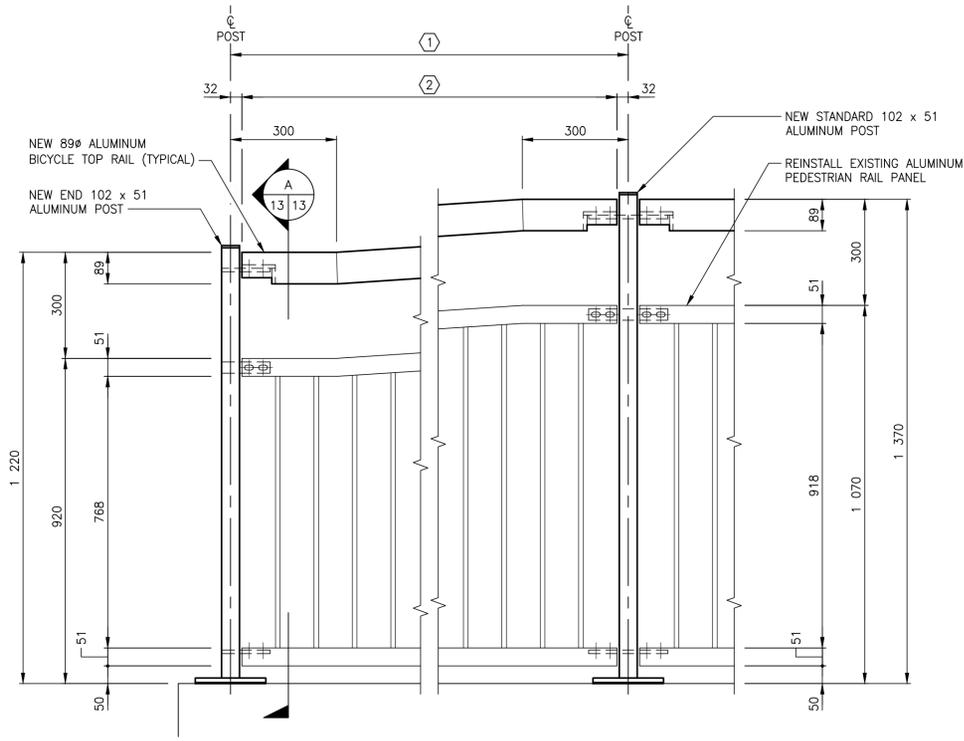
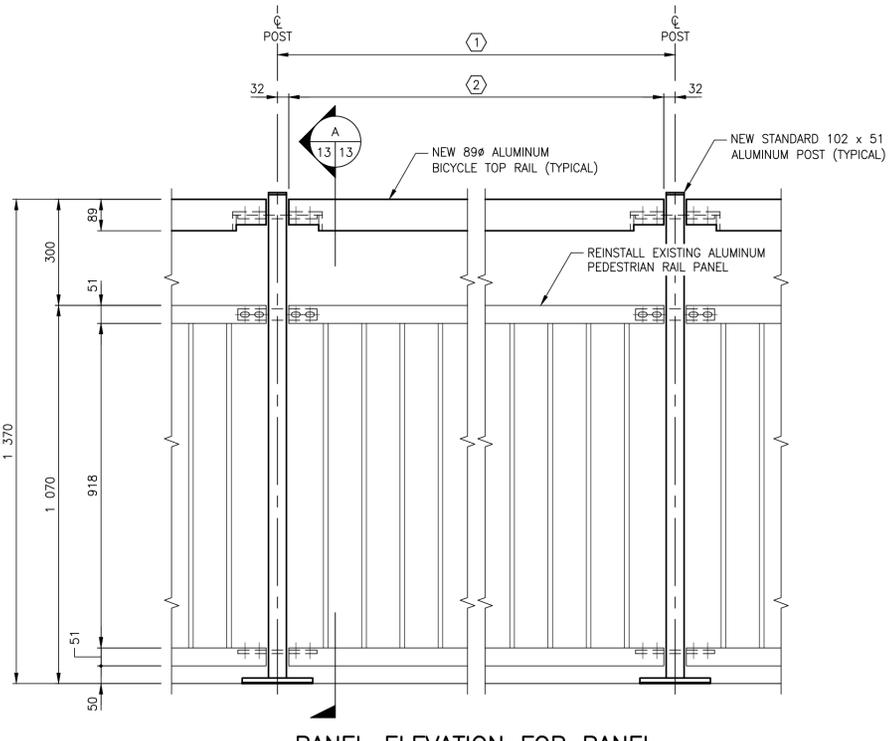


