

Road Access Location
 Near the north western boundary of Lot 410PTD2091, and
 approx 50m west of Owen Street (5.49km LHS)
 E 145.465318, N -16.483793


Access Restrictions
 Design vehicles up to a maximum size short sedan - Class 1
 Short Length Light Vehicle** for urban allotment.
 Note: ** as described in Austroads Vehicle Classification System

Access to be permanently removed
 Approx 5m from the north western boundary
 and approx 45m west of Owen Street

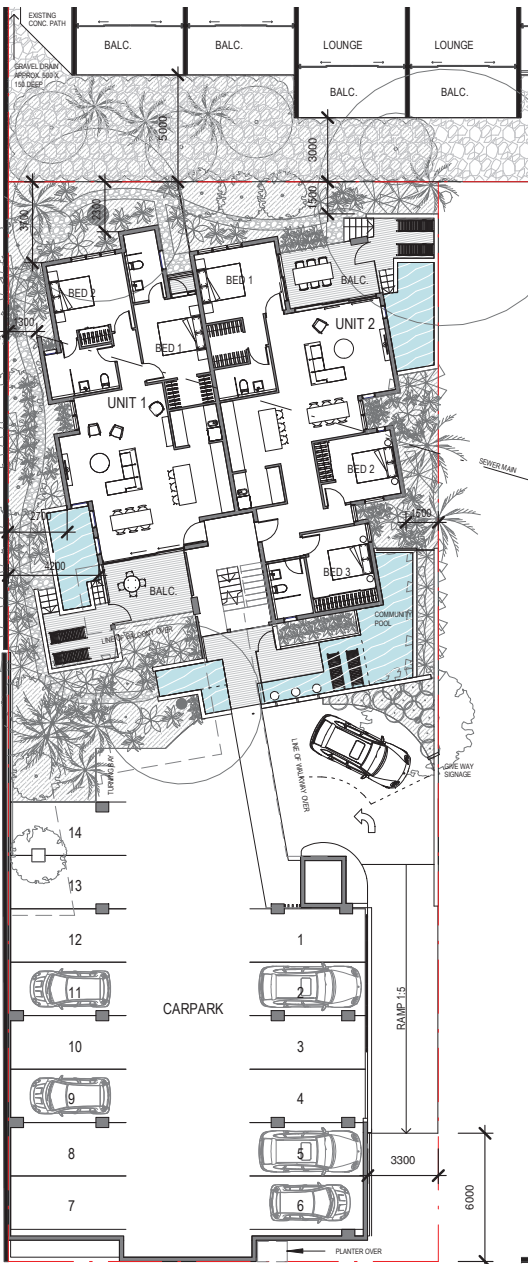
410PTD2091

Branch/Unit : Corridor Management/Far North Region
Projection/Datum : Geocentric Datum of Australia (GDA) 1994
<ul style="list-style-type: none"> ——— PROPERTY BOUNDARY ——— SUBJECT LAND - - - - ROAD ACCESS DRIVEWAY

