



PIPE OUTLET  
DATE 2020-11

NOTES:

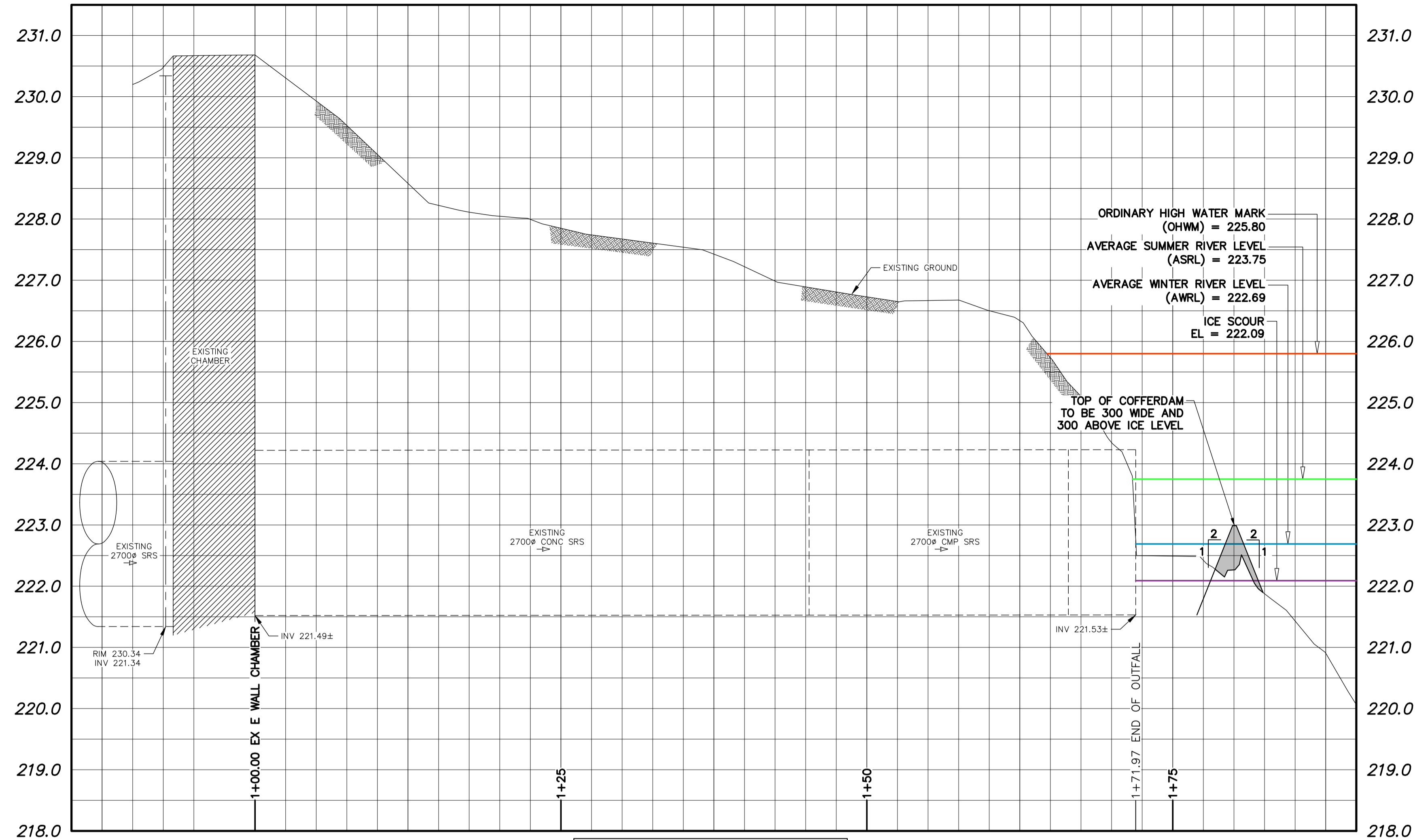
1. ALL EXCAVATED MATERIAL WITHIN 107.0 OF THE ASRL MUST BE REMOVED FROM SITE (NO STOCKPILING).
2. CONSTRUCT TEMPORARY CLAY COFFERDAM AT RIVER AS REQUIRED TO FACILITATE CLEANING.
3. CONTRACTOR TO PROTECT EXISTING TREES AND GEO INSTRUMENTATION THROUGHOUT CONSTRUCTION.
4. CONTRACTOR TO PROVIDE AND INSTALL PROPER WARNING SIGNS ALONG PEDESTRIAN PATHWAY CONCERNING WORK SITE.
5. CONTRACTOR TO PROVIDE ALTERNATE PEDESTRIAN ACCESS AS REQUIRED.
6. PERMITS AS REQUIRED FOR CONSTRUCTION OF TEMPORARY ACCESS IS THE RESPONSIBILITY OF THE CONTRACTOR.
7. ALL MATERIALS, INCLUDING TEMPORARY MATERIAL PLACED TO CONSTRUCT EQUIPMENT PADS, MUST BE REMOVED FROM SITE FOLLOWING COMPLETION OF WORKS.
8. REMOVE AND RE-INSTALL DEBRIS GRATE AS REQUIRED.
9. TO FACILITATE HDD CLEANING AROUND BEND AT OUTLET, ALLOWANCE FOR SPCSP PLATE REPLACEMENT IS INCLUDED IN THE CONTRACT. REPLACEMENT SPCSP PLATE IS TO MATCH EXISTING SPCSP SIZE, PATTERN, MATERIAL AND GAUGE.

