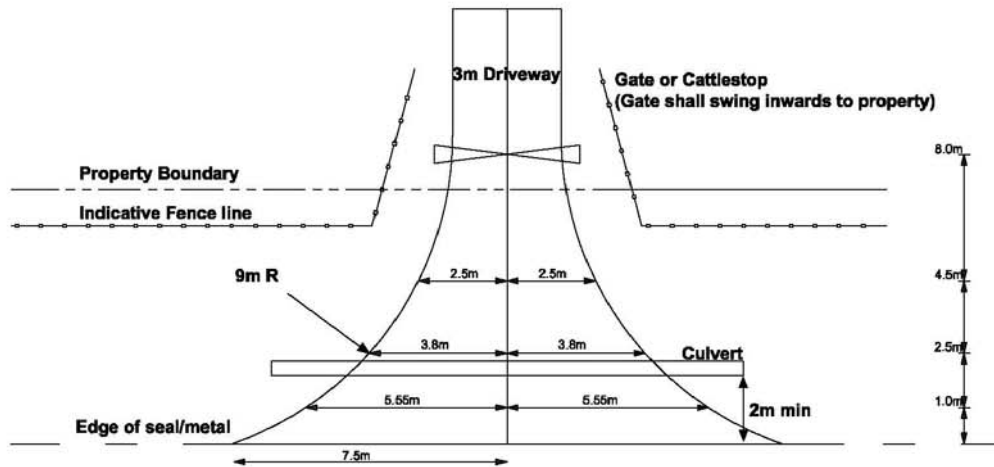


ENTRANCE LONGSECTION



Light Vehicle Entrance for Rural Road
< 2 ha

PLAN

NOTES:

1.0 GENERAL

- 1.1 All works shall be constructed in accordance with the following standards and terms as applicable to site specific conditions.
- 1.2 No work shall be undertaken within the road reserve until Council has approved a traffic management plan.
- 1.3 The Contractor shall be responsible for the cost of repairs to any underground Utility Service damaged during construction. Any damage shall be rectified to the satisfaction of the Utility Owner.

2.0 LOCATION

- 2.1 Each entrance shall be located to provide a clear sight distance in both directions in accordance with Section 3.9.3 of the Development Manual.
- 2.2 Separation distances shall be as indicated in Figure 3.2 of the Development Manual.

3.0 CULVERT

- 3.1 If an entrance crosses a Regional Council Board Drain or major watercourse, the contractor shall obtain certified waterway approval from WAIKATO REGIONAL COUNCIL.
- 3.2 If the entrance crosses a watertable or drain, a 300mm diameter minimum, Reinforced Concrete Rubber Ring Joint (R.C.R.R.J) Class X pipe shall be installed, unless otherwise approved by Council's Roading/Consent Engineer.
- 3.3 Any unsuitable bedding material including vegetation, topsoil and peat shall be removed and replaced in accordance with the pipe manufacturers specifications.
- 3.4 All culverts shall be laid straight at a constant grade and a minimum of 2.0m from the edge of seal or metal. Socket ends shall always be uphill and the pipe shall be extended to a sufficient length, to ensure the resulting batter is not steeper than 1:3.

4.0 SUBBASE

- 4.1 A minimum subgrade CBR of 5 is required before placement of sub-base material. If this CBR cannot be achieved, Council's Roading/Consent Engineer will 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 100mm depth of subbase, if required. The subbase shall be placed from the edge of the carriageway to the gate or cattlestop.

5.0 BASECOURSE

- 5.1 Clean good quality WHAP 40 basecourse metal shall be placed, trimmed and compacted to provide 150mm depth of basecourse from the carriageway to the gate or cattlestop.
- 5.2 The basecourse material shall be trimmed to provide a crown at the centre of the entrance to ensure adequate surface drainage. The crossfall shall be 5% from the crown.

6.0 SEALING

- 6.1 The entranceway shall be sealed in accordance with 3.9.4 of the Development Manual. Sealing shall be a 180/200 bitumen two coat grade 3 & 5 chip seal.