**TMR Layout Plan
 (6504 - 5.49km)**

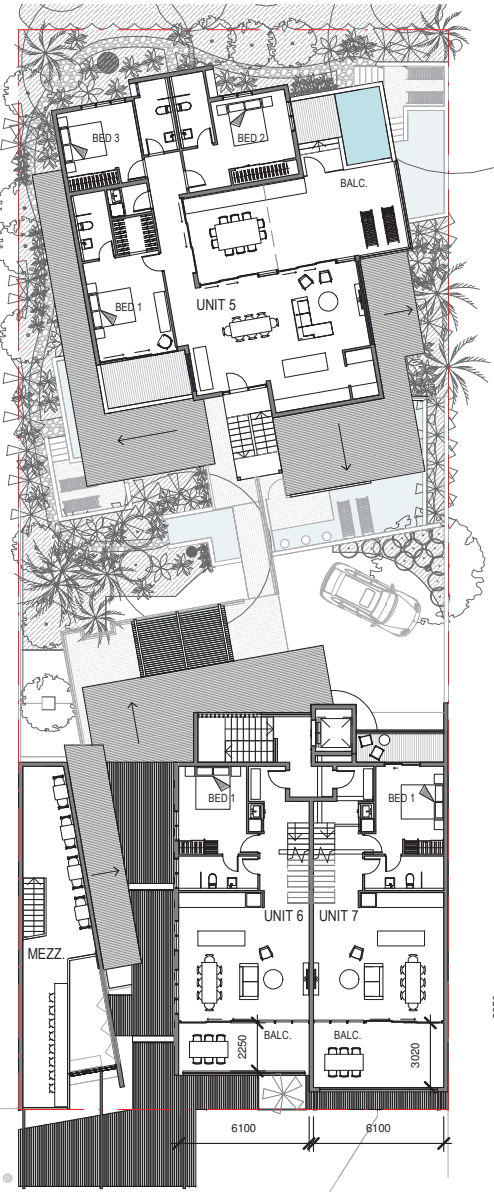
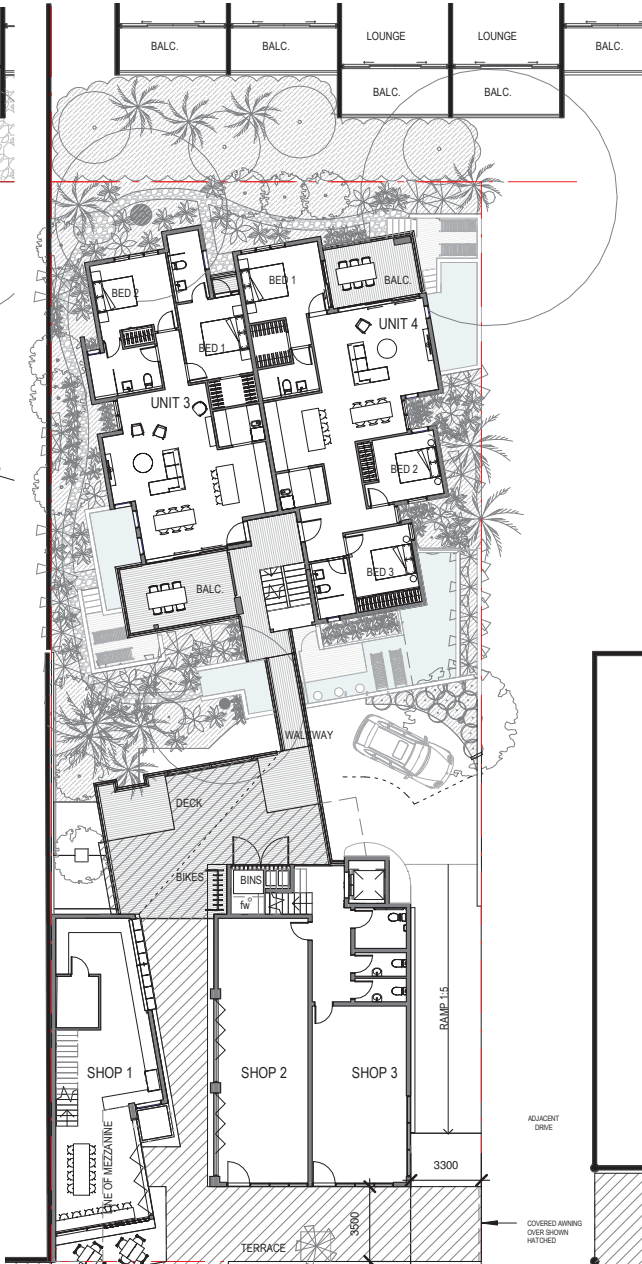
 Queensland Government Transport and Main Roads		
Plan No: 1 / 1	Issue: A	Date: 08/01/2018
Drawn by: RPK	File ref: TMR17-22871 (500-1184)	

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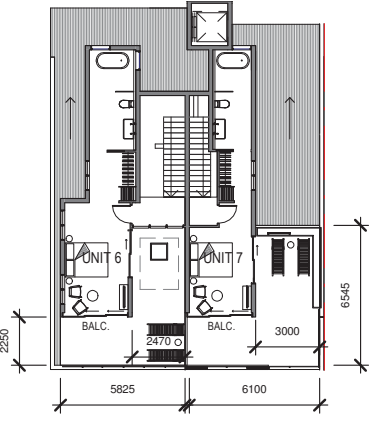


