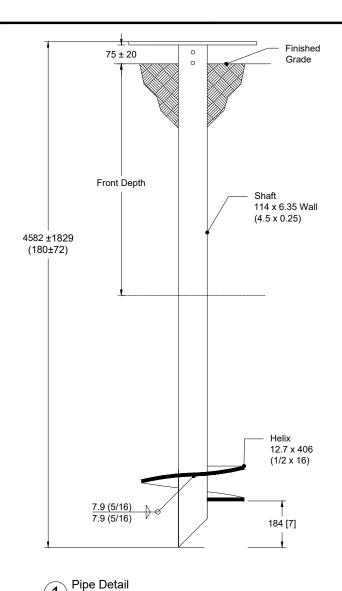
Meewasin Valley Authority Standard Amenity Specifications

Meewasin Valley Authority February 22, 2023



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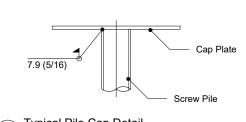
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•	2870.M20 Bike Ramp on Timber Stairs
2870.M21 Typical Sign Trail Interface	2870.M21 Typical Sign Trail Interface



PILE DESIGN SPECIFICATIONS

Pile design loads (service or working loads):

- As Per CCMC Report 13691-R
- 1. Design Criteria
- Soil assumed to be generally as follows:
 Soil Layer
- Soil Layer
- Stiff clay or dense sand
- Pile installer to use calibrated equipment and create pile installation report (including torque and depth readings).
- Maximum intall torque 27.1 kN-m (20.0 ft-kip)
- Minimum install torque 5.4 kN-m (4.0 ft-kip)
- Minimum embedment 2.1m (7.0 ft)
- If minimum torque is not achieved extensions should be added to achieve greater embedment and/or greater torque.
- Minimum pile per embedment helix must be situated below maximum frost penetration depth.
- 6. Tolerances
- pile top to be located within 40mm (1.5 in) of centre of applied load.
- pile to be installed within 1.5 degrees of vertical
- 7. Structural steel members shall conform to:
 CAN/CSA S16-14 Design of steel structures.
 Pipe Shaft minimum ASTM A252 Grade 3 Steel Pipe, seamless or straight
 welded. Helix Plate ASTM A36 or CSA G40.21 W44 hot rolled structural steel plate.
- Welding to conform to: CSA W59 and CSA W47.1 Weld tensiel strength = 490 MPa (71.1 ksi)
 All welds to be ⁵/₁₆" (7.9) fillet welds unless noted otherwise.
- Fabrication shall be carried out in accordance with standard practices and all applicable codes.
- Above design and components shall conform to the latest editions of the building code,
 N.B.C. and applicable building codes.
- this design and information is special to Almita's product and is non-transferable to other manufactureres.
- 12. Maximum allowable load is 265.0 kN (59.6 kips)



2 Typical Pile Cap Detail

914 ± 50.8
[36 ± 2]

432
[17]

51 Typ. [2]

52 Typ. [2]

12.7 (1/2) Thick
Cap Plate

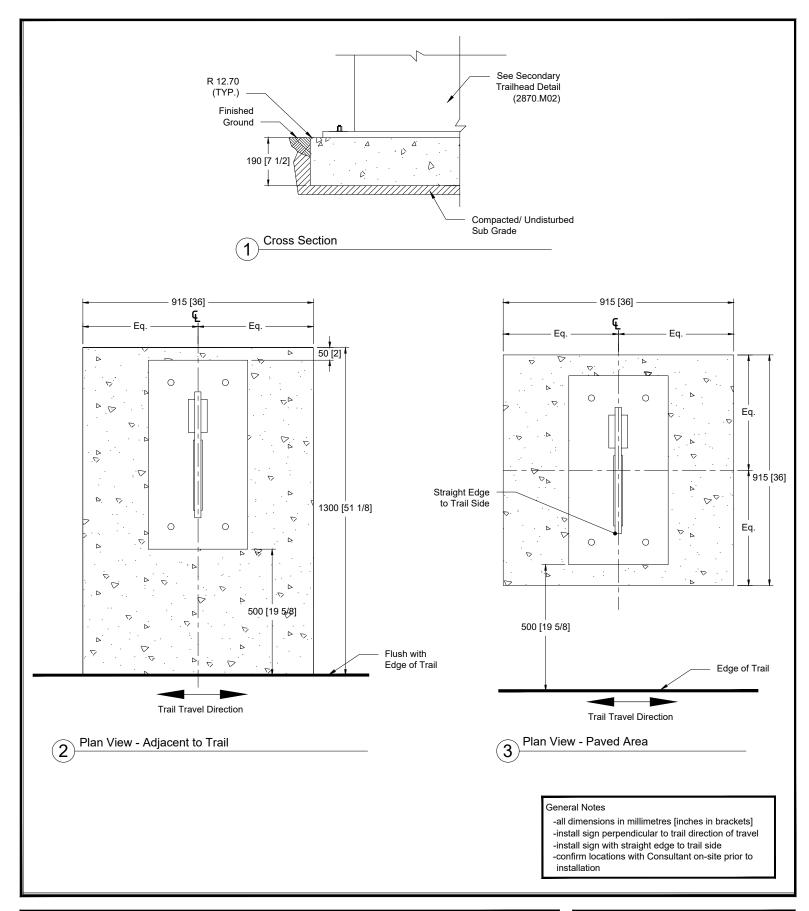
Plan View

General Notes

-all dimensions in millimetres [inches in brackets]

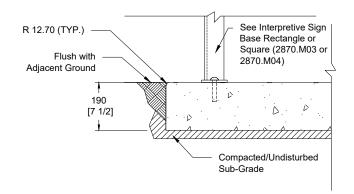
Drawing No: 2523.M01	Drawing Title:	crew Pile — Pri	mary Trailhead Sig	n
	Drawn: AM	Checked: AO	Date: M/D/YY 04/07/20	Scale: NTS



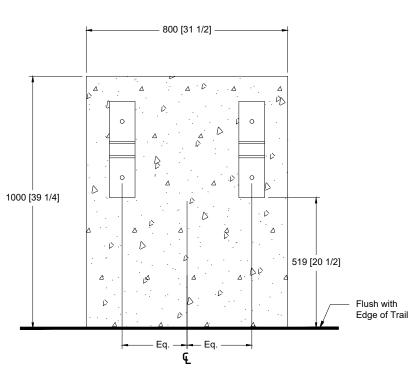


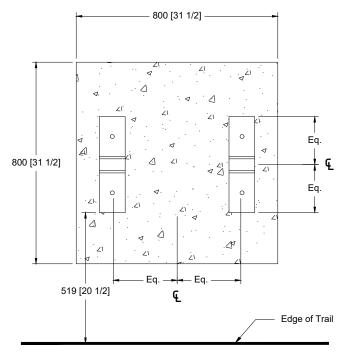
Drawing No:	Drawing Title:		rete Footing:	Se	econdary	Trailhead	Sign	
2523.M02			_					
	Drawn: C	G	Checked: AO		Date: M/D/YY	05/19/22	Scale:	NTS





Cross Section





Plan View - Adjacent to Trail

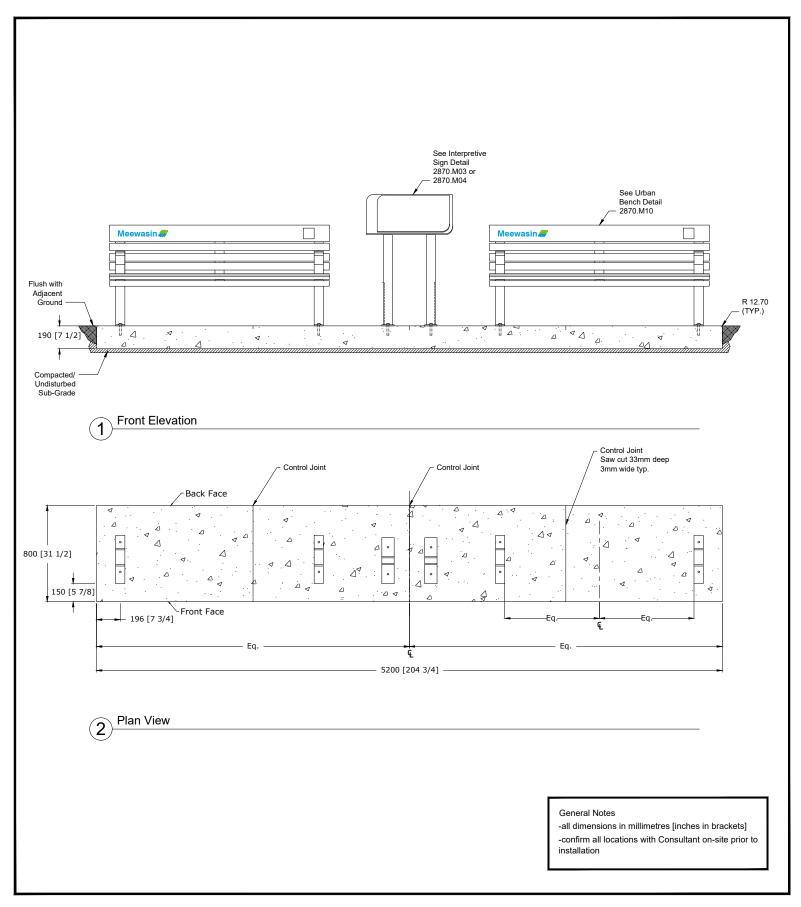
Plan View - Paved Area

General Notes

-all dimensions in millimetres [inches in brackets] -confirm locations with Consultant on-site prior to installation

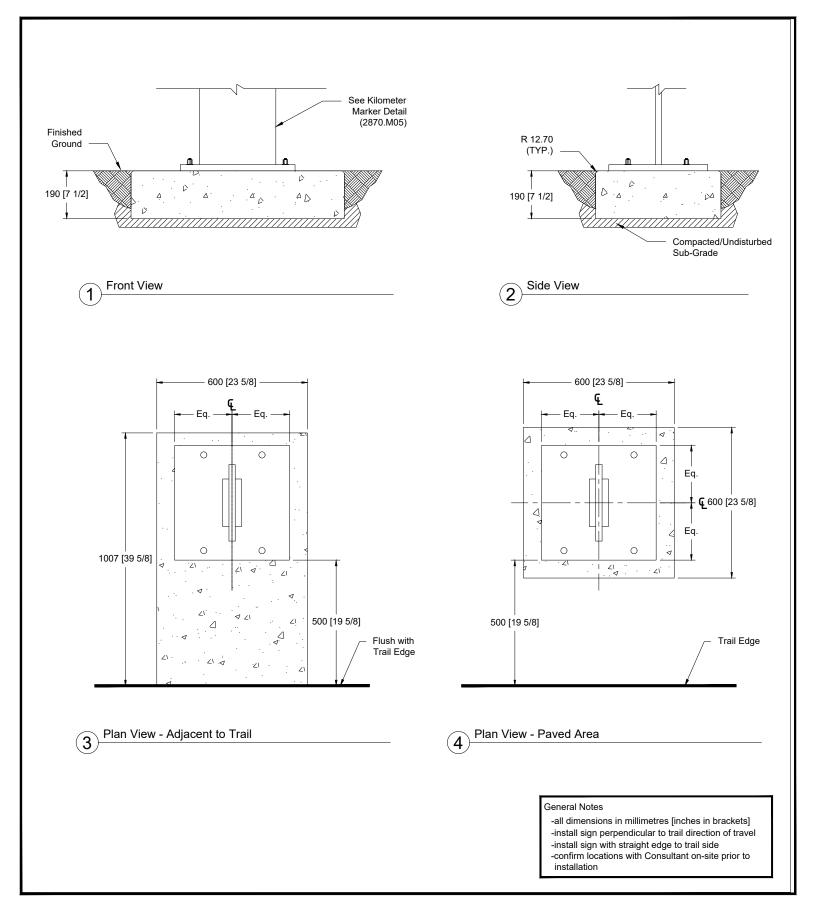
Drawing No: 2523.M03	Drawing Title		Concrete Footing	g: Interpr	etive Sigr	1	
	Drawn:	CG	Checked: AO	Date: M/D/YY	04/07/20	Scale: NTS	s





