

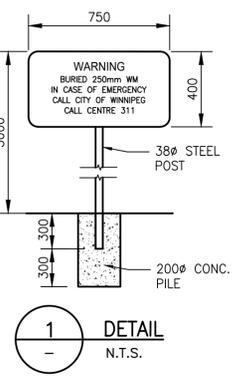
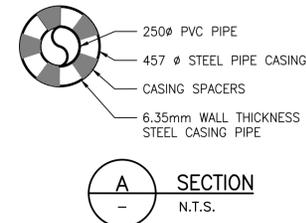
WATER SERVICE INFORMATION

ADDRESS	PIPE SIZE & MATERIAL (STREET)	PIPE SIZE & MATERIAL (PROP.)	SHORT & LONG MEASUREMENT	CORP. LOCATION	REMARKS
* 1061 SELKIRK AVE	12	12	3.66 EEL OF HOUSE	1.22 W OF S/C	RENEW SERVICE
RESIDENTIAL	LEAD	LEAD	37.8 EEL SGT TOMMY PRINCE ST		
1060 SELKIRK AVE	20	20	4 W/E BLDG	OPP S/C	RECONNECT SERVICE
COMMERCIAL	CU	CU	7 W/E LL		
* 1059 SELKIRK AVE	20	20	2.74 EWL OF BLDG	OPP S/C	RENEW SERVICE
RESIDENTIAL	LEAD	LEAD	185.62 EEL OF MCPHILLIPS		
1035 SELKIRK AVE	20	20	1.9 W/EBL	OPP CS	RECONNECT SERVICE
RESIDENTIAL	CU	CU	-		
1033 SELKIRK AVE	20	20	1.6 E/WBL	1.1 E/WBL	RECONNECT SERVICE
RESIDENTIAL	CU	CU	-		

