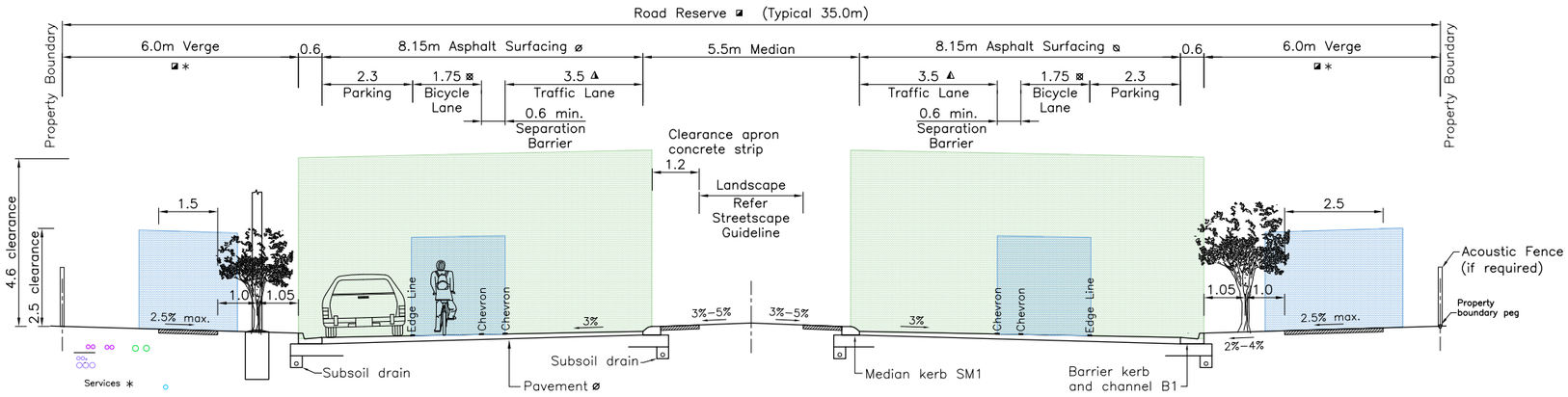
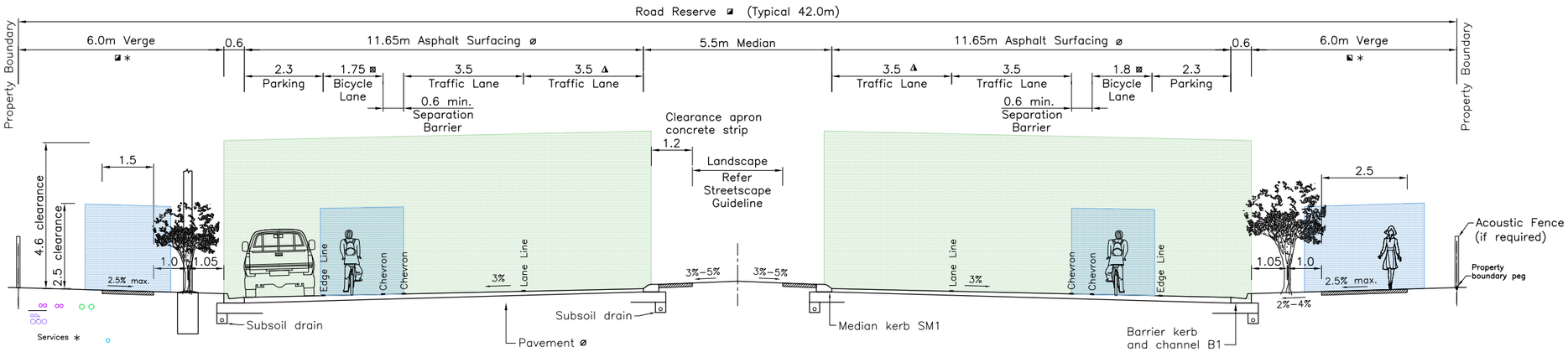


SUB ARTERIAL TYPE A – Two Lane Option

KERBS AND UNDERGROUND DRAINAGE

- Posted Speed 60–80km/h
- Provision for bus route if required (bus stop permitted)
- No on–street parking provision
- Access to major development
- Lane lines, edge lines and separation barrier/chevron to be shown on layout plan
- Traffic volume < 12000 vpd



SUB ARTERIAL TYPE B – Four Lane Option

KERBS AND UNDERGROUND DRAINAGE

- Posted Speed 60–80km/h
- Provision for bus route if required (bus stops permitted)
- On–street parking permitted
- Access to major development
- Lane lines, edge lines and separation barrier/chevron to be shown on layout plan
- Traffic volume < 25000 vpd

Median:
At the approaches to signalised intersections the median can be narrowed to 2.5m wide to allow for a 3.0m wide auxilary right turning lane.

