

Vehicular Crossing Specification

HORNSBY SHIRE COUNCIL

Prepared by the Design and Construction Branch

(March 2017)

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PART 1. INTRODUCTION

1.1. Objective

To ensure uniformity in the design and construction of vehicular crossings so that safe and convenient vehicular access to and from parking spaces within a property can be provided.

1.2. Scope

This specification covers all aspects of vehicular crossing construction in Hornsby Shire. It includes the approval process, standards for construction and who is allowed to construct vehicular crossings.

This Specification applies to all residential, commercial, and industrial properties where a vehicular crossing is required.

Vehicular crossings in this Specification, refers to the formal vehicular platform between the kerb line and the property boundary line.

Where a vehicular crossing forms part of a Development Application the issuing of a Development Consent does not automatically guarantee approval of the proposed vehicular crossing. Development Approval relates only to works within the property. Works in the road reserve can only be confirmed when a formal Crossing Application is lodged with Council and written approval is issued by the Crossing Engineer. See 3.11.2.

1.3. Persons who can construct a vehicular crossing

Vehicle crossing can be constructed by either Council or Council's approved authorised contractors, to ensure that construction is to a reasonable standard and uniformity. A quote from Council can be obtained by contacting Council's Customer Service Team on 9847 6666 or visit Council's <u>Vehicular Crossings web page</u> to "View list of Authorised Contractors".

See Section 3.10 for information on how to become an authorised contractor.

1.4. **Definitions**

Below is a list of standard definitions used in this specification and generally used by Council staff. In some instances several words may be used to describe the same thing.

Vehicular Crossing	The footway area between the road kerb (or table drain where no kerb exists) and the property boundary where a vehicle can access a property.	
Road Reserve	The section of land that includes the carriageway, and footway on both sides of the carriageway, usually measured from property boundary to property boundary.	
Layback	The section of kerb that has been removed and replaced in concrete to allow easy vehicle access. Also known as a gutter crossing.	
25 MPa	Concrete strength, in mega-pascals, after 28 days in accordance with AS1379	
CBR	California Bearing Ratio - a measure of strength for material on which a pavement is laid.	
Table drain	An earth gutter where there is no concrete kerb and gutter.	
Invert	The low point in the gutter – adjacent to and below the kerb.	



Crossfall	The slope at right angles to the alignment given to the surface of any part of the carriageway - usually expressed as a percentage.
Carriageway	The portion of the road reserve devoted to the use of vehicles inclusive of road shoulders and auxiliary lanes.
Grade (Gradient)	The rate of longitudinal rise or fall of a carriageway - usually expressed as a percentage.
Property Line	The boundary line between a road and the adjacent land.
Gutter Crossing	See layback.
Formwork	Wooden (sometimes steel) boards used as a mould to contain fresh concrete in the correct position. The formwork is removed once the concrete has cured (hardened).
Footway	The area of the road reserve between the kerb and the property boundary, also known as the naturestrip.
Headwall	Concrete support at the end of a pipe. For crossings these are used in some locations (mostly rural) to support the pipe and road material over the pipe.
Backfill	Material used to fill an area to the correct level. Backfill will be roadbase or soil depending on the proposed purposed.
Roadbase	A graded rock material used to create a base for a road seal (asphalt, concrete of flush seal). Also used as backfill for any depressions before pouring concrete or laying asphalt.
Naturestrip	See footway



PART 2. TECHNICAL DETAILS

2.1. Types of Driveways

Council allows driveways to be constructed in:

- 1. Plain concrete (with broom or wood float finish).
- 2. Coloured concrete (see 2.4.1)
- 3. Stencilled/stamped concrete
- 4. With Pavers (see 2.4.10 for types of acceptable pavers)

2.2. Driveway Locations

A vehicular crossing will not be permitted in the following circumstances:

- Onto a major road if reasonable access can be gained from another public road of lower classification;
- Opposite or within 6.0 metres of a median in a major road;
- Within 25.0 metres of a signalised intersection*;
- Within 9.0 metres at non-signalised intersections*;

* Access may be permitted provided that it is safe to do so and that it can be demonstrated to Council's satisfaction that extenuating circumstances exist, for example, where this is the only point where access can be gained.

The above distances are measured perpendicular from the face of the kerb of the intersecting street (prolongation of the kerb line or tangent point if curved).

A driveway will not be permitted if the proposed parking space within the property between the boundary and building line is less than 5.5m in length, thereby causing a parked vehicle to encroach onto the footway.

Vehicle access shall be located so that minimum sight distances to traffic and pedestrians can be provided. Sight distance to pedestrians shall be met by providing clear sight lines in accordance with AS/NZS 2890.1 Parking Facilities, Part 1: Off-street car parking. Vehicle crossings should not be located where trees exist or too close to the root zone of trees, or too close to power poles where undermining may occur, or other structures that may obstruct sight lines.

Access shall be located so that sight distances are not affected by existing structures such as street trees, earth mounds, bus shelters, and other physical features. Council may not approve the location of such an access if the location will adversely affect sight lines or detracts from the streetscape of the area.

In some circumstances, Council may grant approval for the removal or relocation of these structures, where there is no alternative driveway location. In such a situation, approval must be sought from Council's Crossing Engineer and other sections of Council as required. All costs associated with such work shall be borne by the applicant.

All vehicular crossings must be clear of existing stormwater inlet pits. The removal or reduction in the length of the pit lintel or grating is not allowed, as this would reduce the rate of stormwater collection. However, excluding existing pits located in a depression (sag), if the hydraulic characteristics of the drainage system are not made less efficient, the relocation of the pit may be permitted. Hydraulic calculations from a registered Civil/Hydraulics Engineer showing no adverse impact on Council's Stormwater system may be required. All costs associated with engaging an Engineer shall be borne by the applicant.



If relocation of a Stormwater structure is approved, Council will undertake the works of pit relocation or nominate an approved contractor. All costs associated with the relocation/modification of the stormwater system shall be borne by the applicant.

2.3. Existing Crossings

Existing crossing slabs and laybacks may be re-utilised if;

- The crossing has previously been approved by Council; or
- They are in the correct location, set at the correct levels and in reasonable condition, and;
- Its retention is not contrary to this Specification.

Otherwise, the crossing and layback must be removed. Where the crossing slab and layback is made redundant, it shall be completely removed and the footway area restored to Council's satisfaction. Any existing un-used crossing(s) and/or layback(s) must be removed and the kerb and footpath reinstated/restored at the owners expense to the satisfaction of the Crossing Engineer.

2.4. Driveway Details

The crossing must be constructed at right angles to the kerb unless, due to exceptional circumstances and after individual assessment, the Crossing Engineer authorises otherwise.

No part of a crossing may be constructed in front of a neighbouring property without the approval of Council's Crossing Engineer.

Residential developments are permitted a maximum of one (1) vehicle crossing for vehicle access. Commercial/industrial and multi unit developments will be assessed on their merits.

2.4.1. Finish & Colour

Laybacks can only be constructed in plain concrete. The remainder of the crossing can be constructed using an oxide colouring fully mixed in the concrete (no topping layer). Council allows light brown/yellow and black oxide colouring.

The finishes must be either plain concrete or a flat stamped concrete with an even surface. Cobble (raised) type effects are not allowed as they can be trip hazards. Exposed aggregate (pebblecrete/crushed granite) is not allowed.

Approval is required from the Crossing Engineer before construction for all concrete crossings not using plain concrete or a smooth broomed finish.

All concrete must be finished true to the formwork and the edges finished with an appropriate edging tool. All concrete surfaces shall be finished true and even, free from air and stone pockets, depressions and projections. The concrete shall be tamped and screeded to the correct surface levels and shall be given an even non-skid finish.

Standard concrete finishes are to be soft broom finished in the direction of the kerb and gutter unless it has a gradient steeper than 1 (vertical) to 5 (horizontal), where it shall be finished with a wooden float and then grooved (ensure grooves do not create tripping hazard to pedestrians). The path section behind the apron shall be soft broom finished across the path. All edges of the slab shall be rounded with a 50mm edging tool.



