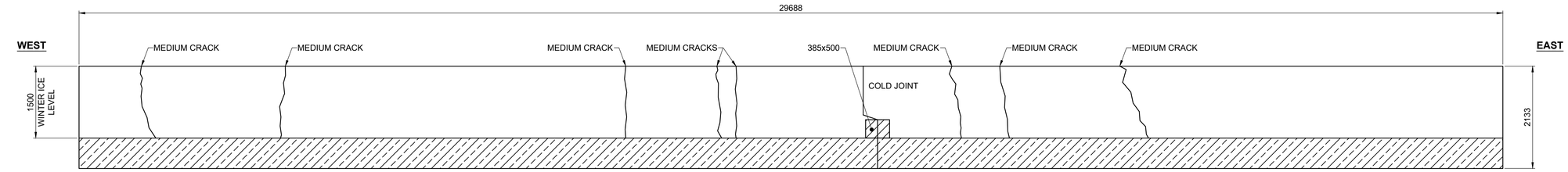
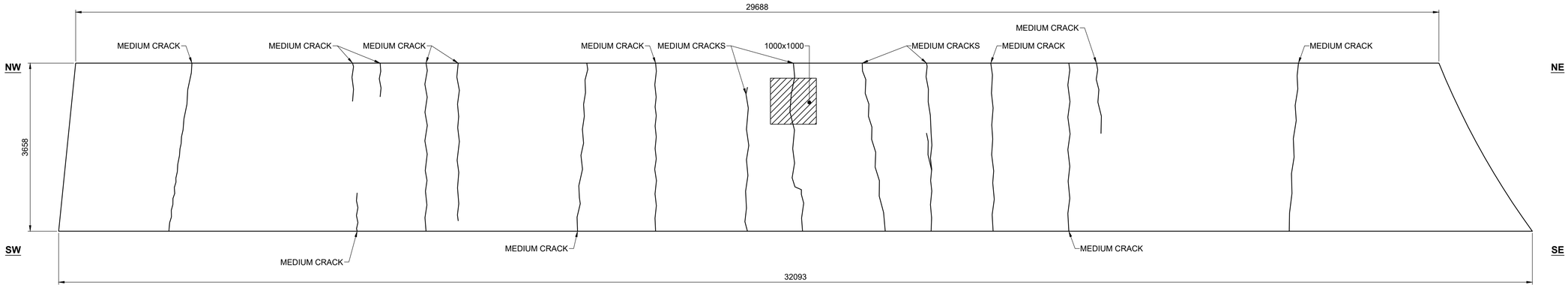


SOUTH BARREL NORTH WALL

AS SEEN FROM INSIDE CULVERT LOOKING NORTH

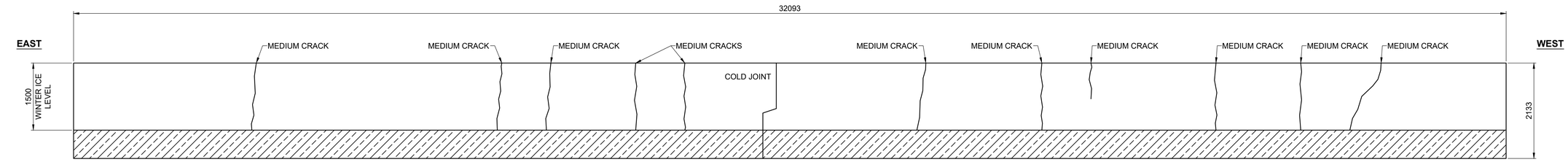
SCALE: 1:50



SOUTH BARREL ROOF SLAB

AS SEEN FROM ABOVE

SCALE: 1:50



SOUTH BARREL SOUTH WALL

AS SEEN FROM INSIDE CULVERT LOOKING SOUTH

SCALE: 1:50

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
MORRISON HERSHFIELD
No. 1736

TENDER No. 971-2022

LEGEND:

- DELAMINATION
- SPALL
- CRACK
- ICE / SNOW COVER

GENERAL NOTES:

1. DEFECTS MAPPED DECEMBER 2021.
2. CONTRACTOR TO UNDERTAKE DELAMINATION SURVEY WITH RESIDENT ENGINEER TO CONFIRM EXTENT OF DEFECTS.
3. REPAIRS TO BE COMPLETED TO DELAMINATED, SPALLED, AND CRACKED CONCRETE. REFER TO SHEET 13 FOR REPAIR DETAILS.
4. REFER TO SHEET 05 FOR COFFERDAM LOCATIONS PRIOR TO COMMENCING CULVERT REPAIRS.

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPR. 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.

BM 23-018 ELEV 235.300 m — S.E. Cor. Notre Dame Ave. & Sherwin Rd., Tblt. in W. Conc. foundation No. 2070 Notre Dame Ave., 0.8 m S. & 0.7 m below Conc. block of N.W. Cor. of bldg.

No.	REVISIONS	YY/MM/DD	BY
0	ISSUED FOR TENDER	22/12/16	AGG

MORRISON HERSHFIELD

DESIGNED BY	AGG	CHECKED BY	TH
DRAWN BY	ALP	APPROVED BY	BE
HOR SCALE	AS SHOWN	RELEASED FOR CONSTRUCTION	
VERT SCALE		BY: VAIBHAV BANTHIA, P.ENG.	
DATE	22/03/14	DATE	22/12/16

PROFESSIONAL'S SEAL
PROVINCE OF MANITOBA — A.D.G. GILARSKI — Member — 32144 — 2022-12-16 — REGISTERED PROFESSIONAL ENGINEER

CONSULTANT FILE NAME
220042500-Rte 90-Culvert02.dwg

Winnipeg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

REHABILITATION OF ROUTE 90 CULVERT OVER OMAND'S CREEK

CULVERT REPAIRS 2 OF 3

CITY DRAWING NUMBER: C315-21-21
SHEET 21 OF 27
DRAWING NUMBER: 21

ISO A1 - 594mm x 841mm
X:\Proj\2022\220042500-CstW Rte 90 Culvert Over Omands Cre\09_CAD\07 Sheets\220042500-Rte 90-Culvert02.dwg Last Saved: 5/2/2022 4:24 PM by ALazcanoPerez Plotted: 12/15/2022 6:08 PM by Alex Heppner