



## APPLICATION FOR CROSSOVER SUBSIDY CONCRETE

**Applicant to Complete**

I, \_\_\_\_\_ wish to advise that I have made arrangements with \_\_\_\_\_  
(Print Name) (Contractor)

to construct a  Concrete crossover to Council's standard specification from the boundary of my property to the road at: \_\_\_\_\_  
(House and Lot Number) (Street Number) (Town and Postcode)

I understand that **NO WORK IS TO COMMENCE** until consultation with the Shire of Waroona's Director Technical Services and that all work must conform to the standard specifications set down by the Technical Services Department of The Shire of Waroona.

I am further aware that if drainage pipes are deemed necessary when constructing the crossover, that the supply and cost of such pipes is my responsibility and that regular care by myself to keep the crossover drainage pipes clear is required in order to prevent flooding problems.

\_\_\_\_\_  
(Signature of Property Owner) (Date)

PH: \_\_\_\_\_ Home \_\_\_\_\_  
 \_\_\_\_\_ Work \_\_\_\_\_  
 \_\_\_\_\_ Mobile \_\_\_\_\_  
 \_\_\_\_\_ Email \_\_\_\_\_  
(Postal Address)

**Contractor to Complete**

I \_\_\_\_\_ Certify that this crossover has been constructed in accordance with Council's standards and specifications. Also, the total cost for the construction of the crossover exceeds \$500.00 and the maximum subsidy of \$250.00 is hereby requested.

\_\_\_\_\_  
(Contractors Signature)

**OFFICE USE ONLY**

Crossover inspected: \_\_\_\_/\_\_\_\_/\_\_\_\_

Comments: \_\_\_\_\_  
 \_\_\_\_\_

Approved for subsidy:  Yes  
 No

\_\_\_\_\_  
Manager Works & services

## APPLICATION FOR RESIDENTIAL CROSSOVER SUBSIDY

### 1. GENERAL

- a. This specification is made pursuant to the provisions of Section 357 and Section 358 of the Local Government Act 1950 – 1982 as may be amended.
- b. The construction of vehicle crossings shall be executed under the supervision of and to the direction of the Manager of Works and Services or his authorised representative (hereinafter referred to as “the MWS”)
- c. All material used in the construction of vehicle crossings shall be in accordance with the standard specification of Council and any materials which are inferior to those specified or as directed by the Director Technical Services shall be liable to rejection and replacement without any payment or compensation being made to the Contractor for the supply, delivery, laying, placing, finishing, removal or disposal of anything so rejected as directed by the MWS.

**NOTE:** The Contractor shall be known as the person responsible for the construction of the driveway.

- d. 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 thing necessary or as may be directed by the Director Technical Services to provide for the safety of the public generally and to protect the works from damage for the minimum period of three days following completion of the works and failure to provide or keep provided shall render the Contractor liable under Section 377 of the Local Government Act 1960 – 1982, as amended. All such protective equipment shall comply with the relevant S.A.A. Code.
- e. Any damage which may occur to any Council facilities or private property or the vehicle crossing itself during the course of the works or which may subsequently become evident from the operation thereof shall be the sole responsibility of the Contractor, legal claims, liability, or any other things which may arise from the carrying out of any such works.

### 2. LOCATION

Crossings shall be positioned as directed by the MWS. Crossings shall be located in such a position as to not cause interference to public utility facilities and shall not be positioned within a corner truncation or closer than 6.5 metres from the property line intersection point at a corner site unless specifically approved by the MWS. Crossings shall be constructed to 90° (right angles) to the kerbline.

### 3. LEVELS

- a. The crossover levels will be as set out in attached specification/drawings all variation from specification/drawings shall be approved by the MWS or his representative.

## SPECIFICATIONS FOR THE CONSTRUCTION OF STANDARD VEHICLE CROSSINGS OVER FOOTPATH RESERVATIONS

### Contents

1. Scope of Works .....	2
2. General.....	2
3. Traffic Control .....	3
4. Materials .....	3
5. Preparation and placement .....	3
6. Tolerances.....	4
7. Contraction joints.....	4
8. Expansion joints .....	4
9. Curing.....	4
10. Backfilling and Reinstatement of verge.....	4
11. Keyed kerbing.....	4
12. Steel Reinforcement .....	4
13. Finish .....	5
14. Clean-up.....	5

#### 1. Scope of Works

The Contractor shall carry out the complete works being;

- Supply of concrete,
- Supply of labour, plant, formwork and materials,
- Traffic control,
- Trenching where required,
- Cut, filling and boxing out of sub-grade shall conform to shape and dimensions of the drawings
- Supply of sub-grade fill material to achieve the design
- Stockpile surplus materials on site as instructed by Principal

#### 2. General

The final shape and dimensions of the driveway shall be in accordance with the attached standard drawing included in this contract; Drawing number WR009-X02.

