



STANDARD SPECIFICATION
FOR GUIDANCE IN THE
DESIGN AND CONSTRUCTION
OF
RURAL CROSSOVERS

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RURAL CROSSOVERS

1. GENERAL

This specification sets out the requirements for the construction of a gravelled vehicle crossing (crossover) and, where appropriate, a bituminised vehicle crossing (crossover) from the edge of the road pavement to the boundary line of any rural location in the Shire of Manjimup.

NOTE:

- i. Where a crossover joins a bituminised road, the crossover shall be bituminised unless otherwise directed by Council.
- ii. Particular care must be taken for the protection of all public utility services, survey marks, Council and private property.
- iii. The term Contractor refers to the person responsible for the crossover.

2. PREPARATION

2.1. Location

- i. Crossover to be located with a minimum of 200 metres site clearance in both directions taken from where the driver of a vehicle leaving property would be located, if this site distance can not be met at any point on property boundary, Council to be notified to arrange an alternative.
- ii. Crossovers are to be constructed at 90° (right angles) to the centreline of the road.
- iii. On corner locations, no crossover, or any portion of the crossover including splays is to be constructed closer than 6.1m from the line of the intersection of the road reserve boundary alignments.

2.2. Dimensions

The minimum width of a gravelled crossover is 4.0m with the minimum width of a sealed crossover being 3.0m.

Maximum width of all crossovers to be 6.0m. Any other requested size to be to the direction of the Shire.

Dimension to be taken from boundary line with maximum 4.0m. radius splays at road side.

2.3. Levels

Levels of a crossover at the fence line to be as follows:

- i. The crossover at the fence line to have the same longitudinal grade (slope) as the roadway. That is, the level for each edge of the crossover to be taken separately from the centreline of the road, the crossover is not to be level (flat) from gate post to gate post at the fence line.
- ii. Only with Council approval may the level be varied due to the general contour of the ground and provided that the flow of storm water will not be restricted.
- iii. Cross fall of the crossover to be such that any storm water falling onto surface will drain off sides into margin or table drains. No storm water is to flow from crossover or drain onto the road surface.
- iv. For roads of widths other than 20.1m and in difficult locations, Council instructions to be requested before work is commenced.

3. CONSTRUCTION

3.1. General

Before any clearing commences, contractor to note existence of rare and endangered flora and if found or unsure contact the Department of Parks and Wildlife.

3.2. Excavation

Where necessary, the site of the crossover is to be first cleared of all vegetation, roots and trees.

Carry out “fill” or “excavation” as necessary to form up the sub-grade to the required levels and gradients. Contractor to supply filling material or remove surplus excavated earth.

Note: no vegetative material or earth spoil to be dumped on the road reserve.

3.3. Basecourse

All crossovers to be built from not less than 150mm (consolidated) road base (gravel) or suitable material approved by the Shire constructed in maximum 75mm layers, watered and compacted, making a total minimum consolidated thickness of not less than 150mm.

3.4. Culvert

3.4.1. Concrete Pipe Standards

A culvert including headwalls must be provided if the vehicle crossover prevents stormwater flow within the vee drains. All pipes and culverts shall conform to the AS/NZS 4058:2007 specifications for precast concrete drainage pipes. Reinforced concrete drainage pipes shall be Class “2” unless otherwise required by Council. They shall have a minimum diameter of 300mm and a minimum cover over the pipes of 300mm.

3.4.2. Headwalls

Headwalls may be constructed in either:

- (a) Rock spoil with concrete joints.
- (b) Concrete headwalls.

Both types must be structurally sound and finished to the satisfaction of Council.

3.5. Bitumen Seal

Any bitumen sealed crossover to have either 150x50 jarrah or treated softwood edging built in down both sides to contain base and wear surface, alternatively have concrete kerbing down both sides to road shoulder but not out to road surface or provide a 600mm wide gravel shoulder outside seal both sides complete with guide posts to contain traffic to sealed surface.

4. SAFETY

Protection of works and the public shall be provided and maintained by the contractor who shall supply and keep supplied as directed, all the necessary signs, barricades, road warning lamps, temporary bridges or any other item that may be required by the local authority. These items must be in place during the works.

Any personnel working within the vehicular thoroughfare must wear retro reflective safety jackets.

Any Contractor constructing a crossover must have public liability insurance that shall indemnify the Council against all claims, demands, proceedings, costs and expenses that may occur as a result of these works.

5. COUNCIL SUBSIDY

A subsidy, as per Council’s schedule of fees and charges, is payable by the Shire of Manjimup. Please note that private developers are not eligible for a subsidy.

