

DRAWING SET INDEX

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REVISION	BY	DATE
Draft - UPDATED DAWING SET	MD	09/13



AUCKLAND TRANSPORT
CODE OF PRACTICE

TITLE

**TRAFFIC SIGNS &
ROAD MARKINGS**

SCALE:
N.T.S.

DRAWING No.
SM000

VERSION
2.0

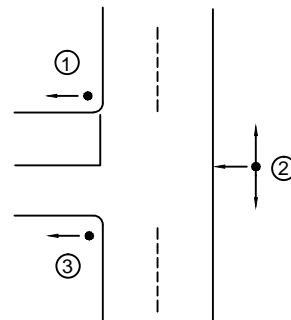
T intersections of: (a) minor road with minor road, or (b) minor road with undivided major road

The name of the side road should be provided at position (1)

If visibility of the minor side road street name sign is limited or the through road is a major road, an additional street name at position (2) may be installed.

When the through road is an undivided major/arterial and the visibility is restricted an additional street name sign may also be provided at position (3).

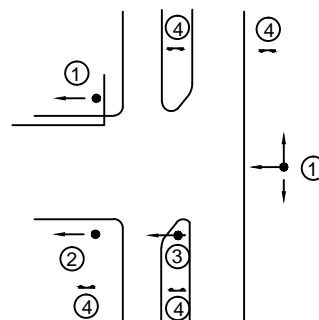
Signing the name of the through road is optional at position (2).



T intersections of divided road with major side road

The divided road name and the minor street name should always be provided at positions (1). If visibility is limited, additional street names signs should be installed at position (2) or (3).

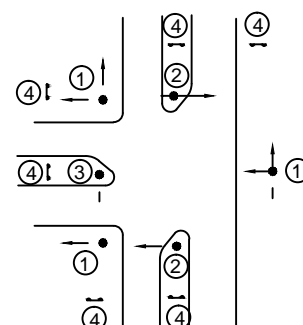
For major side roads, advance street name signs or street name signs incorporated into advance direction guide signs should be provided at positions (4). Note position (4) sign location will depend on the width of median island and if there is insufficient width, the sign will need to be mounted on the left-hand side approach to intersection.



T intersections of two divided roads

Signs for both divided roads should be provided at positions (1). On multi-lane approaches, an additional side road sign may also be provided at position (2). If the name of the through route changes an additional sign may be provided at position (3).

Advance street name signs or street name signs incorporated into advance direction guide signs should be provided at position (4). Note position (4) sign location will depend on width of median island and if there is insufficient width the sign will need be mounted on the left-hand side approach to intersection.



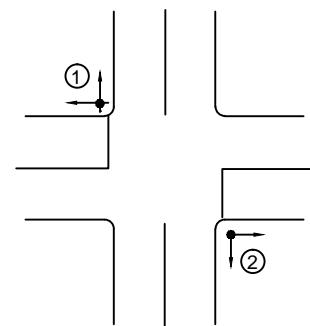
Cross intersections of: (a) minor road with minor road, (b) minor road with major road, and (c) cross intersections of undivided major roads

Street name signs showing the name of each road at position (1) is generally sufficient.

If the visibility of these signs is limited, additional street name signs at position (2) may be installed.

If the names of one or more of the roads change, an additional street name sign or signs should be provided at position (2).

If the major road has a guide sign system that shows the through road name (or route number) of the major road on the intersection destination signs, then a street name sign for the major route is optional and is not normally installed.



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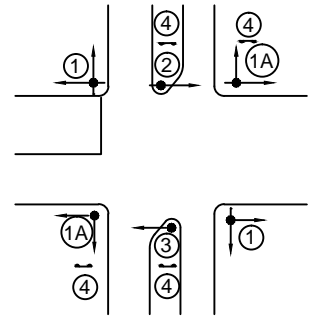
AUCKLAND TRANSPORT CODE OF PRACTICE	
TITLE	STREET NAME SIGN LAYOUTS SHEET 1

SCALE:	N.T.S.
DRAWING No.	SM001
VERSION	1.0

Cross intersections of divided road with major side road

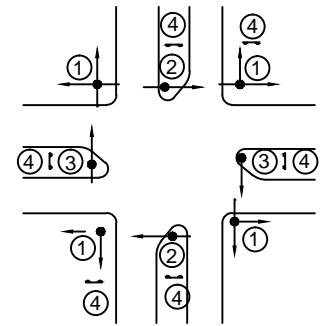
Street name signs for the divided road should be provided at positions (1) or if visibility is limited, additional street signs should be installed at position (1A). If the street name changes at the intersection, additional signs may be provided at positions (2) and (3).