2.4.2. Width

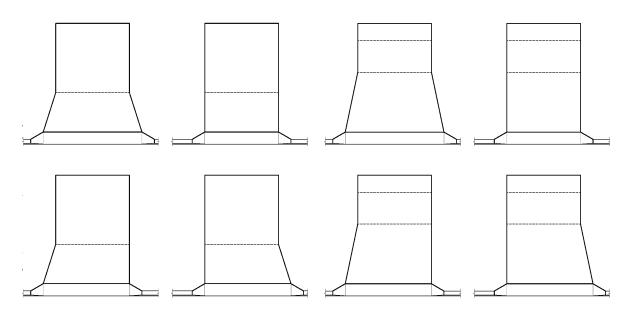
Crossing widths, excluding wings, are as follows:

	Туре	At kerbline	At Boundary
2.	Residential Commercial Industrial	3.5m to 4.5m 6.0m to 6.5m see Crossing Engineer	2.5m to 3.5m 6.0m to 6.5m

In some circumstances variations on the above are required and must be approved by the Crossing Engineer.

2.4.3. Splays

Splays are allowed adjacent to the kerb to allow for easier turning in and out of the crossing. Splays are to be set out as shown below.



The standard splay width is 500mm. Wider splays are to be assessed by the Crossing Engineer.

Driveways must be constructed at right angles to the kerb and cannot splay in the reverse across the naturestrip. The driveway shape may not be skewed at an angle across the naturestrip without individual assessment and approval from Council. See the sketch above.

2.4.4. Thickness

All driveways shall have a concrete slab using 20 MPa concrete of the following thickness:

1. Concrete Residential	125mm with one layer of SL62 mesh
2. Paver Residential	100mm no reinforcement required
3. Residential Heavy Duty Concrete	150mm with one layer of SL82 mesh
4. Heavy Duty Concrete Commercial	200mm with two layers of SL82 mesh



2.4.5. Construction and expansion Joints

All crossings are to have full depth expansion joints as shown in the drawings in section 2.14. Dummy joints are to be used as shown in section 2.14.

Construction and expansion joints shall be provided to the full depth of the slab, as shown in section 2.14, where required or as directed by the Crossing Engineer. The joint shall be filled with a 12mm thick bitumen impregnated material such as a compressible mastic board. Other types of jointing material can only be used at the approval of the Crossing Engineer.

Expansion joints shall separate the concrete apron from the driveway area that it adjoins, that is, in the line with the leading edge of the path.

Concrete footpaths of a standard width of 1.2 metres, shall have expansion joints every 3.6 metres with dummy (tooled) joints to match existing pathways or at 1.2 metre intervals, unless specified otherwise by the Crossing Engineer. Generally dummy (tooled) joint spacings should match the adjoining pavement. For large area replacements, the width of the approved path shall be the spacing of the dummy (tooled) joints.

All concrete must be finished true to the formwork and the edges finished with an appropriate edging tool.

2.4.6. Subgrade

All crossings are to be poured on a suitable subgrade. Excavation is to be to the full depth required for the specified thickness of the proposed crossing slab (see Section 2.4.4). In unstable foundation material (CBR less than 5), additional excavation shall be carried out and a sub-base of 20mm fine crushed rock, or other approved material, to a minimum depth of 75mm consolidated thickness, shall be provided.

Where filling under the proposed concrete is necessary, such filling shall consist of granular material of maximum size of 40mm and shall be spread in layers of a maximum thickness of 150mm and consolidated to provide a 95% compaction when tested under the modified proctor method.

2.4.7. Concrete

All vehicle crossing slabs and laybacks are to be constructed in concrete with a minimum compressive strength of 20MPa at 28 days.

Ready mixed concrete conforming to AS1379 shall be used. The Contractor is to arrange for certificates by the manufacturer to be given for all concrete delivered and shall be able to produce these to the Crossing Engineer upon request.

2.4.8. Slip resistance

All finished surfaces are to be non slip in accordance with AS4586 (Slip resistance classification of new pedestrian surface materials) and AS 3661.1 (Slip resistance of pedestrian areas). If a crossing does not comply with these standards it will not be finalised.

2.4.9. Clearance

Crossings must be at least 1m clear of any post, pole, tree or stormwater pit unless specifically authorised by Council's crossings inspector due to exceptional circumstances. Stormwater outlets must not be located in the layback. Also see Section 2.2.



2.4.10. Paver types

Pavers are to be of a standard to withstand a traffic load in accordance with the table below. Generally these pavers are 100mm thick. A copy of the paver specification showing compliance with the following standards is to be forwarded to the Crossing Engineer prior to laying the pavers.

Characteristics	Australian Standard	Minimum	Maximum
Abrasion resistance	AS/NZS4456.9	-	3.5cm ³
Compressive strength (concrete)	AS/NZS4456.4	45MPa	-
Characteristic Breaking load (clay pavers)	AS/NZS4456.5	5kN	-
Cold water absorption	AS/NZS4456.5	-	8%
Efflorescence	AS/NZS4456.6	-	Nil
Lime Pitting	AS/NZS4456.13	-	Nil
Co-efficient of friction	AS/NZS4586 AS/NZS3661	50 BPN	-
Transverse Breaking Load	AS/NZS4456.5	5.0kN	-

Pavers must be laid on a 25 mm sand bedding over a 100mm thick concrete (unreinforced) base slab. The crossing pavers must be laid within 30 days of the approval of the formwork for the base slab. Suitable temporary ramps are to be provided at the edges of the base slab where necessary, to eliminate trip hazards pending the laying of the pavers.

2.5. Driveway Levels

No work shall commence without the written permission from Council. All Driveway levels will be issued by the Crossing Engineer after submitting a correctly completed and fully paid application. Levels are normally issued within five working days of an application being lodged.

2.6. Public Utilities

The Authorised Contractor is responsible for determining the location of public utility mains and services and for the cost of any necessary alterations and / or repair resulting from the construction of the crossing. All protective boxes over any hydrant, gas cocks, stop valves, sewer lines, and the like shall be adjusted, in consultation with the relevant utility authority, so that they are flush with the finished surface. Proof of consultation with relevant service authorities may be required by Council.

A full search of all Public utilities/services should be undertaken by the contractor by using the Dial before You Dig service.





If, at some time after the construction of a crossing, a public authority has to remove part of the crossing to construct or maintain its installations, the crossing will be restored by Council in plain concrete, regardless of the type of finish on the remainder of the crossing. Approval to construct a crossing will not be given unless the property owner has signed the Owner's Declaration on the Application to Construct Vehicular Crossing from the Roadway to Property acknowledging this requirement.

2.7. Traffic Control

Traffic Control Plans appropriate to the construction of vehicular crossings must always be implemented for every worksite. This is to provide a safe work site for workers and the public.

Copies of the appropriate plans can be found in the RTA publication "Traffic Control at Work Sites". This publication can be found on the RTA website:

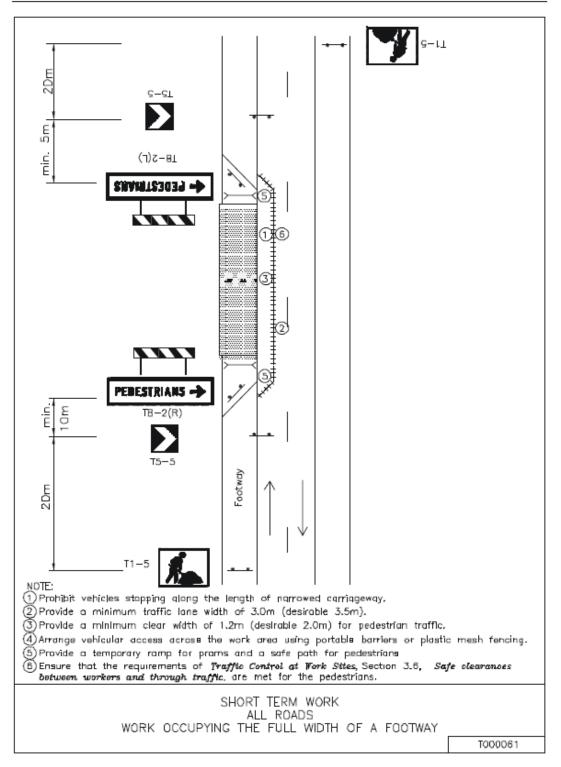
http://www.rta.nsw.gov.au/doingbusinesswithus/downloads/technicalmanuals/tcwsv4_dl1.html

RTA TCP 61 and TCP 109 are shown as minimum treatments required when constructing a vehicular crossing.





