SECTION 1

STREET CROSS SECTIONS

KERB OUTSTAND DETAIL

PROPERTY BOUNDARY — PROPERTY BOUNDARY

Maximum 100m

1.5m — PEDESTRIAN PATH
3.5m — NATURE STRIP
11.39 MIN AT T.P. TO T.P — 11.39 MIN AT T.P. TO T.P
0.6M R — 0.6M R — KERB OUTSTAND — 0.6M R — 0.6M R
3.0m — PARKING LANE
45° — 45°
23m
7m — 6m MIN. @ T.P — 6m MIN. @ T.P — TWO–WAY TRAFFIC
3.0m — 0.6M R — KERB OUTSTAND — 0.6M R — 0.6M R — KERB OUTSTAND — 0.6M R — PARKING LANE
3.5m — NATURE STRIP
1.5m — PEDESTRIAN PATH

PROPERTY BOUNDARY — PROPERTY BOUNDARY

SUBSOIL DRAINAGE — SERVICE CONDUITS

1.50	3.50	3.00	7.00	3.00	3.50	1.50
			13.00			
PEDESTRIAN PATH	NATURE STRIP	PARKING BAY	CARRIAGEWAY	PARKING BAY	NATURE STRIP	PEDESTRIAN PATH

23m ROAD RESERVATION

NOTES

1. MAXIMUM VEHICLE VOLUME UP TO 1000 VPD.

2. KERB AND CHANNEL TO BE BARRIER KERB

3. REFER TO CODE OF PRACTICE FOR COORDINATION OF STREET WORKS, VICTORIA FOR
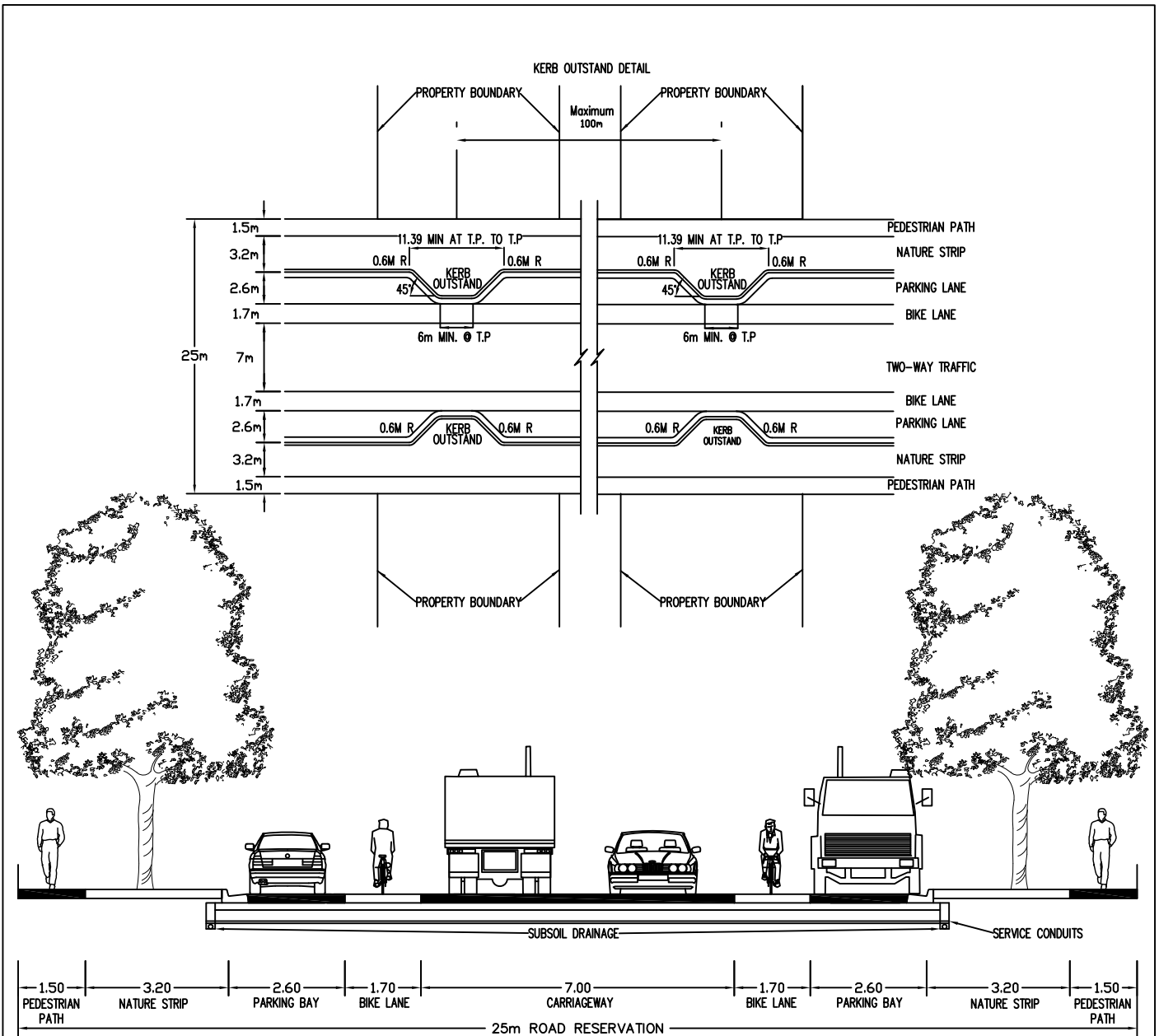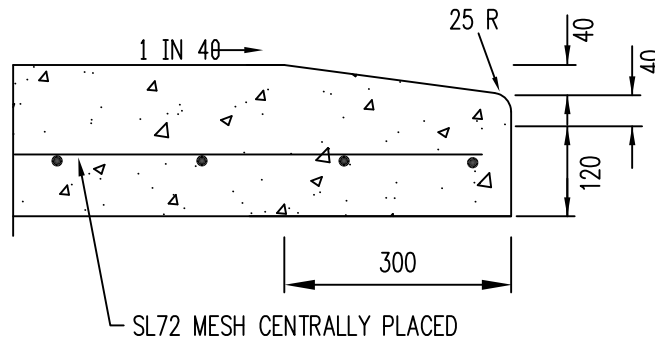   SERVICE LOCATION.