## SPECIFICATIONS FOR THE CONSTRUCTION OF STANDARD VEHICLE CROSSINGS OVER FOOTPATH RESERVATIONS

### 3. Traffic Control

For each site of works, the Contractor shall submit a traffic management plan for the works. The cost of preparing and implementing this traffic management will remain with the Contractor.

All Traffic Management Plans must be in accordance with the most current version of AS unless overridden by Main Roads WA's Code of Practice. All Traffic Management plans must also meet the following:

- Be prepared and signed by an accredited person
- Must include a Risk Assessment
- Be lodged with Council a minimum of three (3) working days before commencing works, and be endorsed by a Council representative

### 4. Materials

All concrete used shall be supplied in a ready mixed state and shall comply with requirements of AS 1379: Specification and Supply of Concrete. All concrete used in the works shall develop a minimum compressive strength of 25 MPa at 28 days with a maximum slump of 75 millimetres and maximum aggregate size of 14mm.

Non-Residential Crossovers shall be 32 MPa at 28 days with centrally placed SL62 steel reinforcing as per drawing.

### 5. Preparation and placement

The driveway site shall be cleared of all top soil, vegetation, roots, humus and organic material. Only trees nominated by the Principal shall be pruned or removed.

Sub-grade the entire width of the driveway shall be cut or filled as necessary. After excavation or filling, compaction, trimming the finish surface of the driveway sub-grade shall conform to the shape and dimensions shown in the drawing.

The sub-grade for the depth of 250mm (or the depth of fill if greater) shall be compacted to not less than 95% of the dry density obtained from modified maximum dry density compaction tests conducted in accordance with AS 1289-1993: methods of testing soils for engineering purposes.

The driveway will achieve a smooth transition from the layback through the high point back the existing driveway or boundary to eliminate vehicle scraping or bottoming out.

The finished alignment shall conform to requirements of the approved drawings and must not impede the flow of water or be detrimental to adjoining properties.

Variations of levels must be approved by the Principle.

## SPECIFICATIONS FOR THE CONSTRUCTION OF STANDARD VEHICLE CROSSINGS OVER FOOTPATH RESERVATIONS

### 6. Tolerances

The finished product shall be true to the drawing dimensions and finish specified. Tolerances for driveway shall be in accordance with the following requirements:

- the top surface of the layback shall be parallel to the ruling grade of the pavement and free from depressions exceeding five millimetres when measured with a three metre straight edge;
- level  $\pm 5$  millimetres;
- line  $\pm 10$  millimetres to face of layback or gutter line;
- Cross-section dimensions  $\pm 5$  millimetres;
- Width  $\pm 10$  millimetres

### 7. Contraction joints

Contraction joints shall be constructed as per drawing.

Where a foot path intersects a driveway the path section of the driveway will be constructed to foot path design and continues through the driveway.

Provide contraction crack joint along the length of the crossover where the driveway width exceeds 3m.

Provide transverse crack joints where distance from kerb to boundary is greater than 3m.

### 8. Expansion joints

Provide full depth expansion joints 10mm wide and filled with a lock joint expansion joint or similar approved material. Expansion joints shall be located at the property line or intersection of existing driveway, at junction with layback and with existing footpath.

### 9. Curing

Curing the contractor shall provide and maintain protection of pavement against damage of every kind during the period of setting and curing of concrete.

### 10. Backfilling and Reinstatement of Verge

Backfilling to the driveway shall be placed after curing the concrete and acceptance of the kerbing. Backfill material shall be free draining sand or a similar material to the local topsoil, free from debris and compacted to a thickness not less than that of the surrounding natural surface.

### 11. Keyed Kerbing

Where keyed layback is specified on approved drawings, excavation of the base shall be by an approved method. The primed road surface beyond the line of the face of layback shall not be disturbed.

### 12. Steel Reinforcement

Non-residential cross-overs centrally place SL62 Reinforcing steel mesh

## SPECIFICATIONS FOR THE CONSTRUCTION OF STANDARD VEHICLE CROSSINGS OVER FOOTPATH RESERVATIONS

### 13.Finish

The finish shall be obtained by screeding to the correct levels wood floated to provide a nonslip surface free of any depressions, float marks, irregularities, honey comb sections or accumulation of fines dust accretions liable to cause excessive wear.

