

Construction of a vehicle crossing associated with medium density/industrial/commercial development

Privacy Statement

The information requested by Council on this form may constitute personal information under the Privacy and Personal Information Protection Act 1998. Council is allowed to collect the information from you to consider this matter. Supplying this information is voluntary. However if you cannot or do not wish to provide the information, we may not be able to consider the matter. If you need further details, please contact the Privacy Officer, Campbelltown City Council, cnr Queen and Broughton Streets, Campbelltown.

LOCAL GOVERNMENT ACT 1993

| | |
|------------------------------|---------------------------|
| Property Description: | Constr. Cert. No: |
| | Dev. Consent No: |
| | Inspection Fee: \$ |

| | | | |
|-----------------------------------|--|--------|--|
| Applicant/Owner's Details: | | Work | |
| Name | | Mobile | |
| Address | | Fax | |
| | | Email | |

| | | | |
|------------------------------|-----------------|---|--|
| Contractor's Details: | | Note: The Law requires that you notify Council of construction details prior to the commencement of any works. | |
| Name | | | |
| Address | | Home | |
| | | Work | |
| Licence No | Expiry Date ... | Mobile | |

| | | |
|--|---|--|
| Construction: | I wish to construct a total of | No. vehicle crossings/laybacks as follows: |
| Industrial/Commercial:No. (Council SD-R10) | | Medium Density: No. (Council SD-R09) |
| <input type="checkbox"/> using standard materials | <input type="checkbox"/> using non-standard materials as follows: | (tick one) |

| | | | | |
|--|----------------|--|--------|--|
| Engineering Design & Specifications must be provided where applicable. Council reserves the right to require construction using standard materials. | Materials | | | |
| | | | | |
| | Surface Finish | | Colour | |

Do you wish Council to provide a quotation for the work? NO ☐ YES ☐ Quote No.

I, the undersigned, formally apply for approval to construct vehicle crossing(s) as above in accordance with :

- | | |
|--|--|
| 1. The Conditions of Development Consent | 3. The Attached Plans and Specifications |
| 2. The Approved Construction Certificate | 4. Council's Standards |

I have read and understood the information and data attached and I am aware of my obligations in carrying out work within the road reserve. The owner(s) (if different from the applicant) of the above property has consented to the lodgement of this application and to Council entering the property for the purpose of assessing the application and compliance with any approval that may be issued by Council.

| | | | |
|----------------------------------|--|-------------|--|
| Signed: (Applicant/Owner) | | Date | |
|----------------------------------|--|-------------|--|

DATA AND DOCUMENT CONTROL

FOR OFFICE USE ONLY

**COUNCIL QUOTATION FOR VEHICLE CROSSING CONSTRUCTION
ASSOCIATED WITH DEVELOPMENT CONSENT**

Reference No. _____

Inspection Details

| | |
|--------------------------------|-----------|
| Sawcuts ARE / ARE NOT required | Quote: \$ |
|--------------------------------|-----------|

| | | | |
|----------------------------------|--|-------------|--|
| Signed: (Applicant/Owner) | | Date | |
|----------------------------------|--|-------------|--|

**Requirements for construction of vehicle crossings
associated with development consents**

Construction Certificate No: **Number of Crossings:**
Development Consent No: **Fee Paid \$** **Date:**

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Council's Standard Drawings:

| | | | |
|------------|--------|--------------------------------|--------------|
| Page 9&10 | SD-R10 | Commercial/Industrial Crossing | Sheets 1 & 2 |
| Page 11&12 | SD-R09 | Medium Density Crossing | Sheets 1 & 2 |
| Page 13&14 | SD-R08 | Residential Crossing | Sheets 1 & 2 |
| Page 15 | SD-R06 | Roofwater Outlets | |

General Information

1. LEGAL REQUIREMENTS

Under the *Roads Act 1993*, Section 138, it is an offence to construct any works that would include a crossing from the public road to the adjoining land without the consent of the relevant Roads Authority (in this instance Campbelltown City Council).

and

Under the *Roads Act 1993*, Section 218, it is the owner's responsibility to ensure the safety of all users of the footway adjacent to the owner's property. In relation to this, if any liability claims relating to this development are lodged with Council by users of the verge and/or footpath area, they will be passed on to the owner.

2. INSPECTIONS

- ✓ Ring Council's Development Engineers on **(02) 46454482** 9.00am to 4.30pm Mon – Fri.
- ✓ Ring at least **1 working day** prior to the required inspection time
- ✓ Inspections will be arranged on working days, between 9.30am and 3.30pm.

Prior to inspection,

- ✓ All formwork and mastic joints (**full depth**), steel mesh on correct bar chairs and plates must be in place and comply with relevant Australian Standards.
- ✓ Excavations should be complete, free from all loose materials, have a sound base and be true to depth, level and grade.
- ✓ If work is not to standard and further inspection is required, an **additional fee(s)** will be charged.
- ✓ Your co-operation is appreciated. Thank You.

3. COSTS

The applicant is responsible for all costs. These include:

- | | |
|---------------------------------------|---|
| ✓ Traffic/Pedestrian Control | ✓ alterations to services (see section 2.2 of the attached specification) |
| ✓ excavation, | ✓ existing structures (eg fences, gates, driveways and footpaths), |
| ✓ laying of concrete or brick paving, | ✓ roofwater drainage and |
| ✓ backfilling, | ✓ any other works which may be specified or required by Council |
| ✓ turfing, | |

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4. CONSTRUCTION and VARIATIONS

Construction of Vehicle Crossings /Laybacks may only be undertaken by:

✓ Contractor for Owner Applicant or ✓ Council for Owner Applicant

Works shall comply in all respects with the Development Consent, Construction Certificate, relevant plans and specifications provided by Council and with any issued information concerning levels. Work that does not meet these requirements shall be removed and made good at the cost of the Applicant.