RURAL CROSSOVER – STANDARD SPECIFICATION

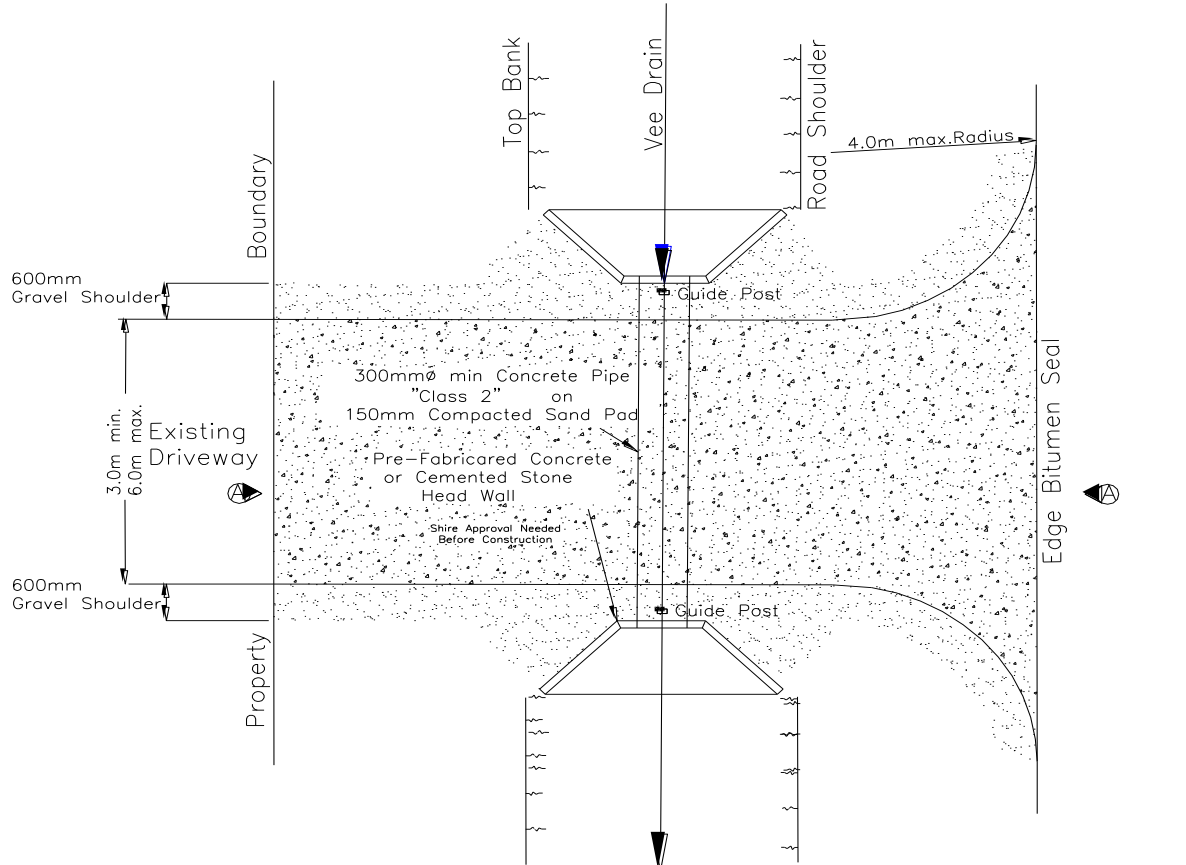
This payment is subject to the application for a contribution being lodged within twelve (12) months of construction and following inspection, the crossover being deemed to conform to specifications.

A claim for this payment should be made on the form titled “Application for Crossover Subsidy” and must include a signed declaration and include any contractors and suppliers receipt.

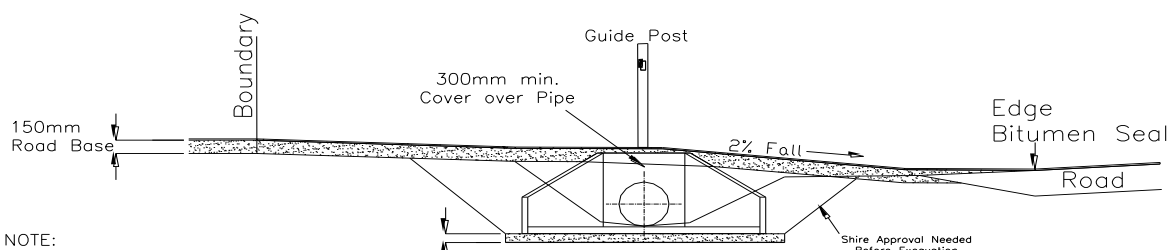
RURAL CROSSOVER – STANDARD SPECIFICATION

Appendix B

EXAMPLE:
BITUMEN CROSSOVER – CULVERT – PREFABRICATED HEADWALLS – BITUMEN ROAD



PLAN A



NOTE:

1. Seal to be 25mm Asphalt or 7.14mm Spray Seal.
2. Can be Brick Paved or Concrete.
3. Gravel Crossover min. Adjoining Gravel Road.
4. Shire to be consulted on diameter of concrete pipe required for culvert.

SECTION AA

Shire approval is required before commencing any construction.

Typical Rural Crossover Plan & section Details	Shire of Manjimup		Date	2014
			Scale	N.T.S.
	Post Office Box 1, Manjimup 6258 Western Australia		Phone: 9771 7777	G Ladhams
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			Ref No.	Ref No.
	THIS IS A CAD DRAWING DO NOT ALTER MANUALLY	Plan No.		Rev. 1