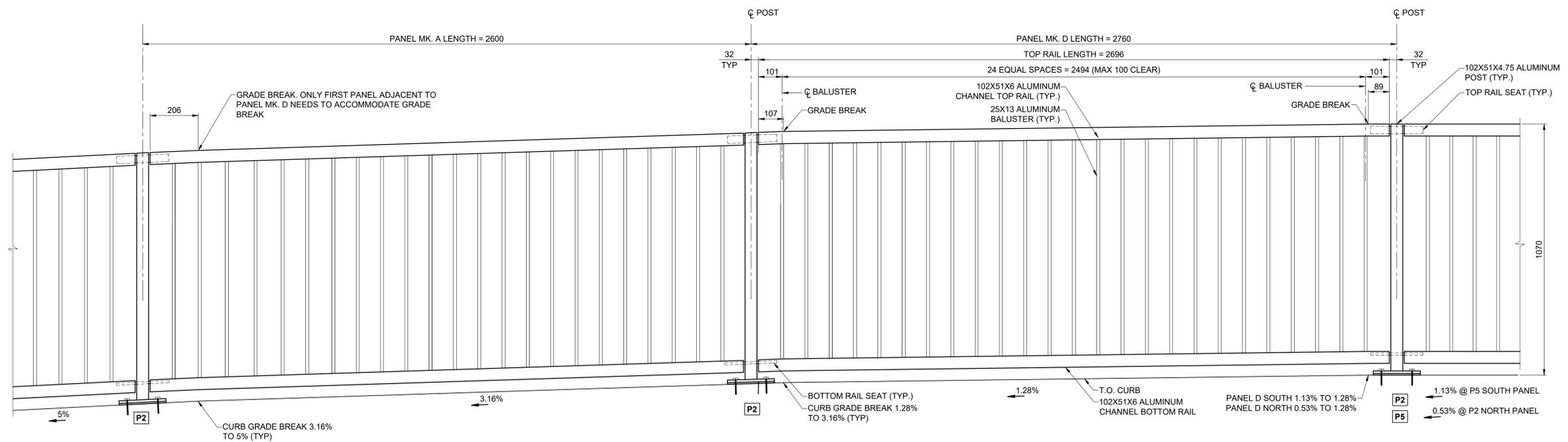


INTERMEDIATE PANEL Mk. H1 ELEVATION
SCALE: 1:10



INTERMEDIATE PANEL Mk. D AND A ELEVATION
SCALE: 1:10

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 CURB TAKING INTO ACCOUNT ALL GRADE BREAKS ALONG THE RAMP LENGTH. SEE DRAWING 120 FOR GRADING PLAN.
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.



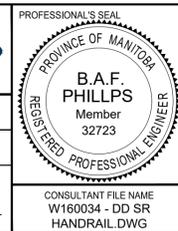
METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

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 1	18/10/05	BAP
B	ISSUED FOR TENDER	18/09/04	BAP
A	ISSUED FOR 95% DESIGN REVIEW	18/08/07	BAP

MORRISON HERSHFIELD	
DESIGNED BY: YM	CHECKED BY: BAP
DRAWN BY: ALP	APPROVED BY: BE
HOR SCALE: AS SHOWN	RELEASED FOR CONSTRUCTION
VERT SCALE: AS SHOWN	N/A



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

EMPRESS STREET PROJECT
PEDESTRIAN ACCESSIBILITY RAMPS
SOUTH RAMP
PEDESTRIAN HANDRAIL DETAILS 2

CITY DRAWING NUMBER: P-3494-130
SHEET 130 OF 169
DRAWING No. REV 130 C