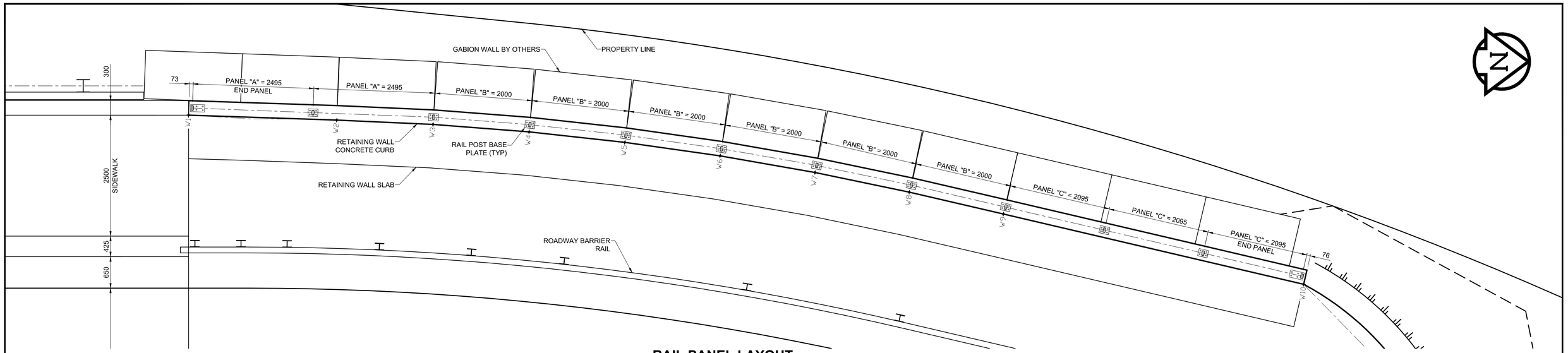
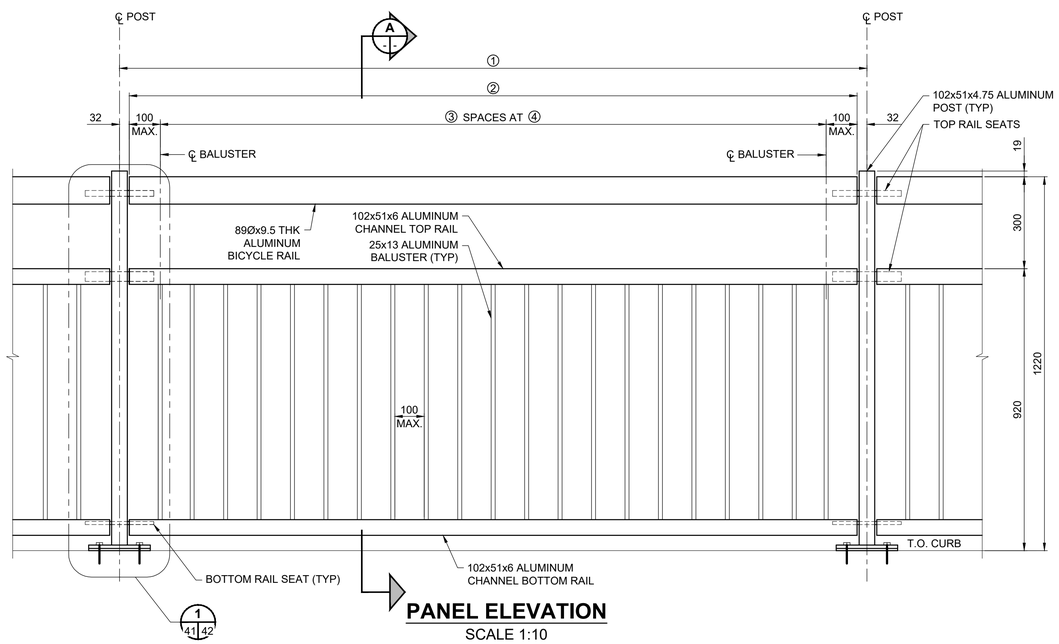


