



## VEHICULAR CROSSING APPLICATION FORM

Made under Section 138 Roads Act 1993

<b>Property Key:</b>	Office Use Only
<b>Driveway Crossing App No:</b>	
<b>Date Received:</b>	049399.2014 (March 2018)

**IMPORTANT: This application cannot be accepted without all applicant and registered owner's signatures, which are to be completed at the end of the form.**

Any personal information that you provide on this form will be used by members of Council staff to process this application. The provision of this information is deemed to be voluntary. However, if you do not provide the information requested on this form, Council may be unable to process your application in a timely manner. Please note that information collected by Council in relation to development applications and associated documents is open access information that may be obtained by members of the public under the Government Information Public Access Act 2009.

**Type of vehicular crossing: (Please tick appropriate box)**

- |   |  |
|---|--|
| <input type="checkbox"/> Residential Light Duty             | <input type="checkbox"/> Medium Density (Units/Townhouses)                         |
| <input type="checkbox"/> Heavy Duty (Industrial/Commercial) | <input type="checkbox"/> Pipe Crossing Culvert <input type="checkbox"/> Dish Drain |

The proposed surface finish/material must be:  Plain Concrete

Council may not approve other finishes that do not comply with: AS/NZS 4663:2002, AS/NZS 4586:1999, AS 3661.2:1994

### Address details of development

Shop/Unit No:	House No:	Office Use
Street:		
Suburb:	Postcode:	<input type="checkbox"/>
Lot No:	Deposited / Strata Plan No:	

### General Information

- (a) Under the *Roads Act 1993*, property owners are liable for all costs associated with the construction, maintenance and repair of vehicular crossings between the road pavement and property boundary line
- (b) Works shall comply in all respects with the plan and specification provided by Liverpool City Council and with the issued information
- (c) It is the owner's responsibility to ensure that their contractor is licensed and has a current \$10,000,000 public liability cover. Council will NOT accept any liability for injury or damage to any person or property during the course of work
- (d) The contractor shall take every precaution to locate and protect all public utility services. Any damages or alterations to these utility services shall be repaired by the appropriate authority at the owner's/contractor's cost
- (e) Council accepts no responsibility for the identification or position of property boundaries. The property owner/contractor is to identify block boundaries
- (f) No concrete is to be poured until Council has given approval. If there is no approval notice left on site, Council's Contact Centre is to be contacted to obtain the inspection result. If a contractor pours a vehicular crossing without an approval by Council, further approval to work on Council property by the offending contractor may be withdrawn
- (g) Crossings not conforming to Council specifications are not approved  
Therefore Council:  
**Will not accept** any liability for the injury or death to any person or damage caused to anything due to the existence of the non-approved crossing;  
**May require modification, removal or replacement** of the crossing at full cost to the owner at any time
- (h) No tree is to be cut down without the written consent of the Council in accordance with Council's Tree Preservation Order
- (i) Redundant laybacks are to be replaced by kerb and gutter (must be formed up prior to approval being given to pour vehicular crossings).

**Digital requirements and naming convention**

- **Applications without a correctly formatted CD digital data disc or USB drive will not be accepted. These will be checked by Council before accepting the application**
- All documents (including written documents) and plans for all applications must be submitted on CD or USB and not password protected.
- **Each plan and each document must be single sided and must be submitted as a separate PDF file and named separately** eg Application form, floor plans, elevation plans, site plan etc.
- **Signatures are not to be placed on supporting documents or plans** ie floor plans, site plans etc
- Individual files for each application must not exceed 20 MB. Large files must be split into smaller size files.
- **Standard documents are required under 400dpi resolution whether they are single pages or multipage documents and must not exceed 500MB in size.**
- File names for the electronic file are to be titled using the naming convention outlined below and where possible in alphabetical order, naming each document and plan individually, including the application form: **ie Document Type + Property Address and saved in PDF format.**

**Example:**

- **Application form** – 33 Moore Street Liverpool.pdf
- **Elevation Plans** – 33 Moore Street Liverpool.pdf
- **Engineering Details** – 33 Moore Street Liverpool.pdf
- **Floor Plan** – 33 Moore Street Liverpool.pdf
- **Section Plans** – 33 Moore Street Liverpool.pdf
- **Site Plan** – 33 Moore Street Liverpool.pdf
- **Specifications** – 33 Moore Street Liverpool.pdf

**Amended Plans / Supply of Additional Information**

- DX Number – Additional Information – 33 Moore Street Liverpool.pdf

Does the CD or USB contain files which are named correctly and the content exactly matches all hardcopies and documents submitted with this application?

Yes       No

Office  
Use

**Applicant's details and declaration**

NOTE: Pages 4 - 6 are not available for viewing on Council's website

Family Name(s)/Surname(s) (or company & ACN):		<b>Office Use</b>	
Full Given Names or Company Contact Person:			
House/Unit No:	Street:		
Suburb:	Postcode:		
Home Phone:	Business Phone:		Mobile:
Fax:	Email:		

**Applicant(s) Declaration**

I/We acknowledge that:

1. If the vehicular crossing is constructed in material other than plain concrete, Council will not be responsible for restoration or repairs in material other than plain concrete
2. I/We are aware Council will not be responsible for any Public Risk Claims for accidents or otherwise, arising from an incorrectly installed vehicular crossing or conditions that are not strictly adhered to
3. I/We undertake, that in the event that the completed vehicular crossing is found to be unsatisfactory as a result of the contractor's failure to carry out the work in accordance with the information supplied by Council, or the use of faulty materials or workmanship, the crossing shall be removed and replaced at my expense
4. For any additional driveways to a property or extension of driveways, prior approval is required and a letter issued by Council. This letter will be required when submitting the application.

**I/We, the undersigned, formally apply for approval to construct a vehicular crossing in accordance with the attached plans and specifications. I/We have read and understood the information attached and I/We am aware of my obligations in carrying out work within the nature strip.**

Yes     No

**Your Privacy:**

This application form and documentation is open access information for the purposes of the *Government Information (Public Access) Act 2009* and Council is obliged to publish it on its website. These details contain your personal information. Please indicate whether or not you consent to the form and documentation being published as submitted to Council.

I consent to Council publishing this form and documentation as submitted and I acknowledge that any personal information contained within, may be seen by third parties. (Please tick relevant box)

Yes     No

If no, personal information will be redacted from the form and documentation, prior to it being published.

<b>Signature(s):</b>	<b>Date:</b>	<input type="checkbox"/>
Print Name(s)		

**Release of determined application**

**Would you like your assessed application to be:** (Please tick relevant box)

Posted     Held for collection at Council

**Signature when collected:**

(Only the applicant or person authorised by the applicant can collect the consent - Authorisation may be required)

**Date:**

**Owner's consent and declaration**

Note: Pages 4 – 6 are not available for viewing on Council's website

Family Name(s)/Surname(s) (or company & ACN):

Office  
Use

Full Given Names or Company Contact Person:

House/Unit No:

Street:

Suburb:

Postcode:

Home Phone:

Business Phone:

Mobile:

Fax:

Email:

**Owner(s) Declaration**

I/we own the subject land, consent to this application and consent to Council officers entering the premises during normal office hours for the purpose of conducting inspections relative to this application. I/we accept that all communication regarding this application will be through the nominated applicant.

Yes  No

**Your Privacy:**

This application form and documentation is open access information for the purposes of the *Government Information (Public Access) Act 2009* and Council is obliged to publish it on its website. These details contain your personal information. Please indicate whether or not you consent to the form and documentation being published as submitted to Council.

I consent to Council publishing this form and documentation as submitted and I acknowledge that any personal information contained within, may be seen by third parties. (Please tick relevant box)

Yes  No

If no, personal information will be redacted from the form and documentation, prior to it being published.

**Signature(s):**

**Date:**

Print Name(s)

**Owner(s) consent requirements**

- If you are signing on behalf of the owner as the owner's legal representative, you must state the nature of your legal authority and attach documentary evidence eg Registration of Power of Attorney, executor, trustee etc
- Strata Title/Body Corporate – If the property is a unit under strata title or a lot in a community title, then in addition to the owner's signature, the following must be provided if any works are proposed on common property:
- Common seal of the Body Corporate must be stamped on this form over the signature of the owner and signed by the chairman or secretary of the Body Corporate
- If the property has been recently sold, documentary evidence of the sale must be provided such as the Certificate of Title or a letter from your solicitor confirming settlement or the previous owner(s) providing owner's consent.

**Miscellaneous details**

Does Council require your presence for access to the site?

Yes  No

Is there a dog on the property?

Yes  No

Is there a swimming pool on the property?

Yes  No

Do you consent to receiving further information requests via email?

Yes  No

**Contractor's - consent and declaration**

Note: Pages 4 – 6 are not available for viewing on Council's website

Family Name(s)/Surname(s) (or company & ACN):

Office  
Use

Full Given Names or Company Contact Person:

House/Unit No:

Street:

Suburb:

Postcode:

Home Phone:

Business Phone:

Mobile:

Fax:

Email:

Contractor's Licence Number:

Expiry Date:

Public Liability Policy Cover  
No:

Company:

Expiry Date:

**Contractor's Declaration**

I/we declare are the Contractors and that all required documentation has been provided and is to an acceptable standard and all the information in the application and the checklist submitted are, to the best of my/our knowledge, true and correct.

Yes  No

Signature(s):

Date:

Print Name(s)

**To book an inspection, please contact 1300 36 2170 between 8.30am to 5.00pm Monday to Friday**

Once lodged, you can track the progress of your Application online via Council's e-planning tool, simply visit [www.eplanning@liverpool.nsw.gov.au](http://www.eplanning@liverpool.nsw.gov.au)

**Office Use Only:**

Fee Type AP/MISC/DX	Application	\$	Receipt No.	Date
Vehicular Crossing Fee				
<b>TOTAL</b>				

# INFORMATION AND SPECIFICATIONS CONSTRUCTION OF VEHICULAR CROSSINGS LIVERPOOL CITY COUNCIL

## 1. GENERAL INFORMATION

- (a) Under the Roads Act 1993, Property Owners are liable for all costs associated with the construction, maintenance and repair of vehicular crossings between the road pavement and property boundary line.
- (b) Works shall comply in all respects with the plan and specification provided by Liverpool City Council and with the issued information.
- (c) It is the Owners responsibility to ensure that their contractor is licensed and has a current \$10,000,000 public liability cover. Council will NOT accept any liability for injury or damage to any person or property during the course of work.
- (d) The contractor shall take every precaution to locate and protect all public utility services. Any damages or alterations to these utility services shall be repaired by the appropriate authority at the owners/contractor's cost.
- (e) Council accepts no responsibility for the identification or position of property boundaries. The property owner/ contractor is to identify block boundaries.
- (f) No concrete is to be poured until Council has given approval. If there is no approval notice left on site, Council's Call Centre is to be contacted to obtain the inspection result. If a contractor pours a vehicular crossing without an approval by Council, further approval to work on Council property by the offending contractor may be withdrawn.
- (g) Crossings Not Conforming to this Specification is Not Approved.  
Therefore Council:
  - **Will not accept** any liability for the injury or death to any person or damage caused to anything due to the existence of the non-approved crossing.
  - **May require modification, removal or replacement** of the crossing at full cost to the owner at any time.
- (h) No tree is to be cut down without the written consent of the Council in accordance with Council's Tree Preservation Order.
- (i) Redundant laybacks are to be replaced by kerb and gutter (must be formed up prior to approval being given to pour vehicular crossings)

## 2. STANDARD REQUIREMENTS

### (a) **Safety & Traffic Control**

All work on the road reserve shall be carried out with a minimum of obstruction to the pedestrian and vehicular movement. Warning signs, lights and barricading complying with the Australian Standards, shall be in place for the entire time that the work is in progress. Adequate access for pedestrian must be maintained at all times.

(b) **Utility Services**

As a guideline the allowable minimum distance and other relevant information are mentioned below:

- A minimum of 0.5m clear distance between a Single Telstra pit and the Vehicular Crossing.  
No pits allowed half in and half out of the vehicular crossings.  
If a pit is allowed to be in the vehicular crossing, the owner/contractor should obtain a letter from Telstra and produce a copy of the letter to Council's Inspection officer.  
(Contact Telstra on 132 203)
- Electric poles, Street light poles and electrical turrets shall have 0.5m clear distance from the vehicular crossings. (Contact Integral Energy on 131 003)
- Gas Markers, Water Hydrants and Stop Valves can remain in the Vehicular Crossings, but shall be accessible at all times.  
(Contact AGL on 131 245/ Contact Sydney Water on 132 090)

Prior to any excavation being carried out "Dial Before You Dig" on 1100 is to be contacted to obtain information of underground services.

(c) **Environmental Protection**

The contractor shall ensure at all times that the requirements of all relevant acts concerning noise, air, water and other pollution are fully observed. Environmental protection measures in regard to erosion and siltation control shall be in place in accordance with Environmental Protection Authority requirement.

(d) **Constraints of the locations**

- Vehicular crossings should not be constructed within 0.5m distance from any drainage structure.
- Vehicular crossings should not be located within 6 meters offset from the tangent point of the kerb return, unless Council gives approval.
- Vehicular crossing should not be constructed within 1.0m distance from any street trees.
- Where household stormwater pipes within the vehicular crossing/ layback shall be entirely relocated to a minimum of 200mm distance outside from the vehicular crossing and a satisfactory new connection must be made to the ker

### 3. SPECIFICATION

(a) **Alignment & Grades**

The vehicular crossing shall be constructed in accordance with the Council's Plan No: R25 or as directed by Council's Crossings Inspector, and shall be true to the grades as shown on the drawings.

Both sides of the vehicular crossing at the footpath section are to be perpendicular to the kerb and gutter unless approved by Council.

(b) **Base Preparation**

All soft and other unsuitable material shall be removed and a minimum of 50mm approved bedding material shall be placed and thoroughly compacted to a firm and level surface.

(c) **Formwork**

The crossing shall be formed in substantial sound timber to the levels and grades as shown on the plans and formwork must be firm and in place to the full depth of the proposed concrete at the time of inspection.

Width of the footpath shall be 1.2 meters with a cross fall (slope) of 3% (1 in 33). Council reserves the right to vary its specification(s) on a case by case scenario in specific areas.

(d) **Reinforcement**

Reinforcement shall be placed as specified in the plans. All reinforcement shall be free from rust, grease, oil and any other coating. Reinforcement shall be secured against displacement during placing and compaction of the concrete. The clear cover to reinforcement shall be as specified in the plans and also shall be cut full length at the property boundary to separate the continuity.

(e) **Expansion Joints**

All joints shall have 10mm thick mastic joints in place extending full depth through the slab. It shall be placed at the back of the layback and at the property boundary line as shown on the plan. All expansion joints must be flush with finished surfaces upon completion.

Dummy groove shall be placed either side of the footpath as shown on the plan.

(f) **Concrete**

Concrete shall be a minimum of 25MPa at 28 days. The delivery docket shall be retained and shown to Council's inspector on request. Thickness of the concrete shall be in accordance with the plan.

(g) **Surface Finish**

The surface of the finished concrete slab shall be a wood float finish or boomed finish, true to grade and free of cracks.

All surface finished must be installed and maintained by the property owner in accordance with Australian Standards AS/NZS 4586: 1999.

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.



#### **4. VEHICULAR CROSSINGS, WHERE KERB & GUTTER IS NOT CONSTRUCTED**

Due to the variances involved in these areas with differences in road reserves and table drain widths, an advice inspection with Council's Crossing Inspector is recommended before any works commence, to ascertain levels and designs.

- **Vehicular Dish Crossings**

It shall be constructed in accordance with the Council's Plan No: RI specification, standards and issued information. Dish crossings shall have a crossfall (slope) along the length of the table drain in the direction of the water flow.

- **Pipe Crossing Culvert**

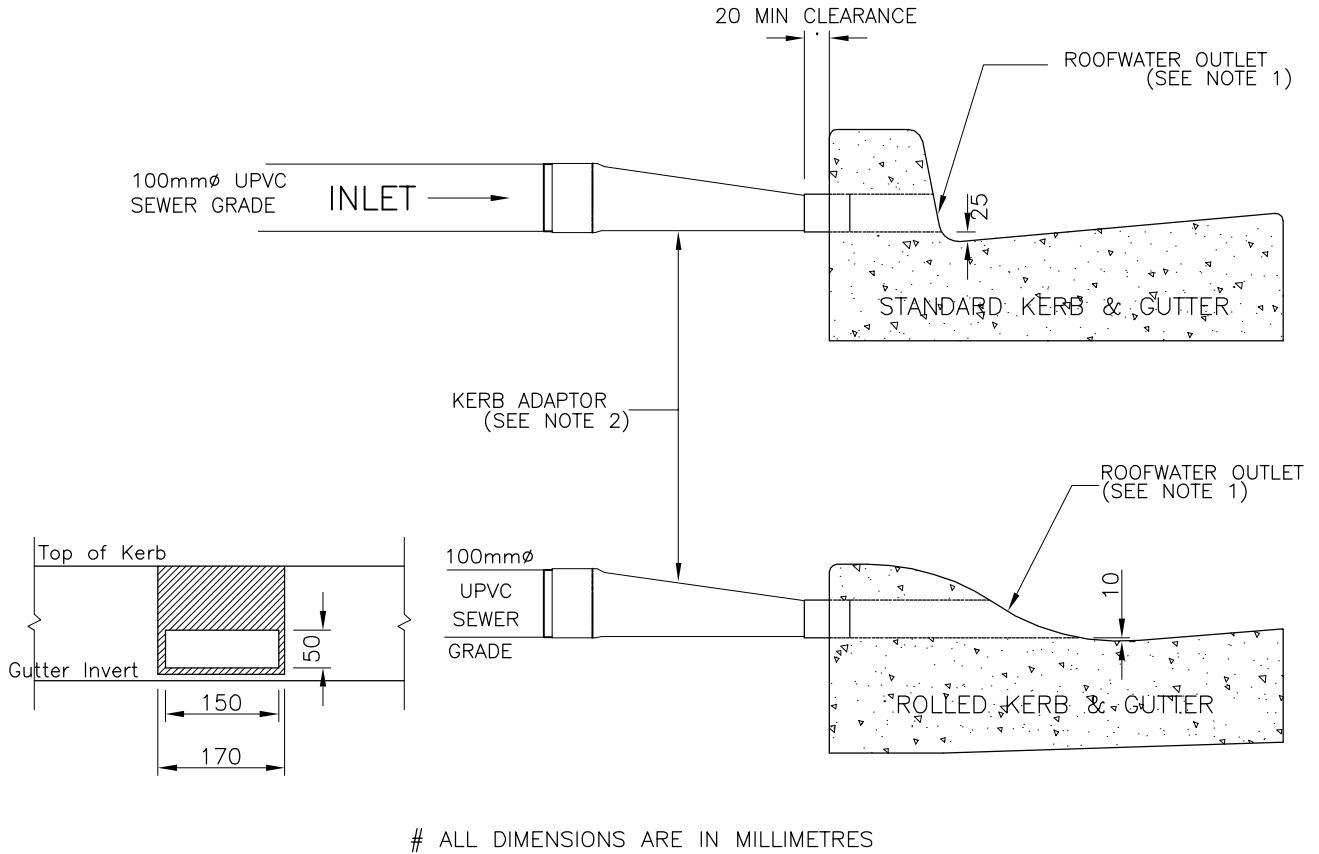
It shall be constructed in accordance with the Council's Plan No: R26, specification, standards and issued information. Pipes shall be a minimum of 375mm inside diameter supported by headwalls at either end. Pipe Crossings Culvert shall have a crossfall (slope) along the length of the table drain in the direction of the water flow.

#### **5. AFTER CONSTRUCTION**

- (a) The disturbed nature strip area shall be backfilled and compacted with suitable soil and turfed.
- (b) Excess spoil shall be removed from the work area and in general the work area is to be left in a tidy condition as soon as the work is completed.

#### **6. INSPECTION**

- (a) Inspections are required prior to pouring concrete and will only be carried out if all formwork, reinforcement, jointing material, approved base material, barricading and relevant signage for pedestrians is in its final position.
- (b) For work which is not formed (ie. timbers nailed) and ready for inspection as requested and has not been cancelled prior to the inspection, an additional charge may apply for its next inspection.
- (c) No fee shall apply for an 'Advise Only Inspection'.
- (d) To book an inspection, contact Council between 8:30am and 5:00pm, Monday to Friday on 1300 362 170 at least 24 hours prior to the required inspection. Council's receipt number is required, when making inspection bookings. Inspection will be carried out between 7:30am and 2:00pm.



# ALL DIMENSIONS ARE IN MILLIMETRES

TYPICAL ELEVATION

NOT TO SCALE

TYPICAL CROSS SECTION

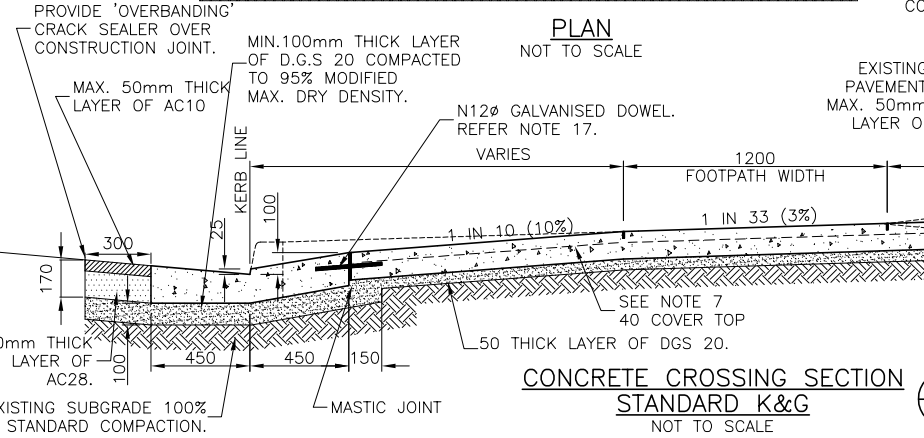
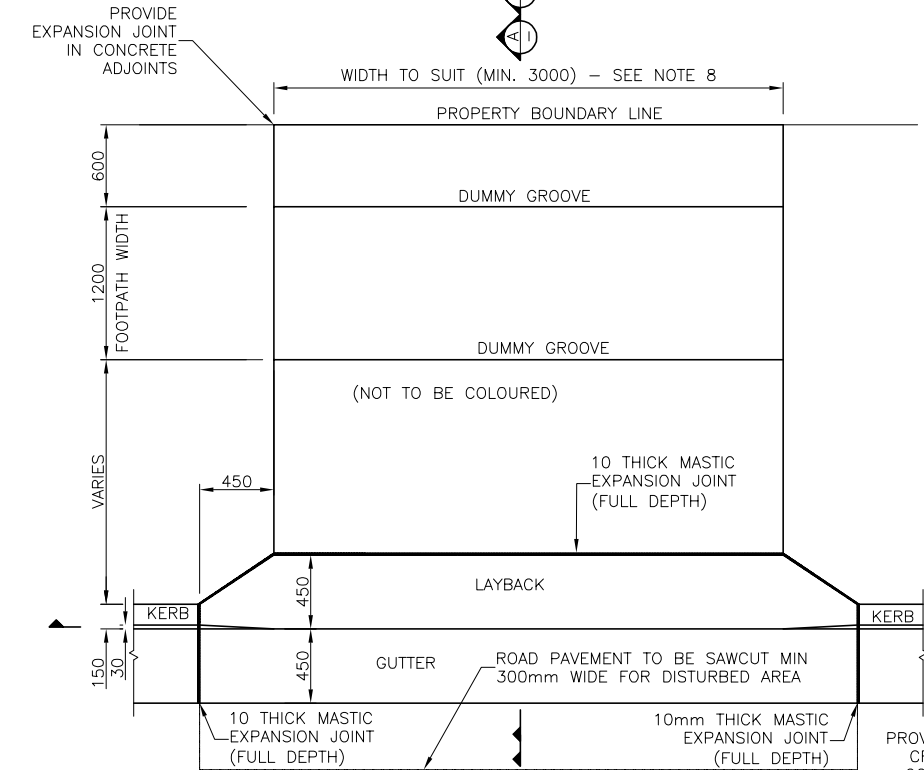
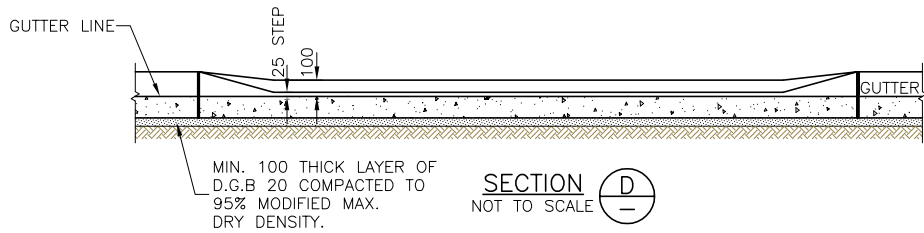
NOT TO SCALE

NOTES

1. ROOFWATER OUTLETS TO BE MANUFACTURED FROM RHS 150 x 50 x 4mm HOT DIPPED GALVANISED MILD STEEL TO AS 1650, TO SUIT KERB TYPE, TO EXTEND MIN. 20mm BEHIND KERB. PROVIDE A UNIFORM COATING OF ZINC AT A RATE OF 500 g / sqm
2. KERB ADAPTOR TO BE UPVC SEWER GRADE 100mm 'CORDINA' TYPE OR SIMILAR, 355 LONG, TO SUIT 100mm PVC STORMWATER CONNECTION AND ROOFWATER OUTLET SECTION.
3. CHECK ROOFWATER OUTLET IS UNOBSTRUCTED PRIOR TO CONNECTING ADAPTOR.
4. ADAPTOR SHALL BE INSERTED INTO ROOFWATER OUTLET MIN. 40mm AND SEALED WITH APPROVED SILICON SEALER.
5. ALL OUTLETS, ADAPTORS AND REDUCERS TO BE FROM AN APPROVED MANUFACTURER AND ALL JOINTS TO BE SEALED AND INTENDED FOR THAT PURPOSED TO LIVERPOOL CITY COUNCIL'S SPECIFICATION.
6. ALL ROOFWATER DRAINAGE SHALL BE PIPED TO THE EXISTING ROOFWATER DRAINAGE OUTLET PROVIDED, IN A MANNER IN ACCORDANCE WITH THE SPECIFICATION & THE DRAWING.
7. IF AN OUTLET IS NOT PROVIDED OR IS NOT IN A LOCATION SUITABLE FOR THE DEVELOPMENT A NEW ROOFWATER OUTLET MAY BE INSTALLED BY THE DEVELOPER IN THE FOLLOWING MANNER: THE KERB SHALL BE SAWCUT ON BOTH SIDES OF THE OUTLET. A KERB ADAPTOR AS PER NOTE 2 SHALL BE INSTALLED TO THE DETAILS SHOWN ABOVE. THE KERB SHALL BE REINSTATED TO ITS ORIGINAL PROFILE USING A CEMENT MORTAR CONTAINING AN EPOXY ADDITIVE FOR ADHERENCE TO THE EXISTING KERB.
8. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.

G:\DESIGN\Standards\Drawings\Drainage\D17\_Roofwater Outlets.dwg, Model, 1/06/2006 10:00:11 AM

SCALE	AS SHOWN	ISSUE NO.	B	<b>LIVERPOOL CITY COUNCIL</b> 	Std Dwg No.	
DRAWN	R.N	DATUM	ASSUMED		ROOFWATER OUTLETS & ADAPTORS	D17
CHECKED	P.M.	DATE	MAY 2006			