1 GROUND FLOOR
1:250

2 STREET LEVEL
1:250



3 UPPER FLOOR
1:250



4 ROOF
1:250

AREA SCHEDULE

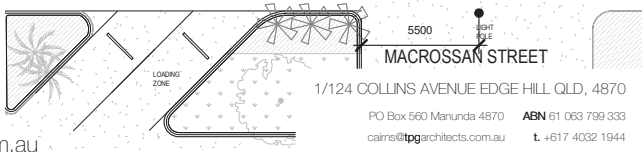
	Internal	Balcony	Total
Unit 1	95m ²	13m ²	108m ²
Unit 2	105m ²	13m ²	118m ²
Unit 3	95m ²	18m ²	112m ²
Unit 4	105m ²	13m ²	118m ²
Unit 5	160m ²	40m ²	200m ²
Unit 6	115m ²	40m ²	155m ²
Unit 7	105m ²	50m ²	155m ²
Shop 1	100m ²	-	100m ²
Shop 2	55m ²	-	55m ²
Shop 3	38m ²	-	38m ²
Deck			35m ²
Terrace			40m ²



5 SITE AERIAL



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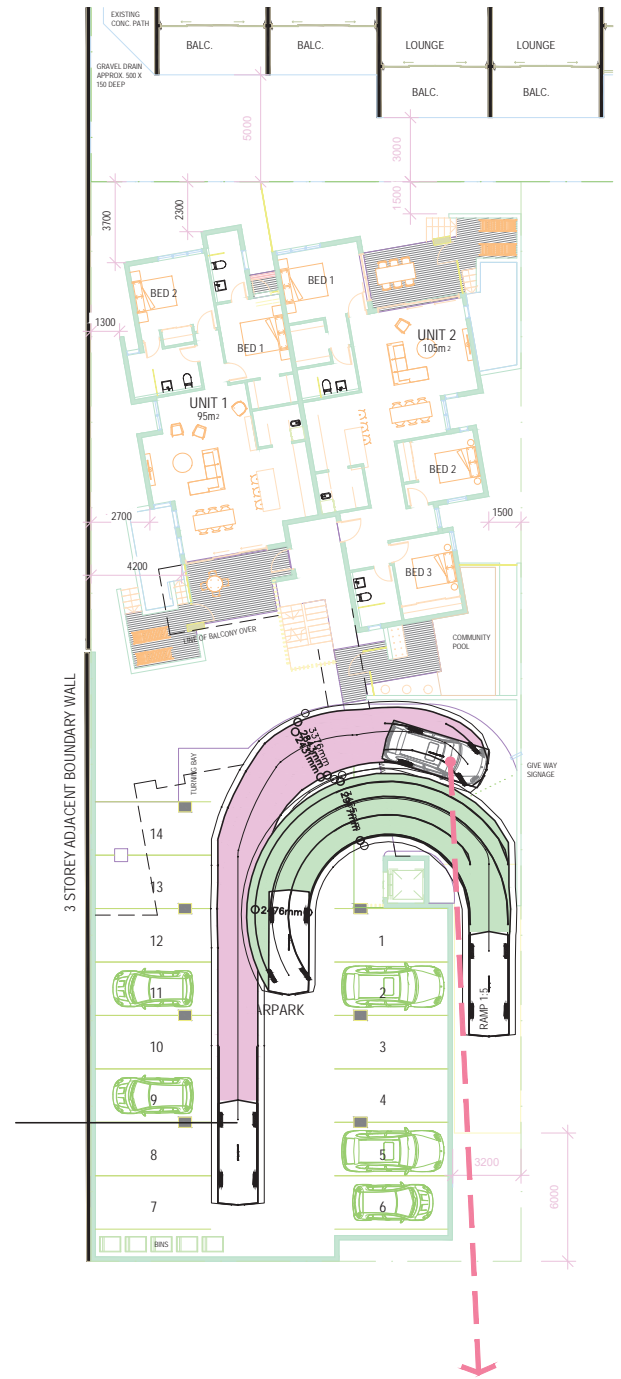
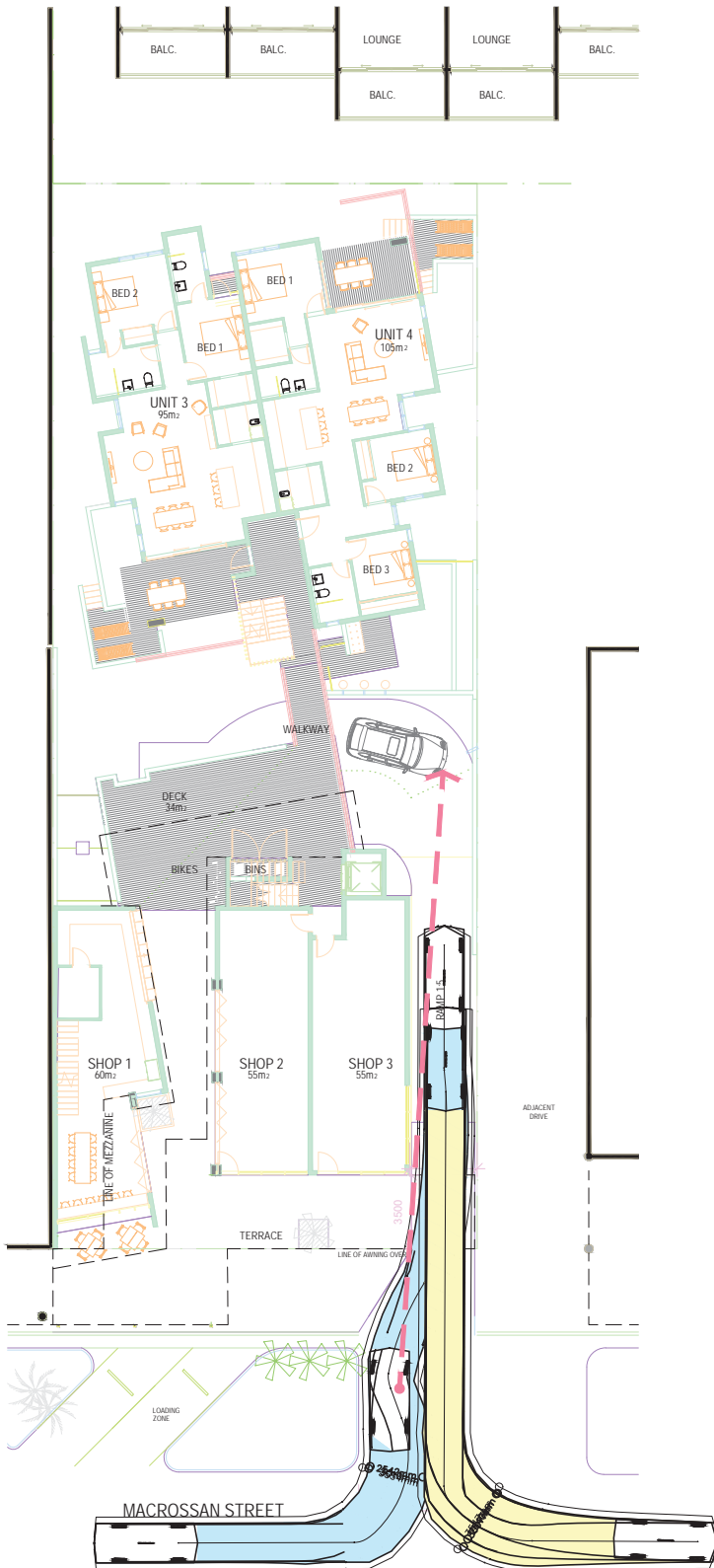
1:125 @ A1 10
1:250 @ A3 2.5 5



FLOOR PLANS

WLP-01 49 MACROSSAN STREET
DA-100H DECEMBER 2017

49 Macrossan Street



Vehicle Sight Line

CM.G. CONSULTING ENGINEERS PTY. LTD.