Vehicle Crossings and Laybacks must be built to Council Specifications only. Any deviation requires prior written approval by Council, and may incur an additional fee.

5. INDEMNITY

The area of works shall be maintained in a safe condition at all times and the Applicant shall indemnify Council against claims in respect of public risk to a limit of ten million dollars (\$10,000,000).

6. TREE PRESERVATION

No tree is to be cut down without the written consent of the Council in accordance with Council's Tree Preservation Order. All flora are to be preserved where practicable.

7. SILT CONTROL

The applicant is to install EPA approved silt control devices so that in the event of rain or while using water for washing or cutting concrete or asphalt, all coarse/fine particles are intercepted prior to entering Council's stormwater system.

For more information, contact Council's Environmental Officer or the Environment Protection Authority on 131555.

Note: On the spot penalties up to \$1,500 will be issued without any further notification or warning for any non-compliance with this requirement.

8. SERVICE LIFE

The applicant and subsequent owners must maintain the crossing and or layback in good repair throughout its service life and arrange replacement when it is considered by Council to be beyond repair.

9. RESTORATION of NON-STANDARD CROSSINGS

Any future works undertaken by Council or Public Utility Authorities which affect non-standard crossings will be restored using **plain reinforced concrete** only. Restoration of non-standard finishes is the responsibility of the owner.

In this regard, if a crossing is constructed from interlocking block units the applicant is advised to keep a small quantity of them for possible future use.

DATA AND DOCUMENT CONTROL

Specification

1. GENERAL

Compliance

Works shall comply in all respects with the Development Consent, Construction Certificate, relevant plans, Council's Engineering Design Guide, and these specifications. Council reserves the right to vary its specification(s) where considered necessary.

Non-standard materials

Application for crossings in materials not listed will be considered by Council on their merits. Any such application should be supported by documentary evidence of the suitability of the proposed material, safety and existing use.

Council reserves the right to refuse permission to construct Vehicle Crossings in any material other than standard materials.

2. PRIOR TO CONSTRUCTION

2.1 Safety & Traffic Control

All work in the road reserve shall be carried out with a minimum of obstruction to pedestrian and vehicle traffic. A **Traffic Control Plan** shall be submitted to Council's Development Engineers for approval prior to commencing works if it is intended to divert pedestrians into roadway areas or vehicular travel lanes are affected.

All works undertaken in a public place are to be maintained in a safe condition at all times. In this regard, the applicant shall ensure that a safe fully signposted passage minimum 1.2 metres wide, separated from the works and moving vehicles by suitable barriers and lights, is maintained for pedestrians at all times and that traffic control is undertaken and maintained strictly in accordance with AS 1742.3, the requirements set out in the RTA manual "Traffic Control at Work Sites" (as amended), all applicable Traffic Management and Control Plans and that any Work Cover Authority requirements are met. If using star pickets, safety caps must be fixed at all times to ensure pedestrian safety.

Council may at any time and without prior notification make safe any works Council considers to be unsafe, and recover all reasonable costs incurred from the applicant.

2.2 Alterations and Damage to Mains, Services and Drainage Structures

'**Dial Before You Dig**' is a FREE enquiry referral service for information on underground pipes and cables anywhere in Australia. Avoid damage to underground cables and pipes by finding out where they are located before undertaking any excavation.

Contact the 'Dial Before You Dig' Service on 1100 from 8.00am - 5pm weekdays. Call no less than two working days before the job is due to start. Neglecting to call 1100 before excavating can lead to costly disruption to essential services, injury or death to workers or the public and lengthy delays to work.

The cost of any damage or alterations to utility services shall be borne by the applicant.

The applicant shall obtain advice regarding any additional ducting required from relevant Service Authorities. In this regard Council may require written advice from service Authorities prior to clearance that their requirements have been met.

Any alterations proposed to Council stormwater pipes or drainage structures will require prior Council approval. Any approved alteration or repair shall be at the applicant's cost.

DATA AND DOCUMENT CONTROL

3. DURING CONSTRUCTION

3.1 The work

The work shall be constructed in-situ to comply with the Construction Certificate and the attached plans, and shall be true to the grades shown on the drawings and without local irregularities.

3.2 Subgrade

All soft and yielding and other unsuitable material shall be removed and the subgrade shall be thoroughly compacted and finished to a firm, smooth surface of uniform bearing value.

3.3 Formwork

Formwork shall be full depth and built true to line and braced in a substantial and unyielding manner. It shall be mortar tight and the interior surfaces shall be adequately oiled, greased or soaped to ensure non-adhesion of the concrete. The material used for exposed surfaces shall be fixed softwood timber dressed on one side and both edges. Undressed timber may be used against unexposed surfaces. Formwork is to be provided at all vertical faces (including the 25mm 'step' at the rear of the gutter).

3.4 Reinforcement

Steel reinforcement fabric shall be as defined in Australian Standard 1304 "Hard drawn steel wire reinforcing fabric". All reinforcement shall be free from rust, grease, tar, point, oil, mud, mill scale, mortar or any other coating, and shall be stored under a waterproof shelter, supported above the surface of the ground.