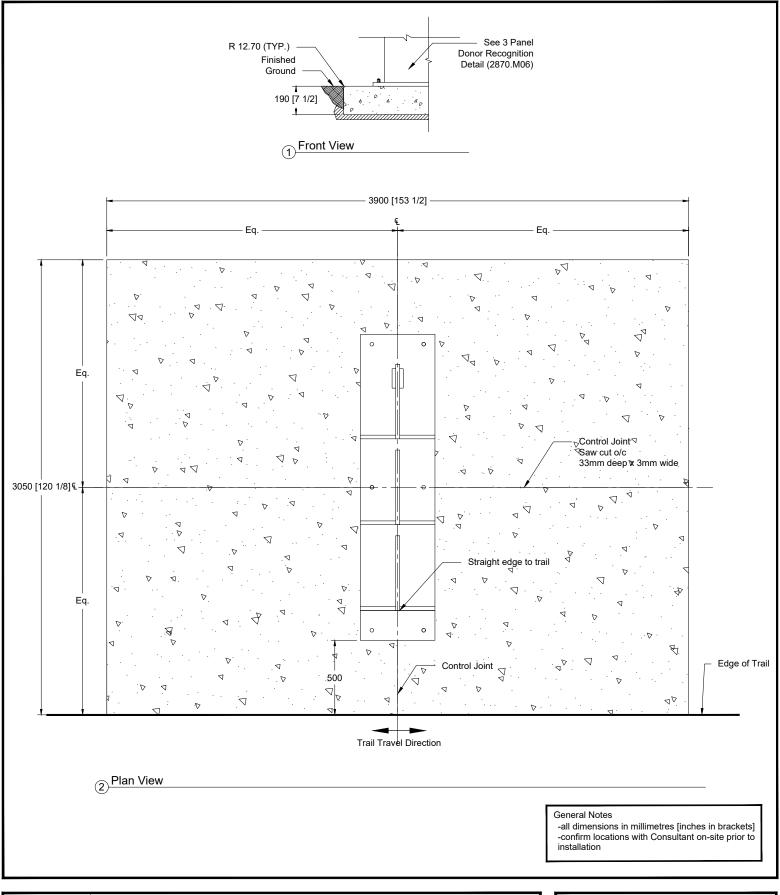
Drawing No: 2523.M04	Drawing Title:	С		Double Bench Ba pretive Sign	у
	Drawn: JS		Checked: AO	Date: 09/16/22	Scale: NTS





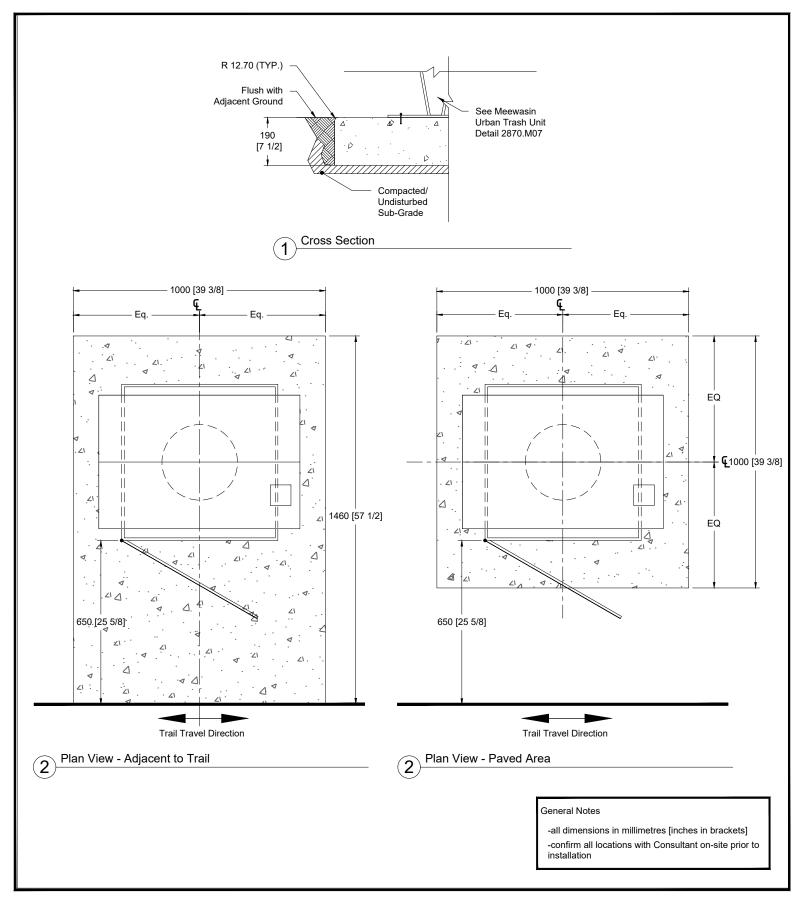
Drawing No: 2523.M05	Drawing Ti		oncrete Footing	ı: Kilomet	er Markeı	r
	Drawn:	АМ	Checked: AO	Date: M/D/YY	06/04/20	Scale: NTS





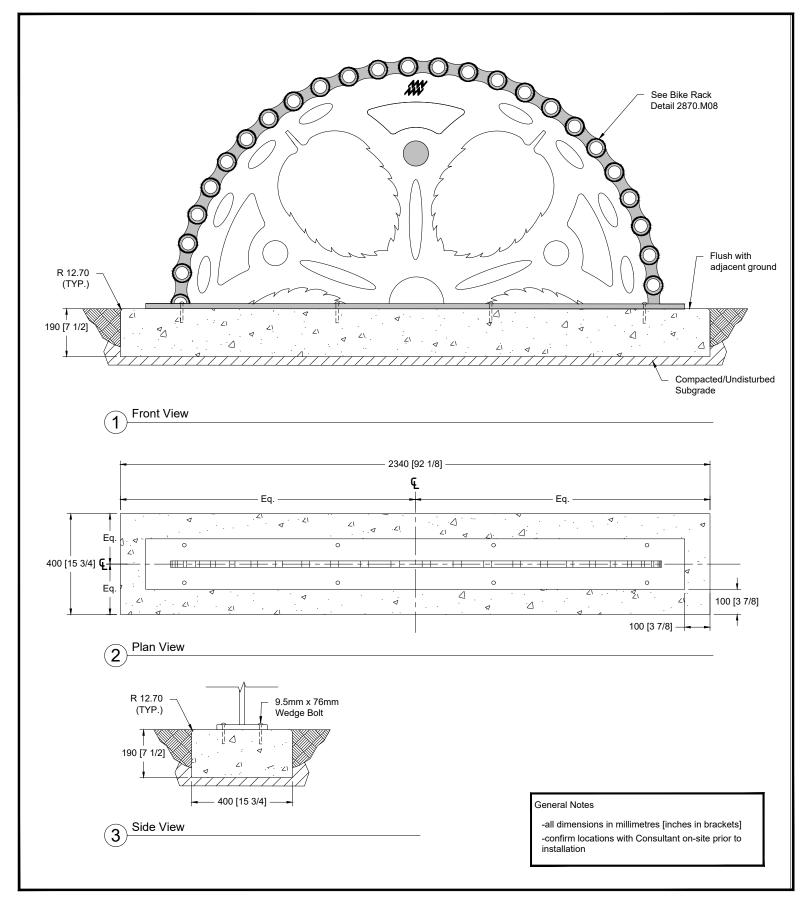
Drawing No:	Drawing 1	Γitle:					
		Concrete	Footing:	3 Pai	nel Donor	Recognit	ion Sign
2523.M06							
	Drawn:	JS	Checked: AO		Date: M/D/YY	12/02/22	Scale: NTS





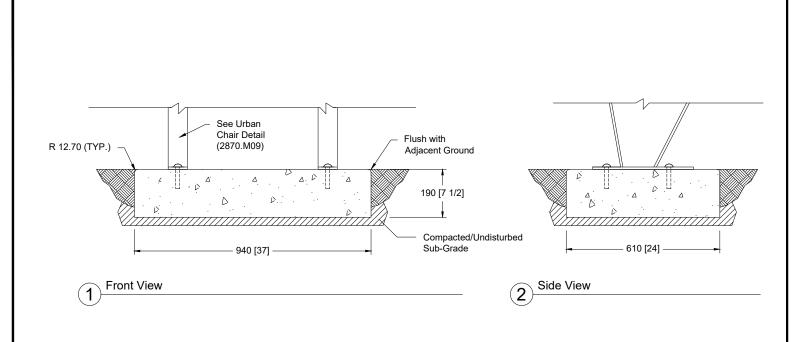
Drawing No: 2523.M07	Drawing Title:	(Concrete Footin Tras	g: Meewa sh Unit	sin Urban		
	Drawn: C	G	Checked: AO	Date: M/D/YY	05/20/22	Scale: NTS	

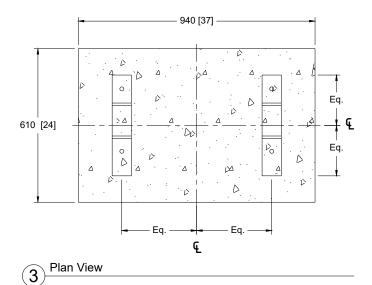




Drawing No:	Drawing Title:	oncrete Footing:	Bike Rack — Geo	ır
2523.M08	Drawn: JS	Checked: AO	Date: M/D/YY 11/24/22	Scale: NTS