Traffic Control at Work Sites

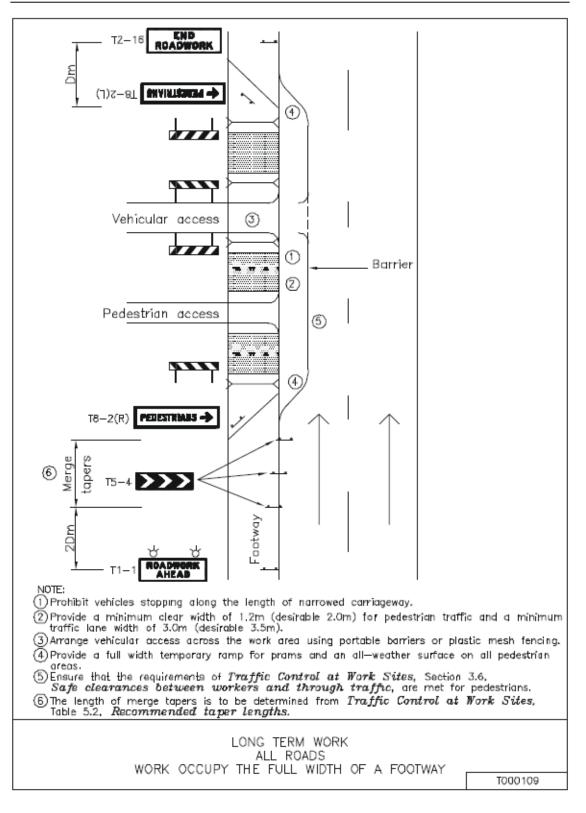


TCP 61

September 2003 Issue 1



Traffic Control at Work Sites



TCP 109



2.8. Public Safety

The contractor shall be liable for any accident, damage or injury to persons or property resulting from the work until such time as final approval is given by Council. Where pavers are used, the authorised contractor will be liable till the final approval is given. It is the authorised contractor's responsibility to ensure that appropriate barricades and signage is maintained until final approval. In this regard, the Contractor must have appropriate and current public liability insurance to this effect.

2.9. Acts and Legislation

All work carried out on Council property must comply with the following Acts and Regulations:

- Roads Act
- Local Government Act
- Local Government Regulations
- EP & A Act
- Clean Waters Act
- Occupational Health and Safety Act
- The Protection of the Environment Operations Act
- any other Acts as deemed relevant

2.10. Hours of work

All construction activities are to be restricted to the hours between 7.00am to 6.00pm Monday to Friday and 8.00am to 1.00pm, Saturday. No work is allowed outside of these hours.

Note: The Protection of the Environment Operations Act may preclude the operation of some equipment on site during these permitted working hours.

2.11. Workmanship

Council expects all authorised contractors to carry out their work in a professional workman like manner. If a contractor is repeatedly asked to rectify work, including providing sufficient pedestrian and vehicular protection, the contractor may be removed from Council's authorised contractor list. The removal from the authorised contractor list is at the discretion of Council. No refund of fees for registration as an authorised contractor will be reimbursed.

2.12. Driveway Completion

A vehicular crossing is not completed until a final inspection has been approved by the Crossing Engineer and a letter sent to the Authorised Contractor. Until final approval is given, the Authorised Contractor shall be liable for any accident, damage or injury to persons or property.

2.13. Sediment and Erosion Control

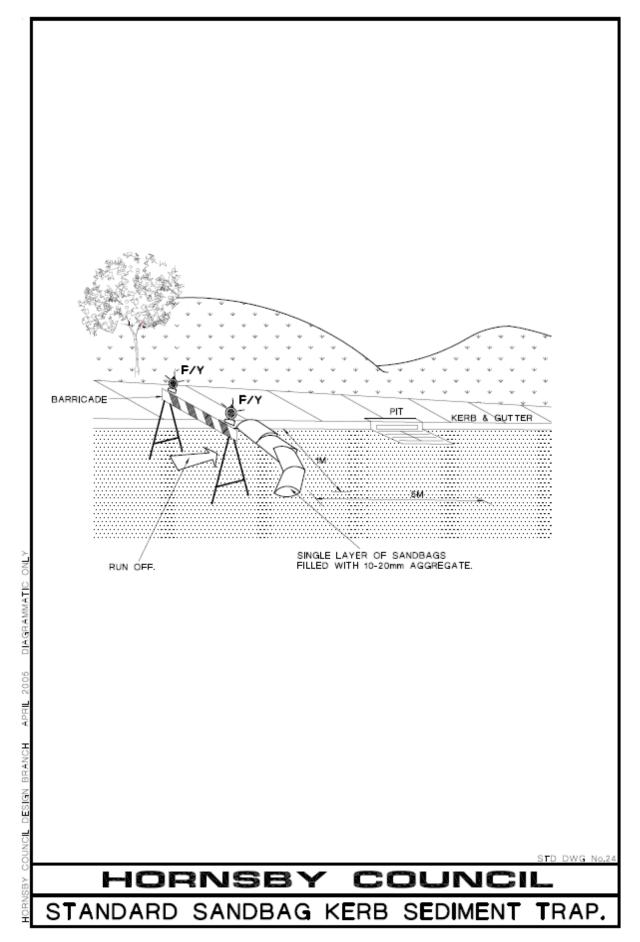
Sediment and Erosion Control Plans showing details of the construction and placement of items such as sediment fences, grass strip filters, straw bale filters and temporary kerb sediment traps are essential for all worksites.

Each site has its unique requirements for sediment and erosion control. Unless required otherwise, the minimum requirement is as follows:

1. Sediment sausages or gravel filled sandbags are to be place in the downstream gutter or table drain of all works and to be left in place until such time the crossing is completed. This includes backfilling around the edges of the new crossing and the placement of turf. See drawing "Standard Sandbag Kerb Sediment Trap" below.

Sediment and erosion control remains the responsibility of the authorised contractor until final approval is given by the Crossing Engineer.





