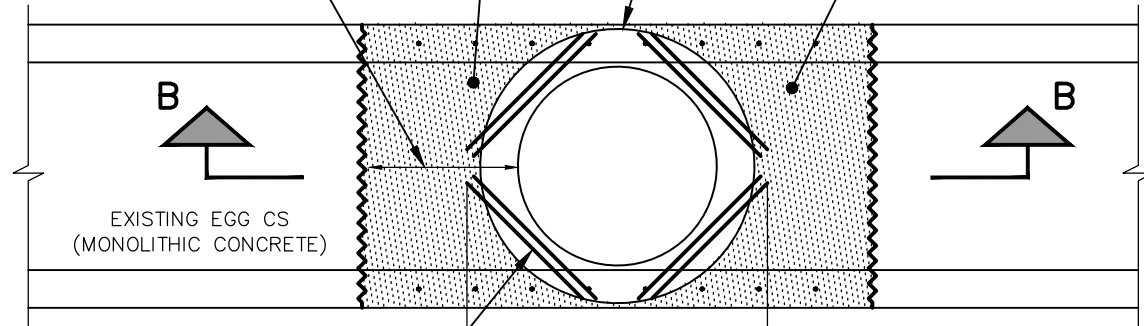


RECONSTRUCT SEWER OBVERT IN ACCORDANCE WITH DETAIL 4 ON DWG 13039 (TYP)

RECONSTRUCT SEWER MIN. 300 EITHER SIDE OF OPENING



2-20M DIAGONAL BARS ON ALL SIDES OF OPENING

VERTICAL SECTION: 15M BARS 150 O/C BOTH WAYS. 2 LAYERS AT EITHER SIDE OF MANHOLE OPENING

INSTALL 1200 MANHOLE AS PER SECTION B

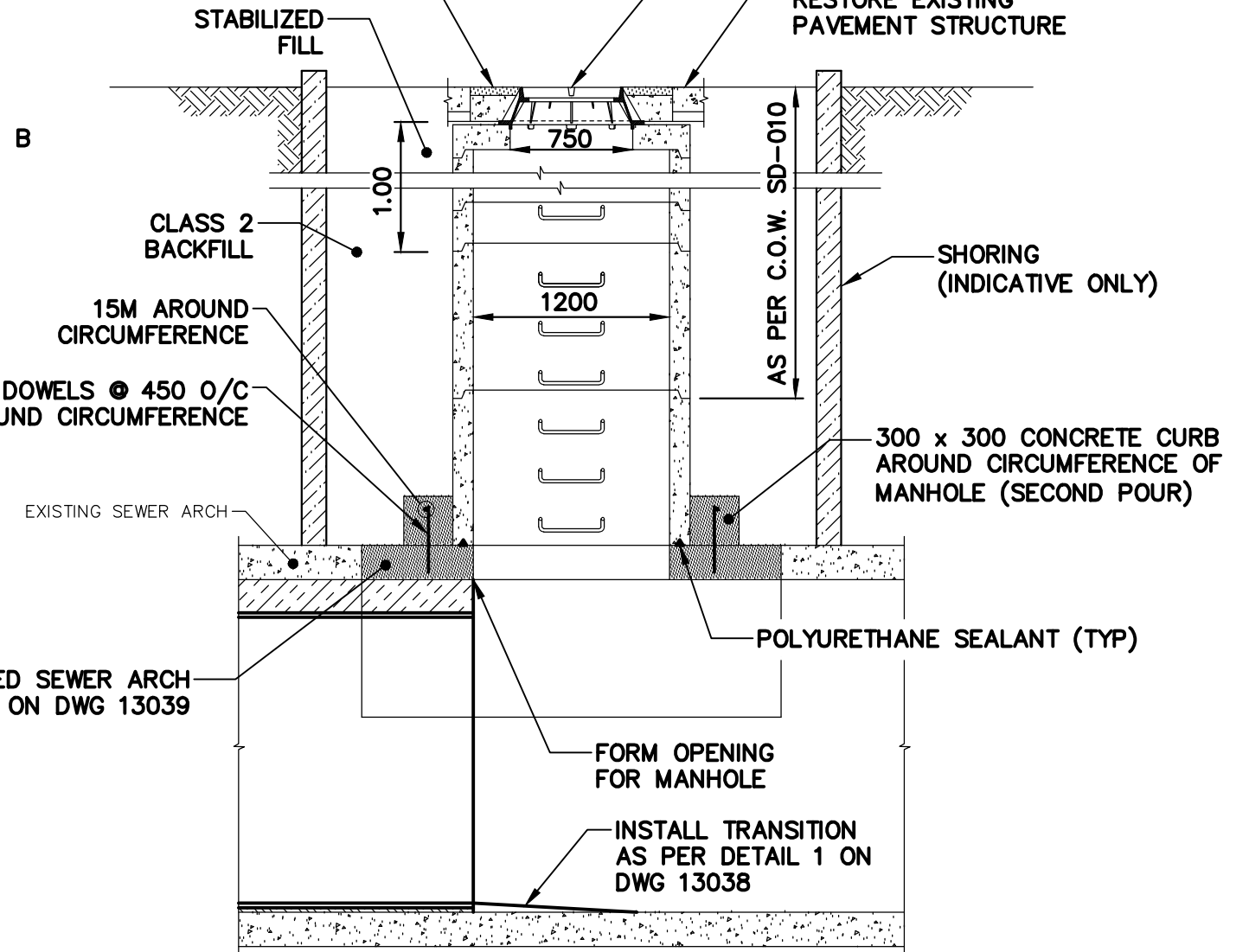
CONTRACTOR TO REMOVE SEWER TO SPRINGLINE TO FACILITATE WORK

DETAIL 5 MANHOLE RECONSTRUCTION DETAIL FOR MONOLITHIC CONCRETE SEWERS

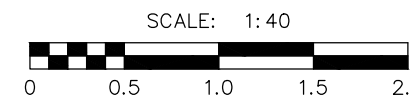


NOTE:
ALL CONSTRUCTION JOINTS TO BE WATER PROOFED WITH THE USE OF A HYDROPHILIC WATER STOP OR APPROVED EQUAL.

MANHOLE ISOLATION DETAIL IN ACCORDANCE WITH SD-220A & SD-220B



SECTION B-B



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
A.D. BRAUN
Member 24453
REGISTERED PROFESSIONAL ENGINEER
2022-05-02
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 - 3

SHEET **9** OF **9**
CITY DRAWING NUMBER

13040

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	DATE	BY
		2022 05 02	ADB
	REVISIONS	DATE	BY

MORRISON HERSHFIELD	
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

PLOT DATE: 2022/5/2 2:03:53 PM

TENDER No.: 190-2022
CONTRACT NUMBER: 2

FILE PATH: X:\Proj\2022\220063400-2022 Sewer Renewals Cnt 2\09. CAD\07 Sheets\
FILE NAME: 07 to 09 DETAILS.dwg