Reinforcement, when in position, shall be overlapped and secured to Australian Standards on approved bar chairs and plates against displacement due to the flow and working of the concrete, and have a minimum clear cover of 50mm.

3.5 Mixing at Site

Mixing at site is not permitted.

3.6 Ready Mixed Concrete

Ready mixed concrete shall have a slump of 80mm, characteristic 28 day strength (F_c) of 25 Mpa minimum and conform with Australian Standard 1379 – 1991.

Addition of water on site is not permitted.

3.7 Placing Concrete

Care shall be taken to fill every part of the formwork by continuous tamping, spading or slicing and to work the coarsest aggregate back from the exposed surfaces. Exposed surfaces of concrete shall be struck off and broom finished, and corners and edges so drawn shall be left neatly rounded. Care shall be taken not to overwork or segregate the mix, and concrete shall not be disturbed after it has been in the formwork for ten (10) minutes.

3.8 Expansion Joints

Expansion Joints shall be constructed where shown on the standard drawings. They shall be vertical and filled with a mastic strip of fibre and bitumen ten (10) mm thick, and extend the **full depth** of the slab.

In this regard all junctions with existing kerb and gutter and slabs shall be cut cleanly to their full depth to provide a flat face and a mastic expansion joint shall **fully cover** the cut face. Joints against rough or broken concrete work will be rejected.

Where a vehicle crossing connects to an internal concrete driveway, an expansion joint shall be placed at the boundary line. An expansion joint shall also be placed at the back of the layback.

All false joints on the vehicle crossing and footpath slabs shall be made to form straight, well defined lines, using an appropriate jointing tool or subsequent saw-cutting.

3.9 Construction Using Interlocking Concrete Pavers

Interlocking concrete pavers shall comply with and be laid in accordance with the manufacturers specification and relevant Australian Standards. For industrial/commercial crossings, a design based on maximum loadings shall be prepared and certified by a structural engineer and submitted to Council for approval.

3.10 Removal of Kerb, Gutter and Layback

For all vehicle crossings, the full kerb and gutter shall be removed. The Contractor is to excavate a minimum of 150 mm from the lip of the gutter to allow placement of front formwork and saw-cut a further 150mm (300 mm from the lip of the gutter) as per the attached drawing. The road pavement shall be reinstated by Council at the applicant's cost.

3.11 Curing and Protection

Suitable curing methods shall be used in accordance with Australian Standards. All work shall be protected from damage and graffiti during curing and shall be replaced at the applicant's expense if required by Council.

3.12 Surface Finish

On plain concrete, the exposed surface shall be broom finished with bull nosed edges to leave the surface plain and smooth and uniform in colour and appearance. All kerb and guttering and laybacks shall be finished with a steel float to leave the surface plain, smooth and uniform in colour and appearance. After removal of formwork, any rough or porous places or holes shall be picked over and dressed up with a two (2) to one (1) cement mortar.

4. FOLLOWING CONSTRUCTION

4.1 Backfilling

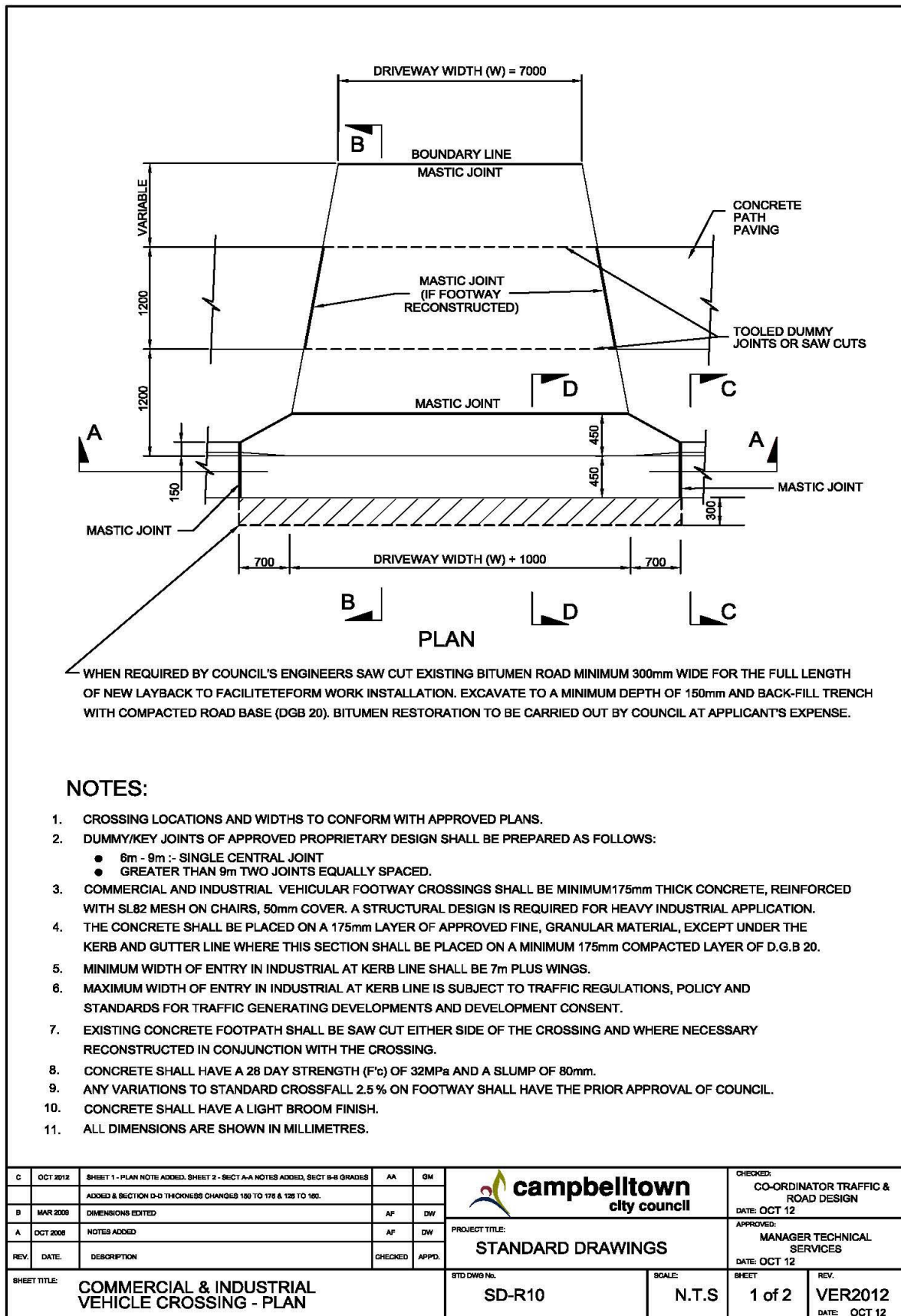
After concrete has set sufficiently, and not sooner than three (3) days after placing, spaces around the sides of the work shall be refilled with sound material which shall be thoroughly compacted in layers of not greater than one hundred and fifty (150) millimetres.