For major side roads, advance street name signs or street name signs incorporated into advance direction guide signs should be provided at position (4). Note position (4) sign location will depend on the width of the median island and if there is insufficient width, the sign will need to be mounted on the left-hand side approach to intersection.



Cross intersections of two divided roads

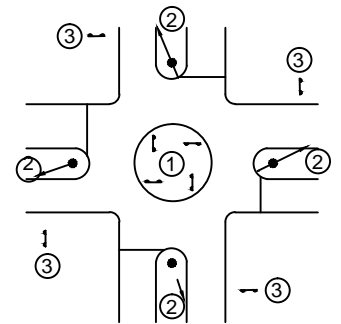
Signs for both divided roads should be provided at positions (1). If either street name changes, additional signs may be provided at positions (2) or (3) as appropriate. Advance street name signs or street name signs incorporated into advance direction guide signs should be provided at positions (4). Note position (4) sign location will depend on the width of median island and if there is insufficient width, the sign will need to be mounted on the left-hand side approach to intersection.



Roundabouts – single lane

Street name signs mounted on chevrons can be provided at positions (1) on the central island of single-lane roundabouts. On roundabouts with sufficient width on the splitter islands street name signs may also be installed at position (2).

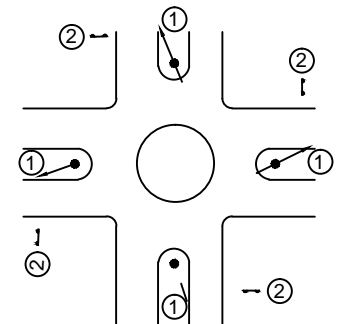
Position (3) is an alternative location that can be utilised if there is no splitter island. At both positions (2) and (3) the signs should be readily visible to circulating traffic and should not obstruct sight distance for entering traffic.



Roundabouts – multi-lane

Street name signs should be installed at position (1) within splitter islands on multi-lane roundabouts. The street name signs may be installed on top of intersection guide signs on major roads.

Position (2) is an additional location for street name signs and should be considered on multi-lane roundabouts where visibility of signs at position (1) may be obstructed by circulating traffic. Signs located at positions (1) and (2) should be located so that they are readily visible to circulating traffic, and do not obstruct sight distance for entering traffic.



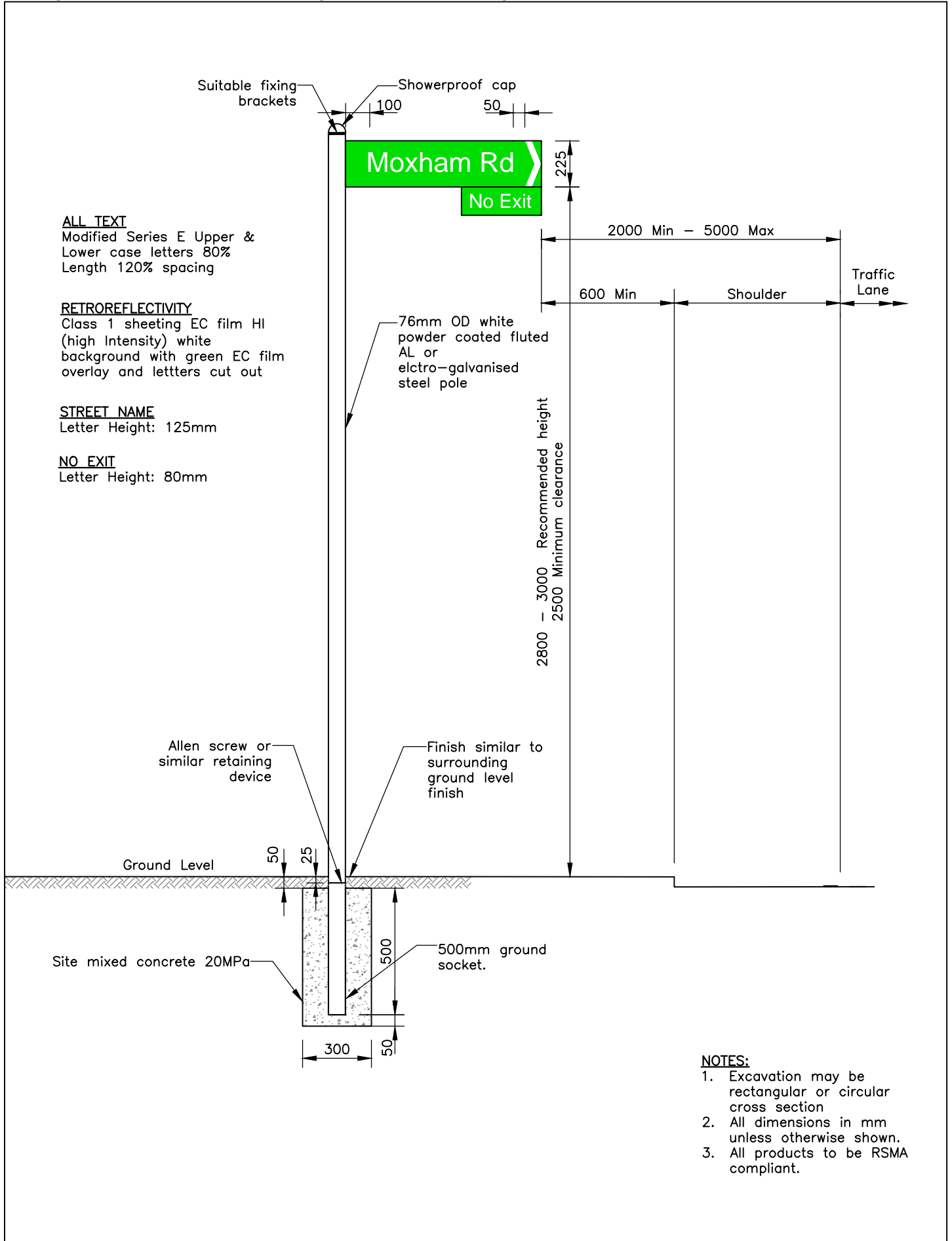
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AUCKLAND TRANSPORT CODE OF PRACTICE	
TITLE	STREET NAME SIGN LAYOUTS SHEET 2

