### SECTION 18  STANDARD DRAWINGS

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ARTERIAL / COLLECTOR ROAD

LOCAL ROAD

CUL-DE-SAC

KEY:

1400 CONCRETE FOOTPATH

PAVEMENT IN ACCORDANCE WITH APPROVED DESIGN, 2 COAT CHIP SEAL OR ASPHALT SURFACE

75mm TOP SOIL & STANDARD GRASSING

ALL DIMENSIONS IN mm.

Standard Urban Road Cross Section

Refer to Section 6

Gore District Council

Not To Scale
Original Size A4

Sheet R01
November 2011
Kerb and Channel Details

Refer to Sections 6.15 and 6.17

Gore District Council

Not To Scale
Original Size A4

Sheet R02

November 2011
Standard Plate Crossing Details

Refer to Section 6.21
Standard Drop Crossing Details

Refer to Sections 6.15 and 6.21

Not To Scale
Original Size A4

Sheet R04
November 2011
Standard Pedestrian Crossing Details

Refer to Section 6.19

Under Concrete: 20 CIV
Road Reinstatement: 40 CIV

November 2011
**Standard Slot Crossing Detail**

Refer to Section 6

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**NOT TO SCALE**

Original Size A4

Sheet R06

November 2011
Standard Rural Road
Sealed Cross Sections

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Sheet R07
November 2011

Refer to Section 6

> 400 VPD OR HIGH % H.C.V.

7.4 m CARRIAGEWAY

6.9 m SEAL

200 - 399 VPD

6.5 m CARRIAGEWAY

6.0m SEAL

< 200 VPD

MIN. STANDARD FOR SEALED ROADS
UNSEALED ROADS (>20 VPD)

THROUGH ROUTES

MINOR UNSEALED ROADS (<20 VPD)

ENSURE ADEQUATE SIGHT DISTANCE

AND PASSING BAYS

WIDENING AT CRESTS MAY BE REQUIRED ON BOTH ROAD TYPES
Rural Domestic or Paddock Access

Refer to Section 6.21

*Rural Domestic or Paddock Access*

**NOTES**

1. GATE TO BE RECESSED BACK FROM ROAD SUFFICIENT DISTANCE TO ALLOW ANY VEHICLE USING THE DRIVEWAY TO STOP CLEAR OF THE ROAD TRAFFIC LINES WHILE THE GATE IS BEING OPENED OR CLOSED.

2. UNSEALED ROAD, NO SEAL REQUIRED.

3. MINIMUM CULVERT DIAMETER ON COLLECTOR/LOCAL ROADS = 200mm

Source:
Transit NZ Diagram C
5. PRIMARY COMMERCIAL ACCESS SHALL BE PROVIDED WHERE AN ACCESS ON AN UN-KERBED ROAD
1. GATE TO BE RECESSED BACK FROM ROAD SUFFICIENT DISTANCE TO ALLOW ANY VEHICLE USING THE DRIVEWAY TO STOP CLEAR OF THE ROAD TRAFFIC Lanes WHILE THE GATE IS BEING OPENED OR CLOSED.

* LENGTH ‘D’ REQUIRED

<table>
<thead>
<tr>
<th>SPEED LIMIT</th>
<th>METRES</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 km/h</td>
<td>90</td>
</tr>
<tr>
<td>80 km/h</td>
<td>75</td>
</tr>
<tr>
<td>70 km/h</td>
<td>70</td>
</tr>
</tbody>
</table>

Source: Transit NZ Diagram D
RURAL MILKTANKER ACCESS

NOTES

1. GATE TO BE RECESSED BACK FROM ROAD SUFFICIENT DISTANCE TO ALLOW ANY VEHICLE USING THE DRIVEWAY TO STOP CLEAR OF THE ROAD TRAFFIC LANES WHILE THE GATE IS BEING OPENED OR CLOSED.

2. SEAL NOT REQUIRED WHERE THE SITE FRONTS A GRAVEL ROAD

Source:
Transit NZ Diagram E

Refer to Section 6.21

November 2011

Rural Milktanker Access

Gore District Council

Sheet R12

Original Size A4

Not To Scale

KEY:

AREA FOR PAVEMENT CONSTRUCTION AND SEALING

PROPERTY ACCESS

SEAL TO BOUNDARY

CULVERT IF APPLICABLE (MIN 375mm)

SEE NOTE 1

1 : 10 TAPER TO EDGE OF SEAL

R : 15.0m

17.5m

6.0m

6.0m

15m

35m

1 : 10 TAPER TO EDGE OF SEAL

CENTRE OF ACCESS

EDGE OF SEAL

EDGE LINE

CENTRE LINE

EDGE LINE

BOUNDARY
NOTES

1. SIGHT DISTANCES SHALL BE MEASURED FROM A POINT 1.15 m (MOTORISTS EYE LEVEL) ABOVE THE FINISHED SURFACE OF THE ACCESS CROSSING PLACE AND 1.15m ABOVE THE ROAD SURFACE.