NOTES

1. All dimensions are in metres unless noted otherwise.
2. This drawing to be read in conjunction with Development Manual, relevant Australian Standards and manufacturer's specifications.
3. Wearing surface, pavement design and subgrade treatment to be in accordance with Development Manual SC6.4.6.2 Pavement Design and Seal Design. The wearing surface in highly stressed areas due to braking, turning and acceleration, such as roundabout and stopping lanes at traffic signals, shall be polymer modified asphalt as per Main Roads Technical Specification 18 – Polymer Modified Binder.
4. Subsoil drains to be in accordance with Development Manual SC6.4.6.2 Pavement Design and Seal Design, and TCC Standard Drawing SD–080.
5. For principles underlying street/road selection and network planning refer to Development Manual SC6.4.6.1 Geometric Road Design.
6. For street lighting requirements refer to AS1158.
7. Pavement marking and RRPM's to be in accordance with Main Roads MUTCD – Part 2
8. Design Engineer to consider 'clear zone' in locations, type of road furniture and vegetation (roadside hazards).
9. Location of all existing services shall be confirmed by the relevant authority prior to commencement of any construction works.
10. Kerbs shall be Barrier Kerb and Channel Type B1 and Median Kerb SM1. Refer TCC Standard Drawing SD–020.
11. Pathways to refer to TCC Standard Drawings SD–070, SD–075 for concrete construction details.

◪ Minimum Road Reserve Width and Verge Widths dependent on service corridor requirements. Refer TCC Standard Drawing SD–015.

⊠ Bicycle lane widths shown are desirable minimums. Refer to Austroads Guide to Road Design Part 3: Geometric Design (Table 4.17). Consider separation barrier and vehicle door openings.

◭ Number of traffic lanes is dependent on the outcome of traffic study (3.5m wide traffic lanes).

∗ Provision for Public Utility Plant. Services on one side of the road and optional on both side of the road. Services layout refer TCC Standard Drawing SD–015.

WEARING SURFACE AND PAVEMENT DESIGN

⌀ Wearing surface (minimum depth of 50mm asphalt) and pavement design to be determined by the Design Engineer. Refer note 3.

REFERENCES

1. Austroads Guide to Road Design Part 6A: Paths for Walking and Cycling, 2021.
2. Austroads Guide to Road Design Part 3: Geometric Design, 2021
   Table 8.1 Clause 8.2.4 Vertical Clearances.
   Clause 4.2.5 Urban Road Widths.
3. TMR Guideline Selection and Design of Cycle Tracks, 2020.
4. TMR Guideline Treatment options to improve safety of pedestrians, bicycle riders and other path users at driveways, 2021.
5. TMR TN197 Provision of shade along paths, 2021.
6. TMR Road Landscape Manual Appendix 4 – Vegetation Setback and Clearance, 2013.
7. TMR Road Planning and Design Manual: Edition 2 Volume 3.
   Supplement to Austroads Guide to Road Design part 6: Roadside Design, Safety and Barriers.
8. Australian Standards: AS 1428 suite.
9. Australian Standards: AS/NZS 1158.1.2:2010 – Lighting for roads and public spaces – Vehicular traffic (Category V) Guide to design, installation, operation and maintenance.
   Clauses 7.4, 8.8 Tree–lined traffic routes.
10. Ausgrid NW000–S0045 NS167 Positioning of Poles and Lighting Columns, 2021.
11. AASHTO Appendix A2 Clear Zone/Lateral offset Guidelines: Appendix B(1) Subdivision Street Design Guide. Chapter 12 – Guide Rail, Median Barrier and Roadside Safety Devices.
12. Australian Standard: AS 1742.9:2018 Manual of Uniform Traffic Control Devices, part 9.

No.	DATE	DESCRIPTION	AP'D
C	23/01/2023	REVIEW CITY PLAN DEVT MANUAL – FINAL VERSION ADOPTION	
B	29/04/2014	AMENDMENTS FROM DEVELOPMENT MANUAL CONSULTATION	
A	08/2013	ORIGINAL ISSUE	

REVISIONS

NOTES :

Full Size A1

Not to Scale

DRAWN: nrn | CHECKED:

Strategic Infrastructure Planning Approved: M. Kaye RPEQ 7621

Date: 30/11/2022

General Manager EAIP: M. GREEN

Date: 23/01/2023

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TYPICAL CROSS SECTIONS

SUB ARTERIAL ROADS

STANDARD DRAWING

ROADWORKS

SD–003 | C