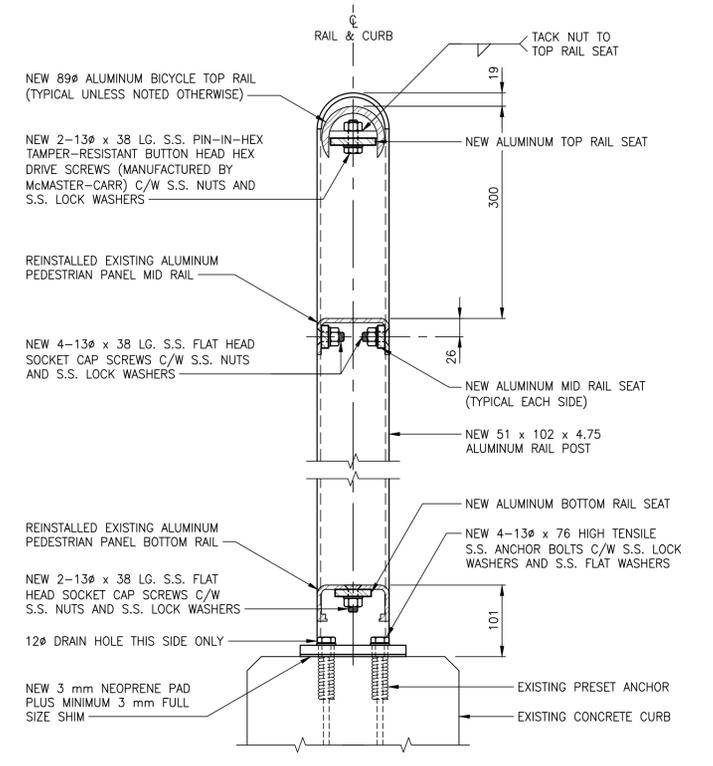
A1 SIZE (594 mm x 841 mm) | Layout: 13 Handrail Modification Details (Sheet 2 of 3) | File: P:\2017\17m-02091-00 - Professional consulting services for child peguis greenway extension from main street to henderson highway\WSP_DWG_Structural\17m-02091-00_CPT_Greenway_DD_12-14_handrail_details.dwg | Last saved by: patricia.m. | Printed: February 22, 2018 at 12:58:27 PM



