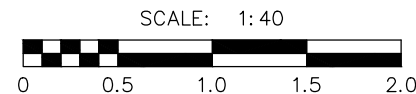


CAREFULLY REMOVE THE MH (IF REQUIRED) AND THE TOP OF THE EXISTING TRUNK SEWER FOR LINER INSERTION

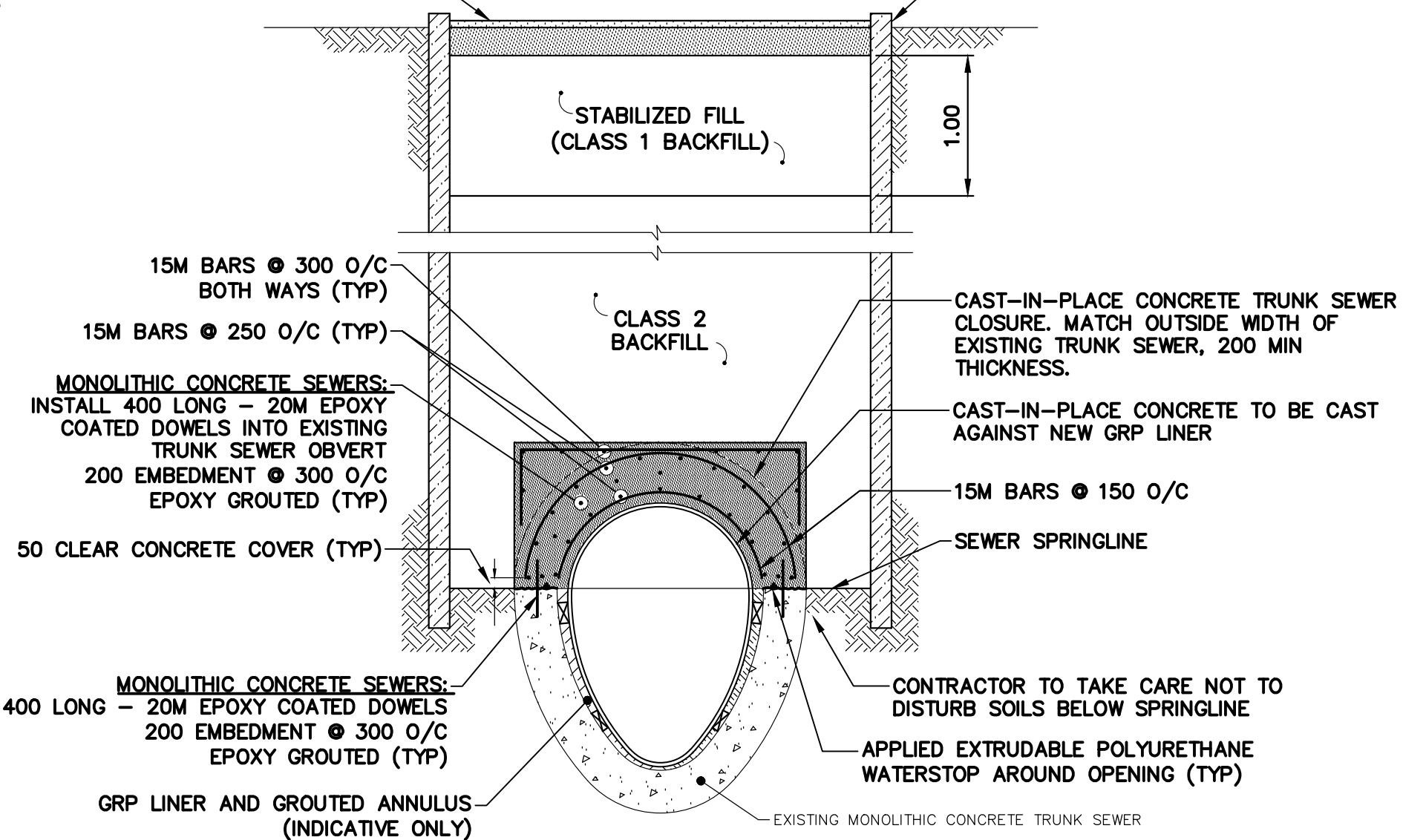
**DETAIL 3
PIPE ACCESS SHAFT (TYPICAL)**



NOTE:
ALL CONSTRUCTION JOINTS TO BE WATER PROOFED WITH THE USE OF A HYDROPHILIC WATER STOP OR APPROVED EQUAL.

RESTORE EXISTING PAVEMENT STRUCTURE

SHORING (INDICATIVE ONLY)



**DETAIL 4
SEWER OBVERT RECONSTRUCTION**



FOR INDEX SEE 13033

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

ENGINEERS
GEOSCIENTISTS
MANITOBA
Certificate of Authorization
MORRISON HERSHFIELD
No. 1736

ENGINEER'S SEAL

CONSULTANT DRAWING NUMBER

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

2022 TRENCHLESS REHABILITATION OF
NON-CIRCULAR COMBINED SEWERS - CONTRACT 2

MISCELLANEOUS DETAILS - 2

SHEET **8** OF **9**
CITY DRAWING NUMBER
13039

DESIGNED BY	ADB
CHECKED BY	JGF
DRAWN BY	DML
APPROVED BY	RPB
SCALE:	
HORIZONTAL	
VERTICAL	
RELEASED FOR CONSTRUCTION	STACY COURNOYER, P.Eng.
DATE	MAY 2, 2022

LOCATION APPROVED UNDERGROUND STRUCTURES	B.M. ELEV.			
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.	ISSUED FOR CONSTRUCTION	2022 05 02	ADB	
	REVISIONS	DATE	BY	