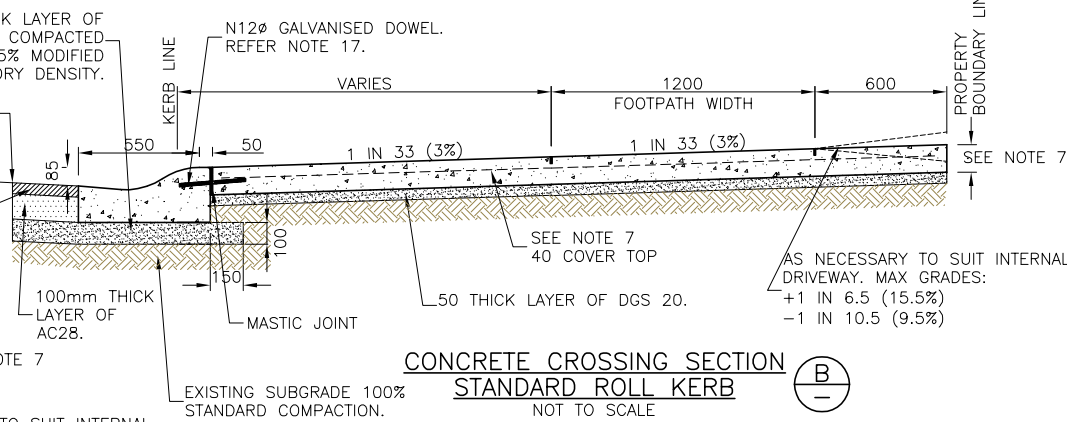


**NOTES:**

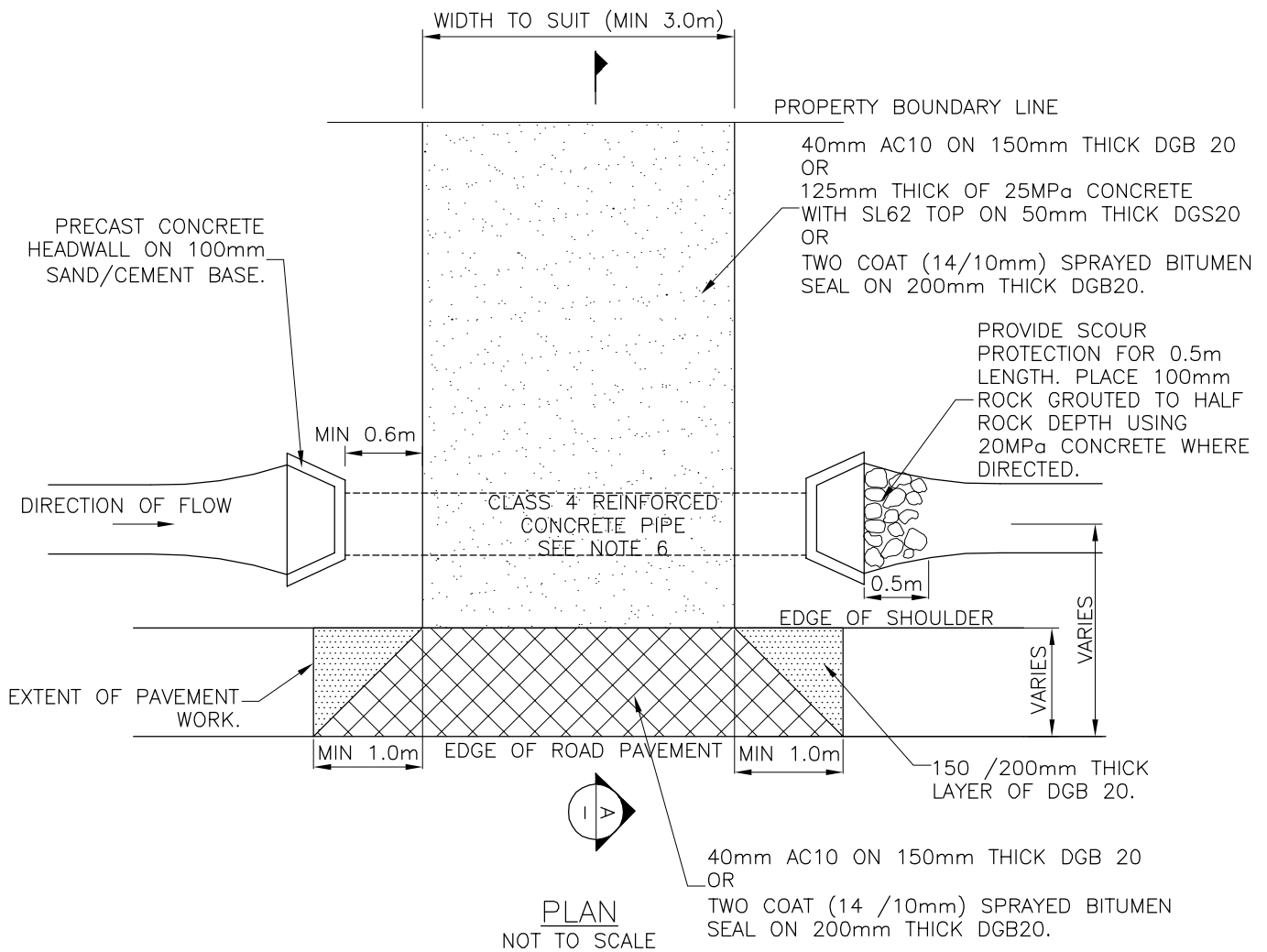
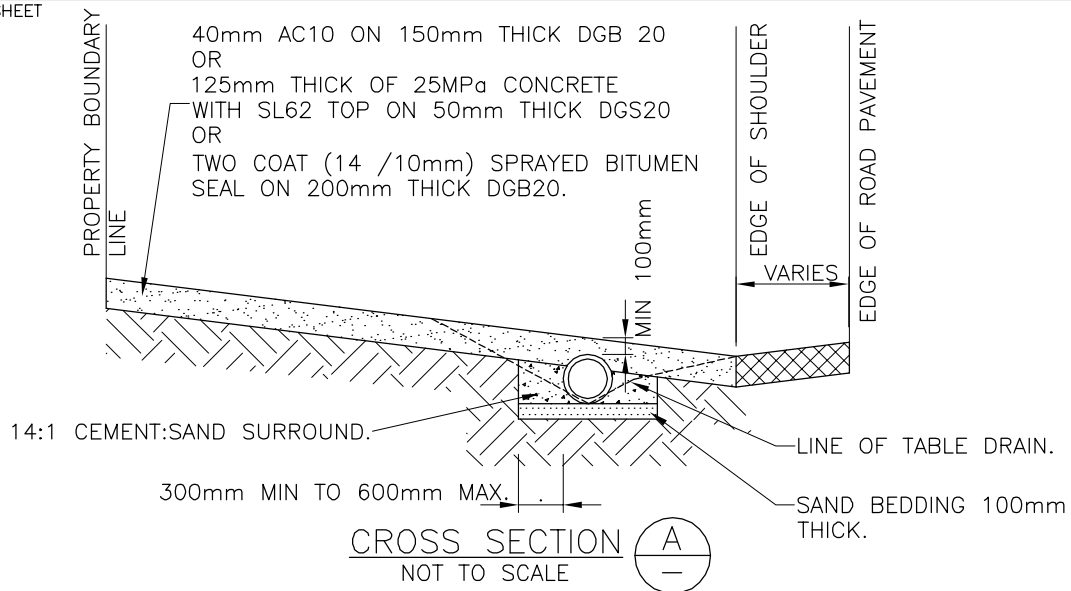
- ALL CONCRETE TO HAVE A MIN COMPRESSIVE STRENGTH (F'c) OF 25MPa AT 28 DAYS.
- DRIVEWAYS ARE TO BE NO CLOSER THAN:
  - 6m FROM TANGENT POINT OF CORNER
  - 0.5m FROM STORMWATER LINTELS
  - 0.5m FROM ELECTRICAL TURRETS
  - 0.5m FROM TELSTRA PITS.
  - 0.5m FROM ELECTRICAL POLES
- FOR SERVICE PITS TO BE CONTAINED WITHIN DRIVEWAY, WRITTEN APPROVAL FROM THE RELEVANT SERVICE AUTHORITY MUST BE OBTAINED AND SUBMITTED TO COUNCIL WITH THE CROSSING APPLICATION.
- GAS MARKERS, WATER HYDRANTS AND STOP VALVES CAN REMAIN IN THE NEW DRIVEWAY BUT MUST BE ACCESSIBLE AT ALL TIMES.
- ALL CROSSFALLS ARE TO BE STRICTLY ADHERED TO.
- ALL REDUNDANT LAYBACKS TO BE REPLACED WITH KERB AND GUTTER AT NO COST TO COUNCIL.
- WHERE A LAYBACK IS TO BE EXTENDED, CONSTRUCTED OR REMOVED, THE ENTIRE LAYBACK/KERB & GUTTERSECTION AND 300mm WIDE OF ADJACENT ROAD PAVEMENT ARE TO BE SAWCUT AND REMOVED FOR THE FULL LENGTH OF PROPOSED VEHICULAR CROSSING. (THE ROAD PAVEMENT IS TO BE RESTORED TO THE SATISFACTION OF COUNCIL'S CROSSING INSPECTOR. THE FINAL RESTORATION FOR THE DAMAGED PAVEMENT WILL BE CARRIED OUT BY COUNCIL AT THE APPLICANT/OWNERS COST)

