

VEHICLE CROSSING INFORMATION PACK



Included in this Pack

- Specific Conditions (QP-C289-AB)
- Standard Drawings
- Application to Form a Vehicle Crossing (QP-C289-AA)

Additional information that can be obtained from the Waimakariri District Council

- Standard Specifications
- District Plan
- Vehicle Crossing Bylaw

Please note:

Traffic Management Plans can only be completed by a current Site Traffic Management Supervisor (STMS)

SPECIFIC CONDITIONS FOR VEHICLE CROSSINGS CONSTRUCTION

1. GENERAL INFORMATION

- All vehicle crossings shall be constructed in accordance to the relevant sections of WDC Engineering Code of Practice standard Specification - Footpaths, Crossings and Berms QP-C813-AC, and Council District Plan Chapter 30.
- Special designs and conditions will apply to crossings across hillside channels or any other waterways. (For the ease of use the above documents have been summarised in the following information. However, applicant may view the full documents at Council Service Centres).
- Applications for a Vehicle Crossing Permit must be approved prior to work starting on the dwelling. The Vehicle Crossing Application form (QP-C289-AA) must be used. A fee of \$160.00 is payable on application.

2. TYPE OF CROSSING

Vehicle Crossings Use can be classified into the following:

➤ Residential Crossings:

- In Urban Areas, Crossings need to meet site requirements and match the channel and kerb type.
- In Rural Areas, Crossings need to match the existing road verge and to ensure adequate drainage (Culvert is required if a swale channel is existing). All crossings shall comply with the relevant following drawings:

600-211A	Typical Residential Vehicle Crossing (Flat Channel) Concrete
600-211B	Typical Residential Vehicle Crossing (Flat Channel) Hotmix
600-211C	Typical Residential Vehicle Crossing (Dish Channel) Hotmix
600-211D	Typical Vehicle Crossing Residential 3, 4, 5 Zone
600-217	Typical Rural Zone Entranceway

➤ Commercial Crossings:

- All commercial crossings shall comply with the relevant following drawings:

600-212A	Typical Commercial Vehicle Crossing (Flat Channel) Concrete
600-212B	Typical Commercial Vehicle Crossing (Flat Channel) Hotmix
600-212C	Typical Commercial Vehicle Crossing (Dish Channel) Hotmix
600-218	Typical Rural Zone Commercial Access

Other Important Drawings Relevant to Vehicle Crossings to Comply With:

600-201 B	Commercial Crossing Reinforcing Beam
600-219	Changes of Grade at Vehicle Crossing

Vehicle Crossing must comply with all relevant resource consent subdivision conditions.

3. LOCATION

Location of the vehicle crossings shall take into account the following:

- **Distance from other crossings on the same side of the road shall comply with the table below:**

Zone	Space between crossings(m) on the same side of the Road
Residential and Mapleham Rural 4B	Less than 1m or greater than 7m
Business	Less than 6m or greater than 12m
Rural	Less than 10m or greater than 180m

(Waimakariri District Plan chapter 30, Rule 30.6.1.14)

- **Minimum sight distance from access point shall comply with the table below:**

Legal Speed limited	50 (Km/hr)	70 (Km/hr)	100 (Km/hr)
Site Distance in Residential Zones (m)	45	85	250
Site Distance in Business & Rural Zones (m)	80	140	250

(Waimakariri District Plan Chapter 30, Rule 30.6.1.17)

- **Distance from intersections shall comply with the table below:**

Road Type that Vehicle Crossing Joins	Road Type and Posted Speed Limit of Intersection Road – Distance in metres									
	Strategic		Arterial		Collector		Urban Collector		Local	
	≤ 50 Km/hr	>50 Km/h	≤ 50 Km/h	> 50 Km/hr	≤ 50 Km/hr	> 50 Km/h	≤ 50 Km/hr	> 50 Km/hr	≤ 50 Km/hr	> 50 Km/h
Strategic	60	180	60	180	55	180	35	90	35	90
Arterial	60	180	60	180	55	180	35	90	35	90
Collector	50	75	40	75	40	60	20	60	20	60
Urban Collector	40	75	25	75	25	60	20	60	10	60
Local	25	75	25	75	25	60	10	60	10	60

(Waimakariri District Plan chapter 30, Rule 30.6.1.19)

- **Clearance from Existing Services:** Vehicle crossings must not be sited to interfere with any existing street works or markers, e.g. fire hydrants, water valves, storm-water outlets or sumps, trees, car-parks, beautification strips, electrical and telecommunication installations.

4. WIDTH OF CROSSING

- All vehicle crossings shall comply in full with the Council's district Plan. Crossing widths shall comply with the table below. For full details refer to Waimakariri District Plan, Chapter 30 Rule 30.6.1.13.

Zone	Crossing Width (Metres)	
	Min	Max
Residential	4	6
Business Business	5 5	7 8 For a shared crossing
Rural	3.5	6

5. MATERIALS

The vehicle crossing shall be constructed using standard surfacing material as follows:

- Urban Areas: Asphaltic Concrete or Concrete.
- Rural Areas. Access off sealed roads –Asphaltic Concrete or Chipseal
Access off unsealed roads -Metal

The vehicle crossing must not be constructed using the following material “Prohibited Materials”:

- Non skid Stamped concrete, coloured concrete, cobbles and non-standard paving that do not provide a safe, firm, relatively smooth and comfortable walking surface are not permitted
- Loose Surfaces that could migrate onto adjacent footpath or roadway or nearby drainage channels and gutters will not be permitted.