SCALE:	N.T.S.
DRAWING No.	SM002
VERSION	1.0

Drawing set for Chapter 10 - Traffic Signs and Road Markings



- 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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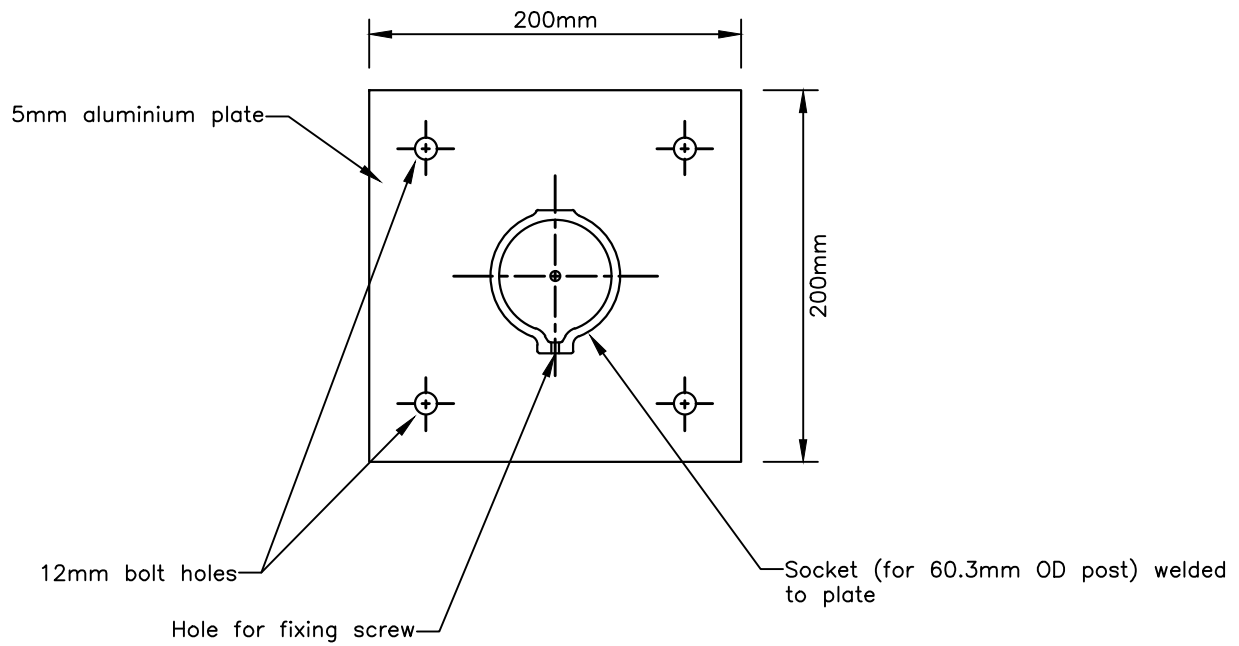