CITY OF CASEY

INDUSTRIAL LOCAL – 23m
TYPICAL GEOMETRIC CROSS SECTION

MANAGER OF ENGINEERING &
ENVIRONMENTAL SERVICES
LAST UPDATE   09.11.2012

S–101   V4

AMENDMENTS: CROSS SECTION DIMENSIONS UPDATED

KERB OUTSTAND DETAIL

PROPERTY BOUNDARY | Maximum 100m | PROPERTY BOUNDARY

PEDESTRIAN PATH

1.5m

3.2m — 11.39 MIN AT T.P. TO T.P — NATURE STRIP

0.6M R | 0.6M R | 0.6M R | 0.6M R

2.6m — KERB OUTSTAND — 45° — KERB OUTSTAND — PARKING LANE

1.7m — BIKE LANE

6m MIN. @ T.P | 6m MIN. @ T.P

25m 7m — TWO-WAY TRAFFIC

1.7m — BIKE LANE

2.6m — 0.6M R — KERB OUTSTAND — 0.6M R — 0.6M R — KERB OUTSTAND — 0.6M R — PARKING LANE

3.2m — NATURE STRIP

1.5m — PEDESTRIAN PATH

PROPERTY BOUNDARY | PROPERTY BOUNDARY

SUBSOIL DRAINAGE — SERVICE CONDUITS

| 1.50 PEDESTRIAN PATH | 3.20 NATURE STRIP | 2.60 PARKING BAY | 1.70 BIKE LANE | 7.00 CARRIAGEWAY | 1.70 BIKE LANE | 2.60 PARKING BAY | 3.20 NATURE STRIP | 1.50 PEDESTRIAN PATH |