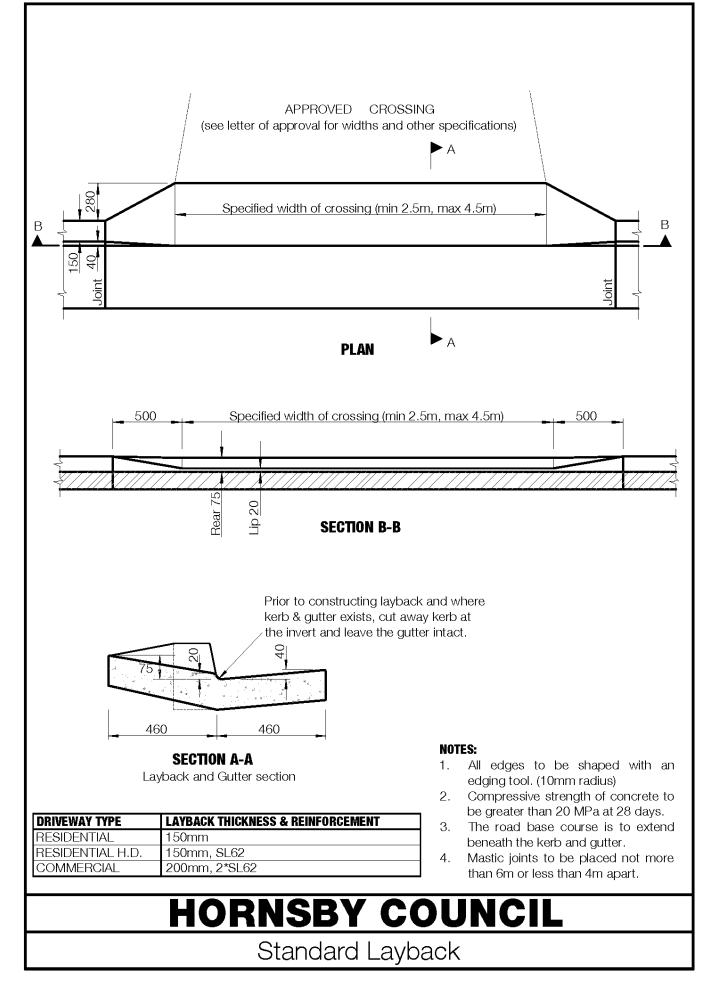


2.14. Standard Drawings

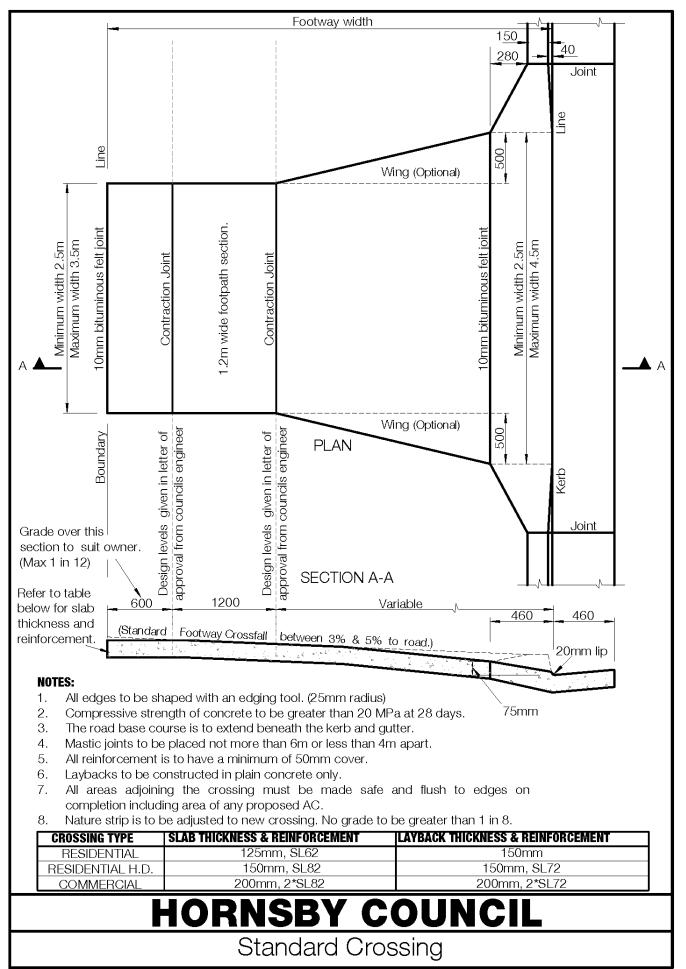
The following drawings are to be used when constructing vehicular crossings in Hornsby Shire:

- 1. Standard Layback
- 2. Standard Crossing
- 3. Standard Crossing- Existing Path
- 4. Standard Pipe Crossing
- 5. Standard Rural Layback
- 6. Kerbside Footpath Crossing Maximum Up
- 7. Kerbside Footpath Crossing Maximum Down
- 8. Kerb and Guttering Standard Types