AUCKLAND TRANSPORT
 CODE OF PRACTICE

TITLE **STREET NAME SIGNS
 ON LOCAL &
 COLLECTOR ROADS**

SCALE:	N.T.S.
DRAWING No.	SM004
VERSION	1.0

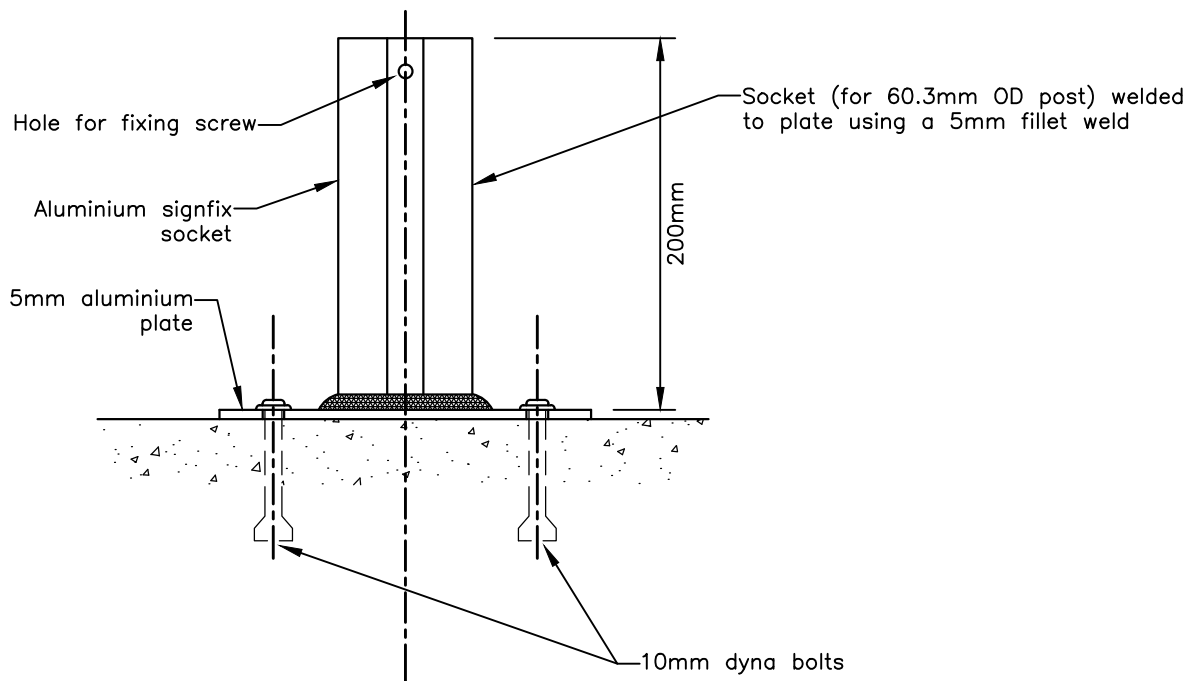
Drawing set for Chapter 10 - Traffic Signs and Road Markings



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.