4.2 Regrading and Returfing

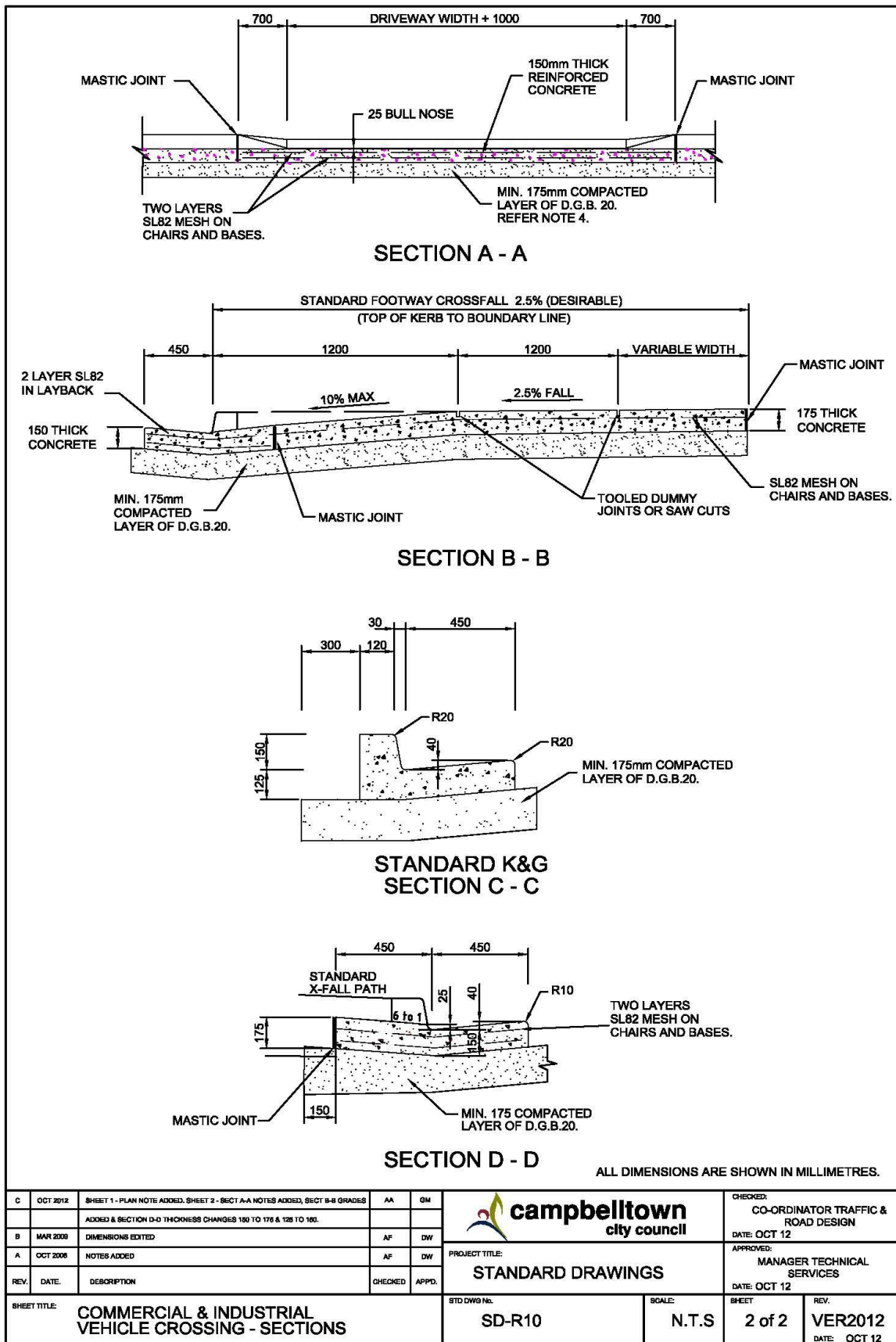
Regrading and returfing shall be undertaken on either side of the concrete work, with a maximum slope of 1 Vertical: 6 Horizontal. Where shown on the attached plans, or as directed by Council's Engineer, the footpath shall be returfed with a grass type to match that existing. All turf laid shall be free of weeds at the time of laying