25m ROAD RESERVATION

NOTES

1. MINIMUM VEHICLE VOLUME 1000 VPD.

2. KERB AND CHANNEL TO BE BARRIER KERB

3. REFER TO CODE OF PRACTICE FOR COORDINATION OF STREET WORKS, VICTORIA FOR SERVICE LOCATION.
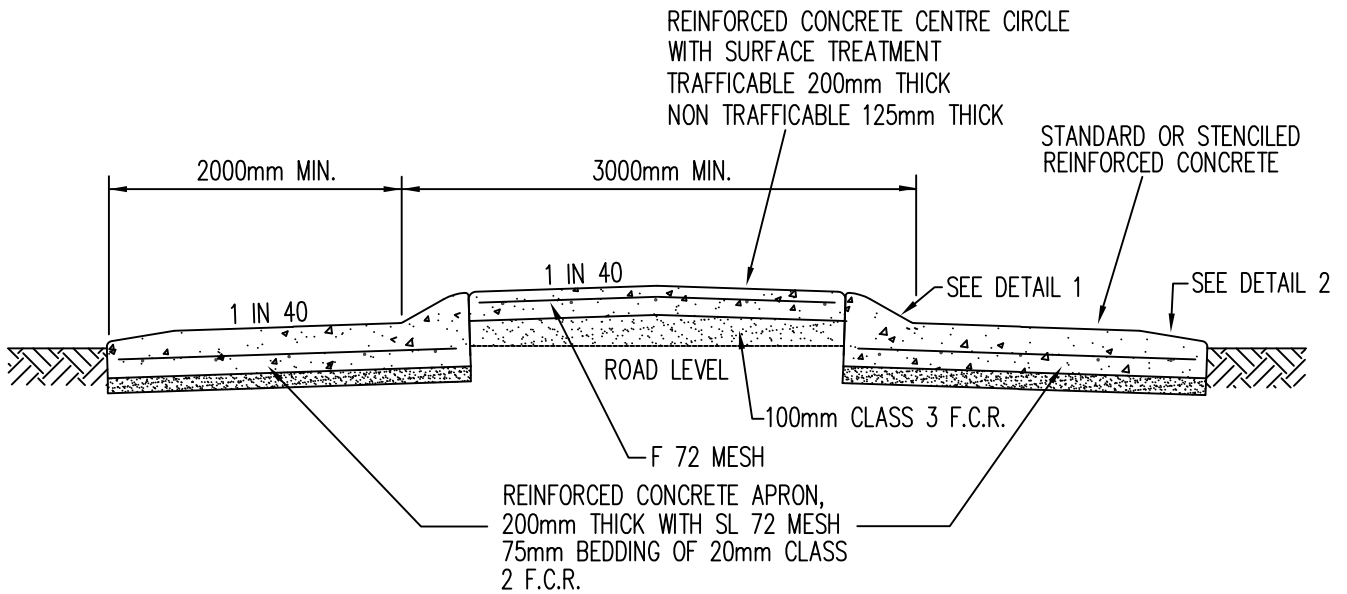
CITY OF CASEY
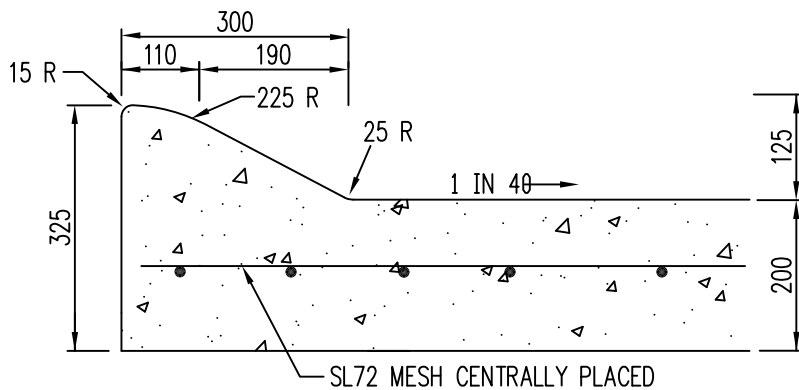
INDUSTRIAL CONNECTOR −25m
TYPICAL GEOMETRIC CROSS SECTION

MANAGER OF ENGINEERING & ENVIRONMENTAL SERVICES
LAST UPDATE   09.11.2012

S−101A | V2

REINFORCED CONCRETE CENTRE CIRCLE
WITH SURFACE TREATMENT
TRAFFICABLE 200mm THICK
NON TRAFFICABLE 125mm THICK

STANDARD OR STENCILED
REINFORCED CONCRETE

2000mm MIN.

3000mm MIN.

1 IN 40

1 IN 40

SEE DETAIL 1

SEE DETAIL 2

ROAD LEVEL

100mm CLASS 3 F.C.R.

F 72 MESH

REINFORCED CONCRETE APRON,
200mm THICK WITH SL 72 MESH
75mm BEDDING OF 20mm CLASS
2 F.C.R.