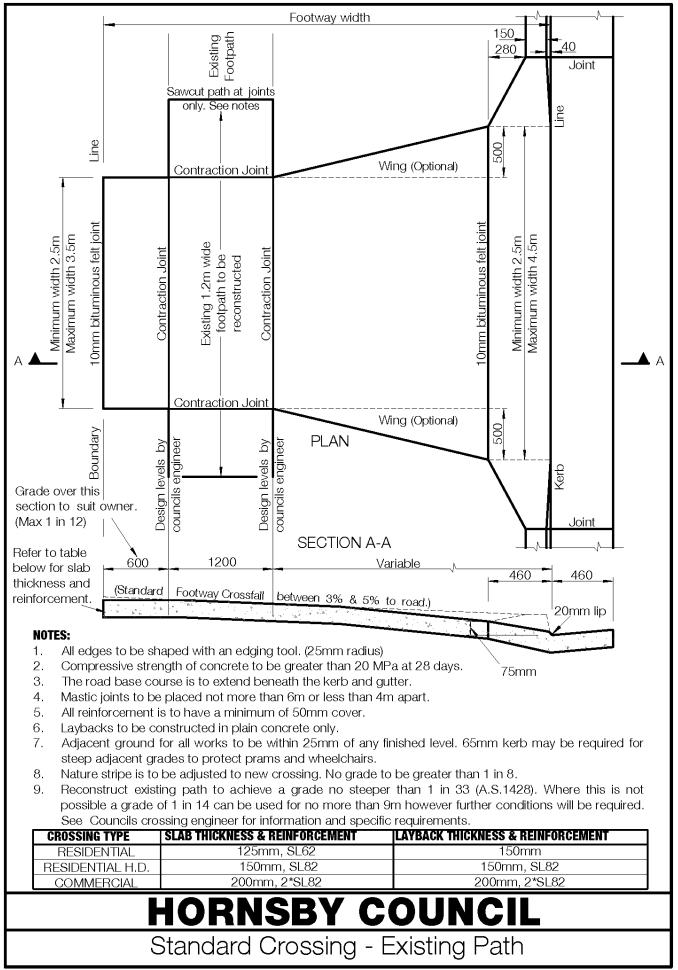




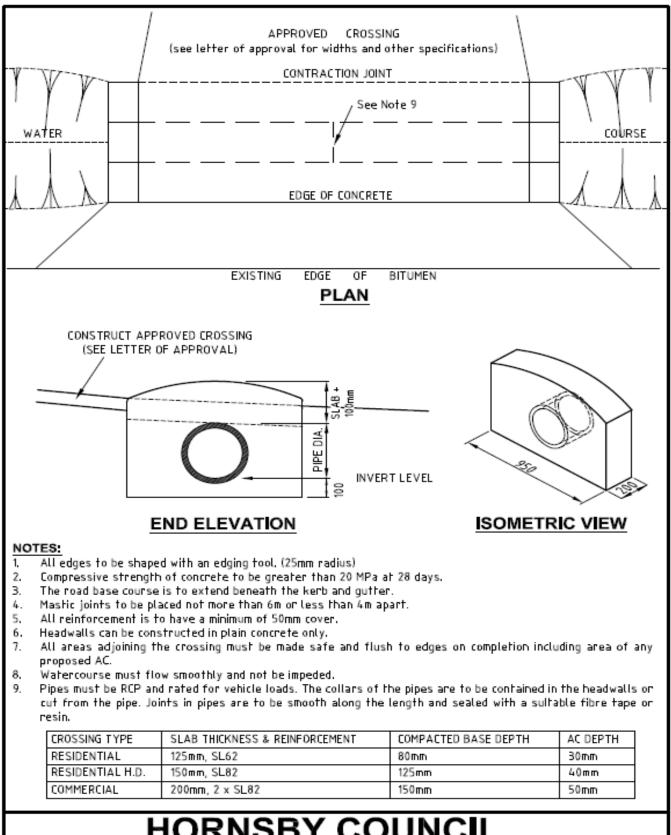






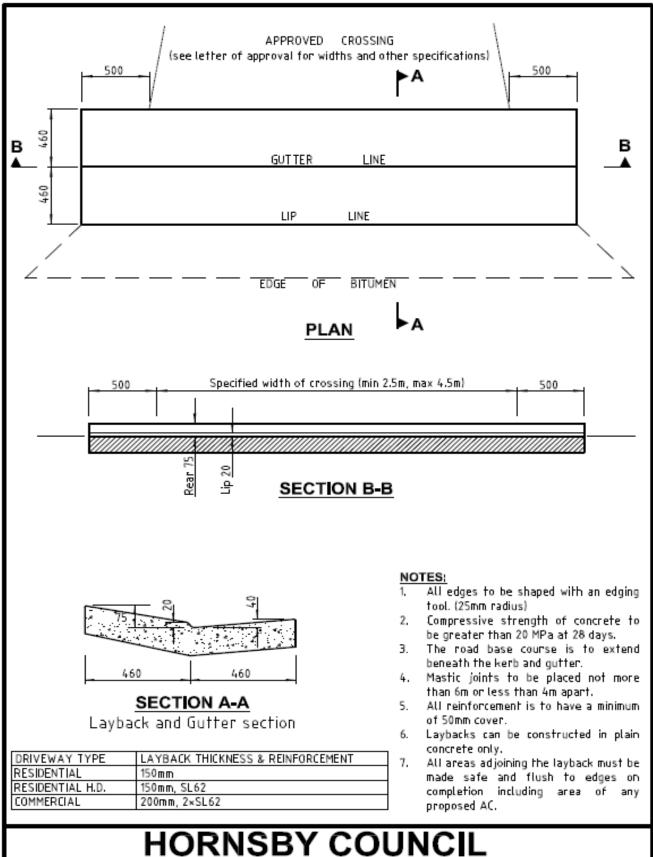




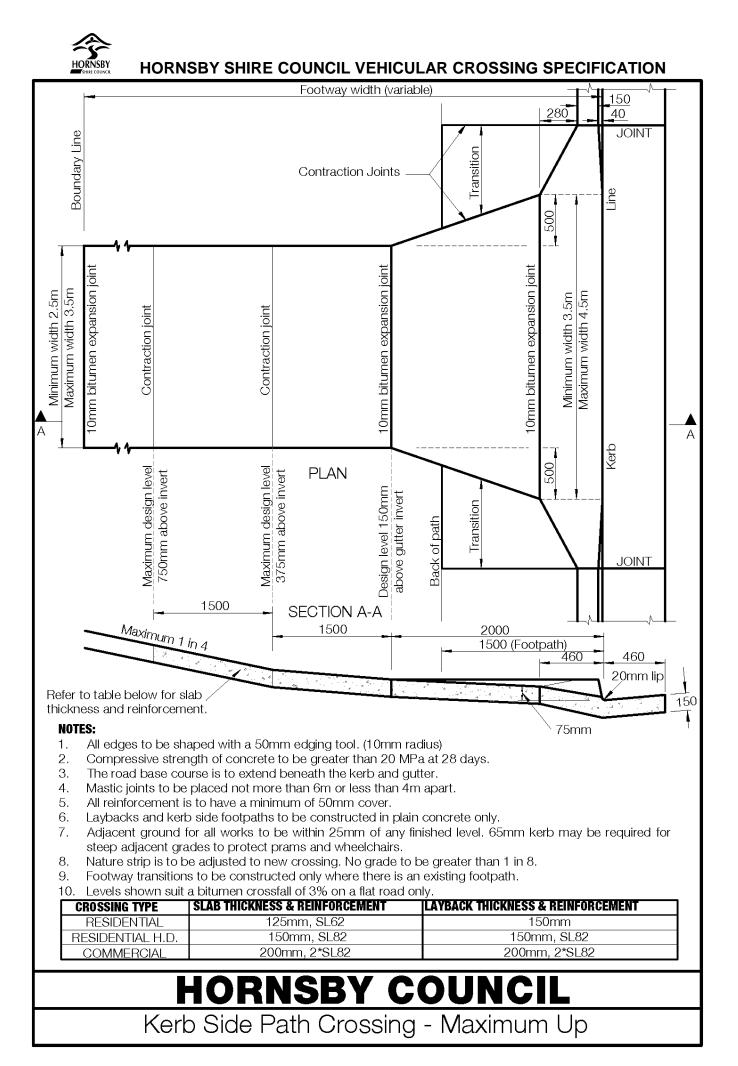


HORNSBY COUNCIL Pipe Crossing

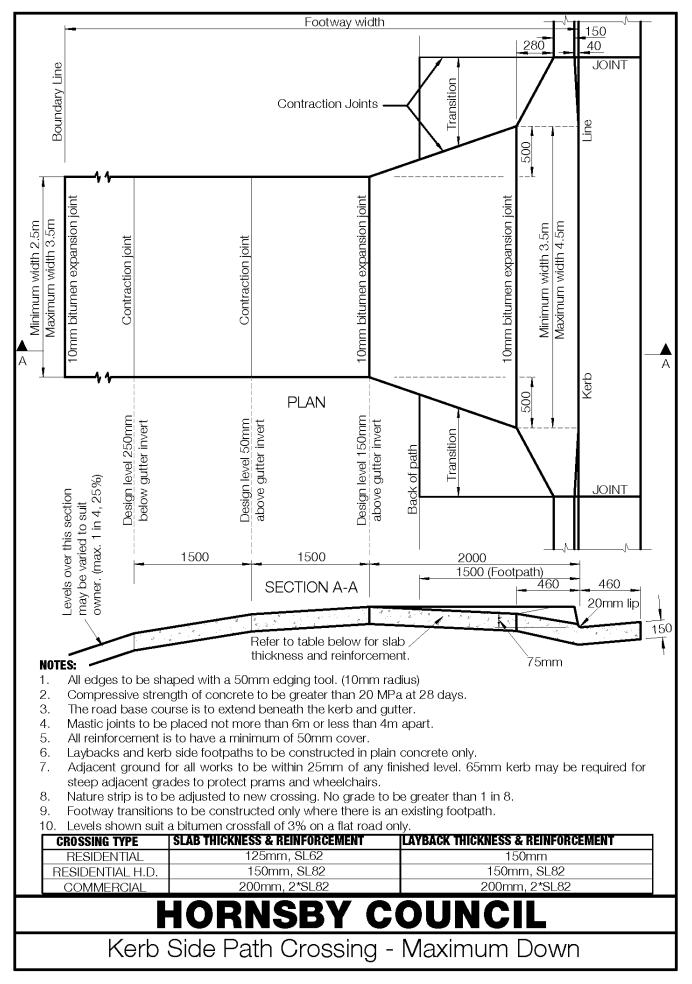




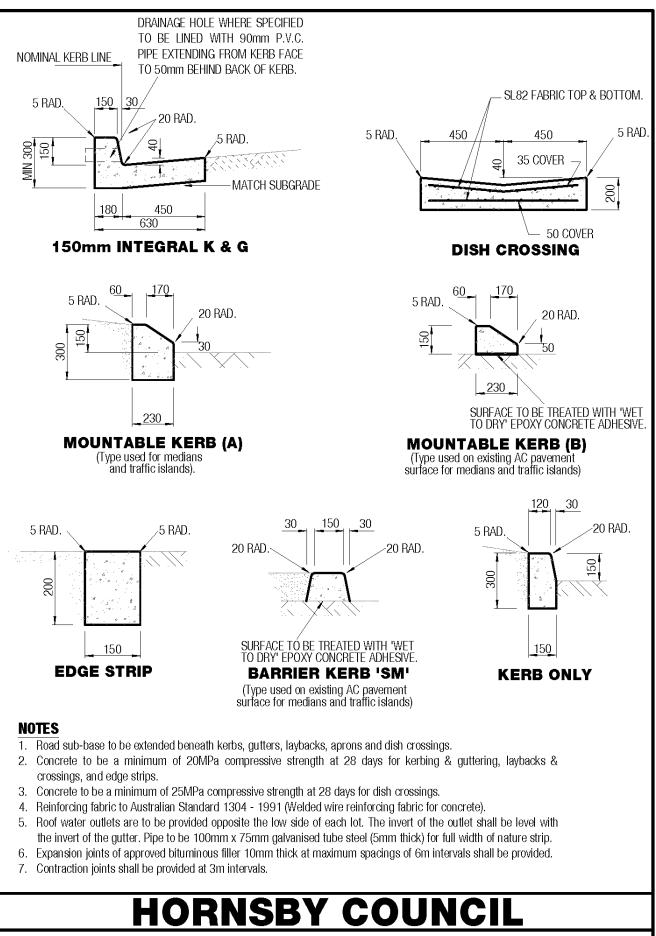
IORNSBY COUNCI Rural Layback











Kerbing and Guttering - Standard Types



PART 3. PROCEDURES & APPLICATIONS

3.1. Authorised Contractors

Vehicular crossings in Hornsby Shire may only be constructed by Council or a Council Authorised Contractor. For details on how to become an authorised contractor see Section 3.9 below.

3.2. Quotes

Council provides a service to construct crossings. A quote can be obtained by calling Council on 9847 6666. Quotes are valid for three (3) months.

3.3. Inspections

Council carries out several inspections for each vehicular crossing. See the flowchart in Section 3.6 below.

For all vehicular crossings, the following inspections are required:

- Level inspection
- Formwork inspection
- Concrete base slab inspection (for brick paved crossings only)
- Final inspection.

Formwork inspections require forty-eight (48) and will be carried out between 7.30am-11.00 am AS DETERMINED BY THE ENGINEER. To book please phone Council's Customer Service Team on 9847 6666.

For each inspection, the following must be completed and in accordance with this specification and any instruction (written or verbal) by the Crossing Engineer:-

3.3.1. Level inspection

For each vehicle crossing constructed an application to Council is required. Applications are submitted by the Authorised Contractor on owner(s) behalf. The Authorised Contractor may not commence work on any crossing (not even excavation) until they have received a letter from Council giving them the construction details and the levels for the crossing. Please allow 5 working days to process applications.

3.3.2. Formwork inspection

It is the responsibility of the Authorised Contractor to ensure that any service covers in the vicinity of the crossing are adjusted to suit the above requirements. No crossing will be given final approval until all these matters have been satisfactorily completed. The minimum requirements for a formwork approval are:

- The crossing excavated to the correct depth
- Subgrade suitable, level and compacted
- Formwork securely held in place at the specified level (nailed to stakes)
- Steel reinforcement in place (bar chairs on site)
- Expansion joint material in place (full depth & visible)
- Concrete surfaces against which fresh concrete is to be poured are clean
- Sediment & erosion and Safety control measures in place
- Concrete must be poured within 5 days from the commencement of excavation.



3.3.3. Concrete base slab inspection (for brick paved crossings only)

Will automatically be inspected 2 days after formwork inspection, unless requested.

3.3.4. Final inspection

The final inspection will automatically be carried out approximately 14 days after the approval of the formwork, or 30 days after the approval of the base slab in the case of brick paved crossings, unless requested earlier. The minimum requirements for a final approval are:

- Shape, level and surface finish to Council's requirements.
- Backfilled each side flush with the surface of the crossing.
- Soil placed each side of the crossing neatly trimmed to a grade no steeper than 1 in 8 unless the grade of the street makes this impractical, in which case it is to be trimmed to as near to this grade as is practical.
- All disturbed areas turfed.

If a crossing is not to Council's requirements a reinspection will be required and a fee may be charged. The crossing will be reinspected after a further 14 days whether the reinspection fee has been paid or not. The crossing will be automatically reinspected every 14 days, and an additional fee applied, until it meets Council's requirements. The crossing will not be approved until all outstanding fees are paid.

3.4. Approvals

Approval for the construction of a crossing is only given to an authorised contractor.

3.5. Fees

An administration fee, as set down in Council's Fees and Charges shall also be paid. This fee covers the processing of the driveway application and all site inspections. If more than one driveway is to be constructed, the same fee must be paid for any additional driveway to be processed.

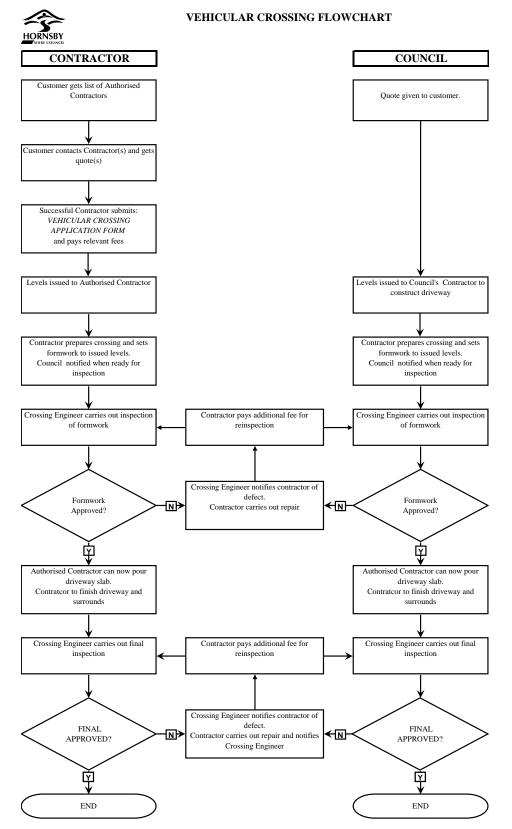
If all of the above requirements are not satisfied, the application may be rejected and a further fee, as set down in Council's Fees and Charges will be required before reconsideration.

Council's fees and charges are revised in accordance with Section 608 of the Local Government Act any may change each July.

For current fees, please refer to Council's website at <u>http://www.hornsby.nsw.gov.au</u> and search *fees construction.*



3.6. Customer Flowchart





3.7. Contractor Obligations

Failure to comply with all the conditions of this specification and letters sent by Council relating to vehicular crossings may result in the approval to carry out construction of vehicular crossings in the Hornsby Shire Council area being revoked. In some circumstances, Council may carry out such work as is required to make an area safe to the public. The cost of such works shall be recovered by Council from the contractor. Throughout this specification where reference has been made to Australian Standards, Acts and Legislation and alike, Council refers to the current version/amendments of same.

3.8. Survey Marks

A number of Survey Marks throughout the Shire have been removed or damaged. Following is a copy of the Surveying and Spatial Information Act 2002 No 83, Part 5, Section 24 – Removal etc of survey marks (as per current version for 9 July 2010):

'24 Removal etc of survey marks

(1) A person must not remove, damage, destroy, displace, obliterate or deface any survey mark unless authorised to do so by the Surveyor-General.

Maximum penalty: 25 penalty units.

- (2) A court that finds a person guilty of an offence under this section may, in addition to any penalty it imposes, make either or both of the following orders:
 - (a) it may order the person to pay compensation, totalling not more than \$10,000, to the Surveyor-General towards the cost of reinstating the survey mark,
 - (b) it may order the person to pay compensation, totalling not more than \$10,000, to any other person towards any loss or damage suffered by that person as a consequence of the offence.
- (3) An order for compensation referred to in subsection (2) is enforceable by the person to whom the compensation is ordered to be paid as if it were a judgment of the Local Court exercising jurisdiction under the Civil Procedure Act 2005.'

Please report any disturbances or removal immediately to Council on 9847 6666 or to:

Survey Mark status helpdesk Survey Information 2nd Floor Land and Property Information 1 Prince Albert Road Queens Square Sydney NSW 2000 T: 8258 7516 (8.30am and 5.00 pm) F: 8258 7555 E: <u>scims@lpi.nsw.gov.au</u>

For further information please refer to spatialservices.finance.nsw.gov.au/__data/assets/pdf_file/0020/208280/Protecting_survey_marks.pdf

3.9. Cancellation

Cancellation of a crossing application can only be made by an authorised contractor. Outstanding fees will not be refunded.

3.10. Application to become Authorised Contractor

Vehicular crossings in Hornsby Shire may only be constructed by contractors who have been authorised by Hornsby Shire Council. Contractors who wish to become authorised will need to complete an '<u>Application To</u> <u>Become an Authorised Contractor</u>' form and allow 10 days for processing. You can go to Council's website and download the latest form or telephone Council's Customer Service Team on 9847 6666 to have the form sent to you.



All authorised contractors must have:

- <u>Public Liability Insurance</u> The insurance cover shall be for a sum not less than \$20,000,000 for a period of six (6) months, and nominating on the policy Hornsby Shire Council as indemnified against public risk claims, arising during or as a result of the construction of a crossing. It is the responsibility of the Authorised Contractor to ensure Council has the current copy of 'Certificate of Currency' on record.
- A current 'OHS Construction Induction Training Certificate' (White Card).
- A current licence issued by the Department of Fair Trading for formwork and concreting

Authorised Contractors may not sub-contract any part of the construction of a crossing to others, other than the laying of paving bricks over a concrete base slab constructed by the Authorised Contractor. In this case the Authorised Contractor must ensure that the paving contractor has all the insurances and knowledge regarding traffic control, sediment and erosion control and safe work methods that Council requires Authorised Contractors to have.

The Authorised Contractor is responsible for every aspect of the paving contractor's work, including:

- safety during and after construction (until the crossing is approved at a final inspection)
- the standard of the finished work and
- compliance with all of Council's requirements.

The WorkCover Authority of NSW has a lot of helpful information on Safe Work Method Statements (SWMS). Their web address is <u>http://www.workcover.nsw.gov.au</u>.

Under Work Health and Safety (WHS) select 'Your Industry', 'Construction'. All workers on site must carry a current "OHS Construction Induction Training Certificate" (White Card).

3.11. Application Forms

To ensure you have the latest copy, please go to Council's website and download the latest forms.

- 1. <u>Application To Construct Vehicular Crossing From Roadway To Property</u>
- 2. Application For Vehicular Crossing Levels For DA Lodgement



PART 4. FAQ'S

The following is a quick guide to some frequently asked questions (FAQ's)

Question		Answer
1.	Who is responsible for construction cost	The property owner is responsible for all
	of a vehicular crossing?	construction cost whether requested by owner(s) or
	Ũ	is determined necessary by Council. Please refer to
		the NSW Roads Act 1993 – Sect 218 and 219.
2.	Will Council construct a vehicular	Yes, Council will construct a vehicular crossing, in
	crossing on property owner's behalf?	concrete finish only, to standard design. Please
		refer to Section 2.14 of this 'Specifications' for
		further information. Payment is required prior to
		construction. Council allows time payment to a
		schedule approved by the Chief Financial Officer.
		To obtain a quote please contact Council's
		Engineering Assistant, Design and Construction
		Branch, Infrastructure and Recreation Division on
		9847 6928.
3.	Can anyone construct a vehicular	No. All works must be supervised by Council and
-	crossing on property owner's behalf?	should be carried out by one of Council's authorised
		contractor or Council. To view current list of
		authorised contractors go to Council's website
		www.hornsby.nsw.gov.au 'My Property', 'Building
		and Development Application', 'Vehicular
		Crossings', "View list of Authorised Contractors'.
4.	My vehicular crossing is breaking up. Do	Yes. All works must be supervised by Council and
	I need Council's approval to re-construct	should be carried out by one of Council's authorised
	the broken section?	contractor or Council. If damage has been caused
		by a nature strip tree please write to Council's Asset
		Maintenance Engineer, Asset Management &
		Maintenance Branch, Infrastructure and Recreation
		Division. If damage was caused by a public utility
		please refer to FAQ No. 31.
5.	Are vehicular "tracks" permitted?	No they create trip hazards.
6.	How do I become an approved authorised	Refer to Sections 2.6, 3.8 and 3.10 of this
	contractor?	Specification and complete an Application form -
		Authorisation to construct vehicular crossing -
		216kb. Please allow 10 working days for
		processing.
7.	I am a qualified concreter and have been	Under the WHS Act 2011, Council, as the land
	doing concreting for years Why must I	owner, is required to ensure the 'subcontractor'
	become an approved Authorised with	(Authorised Contractor - AC) provides a written
	Hornsby Shire Council, no other Council	<u>'Safe Work Method Statement'</u> before commencing
	has asked for these requirements?	any "high risk construction work", which is any
		hazardous construction work that has the potential
		to harm the health and safety of people or to
		damage plant and equipment". Refer to the



	MarkOover NOW website for further information
	WorkCover NSW website for further information or call 131 050.
	It is also necessary for the AC to know how to prepare or select a suitable ' <i>Traffic Control Plan</i> ', due to alteration to the flow of pedestrian and vehicular traffic. Refer to the <u>Roads and Maritime</u> <u>Services NSW (RMS) website</u> for further information or call 1300 828 782.
8. Can I relocate my existing vehicular crossing?	Under the NSW Protection of the Environment Operations Act 1997 (POEO) it is illegal to pollute or cause or permit pollution of waters. Under the Act, 'water pollution' includes introducing litter, wash water, soil, debris, detergent, paint, cement slurry, building materials etc. into waters or placing such material where it is likely to be washed or blown into waters or the stormwater system or percolate into groundwater. The AC must also know how to prepare a <u>'Sediment and Erosion Control Plan'</u> . Refer to the <u>Office of Environment and Heritage</u> <u>NSW</u> website for further information or call 131 555. Please refer to <u>Sections 2.2; 2.4.2 and 2.4.9 of this</u> 'Specification'. Please write to 'Council's
	Engineering Assistant, Design and Construction Branch, Infrastructure and Recreation Division' with your request. Subject to approval, the existing crossing will have to be removed and new kerb and gutter reinstated, in conjunction with the new crossing construction. All costs are at the property owner's expenses.
9. My property has a wide frontage, how	Residential properties are permitted a maximum of
many vehicular crossings per property	one (1) vehicle crossing for vehicle access.
does Council allow?	Commercial/industrial and multi unit properties are
	subject to approval. Please write to 'Council's
	Engineering Assistant, Infrastructure and Recreation Division' with any additional requests.
10. What is the maximum gradient for a	1 in 4 (25%)
crossing?	
11. Should I get my vehicular crossing levels	Yes. The footpath level will determine your internal
prior to any internal driveway	property level and garage floor level, thus allowing
construction?	for a smooth transition when entering and exiting
	your property and avoid scrapping.
12. Do I need Council's approval to concrete	Contact Council's Planning and Building Branch on
my internal driveway?	9847 6666 for all internal driveway requirements,
	especially where retaining walls are required.
13. My car scraps when entering and / or	How old is your driveway? Have you changed your
exiting my driveway entrance and I have an existing concrete vehicular entrance?	vehicle recently? Your vehicular crossing levels may need to be adjusted to suit. All costs are at the
ALL PAISULUL COUCTELE VERTICITAL ANTRANCA / I	