If the vehicle crossing is constructed using surfacing material other than those specified in 5 above you and all subsequent owners are accepting the following:

- That in the event of an excavation across the frontage, a non-standard surface will not necessarily be restored to its original appearance,
- That should a footpath ever be built across the frontage of the property the portion of the non-standard driveway that would form part of the path may be replaced with an alternative surface.

6. RELOCATION OF SERVICES

- Permission may be granted at the discretion of the Council for vehicle crossing location that conflicts with existing services under certain conditions.
- No existing services are to be moved without the written permission of the service provider.
- The applicant is responsible for making sure that any conditions imposed by the service provider have been met.
- No water connections or valves to be within the vehicle crossing.
- The cost of removing/ relocating any services will be the responsibility of the applicant.

Contact details for each of the services are as below:

Type of Service	Service Owner	How to request for relocation of service
Stormwater outlet	Waimakariri District Council.	<ul style="list-style-type: none"> – Call the Council and make an appointment with the Roading Unit Staff to discuss your alternatives. – Stormwater to be sited 1m from the vehicle crossing.
Water toby	Waimakariri District Council.	<ul style="list-style-type: none"> – Call the Council and make an appointment with the 3 Waters Staff to discuss your alternatives.
Street Tree & Street Garden, Irrigation Line	Waimakariri District Council.	<ul style="list-style-type: none"> – Call the Council and make an appointment with the Roading Unit Staff to discuss your alternatives. – Tree to be sited 2m from the vehicle crossing.
Power pole/ streetlight	Owner of the network, e.g., MainPower Network, etc.	<ul style="list-style-type: none"> – Call the service owner. Telephone number can be found in your telephone directory.
Telephone Manhole tops	Owner of the telephone service, e.g., Telecom, Telstraclear, etc.	<ul style="list-style-type: none"> – Call the service owner. Telephone number can be found in your telephone directory.
Other Street furniture (Sign, Post, Street name, etc.)	Waimakariri District Council.	<ul style="list-style-type: none"> – Call the Council and make an appointment with the Roading Unit Staff to discuss your alternatives.

7. CONSTRUCTION

Prior to any vehicle driving onto the site the following must be done:

- Saw cut the kerb and footpath at the excavation limits.
- Excavate the vehicle crossing to the depths as shown on the attached construction drawing.
- Note: Prior to the backfill being placed the Council need to inspect the excavated area.
- Backfill the excavation with sub-base as per the drawing.
- We recommend that the concrete is not poured until the construction on site is completed.
- Prior to pouring Concrete or laying the Asphaltic Concrete, the foundations must meet the following standard: The Cleg Impact Value (CIV) shall not be less than **25** for Residential crossings, and **35** for commercial vehicle crossings.

8. INSPECTIONS

- The applicant must allow the council the opportunity to inspect the vehicle crossing at the following stages:
 - **When the Crossing is excavated and before back filling starts.**
 - **When the Basecourse has been completed (compacted) before pouring Concrete or laying Asphaltic concrete; and**
 - **When the final surfacing has been completed.**
- It is necessary to notify the Council at least 2 working days so that arrangements can be made for the above inspections
- If further inspections or site supervision are necessary because of faulty workmanship the additional costs involved may be recovered from the applicant.
- A vehicle entrance constructed without Council inspections will be deemed as an illegal entrance.

To book a Vehicle Crossing Inspection phone 0800 965 468.

9. INSURANCE

The Contractor shall have a minimum of \$1,000,000 Public Liability Insurance. This policy shall indemnify the Council and the Contractor for all claims arising from the work. The Contractor shall upon request provide the Council with a copy of the above insurance policies.

10. SAFETY

- A Temporary Traffic Management Plan must be lodged at least **2** days prior to the planned commencement of any construction work.
- Approval must be gained prior to the commencement of any construction work.
- You and your contractor are both responsible for the safety of the site.
- Between initial construction and final surfacing, the Vehicle Crossing be kept in good condition to allow for the safe passage of pedestrians. Interruption to pedestrian and vehicular traffic shall be kept to a minimum at all times.

11. MAINTENANCE

It is essential that the applicant notify the Council when the final surfacing (Seal) is completed. Then the maintenance period shall be 12-month after the final surfacing is completed. The applicant is responsible for all costs associated with any repair work required as a result of settlement or poor workmanship during a 12-month period of maintenance.

12. APPLICANT'S OBLIGATIONS

As detailed in attached Waimakariri District Vehicle Crossings Bylaw 2007.

APPLICATION TO FORM A VEHICLE CROSSING (ENTRANCEWAY)

Made under Section 335 Local Government Act/Waimakariri District Vehicle Crossings Bylaw 2007

VEHICLE CROSSING No.

NOTE - Council may not accept a Vehicle Crossing Application until title (224c) has been issued for your property.

