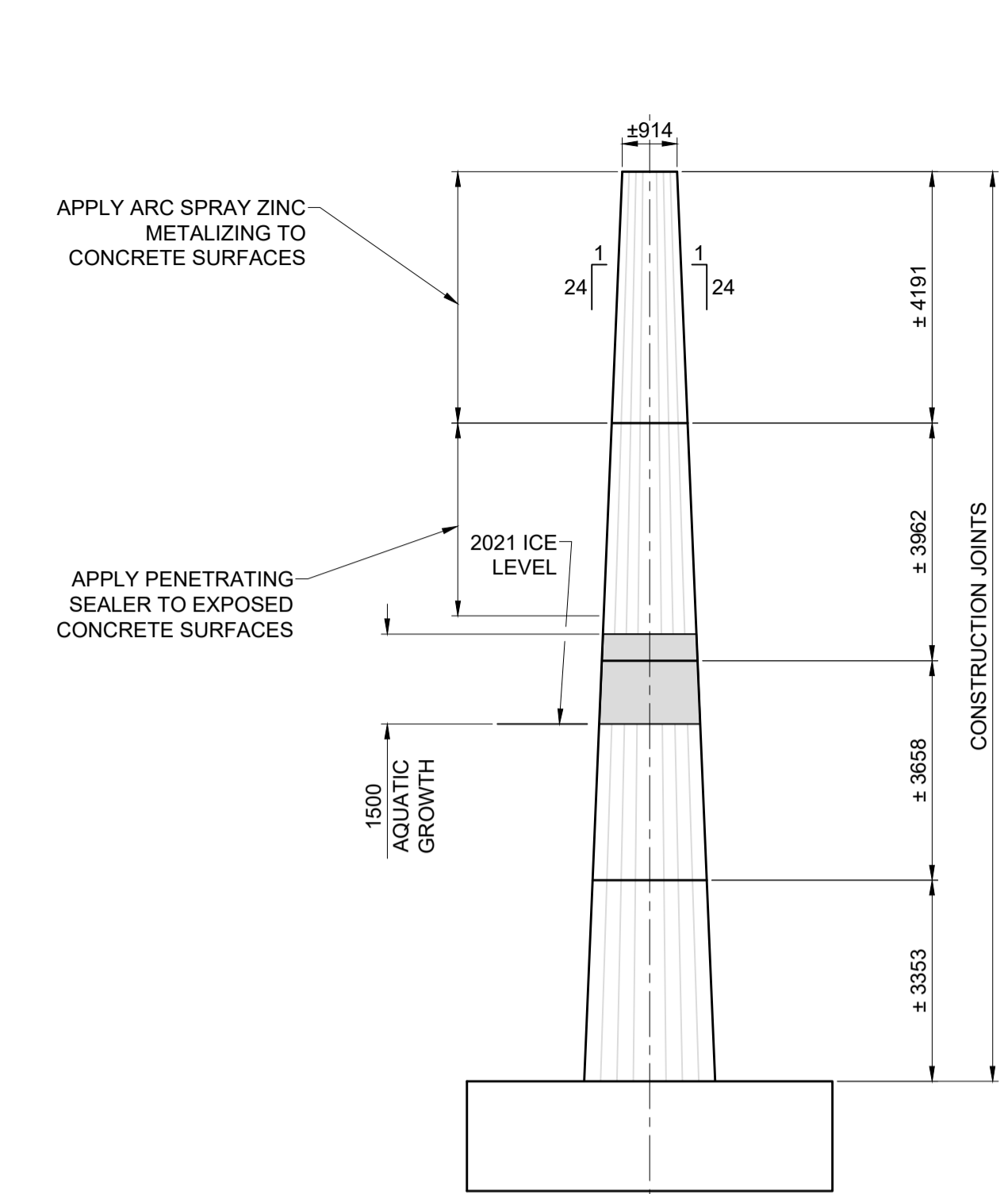


PIER 5 WEST END ⚠

SCALE: 1:100

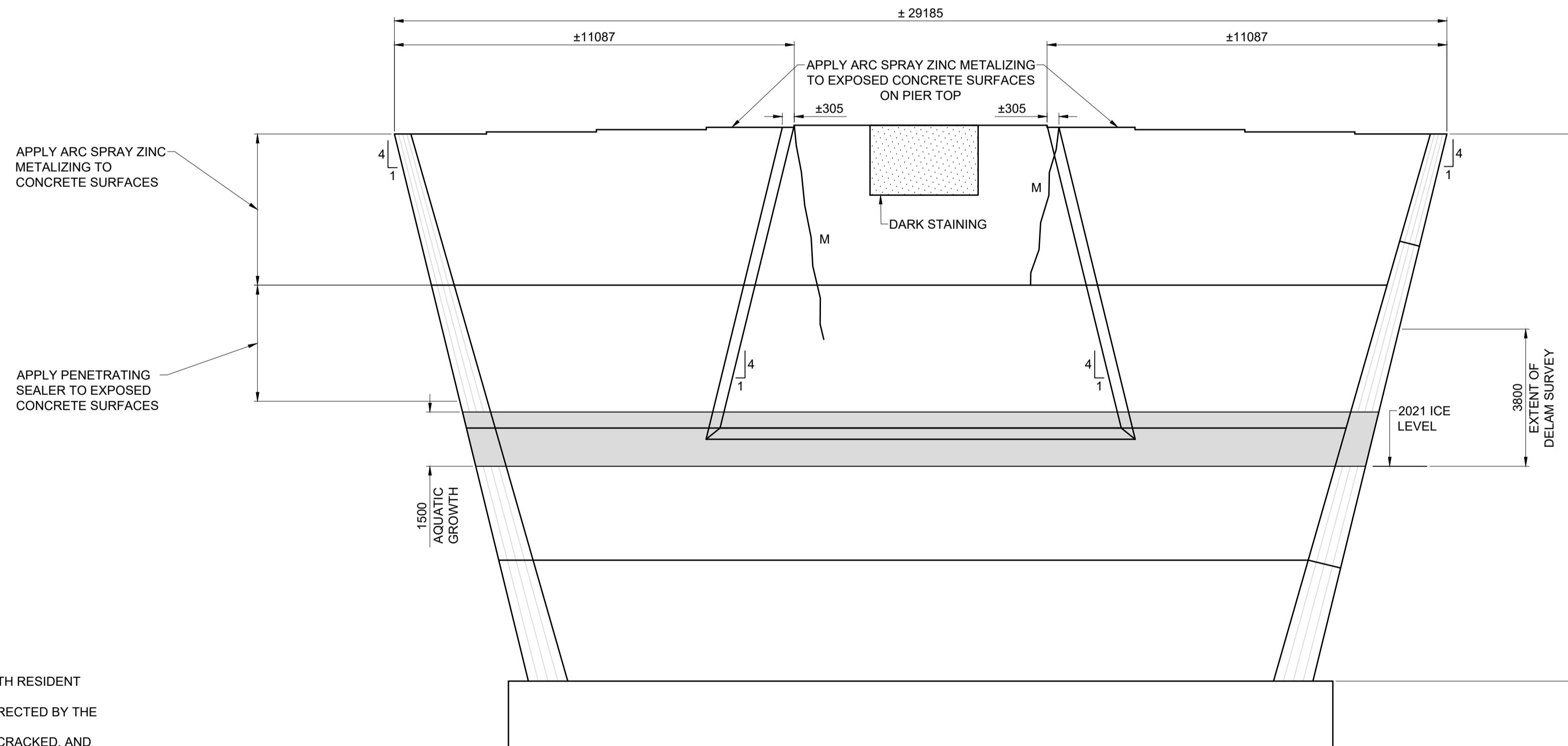
PIER 5 SOUTH FACE ⚠

SCALE: 1:100



PIER 5 EAST END ⚠

SCALE: 1:100



PIER 5 NORTH FACE ⚠

SCALE: 1:100

NOTES: ⚠

1. DEFECTS MAPPED JULY 2022.
2. CONTRACTOR TO UNDERTAKE DELAMINATION SURVEY WITH RESIDENT ENGINEER TO CONFIRM EXTENT OF DEFECTS.
3. MEDIUM AND WIDE CRACKS TO BE EPOXY INJECTED AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
4. REPAIRS TO BE COMPLETED TO DELAMINATED, SPALLED, CRACKED, AND SCALED CONCRETE PRIOR TO APPLYING ARC SPRAY ZINC METALIZING OR PENETRATING SEALER. REFER TO SHEET 139 FOR PATCH REPAIR DETAILS.
5. MEDIUM CRACKS RANGE IN WIDTH FROM 0.3 TO 1.0 mm ±
6. APPLY ARC SPRAY ZINC METALIZING OR PENETRATING SEALER TO EXPOSED CONCRETE SURFACES, AS INDICATED, AFTER COMPLETING CONCRETE REPAIRS.

LEGEND:

MEDIUM CRACK		SPALL	
WIDE CRACK		AQUATIC GROWTH	
DELAMINATION		DARK STAINING	
		MAP CRACKING	

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

