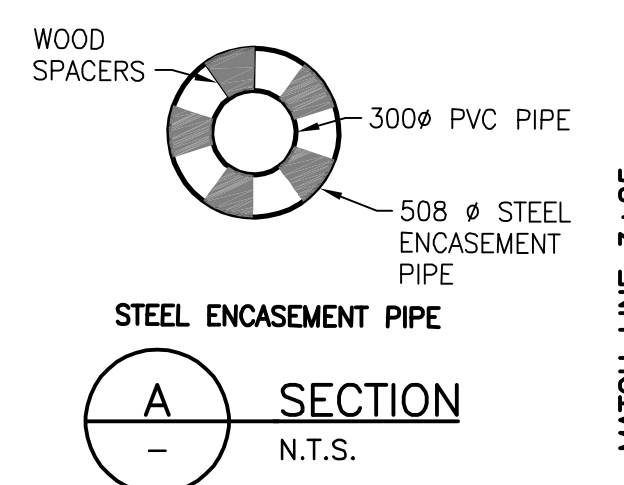


OWNER CONTACT INFORMATION
 CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 KAS ZUREK, P. ENG.
 DESIGN AND CONSTRUCTION ENGINEER
 110 - 1199 PACIFIC AVENUE
 WINNIPEG, MB
 R3E 3S8
 TEL:(204) 986-2025
 FAX:(204) 986-5345



WATER CARRIER PIPE INFO FOR C.P.R. CROSSING
 DIAMETER - 300mm
 MATERIAL - PVC
 WALL THICKNESS = 18.6mm
 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 - CORED
ENCASUREMENT PIPE INFO
 OUTSIDE DIAMETER - 508mm
 MATERIAL - BLACK STEEL ASTM A35
 WALL THICKNESS - 7.1mm
 YIELD STRENGTH - 241 MPa

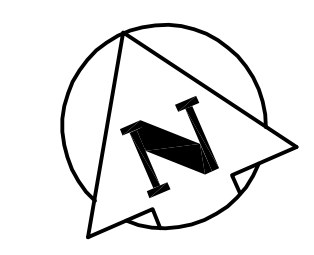
WARNING
 IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:
 1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
 2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
 SEE PROVINCIAL REGULATION 140/92 FOR DETAILS



METRIC
 WHOLE NUMBERS INDICATE MILLIMETRES
 DECIMALIZED NUMBERS INDICATE METRES

BENCH MARK: N.E. Cor. Notre Dame Ave. & Weston St., Tblt. in S. Conc. foundation No. 1315 Notre Dame Ave., 7m E. & 0.2m below top of foundation of S.W. Cor. of Bldg.

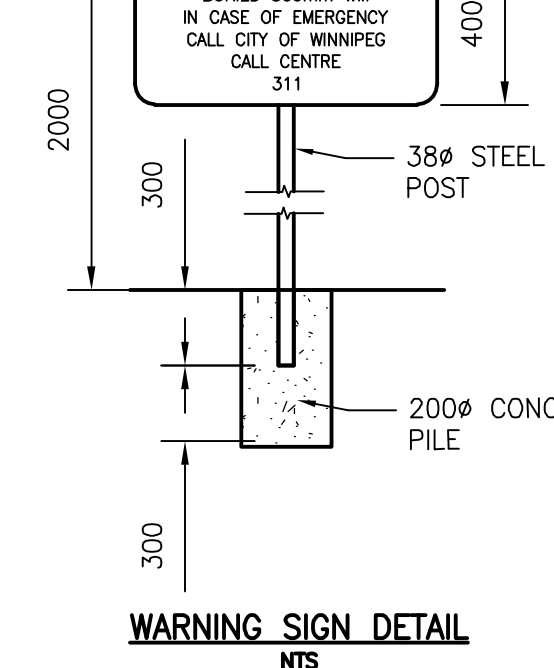
NOTE: STATIONS ALONG N R OF NOTRE DAME AVE



ADDRESS	SIZE (mm) & TYPE (STREET)	SHORT & LONG MEASUREMENT	CORP LOCATION	REMARKS
#1340 NOTRE DAME AVE INDUSTRIAL	38 COPPER	38.4 SBL OF BUILDING 63.4 SBL OF NOTRE DAME	OPP S/C	-
#1340 NOTRE DAME AVE SPRINKLER	150 PVC	18.0 1ST 1/2 S OF N. DAME 39.6 SBL OF BUILDING	OPP S/C	150 TO 200 INCREASER INSTALLED 2.6 E OF S/C
#1351 NOTRE DAME AVE RESIDENTIAL	19 COPPER	4.5 WEL OF BUILDING 59.7 WBL OF CLIFTON	0.6 W OF S/C	SERV REN ON ST FR 19 LEAD TO 19 COPPER. USED OLD CORP
#1355 NOTRE DAME AVE RESIDENTIAL	19 COPPER	2.9 EWL OF HOUSE 11.8 WBL OF 1351	0.3 E OF S/C	S/C 41.5 EWL 1351
#1358 NOTRE DAME AVE RESIDENTIAL	19 COPPER	2.3 WEL OF HOUSE 21.8 WBL OF 1351	0.3 E OF S/C	S/C 41.5 EWL 1371
#1363 NOTRE DAME AVE RESIDENTIAL	19 COPPER	3.7 EWL OF HOUSE 27.7 WBL OF 1371	0.3 E OF S/C	S/C 35.4 W OF 1351
#1367 NOTRE DAME AVE RESIDENTIAL	19 COPPER	1.9 WEL OF HOUSE 17.4 WBL OF 1371	0.3 E OF S/C	S/C 45.7 W OF 1351
#1371 NOTRE DAME AVE RESIDENTIAL	19 COPPER	1.2 WEL OF HOUSE 6.6 WBL OF HOUSE	0.3 E OF S/C	S/C 56.7 W OF 1351
#1379 NOTRE DAME AVE RESIDENTIAL	19 COPPER	3.7 EWL OF HOUSE 110.3 EEL OF FLINT	OPP S/C	-
#1380 NOTRE DAME AVE COMMERCIAL	25 COPPER	0.3 SBL OF BUILDING 33.2 SBL OF NOTRE DAME	0.6 N OF S/C	-
#1384 NOTRE DAME AVE NOT IN USE	13 COPPER	0.9 WEL OF HOUSE 13.1 EEL OF SPRUCE	8.2 E OF VALVE	-