* SERVICES TO BE RENEWED TO R

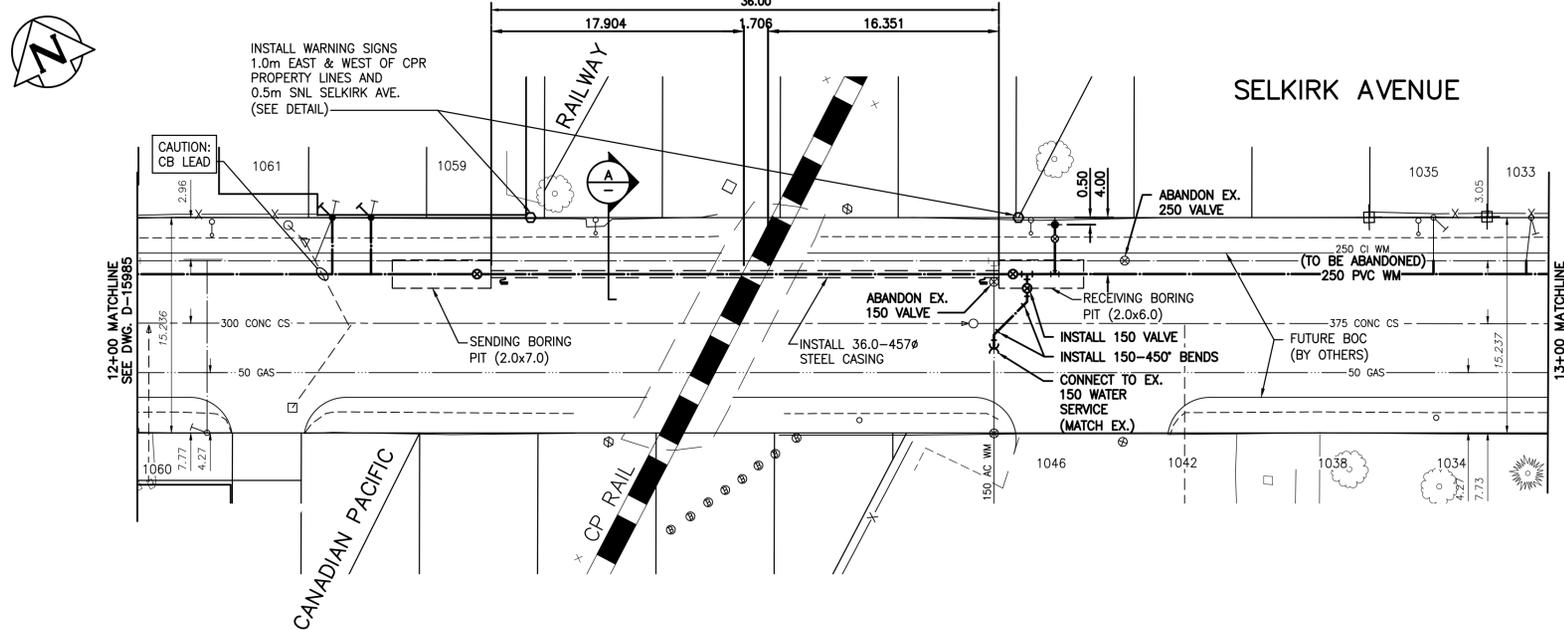
NOTE: CHAINAGES SHOWN ARE ALONG CENTRE LINE OF ROW

WATER CARRIER PIPE INFO FOR C.P.R. CROSSING
 DIAMETER - 250mm
 MATERIAL - PVC
 WALL THICKNESS = 15.7mm
 PIPE CLASS - AWWA C900 DR 18
 SURGE PRESSURE = 300 PSI (2.0MPa)
 OPERATING PRESSURE = 60 PSI (0.4 MPa)
 TEST PRESSURE = 150 PSI (1.0MPa)
 INSTALLATION METHOD - AUGER OR BORING
 CASING PIPE INFO
 OUTSIDE DIAMETER - 457mm
 MATERIAL - BLACK STEEL ASTM 53
 WALL THICKNESS - 6.35mm
 YIELD STRENGTH - 241 MPa
 INSTALLATION METHOD - JACKING OR RAMMING



- NOTES:**
- RAILWAY CROSSING TO BE CONSTRUCTED AND MAINTAINED, IN ACCORDANCE WITH CANADIAN TRANSPORT AGENCY GENERAL ORDER E-10.
 - EMERGENCY VALVE LOCATION, 65.8m WEST & 70.6m EAST OF CROSSING.
 - EXISTING 250 CI WATERMAIN TO BE FILLED WITH CEMENT STABILIZED FLOWABLE FILL WITHIN C.P.R. RIGHT OF WAY.
 - CONTRACTOR TO SUBMIT A SHOP DRAWING OF SHORING THAT IS CAPABLE OF SUPPORTING THE EXCAVATION WALL CLOSEST TO THE CP RAIL RIGHT OF WAY UNDER AASHTO HS20 LOADING. SHOP DRAWINGS TO BE SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
 - INSTALL WARNING SIGNS AT EACH EDGE OF RAILWAY RIGHT-OF-WAY.
 - CASING PIPE TO BE CATHODICALLY PROTECTED WITH 10.9kg SACRIFICIAL ZINC ANODES ON BOTH ENDS.
 - CASING PIPE TO BE INSTALLED BY JACKING OR RAMMING WITH A MINIMUM TWO DIAMETER SOIL PLUG BEHIND THE LEADING EDGE OF THE PIPE.

OWNER CONTACT INFORMATION
 CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 KAS ZUREK, P. ENG.
 DESIGN AND CONSTRUCTION ENGINEER
 110 - 1199 PACIFIC AVENUE
 WINNIPEG, MB
 R3E 3S8
 TEL:(204) 986-2025
 FAX:(204) 986-5345



NOTE: VALVES TO BE INSTALLED COUNTER-CLOCKWISE TO CLOSE

FOR INDEX SEE D-15983

ENGINEERS GEOSCIENTISTS MANITOBA
 Certificate of Authorization
 Stantec Consulting Ltd.
 No. 1301

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.			
NO.	REVISIONS	DATE	BY
03	ISSUED FOR TENDER	2021.04.09	RS
02	ISSUED FOR 66% REVIEW	2021.03.19	RS
01	ISSUED FOR 30% REVIEW	2021.03.05	RS

Stantec

DESIGNED BY	RS	CHECKED BY	RS
DRAWN BY	SC	APPROVED BY	RS
SCALE:	HORIZONTAL 1:250 VERTICAL 1:50		
DATE	2019.01.15		

ENGINEER'S SEAL
 CONSULTANT DRAWING NUMBER
C-203

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 ENGINEERING DIVISION

2021 WATERMAIN RENEWALS
 CONTRACT 6
SELKIRK AVENUE
 200 E OF MCPHILLIPS STREET TO
 300 E OF MCPHILLIPS STREET

SHEET **05** OF **14**
 CITY DRAWING NUMBER
D-15986