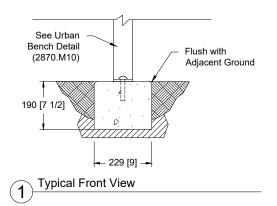


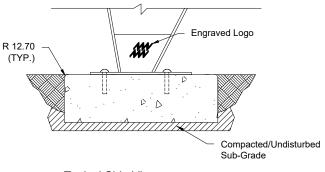
General Notes

-all dimensions in millimetres [inches in brackets] -confirm locations with Consultant on-site prior to installation

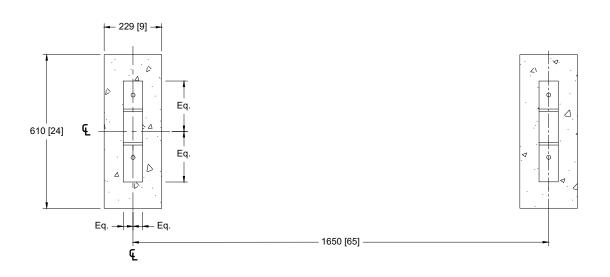
Drawing No: 2523.M09	Drawing Ti		Concrete Footin	g: Chair — Urban	
	Drawn:	AM/CG	Checked: AO	Date: 04/26/21	Scale: NTS







Typical Side View



Typical Plan View

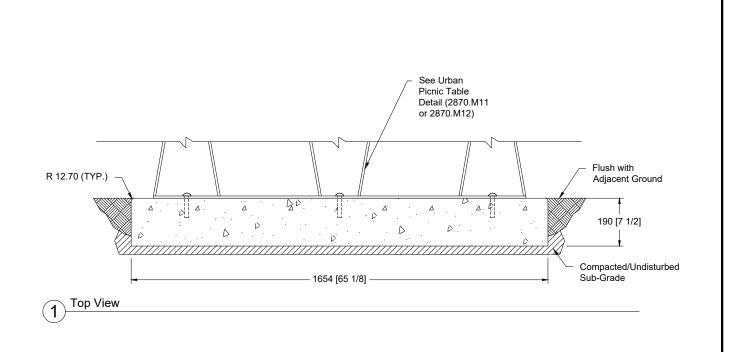
General Notes

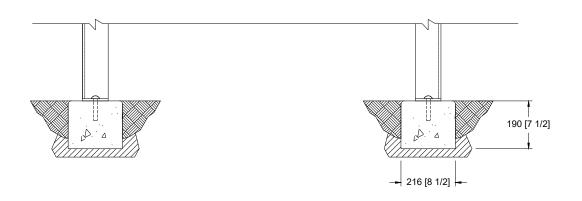
-all dimensions in millimetres [inches in brackets] -confirm locations with Consultant on-site prior to installation

-See detail 2523.M12 for Bench Bay Layout

Drawing No: 2523.M10	Drawing Title:	Concrete Foot	ing: Bench — Urb	oan
	Drawn: AM/CG	Checked: AO	Date: 04/26/21	Scale: NTS







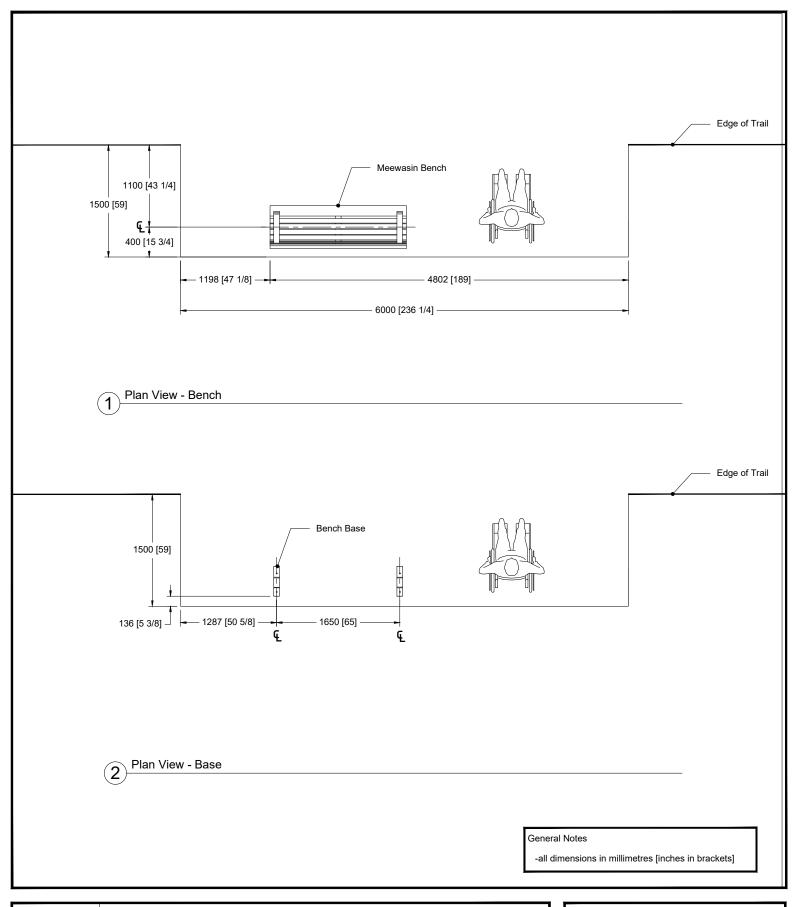
Side View

General Notes

-all dimensions in millimetres [inches in brackets] -confirm locations with Consultant on-site prior to installation

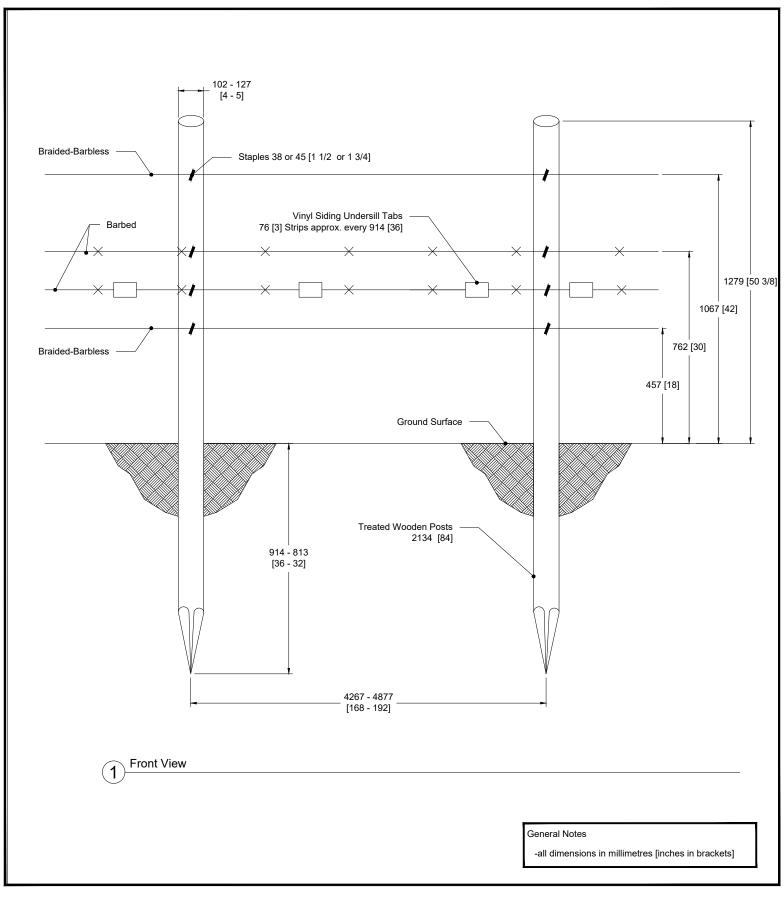
Drawing No:	Drawing Title:	Concrete Foot	ing: Picnic Table	
2523.M11				
	Drawn: AM	Checked: AO	Date: M/D/YY 04/07/20	Scale: NTS





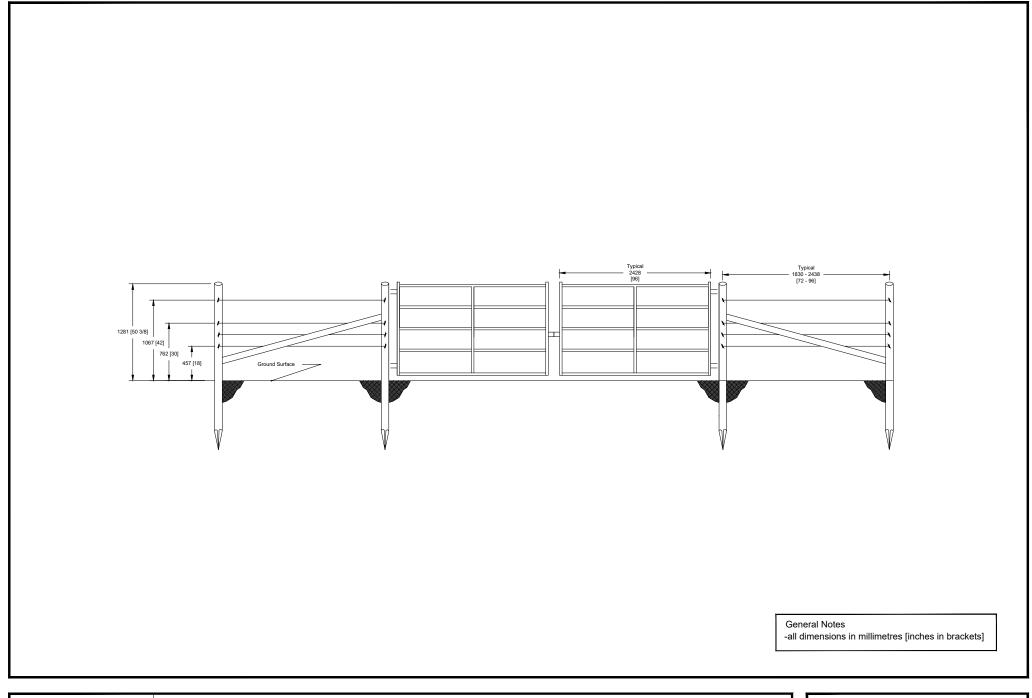
Drawing No:	Drawing Ti		oncrete Footing	: Bench Bay Layou	ıt
2523.M12					
	Drawn:	JS	Checked: AO	Date: M/D/YY 12/02/22	Scale: NTS





