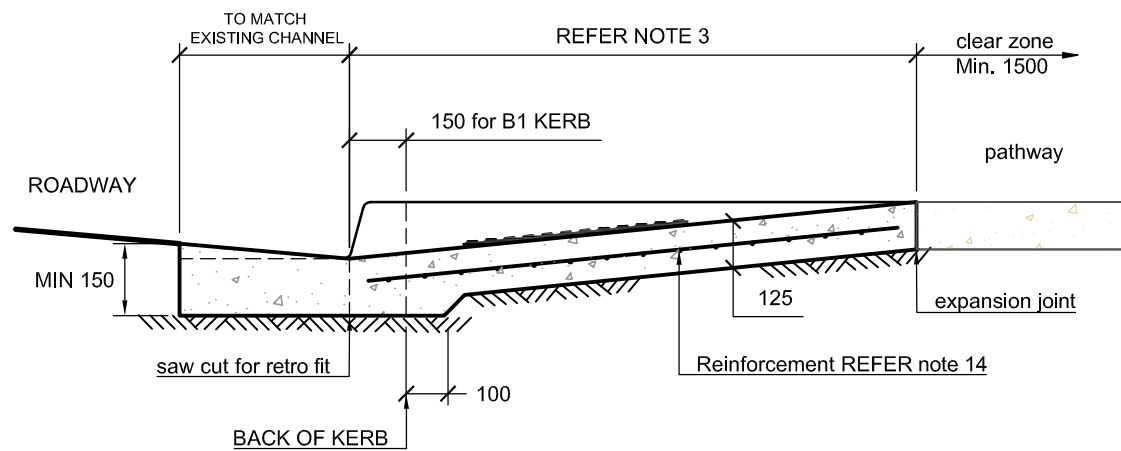


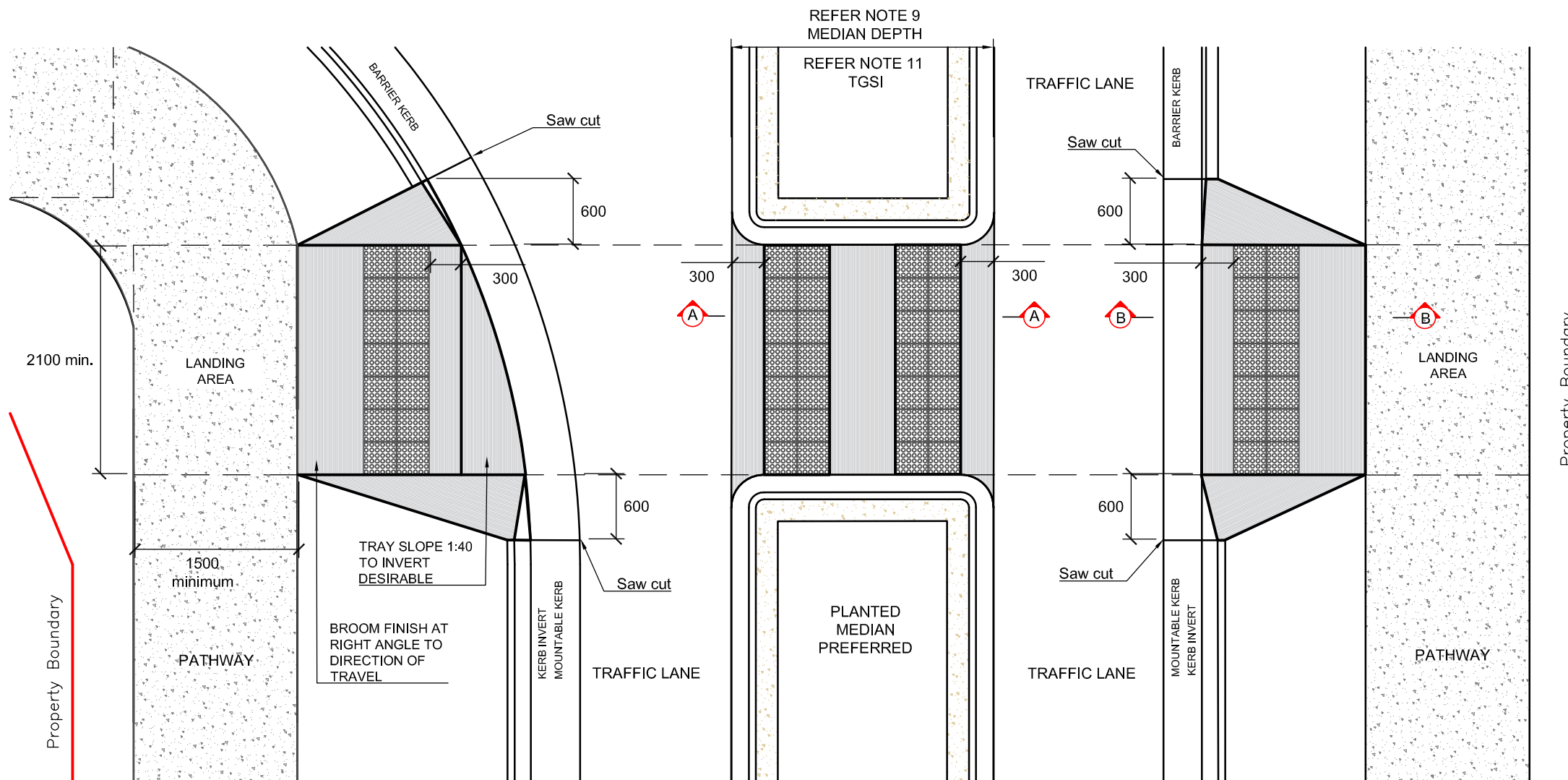
**REFUGE SLAB
SECTION A-A**

N.T.S.



**KERB RAMP
SECTION B-B**

N.T.S.



PLAN VIEW

N.T.S.

DRAFT

This drawings is currently in development.
BEFORE USE, the user shall confirm that the drawing has been adopted by the Council.

NOTES

KERB RAMP NOTES

1. LOCATION: Kerb ramps shall be located as shown on the construction plans or as directed by the engineer.
2. KERB RAMP WIDTH: Minimum 2100mm. Refer to project drawings for widths on trunk pathway networks.
3. KERB RAMP GRADE: The ramp slope shall be as shallow as the site will permit preferably 1 in 15 with a maximum slope of 1 in 10.
4. KERB RAMP ALIGNMENT: Ramps on both sides of a carriageway shall be aligned with one another, Ramps shall be aligned perpendicular to roadway.
5. LANDING AREA: The top of the ramp shall have a minimum of 2100mm wide and 1500mm deep obstruction free zone.
6. SHARP TRANSITIONS: A sharp transition (no rounding) shall be created at the intersection of graded plane surfaces (top and bottom of ramp and intersection of ramp and wings). The transitions at the top and bottom of ramps shall be perpendicular to the pedestrian direction of travel.
7. KERB RAMP WINGS: Shall be 600mm wide wing at kerb invert.

PEDESTRIAN REFUGE NOTES

8. REFUGE WIDTH: The cut-through width should match the width of the kerb ramp.
9. REFUGE DEPTH: Preferred minimum 2400mm to allow sufficient spacing between TGSIs.
10. REFUGE ALIGNMENT: The refuge shall be aligned with Ramps on both sides of a carriageway and perpendicular to the roadway.
11. TGSi RELAXATION: Where refuge depth <2400mm the depth of the warning TGSi may be reduced to 300mm, subject to Council Approval.

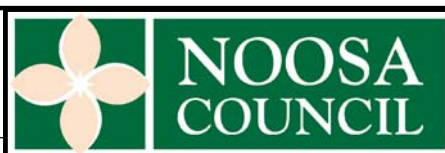
CONCRETE REQUIREMENTS

12. CONCRETE: To be PLAIN Class N32 / 10 concrete AS/NZS 1379 and AS/NZS 3600 with a maximum slump of 80. Ramp to be cast monolithically with the channel or tray, unless the ramp is retrofitted.
13. CONCRETE FINISH: A broom finish at right angle to the direction of travel shall be applied to the ramp and wings, to provide slip resistant finish as specified in AS/NZS 4586 - Slip resistance for new pedestrian surface materials.
14. REINFORCEMENT: Shall comply with AS/NZS 4671 with a minimum cover of 50mm.
 - 14.1. Use SL72 for kerb ramp & refuge slab width less than 3000mm
 - 14.2. Use SL82 for kerb path & refuge slab width greater than 3000mm

TACTILE GROUND SURFACE INDICATORS (TGSi)

15. VISUAL CONTRAST: Shall be BLACK poly adhesive TGSi on PLAIN concrete.
16. WARNING TGSi: Shall be placed perpendicular to the direction of travel 600mm deep shall be placed 300mm from the hazard at the closest point.
17. DIRECTIONAL TGSi: The detectable edge of a paved pathway or cut through island will be cues to aid people with a vision impairment. Directional TGSi shall be installed on the pathway to indicate the presence and direction to the kerb ramp at bus stops only.
18. Refer to AS/NZS 1428.4 Design for access and mobility - Tactile Ground Surface Indicators.
19. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SHOWN OTHERWISE.

E	02/16	CURRENT REVIEW		
D	03/08	A3 PAGE		
C	07/06	MOUNTABLE KERB		
B	09/97	RAMP LENGTH/SLOPE		
A	09/93	ORIGINAL ISSUE		
Rv	DATE	REVISIONS	DATE	CHECKED



NOOSA SHIRE COUNCIL
STANDARD DRAWINGS

KERB RAMP AND PEDESTRIAN
REFUGE

SD: 9006

E
D
C
B
A
Rv