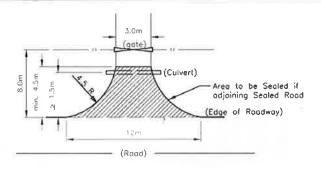
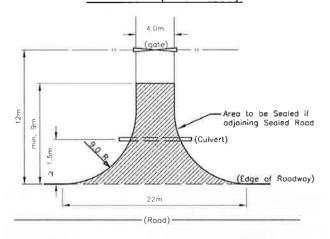
Appendix 4:

Vehicle Entranceways - Rural



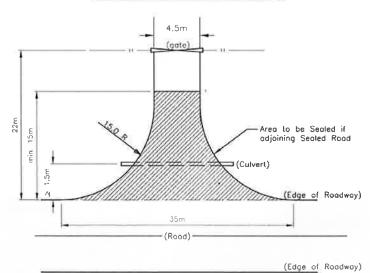
(Edge of Roadway)

ENTRANCE (2.0Ha or less)



(Edge of Roadway)

ENTRANCE (over 2.0Ha to 20Ha)



(0040 0)

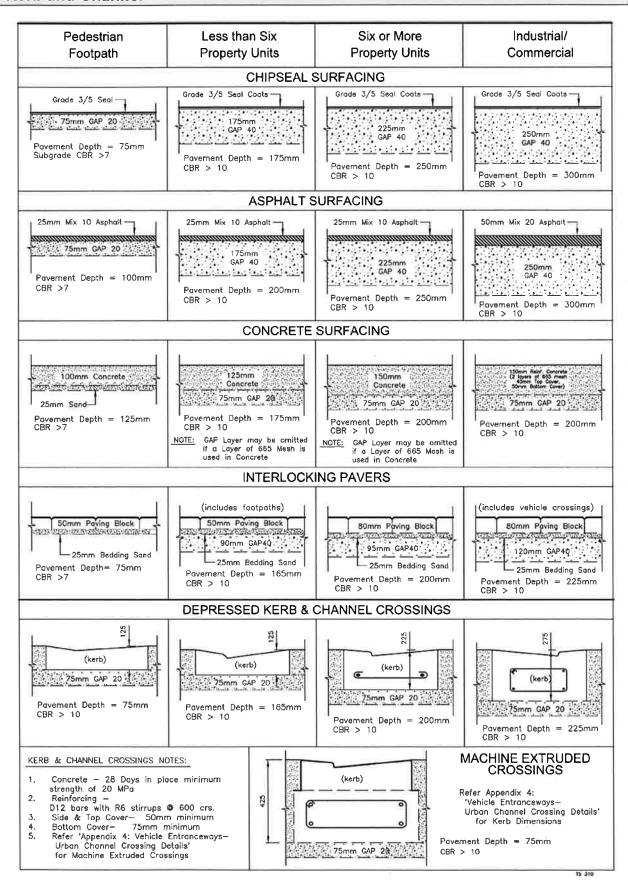
ENTRANCE (over 20Ha)



LONG SECTION OF PROPERTY ENTRANCE

Also refer Appendix 5 and OTOROHANGA DISTRICT COUNCIL Evaluation and approval of new rural entrance guidelines

Appendix 4: Pavement Cross Section Details – Footpaths, Vehicle Crossings & Depressed Kerb and Channel



Appendix 4:

Vehicle Entranceway Notes

1.0 GENERAL

- 1.1 ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING NOTES AND TO THE SATISFACTION OF THE ENGINEERING MANAGER.
 Additional requirements to those shown in Appendix 4 may be necessary for a particular location and will be determined on site by the Engineering Manager.
- 1.2 The Contractor shall be responsible for traffic control while undertaking work within the road reserve. All signage to be in accordance with Transit New Zealand's COPTTM for vehicle counts over 500vpd; and COPTTM Local Road Supplement (LRS) for vehicle counts up to 500vpd.
- 1.3 The Contractor shall be responsible for the cost of repairs to any underground utility services damaged during construction. Any damage shall be rectified to the satisfaction of the Utility Owner.
- 1.4 A Residential Vehicle Entrance is considered adequate to accommodate a 5m long car turning into a property at a radius of 7.5m.
- 1.5 The centreline of the entrance formation meeting the carriageway shall not exceed angles over 30 degrees from the perpendicular to the road centreline.
- 2.0 LOCATION
- 2.1 Each entrance shall be located to provide clear sight distance in both directions in accordance with Appendix 5: Entranceway Sight Visibility and Separation Distances).
- 3.0 CULVERT
- 3.1 If an entrance crosses a public drain the Contractor shall notify Otorohanga District Council who will advice of the correct culvert diameter.
- 3.2 Where an entrance crosses a watertable or small drain (less than 2m wider by 1m deep), a 300mm diameter minimum Reinforced Concrete Rubber Ring Joint (R.C.R.R.J) class X pipe shall be installed.
- 3.3 Any unsuitable bedding material including vegetation, topsoil and peat shall be removed and replaced in accordance with pipe manufacturers specifications.
- 3.4 All culverts shall be laid straight at a constant grade, a minimum of 1.5m from the edge of carriageway. The socket end shall always be uphill.
- 4.0 SUB-BASE
- 4.1 A minimum CBR of 5% is required before placement of sub-base material. If this CBR cannot be achieved, Councils roading staff can advise how to proceed. This may involve an additional depth of pavement construction, or the installation of geosynthetics.
- 4.2 Pit sand, brown rock or similar material shall be placed, trimmed and compacted to provide 150mm depth of subbase if required. The sub-base shall be placed from the edge of the carriageway to the gate or cattlestop.
- 5.0 BASECOURSE
- 5.1 GAP40 basecourse metal complying with TNZ: M4 & M3 notes, shall be placed, trimmed and compacted to the depth of basecourse as specified in 'Appendix 4: Pavement Cross Section Details Footpaths, Pavement Vehicle Crossings & Depressed Kerb & Channel' from the carriageway to the gate or cattlestop.
- 5.2 Basecourse material shall be trimmed to provide a crown in the centre of the entrance to ensure adequate surface drainage. The crossfall shall be between -3% to -5% from the crown.
- 6.0 SURFACING
- 6.1 Each entrance off a sealed road shall be surfaced with a two coat bitumen / chip sealas a minimum surfacing standard. The surfacing shall be constructed with 180/200 grade bitumen and Grade 3 and 5 chip. Area of seal is to comply with Appendix 4: Vehicle Entranceways Rural, or for urban entrances Appendix 4: Vehicle Entranceways Urban.
- 6.2 If the entrance is off a metal surface road. No additional surfacing over the basecourse material will be required, (sealing is not required).