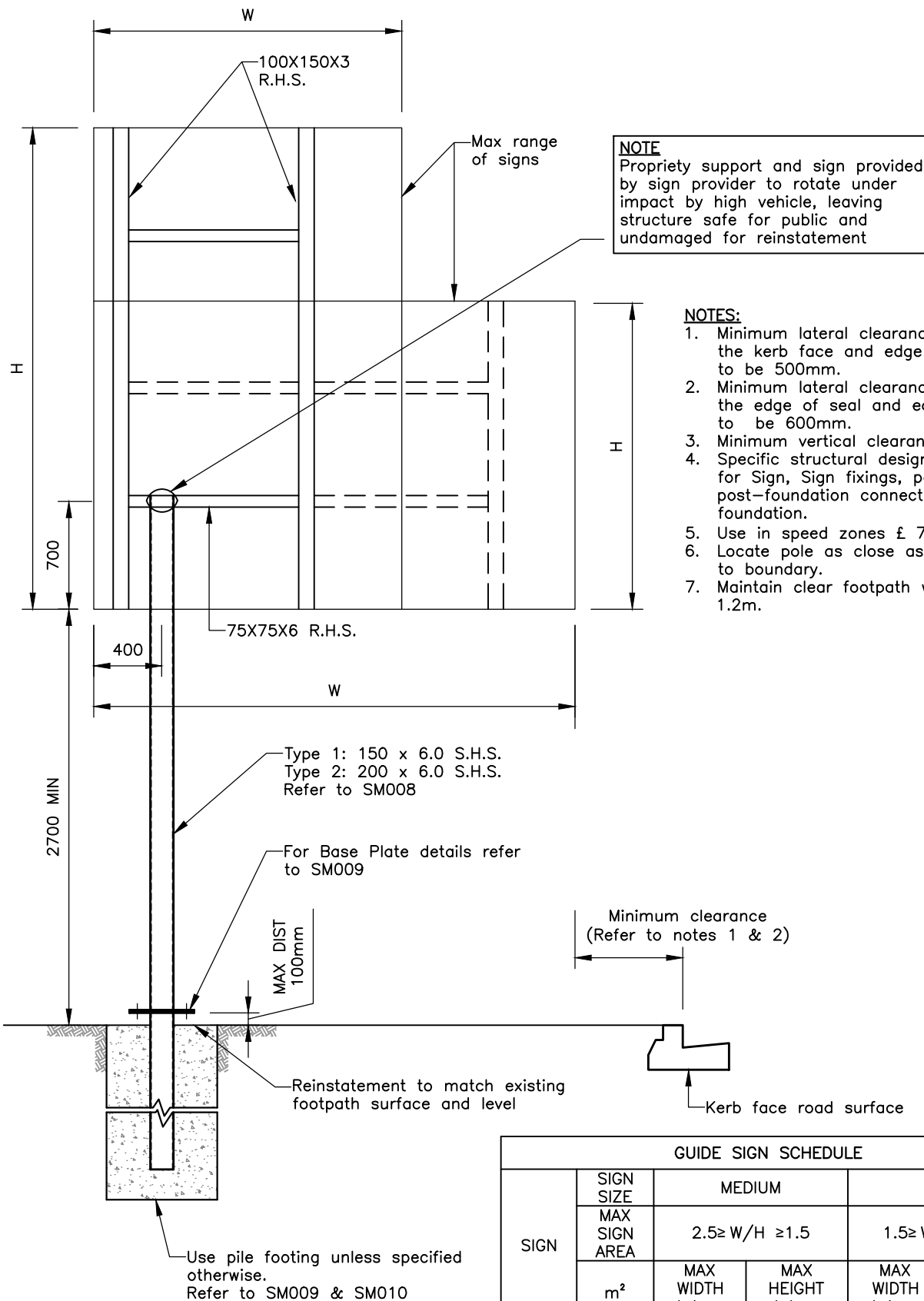
REVISION	BY	DATE
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AUCKLAND TRANSPORT CODE OF PRACTICE	
TITLE	SURFACE MOUNT SOCKET

SCALE:	N.T.S.
DRAWING No.	SM005
VERSION	1.0

Drawing set for Chapter 10 - Traffic Signs and Road Markings



GUIDE SIGN SCHEDULE					
SIGN	SIGN SIZE	MEDIUM		TALL	
	MAX SIGN AREA	$2.5 \geq W/H \geq 1.5$		$1.5 \geq W/H \geq 0.9$	
	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

