



GUIDELINES FOR CROSSOVERS

Rural Lots



1. This specification details the minimum requirements for the construction of vehicle crossovers to Rural properties. The need for a pipe and pre-cast headwalls will be at the discretion of the Works Manager.
2. Particular care must be taken to locate and protect any public utility, survey marks or other property. Should any public utility, survey mark or other property be located on the proposed alignment of the crossover the property owner shall be responsible for the costs associated with removals or alterations of such.

Where crossovers are constructed privately, the property owner shall cause any damage to public utilities, survey marks or other property to be made good at his expense.

3. The crossover shall generally conform to the levels of the verge and the road formation. The level from the property line to the back of the kerb shall be minus 2% grade. Where there is no kerb, an allowance is to be made for kerbing to a height of 130mm above bitumen.
4. The crossover shall be constructed at right angles to the road formation and located no less than 6m from an adjoining property. No portion of the crossover shall enter the road verge immediately in front of an adjoining property.
5. The crossover dimensions shall be in accordance with drawing DN-05
6. The site of the crossover shall be cleared of all roots, trees and any other vegetation or rubbish.

Where in the opinion of the Works Manager the in-situ sub-base material is of inadequate strength and /or drainage, the site of the crossover shall be boxed out to a depth of no less than 100mm. The formation shall then be formed to the levels and gradients required and consolidated.

7. The crossover shall be constructed from well graded gravel, or crushed road base, free of organic matter, balls or lumps of clay or other deleterious substances.
8. The crossover material shall be laid on the formed sub-base to a minimum thickness of 100mm, compacted and water bound until a slurry forms on the surface. This slurry shall be removed to form a smooth, compacted surface.
9. The crossover shall have a minimum 300mm diameter stormwater culvert for the full width of the crossover. This culvert shall be a reinforced concrete pipe (RCP) and shall be installed parallel and offset to the table drains as determined by the Works Manager.

No exceptions to this condition will be allowed except with the written approval of the Works Manager

10. Culvert ends shall be finished with pre-cast end walls or formed concrete end walls or stone pitching.

Formed concrete shall have a minimum compressive strength of 20Mpa at twenty-eight (28) days.

Stone pitched end walls shall be constructed of hard, sound and durable stone with the joints grouted and left clean. Where possible the end walls shall be shaped in accordance with drawing DN-05.

All end walls shall be backfilled and left neat and presentable.

11. Upon completion the verge shall be left level and in a neat and safe condition.