DEVELOPMENT TYPE	SLAB THICKNESS	REINFORCEMENT MESH
RESIDENTIAL	125mm	SL62 NO MESH REQUIRED IN LAYBACK
MEDIUM DENSITY(VILLAS/TOWNHOUSES)	150mm	SL82 INCLUDING LAYBACK
COMMERCIAL	225mm	SL82 INCLUDING LAYBACK

- THE WIDTH OF RESIDENTIAL DRIVEWAYS SHALL BE
  - MIN 3.0M AT PROPERTY BOUNDARY
  - MAX 4.0m AT PROPERTY BOUNDARY FOR SINGLE GARAGE
  - MAX 5.0m AT PROPERTY BOUNDARY FOR DOUBLE GARAGE
- ALL STORMWATER RELOCATIONS ARE TO BE 100 UPVC SEWER GRADE PIPE WITH A 'CORDINA' TYPE GALVANISED STEEL OUTLET TO KERB & GUTTER. REFER TO LIVERPOOL CITY COUNCIL STANDARD DRAWING NO D17 FOR STANDARD ROOF WATER OUTLET AND ADOPTER DETAILS. NO OUTLET WILL BE PERMITTED WITHIN THE LAYBACK .
- WHEN ALL WORKS ARE COMPLETED, THE EDGES OF THE DRIVEWAY CROSSING ARE TO BE BACKFILLED AND COMPACTED WITH SUITABLE SOIL AND TURFED TO MATCH DRIVEWAY LEVELS.
- ALL EXISTING FOOTPATHS AFFECTED BY THE WORKS ARE TO BE SAWCUT AND REMOVED. THE DRIVEWAY CROSSING IS TO BE CONNECTED TO THE FOOTPATH WITH NO GAPS OR STEP.
- DRIVEWAY CROSSING MUST BE FENCED OFF UNTIL COMPLETED FOR PUBLIC SAFETY.
- DAMAGE TO EXISTING FOOTPATHS REQUIRES FULL PANEL REPLACEMENT TO THE NEAREST TRANSVERSE DUMMY JOINT TO MATCH EXISTING.
- GULLY PITS ARE NOT TO BE LOCATED WITHIN PROPOSED DRIVEWAYS.
- ALL DRIVEWAYS LOCATIONS ARE TO COMPLY WITH CLAUSE 3.2.3 OF AS2890.1-1993 - PARKING FACILITIES.
- ALL SURFACES MUST BE INSTALLED AND MAINTAINED TO COMPLY WITH AUSTRALIAN STANDARD AS/NZS 4586:1999, AS/NZS 4663:2004, AS/NZS 3661.2:1994.
- DOWELING OF LAYBACK TO DRIVEWAY WITH GALVANISED N12Ø DOWELS PLACED 350mm IN FROM EDGES OF CROSSING AND AT 900mm SPACING IS OPTIONAL BUT RECOMMENDED WHERE EXPANSIVE/REACTIVE CLAYS EXIST. COAT ONE HALF OF DOWEL WITH PETROLEUM JELLY IMPREGNATED TAPE TO ENSURE SLIP JOINT. ALL DOWELS TO BE 300mm LONG WITH 150mm PENETRATION INTO EACH SLAB.
- COMMERCIAL/INDUSTRIAL AND MEDIUM DEVELOPMENT AREAS LAYBACK TO CONSTRUCTED INTEGRAL WITH DRIVEWAY CROSSING.
- FORMWORK IS TO BE INSPECTED BY COUNCIL PRIOR TO POURING CONCRETE.