THE PROPERTY OWNER

1. Owner's name:
(Company or organisation name if applicable)
2. Mailing address:
3. Mobile: Landline: Email:

THE AGENT

4. Agent's name:
(Company or organisation name if applicable)
5. Mailing address:
6. Mobile: Landline: Email:

THE CONTRACTOR

7. Contractor's name:
(Company or organisation name if applicable)
8. Mailing address:
9. Mobile: Landline: Email:

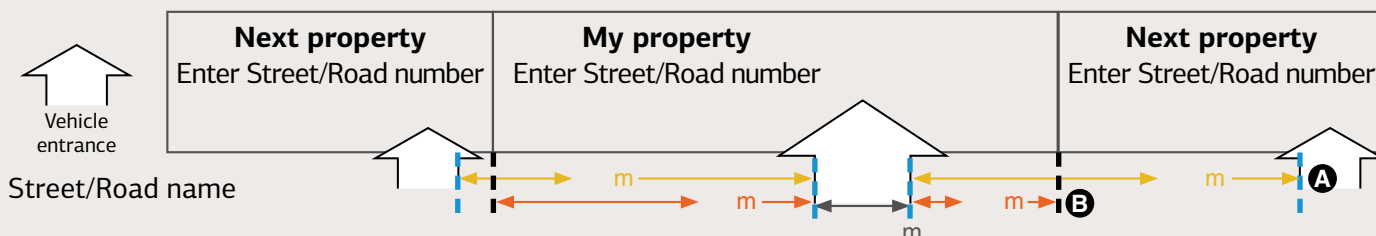
PROPERTY DETAILS OF PROPOSED VEHICLE ENTRANCE

10. Site address:
(Street/Road/Township)
11. Legal description:
Lot: DP: Valuation Number:

12. Building/Resource Consent Number: BC: RC:

13. Location Sketch (Please tick type of vehicle crossing):
Residential Rural Commercial/Industrial

Please provide both **A** and **B** distance figures where possible.



Using the sketch above, show the location, width of vehicle crossing and distances to the nearest vehicle crossings on the same side of the road. If more relevant (eg. when adjacent vehicle crossings have yet to be formed), please show the distance to the neighbouring boundaries/nearest intersection if beside a corner. **A** = Distance to neighbouring Vehicle Crossing. **B** = Distance to boundaries.

Please also show the location of any trees or services on the sketch above.

NOTE - If a Collector, Strategic or Arterial Road, on-site manoeuvring will need to be provided (District Plan Rule 30.6.1.37) and shown on the Building Consent plans. Email duty.planner@wmk.govt.nz for further information if required.

PAYMENT

14. If sending this application via email, please do not make a payment until you receive an invoice via reply.

Fee of \$165.00 attached

For retrospective applications (where work has commenced before the application is made) OR for applications that do not comply with the Vehicle Crossing Bylaw the fee is \$210.00.

VEHICLE CROSSING INSPECTIONS

- I will notify the Council two working days prior to excavation to confirm location and make arrangements for consequent inspections. Please note a fee of \$82.30 will apply for any failed inspections. To book a Vehicle Crossing Inspection phone 0800 965 468.

DECLARATION

- I will construct a vehicle crossing (entranceway) that complies with any Resource Consent and meets Council specifications from the formed roadway to my property. Between the initial construction and final surfacing of the vehicle crossing, the crossing will be kept in good condition to allow for the safe passage of pedestrians
- I note that stamped concrete, coloured concrete, cobbles and non standard paving blocks are NOT permitted
- I understand that all costs are the responsibility of the property owner and that a vehicle crossing that does not meet Council specifications will be upgraded at the property owner's cost
- I understand that I will be responsible for the costs associated with any repair work required as a result of settlement or poor workmanship during a 12-month period of maintenance.

INFORMATION

- (a) Your permit is valid for 12 months with your vehicle entrance to be completed within that period.
- (b) It is the property owner's responsibility to arrange and pay for the construction of a vehicle entrance.
- (c) A vehicle entrance constructed without Council inspections will be deemed as an illegal entrance.
- (d) A vehicle entrance must be formed to top-course stage prior to the commencement of any building work.
- (e) You or your Contractor will need to fill in a Temporary Traffic Management Plan at least 2 working days before construction, you cannot work on the road or footpath until it has been approved. (If there is a need for public notification eg road closure, then additional notice is required).

A Vehicle Crossing Information Pack is available from Waimakariri District Council Service Centres and website:
<http://www.waimakariri.govt.nz/services/roads-and-transport/driveways-and-vehicle-crossings>
It contains specifications and additional information as well as plans for typical urban and rural vehicle crossings.

OWNER AUTHORISATION

PLEASE NOTE - By entering your name in the box below you are giving your authority for the application to proceed.

Name:

Date:

I am the Owner Agent

OFFICE USE ONLY

	Front Counter	Roading	Plan Admin	CSO - PIMs
Officer				
Date				

INSPECTION TYPE	Yes	No	Date	Comments	Inspected by
Location					
Excavation					
Base Course					
Final Surfacing (completed satisfactorily)					
Additional Inspection (completed satisfactorily)					

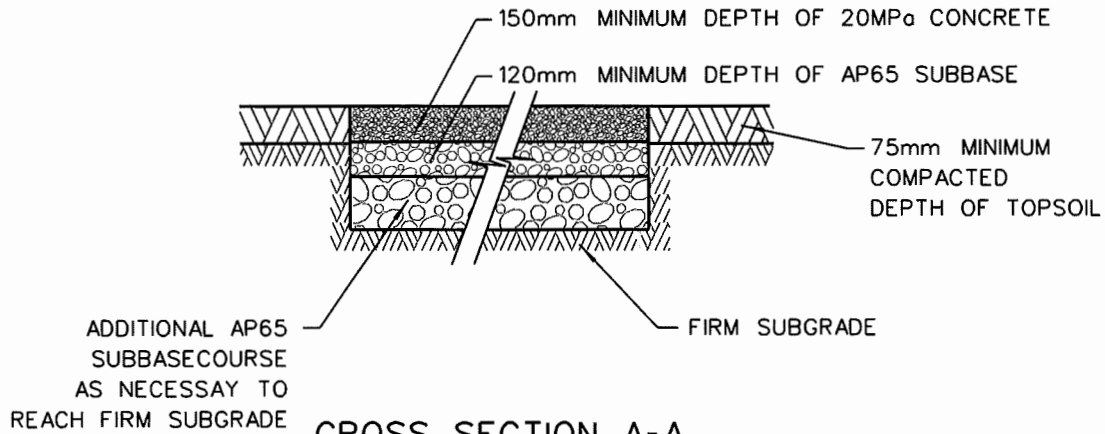
Date payment processed:

Receipt

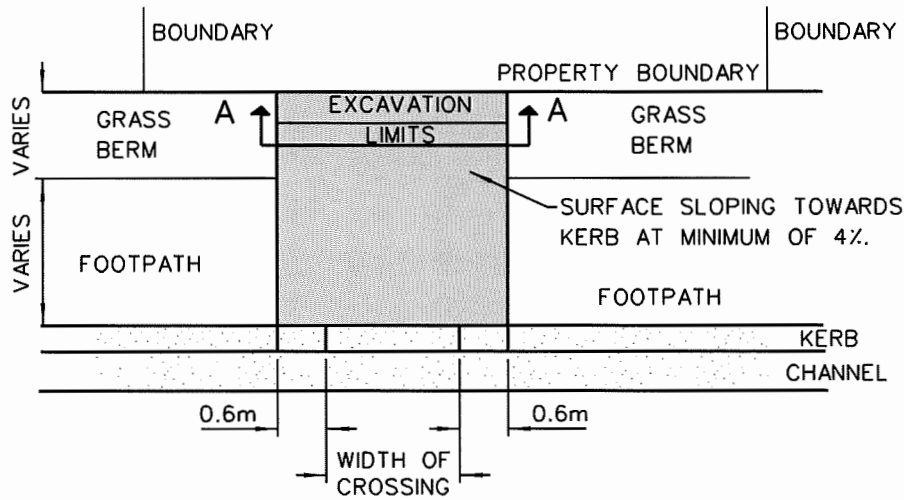
Officer:

Fee paid on application

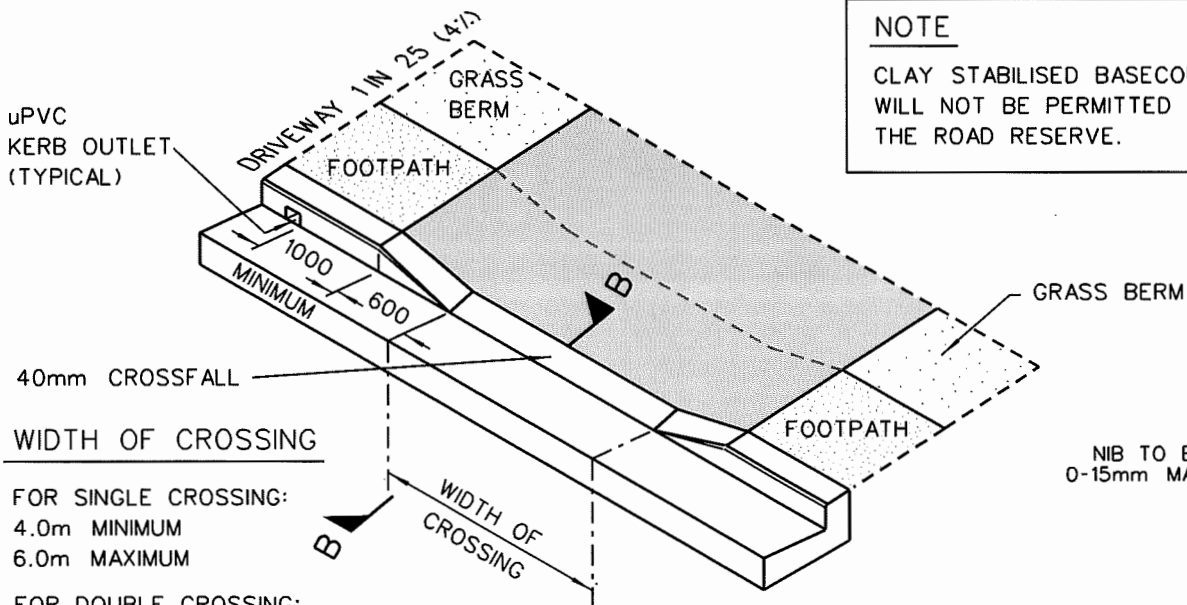
Deposit invoice sent



CROSS SECTION A-A



PLAN



ISOMETRIC VIEW

NOTE

CLAY STABILISED BASECOURSE WILL NOT BE PERMITTED WITHIN THE ROAD RESERVE.

NIB TO BE 0-15mm MAX

SECTION B-B

FOR SINGLE CROSSING:

4.0m MINIMUM
6.0m MAXIMUM

FOR DOUBLE CROSSING:

6.0m MINIMUM
8.0m MAXIMUM



WAIMAKARIRI
DISTRICT COUNCIL

NOT TO SCALE
DRAFT

SHEET TITLE

Typical Residential
Concrete
Vehicle Crossing
(Flat Channel)