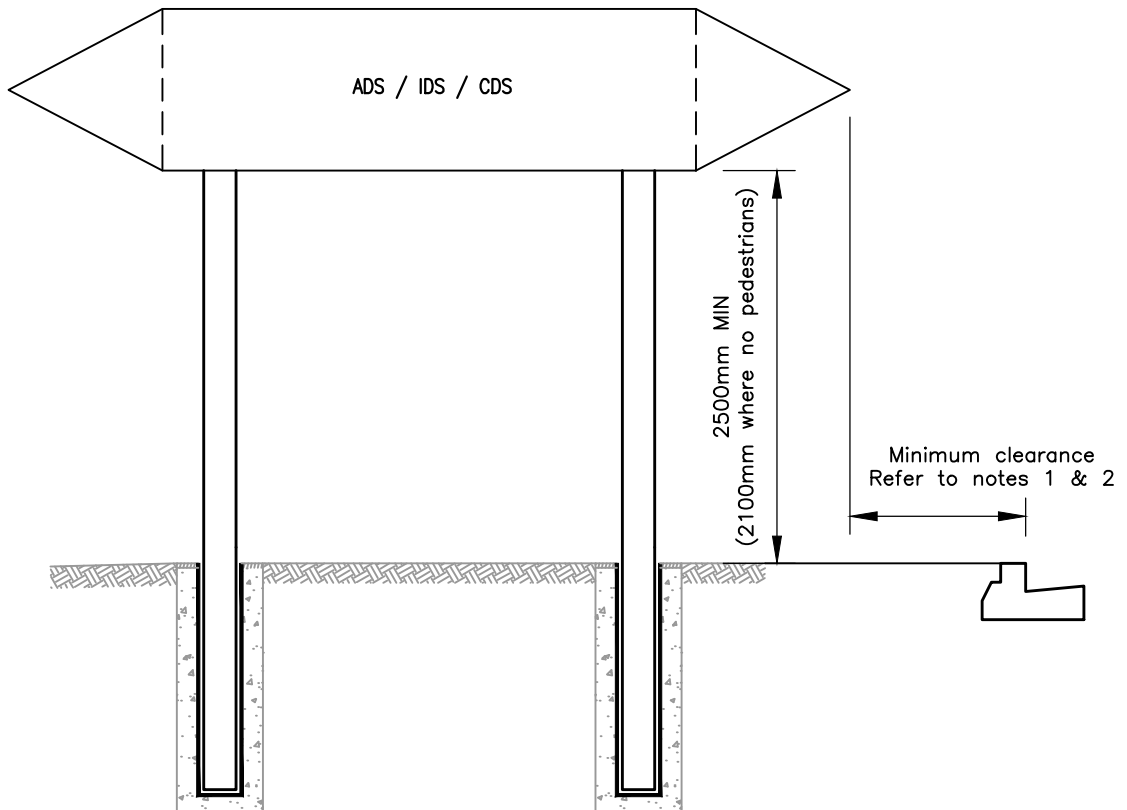
REVISION	BY	DATE
Updated	MD	06/13



AUCKLAND TRANSPORT
CODE OF PRACTICE

TITLE **GUIDE SIGNS
INDICATIVE SINGLE POLE ASSEMBLY**

SCALE: N.T.S.
DRAWING No. SM006
VERSION 2.0



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.

