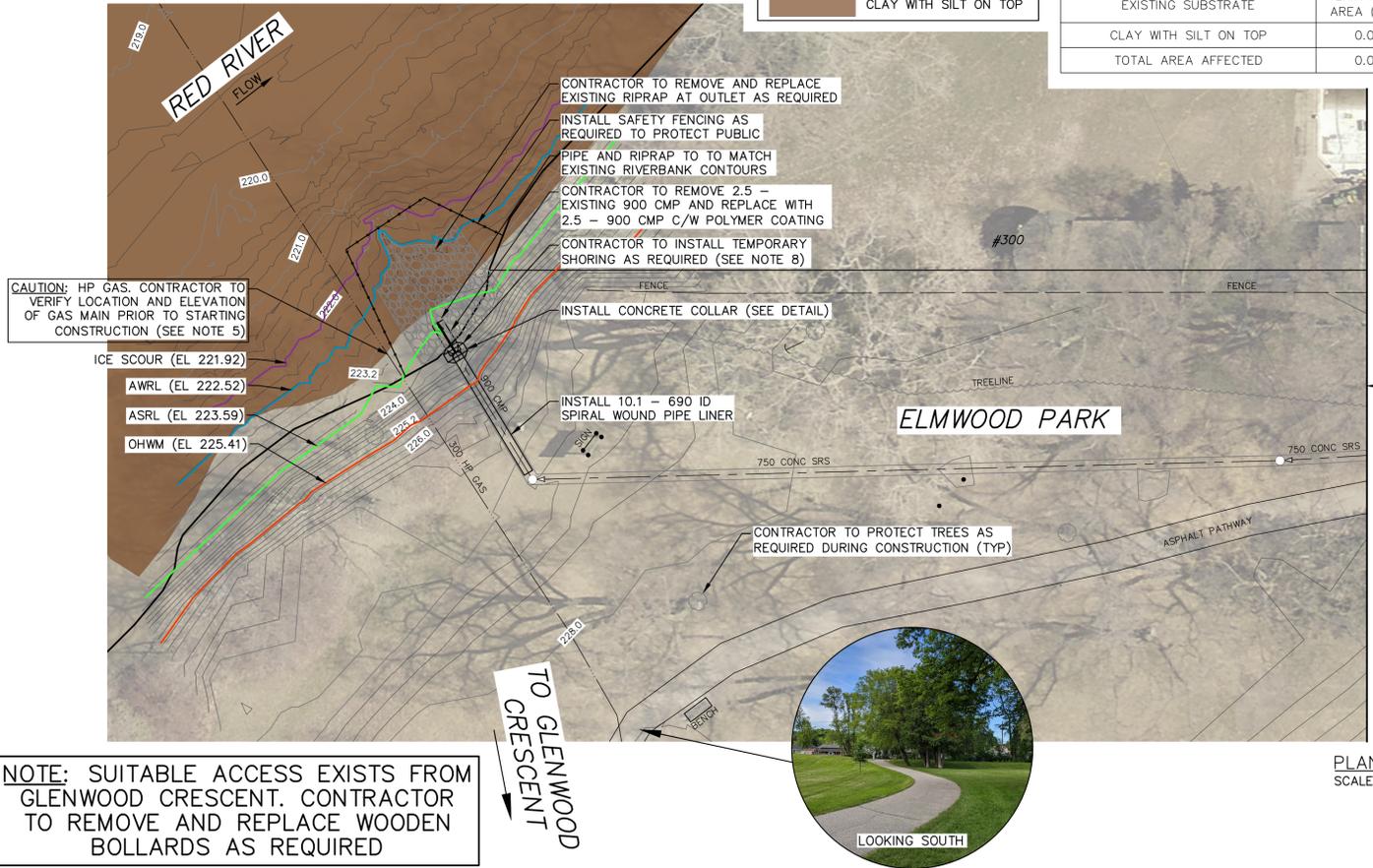


NOTE: INSTALLATION OF SPIRAL WOUND HDPE REQUIRES SPACERS AND OR WEIGHTS TO ENSURE LINER REMAINS IN DESIGNED POSITION (SPACERS DESIGNED BY THE CONTRACTOR)