4.3 Excess Spoil

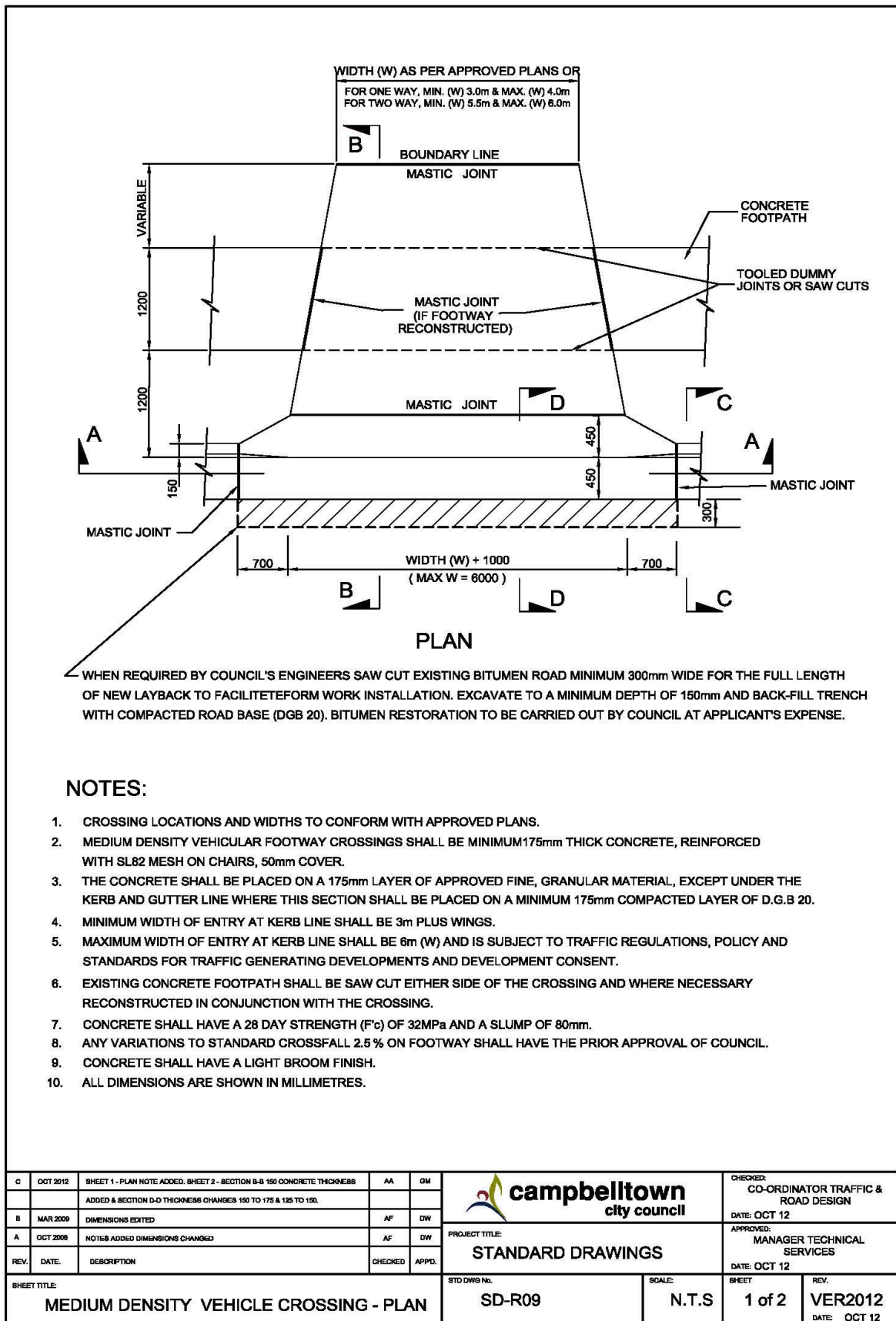
Excess spoil shall be removed from the job and in general the footpath area is to be left in a tidy condition within three (3) days of pouring the concrete.