	What do I do?	property owner's expense. All works must be
	mat do i do :	supervised by Council and carried out by an
		approved Authorised Contractor. Please write to
		Infrastructure and Recreation Division'.
14.	My street was resurfaced recently and	Please write to Council's Asset Maintenance
	now my car scraps when entering and/or	Engineer Infrastructure and Recreation Division.
	exiting my vehicular crossing?	
15.	What are Council's minimum and	A minimum of 2.5 metres and a maximum of 3.5
	maximum widths at property boundary	metres wide at the property boundary for single and
	and kerb?	a minimum 3.5 metres to a maximum 4.5 metres
		wide at the property boundary for double.
16.	I have a double garage; can I widen my	Please refer to Council's Sections 2.2; 2.4.2 and
	vehicular crossing to suit?	2.4.9 of this 'Specification'. All requests must be in
	-	writing and addressed to 'Council's Engineering
		Assistant, Design and Construction Branch,
		Infrastructure and Recreation Division'.
17.	Are 'wedges' in gutter permitted?	No, this impedes the flow of stormwater and if
		materials used have not been secured they have
		the potential to be washed into stormwater drains
		which may result blocking of same and flooding of
40	I live on a numero needs de L need	properties / road.
18.	I live on a private road; do I need	No but Council's Vehicular Crossing specifications
	Council's approval to construct a	should be adhered to.
10	vehicular crossing?	
19.	My vehicular entrance enters and exits	Yes. Call RMS (<u>land use development staff</u>) on 131
	from a State Road. Do I need to contact	782 for further information. All works must be
	NSW Roads and Maritime Services (RMS)	supervised by Council's Engineering Assistant,
	for additional consent?	Infrastructure and Recreation Division and carried
		out by an approved Authorised Contractor.
20.	What is an illegal crossing?	An illegal crossing is one that hasn't had prior
		Council approval or is still in it natural form i.e. earth
		nature strip. Where action is effected in such a way
		as to cause gutter blockages and / or public danger
		(trip hazard), notice will be served on the owner to
		remove, reinstate or construct an approved
		remove, reinstate or construct an approved crossing. If a reply is not received within 28 days,
		crossing. If a reply is not received within 28 days,
		crossing. If a reply is not received within 28 days, Council will take action to carry out minimum
		crossing. If a reply is not received within 28 days, Council will take action to carry out minimum requirements to rectify problem and the owner debited with costs. Please refer to the NSW <u>Roads</u>
		crossing. If a reply is not received within 28 days, Council will take action to carry out minimum requirements to rectify problem and the owner debited with costs. Please refer to the NSW <u>Roads</u> <u>Act 1993 – Sect 218 and 219</u> . Council strongly
		crossing. If a reply is not received within 28 days, Council will take action to carry out minimum requirements to rectify problem and the owner debited with costs. Please refer to the NSW <u>Roads</u> <u>Act 1993 – Sect 218 and 219</u> . Council strongly recommends that the property owner constructs a
21	My contractor is insisting payment how	crossing. If a reply is not received within 28 days, Council will take action to carry out minimum requirements to rectify problem and the owner debited with costs. Please refer to the NSW <u>Roads</u> <u>Act 1993 – Sect 218 and 219</u> . Council strongly recommends that the property owner constructs a proper concrete vehicular crossing.
21.	My contractor is insisting payment, how	crossing. If a reply is not received within 28 days, Council will take action to carry out minimum requirements to rectify problem and the owner debited with costs. Please refer to the NSW <u>Roads</u> <u>Act 1993 – Sect 218 and 219</u> . Council strongly recommends that the property owner constructs a proper concrete vehicular crossing. Request to see the <i>'Final Approval Slip'</i> provided to
21.	My contractor is insisting payment, how do I know if Council has carried out a 'Final Approval?	crossing. If a reply is not received within 28 days, Council will take action to carry out minimum requirements to rectify problem and the owner debited with costs. Please refer to the NSW <u>Roads</u> <u>Act 1993 – Sect 218 and 219</u> . Council strongly recommends that the property owner constructs a proper concrete vehicular crossing.



22.	When should I pay my Contractor?	Upon issue of 'Final Approval Slip' by Council to
		your Contractor.
23.	What do I do if I have a complaint about a	All complaints must be in writing to 'Council's
	contractor?	Engineering Assistant, Infrastructure and Recreation
		Division'. All claims will be investigated and
		formerly replied to both compliant and contractor
		concerned.
24.	What type of finishes and colour is	Laybacks can only be constructed in plain concrete.
	acceptable?	For all other finishes and colour refer to Sections
		2.1; 2.4.1; 2.4.8; and 2.4.10 of this 'Specification'.
25.	When is a standard and heavy duty	Standard is generally used for light traffic vehicles.
	crossing required?	Heavy duty is usually constructed for commercial
		and industrial purposes or where vehicles over 5
		tonnes will be regularly using vehicular access.
		Please refer to Section 2.4.4. of this 'Specification'.
26.	I live on a busy street and find it difficult	This request is subject to approval. Please write to
	to enter by driveway safely. Can I alter its	'Council's Engineering Assistant, Design and
	shape?	Construction Branch, Infrastructure and Recreation
		Division'. Please refer to Sections 2.2; 2.4 and
07	Mu uchicular anaccius is conth (actual	2.4.3' of this 'Specification'.
27.	My vehicular crossing is earth (natural	This request is subject to further investigation.
	form) and there is no Council drainage in	Please write or email to 'Council's Asset
	my street. Every time it rains dirt and	Maintenance Engineer, Asset Management & Maintenance, Infrastructure and Recreation
	gravel is washed into my internal property from the street. How do I prevent this	
	from reoccurring?	Division. Council may recommend property owner to construct a concrete crossing to prevent
	nom reoccurring ?	reoccurrence at owners' expense. Refer to FAQ
		Nos. 2 & 24. Council can give you a quote for these
		works or you may engage one of Council's
		approved Authorised Contractors (refer to FAQ No.
		3).
28.	Potholes/depressions are forming in the	Yes, you can submit a request to Council's
	earth nature strip at the entrance of my	Customer Service Team on 9847 6666. Please
	vehicular access. Can Council fill in	refer FAQ No. 20. Council strongly recommends
	these potholes/depressions?	that the property owner construct a proper concrete
		vehicular crossing.
29.	I'm living in a rental property with no	Initially all requests go to your agent. It is the
	concrete vehicular entrance, what can I	owner's responsibility to have a concrete vehicular
	do?	access to the property. Refer to FAQ No. 1
30.	A public utility has dug up my driveway.	All requests should be in writing to 'Council's
	How do I have this damage reinstated?	Restoration Supervisor, Asset Management &
		Maintenance, Infrastructure and Recreation
		Division'. Please refer to Section 2.6. of this
		'Specification'.
31.	The Council is doing construction work in	If you choose to accept Council's quotation, quote is
	my street and I have received a quotation	only validated whilst construction crews are



	for a vehicular crossing construction. What do I do?	currently working in your street. Payment prior to construction is required. Council allows time payment to a schedule approved by the Chief Financial Officer.
32.	As part of my Development Application (DA) construction of footpaths, vehicular crossing and or kerb / gutter are required for Construction Certificate? What should I do?	Please contact Council's Planning Division on 9847 6666 for approval and inspections as these works require a Construction Certificate. The footpath level still must be obtained from Council's Engineering Assistant. Refer to FAQ No. 34.
		If as part of a DA only a vehicular crossing is required please refer to FAQ Nos. 1, 2 and 3.
33.	I need the footpath level for my Development Application (DA). What should I do?	Please complete an Application Form - Vehicular Crossing levels for DA lodgement
34.	Can I have a bituminous crossing instead of concrete?	A bituminous crossing is subject to approval and is only permitted in rural areas. Please write to Council's Engineering Assistant, Design and Construction Branch, Infrastructure and Recreation Division.
35.	Can I get access to park my car inside my property on the lawn?	No. Access is only available for a garage or carport.
36.	Water is entering my property via the driveway, how can I stop it?	If you paid your previous Contractor up front for Council's fees you will need to sort out a payment refund with your previous Contractor. You can then proceed to engage another approved Authorised Contractor to do the work or have Council give you a quote.
37.	There is a tree very close to my proposed driveway. Can I still construct the driveway in that position	The owner must first obtain prior <u>approval from</u> <u>Council's Tree Management Section</u> prior to vehicular crossing construction. Please refer to <i>Section</i> 2.4.9. <i>of this 'Specification'</i> .