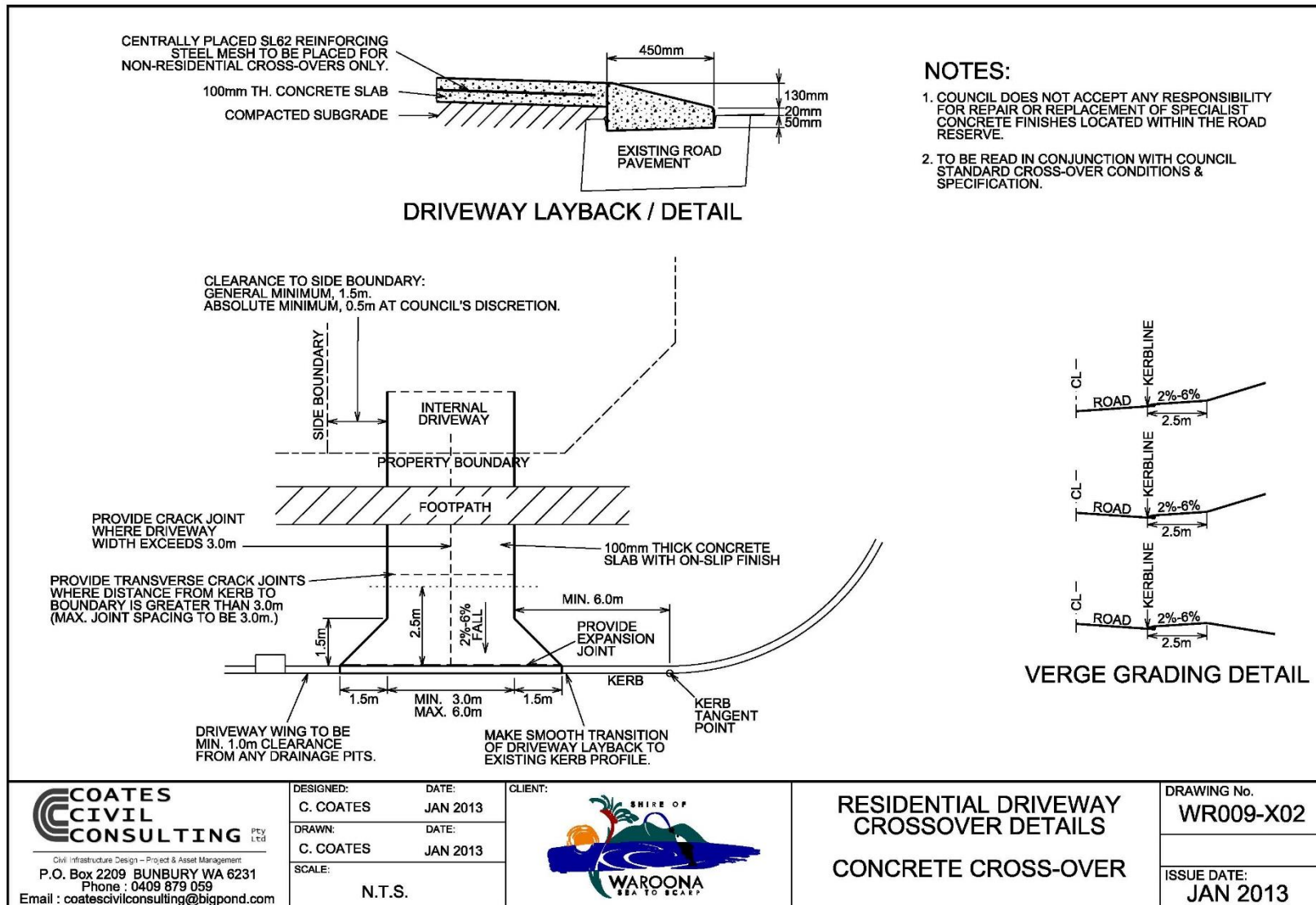
The finish shall be deep broom finish (2mm) with a smooth edge approximately 75mm wide rounded using an edger of radius 10mm at edges and joints. The edges and joints shall be free from irregularities of alignment and/or level.

### 14.Clean-up

Works site shall be kept clear of debris and spoil at all times.

Specification based on IPWEA (WA) Subdivisional Guidelines Edition No.2.1 July 2011

## RESIDENTIAL DRIVEWAY CROSSOVER DETAILS (WR009-X02) CONCRETE



- NOTES:**
1. COUNCIL DOES NOT ACCEPT ANY RESPONSIBILITY FOR REPAIR OR REPLACEMENT OF SPECIALIST CONCRETE FINISHES LOCATED WITHIN THE ROAD RESERVE.
  2. TO BE READ IN CONJUNCTION WITH COUNCIL STANDARD CROSS-OVER CONDITIONS & SPECIFICATION.

**COATES CIVIL CONSULTING** Pty Ltd  
Civil Infrastructure Design - Project & Asset Management  
P.O. Box 2209 BUNBURY WA 6231  
Phone : 0409 879 059  
Email : coatescivilconsulting@bigpond.com

DESIGNED: C. COATES  
DATE: JAN 2013  
DRAWN: C. COATES  
DATE: JAN 2013  
SCALE: N.T.S.



**RESIDENTIAL DRIVEWAY CROSSOVER DETAILS**  
**CONCRETE CROSS-OVER**

DRAWING No. **WR009-X02**  
ISSUE DATE: **JAN 2013**