

MAINTAIN ACCESS TO FIRE
STATION AT ALL TIMES

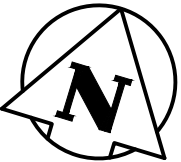
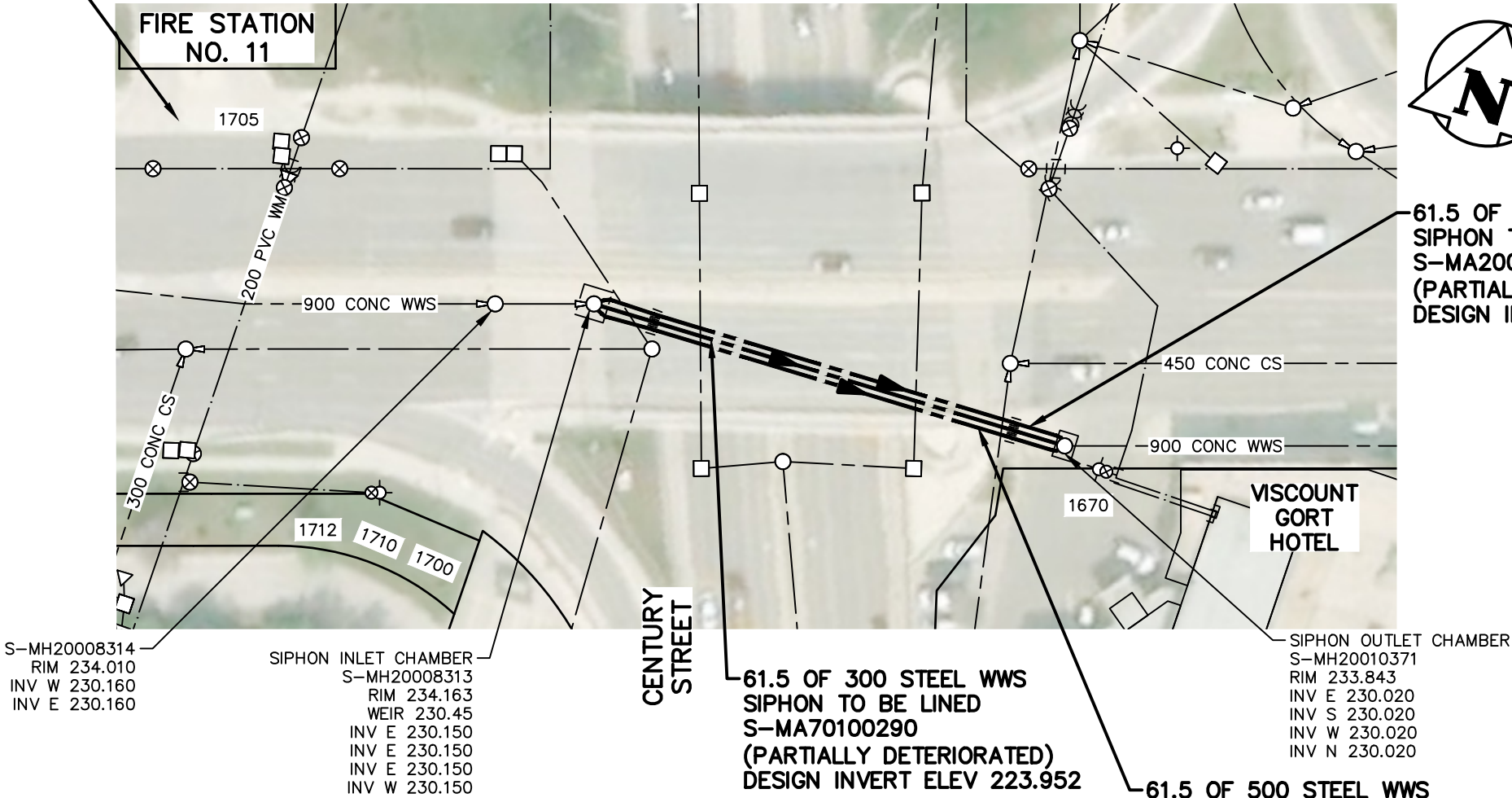
CONSTRUCTION NOTES:

- THREE-BARREL SEWER SIPHON CONFIGURATION CROSSING BELOW CENTURY STREET UNDERPASS AT PORTAGE AVENUE. REFER TO RECORD DRAWINGS APPENDIX E FOR DETAILS.
- INSTALL TEMPORARY CONSTRUCTION FENCING AT DOWNSTREAM SIPHON CHAMBER AS REQUIRED TO ISOLATE THE SITE.
- SITE LIMITS SHALL NOT ENCROACH ONTO PRIVATE PROPERTY. UNLESS APPROVED BY THE PROPERTY OWNER.
- SIPHON CLEANING AND DEWATERING IS REQUIRED TO FACILITATE THE WORK.
- CIPP LINERS SHALL BE INSTALLED BY WATER INVERSION AND HOT WATER CURE METHODS ONLY.
- CONTINUOUS LENGTH TEMPERATURE MONITORING SYSTEM SHALL BE UTILIZED FOR ALL LINER INSTALLATIONS.
- CIPP LINERS MAY BE INSTALLED IN EITHER USPTREAM OR DOWNSTREAM DIRECTION.
- THE PRIMARY FLOW PATH OF EACH SIPHON SHALL BE REHABILITATED INCLUDING THE SEGMENT FROM SIPHON INLET TO UPSTREAM WYE JUNCTION. LINING OF PIPE ACCESS WYES AT UPSTREAM SIPHON CHAMBER IS NOT REQUIRED. REINSTATE WYE CONNECTIONS AFTER LINING.
- INCOMING SEWER FLOWS MAY BE INFLUENCED BY UPSTREAM RIVERBEND AND FERRY ROAD PUMP STATIONS. REFER TO SPECIFICATION E8.4.
- INSTALL FLOW DIVERSION WITHIN EXISTING SIPHON CHAMBERS AS REQUIRED TO ISOLATE EACH SIPHON TO FACILITATE THE WORK. REFER TO RECORD DRAWINGS APPENDIX E. CONDITION OF EXISTING ALUMINUM STOP LOG GROOVES IS UNKNOWN. CONTRACTOR SHALL DEVELOP SIPHON ISOLATION PLANS BASED ON THE AVAILABLE RECORD INFORMATION AND/OR PRELIMINARY SITE INVESTIGATIONS IN ADVANCE OF 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.
- CIPP LINING OR OTHER COMPLETE BLOCKAGE OF ANY ONE SIPHON SHALL PROCEED UNDER DRY WEATHER FLOW CONDITIONS ONLY.
- CIPP LINER INSTALLATIONS SHALL BE COMPLETED CONCURRENTLY UPON MOBILIZATION TO SITE AND INSTALLATION OF TRAFFIC CONTROL ON PORTAGE AVE.
- EACH LINER SHALL BE INSTALLED TO COMPLETION INCLUDING ALL REINSTATEMENTS AND CCTV INSPECTION PRIOR TO STARTING ANY SUBSEQUENT WORK. THE CONTRACT ADMINISTRATOR WILL BE AVAILABLE ON SITE AT TIME OF INSPECTION, AND POST-LINING INSPECTIONS WILL BE REVIEWED FOR ACCEPTANCE WITHIN 24 HOURS OF SUBMISSION.
- CIPP LINING OF 500MM SIPHON S-MA70100297 SHALL BE COMPLETED FIRST TO ALLOW MAXIMUM FLOW CAPACITY FOR SUBSEQUENT WORK.

GENERAL NOTES:

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

PORTAGE AVENUE



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

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	

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

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

61.5 OF 500 STEEL WWS
SIPHON TO BE LINED
S-MA70100297
(PARTIALLY DETERIORATED)
DESIGN INVERT ELEV 223.952

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



METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES DATE
COMMITTEE

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
2	REVISED FOR ADDENDUM 5	26.06.05	NK
1	REVISED FOR ADDENDUM 4	26.05.28	NK
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:	1:750	RELEASED FOR CONSTRUCTION:	S. COURNOYER, P.ENG.
VERTICAL:		DATE	26.04.23
DATE	26.04.24		

ENGINEER'S SEAL

CONSULTANT DRAWING NO.

C-134



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	OF
36	52
CAD FILE DRAWING NUMBER	
20975c-133-C140.dwg	
CITY DRAWING NUMBER	
13911	