PROJECT TITLE

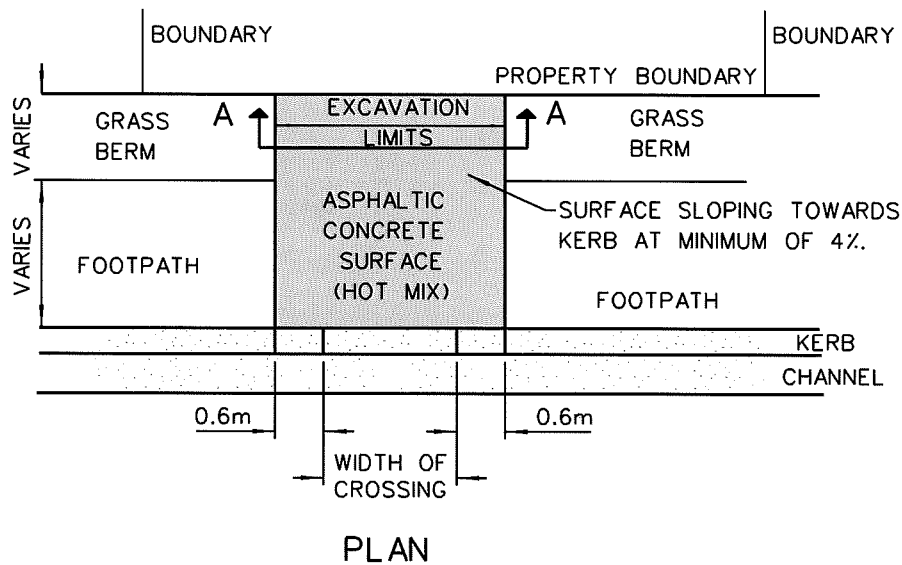
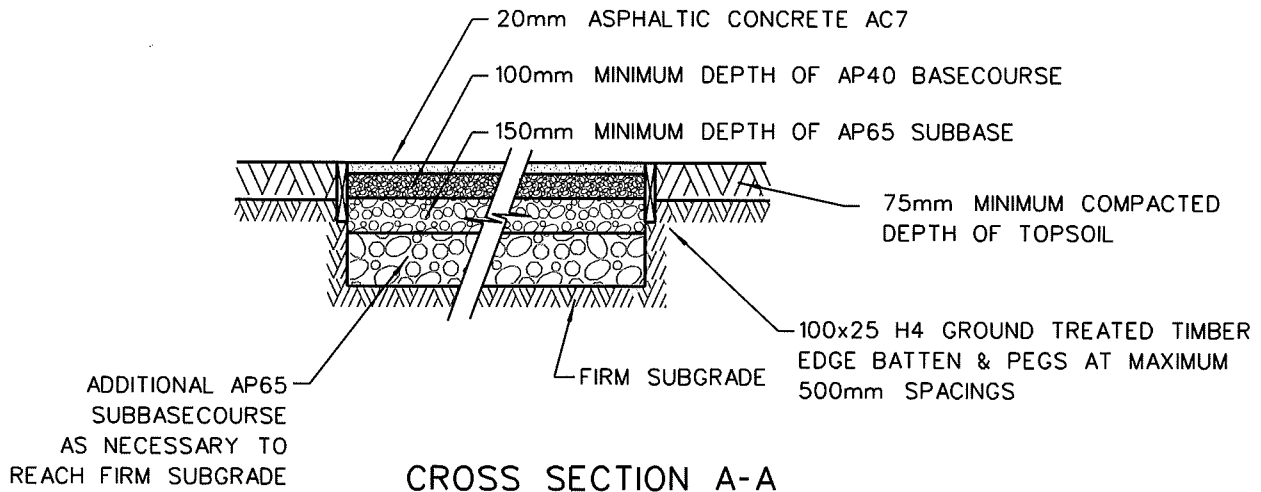
Standard Drawings

SHEET

211A

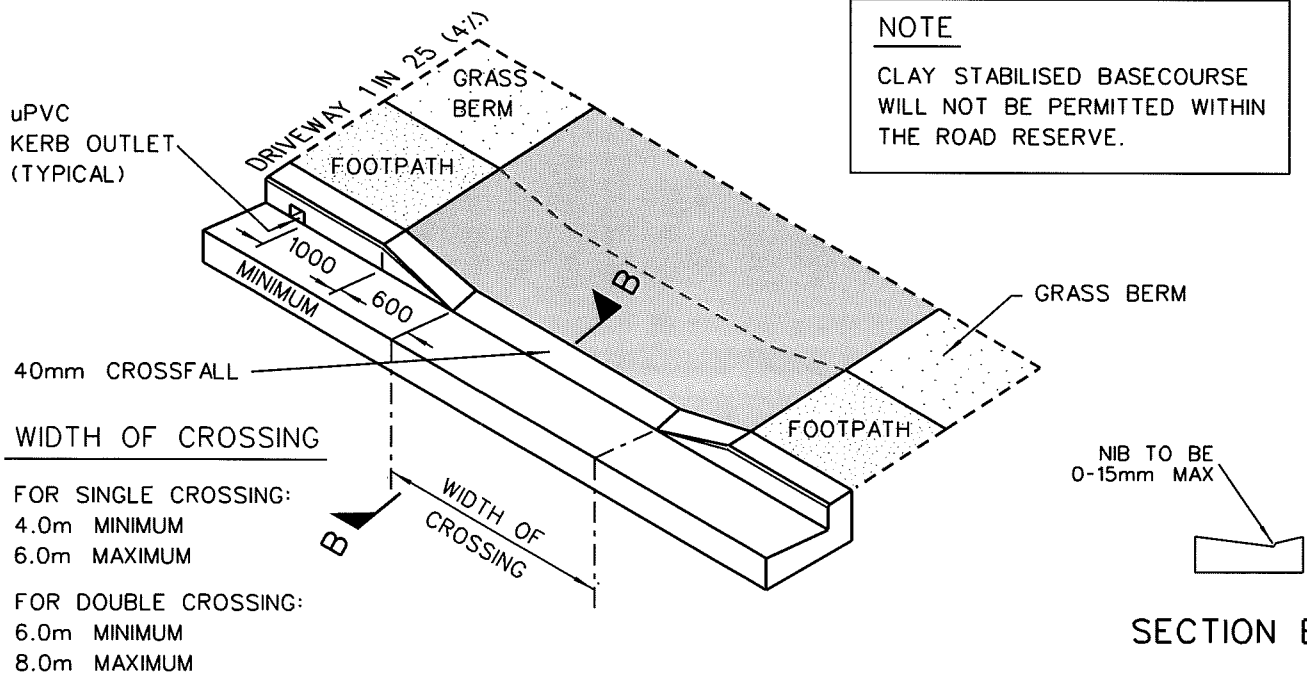
ISSUE
F

PLAN No.
600



NOTE

CLAY STABILISED BASECOURSE
WILL NOT BE PERMITTED WITHIN
THE ROAD RESERVE.



