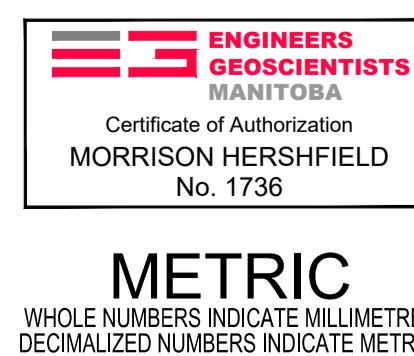


ALUMINUM BICYCLE RAIL QUANTITIES	
ITEM	NO.
NORTH END PANEL	1
SOUTH END PANEL	1
INTERMEDIATE PANEL	23
EXPANSION PANNEL	2
TOTAL NUMBER OF PANELS = 27	

- NOTES:**
- ALUMINUM EXTRUSIONS SHALL CONFORM TO ASTM B221 ALLOY 6351-T6. ALUMINUM PLATES SHALL CONFORM TO ASTM B221 ALLOY 5083.
 - THE M.I.G. PROCESS OF WELDING SHALL BE USED.
 - RAIL POSTS AND BALUSTERS SHALL BE SET PLUMB.
 - PLACE NEOPRENE PAD UNDER EACH POST BETWEEN BASE PLATE OR SHIM AND CONCRETE SURFACE. ALUMINUM SHIMS MAY BE REQUIRED FOR VERTICAL ALIGNMENT.
 - HANDRAIL ANCHOR INSERTS SHALL BE ACROW-RICHMOND TYPE DGRS-1.



METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

LOCATION APPROVED
UNDERGROUND STRUCTURES

DATE: _____

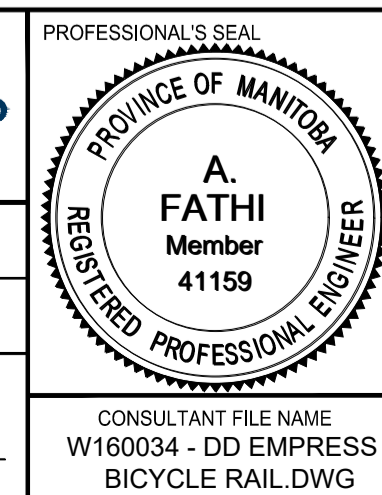
NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

NO.	REVISIONS	DATE	BY
C	ISSUED FOR ADDENDUM 2	18/10/16	BAP
B	ISSUED FOR TENDER	18/09/04	BAP
A	ISSUED FOR 95% DESIGN REVIEW	18/08/07	BAP

DESIGNED BY	CHECKED BY	DRAWN BY	APPROVED BY
AF	YM	AH	BE

HOR SCALE: AS SHOWN
VERT SCALE: AS SHOWN

RELEASED FOR CONSTRUCTION: _____
DATE: _____



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

EMPRESS STREET PROJECT
OVERPASS REHABILITATION WORKS
SUPERSTRUCTURE
BICYCLE RAIL DETAILS 2

CITY DRAWING NUMBER: P-3494-114
SHEET 114 OF 169
DRAWING NO. REV 114 C

BID OPPORTUNITY No. 602-2018