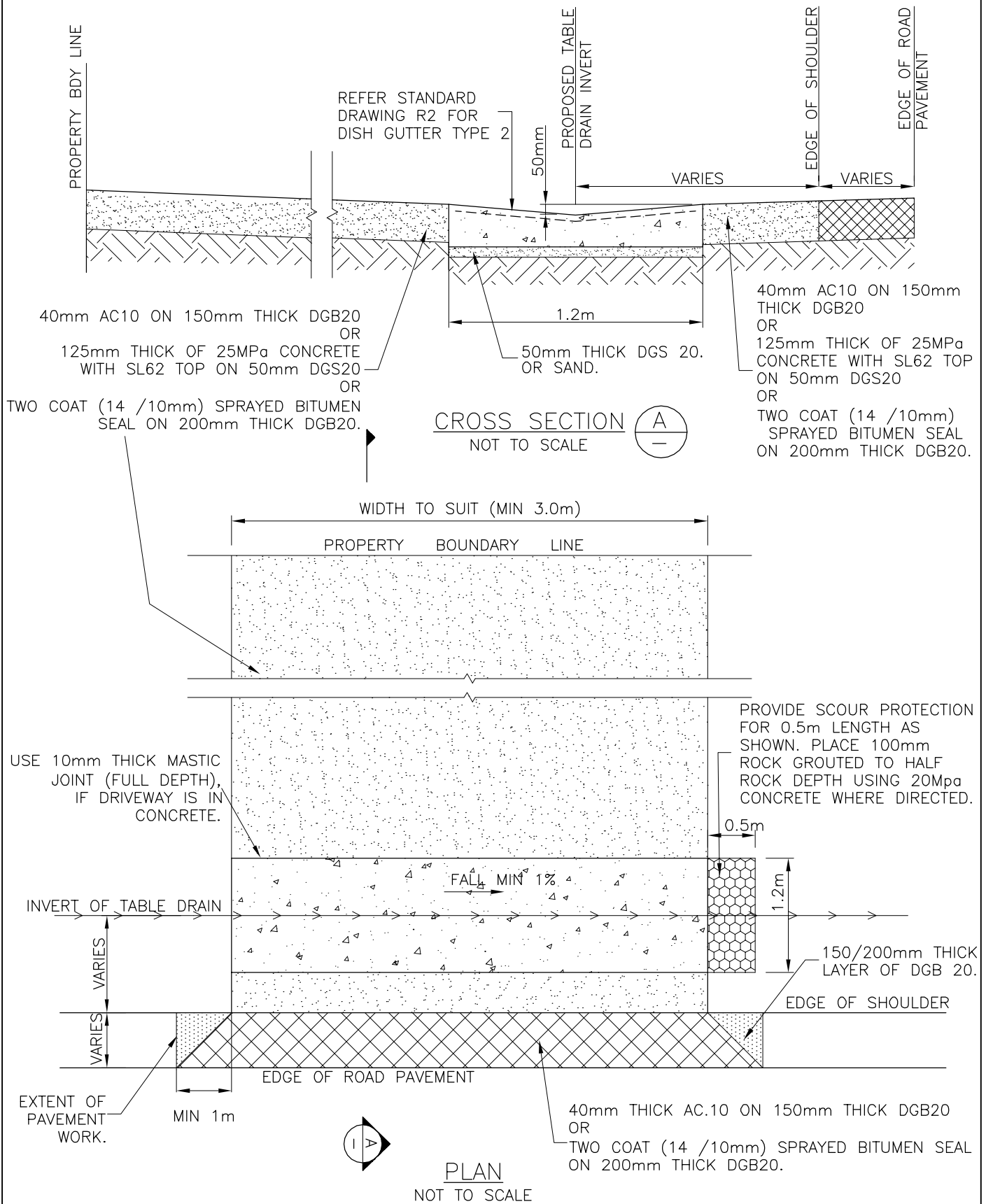
SCALE	AS SHOWN	ISSUE NO.	B	<b>LIVERPOOL CITY COUNCIL</b>	Std Dwg No.
DRAWN	P.S	DATUM	ASSUMED	CONCRETE VEHICULAR	R25
CHECKED	B.P	DATE	OCT 2014	CROSSINGS FOR URBAN AREAS	



NOTES:

1. PIPE DIAMETER WILL VARY ACCORDING TO CALCULATED STORMWATER FLOW. MIN DIA 300mm.
2. PIPES TO BE BEDDED ON WELL COMPACTED SAND.
3. BASE MATERIAL TO BE COMPACTED TO 95% MODIFIED DRY DENSITY AS DETERMINED BY AS1289.5.4.1.
4. UNLESS OTHERWISE ADVISED BY COUNCIL THE INVERT OF THE PIPE IS TO BE BELOW THE EXISTING SUBGRADE LEVEL.
5. SCOUR PROTECTION TO BE PLACED IN THE TABLE DRAIN ON THE DOWNSTREAM SIDE WHERE DIRECTED.
6. IF THE BEDDING HEIGHT IS LESS THAN 200mm, CLASS 6 PIPE TO BE USED.
7. FORM WORK IS TO BE INSPECTED BY COUNCIL PRIOR TO POURING CONCRETE.

SCALE	AS SHOWN	ISSUE NO.	A	<b>LIVERPOOL CITY COUNCIL</b> 	Std Dwg No.	
DRAWN	R.N.	DATUM	ASSUMED		VEHICULAR PIPE CROSSING	R26
CHECKED	v.c	DATE	AUG 2006		FOR RURAL AREAS	



- NOTE:
1. FORMWORK IS TO BE INSPECTED BY COUNCIL PRIOR TO POURING CONCRETE.
  2. FOR HEAVY DUTY DRIVEWAY USE SL82, DOUBLE LAYER SL62 TOP AND SL82 BOTTOM MESHES IN DISH GUTTER.
  3. THE SUB BASE MATERIAL SHALL BE COMPACTED TO PROVIDE A MINIMUM RELATIVE COMPACTION AS DETERMINED BY AS1289.5.4.1 OF 95% MODIFIED DRY DENSITY.

SCALE	AS SHOWN	ISSUE NO.	B	<b>LIVERPOOL CITY COUNCIL</b>  Std Dwg No.	
DRAWN	R.N.	DATUM	ASSUMED		VEHICULAR DISH CROSSING FOR RURAL AREAS
CHECKED	v.c	DATE	AUG 2006		

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