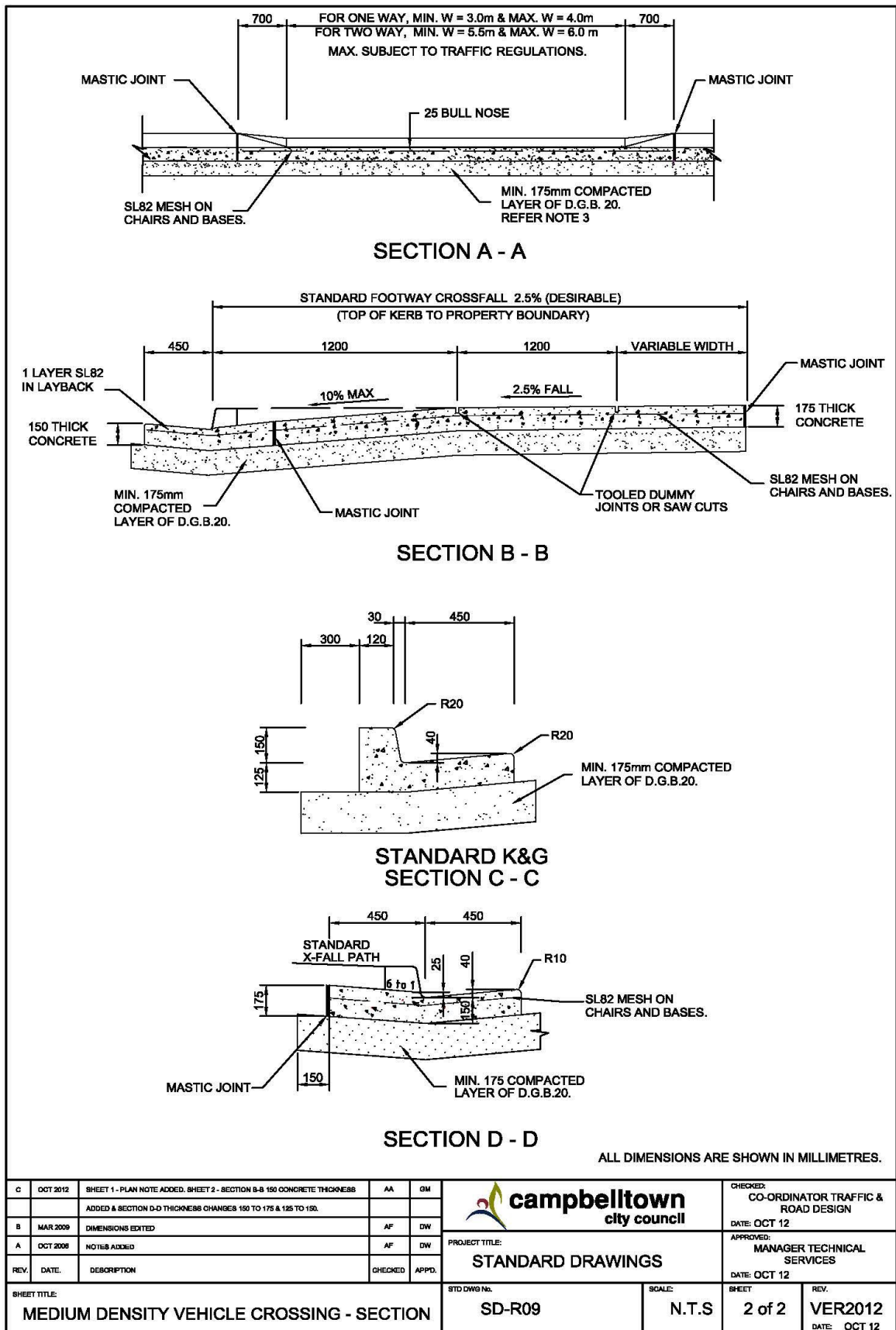
DATA AND DOCUMENT CONTROL



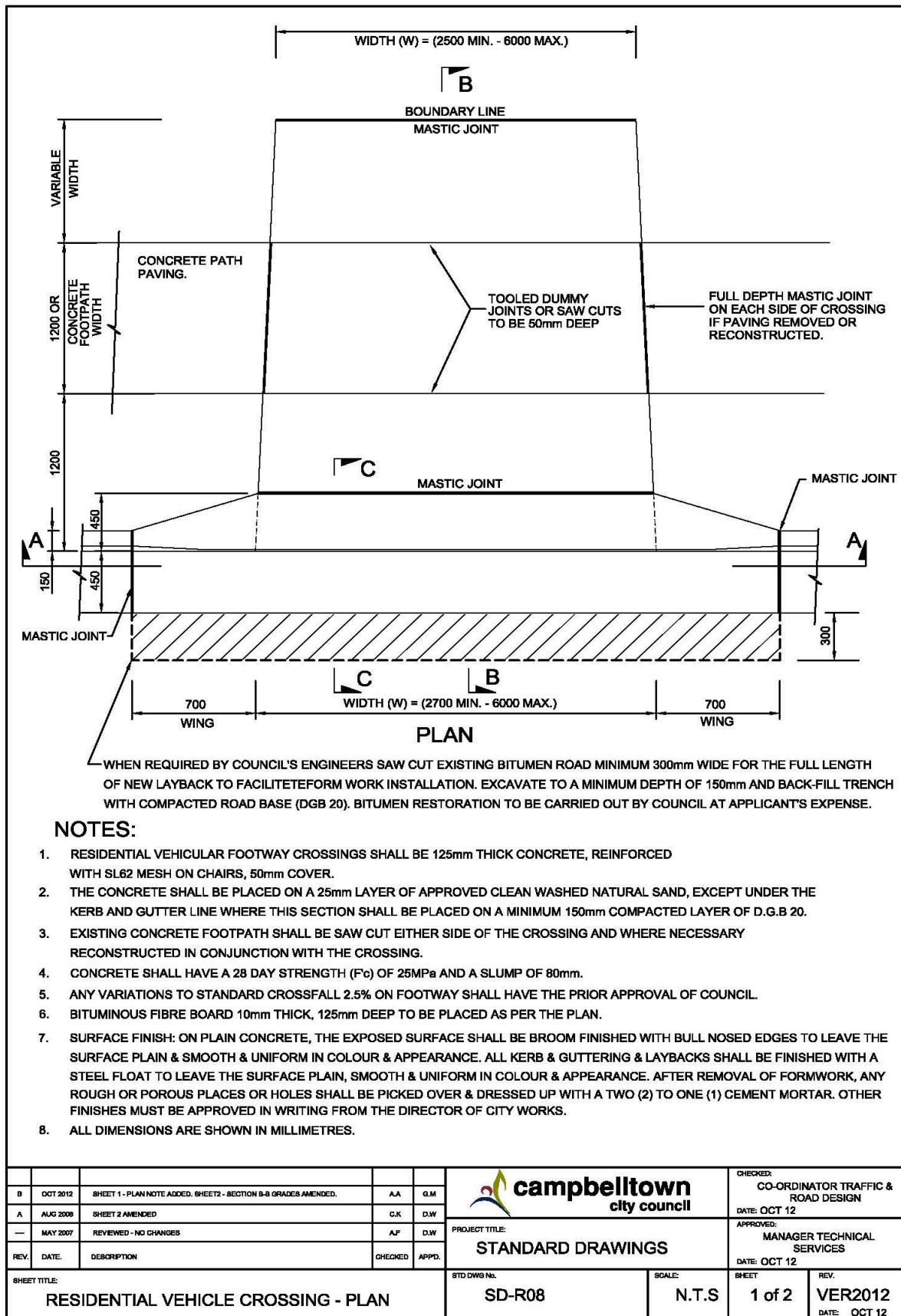
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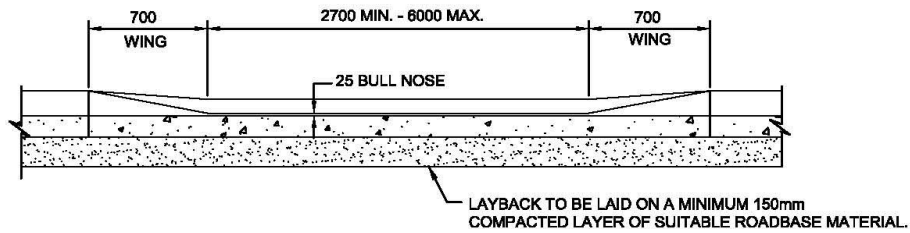