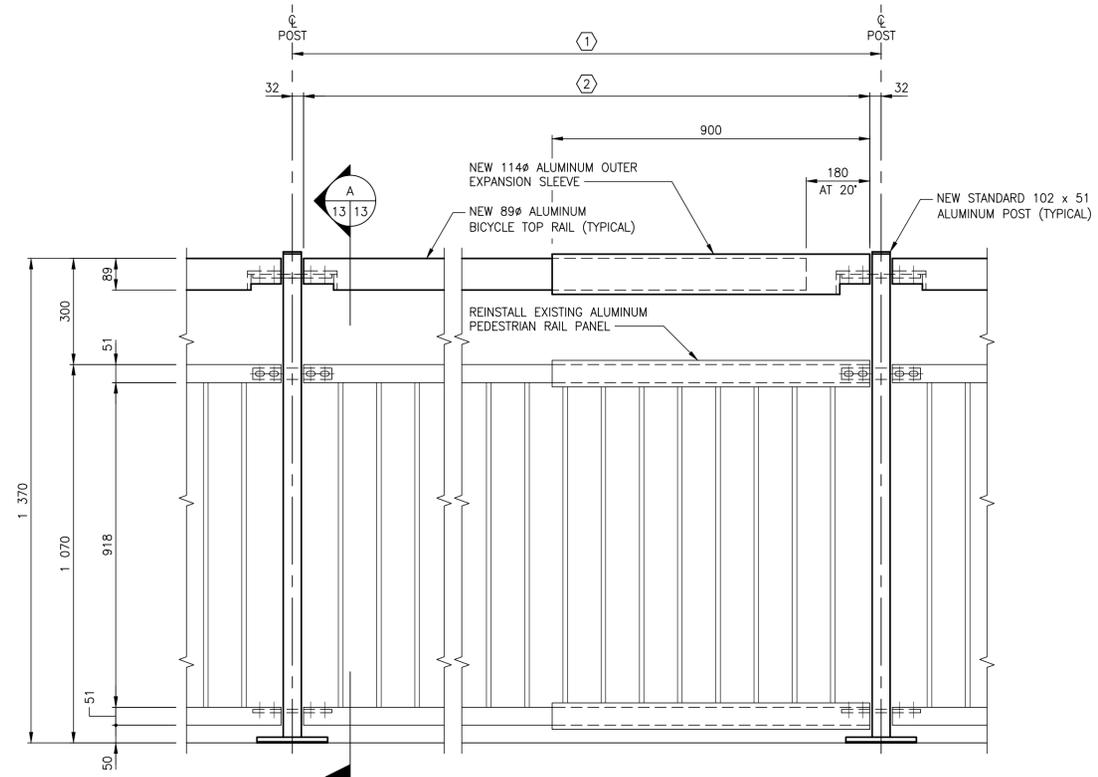
PANEL ELEVATION FOR PANEL TYPE 'B'
SCALE 1:10



PANEL ELEVATION FOR PANEL TYPES 'A', 'D', 'E', 'F', 'G', 'H' & 'K'
SCALE 1:10



TYPICAL SECTION AT NEW RAIL POST
SCALE 1:5



PANEL ELEVATION FOR PANEL TYPE 'C'
SCALE 1:10

NOTE

- ALL GEOMETRY AND DIMENSIONS TO ALL EXISTING ELEMENTS HAVE BEEN REPRODUCED FROM THE ORIGINAL 1990 RECORD DRAWINGS AND HAVE NOT BEEN VERIFIED BY WSP CANADA GROUP LIMITED.
- CONTRACTOR MUST VERIFY ALL EXISTING GEOMETRY AS WELL AS PROPOSED DIMENSIONS AND LAYOUT IN THE FIELD PRIOR TO FABRICATION AND CONSTRUCTION. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE CONTRACT ADMINISTRATOR PRIOR TO CONSTRUCTION.
- REMOVE AND SALVAGE ALL EXISTING ALUMINUM RAIL POSTS AND HARDWARE IN ACCORDANCE WITH THE SPECIFICATIONS. ALL EXISTING ALUMINUM RAIL PANELS SHALL BE REINSTALLED.
- THE 16 mm DIAMETER HOLES (4) IN THE BASE OF THE NEW PEDESTRIAN HANDRAIL POSTS ARE DESIGNED TO ACCOMMODATE 13 mm DIAMETER ANCHOR BOLTS AS DETAILED. SUPPLY WITH EACH ANCHOR BOLT WITH ONE STAINLESS STEEL PLAIN WASHER AND ONE STAINLESS STEEL LOCK WASHER.
- NEW PEDESTRIAN HANDRAIL POSTS AND REINSTALLED PEDESTRIAN HANDRAIL PANELS SHALL BE SET VERTICAL.
- PLACE ONE NEOPRENE PAD UNDER EACH NEW POST BETWEEN NEW ALUMINUM SHIM AND CONCRETE SURFACE.
- A COMBINATION OF 3.0 AND/OR 5.0 mm THICK NEW ALUMINUM RAIL POST SHIMS ARE TO BE USED AS REQUIRED TO SET THE BARRIER RAIL TO THE SPECIFIED HEIGHT (MINIMUM 3.0 mm SHIM REQUIRED AT EACH NEW POST).
- ALL EDGES AND CORNERS OF THE PEDESTRIAN HANDRAIL POSTS AND TOP BICYCLE RAIL SHALL BE ROUNDED IN THE SHOP, TO A SMOOTH 3 mm RADIUS TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR.
- ANY SHARPE EDGES AND/OR CORNERS OF THE EXISTING PEDESTRIAN HANDRAIL COMPONENTS TO BE REINSTALLED SHALL BE ROUNDED IN THE FIELD, TO A SMOOTH 3 mm RADIUS TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR.

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



LOCATIONS APPROVED UNDERGROUND STRUCTURES	
SIGNED BY:	DATE
SUPV U/G STRUCTURES	
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.	

G.B.M.	-
ELEV.	-
DESIGNED BY	BB
CHECKED BY	WC
DRAWN BY	CP
APPROVED BY	JL
HOR. SCALE	AS NOTED
VERTICAL	AS NOTED
0 ISSUED FOR TENDER	18.02.23 JL
No. REVISIONS	DATE BY
	18.02.23

wsp

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17M-02091-00-S-13

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

Winnipeg

CHIEF PEGUIS TRAIL - GREENWAY EXTENSION

KILDONAN SETTLERS BRIDGE MODIFICATIONS

HANDRAIL MODIFICATION DETAILS (SHEET 2 OF 3)

CITY DRAWING NUMBER
B216-18-13

SHEET
13 OF 26

BID OPPORTUNITY NUMBER
4-2018

NOTE: These design documents are prepared solely for the use by the party with whom the design professional has entered into a contract and there are no representations of any kind made by the design professional to any party with whom the design professional has not entered into a contract.