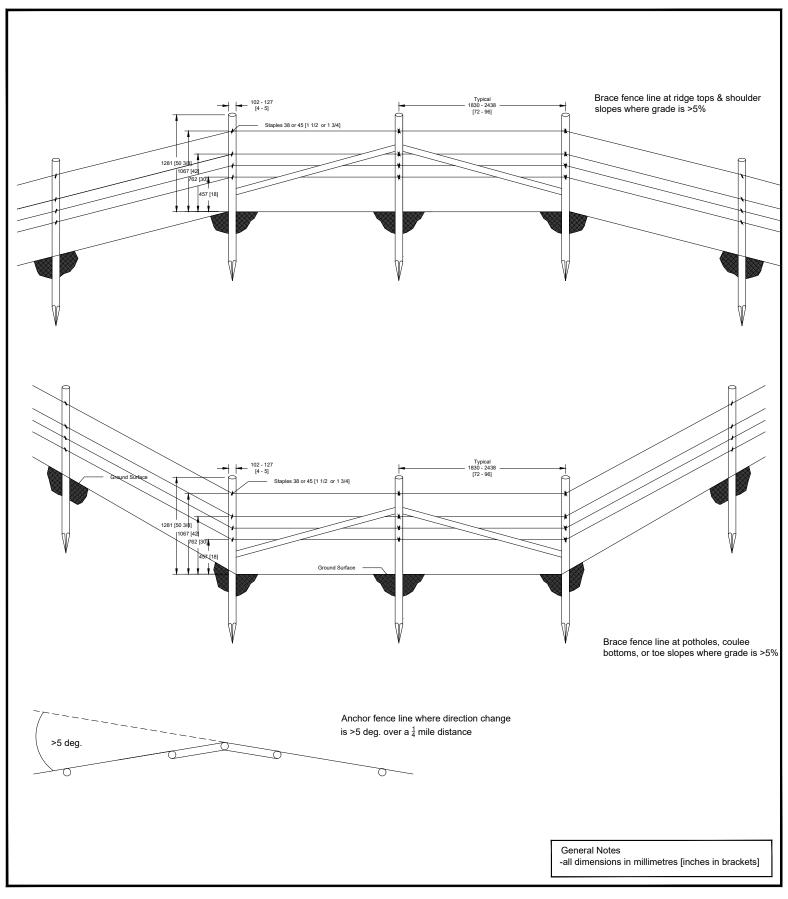
Drawing No: 2831.M01	Drawing Title:	Wildlife Fri	endly Fencing	
	Drawn: AM	Checked: AO	Date: M/D/YY 04/07/20	Scale: NTS





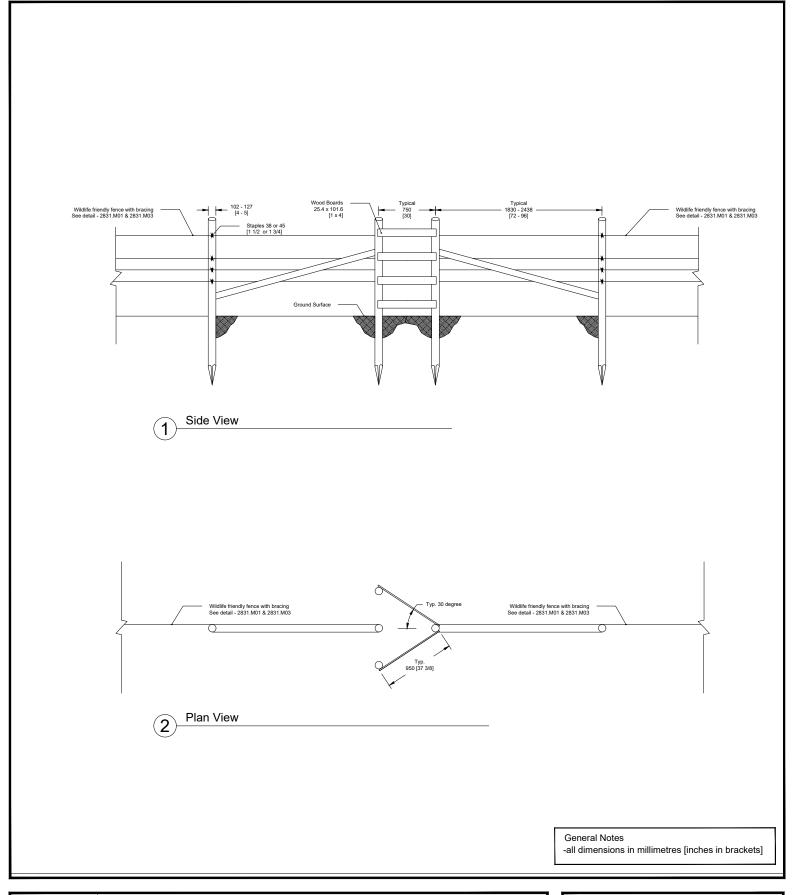
Drawing No:	Drawing Title:			
2831.M02		Se	ervice Vehicle Access Gate	
200,,,,,,,,	Drawn: AM	Checked: AO	Date: M/D/YY 06/02/20	Scale: NTS





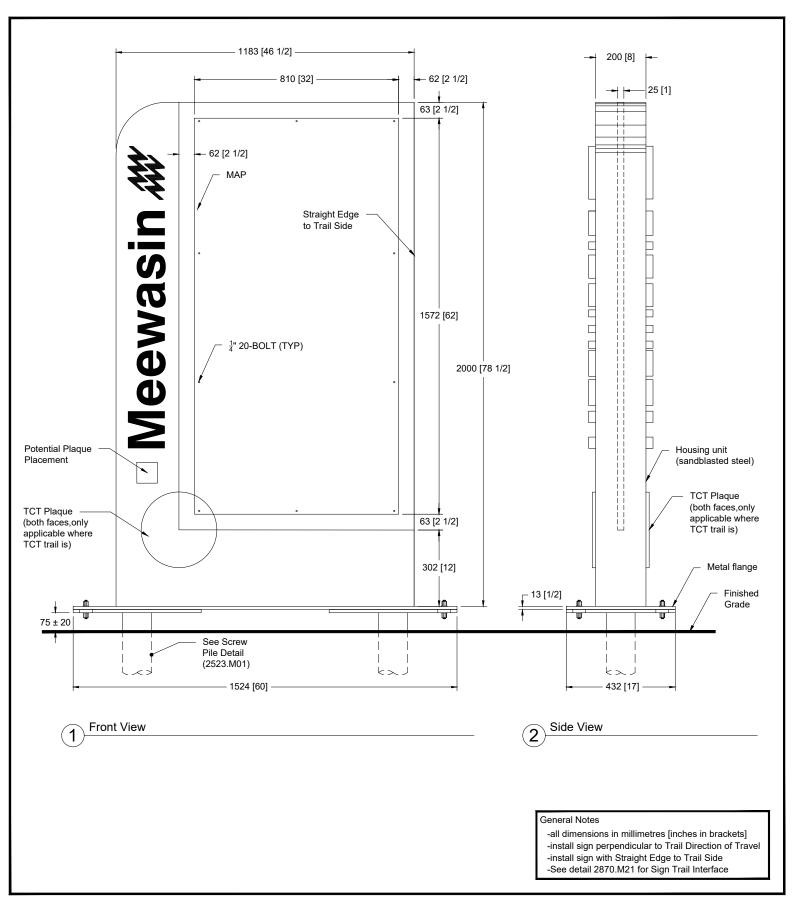
Drawing No:	Drawing Title	:						
				Fence	Bracing			
2831.M03								
	Drawn:	АМ	Checked:	AO	Date: M/D/YY	06/02/20	Scale:	NTS





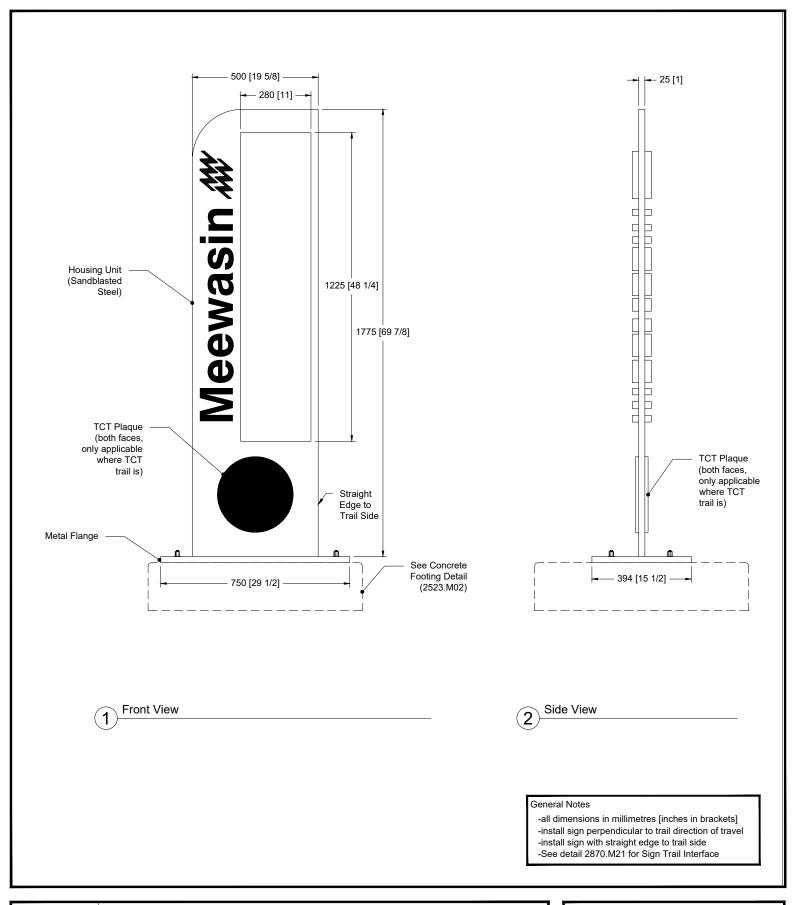
Drawing No:	Drawing Title:	Fencing — Ped	estrian Y Opening	
2831.M04				
	Drawn: AM	Checked: AO	Date: M/D/YY 10/15/20	Scale: NTS





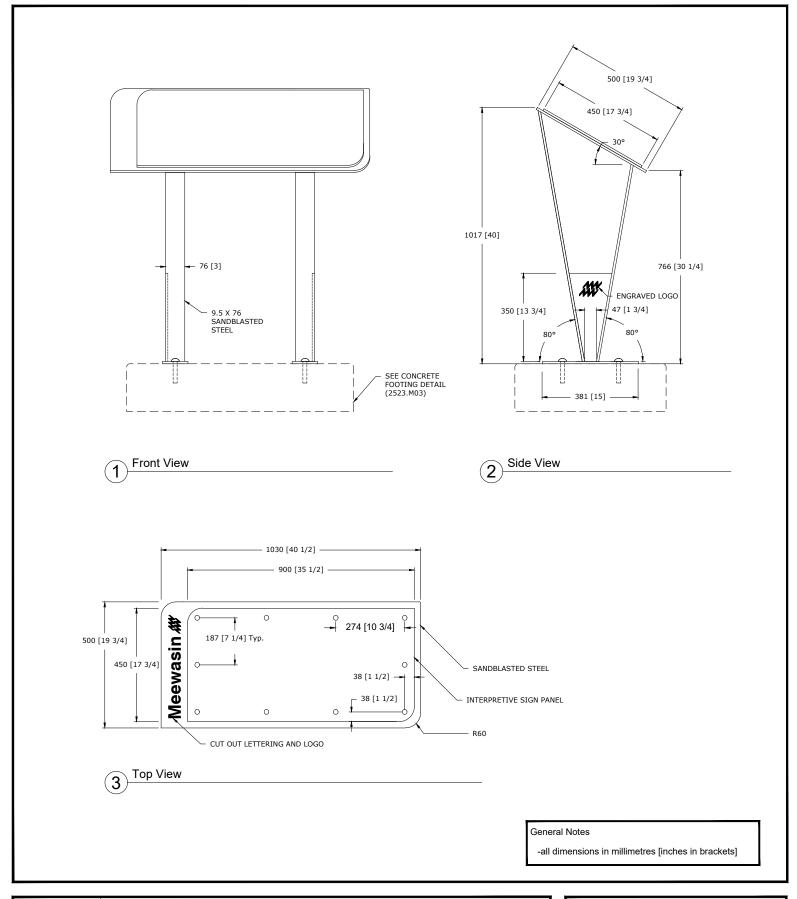
Drawing No: 2870.M01	Drawing Ti	tle:	Trailhead Sign	Base -	Primary		
	Drawn:	CG	Checked: AO	Date: M/D/YY	05/12/2021	Scale:	NTS