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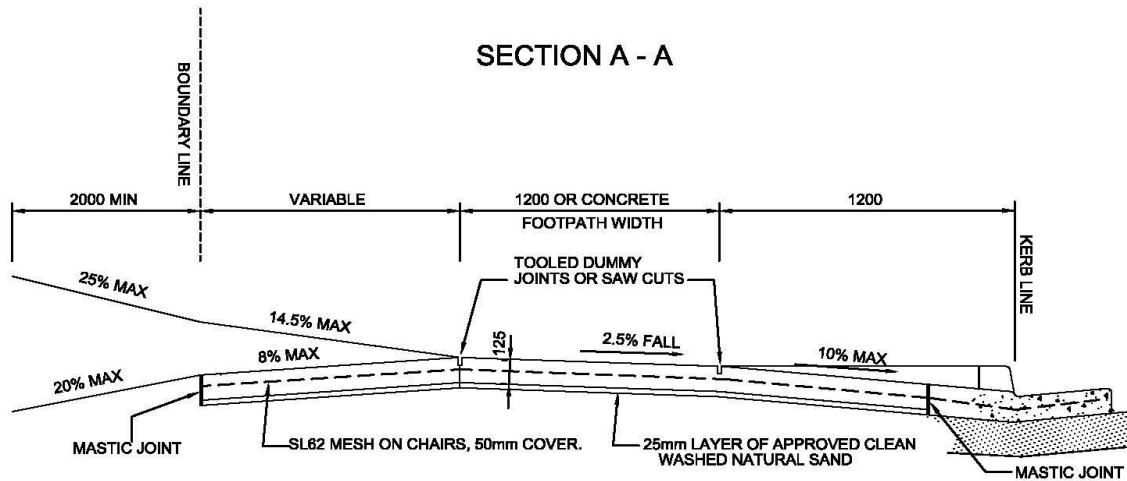
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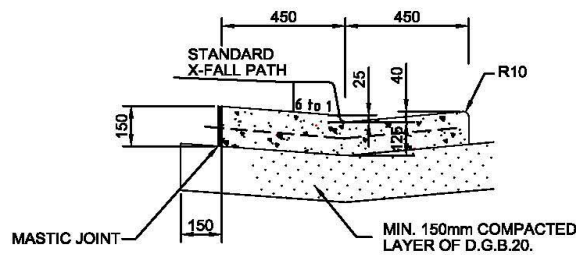
DATA AND DOCUMENT CONTROL