ISOMETRIC VIEW



WAIMAKARIRI
DISTRICT COUNCIL

NOT TO SCALE
DRAFT

SHEET TITLE

Typical Residential
Hot Mix
Vehicle Crossing
(Flat Channel)

PROJECT TITLE

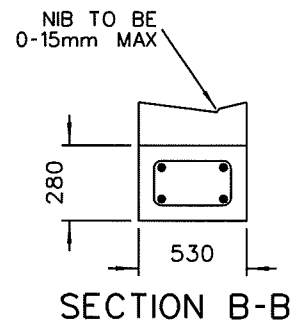
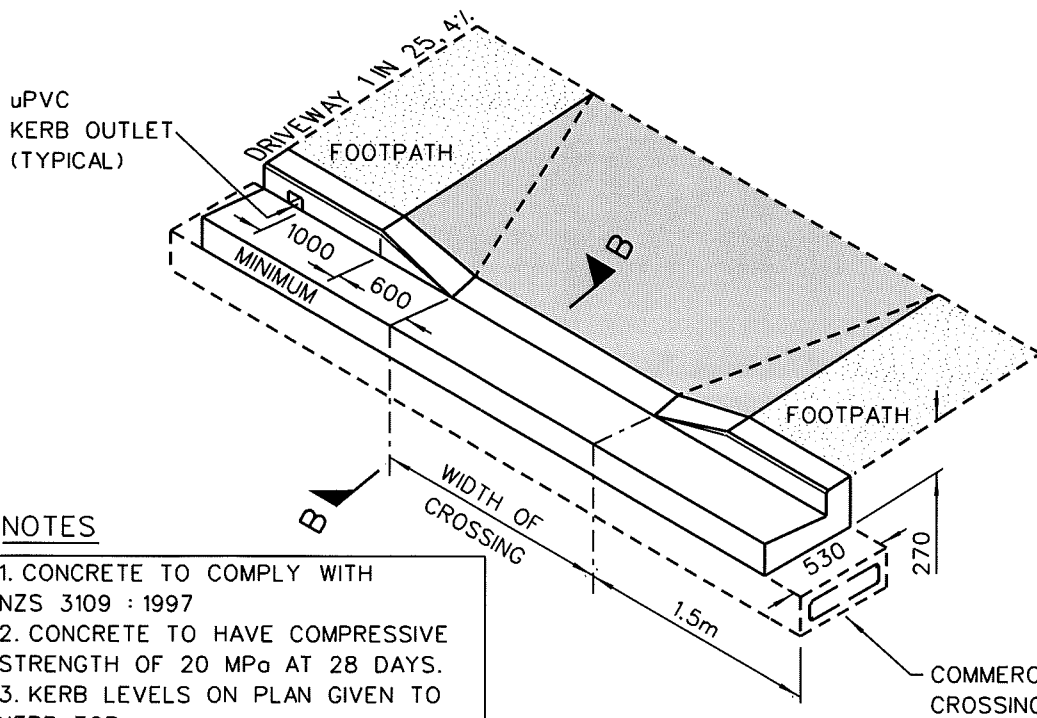
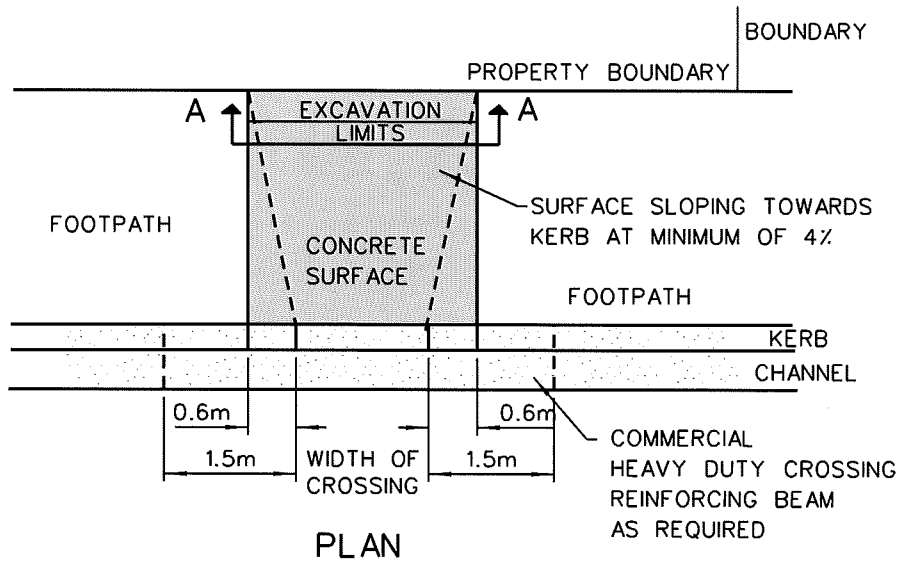
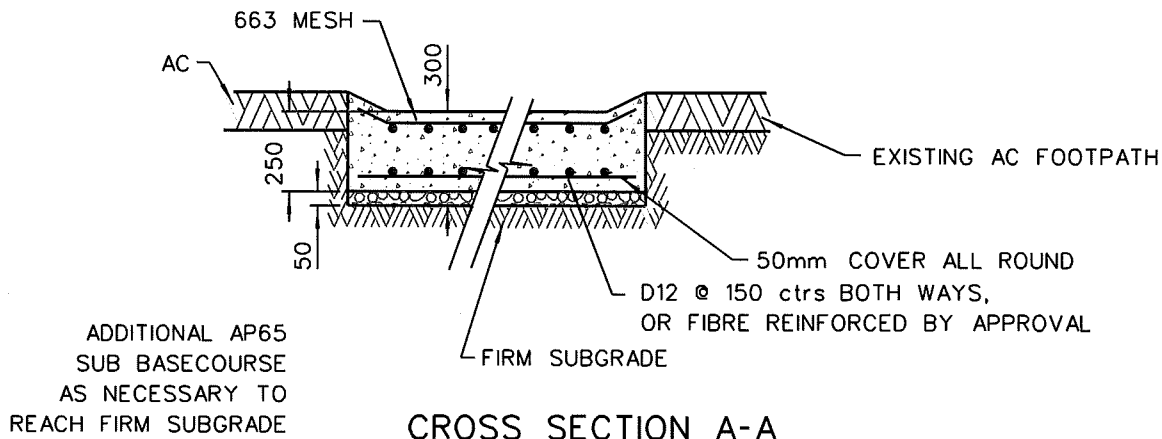
Standard Drawings

