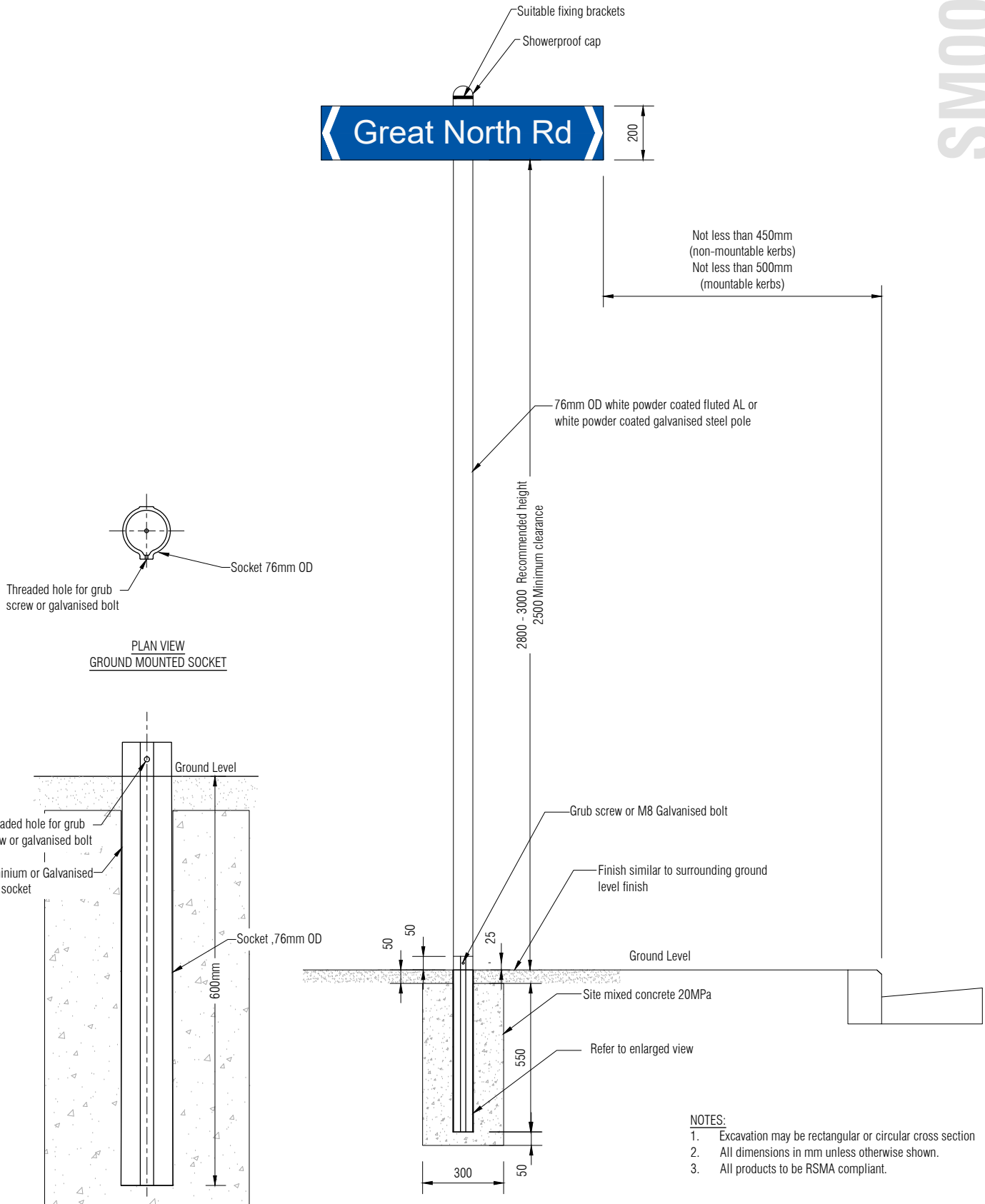
Signs and Markings Index

SED_NO	SED_Version	Title	Last Published	Comments
SM0000	B	Signs and Markings index	09/03/2022 as working draft	Minor changes
SM0001	C	Single pole signs - Kerbed Road	09/03/2022 as working draft	No changes
SM0002	C	Single pole signs upto ## sq m - Unkerbed Road	09/03/2022 as working draft	No changes
SM0003	B	Surface mount socket	09/03/2022 as working draft	No changes
SM0004	A	Guide signs indicative single pole assembly	09/03/2022 as working draft	No changes
SM0005	A	Guide signs indicative multipole assembly	09/03/2022 as working draft	No changes
SM0006	A	Guide signs indicative single pole pile foundation	09/03/2022 as working draft	No changes
SM0007	A	Guide signs indicative single pole pad foundation	09/03/2022 as working draft	No changes
SM0008	A	Guide signs monopole pad foundation	09/03/2022 as working draft	No changes
SM0009	A	School Patrol Arm	09/03/2022 as working draft	No changes



NOTES:
1. Excavation may be rectangular or circular cross section
2. All dimensions in mm unless otherwise shown.
3. All products to be RSMA compliant.