LOCATION APPROVED
UNDERGROUND STRUCTURES

NO.	REVISIONS	DATE	BY
1	REVISED FOR ADDENDUM 3	23/01/13	BAP
0	ISSUED FOR TENDER	22/11/24	BAP

B.M. 54-006 ELEV. 228.166 m	Tbl. in S. face of E. Conc. pier in 1st row of Conc. piers N. of S. end of St. Vital Bridge over Red River, N. of Kingston Row, 5 m W. of E. end of Pier.
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MORRISON HERSHFIELD

DESIGNED BY	BAP	CHECKED BY	BE
DRAWN BY	KMB	APPROVED BY	BE
HOR SCALE	1:100	RELEASED FOR CONSTRUCTION	
VERT SCALE			
DATE	NOV 24, 2022	DATE	

PROFESSIONAL'S SEAL

PROVINCE OF MANITOBA
B.A.F. PHILLIPS
Member
32723
2023-01-13
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT FILE NAME
2103510-SVB DD-BR-PIER05.dwg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

ST. VITAL TWIN BRIDGE OVER THE RED RIVER
REHABILITATION AND RELATED WORKS

BRIDGE REHABILITATION
PIER 5 DEFECT MAP AND SURFACE REPAIRS

CITY FILE NUMBER
B116-24-43

SHEET 129 OF 244

DRAWING NUMBER
129

TENDER No. 615-2022