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Vehicle Swept Paths

Sheet 1 of 2

4 DEC 2017

Table A 8: Austroads vehicle classification systems (updated in 1994)

Level 1	Level 2		Level 3	Austroads classification	
Length (indicative)	Axles and axle groups		Vehicle type	Class	Parameters
Type	Axles	Groups	Description		
Short Up to 5.5 m	Light vehicles				
	2	1 or 2	Short Sedan, wagon, 4WD, utility, light van, bicycle, motorcycle, etc.	1	$d_1 \leq 3.2$ m and axles = 2
Medium 5.5 m to 14.5 m	3, 4 or 5	3	Short-towing trailer, caravan, boat, etc.	2	groups = 3, $2.1 \text{ m} \leq d_1 \leq 3.2 \text{ m}$ $d_2 \geq 2.1 \text{ m}$, and axles = 3, 4 or 5
	Heavy vehicles				
	2	2	Two axle truck or bus	3	$d_1 > 3.2$ m and axles = 2
	3	2	Three axle truck or bus	4	Axles = 3 and groups = 2
	> 3	2	Four axle truck	5	Axles > 3 and groups = 2
Long 11.5 m to 19.0 m	3	3	Three axle articulated or rigid vehicle and trailer	6	$d_1 > 3.2$ m Axles = 3 and groups = 3
	4	> 2	Four axle articulated or rigid vehicle and trailer	7	$d_2 < 2.1$ m, or $d_1 < 2.1$ or $d_1 > 3.2$ m Axles = 4 and groups > 2
	5	> 2	Five axle articulated or rigid vehicle and trailer	8	$d_2 < 2.1$ m, or $d_1 < 2.1$ or $d_1 > 3.2$ m Axles = 5 and groups > 2
	6 > 6	> 2 3	Six axle (or more) articulated or rigid vehicle and trailer	9	Axles = 6 and groups > 2; or axles > 6 and groups = 3
Medium combination 17.5 m to 36.5 m	> 6	4	B Double or heavy truck and trailer	10	Axles > 6 and groups = 4
	> 6	5 or 6	Double road train or heavy truck and two trailers	11	Axles > 6 and groups = 5 or 6
Long combination over 33 m	> 6	> 6	Triple road train or heavy truck and three trailers	12	Axles > 6 and groups > 6

Definitions:

Group: (axle group) – where adjacent axles are less than 2.1 m apart

Groups: number of axle groups

Axles: number of axles (maximum axle spacing of 10 m)

d_1 : distance between first and second axle

d_2 : distance between second and third axle.