2. THERE SHALL BE NO OBSTRUCTIONS TO VISIBILITY INSIDE THE AREA BOUNDED BY THE SIGHT LINES.

3. FOR REQUIRED SIGHT DISTANCES REFER TO TABLES 6.1 AND 6.2 IN SECTION 6.20.

Source: TransIT NZ
Not To Scale
Original Size A4

Access Separation Diagram

Refer to Sections 6.20 and 6.21

Source: Transport NZ

November 2011
PARKING SPACE DIMENSIONS

<table>
<thead>
<tr>
<th>Angle of Park</th>
<th>Width (A)</th>
<th>Depth (B)</th>
<th>Aisle (C)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Single Lane</td>
</tr>
<tr>
<td>0 degrees</td>
<td>6.2 m</td>
<td>2.3 m</td>
<td>5.3 m</td>
</tr>
<tr>
<td>30 degrees</td>
<td>2.5 m</td>
<td>4.4 m</td>
<td>7.4 m</td>
</tr>
<tr>
<td>45 degrees</td>
<td>2.6 m</td>
<td>4.8 m</td>
<td>8.5 m</td>
</tr>
<tr>
<td>60 degrees</td>
<td>2.5 m</td>
<td>5.3 m</td>
<td>9.6 m</td>
</tr>
<tr>
<td>90 degrees</td>
<td>2.5 m</td>
<td>5.0 m</td>
<td>10.8 m</td>
</tr>
</tbody>
</table>

Notes:
1. Where a wall or other structure adjoins the side of any parked vehicle 300 mm shall be added to stated dimensions
2. Disability park space width (A) shall be 3.5 metres minimum for all angles or park except 0 degrees (parallel park)
Swept Path and Design: 90 Percentile Car

1. Locate face of kerbs at least 0.6m clear of wheel paths.
2. Allow 0.6m clearance outside path of overhang and ensure that this area is kept free of road furniture.

Refer to Section 6

November 2011
TRENCH REINSTATEMENT OPTION LIST -

1. **ASPHALT**
   - (ON BOTH ASPHALT AND SEALED SURFACES)
     25mm THICK HOTMIX M10.

2. **CONCRETE SURFACE**
   - PATHS 75mm 17.5mPa CONCRETE.
   - RESIDENTIAL CROSSINGS 100mm 17.5mPa CONCRETE.
   - HEAVY DUTY CROSSINGS 150mm 17.5mPa CONCRETE.

3. **GRAVEL SURFACE**
   - 50mm TOPCOUSE.

4. **INTERLOCKING PAVING BLOCK SURFACE**
   - BLOCKS TO BE LAI D OVER BEDDING SAND (NOMINAL COMPACTED THICKNESS 30mm).
   - PATHS - 60mm THICK BLOCKS.
   - VEHICLE CROSSINGS OR CARRIAGeways - 80mm THICK BLOCKS.

---

**TRENCH TO BE REINSTATED**

SEE ‘OPTION LIST’ ABOVE.

**EXISTING SEAL OR CONCRETE TO BE CUT**

MINIMUM 100mm OUTSIDE ACTUAL TRENCHLINE.

**200mm COMPACTED M4 BASECOURSE**

(100mm UNDER PATHS AND CROSSINGS)

**COMPACTED RIVER-RUN GRAVEL.**

**SEAL / ASPHALT / CONCRETE**

**GRAVEL / INTERLOCKING PAVING BLOCK**

**REINSTATEMENT**
Dimensions of Cul-de-sac Turning Areas

Refer to Section 6

Not To Scale
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November 2011

DOUBLE SUMPS AND DOUBLE LEADS WHERE CUL-DE-SAC HEAD IN LOW POINT

KERB LINE FOR OFFSET CUL-DE-SAC TURNING AREA

KERB AND CHANNEL

KERB LINE FOR OFFSET CUL-DE-SAC TURNING AREA

KERB AND CHANNEL

GRASS BERM

CONCRETE FOOTPATH

CONCRETE FOOTPATH

GRASS BERM

GRASS BERM

8.0m RADIUS

8.0m RADIUS

9.5m RADIUS

9.5m RADIUS

WIDTHS DEPEND ON ROAD TYPE AND DWELLING UNITS

RADIUS TABLE

<table>
<thead>
<tr>
<th>Category</th>
<th>Radius</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESIDENTIAL</td>
<td>9.5m</td>
</tr>
<tr>
<td>COMMERCIAL</td>
<td>15m</td>
</tr>
<tr>
<td>INDUSTRIAL</td>
<td>15m</td>
</tr>
</tbody>
</table>
Turning Areas for Cul-de-sacs

Refer to Section 6

Not To Scale
Original Size A4

Sheet R19
November 2011