Residential vehicle crossing application

Use this form to apply to construct a vehicle crossing (driveway) and/or layback across Council land (nature strip/footpath).

This form

1. Your request
2. Declarations and waiver
3. Owner/applicant contact details
4. Contractor(s) details
5. Fees and payment
6. Terms and conditions
7. Specifications

Attachments: Plans A(BS)102S and A(BS)127S

To be completed by Blacktown City

RDA

For help and to return this form

Civic Centre, 62 Flushcombe Rd, Blacktown PO Box 63, Blacktown NSW 2148 DX 8117 Blacktown
www.blacktown.nsw.gov.au council@blacktown.nsw.gov.au 02 5300 6000

1 Your request

Job site (full address of construction site)

Lot # House # Street Suburb

Type of construction

☐ Layback and vehicle crossing ☐ Vehicle crossing only ☐ Layback only

Construction material

ⓘ We do not permit stamped, exposed aggregate or pebblecrete.
Where required a non-slip sealant/finish (to be approved by Council) is to be applied.

☐ **Plain concrete**
☐ **Coloured concrete** Colour Make
☐ **Stencilled concrete** Colour Make
☐ **Paving bricks** Colour Make Pattern
☐ **Hot mix (rural crossings only)**

2 Declarations and waiver

Owner/applicant

☐ I have read the Terms and conditions under section 6 of this application form.
☐ I understand that, if the location of the crossing requires removal of a tree(s), I will need to complete a 'Public tree removal for new driveway or development' application and pay related fees.

Note: the following points (waiver) only need to be addressed by owners applying for brick, paved, coloured and stencilled driveways.

☐ I understand that Council will restore my vehicle crossing only in concrete if it or a public utility authority causes damage. I will pay any additional costs for restoration that requires:
- matching the shape, size, colour or texture of paving bricks
- matching the colour or texture of hot mix
- coloured concrete, stencilled concrete, or the like.

Signature **Date** / /

Concreter

☐ I have read the Terms and conditions under section 6 of this application form.
☐ I have attached a copy of my Licence and Public liability certificate of currency (at least $10 million)

Signature **Date** / /

Paving contractor

☐ I have read the Terms and conditions under section 6 of this application form.
☐ I have attached a copy of my Licence and Public liability certificate of currency (at least $10 million)

Signature **Date** / /

3 Owner/applicant contact details

Full name			
Postal address			
Phone		**Email**	

4 Contractor details

Concreter			
Full name			
Company name			
Postal address			
Email		**Phone**	
Licence number			
Public liability	Insurer	Policy no.	

Paving contractor			
Full name			
Company name			
Postal address			
Email		**Phone**	
Licence number			
Public liability	Insurer	Policy no.	

5 Fees and payment

An application fee applies. This fee covers administration costs and 2 inspections; inspection of the formwork and inspection of the completed works. Fees must be paid and an RDA number received before calling to book an inspection. All inspection bookings are to be made via phone call to 5300 6000. Email inspection bookings are not accepted. Refer section 6.14.

Additional fees apply (refer Section 6.13, 6.15, 6.20 and 6.21) for:

- Pre-inspection consultation
- Urgent inspections
- premature and/or additional inspections
- failure to cancel inspections

Details on current prices can be found in our *Goods and Services Pricing Schedule* available at www.blacktown.nsw.gov.au or on request.

You can pay by:

❑ Cash	You can only pay by cash in person at our Customer Service Centre
❑ Cheque	Cheques are to be made payable to: Blacktown City Council
❑ Credit card	Complete details on page 8 (we destroy card details on receipt of payment)
	Credit card surcharge of 0.5% applies to all credit card payments.

Office use

Application #		Property #		Receipt #	
Authorising officer				Date	

6 Terms and conditions

Applications and assessment

6.1. Council does not construct vehicle crossings or gutter crossings (laybacks), extensions to vehicle crossing or gutter crossings, or the reinstatement of gutter crossings to kerb and gutter.

6.2. Residents seeking to construct a crossing of the gutter and/or footway (area between kerb and property boundary) must submit the application form signed by themselves and a licensed concreter/paving contractor. This is to ensure both parties understand the requirements, process and specification.

6.3. Any change to the type of construction or construction material will require a new application form.

6.4. Any change to the contractor(s) will require completion of the vehicle crossing: Change of contractor form.

6.5. We reserve the right to refuse any application that names a concreter/paving contractor that has outstanding issues with us from previous crossing projects.

6.6. In the case of paved crossings, each contractor for concrete work/paving work will require a separate clearance from us in regard to prior satisfactory completion of their works.

6.7. No sub-contractors may work on the construction of a vehicle crossing without our prior approval.

Permitted construction materials

6.8. Permitted construction materials are identified at section 1 of this application form.

6.9. Regardless of the material, the finished surface:

- must be sufficiently rough to ensure safety for pedestrians and other users, i.e. broom or cove finish
- must not be (in the case of concrete) a smooth steel float finish
- must not be coated with any epoxy type paint or other sealant not approved by Council. These types of surfaces may result in a smooth finish, which can be slippery in wet weather.

6.10. Owners/applicants seeking to construct a crossing with material other than plain concrete must sign the Waiver on the application form.

6.11. We will assess the application based on the applicable plans and specifications (set out under section 7 below).

6.12. We accept no responsibility for the identification or position of property boundaries (either at the street or alongside boundaries).

Inspections

6.13. If the contractor requires a formwork pre-inspection consultation, additional consultation fee will be charged. No consultation will be carried out until this fee is paid.

6.14. We must inspect the work when the formwork is erected (in the case of concrete work) or the base prepared (in the case of brick paving or hot mix work). Formwork inspections must be booked at least 48 hours in advance. Bookings close at 3.00pm each day.

6.15. Owners or concreters/paving contractors may request urgent inspections, additional fee will be charged. No urgent inspection will be carried out until this fee is paid.

6.16. To ensure crossings are properly constructed additional work may be required such as:

- re-alignment or extension of gutter crossing
- reconstruction of any damaged gutter crossing
- connection of roof water pipeline to kerb
- reconstruction of footpath to 125 mm thick

6.17. Our supervisor will advise of any additional work required at the time of formwork inspection. If no one is on site, inspection certificate will be left on site.

6.18. A maximum period of 2 weeks is allowed between the laying of concrete base and the laying of the brick paving.

6.19. Unless otherwise arranged, a final inspection will automatically be carried out 14 days after the formwork inspection date unless otherwise requested. For the final inspection, the formwork must be removed, the area backfilled and levelled with topsoil to the top of the slab, and the area made safe for pedestrians.

6.20. If we are requested to carry out inspections of sites in response to claims by applicants that works are complete or ready for inspection when in fact they are not or if we are required to re-inspect as a result of such a premature request for an inspection, a fee will be charged. No re-inspection will be carried out until this fee is paid.

6.21. Owners or concreters/paving contractors may cancel an arranged inspection prior to 3.00 pm on the previous day by phoning 5300 6000. Failure to cancel will incur an additional fee.

6.22. We may require reconstruction of the work if workmanship or finish is not satisfactory, or if the work is not in line with our plans and specifications (set out under section 7). We may require reconstruction if the vehicle crossing is poured before a satisfactory formwork inspection is carried out.

6.23. We cannot guarantee that cracking or settlement of the construction will not occur in the future and we will not be liable for any claims to repair or reconstruct crossings even though our inspection may pass the work.

6.24. Property owners are responsible for any repairs or reconstruction of crossings.

Concreter/paving contractor responsibilities

6.25. Each concreter/paving contractor is responsible for:

- contacting 'Dial before you dig' on free call 1100 or via www.1100.com.au a minimum of 2 days prior to works commencing to obtain up to date information..
- complying with Work Health and Safety, SafeWork NSW and all other requirements associated with the crossing construction
- public liability insurance, with a minimum value of $10 million
- ensuring the site is kept safe and pedestrians have safe access around the construction site (e.g. barricades, safe lanes). A traffic control plan must be kept on site by the concreter and produced upon request by one of inspectors. The traffic control plan must comply with AS1742.3.
- any damage caused to any public utility by the construction of the crossing
- stopping works immediately if the presence of asbestos or other hazardous materials is identified on site, isolating the affected area and placing warning signs to ensure the safety of the workers and members of the public, and advising Council of the find
- contacting a licenced contractor to arrange for the safe removal of any asbestos or other hazardous material found on site, the cost of removal, and providing a copy of the Asbestos/ hazardous material removal clearance certificate to Council for approval to recommence works
- putting in place and maintaining soil erosion and sedimentation control measures during the entire construction period until disturbed areas are restored. We may issue infringement notices including a monetary penalty, where the maintenance measures fail to meet minimum standards as required by our policy and any Acts of Law.

7 Construction plans and specifications

All residential crossing construction must be in line with plans:

- A(BS)102S 'Standard residential footway and layback crossing' plan, notes and cross sections (2 sheets) or
- A(BS)127S 'Rural vehicular crossing'

and the specifications (detailed below) for:

- residential vehicle crossing in concrete
- residential vehicle crossings in brick paving
- selection of clay and concrete pavers for use in public areas (general)

7.1 Residential vehicle crossings in concrete

7.1.1. All gutter crossings (laybacks) shall be placed on a compacted layer of approved fine crushed rock, 175 mm thick or extending down to the base of the existing pavement, whichever is the greater depth.

7.1.2. Laybacks shall be formed integrally with the gutter section.

7.1.3. Where a new gutter crossing (layback), or an extension to a gutter crossing is to be constructed where there is existing kerb and gutter, the gutter as well as the kerb is to be saw cut at each end and the gutter completely removed as well as the kerb. No mastic joint will be allowed in laybacks and mastic joints in kerb and gutter are to be a minimum of 1 metre apart.

7.1.4. Before pouring the new gutter crossing, it may be necessary to tack an edge board to the surface of the road adjacent to the lip of the gutter so that the correct edging tool can be used. If there has been damage to the edge of the road pavement then the concrete is to be allowed to spill underneath the edge board and then, a suitable time after edging the lip of the gutter, this edge board is to be removed and the top 25 mm of the concrete protruding into the road pavement is to be trowelled out. The edge of the road pavement is to be cut square and then restored with hot mix.

7.1.5. Concrete crossings are to consist of 125 mm thick concrete on 25 mm sub-base of approved granular material e.g. metal dust or sand. Any existing 75 mm concrete path paving is to be removed and reconstructed in line with this specification. All unsuitable material under the proposed apron must be removed and replaced with approved compacted material to a suitable depth.

7.1.6. Where existing concrete path paving can be shown to a minimum of 125 mm thick and structurally sound then it may be retained and drill and dowelled to proposed footway crossing along with full depth mastic joint on each side of path. Refer Note 10 of plan A(BS)102S attached. Any concrete path restored on either side of a vehicular crossing should have a minimum length of 500 mm.

7.1.7. Where existing or new shared path paving (cycleway) is to abut the vehicular crossing, the shared path paving is to be dowelled into the vehicular crossing. Any shared path paving that is to be restored either side of a vehicular crossing should have a minimum length of 1,500 mm.

7.1.8. Concrete shall be reinforced with SL82 on chairs with minimum 35 mm cover. SL82 mesh must be on site and placed at the time of formwork inspection

7.1.9. Concrete shall have a 28-day strength (F'c) of 20MPa and must be kept constantly moist for 5 days pouring to allow the concrete to cure.

7.1.10. Concrete shall have a light brushed finish on vehicle crossings and a steel floated finish on laybacks and on kerb and gutter.

7.1.11. All vehicle crossings must be constructed with a cross fall of 4% from top of kerb to the boundary. Any variation to the standard cross fall must have prior approval of Council. Refer plan A(BS)102S attached.

7.1.12. Joint at street alignment to be either Mastic formed using bitumen impregnated fibreboard, Connolly key joints or 25 mm deep saw cut. When internal driveway is to be built at same time, reinforcing steel is to be continuous across joint at street alignment. Where internal driveway exists the proposed crossing is to be drill and dowelled to driveway along with full depth mastic joint. Refer plan A(BS)102S attached.

7.1.13. Before the formwork inspection for a concrete vehicle crossing can be made, the formwork must be adequately fixed in a place to the correct levels, there must be a 25 mm layer of approved fine granular material in the bottom of the excavation and all joints must be in place.

7.1.14. On completion of construction site to be backfilled with top soil and footway area to be left level and clear of any excess spoil, waste materials and safe for pedestrians. The Contractor is responsible for the backfilling and cleaning up of the site after completion of the works.

7.1.15. All construction is to be in line with Council Plan No. A(BS)102S.

7.1.16. Maximum footway crossing width to be 6 metres except where otherwise directed by development consent conditions.

7.1.17. Roof water pipe to be relocated outside of vehicle crossing and outlet connected to kerb, a minimum of 0.3 metres from top of wing and to Council specifications.

7.1.18. The concreter carrying out work must be licensed and must have in force $10 million public liability insurance cover and at all times maintain the safety of the site to SafeWork NSW requirements.

7.1.19. The concreter must have on site a traffic control plan that complies with requirements of Australian Standard 1742.3 and/or the 'RTA Traffic Control at Work Sites' manual and must be produced to our supervisor upon request.

7.2 Residential vehicle footway crossings in brick paving

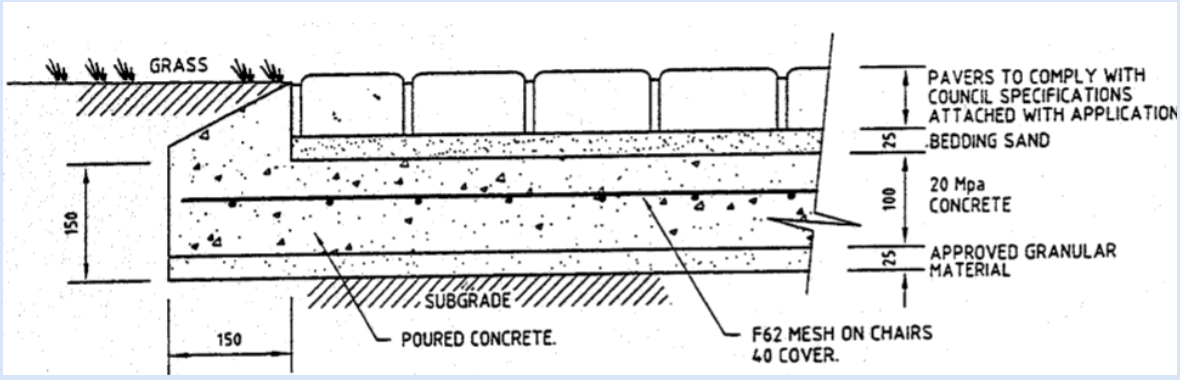
7.2.1. Only pavers complying with specifications at 6.3 below can be used.

7.2.2. Remove all topsoil and organic matter. Excavate the area of the vehicle crossing to the required depth below finished surface level. The actual depth will vary depending upon the thickness of the brick paving used.

7.2.3. The excavation is to be made 150 mm wider on each side of the footway crossing to allow for concrete edge strips. Refer to Council's plan A(BS)102S for more details.

7.2.4. Lay 25 mm of approved granular material in bottom of excavated area.

7.2.5. Construct edge strips in concrete 150 mm wide on each side of 100 mm thick slab using 20Mpa concrete with F62 mesh in line with the detail below. Keep concrete constantly moist for 5 days after pouring to allow it to cure.



7.2.6. Lay 25 mm of sand bedding on the 20Mpa concrete with F62 mesh. The bedding sand should be relatively course like river sand.

7.2.7. Lay the brick paving on the sand bedding (25 mm) having first set out the vehicle crossing with a string line, leaving gaps of 2 to 4 mm between each paver.

7.2.8. Compact the brick paving using a vibrator plate ensuring that the finished level of the brickwork matches the level of existing concrete or brick (e.g. the back of the layback, the edge of existing concrete paving or any concrete pits).

7.2.9. Sweep fine dry sand into the joints between the pavers leaving excess sand over the surface. Use the vibrating plate to vibrate the sand into the joints. Sweep and vibrate until all joints are filled with well compacted sand. Remove excess sand from the surface. Do not wash it down the gutter.

7.2.10. Council cannot be held responsible for matching the shape, size, colour or texture of paving bricks following disturbance by public utility authorities or Council, although every effort will be made. Before commencing construction you must fill out a Residential Vehicle Crossing Application Form and sign the Waiver.

7.2.11. Where a gutter crossing must be constructed or extended in conjunction with the footway crossing construction, the work on the kerb and gutter must be done in accordance with Council's Construction Specification for Residential Vehicle Crossings in Concrete.

7.3 Selection of clay and concrete pavers for use in public areas (general)

Evidence of compliance with this specification will need to be submitted to our Manager Civil Asset Maintenance (or nominee) before approval can be given.

7.3.1. All pavers to have a minimum width to length ratio of 0.45 when actual dimensions are measured in accordance with A.S.N.Z.S 4455:1997 and shall not exceed the following tolerances:

± 40 mm on the length of 20 pavers
± 40 mm on the width of 20 pavers
± 40 mm on the depth of 20 pavers

7.3.2. Footpaths Pavers to be laid in areas trafficked by pedestrians or motorised scooters may be any regular shape such as square rectangular or hexagonal. Other shapes will only be considered after submission of an application in writing (with a representative sample) to the Manager Civil Asset Maintenance (or nominee) who will determine whether to grant or refuse permission for their use.

7.3.3. Roadways Pavers to be laid in areas trafficked by any class of vehicular traffic shall be any regular shape designed to interlock with adjoining pavers and resist movement in both a transverse and longitudinal direction, and subject to the prior approval, obtained in writing, of the Manager Civil Asset Maintenance (or nominee).

7.3.4. The edges to the wearing course shall be rounded or chamfered to a radius not exceeding 5mm.

7.3.5. Pavers shall have re-rolled finish rather than a wirecut finish. All wearing surfaces shall be smooth non-slip, with no sharp projections.

7.3.6. The colour shall be similar to that of the existing pavers in Blacktown's Central Business District (Blacktown Mall). A representative sample of any new coloured pavers shall be submitted to the Manager Maintenance Services for approval. No pavers shall be laid within Blacktown City Council area without such approval being sought and obtained prior to laying. Where an existing paver colour has previously been used within the Blacktown City Council area a representative colour sample need not be submitted, although approval must still be sought (quoting the location of the existing pavers) from the Manager Civil Asset Maintenance (or nominee) before its continued use can be agreed to.

7.3.7. All pavers shall meet the characteristics set out in the following table when tested in accordance with the Australian Standard specified in the table below.

Characteristics	Australian Standard	Minimum	Maximum
Abrasion resistance	AS/NZS4456.9:1997	-	3.5cm³
Compressive strength (concrete)	AS/NZS4456.4:1997	45mpa	-
Characteristic Breaking load (clay pavers)	AS/NZS4456.5:1997	5kN	-
Cold water absorption	AS/NZS4456.5:1997	-	8%
Efflorescence	AS/NZS4456.6:1997	-	Nil
Lime Pitting	AS/NZS4456.13:1997	-	Nil
Co-efficient of friction	AS/NZS4586:1999 AS/NZS3661:1993	50 BPN	-
Transverse Breaking Load	AS/NZS4456.5:1997	5.0kN	-

7.3.8. All suppliers wishing to have their pavers pre-approved for use within Blacktown City Council will need to apply in writing to the Manager Civil Asset Maintenance (or nominee) for such approval. All such applications must be accompanied by a Certificate of Compliance from a NATA registered laboratory stating that all of the above requirements have been tested and have been found to comply with this specification. In addition details of the suppliers manufacturing quality Assurance Accreditation must be supplied.

7.3.9. The Manager Civil Asset Maintenance (or nominee) reserves the right to withdraw pre-approval for any manufacture or product for any reason of non-compliance with this specification at any time.

7.3.10. The Manager Civil Asset Maintenance (or nominee) may grant, at his sole discretion limited approval for the use of non-complying pavers and subject to any conditions he may wish to impose against such approval.

Privacy notice

We are collecting this information to process your request. We may not be able to do so without it. Supplying this information is voluntary.

We will store your personal information on our systems or in our offices, where it will be used by our staff and contractors. Other people can request access to it under the *Government Information (Public Access) Act 2009*.

You can ask us to suppress your personal information from a public register and we will consider your request in line with the *Privacy and Personal Information Protection Act 1998*. Our *Privacy Management Plan* sets out how you can access or correct your personal information. Please visit www.blacktown.nsw.gov.au for a copy of the plan.

Credit card payment details

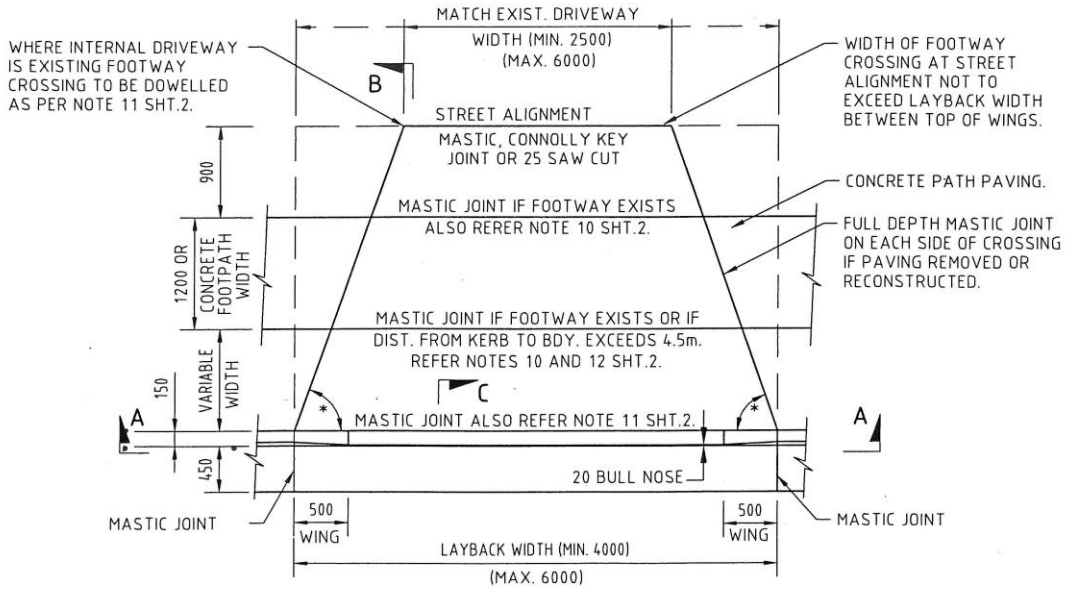
Please debit my ❑ Mastercard ❑ Visa card **Amount** $

Cardholder name

Card number **Expiry** /

Cardholder signature **Date** / /

Credit card surcharge of 0.5% applies to all credit card payments.



PLAN

NOT TO SCALE

NOTE: FOR ALL SECTION DETAILS REFER SHT.2.

NOTES:

1. RESIDENTIAL VEHICULAR FOOTWAY CROSSING SHALL BE 125mm THICK CONCRETE ON 25mm SUB-BASE OF APPROVED FINE GRANULAR MATERIAL. REFER ALSO PLAN A(BS)110.
2. ALL KERB AND GUTTER AND LAYBACK CROSSINGS SHALL BE PLACED ON A 175mm MINIMUM COMPACTED LAYER OF D.G.B. 20 OR TO THE BASE OF EXISTING PAVEMENT, WHICH EVER IS GREATER.
3. ALL CHANGES IN GRADE SHALL BE "ROLLED" ESPECIALLY POINT A , BUT POINT B MUST RETAIN 40mm OF WATER. (LOW LEVEL FOOTWAY).
4. CONCRETE SHALL HAVE A 28 DAY STRENGTH (F'c) OF 20 MPa.
5. CONCRETE SHALL HAVE A LIGHT BRUSHED FINISH.
6. ANY VARIATION TO STANDARD CROSSFALL OF 4% SHALL HAVE THE PRIOR APPROVAL OF COUNCIL'S ENGINEER.
7. CONCRETE SHALL BE REINFORCED WITH RF82 MESH ON CHAIRS WITH 35mm COVER. IN CASE OF BRICK PAVING USE RF62 MESH WITH 40mm COVER.
8. THE STANDARD SHAPE OF THE CROSSING SHALL BE MAINTAINED. HOWEVER, IN SPECIFIC CIRCUMSTANCES AND WITH THE APPROVAL OF COUNCIL'S ENGINEER THE DIMENSIONS MAY BE ALTERED.
9. FOOTWAY CROSSING AND LAYBACK MUST BE A MINIMUM OF 1m OFF POWER POLES AND ELECTRICAL BOXES AND 1m FROM STORMWATER PITS. TELSTRA PITS WILL NOT BE ALLOWED IN FOOTWAY CROSSING.
10. WHERE EXISTING PATH PAVING CAN BE SHOWN TO BE > 125mm THICK IT MAY BE RETAINED BUT MUST BE DRILL AND DOWELLED TO CROSSING ON BOTH SIDES WITH GALVANISED 13ø DOWELLS PLACED 350mm IN FROM EDGES OF CROSSING AND AT 900mm SPACING WITH FULL DEPTH MASTIC JOINT. COAT ONE HALF OF DOWELL WITH SUITABLE MATERIAL TO ENSURE SLIP JOINT.
11. DOWELLING OF LAYBACK TO FOOTWAY CROSSING WITH GALVANISED 13ø DOWELLS PLACED 350mm IN FROM EDGES OF CROSSING AND AT 900mm SPACING IS OPTIONAL BUT RECOMMENDED WITH FULL DEPTH MASTIC JOINT. COAT ONE HALF OF DOWELL WITH SUITABLE MATERIAL TO ENSURE SLIP JOINT. REFER ALSO NOTE 13.
12. WHERE DISTANCE FROM BACK OF LAYBACK TO STREET ALIGNMENT EXCEEDS 4.5m A MASTIC JOINT REQUIRED WITH DOWELLS AS PER NOTE 11. LOCATION OF JOINT TO BE DETERMINED BY COUNCIL'S ENGINEER.
13. ALL DOWELLS TO BE 300mm LONG WITH 150mm PENETRATION INTO EACH SLAB.
14. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
15. THE SECTION OF THE CROSSING ADJACENT TO THE CONCRETE FOOTPATH IS TO HAVE 2.5% FALL, UNLESS MATCHING THE CROSSFALL OF EXISTING FOOTPATH.

REV	DATE	DESCRIPTION	CHECKED	APP.
6	DEC'04	NOTE No.15 ADDED		
5	JUL'03	LAYBACK BULL NOSE REVISED TO 20mm		
4	AUG'02	REVISED AND REDRAWN	-	-
3	JAN'01	CONVERTED TO 2 x A4 SHTS.	-	-

SHEET TITLE: PLAN AND CROSS SECTIONS

Blacktown City Council

PROJECT TITLE: STANDARD RESIDENTIAL FOOTWAY AND LAYBACK CROSSING

CAD FILE: A(BS)102S.DWG

PLAN No: A(BS)102S

SCALE: N.T.S.

DESIGN: -

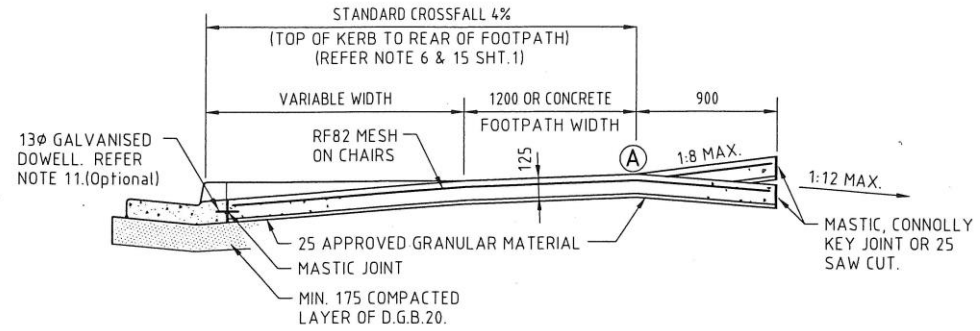
CADD: -

VERIFIED: ##

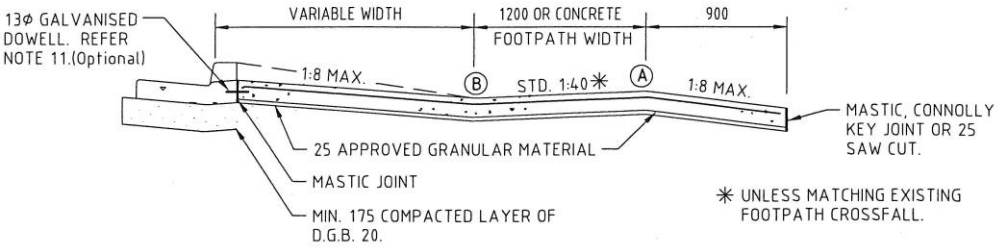
DATE: MAY '02

SHEET 1 OF 2 SHEETS

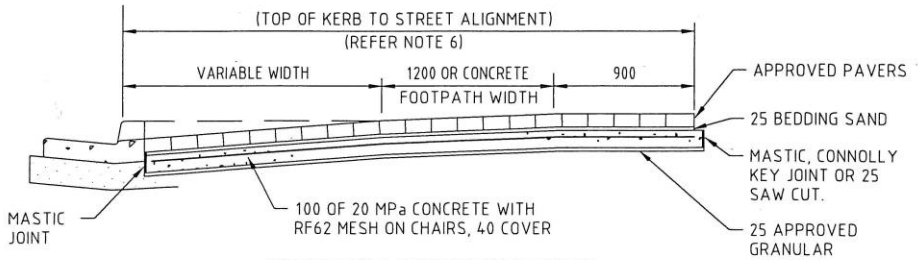
REV: 6



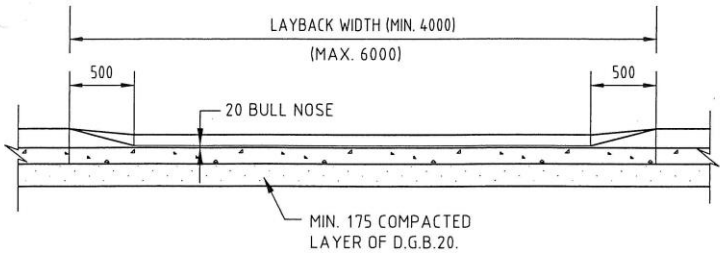
SECTION B - B
STANDARD FOOTPATH
NOT TO SCALE



SECTION B - B
LOW LEVEL FOOTPATH



FOOTWAY WITH BRICK PAVING



SECTION A - A
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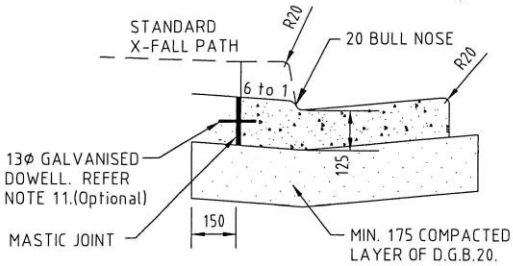


SECTION C - C

NOTE. IN ESTABLISHED AREAS WHERE THE LAYBACK IS IN EXISTANCE WITH 40mm BULL NOSE, THEN THE APPLICANT HAS AN OPTION TO RETAIN EXISTING LAYBACK OR RECONSTRUCT WITH 20mm BULL NOSE AT THEIR COST.

REV	DATE	DESCRIPTION	CHECKED	APP.
6	DEC'04	STD. 1:25 REVISED TO 1:40		
5	'03	LAYBACK BULL NOSE REVISED TO 20mm		
4	'02	REVISED AND REDRAWN	-	-
3	JAN'01	CONVERTED TO 2 x A4 SHTS.	-	-

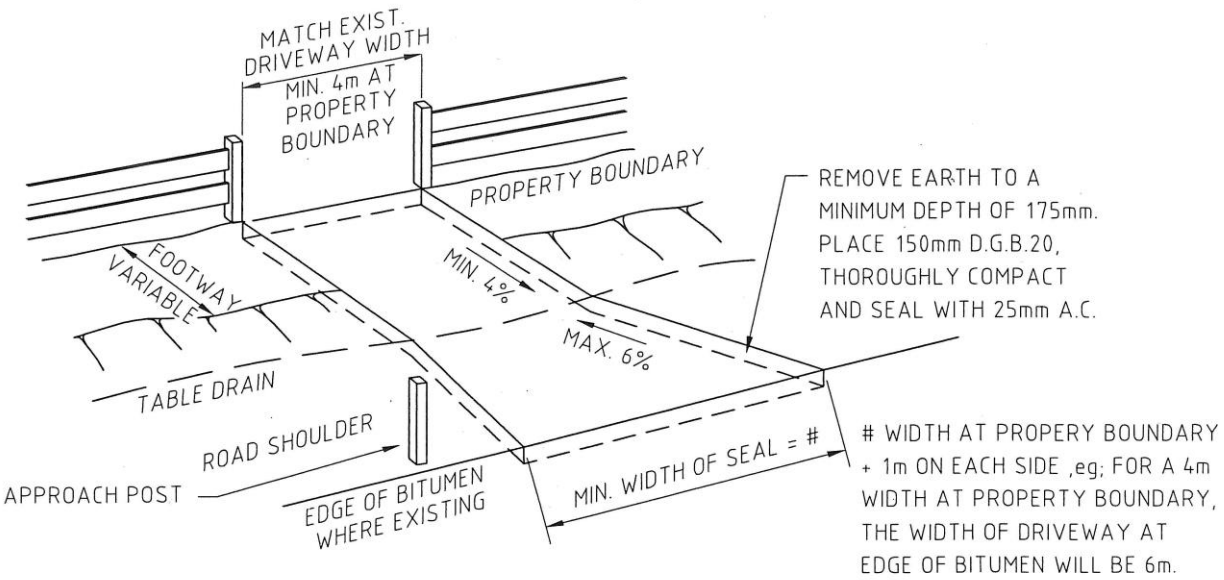
Blacktown City Council

PROJECT TITLE: STANDARD RESIDENTIAL FOOTWAY AND LAYBACK CROSSING

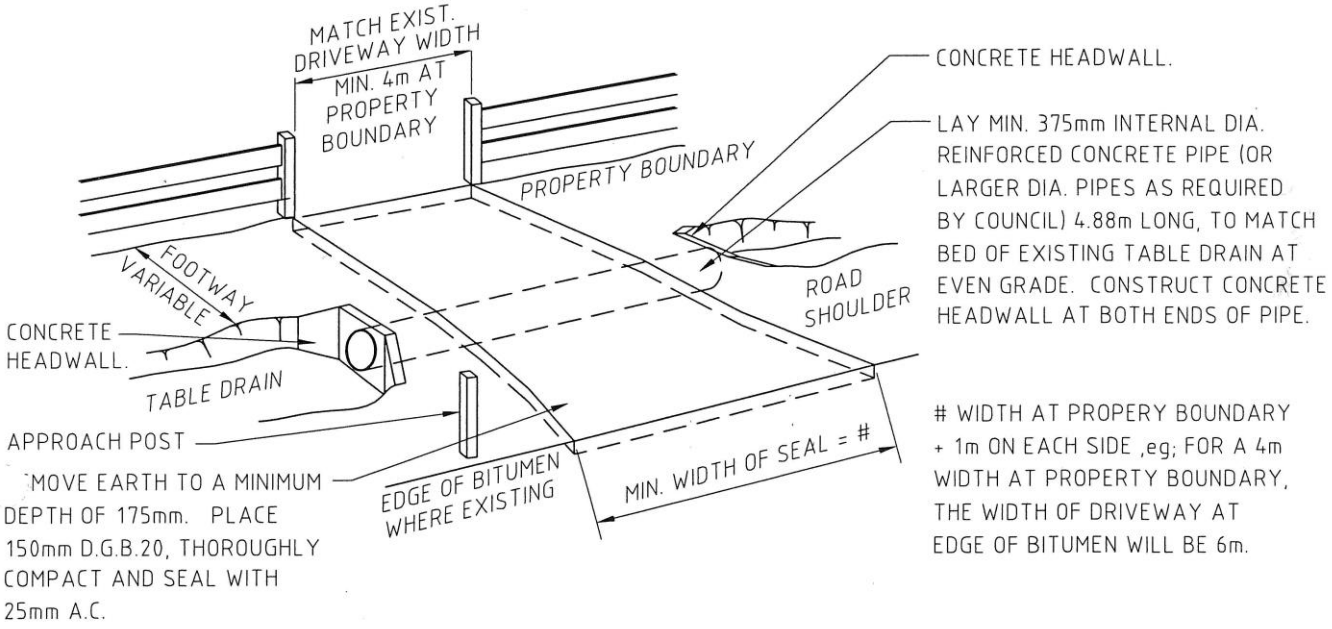
SHEET TITLE: NOTES AND CROSS SECTIONS

DESIGN	SHEET
-	2
CADD	OF
-	2
VERIFIED	SHEETS
##	

CAD FILE:	PLAN No:	SCALE	DATE	REV
A(BS)102S.DWG	A(BS)102S	N.T.S.	MAY '02	6



RURAL VEHICULAR CROSSING - TYPE 1



RURAL VEHICULAR CROSSING - TYPE 2

NOTES FOR BOTH TYPE 1 AND TYPE 2:

1. RURAL VEHICULAR CROSSING STARTING FROM PROPERTY BOUNDARY WILL EXTEND UP TO EDGE OF BITUMEN WHERE EXISTING.
2. A GUIDE POST TO BE INSTALLED FOR SAFETY REASONS ON THE APPROACH SIDE.

REV	DATE	DESCRIPTION	CHECKED	APP.
A	02/04	REVISED AND REDRAWN		

Blacktown City Council

TITLE: RURAL VEHICULAR CROSSING			DESIGN	SHEET 1 OF 1 SHEETS
			CADD K.P.	
			VERIFIED	
CAD FILE: A(BS)127SRurVehCr	PLAN No: A(BS)127S	SCALE N.T.S.	DATE 02/04	REV A