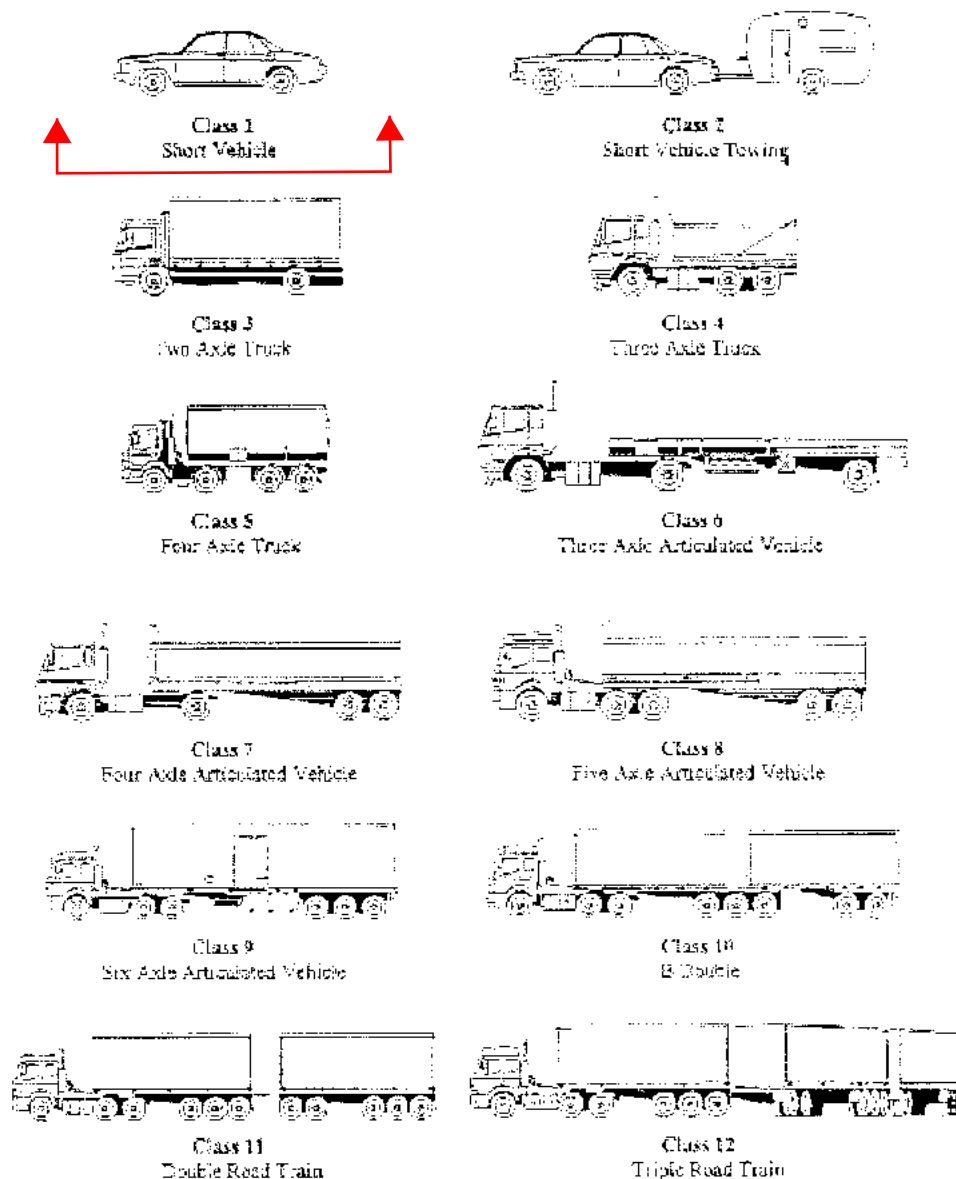
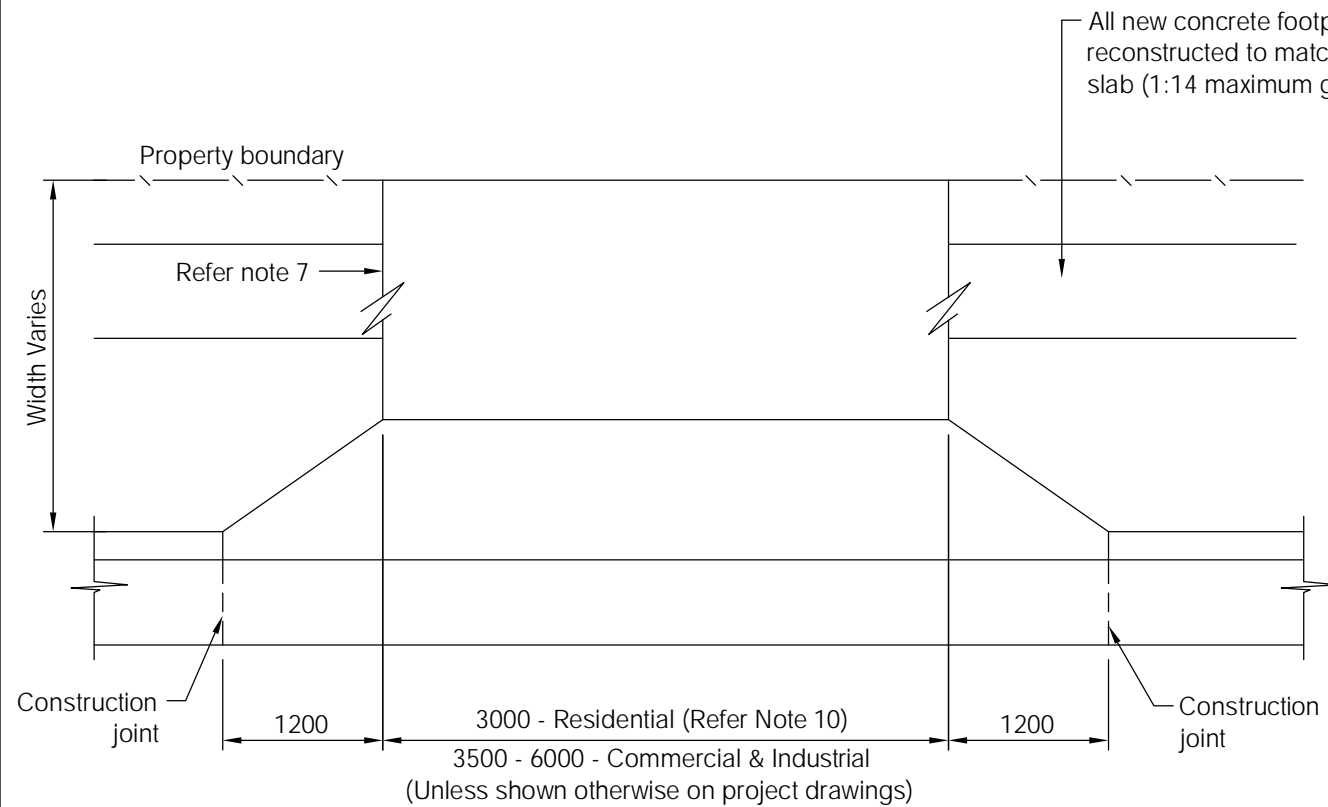