- NOTES:**
- CONTRACTOR TO EXPOSE EXISTING WATERMAINS AT THE IN'S AND CONFIRM INVERTS OF PIPE.
 - CONTRACTOR TO FOLLOW LATEST VERSION OF THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
 - WATERMAIN TO BE INSTALLED BY TRENCHLESS METHODS.
 - CLASS 3 BACKFILL TO BE USED WITHIN 1 METER OF PAVED SURFACES.
 - CONTRACTOR TO NOTIFY RESIDENTS AT LEAST 24 HOURS PRIOR TO ANY DISRUPTION OF WATER SERVICE.
 - RAILWAY CROSSING TO BE DESIGNED, CONSTRUCTED, MAINTAINED AND OPERATED IN ACCORDANCE WITH TRANSPORT CANADA TCE-10 (JUNE 21, 2000).
 - ENCASUREMENT PIPE SHALL BE INSTALLED BY PIPE JACKING OR RAMMING METHODS.
 - OWATERMAIN TO BE INSTALLED WITHIN THE CP RAIL ROW BY AUGER OR BORING METHODS.
 - EMERGENCY VALVE LOCATION, 18.2m WEST & 17.8m EAST OF CROSSING.
 - EXISTING 300 CI WATERMAIN IS TO BE FILLED WITH 11. CEMENT STABILIZED FLOWABLE FILL WITHIN C.P.R. RIGHT OF WAY.
 - CONTRACTOR TO SUBMIT A SHOP DRAWING OF THE SHORING THAT IS CAPABLE OF SUPPORTING THE EXCAVATION WALL CLOSEST TO THE CP RAIL RIGHT OF WAY UNDER ASHTO HS20 LOADING. SHOP DRAWINGS ARE TO BE SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER.

MATCH LINE 4+50
SEE DRAWING D-12320



150 WM	WATERMAIN	150 WM	HYDRO	150 WM	WATERMAIN	150 WM
+	HYDRANT	+	M.T.S.	+	HYDRANT, VALVE	+
o	VALVE	o	CONCRETE	o	LAND DRAINAGE SEWER	o
---	LAND DRAINAGE SEWER	---	ASPHALT	---	WASTE WATER SEWER	---
---	WASTE WATER SEWER	---	SIDEWALK	---	Q. PROFILE	---
o	MANHOLE	o	PROPERTY LINE	o	NORTH OR WEST GUTTER	o
o	CATCH BASIN	o	SURVEY BAR	o	SOUTH OR EAST GUTTER	o
o	CURB INLET	o	DITCH	o	NORTH OR WEST R	o
o	JUNCTIONS	o	CURB STOP	o	SOUTH OR EAST R	o
o	SACRIFICIAL ANODE	o	TREE	o	NORTH OR WEST DITCH	o
o	GAS	o	FENCE	o	SOUTH OR EAST DITCH	o
---	EXISTING	---	LEGEND-PLAN	---	LEGEND-PROFILE	---
---	PROPOSED	---	EXISTING	---	PROPOSED	---

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. 36-50
ELEV. 233.107m

1. ADDENDUM 1 11.03.24 H.A.K.

NO. REVISIONS DATE BY

Stantec Consulting Ltd.
 905 Waverley Street, Winnipeg, Manitoba
 Tel 204-489-5900 Fax 204-453-9012

DESIGNED BY: R.M.S. CHECKED BY: H.A.K.
 DRAWN BY: R.M.S. APPROVED BY: H.A.K.

HOR. SCALE: 1:250
 VERTICAL: 1:50

RELEASED FOR CONSTRUCTION: _____

DATE: FEBRUARY, 2011

ENGINEER'S SEAL

ORIGINAL SEALED BY
 H.A. KATZ
 P. ENG.
 11/03/15

CONSULTANT DRAWING NO.
 C-202

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 ENGINEERING DIVISION

NOTRE DAME AVENUE
 45.6 WVL VALOUR RD TO 74.0 WVL CLIFTON ST
 NOTRE DAME AVENUE WATERMAIN RENEWAL -

SHEET 2 OF 3
 CAD FILE DRAWING NUMBER 12780c-201-751.dwg
 CITY DRAWING NUMBER D-12319

CONTRACT No. 16