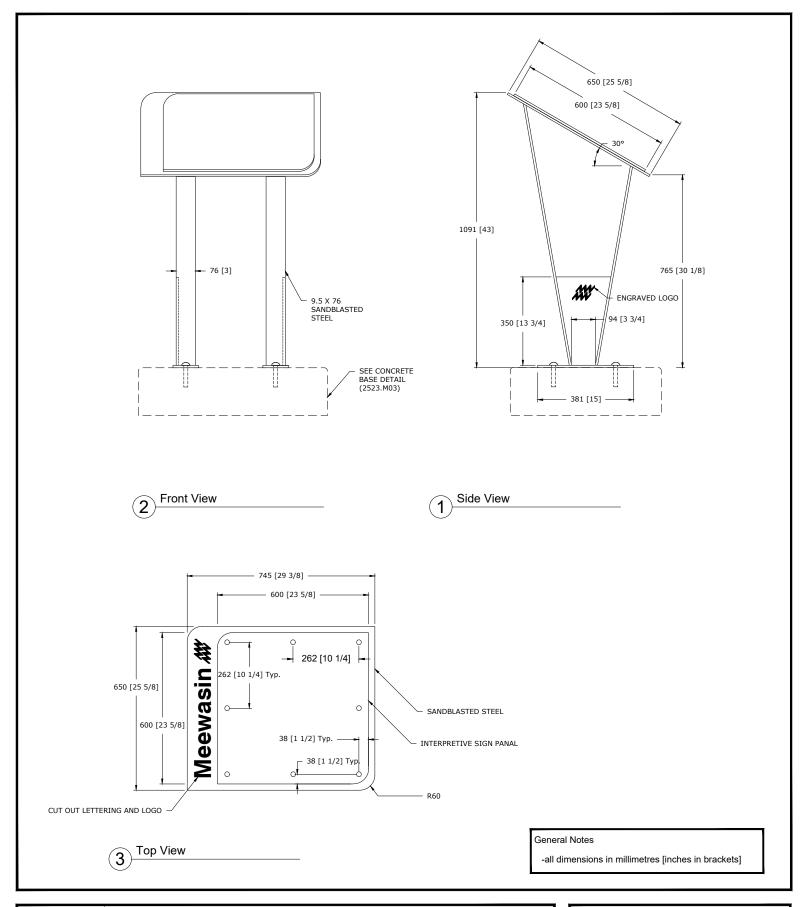
Drawing No: 2870.M02	Drawing Title:	Trailhead Sign (Base — Secondary	
	Drawn: AM	Checked: AO	Date: M/D/YY 04/07/20	Scale: NTS





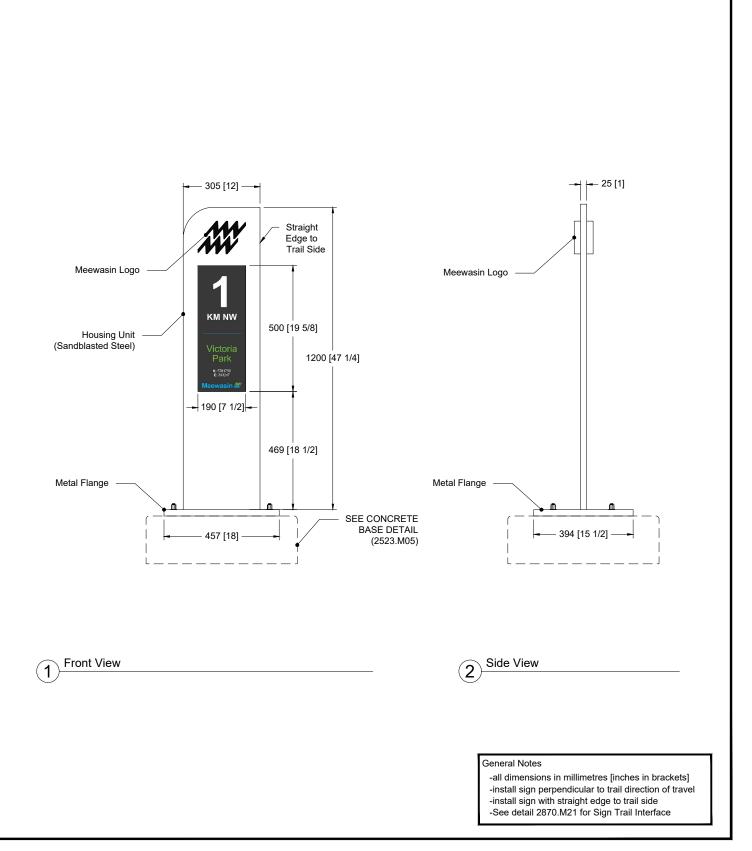
Drawing No:	Drawing Title:	Interpretive Sign	n Base: Rectangle	
2870.M03				
	Drawn: AM	Checked: AO	Date: M/D/YY 04/07/20	Scale: NTS





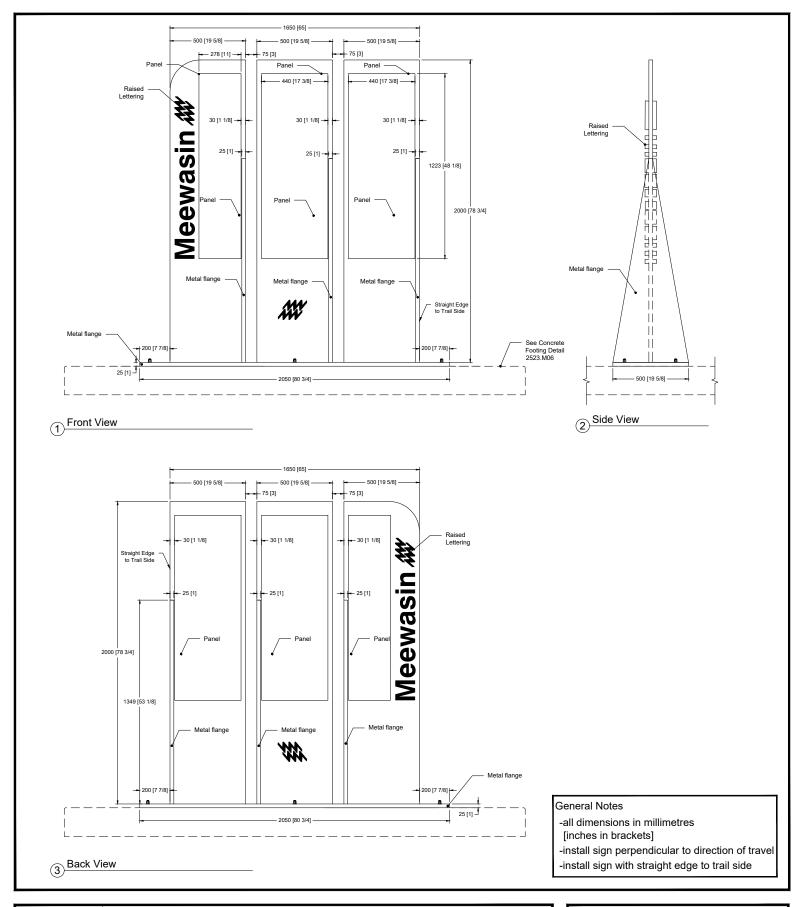
Drawing No:	Drawing Title:	Interpretive Si	gn Base: Square	
2870.M04	Drawn: AM	Checked: AO	Date: M/D/YY 04/07/20	Scale: NTS





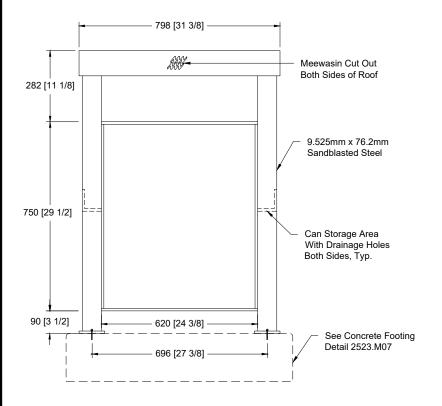
Drawing No:	Drawing Title:	Kilomot	er Marker	
2870.M05		Kilolitet	ei warkei	
	Drawn: AM	Checked: AO	Date: M/D/YY 06/04/20	Scale: NTS

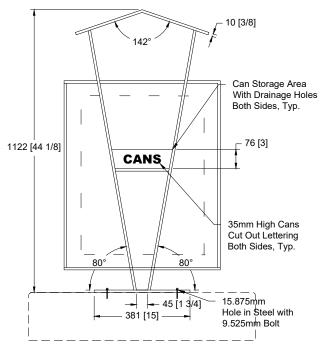




Drawing No:	Drawing Ti	tle:	3 Panel Donor	Recognit	ion Sign		
	Drawn:	CG	Checked: AO	Date: M/D/YY	01/04/2022	Scale:	NTS







Front View

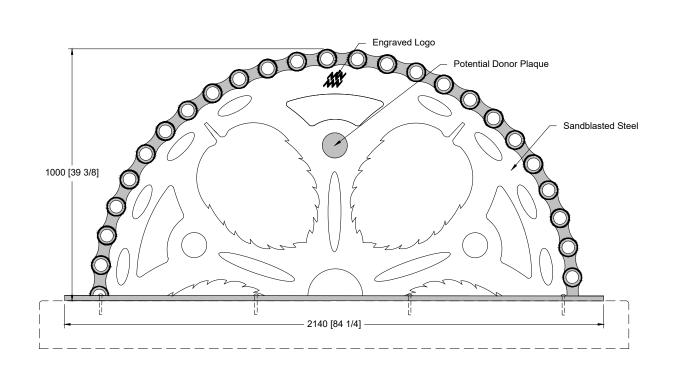
Side View

General Notes

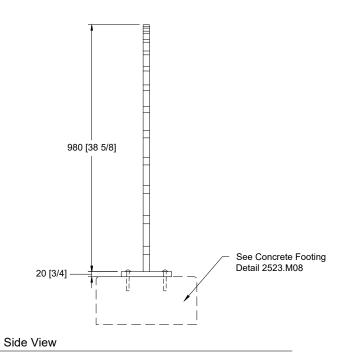
-all dimensions in millimetres [inches in brackets]