SHEET

211B

ISSUE
B

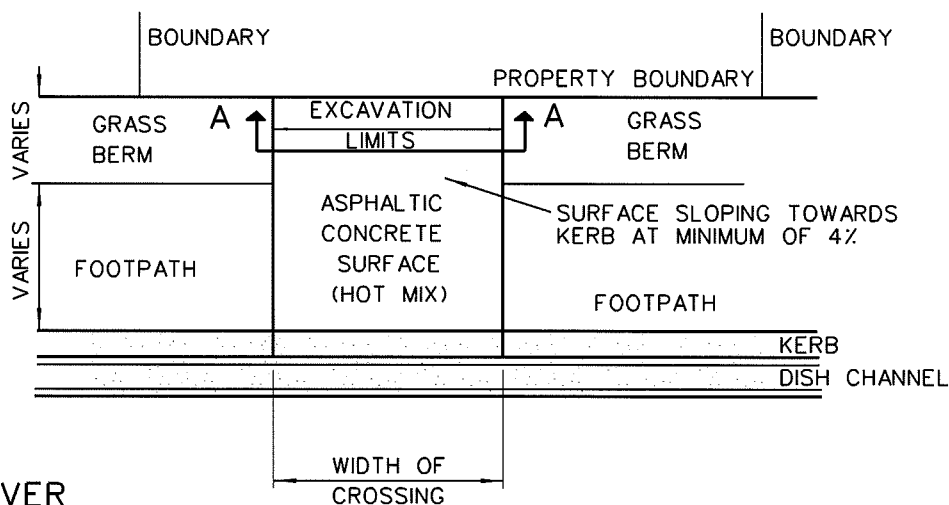
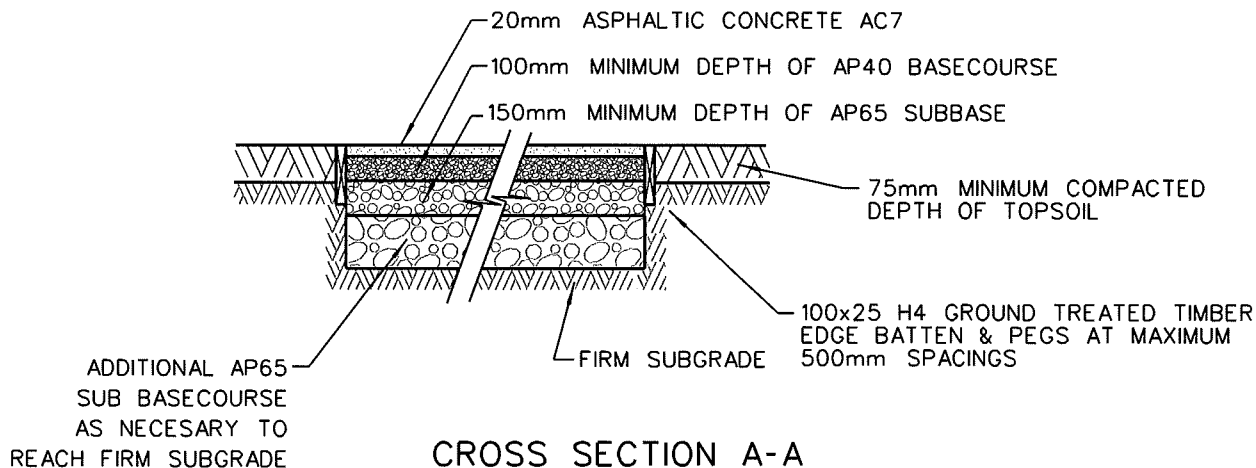
PLAN No.
600



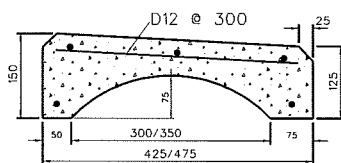
NOTES

1. CONCRETE TO COMPLY WITH NZS 3109 : 1997
2. CONCRETE TO HAVE COMPRESSIVE STRENGTH OF 20 MPa AT 28 DAYS.
3. KERB LEVELS ON PLAN GIVEN TO KERB TOP.
4. OFFSETS GIVEN TO KERB FACE.
5. MINIMUM COVER TO STEEL IS 40mm.