**SUBSTRATE LEGEND**

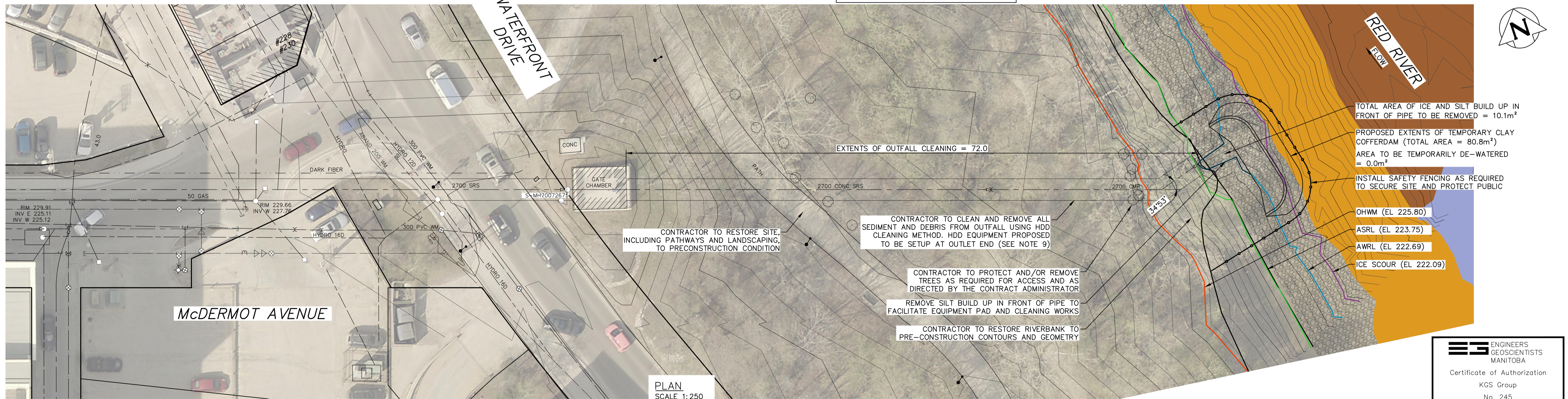
	GRAVEL/COBBLE/SAND/CLAY
	GRAVEL
	CLAY/SILT WITH SOME GRAVEL
	RIPRAP/CLAY

**SUBSTRATE TYPES BELOW ICE SCOUR AFFECTED BY THE PROJECT**

EXISTING SUBSTRATE	PERMANENT AREA (m <sup>2</sup> )	TEMPORARY AREA (m <sup>2</sup> )
GRAVEL/COBBLE/SAND/CLAY	0.0	7.5
GRAVEL	0.0	0.0
CLAY/SILT/WITH SOME GRAVEL	0.0	0.0
RIPRAP/CLAY	0.0	14.0
TOTAL AREA AFFECTED	0.0	21.5



NOTE: CHAINAGES SHOWN ARE ALONG CL EXISTING OUTFALL



TOTAL AREA OF ICE AND SILT BUILD UP IN FRONT OF PIPE TO BE REMOVED = 10.1m<sup>2</sup>

PROPOSED EXTENTS OF TEMPORARY CLAY COFFERDAM (TOTAL AREA = 80.8m<sup>2</sup>)  
AREA TO BE TEMPORARILY DE-WATERED = 0.0m<sup>2</sup>

INSTALL SAFETY FENCING AS REQUIRED TO SECURE SITE AND PROTECT PUBLIC

OHWM (EL 225.80)  
ASRL (EL 223.75)  
AWRL (EL 222.69)  
ICE SCOUR (EL 222.09)

CONTRACTOR TO RESTORE SITE, INCLUDING PATHWAYS AND LANDSCAPING, TO PRECONSTRUCTION CONDITION

CONTRACTOR TO CLEAN AND REMOVE ALL SEDIMENT AND DEBRIS FROM OUTFALL USING HDD CLEANING METHOD. HDD EQUIPMENT PROPOSED TO BE SETUP AT OUTLET END (SEE NOTE 9)

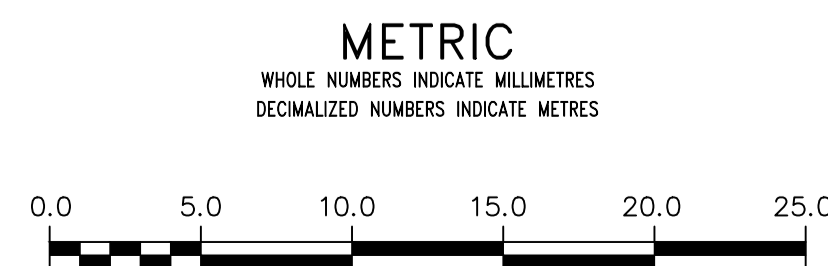
CONTRACTOR TO PROTECT AND/OR REMOVE TREES AS REQUIRED FOR ACCESS AND AS DIRECTED BY THE CONTRACT ADMINISTRATOR

REMOVE SILT BUILD UP IN FRONT OF PIPE TO FACILITATE EQUIPMENT PAD AND CLEANING WORKS

CONTRACTOR TO RESTORE RIVERBANK TO PRE-CONSTRUCTION CONTOURS AND GEOMETRY

PLAN SCALE 1:250

FOR INDEX PAGE SEE DWG 1-03030-D0009-001



**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.	ISSUED FOR TENDER	DATE	BY
	0	ISSUED FOR TENDER	2021 11 05	
		REVISIONS	DATE	BY

<b>KGS GROUP</b>	
DESIGNED BY	NGV
CHECKED BY	
DRAWN BY	GEL
APPROVED BY	
SCALE:	
HORIZONTAL	1:250
VERTICAL	1:50
RELEASED FOR CONSTRUCTION	
DATE	2021 11 04
PLOT DATE:	2021 11 04

ENGINEER'S SEAL  
CONSULTANT DRAWING NUMBER  
1-03030-C0054-001

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

2020-2021 OUTFALL PROGRAM  
CLEANING

**WATERFRONT DRIVE AND McDERMOT AVENUE OUTFALL**  
PLAN AND PROFILE  
S-MA70145080

SHEET 17 OF 26  
CITY DRAWING NUMBER  
1-03030-C0054-001