25 R

40

40

120

1 IN 40

300

SL72 MESH CENTRALLY PLACED

DETAIL 2

300

110

190

15 R

225 R

25 R

125

1 IN 40

325

200

SL72 MESH CENTRALLY PLACED

DETAIL 1

NOTES:

1. MINIMUM REINFORCING COVER 100mm.
2. CONCRETE STRENGTH OF F'C = 25 MPa
3. CONCRETE STRENGTH OF F'C = 30 MPa IF COLOURED CONCRETE IS USED

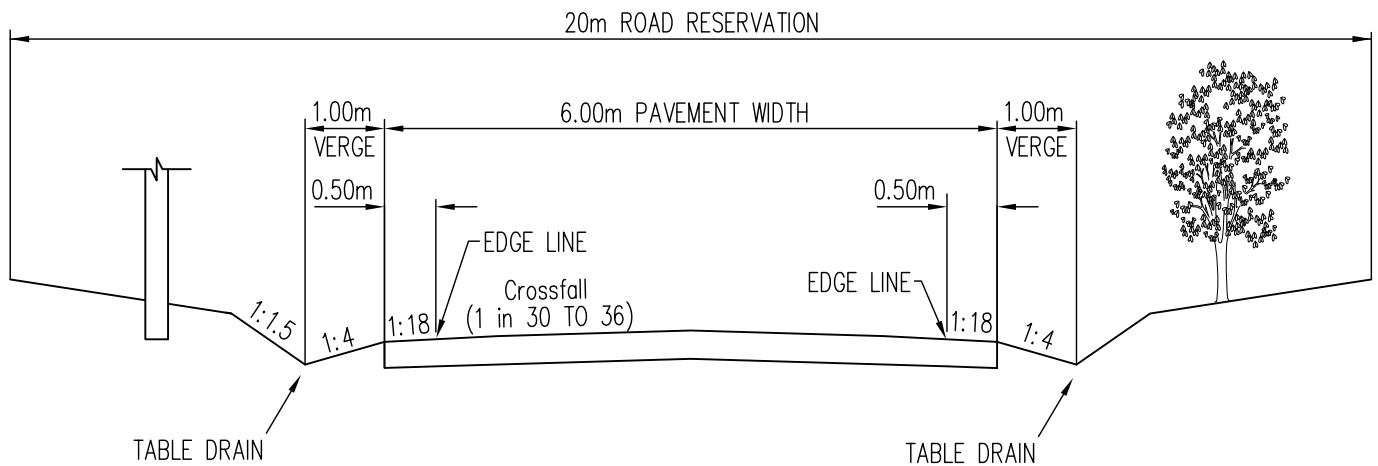| CITY OF CASEY	
ROUNDABOUT CENTRAL ISLAND GENERAL	MANAGER OF ENGINEERING & ENVIRONMENTAL SERVICES
	LAST UPDATE 09.11.2012
AMENDMENTS: GENERAL UPGRADE	S-103 V2

20m ROAD RESERVATION

1.00m
VERGE
0.50m

6.00m PAVEMENT WIDTH

1.00m
VERGE
0.50m

EDGE LINE
Crossfall
(1 in 30 TO 36)

EDGE LINE

1:1.5
1:4
1:18
1:18
1:4

TABLE DRAIN

TABLE DRAIN

TYPICAL CROSS SECTION FOR LOW SPEED RURAL ROADS
(LOCAL ACCESS, RURAL/RESIDENTIAL)