Figure A 13: Representative vehicles in Austroads 12-bin classification system

A.5.3 Methods of Collecting Vehicle Classification Data

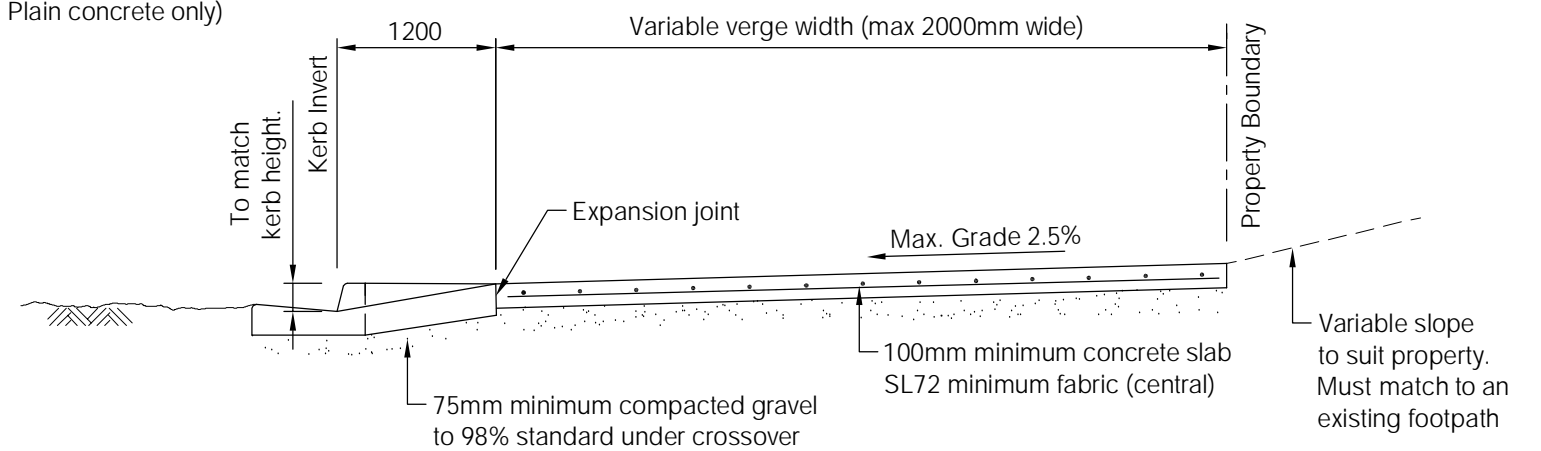
Manual vehicle classification methods, based on either vehicle body type (e.g. surveys by the Australian Bureau of Statistics) or axle configurations (e.g. Austroads), have been used for many years. Manual methods are now largely confined to intersection turning movement counts. As these surveys require considerable human resources, they are costly and generally limited to short period counts – generally up to 12 hours duration.