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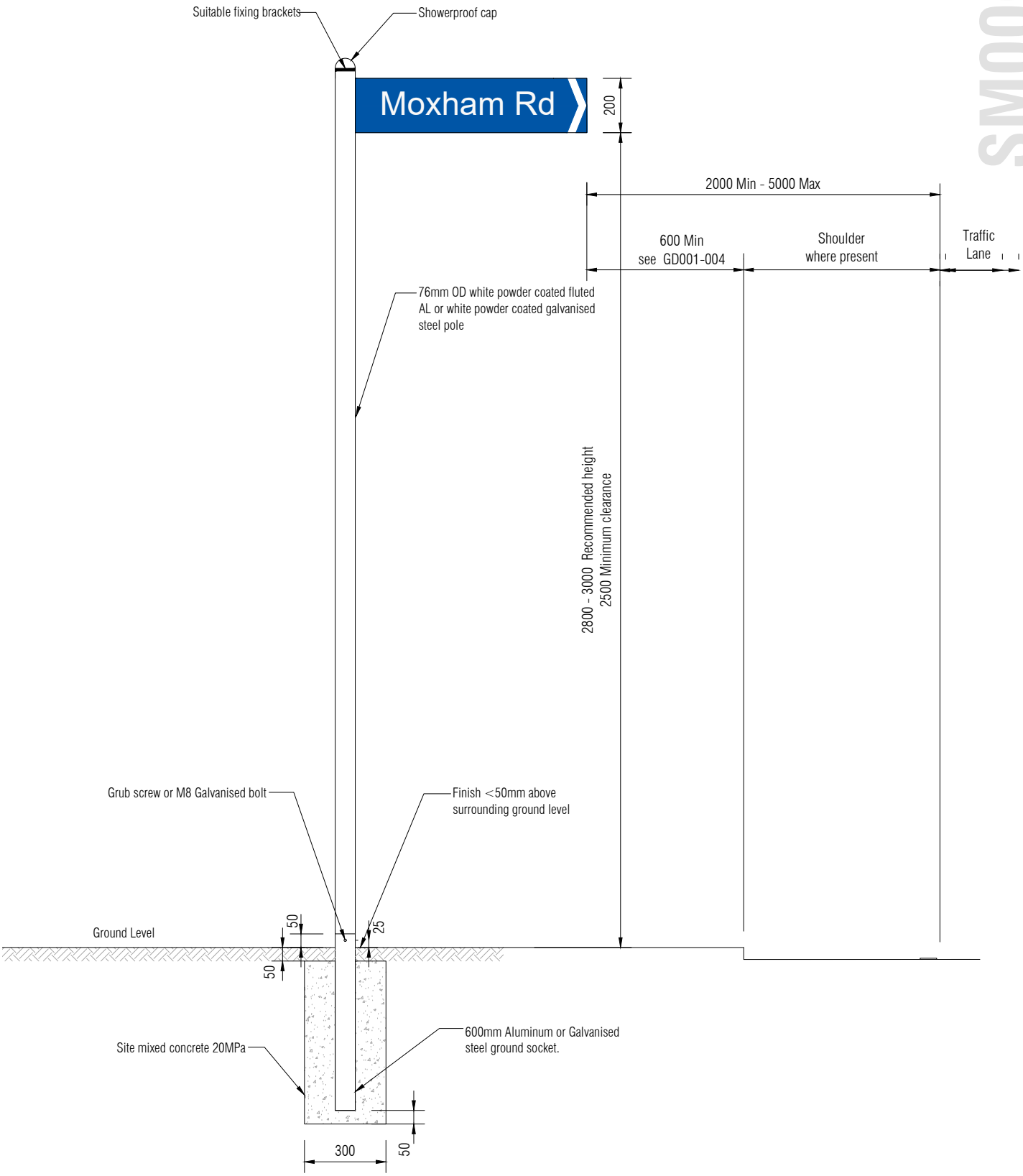
TDM TECHNICAL STANDARDS

Single pole signs - Kerbed Road

Date: 15/11/2024

SED No. SM0001

Version C



UNKERBED ROAD

NOTES:

1. Excavation may be rectangular or circular cross section
2. All dimensions in mm unless otherwise shown.
3. All products to be RSMA compliant.

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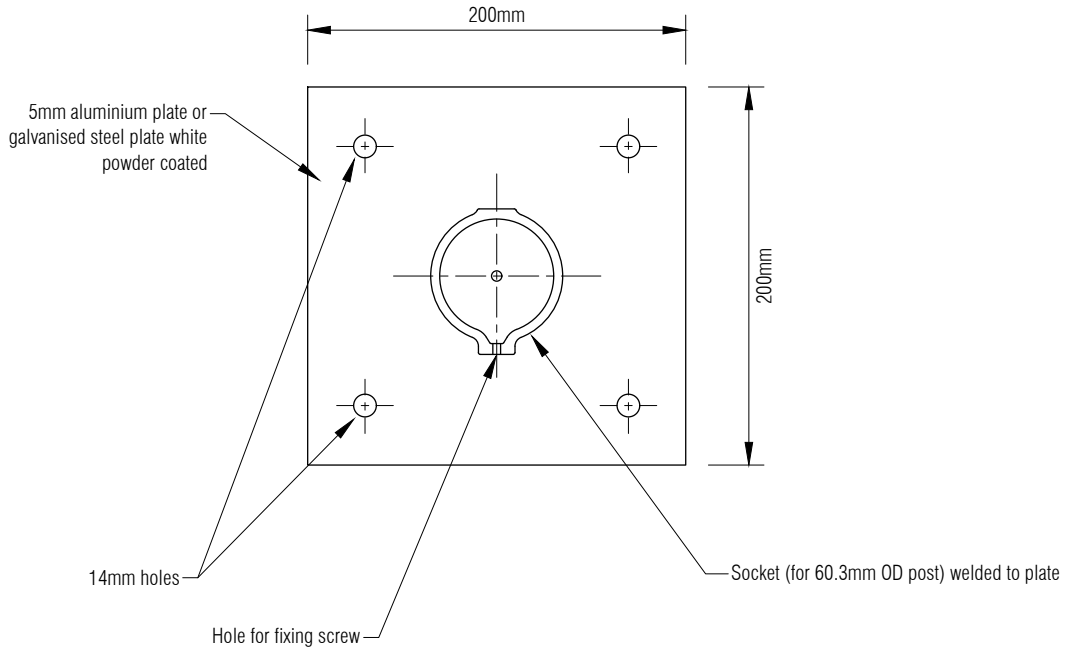
Single pole signs upto ## sq m - Unkerbed Road

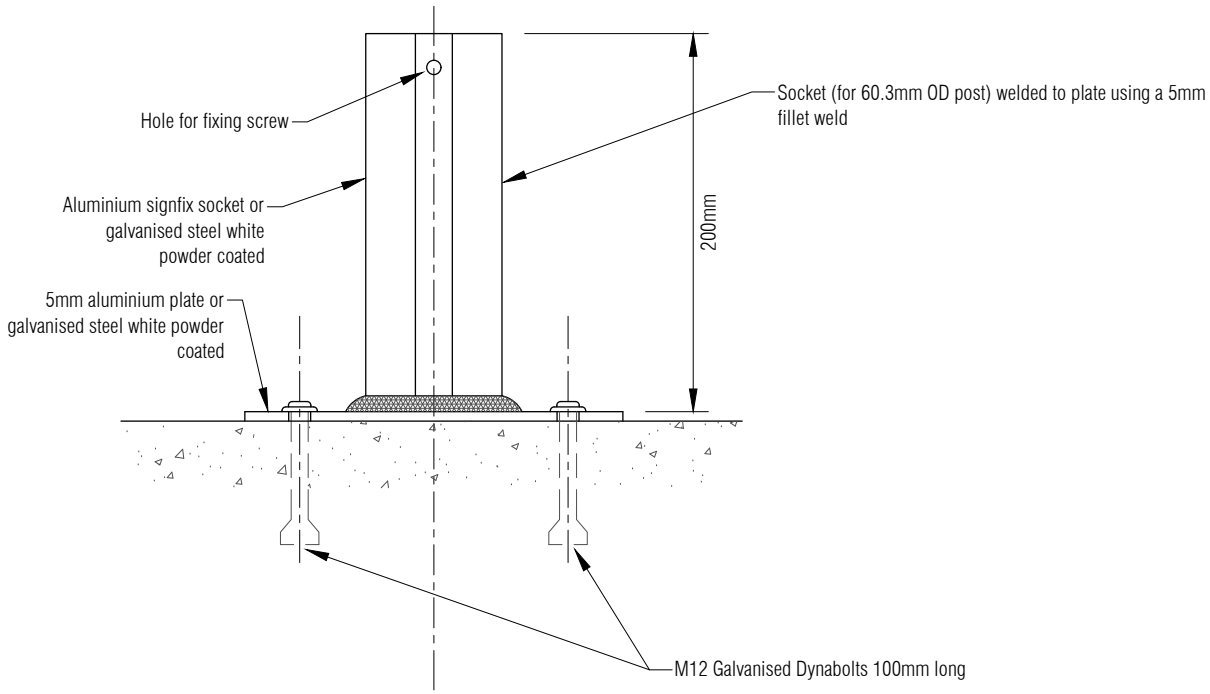
Date: 15/11/2024

SED No. SM0002

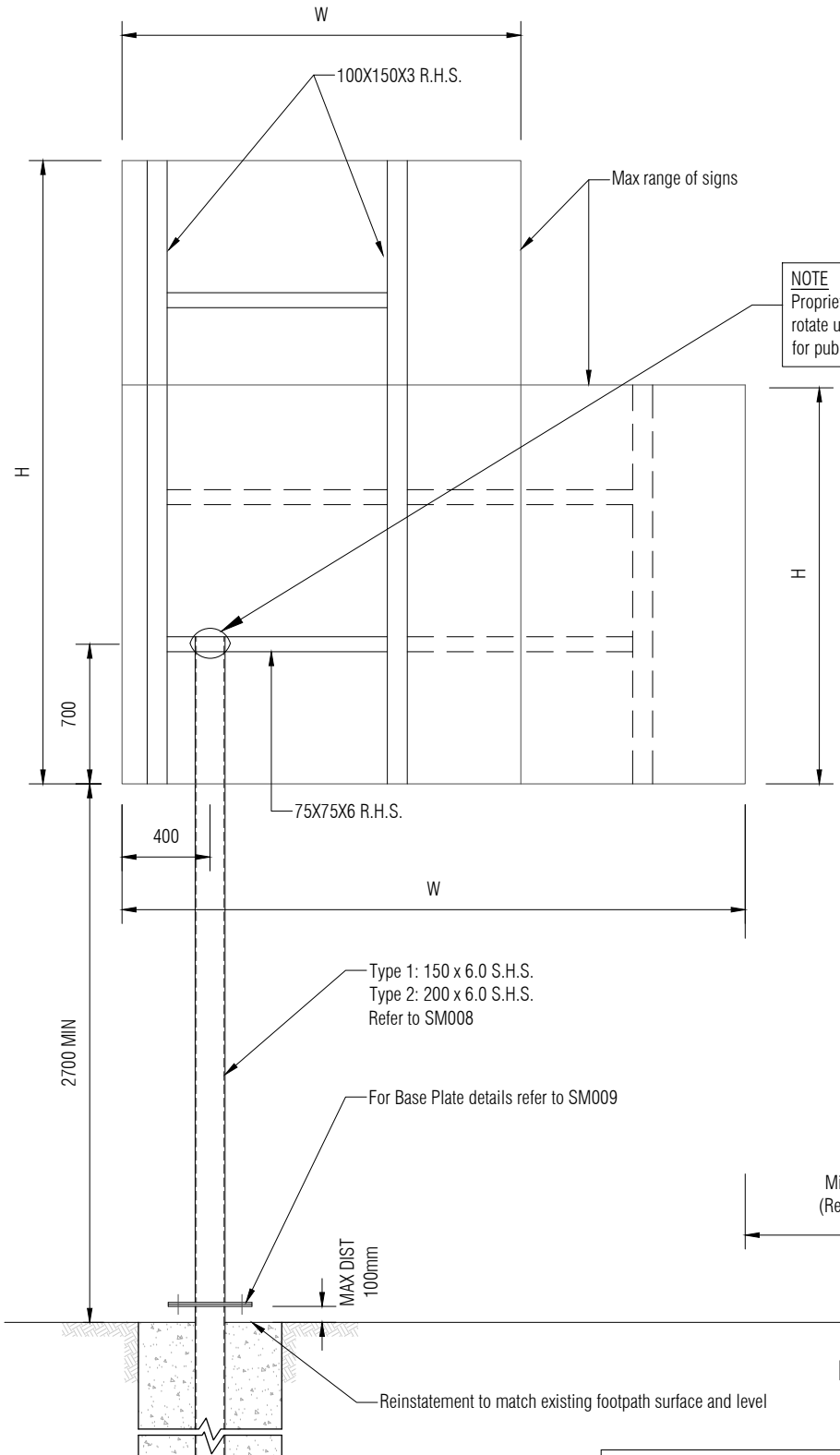
Version C



SURFACE MOUNT SOCKET
Must be used for securing to concrete bridges, etc. where no digging is permitted.
N.B. All components must be powder coated white



NOTE:
1. All products to be RSMA compliant.



NOTE
Propriety support and sign provided by sign provider to rotate under impact by high vehicle, leaving structure safe for public and undamaged for reinstatement

NOTES:
1. Minimum lateral clearance between the kerb face and edge of the sign to be 500mm.
2. Minimum lateral clearance between the edge of seal and edge of sign to be 600mm.
3. Minimum vertical clearance 2500mm
4. Specific structural design required for Sign, Sign fixings, posts, post-foundation connections and foundation.
5. Use in speed zones £ 70km/hr.
6. Locate pole as close as practical to boundary.
7. Maintain clear footpath width of 1.2m.

Guide sign schedule					
Sign	Sign Size	Medium		Tall	
	Max Sign Area	2.5 ≥ W/h ≥1.5		1.5 ≥ W/h ≥0.9	
	M^2	Max Width (w) m	Max Height (h) m	Max Width (w) m	Max Height (h) m
Type 1	6.25	3.4	1.65	2.55	2.65
Type 2	9.5	4	2.25	3.30	2.85

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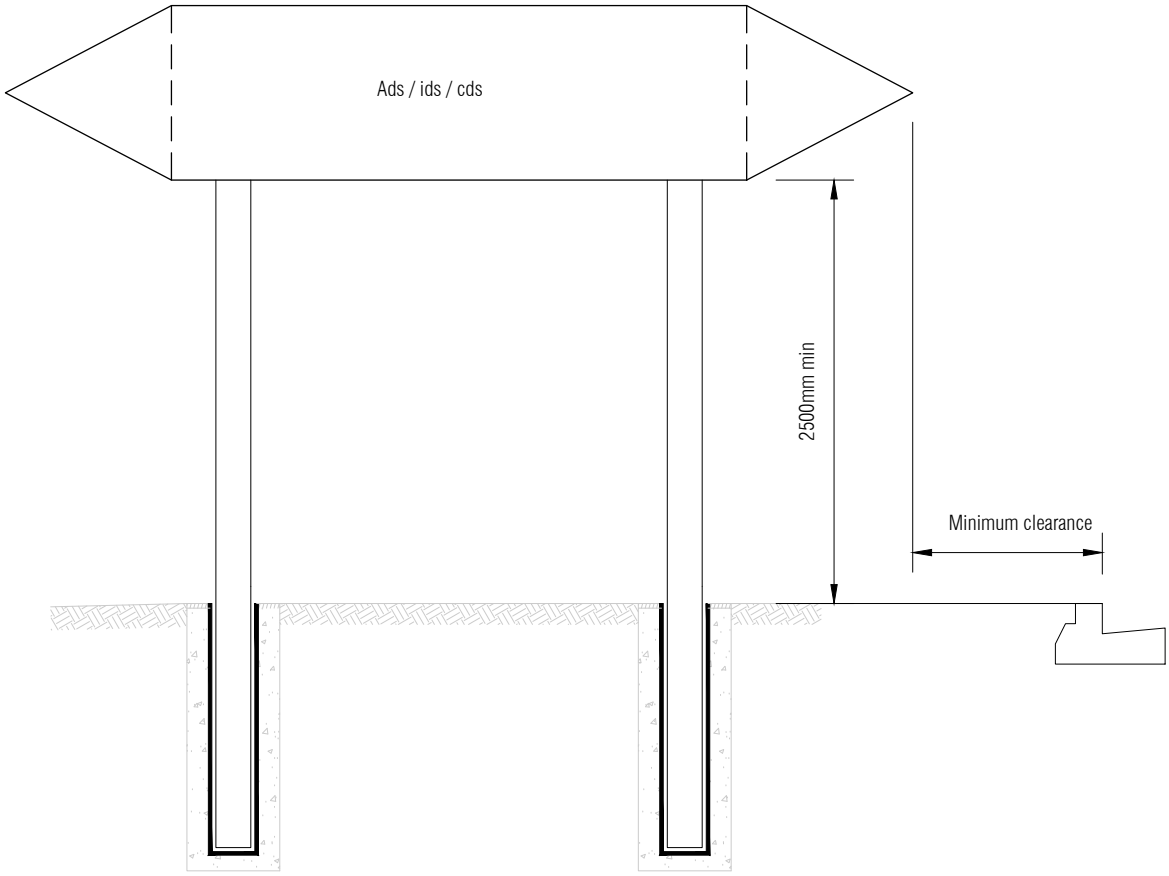
TDM TECHNICAL STANDARDS

Guide signs indicative single pole assembly

Date: 15/11/2024

SED No. SM0004

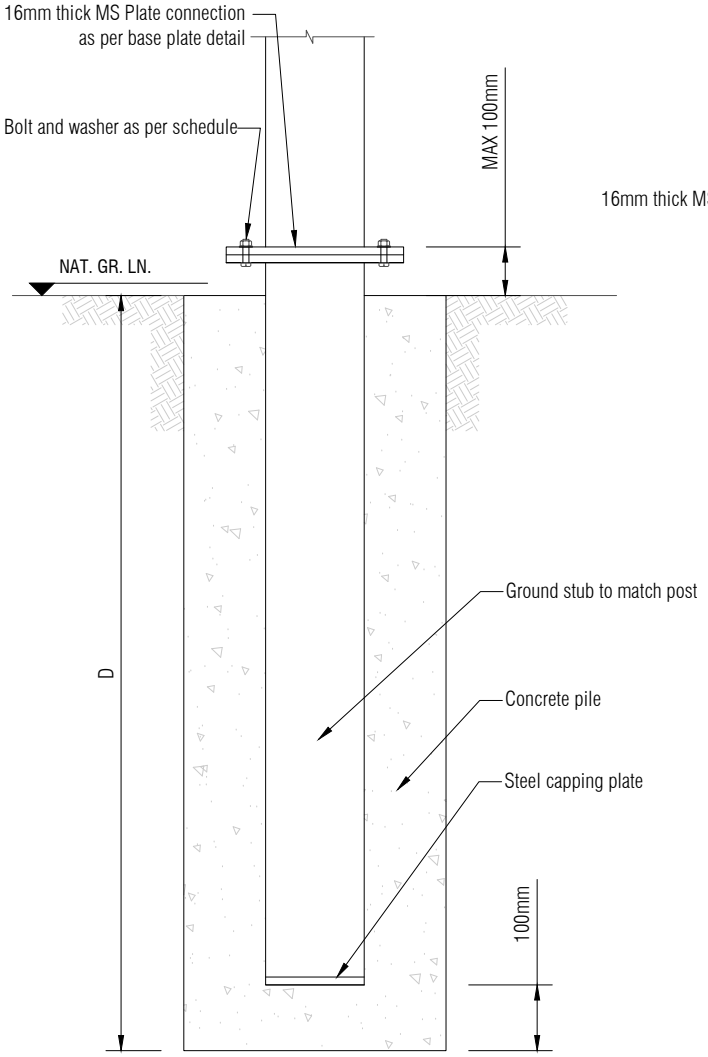
Version A



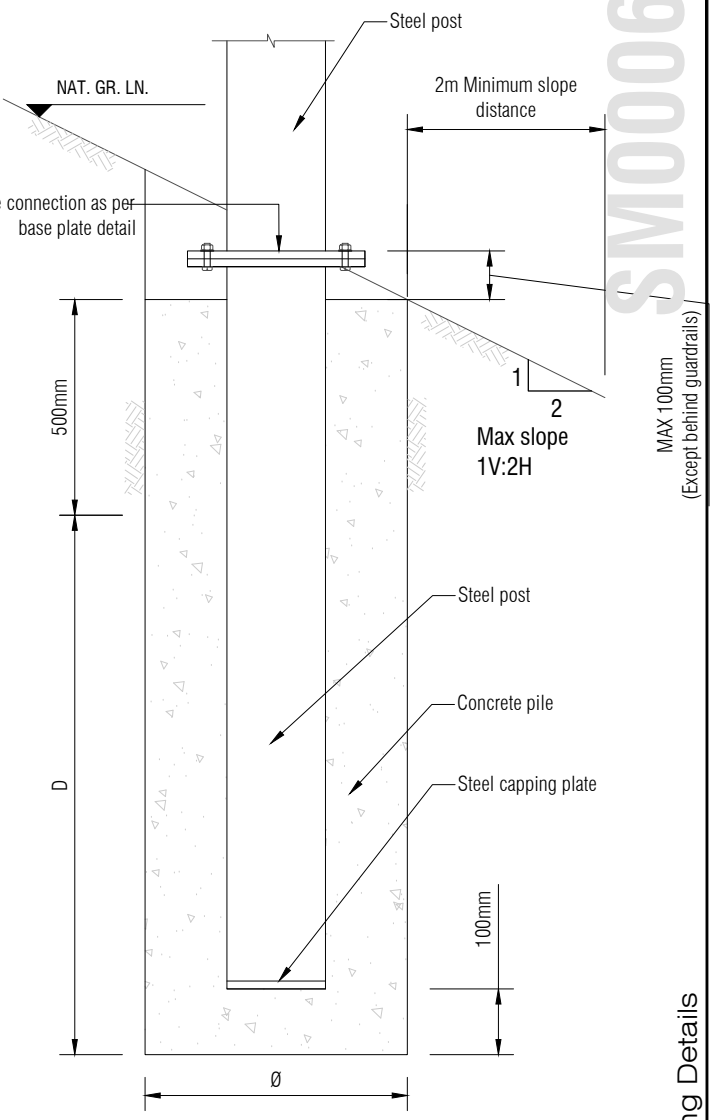
Post & footing selection (diameter & embedment depth) as per appendix b and c of the rsma compliance standard for traffic signs

NOTES:

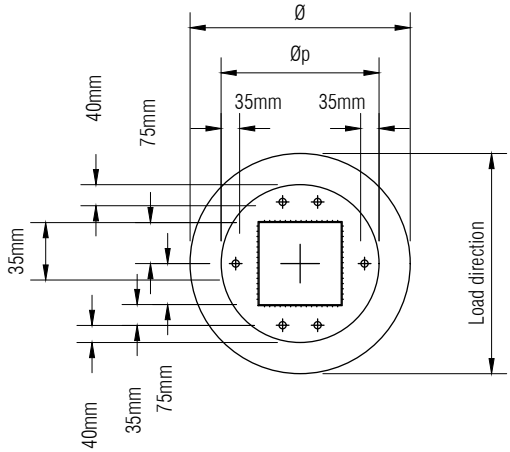
1. Minimum lateral clearance between the kerb face and edge of the sign to be 500mm.
2. Minimum lateral clearance between the edge of seal and edge of sign to be 600mm.
3. Minimum vertical clearance 2500mm in pedestrian area.
4. Minimum vertical clearance 2100mm on berm areas clear off footpaths and pedestrian.
5. Specific design required for sign, sign fixings, posts, post-foundation connections and foundation.



FOR LEVEL SITE



FOR SLOPING SITE



BASE PLATE DETAIL

DESIGN PARAMETERS:

1. Above signage has adequate strength and durability, and capable of transferring all design loads to the foundation.
2. Dependable undrained shear strength of soil = 50KPa
3. Nominal concrete strength of min 20 mpa.
4. regional wind speed, V100=41 M/S (Region A) - as per AS1170:2002
5. Terrain category 2 (for wind load derivation).
6. Foundation depth measure from cleared ground level.
7. No underground services within the zone of influence of the sign foundation.
8. All steel work to be h.d galv. grade 350
9. Welds 6mm fwar uno.
10. Fixing and washers to be hd galv.
11. Based on height to centre of sign of 4.2m
12. Specific design required for Sign, Sign fixings, Posts, Post-Foundation connections and Foundation.

FOUNDATION SCHEDULE

SIGN AREA	DIMENSION			BOLTS	POST
m^2	Depth (D) mm	Diameter(Ø) mm	Base plate Diameter (Øp)		
≤ 6.25	1600	600		6 - M16 8.8/S	150x6 SHS
≤ 9.5	1800	600		6 - M20 8.8/S	200X6 SHS

SM0006

Transport Design Manual | Standard Engineering Details

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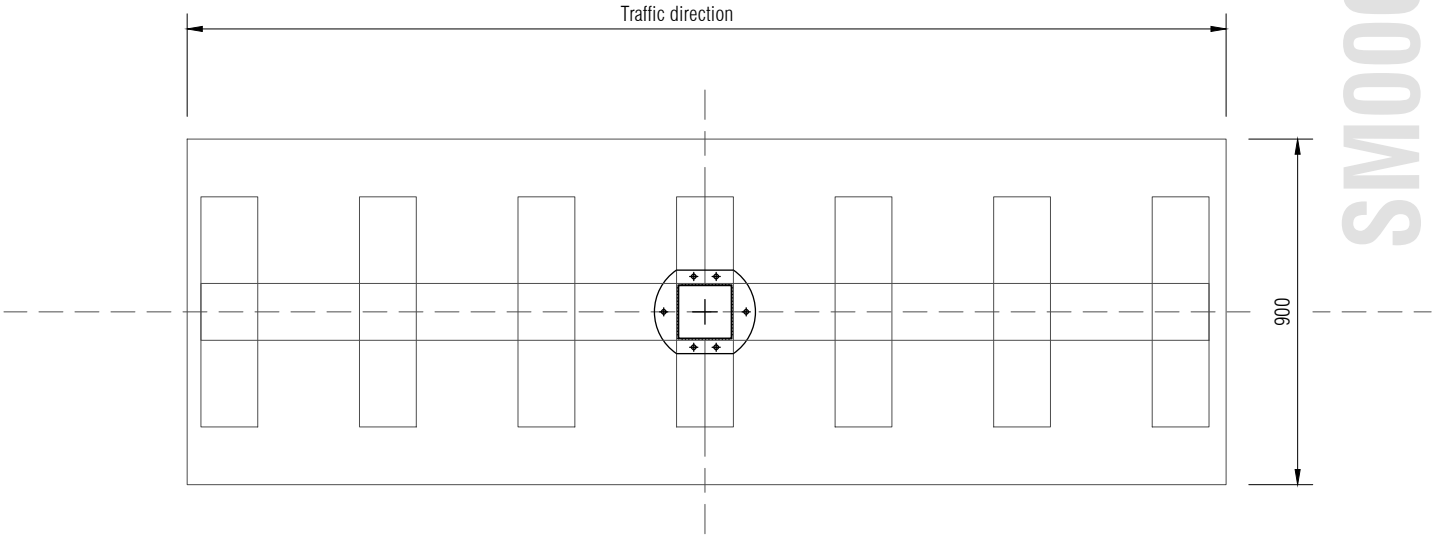
TDM TECHNICAL STANDARDS

Guide signs indicative single pole pile foundation

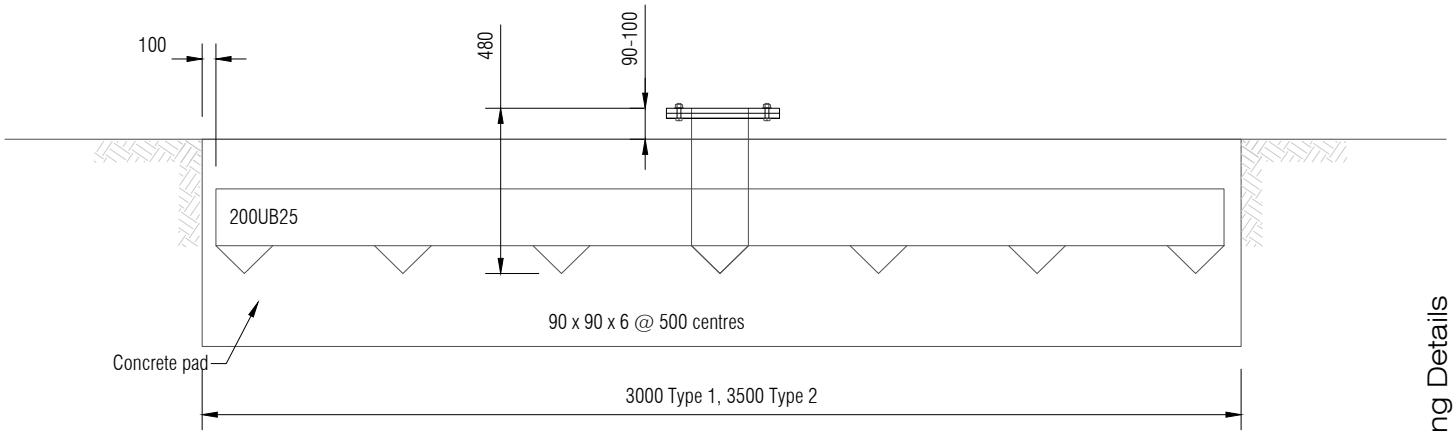
Date: 15/11/2024

SED No. SM0006

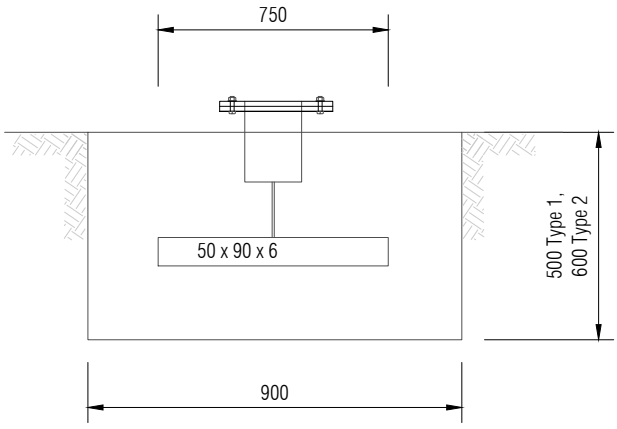
Version A



PLAN



SIDE



END

DESIGN PARAMETERS:

1. Above signage has adequate strength and durability, and capable of transferring all design loads to the foundation.
2. Dependable undrained shear strength of soil = 50KPa
3. Nominal concrete strength of min 20 mpa.
4. regional wind speed, V100=41 M/S (Region A) - as per AS1170:2002
5. Terrain category 2 (for wind load derivation).
6. Foundation depth measure from cleared ground level.
7. No underground services within the zone of influence of the sign foundation.
8. All steel work to be h.d galv. grade 350
9. Welds 6mm fwar uno.
10. Fixing and washers to be hd galv.
11. Based on height to centre of sign of 4.2m
12. Specific design required for Sign, Sign fixings, Posts, Post-Foundation connections and Foundation.

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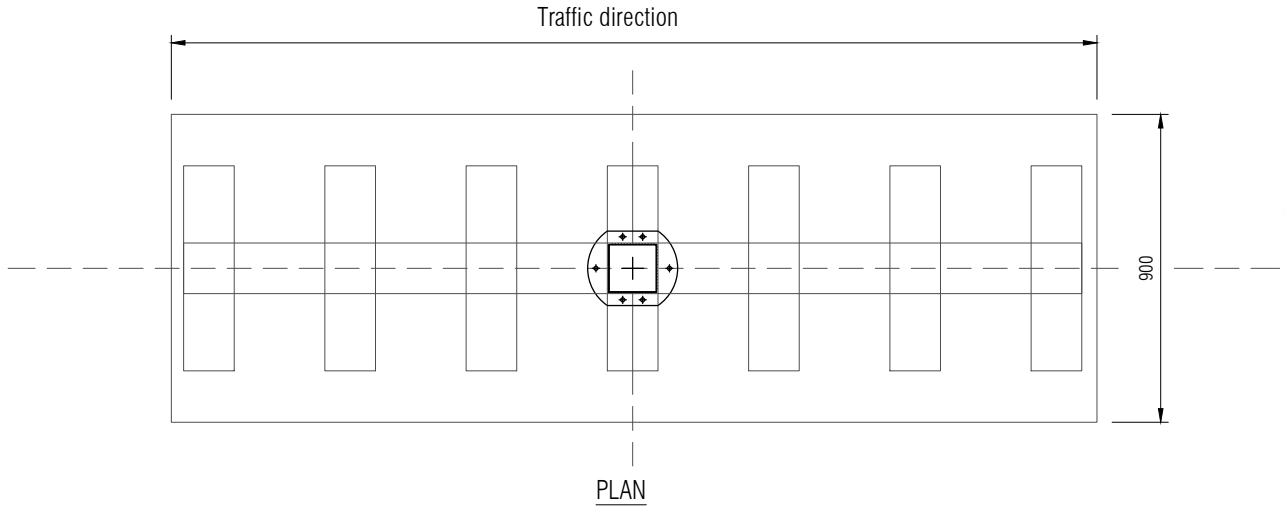
TDM TECHNICAL STANDARDS