NOTES

TYPICAL PARAMETERS FOR LOWSPEED RURAL ROADS
1. LOW TRAFFIC VOLUMES (< 500 VEHICLES PER DAY)
2. NO THROUGH ROADS
3. LOW SPEEDS (OPERATING SPEEDS UP TO 50Km/h)
4. NO CENTRELINES OR RRPM'S
5. NO GUIDE POSTS
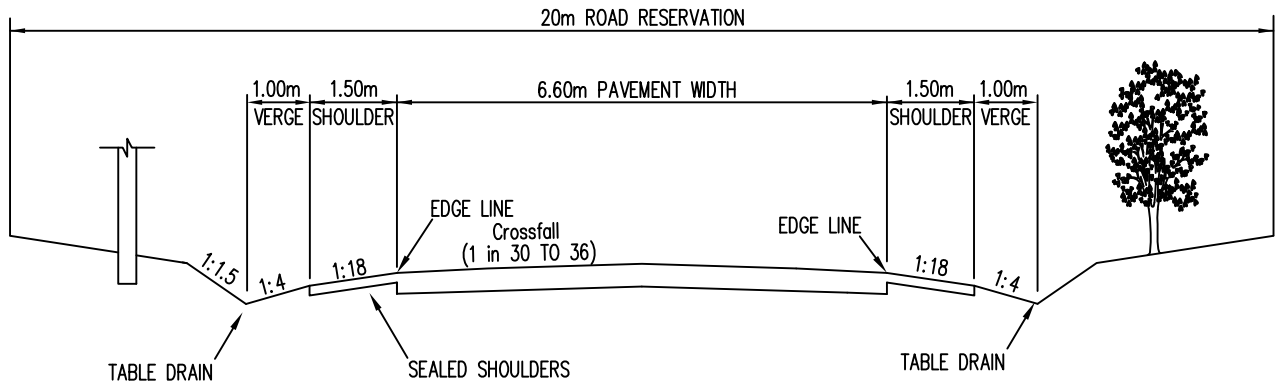6. CLEAR ZONE AS PER AUSTROADS GUILDLINES
7. DRAINAGE

CITY OF CASEY

LOW SPEED – RURAL ROADS
TYPICAL GEOMETRIC CROSS SECTIONS

MANAGER OF ENGINEERING &
ENVIRONMENTAL SERVICES
LAST UPDATE   09.11.2012

S–111   V1

AMENDMENTS: GENERAL UPGRADE

20m ROAD RESERVATION

1.00m VERGE | 1.50m SHOULDER | 6.60m PAVEMENT WIDTH | 1.50m SHOULDER | 1.00m VERGE

EDGE LINE
Crossfall
(1 in 30 TO 36)

EDGE LINE

1:1.5   1:4   1:18   1:18   1:4

TABLE DRAIN   SEALED SHOULDERS   TABLE DRAIN

TYPICAL CROSS SECTION FOR HIGH SPEED RURAL ROADS
(COLLECTOR)

NOTES

TYPICAL PARAMETERS FOR HIGH SPEED RURAL ROADS
1. TRAFFIC VOLUMES (OVER 1000 VEHICLES PER DAY)
2. THROUGH ROADS
3. HIGH SPEEDS (80Km/h, OPERATING SPEED LIMIT)
4. CENTRELINE, EDGE LINEMARKING AND RRPM'S
5. GUIDE POSTS
6. CLEAR ZONE AS PER AUSTROADS GUIDELINES
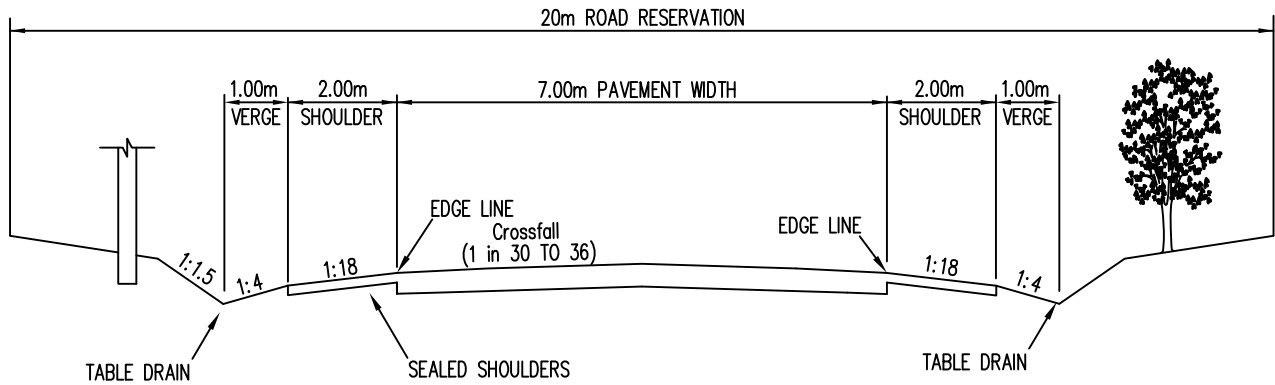7. DRAINAGE