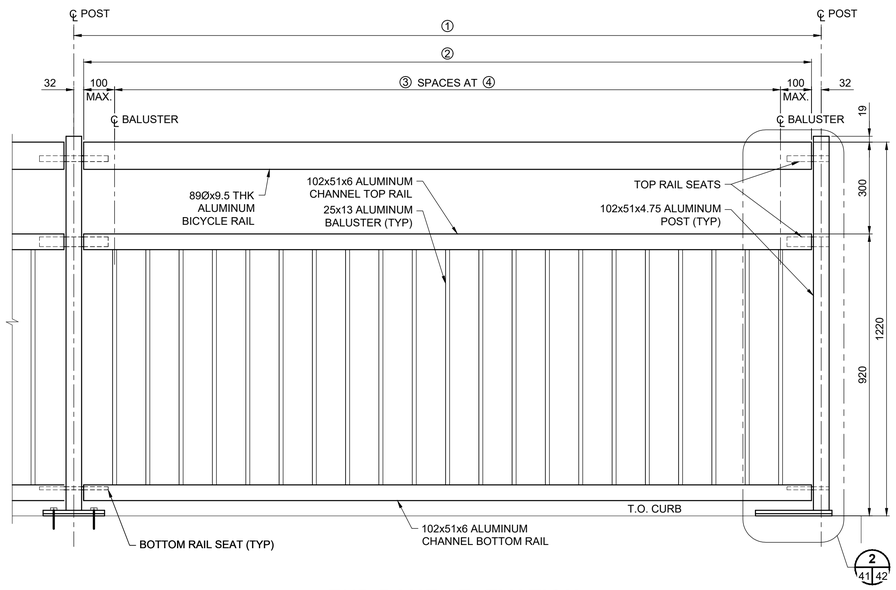
RAIL PANEL LAYOUT

PLAN VIEW
SCALE 1:40



PANEL ELEVATION

SCALE 1:10



END PANEL ELEVATION

SCALE 1:10

RAIL PANEL DIMENSIONS					
PANEL TYPE	NO. REQUIRED	1	2	3	4
A	2	2495	2431	23	97
B	6	2000	1936	18	97
C	4	2095	2031	19	97

NOTES:
1. ALUMINUM EXTRUSIONS SHALL CONFORM TO ASTM B221 ALLOY 6351.T6.
2. THE M.I.G. PROCESS OF WELDING SHALL BE USED.
3. RAIL POSTS AND BALUSTERS SHALL BE SET PLUMB.
4. EXCEPT WHERE INDICATED, HANDRAIL TOP AND BOTTOM RAILS SHALL BE AT A CONSTANT OFFSET FROM THE TOP OF THE CURB TAKING IN TO ACCOUNT ALL GRADE BREAKS ALONG THE LONGITUDINAL PROFILE.
5. PLACE NEOPRENE PAD UNDER EACH POST BETWEEN BASE PLATE OR SHIM AND CONCRETE SURFACE. ALUMINUM SHIMS MAY BE REQUIRED FOR VERTICAL ALIGNMENT.
6. HANDRAIL ANCHOR INSERTS SHALL BE ACROW-RICHMOND TYPE DGRS-1.

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
MORRISON HERSHFIELD
No. 1736

TENDER No. 335-2023

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 78-009
ELEV 232.749 m
N.W. Cor. Paddington Rd. & Dakota St., 19 mm dia. x 6.1 m I.B. in Valve Box, 5.5 m S. of N.L. Paddington Rd. & on W.L. of Dakota St., in traffic island.

No.	REVISIONS	YY/MM/DD	BY
B	ISSUED FOR TENDER	23/08/02	BAP
A	ISSUED FOR 95% REVIEW	23/06/27	BAP

MORRISON HERSHFIELD

DESIGNED BY	ALP	CHECKED BY	AGG
DRAWN BY	AH / AS	APPROVED BY	BAP
HOR SCALE	1:50	RELEASED FOR CONSTRUCTION	
VERT SCALE	1:50		
DATE	JUNE 27, 2023	DATE	

PROFESSIONAL'S SEAL
PROVINCE OF MANITOBA
A.D.G. GILARSKI
Member
32144
2023-06-02
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT FILE NAME
2203665-CBR DD-RAIL01.dwg

Winnipeg
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

CREEK BEND ROAD BRIDGE REPLACEMENT AND RELATED WORKS

NW RETAINING WALL
BICYCLE RAILING DETAILS 1 OF 2

CITY DRAWING NUMBER B149-23-41
SHEET 41 OF 52
DRAWING NUMBER 41

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

ISO A1 - 594mm x 841mm

X:\Proj\2022\2203665\0-CdW 293-2022 Creek Bend Road Bri\09. CAD\07 Sheets\Structural\Detailed Design\2203665-CBR DD-RAIL01.dwg Last Saved: 8/2/2023 2:47 PM by AHeppner Plotted: 8/2/2023 3:35 PM by Alex Heppner