SECTION A - A




SECTION B - B

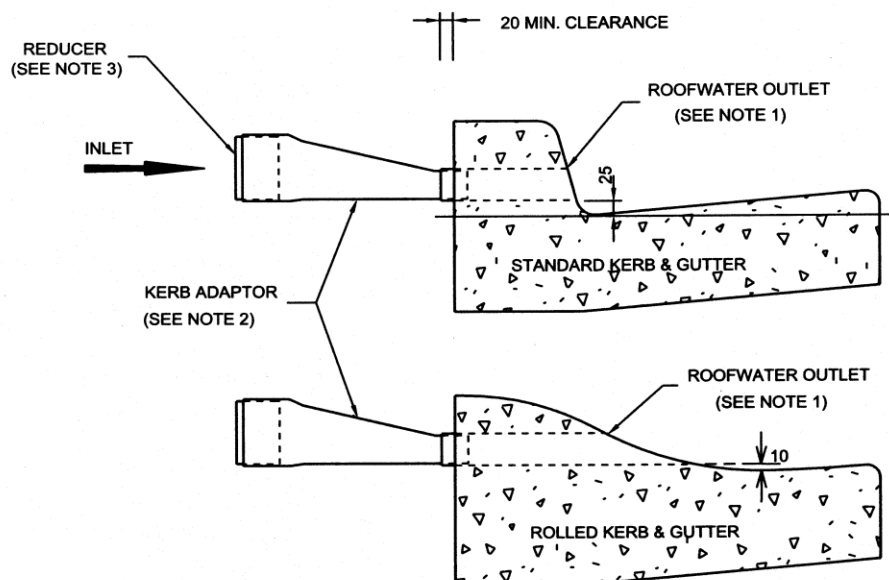


SECTION C - C

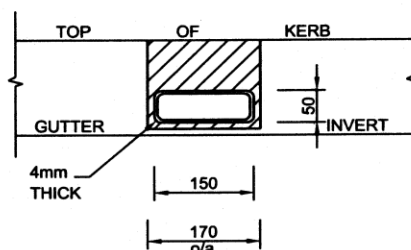
ALL DIMENSIONS ARE SHOWN IN MILLIMETRES.

| | | | | | | | |
|---|----------|---|---------|---|--|---|--|
| | | | |  campbelltown city council | | CHECKED: CO-ORDINATOR TRAFFIC & ROAD DESIGN DATE: OCT 12 | |
| B | OCT 2012 | SHEET 1 - PLAN NOTE ADDED, SHEET2 - SECTION B-B GRADES AMENDED. | A.A | | | G.M | APPROVED: MANAGER TECHNICAL SERVICES DATE: OCT 12 |
| A | AUG 2008 | DIMENSION LINE AMENDED | CK | DW | | | |
| — | MAY 2007 | REVIEWED - NO CHANGES | AF | DW | | | |
| REV. | DATE. | DESCRIPTION | CHECKED | APPD. | PROJECT TITLE: STANDARD DRAWINGS | | |
| SHEET TITLE: RESIDENTIAL VEHICLE CROSSING - SECTION | | | | | STD DWG No: SD-R08 | SCALE: N.T.S | SHEET 2 of 2 DATE: OCT 12 |
| | | | | | | | REV. VER2012 DATE: OCT 12 |

DATA AND DOCUMENT CONTROL



TYPICAL CROSS SECTION




TYPICAL ELEVATION

(SEE NOTE 8)

* ALL DIMENSIONS ARE IN MILLIMETRES

NOTES

1. ROOFWATER OUTLETS TO BE 'CORDINA' TYPE OR SIMILAR, MANUFACTURED FROM 150 X 50 X 4 HOT DIPPED GAL. MILD STEEL, TO SUIT KERB TYPE, TO EXTEND MIN. 20mm BEHIND REAR OF KERB.
2. KERB ADAPTOR TO BE PVC 'CORDINA' TYPE OR SIMILAR, 4mm THICK & 355 LONG, TO SUIT PVC STORMWATER CONNECTION & ROOFWATER OUTLET SECTION.
3. PROVIDE REDUCER, IF REQUIRED, TO SUIT 90 PVC STORMWATER CONNECTION.
4. CHECK ROOFWATER OUTLET IS UNOBSTRUCTED PRIOR TO CONNECTING ADAPTOR.
5. SEAL JOINT BETWEEN ADAPTOR & OUTLET WITH APPROVED SILICON SEALANT.
6. ALL OUTLETS, ADAPTORS & REDUCERS TO BE FROM AN APPROVED MANUFACTURER AND ALL JOINTS TO BE SEALED & WATERTIGHT.
7. PRIVATE USE:
ROOFWATER OUTLETS (FOR USE IN NEW K&G CONSTRUCTION ONLY) AND ADAPTORS ARE AVAILABLE FOR A FEE FROM THE RATES DEPARTMENT, CIVIC CENTRE OR FROM COMMERCIAL SUPPLIERS.
8. COUNCIL USE - FITTING OUTLETS IN EXISTING KERB.
SAWCUT KERB 10mm WIDER & DEEPER THAN KERB OUTLET. BED & BACKFILL WITH 'EPIREZ MUL' OR EQUIVALENT & MAKE SMOOTH JOIN WITH EXISTING KERB. (ROOFWATER OUTLETS & ADAPTOR AVAILABLE FROM DEPOT)

| | | | | | | | | |
|---|------|-------------|---------|-------|---|--|---------------------------|--|
| | | | | |  campbelltown city council | | CHECKED: W. Vandermeer | |
| | | | | | | | DATE: OCT 04 | |
| | | | | | PROJECT TITLE: STANDARD DRAWINGS 2004 | | APPROVED: D. Webb | |
| | | | | | | | DATE: NOV 04 | |
| REV. | DATE | DESCRIPTION | CHECKED | APPD. | STD DWG No. SD-R06 | | SHEET 1 of 1 | |
| SHEET TITLE: KERB WEEPHOLE & KERB ADAPTOR | | | | | | | SCALE: N.T.S | |

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