CITY OF CASEY

HIGH SPEED RURAL ROADS
(COLLECTOR ROADS)
TYPICAL GEOMETRIC CROSS SECTIONS

AMENDMENTS: GENERAL UPGRADE

MANAGER OF ENGINEERING &
ENVIRONMENTAL SERVICES
LAST UPDATE   09.11.2012

S-111A   V1

20m ROAD RESERVATION

1.00m | 2.00m | 7.00m PAVEMENT WIDTH | 2.00m | 1.00m
VERGE | SHOULDER | | SHOULDER | VERGE

EDGE LINE
Crossfall
(1 in 30 TO 36)

EDGE LINE

1:1.5   1:4   1:18   1:18   1:4

TABLE DRAIN   SEALED SHOULDERS   TABLE DRAIN

TYPICAL CROSS SECTION FOR HIGH SPEED RURAL ROADS
(SECONDARY ARTERIAL)

NOTES

TYPICAL PARAMETERS FOR HIGH SPEED RURAL ROADS
1. TRAFFIC VOLUMES (OVER 1000 VEHICLES PER DAY)
2. THROUGH ROADS
3. HIGH SPEEDS (100Km/h, OPERATING SPEED LIMIT)
4. CENTRELINE, EDGE LINEMARKING AND RRPM'S
5. GUIDE POSTS
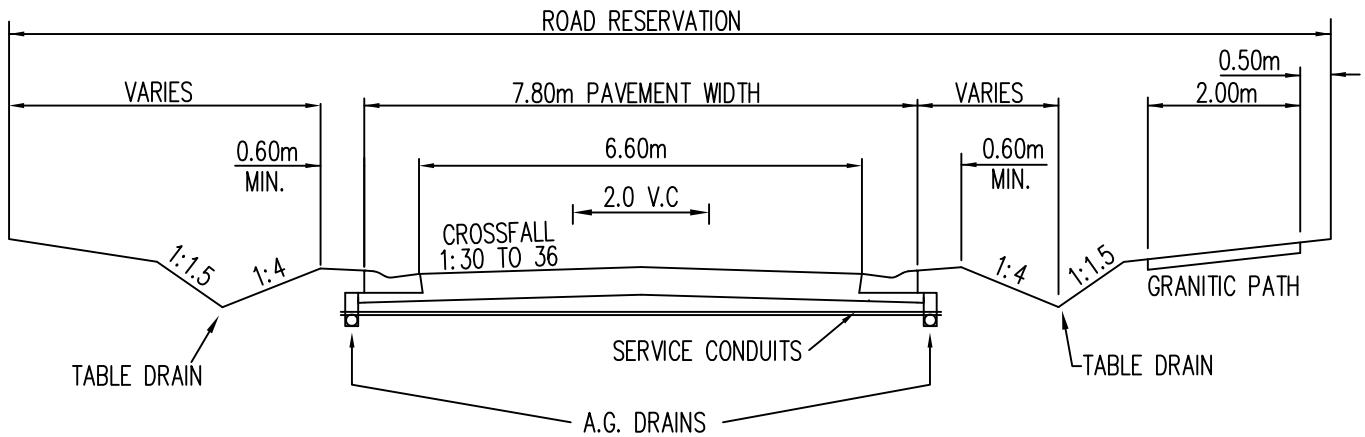6. CLEAR ZONE AS PER AUSTROADS GUIDELINES
7. DRAINAGE

CITY OF CASEY

HIGH SPEED – RURAL ROADS
(SECONDARY ARTERIAL ROADS)
TYPICAL GEOMETRIC CROSS SECTIONS

AMENDMENTS: GENERAL UPGRADE

MANAGER OF ENGINEERING &
ENVIRONMENTAL SERVICES
LAST UPDATE   09.11.2012

S-111B | V1

ROAD RESERVATION

VARIES

0.60m
MIN.

1:1.5   1:4

TABLE DRAIN

7.80m PAVEMENT WIDTH

6.60m

2.0 V.C

CROSSFALL
1: 30 TO 36

SERVICE CONDUITS

A.G. DRAINS

VARIES

0.60m
MIN.

