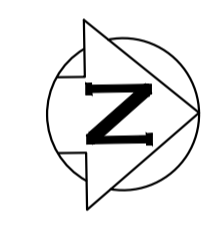


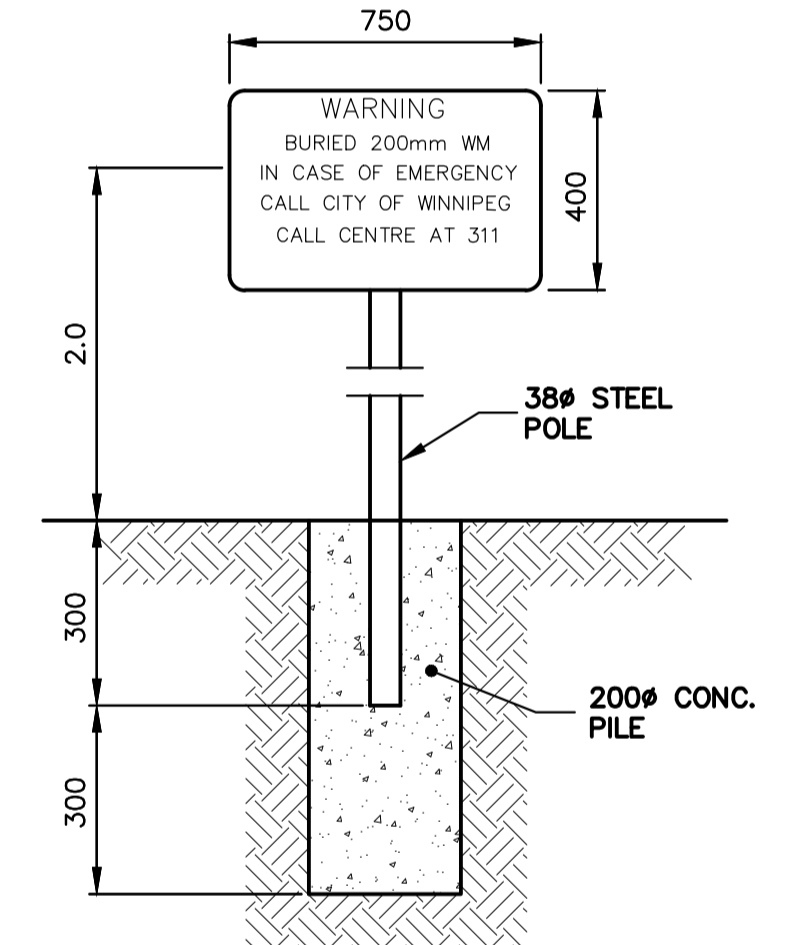
WATER CARRIER PIPE INFORMATION
 DIAMETER - 200mm (292.1mm O.D. AT BELL/SPIGOT).
 - 7.87 INCHES (11.5 INCHES O.D. AT BELL/SPIGOT).
 MATERIAL - PVC.
 WALL THICKNESS - 18.6 mm (0.512 INCHES)
 PIPE CLASS - AWWA C900 DR18.
 SURGE PRESSURE - 300 PSI (2.0MPa).
 OPERATING PRESSURE - 60 PSI (0.4 MPa).
 TEST PRESSURE - 150 PSI (1.0 MPa)
 INSTALLATION METHOD:
 - HORIZONTAL DIRECTIONAL DRILL (HDD) WITH CORING HEAD TO BE MAX 0.5 FROM CASING.
ENCASEMENT PIPE INFORMATION
 DIAMETER - 407mm (16.0 INCHES)
 MATERIAL - STEEL - ASTM A53
 WALL THICKNESS - 7.92 mm (0.312 INCHES) MIN.
 YIELD STRENGTH - 241 MPa
 LENGTH - CPR R.O.W. - 32.8, BNSF R.O.W. - 32.3
 CATHODIC PROTECTION - SACRIFICIAL ANODES
 LONGITUDINAL JOINT FACTOR (E) - 1.00
 JOINTS - ELECTRIC RESISTANCE WELDED
 VENTS - NONE
 END SEALS - NON-SHRINKABLE GROUT
 COATING - NONE

NOTE: CHAINAGES SHOWN ARE ALONG E. R. OF ERIN STREET

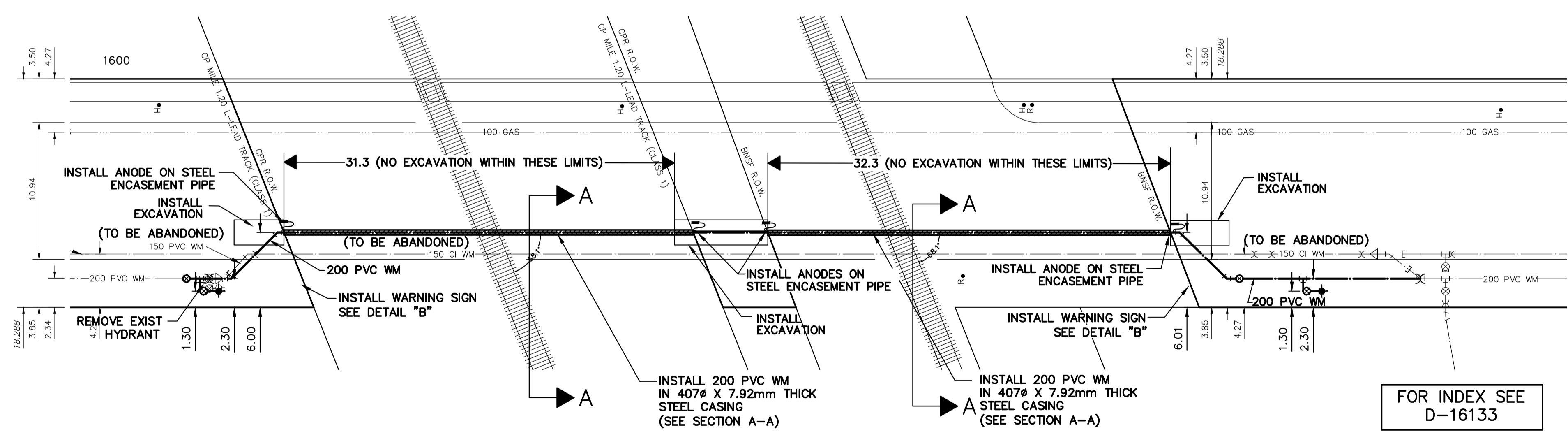


ERIN STREET

NOTRE DAME AVENUE



DETAIL "B" WARNING SIGN DETAIL N.T.S.

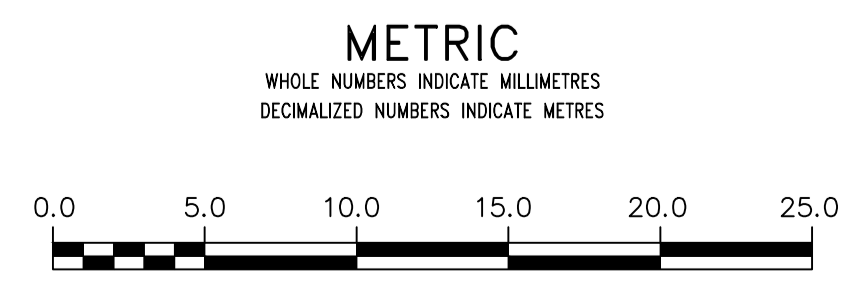


FOR INDEX SEE D-16133

NOTE: ALL VALVES TO BE INSTALLED COUNTERCLOCKWISE TO CLOSE

RAILWAY NOTES

1. RAILWAY CROSSING WILL BE CONSTRUCTED, MAINTAINED AND OPERATED IN ACCORDANCE TO TRANSPORT CANADA AGENCY GENERAL ORDER E-10 (STANDARDS RESPECTING PIPELINE CROSSINGS UNDER RAILWAYS).
2. CONSTRUCTION WITHIN THE CPR R.O.W. SHALL CONFORM TO CPR SAFETY/INSTALLATION PROTOCOLS.
3. CONSTRUCTION WITHIN THE BNSF R.O.W. SHALL CONFORM TO BNSF SAFETY/INSTALLATION PROTOCOLS.
4. EXCAVATIONS SHALL NOT BE CLOSER TO THE RAIL TRACKS THAN NOTED ON THE DRAWING.
5. NO RAILWAY CROSSING CONSTRUCTION SHALL BE PERMITTED UNTIL THE CONTRACTOR IS IN RECEIPT OF APPROVAL FROM BOTH CPR AND BNSF.
6. CONTRACTOR TO ARRANGE LOCATES AND SOFT DIG ALL RAILWAY UTILITIES PRIOR TO CONSTRUCTION.
7. EXISTING WATER MAINS IN THE CP R.O.W. AND B.N.S.F. R.O.W. TO BE ABANDONED MUST BE CUT, FILLED WITH GROUT AND CAPPED.



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.

VERTICAL DATUM: CGVD28 (HT2.0 Geoid)
 HORIZONTAL DATUM: NAD83 (June 1990), Zone 14

NO.	REVISIONS	DATE	BY

DESIGNED BY	RG	CHECKED BY	SC
DRAWN BY	AJ	APPROVED BY	KZ
SCALE:		RELEASED FOR CONSTRUCTION	
HORIZONTAL	1:250		
VERTICAL	1:50		
DATE	2022 07 14	DATE	
PLOT DATE:	2022 07 14		

ENGINEER'S SEAL
 CONSULTANT DRAWING NUMBER

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 ENGINEERING DIVISION

2022 WATER MAIN RENEWALS
 CONTRACT 12
ERIN STREET
 170 S NOTRE DAME AVENUE TO
 39 S NOTRE DAME AVENUE

SHEET 6 OF 14
 CITY DRAWING NUMBER
D-15911