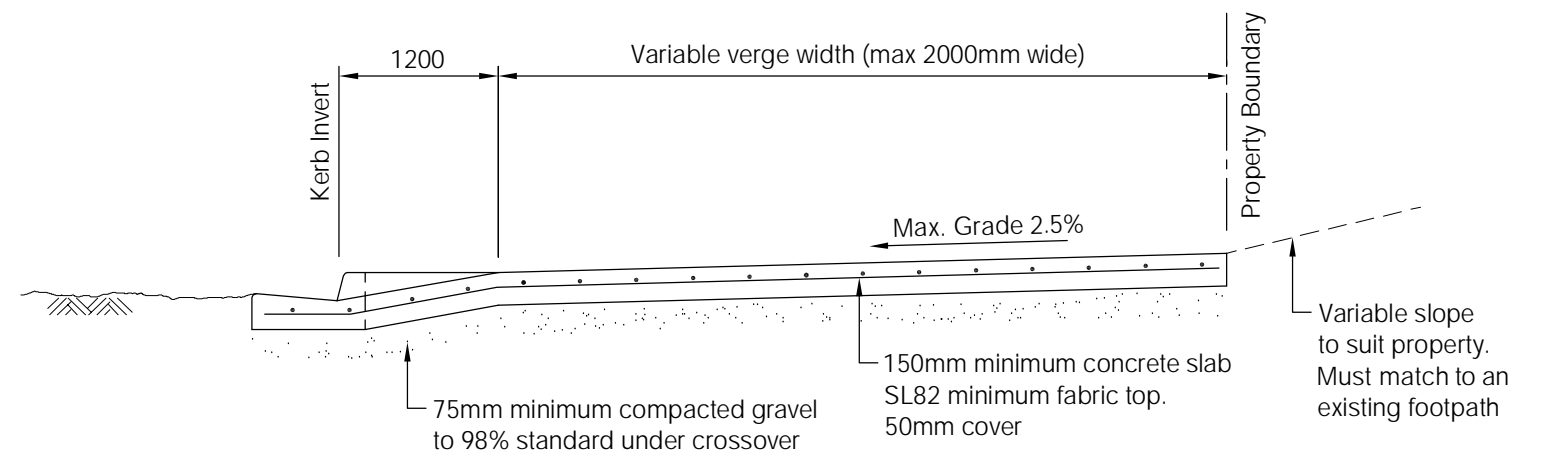
PLAN

NOTES

1. All joints to existing kerbs shall be sawcut prior to breaking out concrete for removal. Entire section of kerb to be removed.
2. Concrete is to be N25 min residential. N32 min. Commercial/Industrial in accordance with AS1379 and AS3600.
3. All concrete to be broom finished.
4. Where a concrete footpath abuts a crossing an expansion joint shall be installed.
5. Expansion joints to be 10mm thick, closed cell cross linked polyethylene foam (85-150kg/m), 12mm round galvanised dowels @ 600 CRTS
6. Depths of concrete and reinforcing steel shown are minimum requirements for good foundations and average traffic loadings. Where this does not apply, depths of concrete and reinforcing steel shall be increased to suit specific conditions.
7. Where an existing footpath is present it is to be sawcut and an expansion joint provided. 12mm round galvanised dowels @ 600 CRTS
8. Subgrade to be compacted to 95% standard.
9. All dimensions are in millimetres.
10. 'Residential' refers to single dwelling or duplex. All other crossings as per commercial/industrial details.
11. Where new sections of footpath are required, these shall be 2000mm wide and constructed in accordance with standard drawing S1035.
12. For Cook Shire Council, fibre can be used in lieu of reinforcement fabric.



RESIDENTIAL VEHICLE CROSSING



COMMERCIAL & INDUSTRIAL VEHICLE CROSSING

Department of Transport and Main Roads note:
Site specific requirements may not reflect this example in its entirety. Drawing details must reflect site specific conditions for Road Works / Road Access Works.

C	VARIOUS MINOR AMENDMENTS	26/11/14
B	NOTE 10 ADDED	13/01/06
A	ORIGINAL ISSUE	12/03/04
REVISIONS		DATE

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ACCESS CROSSOVERS

Standard Drawing			
S1015			
A	B	C	