REVISION	BY	DATE
Amended	MD	06/13

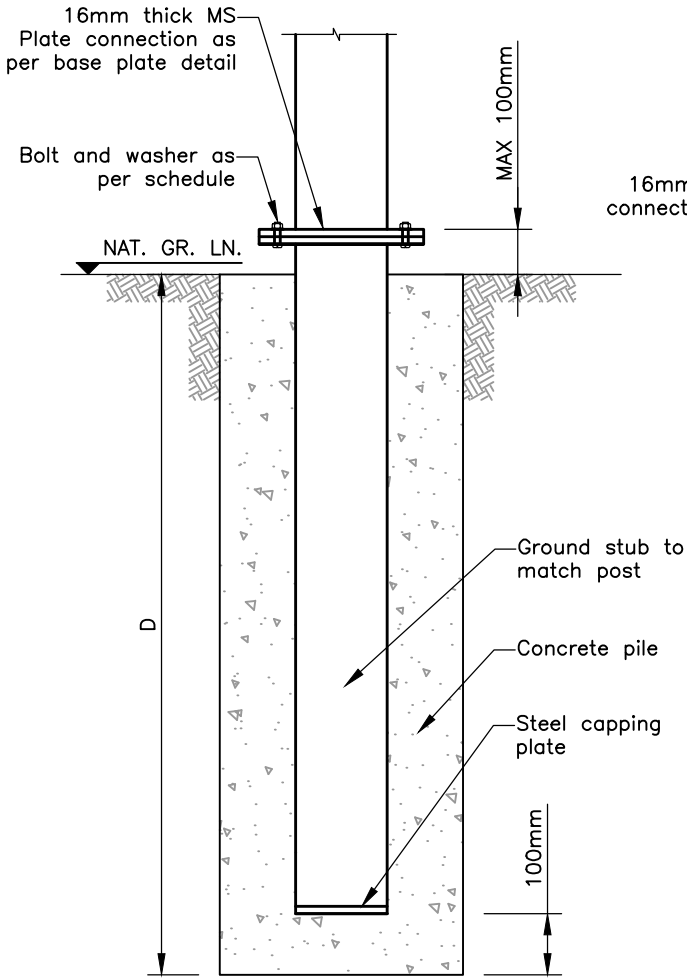


AUCKLAND TRANSPORT
CODE OF PRACTICE

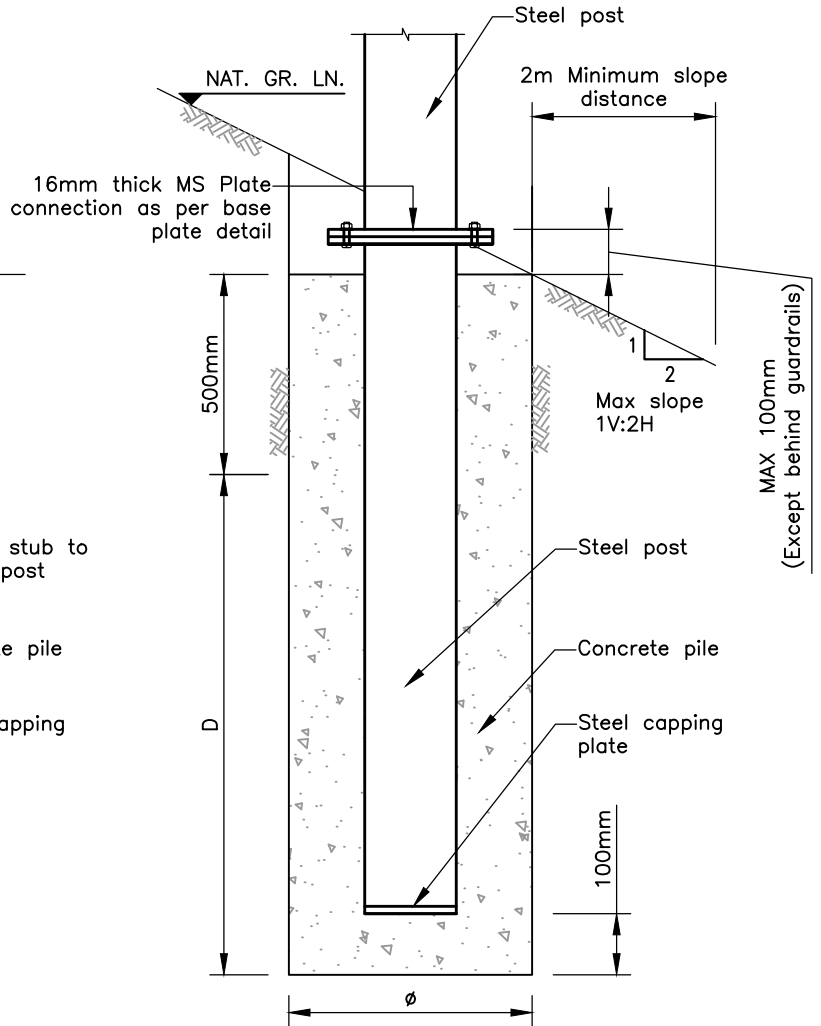
TITLE **GUIDE SIGNS
INDICATIVE MULTIPOLE ASSEMBLY**

SCALE:	N.T.S.
DRAWING No.	SM007
VERSION	2.0

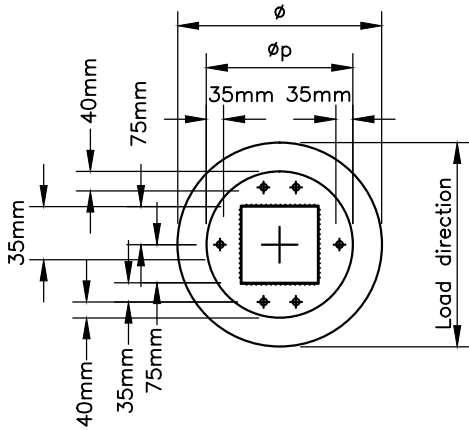
Drawing set for Chapter 10 - Traffic Signs and Road Markings



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, $V_{100}=41$ 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 m ²	DIMENSION			BOLTS	POST
	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