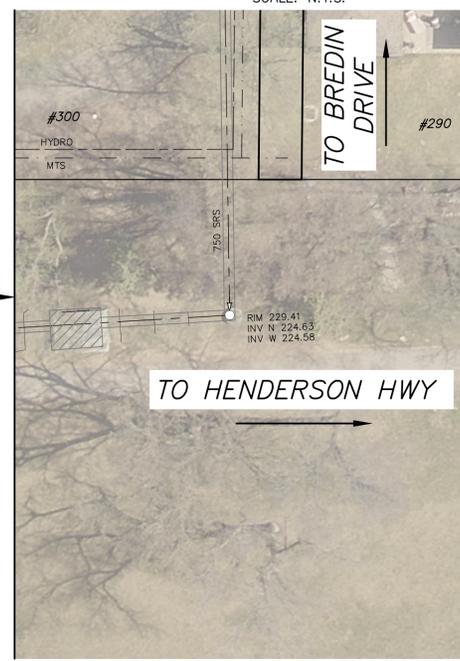


PIPE OUTLET  
DATE: 2022-01

- NOTES:**
- ALL EXCAVATED MATERIAL WITHIN 107.0 OF THE ASRL MUST BE REMOVED FROM SITE (NO STOCKPILING).
  - CONTRACTOR TO PROVIDE AND INSTALL PROPER WARNING SIGNS ALONG PEDESTRIAN PATHWAY CONCERNING WORK SITE.
  - CONTRACTOR TO PROVIDE ALTERNATE PEDESTRIAN ACCESS AS REQUIRED.
  - CONTRACTOR TO RESTORE SITE, INCLUDING CURBS, PATHWAY, AND LANDSCAPING FEATURES, TO PRE-CONSTRUCTION CONDITION.
  - CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF GAS MAIN USING SOFT DIGGING METHODS PRIOR TO CONSTRUCTION. COORDINATION FOR HYDRO WATCH (AS REQUIRED) IS THE RESPONSIBILITY OF THE CONTRACTOR.
  - PERMITS AS REQUIRED FOR CONSTRUCTION OF TEMPORARY ACCESS IS THE RESPONSIBILITY OF THE CONTRACTOR.
  - CONTRACTOR TO CLEAN EXISTING OUTFALL PIPE IN ADVANCE OF LINING.
  - TO PROTECT SURROUNDING GROUND AND UTILITIES, INCLUDING THE 300 HP GAS MAIN, TEMPORARY SHORING AND/OR ENGINEERED TRENCH BOX IS TO BE USED TO FACILITATE PIPE INSTALLATION WHERE REQUIRED.

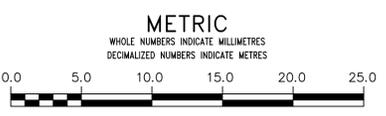


NOTE: SUITABLE ACCESS EXISTS FROM GLENWOOD CRESCENT. CONTRACTOR TO REMOVE AND REPLACE WOODEN BOLLARDS AS REQUIRED



PLAN  
SCALE 1:250

FOR INDEX PAGE SEE  
DWG 1-03030-D0013-001



**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 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.	ISSUED FOR TENDER	DATE	BY
0	ISSUED FOR TENDER	2022 12 02	RBO
	REVISIONS	DATE	BY

**KGS GROUP**

DESIGNED BY NGV  
DRAWN BY GEL

CHECKED BY RBO  
APPROVED BY

SCALE:  
HORIZONTAL 1:250  
VERTICAL 1:50

DATE 2022 12 02

ENGINEER'S SEAL

CONSULTANT DRAWING NUMBER  
1-03030-C0067-001

**THE CITY OF WINNIPEG**  
WATER AND WASTE DEPARTMENT  
ENGINEERING DIVISION

2022 OUTFALL PROGRAM

**300 BREDIN DRIVE OUTFALL**  
PLAN AND PROFILE  
S-MA40005212

SHEET 3 OF 12  
CITY DRAWING NUMBER  
1-03030-C0067-001