NOTE: CHAINAGES SHOWN ARE ALONG W. ℄ OF McPHILLIPS STREET

DETAIL 1

SCALE: 1:25

1.5m 1.0 0.5 0

SECTION A–A

SCALE: 1:25

1.5m 1.0 0.5 0

CONSTRUCTION NOTES

1. ALL MATERIALS TO CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
2. EXPOSE ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION TO CONFIRM DEPTH AND LOCATION. ANY CONFLICTS WITH PROPOSED MANHOLE AND EXISTING UNDERGROUND UTILITIES SHALL BE REPORTED TO THE CONTRACT ADMINISTRATOR PRIOR TO INSTALLATION.
3. REFER TO TRAFFIC MANAGEMENT DRAWINGS FOR STAGING AND TRAFFIC CONTROL REQUIREMENTS.
4. CONTRACTOR TO CONFIRM LOCATION OF TRUNK SEWER AND MANHOLE LOCATION PRIOR TO EXCAVATION.
5. INSTALL SHORING IN A CONTROLLED MANNER LIMITING THE POTENTIAL FOR DISTURBANCE OF ADJACENT SOILS. THE CONTRACTOR SHALL USE CAUTION AND SOFT DIG TECHNIQUES WHEN EXCAVATING WITHIN 0.3 m OF THE EXISTING TRUNK SEWER. CONTRACTOR SHALL TAKE CARE TO NOT DISTURB SOILS BELOW SPRINGLINE OF THE EXISTING 1650 CS.
6. CONCRETE COLLAR SHALL BE CONSTRUCTED PRIOR TO CUTTING OPEN THE EXISTING TRUNK SEWER. CUTTING OF THE EXISTING SEWER SHALL BE COMPLETED USING HAND TOOLS, HYDRAULIC SAWS OR SIMILAR METHODS. THE USE OF HYDRAULIC AND PNEUMATIC MACHINE MOUNTED BREAKERS IS STRICTLY PROHIBITED.
7. CONTRACTOR SHALL MAKE ALL EFFORTS TO KEEP CONSTRUCTION ACTIVITIES FROM IMPACTING SEWER FLOWS. ALL DEBRIS AND CONSTRUCTION MATERIALS SHALL BE REMOVED FROM THE SEWER AFTER COMPLETION OF CONSTRUCTION.
8. CONCRETE REINFORCEMENT CLEAR COVER:
   - 75 WHERE CAST AGAINST SOIL
   - 50 WHERE FORMED
9. STRUCTURAL CONCRETE SHALL MEET CW 2160 EXCEPT AS MODIFIED HEREIN:
   - 28 DAY COMPRESSIVE STRENGTH: 35 MPA

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
MORRISON HERSHFIELD
No. 1736

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES
UNLESS OTHERWISE NOTED

0.0 5.0 10.0 15.0 20.0 25.0

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	YY/MM/DD	BY
D	ISSUED FOR TENDER	22/03/15	ADB
C	ISSUED FOR CLIENT REVIEW	22/02/18	ADB
B	ISSUED FOR 90% DESIGN REVIEW	22/01/20	ADB
A	ISSUED FOR 30% DESIGN REVIEW	21/11/10	ADB

MORRISON HERSHFIELD

DESIGNED BY	ADB	CHECKED BY	JKH
DRAWN BY	DML	APPROVED BY	RPB
SCALE: HORIZONTAL	1:250	RELEASED FOR CONSTRUCTION	–
VERTICAL	1:50		
DATE	2022 03 16	DATE	YYYY MM DD

PLOT DATE: 2022 03 16

ENGINEER'S SEAL
PROVINCE OF MANITOBA
A. D. BRAUN
Member
24453
REGISTERED PROFESSIONAL ENGINEER
2022-03-16

CONSULTANT DRAWING NUMBER

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

2022 WATER MAIN RENEWAL AND NEW SIPHON MANHOLE
McPHILLIPS STREET TO ARLINGTON STREET
McPHILLIPS STREET
NEW SIPHON MANHOLE AT MOUNTAIN AVENUE

SHEET 28 OF 28

CITY DRAWING NUMBER
13031

BID OPPORTUNITY: 719–2021
CONTRACT NUMBER: N/A

FILE PATH: X:\Proj\2021\210258300–2021–2023 McGregor Mountain Renewal\09. CAD\07 Sheets\Mountain\
FILE NAME: 2102583–Mountain–MH–01.dwg