TRUNK COLLECTOR STREET – (>3000vpd)

ROAD CHARACTERISTICS – TRUNK COLLECTOR STREET

Road Type	Max. VPD	Parking	Kerb & Channel Type	Minimum Width (mm) *
Trunk Collector Street	6000	Parking not permitted	SM2 Type – Refer Std Dwg SD101	7000 2x3.5m Dual Carriageway
Trunk Collector Street with parking	6000	Parking on carriageway	SM2 Type – Refer Std Dwg SD101	11000 2x5.5m Dual Carriageway
Abutting a Reserve	6000		B2 Type – Refer Std Dwg SD101	

* Measured invert to invert.

PAVEMENT COMPOSITION – DESIGN TRAFFIC LOADING

The DTL for roads carrying in excess of 3000vpd must be determined in accordance with Clause 3.1.2, "Pavement Design Guidelines For New Subdivisions – April 2002". Pavements with DTL's less than $1x10^6$ ESA's may be selected from the following tabulation.

PAVEMENT COMPOSITION – TRUNK COLLECTOR STREET – ESA<10^6

Pavement Layer	Pavement Material	Pavement Thickness (mm)							
		Non Expansive Subgrade				Expansive Subgrade **			
		CBR 2%	CBR 3%	CBR 4%	CBR 5%	CBR 2%	CBR 3%	CBR 4%	CBR 5%
Surfacing	Size 14 Type N Asphalt	40	40	40	40	40	40	40	40
Bituminous Prime	Prime or Primerseal								
Base	20mm Class 2 Crushed Rock	160	160	160	160	160	160	160	160
Upper Subbase	20mm Class 3 Crushed Rock	170	170	170	170	170	170	170	170
Lower Subbase	20 or 40mm Class 4 Crushed Rock or Approved Equivalent	315	210	120	55	315	230	230	230
Total		**685**	**580**	**490**	**425**	**685**	**600**	**600**	**600**

** EXPANSIVE SOILS ARE CLASSIFIED AS FOLLOWS:

Liquid Limit	>70%
Plasticity Index	>45
PI x % < 0.425mm	>2200
Potential Swell	>2.5

PAVEMENT COMPOSITION – TRUNK COLLECTOR STREET – ESA>10^6

Pavements with a Design Traffic Loading greater than $1x10^6$ ESA's, shall be modelled mechanistically to determine the overall thickness and composition of the pavement. A granular unbound pavement with a thin asphalt surfacing (<40mm thick), would not be acceptable for these situations.

Amendments			
No.	Detail	Initials	Date

DRAWN : K. GRAHAM
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APPROVED : S. PLATER
SCALE :
ISSUE DATE: JUNE 2004

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ROAD CHARACTERISTICS AND PAVEMENT COMPOSITION – TRUNK COLLECTOR STREET

DRAWING NO: SD 06