Guide signs indicative single pole pad foundation

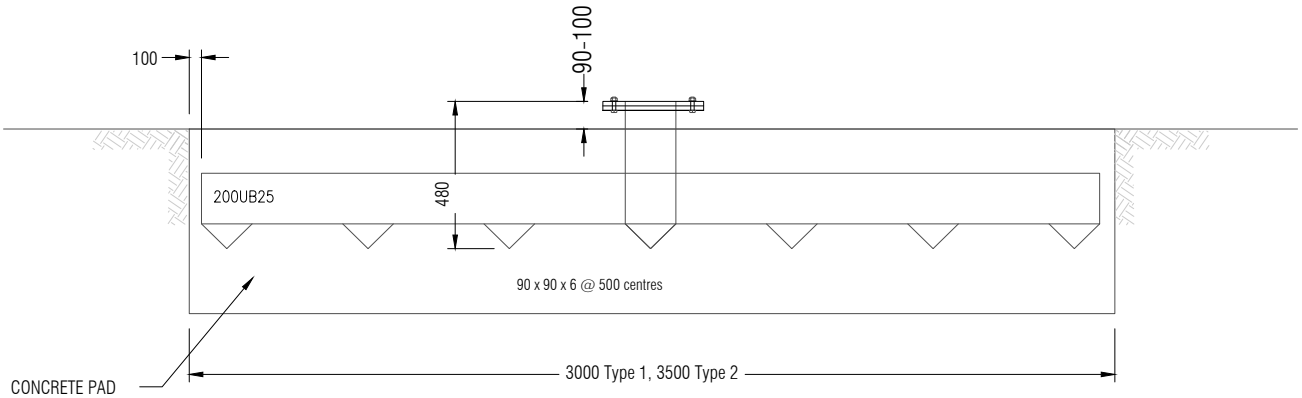
Date: 15/11/2024

SED No. SM0007

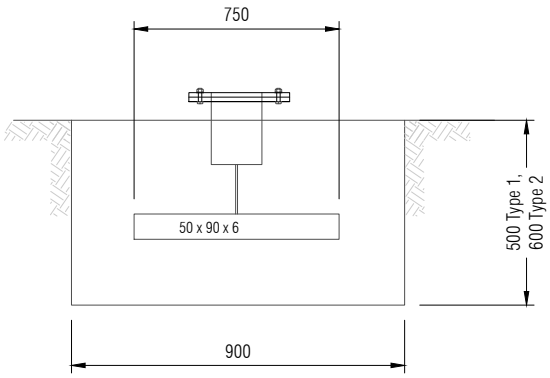
Version A



PLAN



SIDE



END

DESIGN PARAMETERS:

1. Above signage has adequate strength and durability, and capable of transferring all design loads to the foundation.
2. Dependable undrained shear strength of soil = 50KPa
3. Nominal concrete strength of min 20 mpa.
4. regional wind speed, V100=41 M/S (Region A) - as per AS1170:2002
5. Terrain category 2 (for wind load derivation).
6. Foundation depth measure from cleared ground level.
7. No underground services within the zone of influence of the sign foundation.
8. All steel work to be h.d galv. grade 350
9. Welds 6mm fwar uno.
10. Fixing and washers to be hd galv.
11. Based on height to centre of sign of 4.2m
12. Producer statement(s) required

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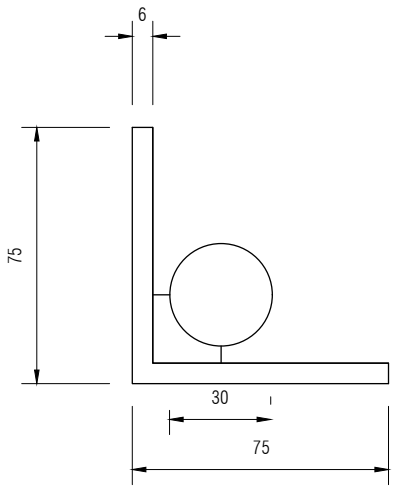
TDM TECHNICAL STANDARDS

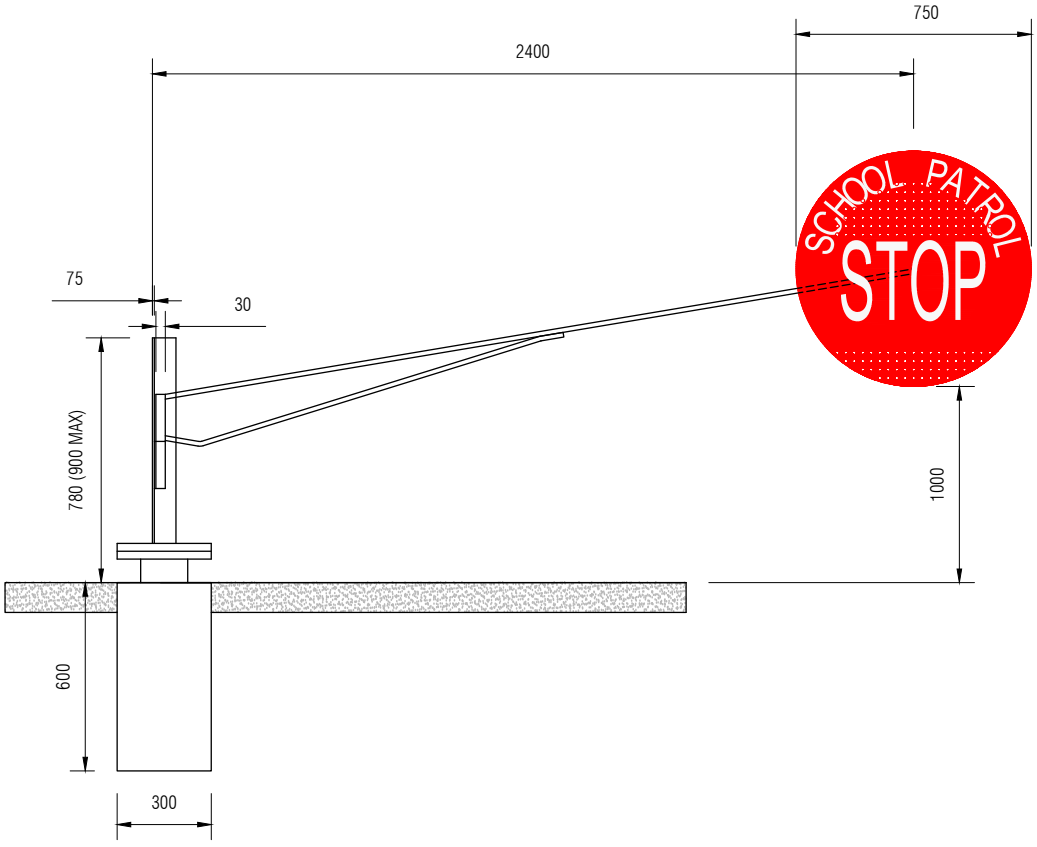
Guide signs monopole pad foundation

Date: 15/11/2024

SED No. SM0008

Version A





NOTES:

1. All dimentions in mm unless otherwise stated
2. RG-28 ('school patrol stop') sign must be as per NZTA 'priority school patrol perforated' sign detail