Drawing No:	Drawing T	itle:	Manustalla	h and Taranda	1111		
2870.M07			Meewasin Ur	ban irasr	Unit		
	Drawn:	CG	Checked: AO	Date: M/D/YY	25/02/19	Scale:	NTS





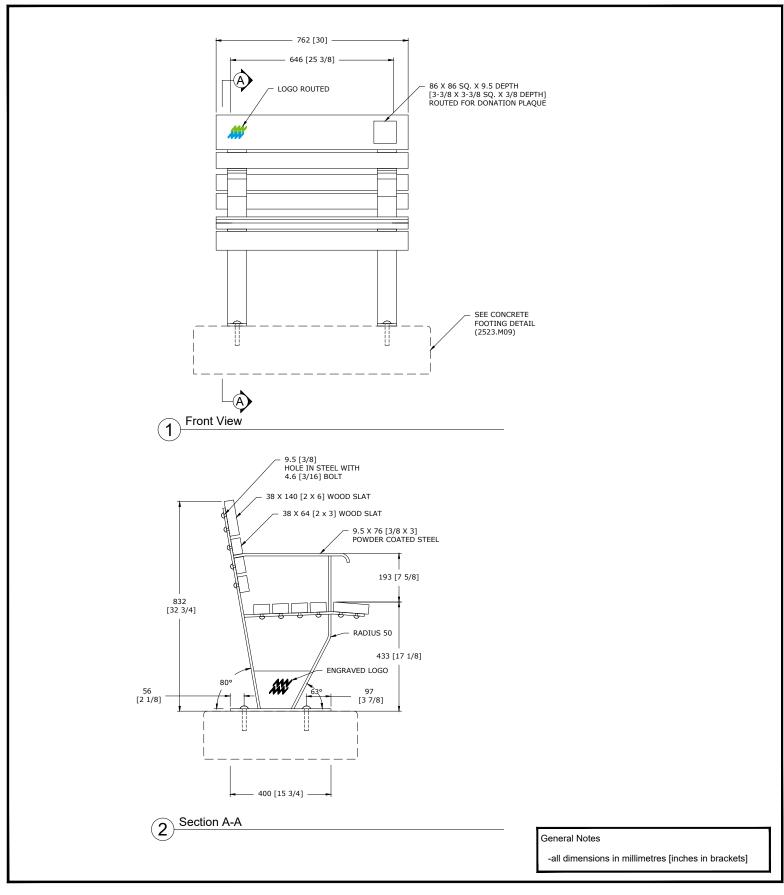
Front View



General Notes

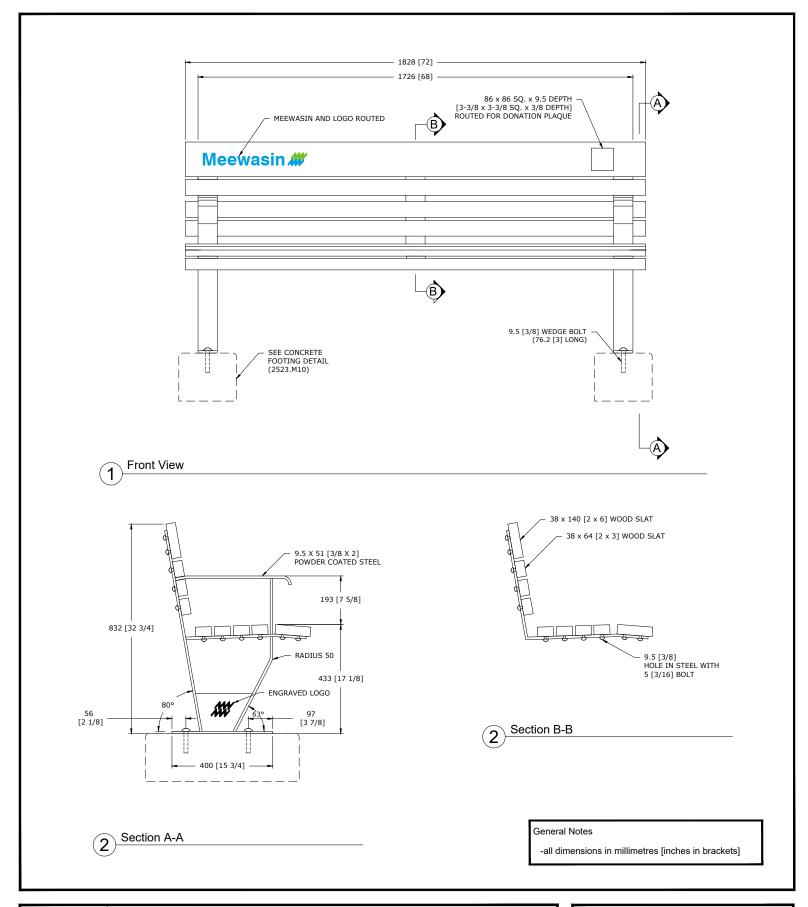
-all dimensions in millimetres [inches in brackets]





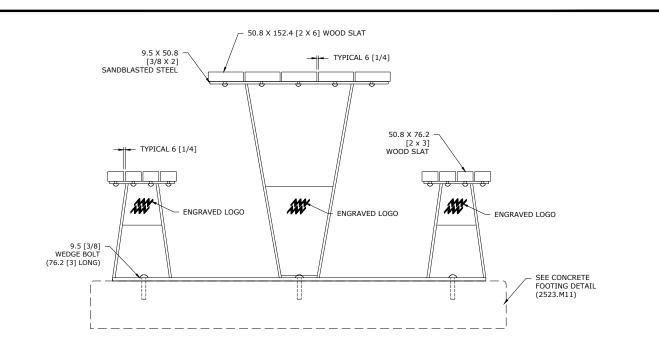
Drawing No:	Drawing T	itle:					
		Chair — Urban					
2870.M09							
	Drawn:	AM/CG	Checked: AO	Date: M/D/YY	04/26/21	Scale:	NTS



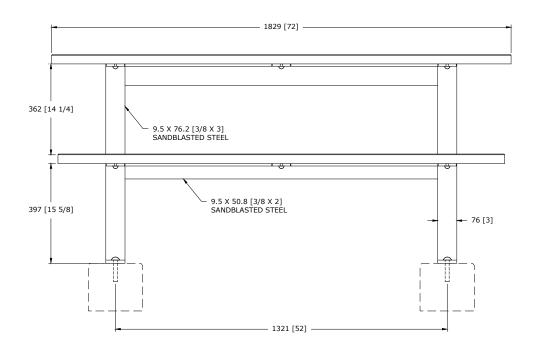


Drawing No:	Drawing Title:						
	Bench — Urban						
2870.M10							
	Drawn: AM/CG	Checked: AO	Date: 04/26/21	Scale: NTS			





1 Front View



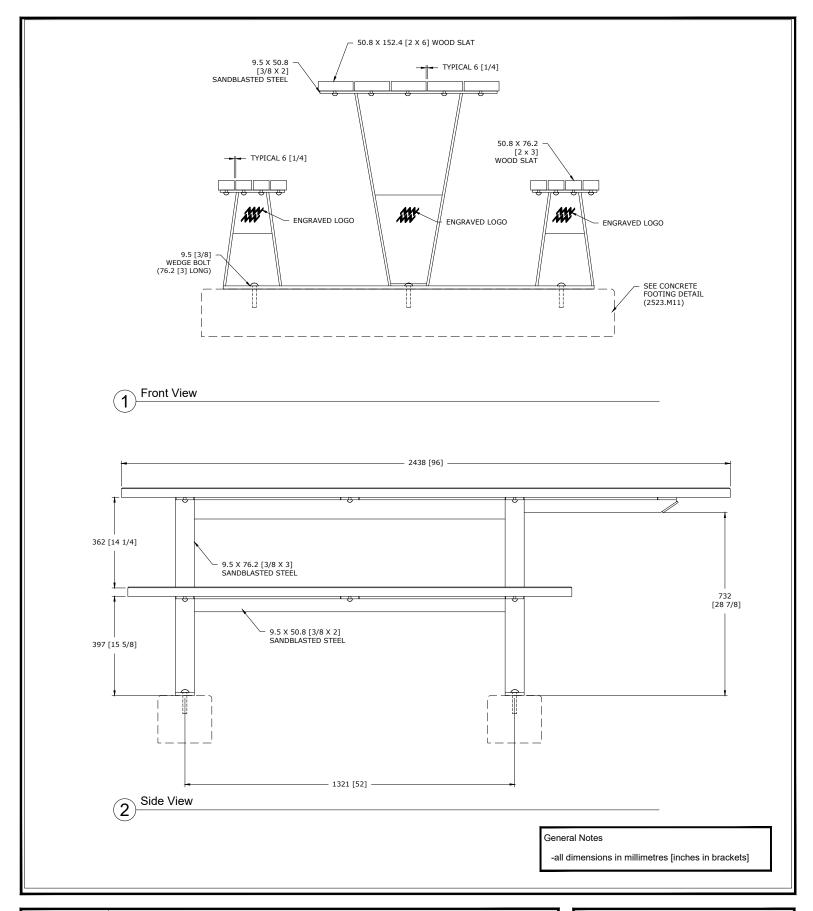
Side View

General Notes

-all dimensions in millimetres [inches in brackets]

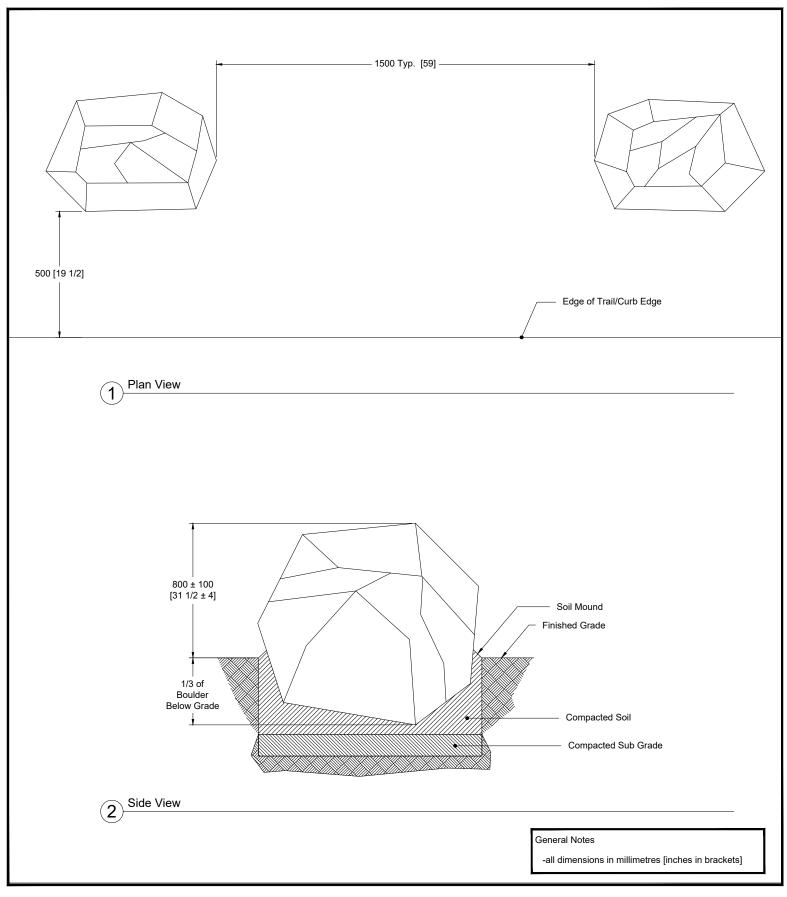
Drawing No:	Drawing Title:					
2870.M11		Picnic Table: Non—Accessible — Urban				
	Drawn: AM	Checked: AO	Date: M/D/YY	04/07/20	Scale: NTS	





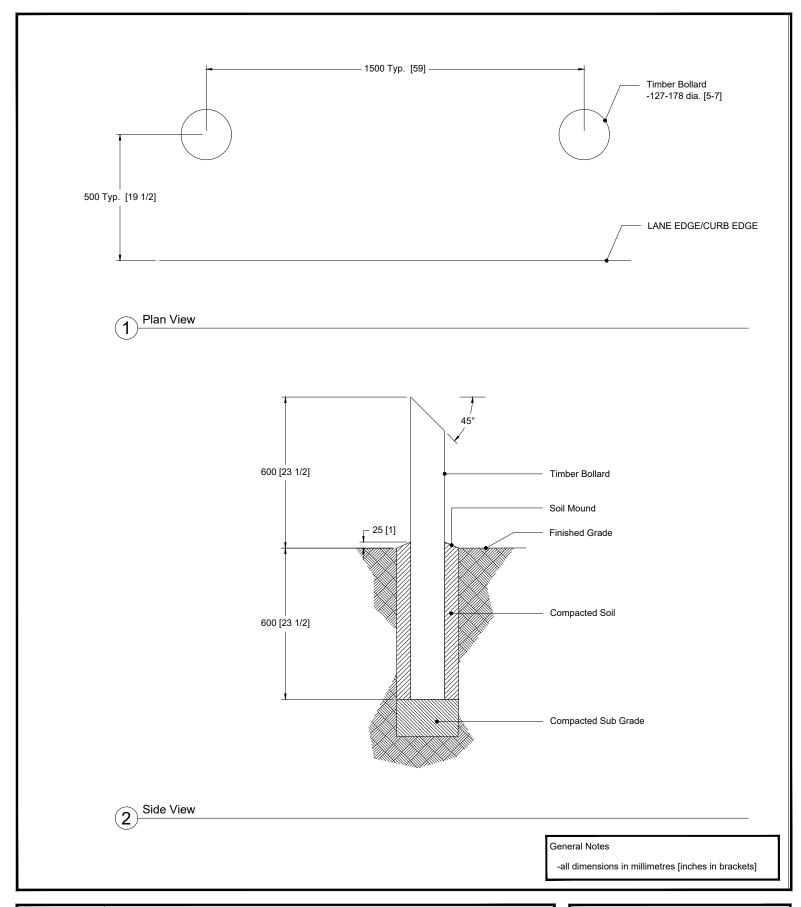
Drawing No:	Drawing Title:			
		Picnic Table: A	ccessible — Urban	
2870.M12				
	Drawn: AM	Checked: AO	Date: M/D/YY 04/07/20	Scale: NTS





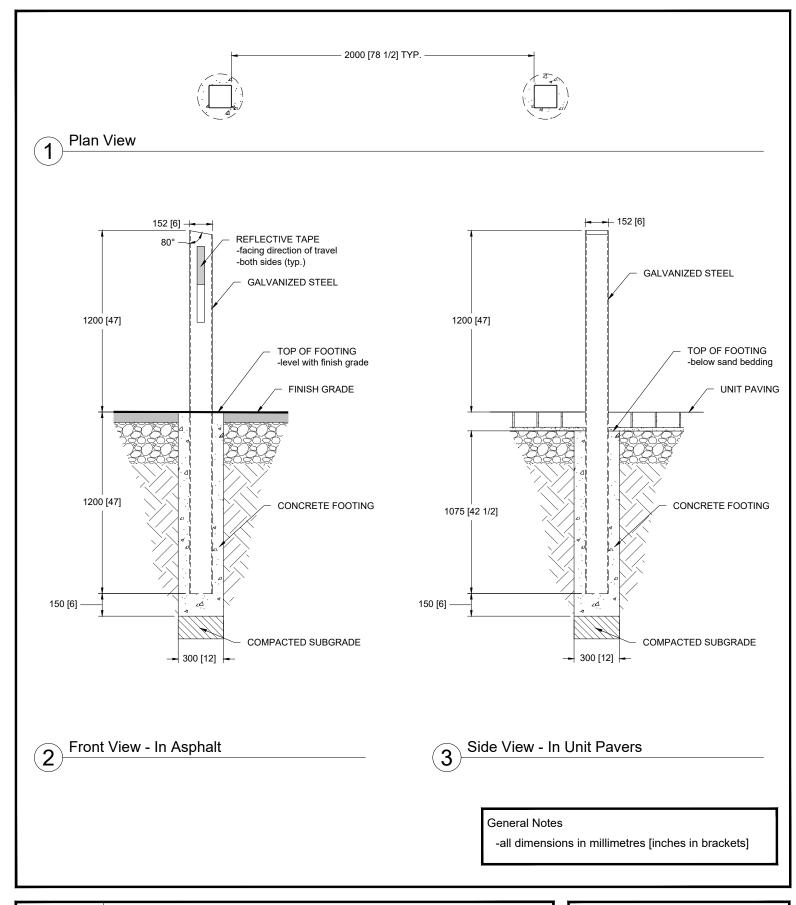
Drawing No:	Drawing Title:					
	Boulder					
2870.M13						
	Drawn: AM	Checked: AO	Date: M/D/YY 04/22/21	Scale: NTS		





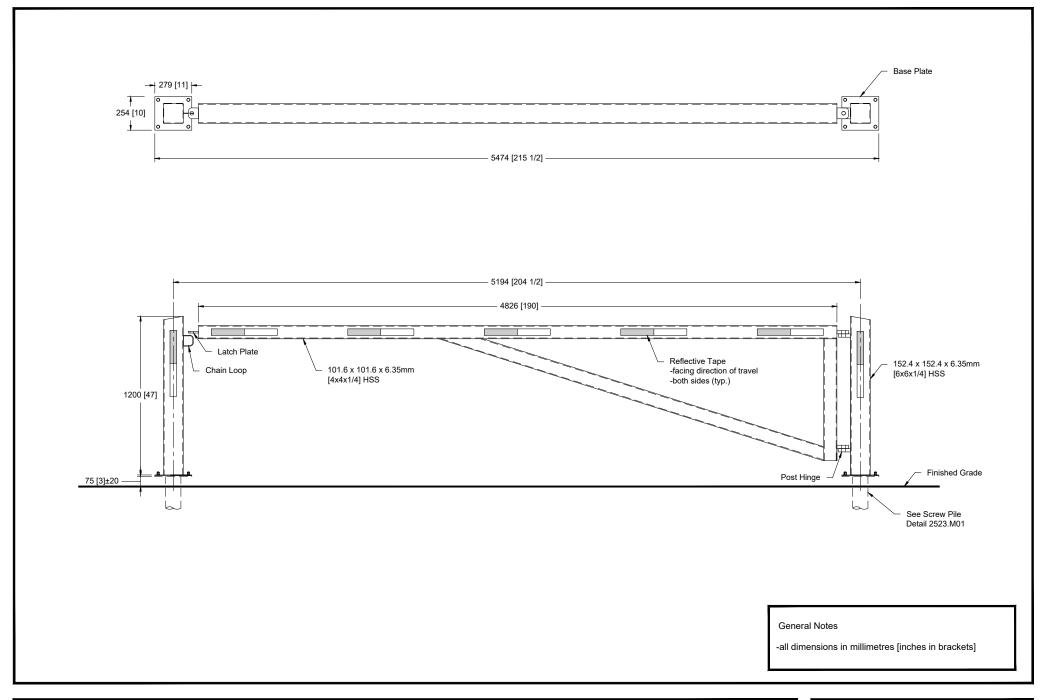
Drawing No:	Drawing Title:	Drawing Title: Bollard — Wooden				
2870.M14						
	Drawn: AM	Checked: AO	Date: M/D/YY 04/07/20	Scale: NTS		





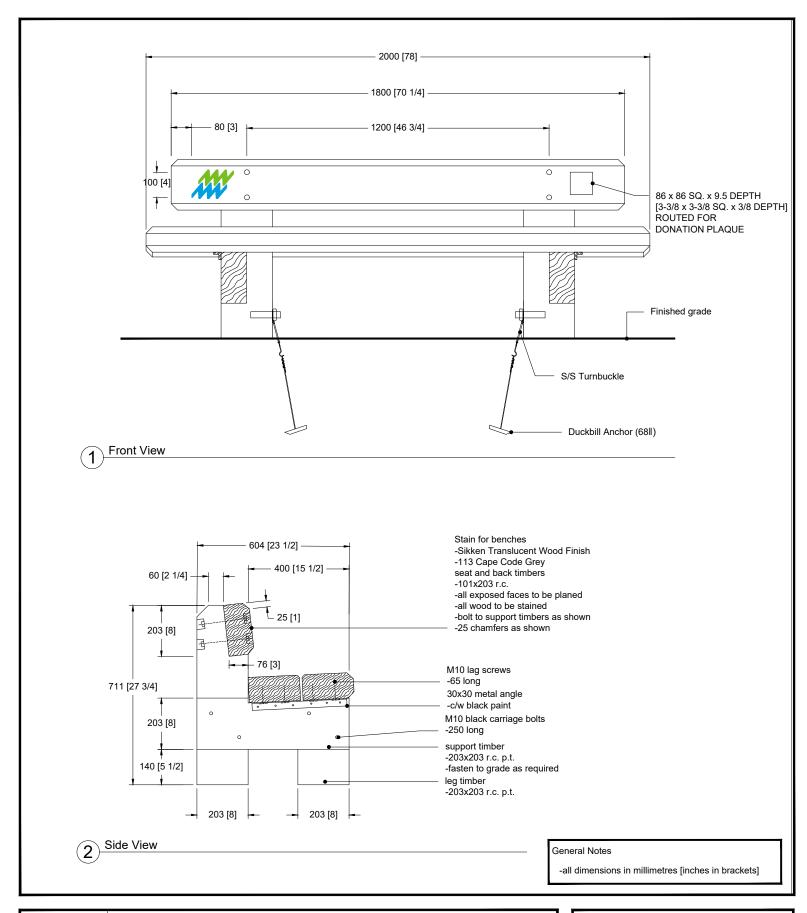
Drawing No:	Drawing Title:							
		Bollard — Steel						
2870.M15								
	Drawn: J	s	Checked:	AO	Date: M/D/YY	11/14/22	Scale:	NTS





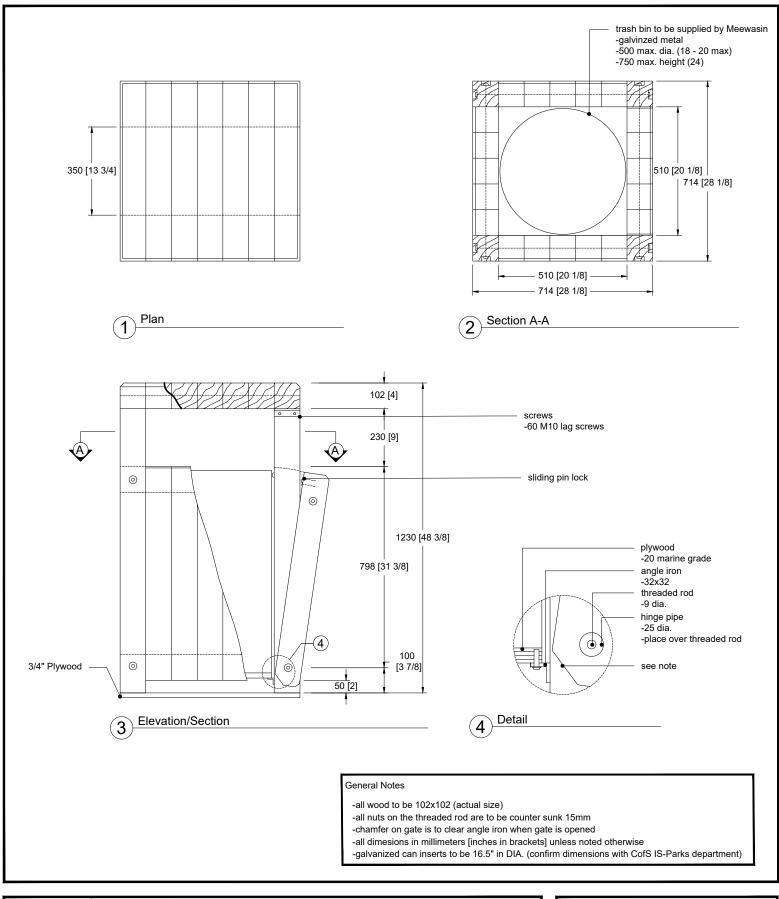
Drawing No:	Drawing Title:			
2870.M16	Gate — Steel			
	Drawn: JS	Checked: AO	Date: M/D/YY 12/06/22	Scale: NTS





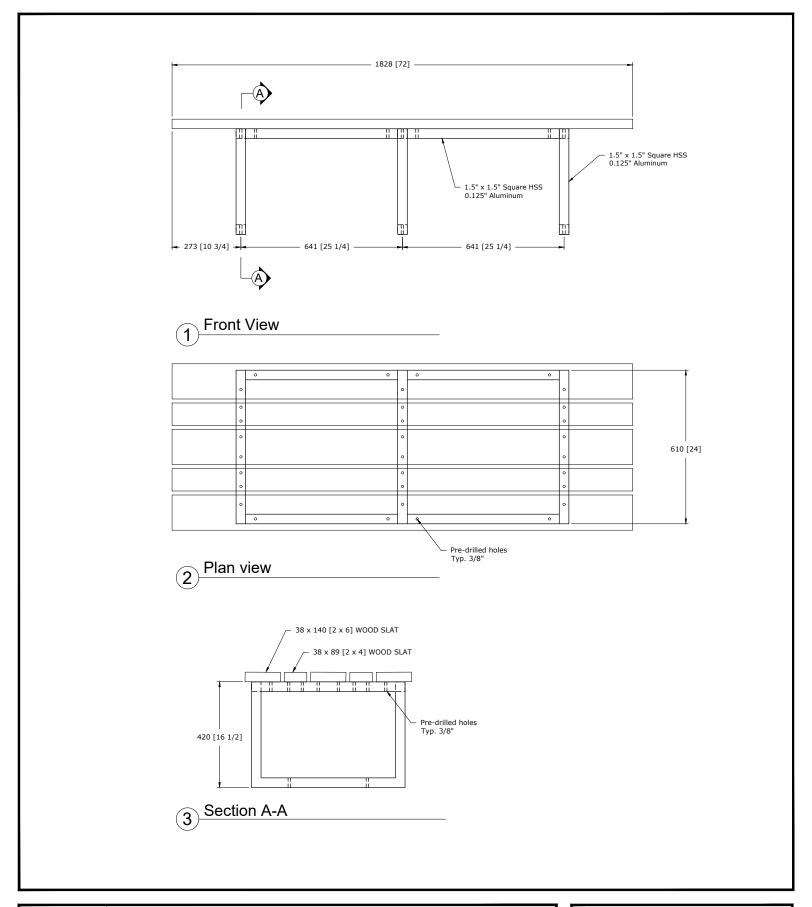
Drawing No:	Drawing Title:					
		Bench — Rustic				
2870.M17						
	Drawn: AM	Checked: AO	Date: M/D/YY 04/06/20	Scale: NTS		





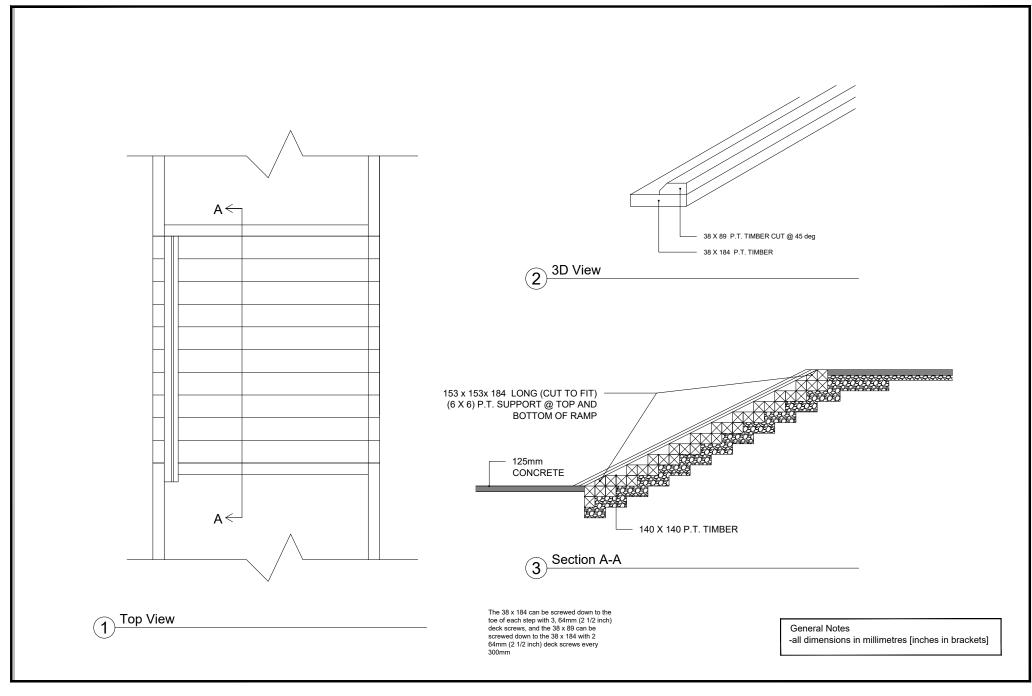
Drawing No: 2870.M18	Drawing Title:	^{Title:} Trash Receptacle — Rustic			
			Date: M/D/YY 04/2/20	Scale: NTS	





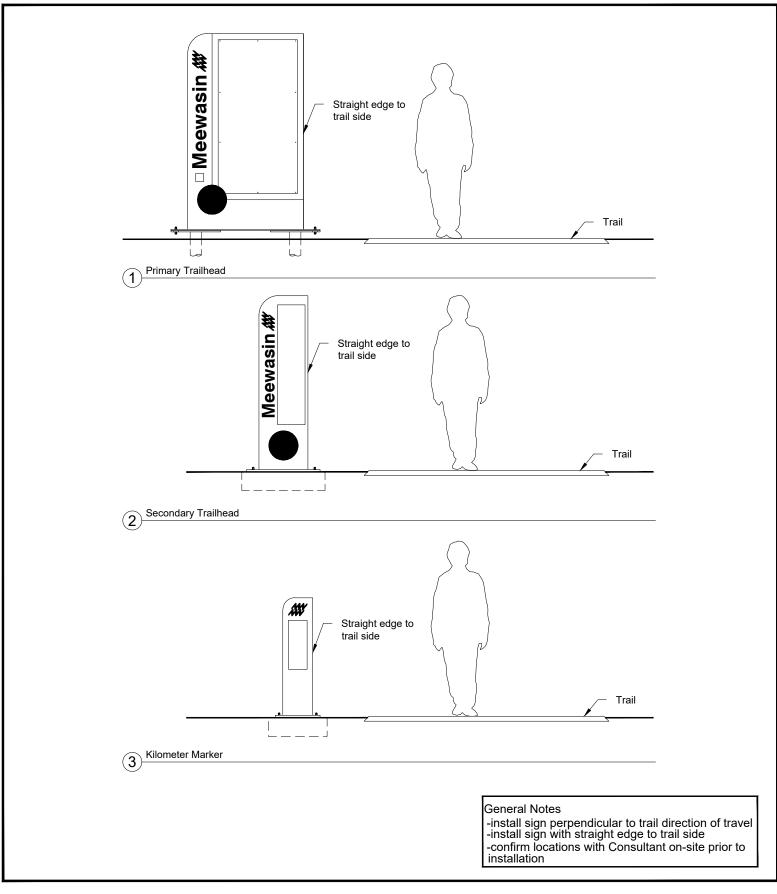
Drawing No:	Drawing Title:						
	Bench — Backless Aluminum Frame						
2870.M19							
	Drawn: AM	AM Checked: AO Date: M/D/YY 04/06/20 Scale: NTS					





Drawing No:	Drawing Title:	_				
2870.M20	Bike Ramp on Timber Stairs					
	Drawn: AM	Checked: AO	Date: M/D/YY 05/05/21	Scale: NTS		





Drawing No:	Drawing Title: Typical Sign Trail Interface				
2870.M21					
	Drawn:	JS	Checked: AO	Date: M/D/YY 02/22/23	Scale: NTS