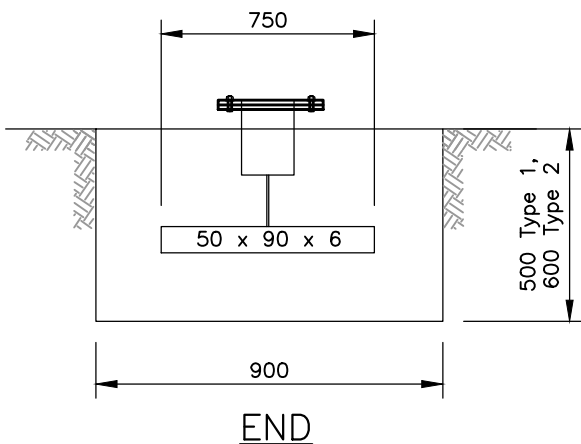
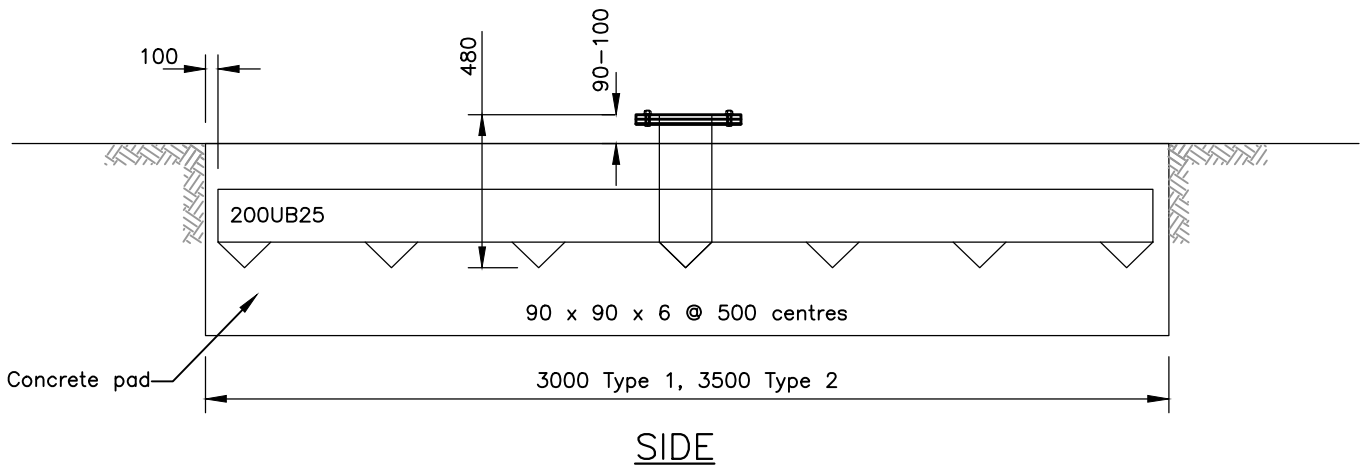
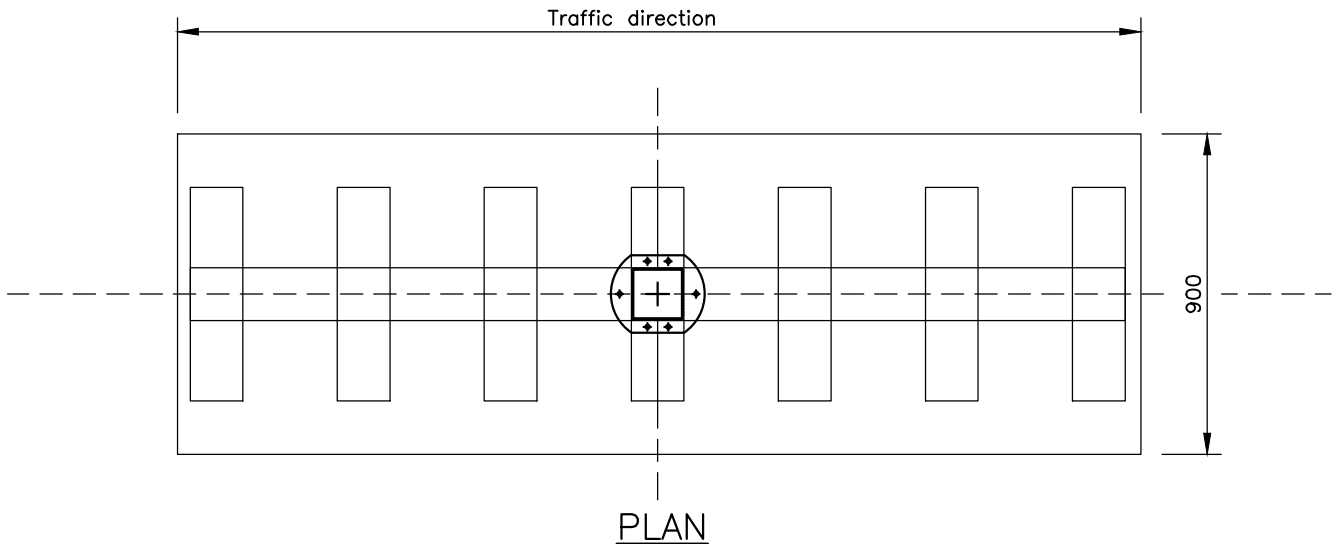
REVISION	BY	DATE
Amended	MD	06/13



AUCKLAND TRANSPORT
CODE OF PRACTICE

TITLE
**GUIDE SIGNS
INDICATIVE SINGLE POLE
PILE FOUNDATION**

SCALE:	N.T.S.
DRAWING No.	SM008
VERSION	2.0



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.

REVISION	BY	DATE
Amended	MD	06/13



AUCKLAND TRANSPORT
CODE OF PRACTICE

TITLE
**GUIDE SIGNS
INDICATIVE SINGLE POLE
PAD FOUNDATION**

SCALE:	N.T.S.
DRAWING No.	SM009
VERSION	2.0