1:4   1:1.5

TABLE DRAIN

0.50m
2.00m

GRANITIC PATH

TYPICAL CROSS SECTION FOR HIGH SPEED RURAL ROADS
(WITH CONCRETE KERB AND CHANNEL)

NOTES

TYPICAL PARAMETERS FOR HIGH SPEED RURAL ROADS
1. TRAFFIC VOLUMES   (OVER 1000 VEHICLES PER DAY)
2. THROUGH ROADS
3. HIGH SPEEDS (80Km/h, OPERATING SPEED LIMIT)
4. CENTRELINE, EDGE LINEMARKING AND RRPM'S
5. GUIDE POSTS
6. CLEAR ZONE AS PER AUSTROADS GUIDELINES
7. DRAINAGE – INCORPORATING KERB AND CHANNEL WITH ROCK
   BEACHED OUTLETS DISCHARGING TO TABLE DRAINS (TO
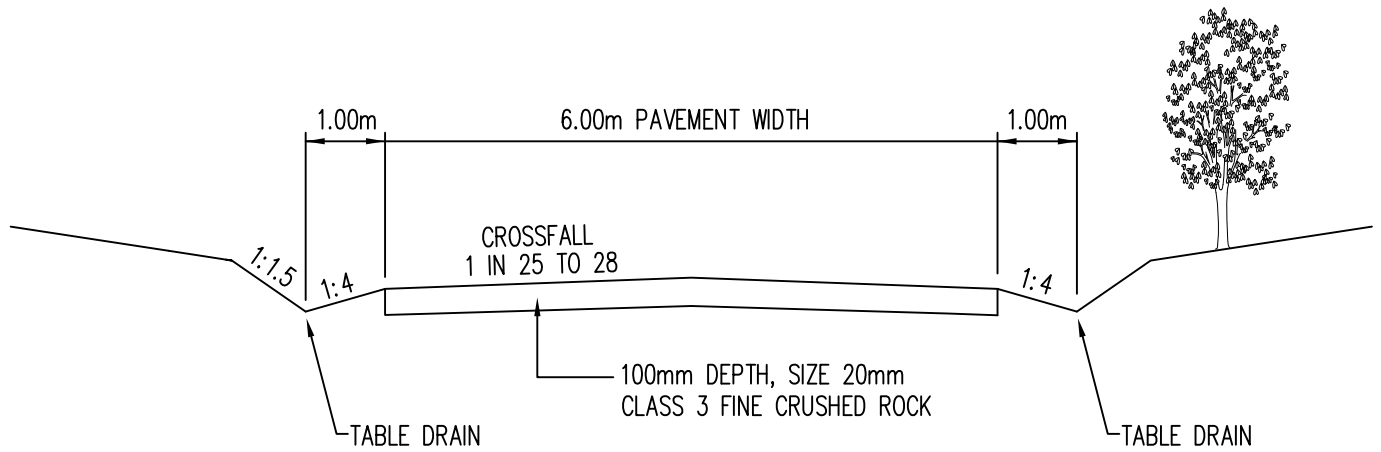   VICROADS STANDARD SD 2051)

CITY OF CASEY

HIGH SPEED RURAL ROADS
(WITH CONCRETE KERB AND CHANNEL)
TYPICAL GEOMETRIC CROSS SECTIONS

AMENDMENTS:

MANAGER OF ENGINEERING &
ENVIRONMENTAL SERVICES
LAST UPDATE   09.11.2012

S–111C

1.00m   6.00m PAVEMENT WIDTH   1.00m

1:1.5   1:4

CROSSFALL
1 IN 25 TO 28

1:4

100mm DEPTH, SIZE 20mm
CLASS 3 FINE CRUSHED ROCK

TABLE DRAIN

TABLE DRAIN

TYPICAL CROSS SECTION FOR
GRAVEL ACCESS ROADS
(LOCAL ACCESS IN RURAL AREAS)

NOTES

TYPICAL PARAMETERS FOR GRAVEL ACCESS ROADS
1. LOCAL ACCESS ONLY
2. NO THROUGH ROADS
3. LOW SPEEDS (OPERATING SPEED UP TO 50 Km/h)
4. NO GUIDE POSTS
5. CLEAR ZONE AS PER AUSTROADS GUILDLINES
6. DRAINAGE

CITY OF CASEY

NEW GRAVEL ACCESS ROADS
TYPICAL GEOMETRIC CROSS SECTION

MANAGER OF ENGINEERING &
ENVIRONMENTAL SERVICES

LAST UPDATE   09.11.2012

S-112

AMENDMENTS: