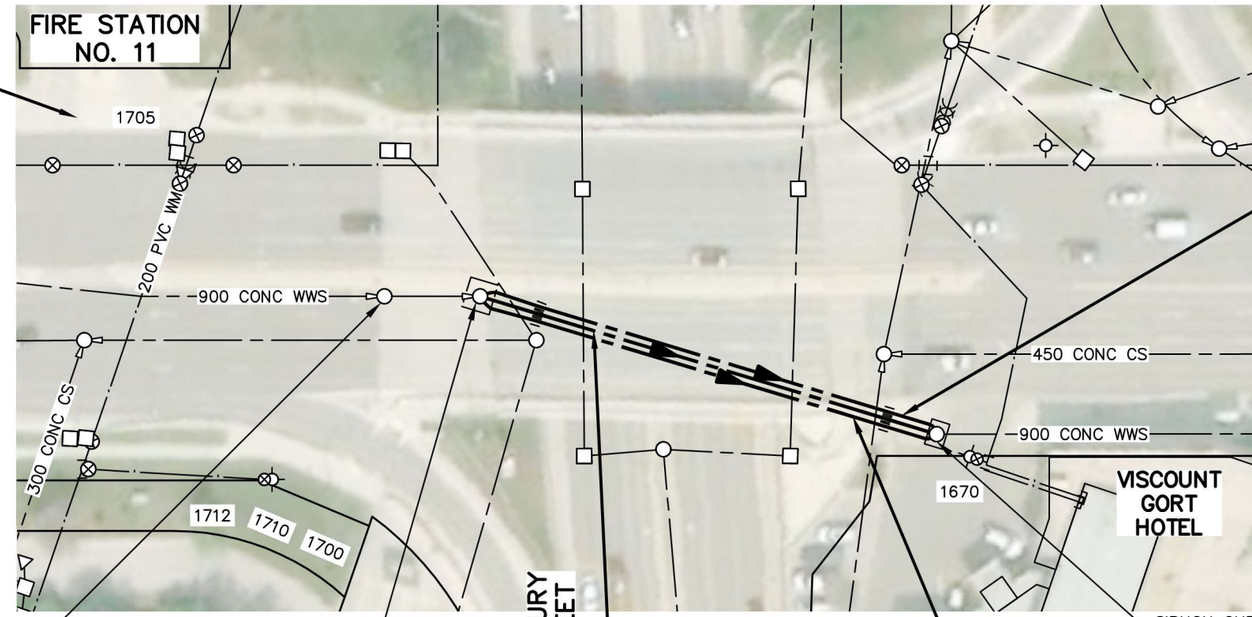
PORTAGE AVENUE

MAINTAIN ACCESS TO FIRE STATION AT ALL TIMES



S-MH20008314
RIM 234.010
INV W 230.160
INV E 230.160

SIPHON INLET CHAMBER
S-MH20008313
RIM 234.163
WEIR 230.45
INV E 230.150
INV E 230.150
INV E 230.150
INV W 230.150

61.5 OF 300 STEEL WWS SIPHON TO BE LINED
S-MA70100290
(FULLY DETERIORATED)
DESIGN INVERT ELEV 223.952

61.5 OF 450 STEEL WWS SIPHON TO BE LINED
S-MA20009009
(FULLY DETERIORATED)
DESIGN INVERT ELEV 223.953

61.5 OF 500 STEEL WWS SIPHON TO BE LINED
S-MA70100297
(FULLY DETERIORATED)

SIPHON OUTLET CHAMBER
S-MH20010371
RIM 233.843
INV E 230.020
INV S 230.020
INV W 230.020
INV N 230.020

CONSTRUCTION NOTES:

1. THREE-BARREL SEWER SIPHON CONFIGURATION CROSSING BELOW CENTURY STREET UNDERPASS AT PORTAGE AVENUE. REFER TO RECORD DRAWINGS APPENDIX D FOR DETAILS.
2. INSTALL TEMPORARY CONSTRUCTION FENCING AT DOWNSTREAM SIPHON CHAMBER AS REQUIRED TO ISOLATE THE SITE.
3. SITE LIMITS SHALL NOT ENCROACH ONTO PRIVATE PROPERTY. UNLESS APPROVED BY THE PROPERTY OWNER.
4. SIPHON CLEANING AND DEWATERING IS REQUIRED TO FACILITATE THE WORK.
5. PIPELINE ACCESS FOR REHABILITATION SHALL BE VIA EXISTING MANHOLES AT SIPHON INLET AND OUTLET CHAMBERS. STRUCTURAL MODIFICATION OF EXISTING CHAMBERS IS NOT PERMITTED.
6. CIPP LINERS SHALL BE INSTALLED BY WATER INVERSION AND HOT WATER CURE METHODS ONLY.
7. CONTINUOUS LENGTH TEMPERATURE MONITORING SYSTEM SHALL BE UTILIZED FOR ALL LINER INSTALLATIONS.
8. CIPP LINERS MAY BE INSTALLED IN EITHER USPTREAM OR DOWNSTREAM DIRECTION.
9. LINING OF PIPE ACCESS WYES AT UPSTREAM SIPHON CHAMBER NOT REQUIRED. REINSTATE WYE CONNECTIONS AFTER LINING.
10. INCOMING SEWER FLOWS MAY BE INFLUENCED BY UPSTREAM RIVERBEND PUMP STATION.
11. INSTALL FLOW DIVERSION WITHIN EXISTING SIPHON CHAMBERS AS REQUIRED TO ISOLATE EACH SIPHON TO FACILITATE THE WORK. NO MORE THAN ONE SIPHON MAY BE TAKEN OUT OF SERVICE AT ANY GIVEN TIME. MAINTAIN SEWER FLOWS THROUGH ANY TWO OF THREE SIPHONS AT ANY GIVEN TIME.
12. CIPP LINING OR OTHER COMPLETE BLOCKAGE OF ANY ONE SIPHON SHALL PROCEED UNDER DRY WEATHER FLOW CONDITIONS ONLY.
13. CIPP LINER INSTALLATIONS SHALL BE COMPLETED CONCURRENTLY UPON MOBILIZATION TO SITE AND INSTALLATION OF TRAFFIC CONTROL ON PORTAGE AVE.
14. EACH LINER SHALL BE INSTALLED TO COMPLETION INCLUDING ALL REINSTATEMENTS AND ACCEPTANCE OF POST-LINING INSPECTION PRIOR TO STARTING ANY SUBSEQUENT WORK.
15. CIPP LINING OF 500MM SIPHON S-MA70100297 SHALL BE COMPLETED FIRST TO ALLOW MAXIMUM FLOW CAPACITY FOR SUBSEQUENT WORK.

GENERAL NOTES:

1. REFER TO APPENDIX C FOR MINIMUM TRAFFIC REQUIREMENTS TO BE MAINTAINED.

SEWER JUNCTION INFORMATION FROM SEWER VIDEO INSPECTION

SEWER ID S-MA20009009		
DISTANCE FROM S-MH20008313		
DISTANCE	DIAMETER	CLOCK
1.8	300	12:00

SEWER JUNCTION INFORMATION FROM SEWER VIDEO INSPECTION

SEWER ID S-MA70100297		
DISTANCE FROM S-MH20008313		
DISTANCE	DIAMETER	CLOCK
1.8	300	12:00

SEWER JUNCTION INFORMATION FROM SEWER VIDEO INSPECTION

SEWER ID S-MA70100290		
DISTANCE FROM S-MH20008313		
DISTANCE	DIAMETER	CLOCK
2.1	300	12:00

1:750 0 7.5 22.5 37.5m

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

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

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

FOR INDEX SEE 13877

TENDER NO. 1138-2025

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.	REVISIONS	DATE	BY
0	ISSUED FOR CONSTRUCTION	26.04.24	NK

Stantec
311 Portage Avenue, Winnipeg, Manitoba
Tel 204-489-5900 Fax 204-453-9012

DESIGNED BY	NK	CHECKED BY	RS
DRAWN BY	MR	APPROVED BY	NK
HOR. SCALE: VERTICAL:	1:750	RELEASED FOR CONSTRUCTION:	S. COURNOYER, P.ENG.
DATE	26.04.24	DATE	26.04.23

ENGINEER'S SEAL
PROVINCE OF MANITOBA
N. J. KEHLER
Member
30100
REGISTERED PROFESSIONAL ENGINEER
2026-04-27

CONSULTANT DRAWING NO.
C-134

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

2025 SEWER RENEWALS BY CIPP LINING
CONTRACT 5

PORTAGE AVENUE (S OF C/L TO S CURB)
MH W OF ROUTE 90 TO
MH E OF ROUTE 90

SHEET 36 OF 52

CAD FILE DRAWING NUMBER
20975c-133-C140.dwg

CITY DRAWING NUMBER
13911

BID OPPORTUNITY: 1138-2025
CONTRACT NUMBER: 5

FILE PATH: C:\Users\AMANNESS\DC\ACCDocs\Stantec Consulting\111220975_C5_CoW_2025_CIPP\Project Files\01_wip\04_civil\sheet_files
FILE NAME: 20975c-133-C140