

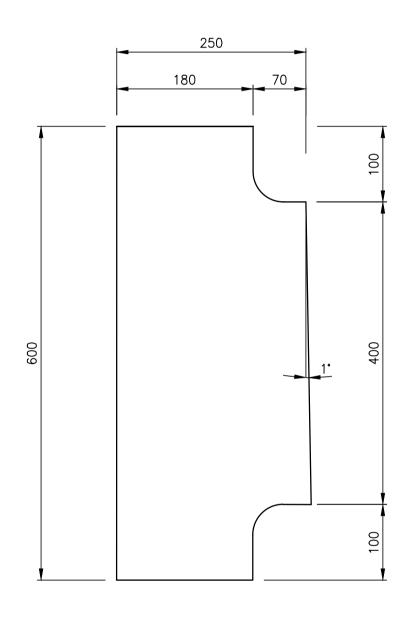
	LOCATIONS APPROVED UNDERGROUND STRUCTURES	G.B.M. = - ELEV. = -					WSP Canada Group Limited 93 Lombard Avenue, Suite 111 Winnipeg MB R3B 3B1 T+ 1 204-943-3178		ENGINEER'S	
	SIGNED BY: SUPV U/G STRUCTURES DATE								F+ 1 204-943-4948 www.wsp.com	
s	LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED 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 EXISTANCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING					DESIGNED BY	KJS	CHECKED BY	BB	
						DRAWN BY KB	APPROVED BY	JL		
ted							AS NOTED	RELEASED FOR CONSTRUCTION		CONSULTAN
		0 No.	ISSUED FOR TENDER REVISIONS	18.02.23 DATE	JL BY	VERTICAL	AS NOTED 18.02.23	DATE		17M-0

<u>GENERAL NOTES</u>

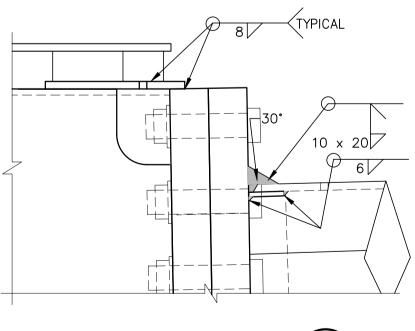
- 1. 1 SIGN PANEL, MAXIMUM SIZE 4 200 x 2 135 mm AS SHOWN ON SHEET 1. SUPPLIED BY THE CITY OF WINNIPEG TRAFFIC SERVICES BRANCH (CONTRACTOR SHALL SUPPLY AND DELIVER ALUMINUM MOUNTING BRACKETS TO THE CITY OF WINNIPEG TRAFFIC SERVICES SIGN SHOP A MINIMUM OF 3 WEEKS IN ADVANCE OF INTENDED PICK-UP DATE).
- 2. INSTALL HOLES IN GUSSET PLATE FOR DRAINAGE DURING GALVANIZING AS DETAILED, AND AS OTHERWISE REQUIRED.
- 3. LONGITUDINAL SEAM WELD SHALL HAVE 60% PENETRATION EXCEPT WITHIN 200 mm OF BASE PLATES AND FLANGE PLATES WHERE IT SHALL BE 100% PENETRATION.
- 4. PROVIDE RAISED IDENTIFICATION NUMBER FOR THE SIGN STRUCTURE AS DETAILED.
- 5. GRIND ALL SHARP POINTS AND EDGES PRIOR TO GALVANIZING.

<u>DESIGN DATA</u>

- 1. AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS HIGHWAY SIGNS LUMINARIES AND TRAFFIC SIGNALS, 1st EDITION, 2015 WITH 2017 INTERIM REVISIONS.
 - DESIGN WIND LOADS = 1.5 kPa ON STEEL STRUCTURE, 2.0 kPa ON SIGN PANEL. DESIGN ICE LOAD = 0.3 kPa
 - DESIGN TO FATIGUE CATEGORY I FOR ALL LOAD CASES.
- 2. ALL PLATE MATERIALS SHALL BE CSA G40.21 300W STRUCTURAL STEEL UNLESS OTHERWISE NOTED.
- 3. ALL MATERIALS EXCEPT STAINLESS STEEL AND ALUMINUM SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A123 TO A MINIMUM NET RETENTION OF 610 g/m².
- 4. ALL AREAS OF DAMAGED GALVANIZING SHALL BE REPAIRED WITH SELF FLUXING LOW TEMPERATURE ZINC BASED ALLOY SPRAY ON COATING CALLED "ZINGA" OR APPROVED EQUIVALENT.







ARM WELD DETAIL SCALE 1:5 3

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES DECIMALIZED NUMBERS INDICATE METRES