WIDTH OF CROSSING
BY APPROVAL OF COUNCIL



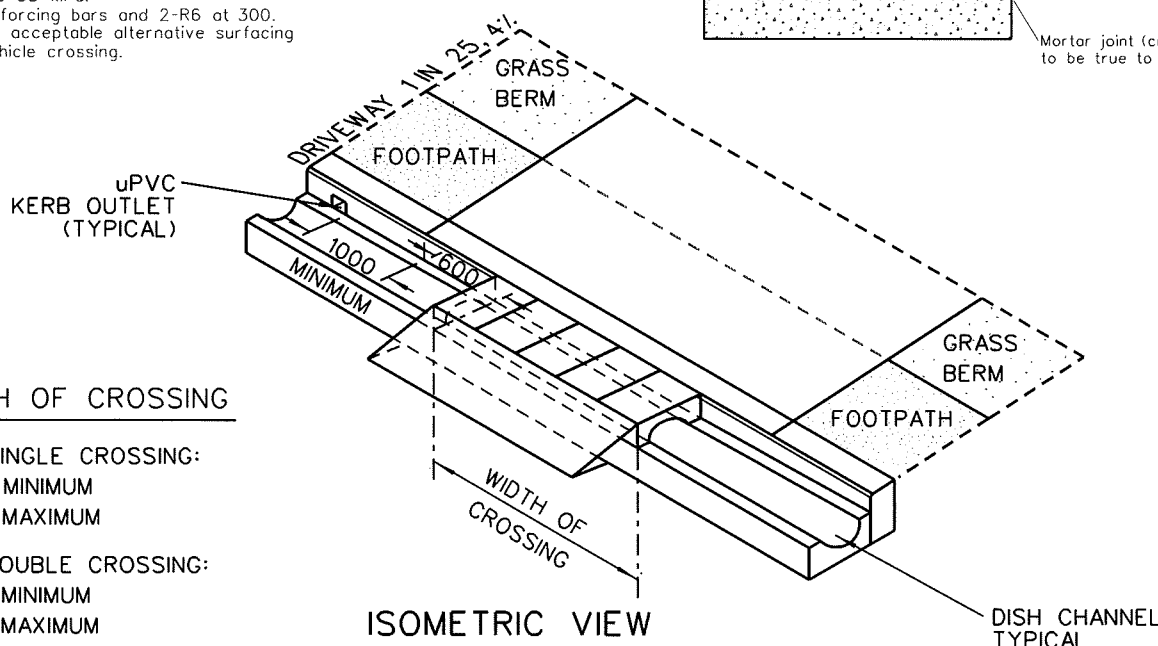
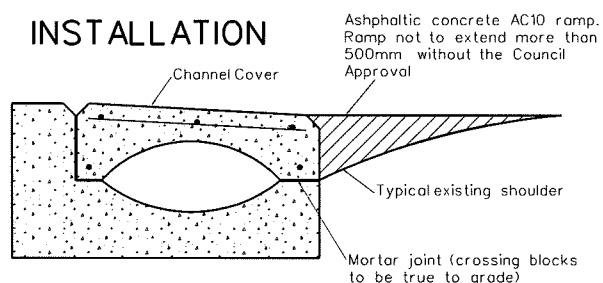
CHANNEL COVER



NOTES:

1. All concrete 35 MPa.
2. 5-D12 reinforcing bars and 2-R6 at 300.
3. AC10 is an acceptable alternative surfacing for the vehicle crossing.

INSTALLATION



WIDTH OF CROSSING

FOR SINGLE CROSSING:

4.0m MINIMUM
6.0m MAXIMUM

FOR DOUBLE CROSSING:

6.0m MINIMUM
8.0m MAXIMUM

Based on CCC drawing SDXXX



WAIMAKARIRI
DISTRICT COUNCIL

NOT TO SCALE
DRAFT

SHEET TITLE

Typical Residential
Hot Mix
Vehicle Crossing
(Dish Channel)

PROJECT TITLE

Standard Drawings

SHEET

211C

ISSUE
E

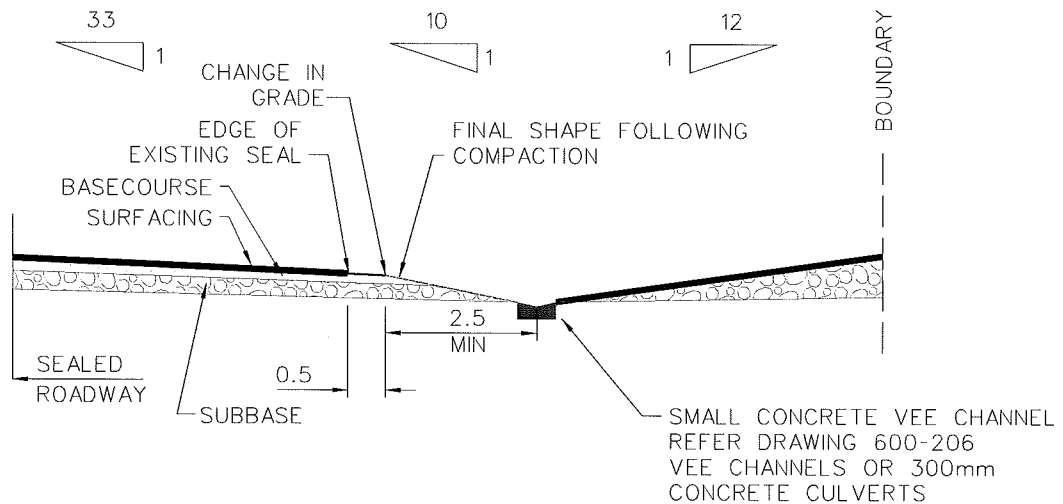
PLAN No.
600

MINIMUM FORMATION STANDARDS

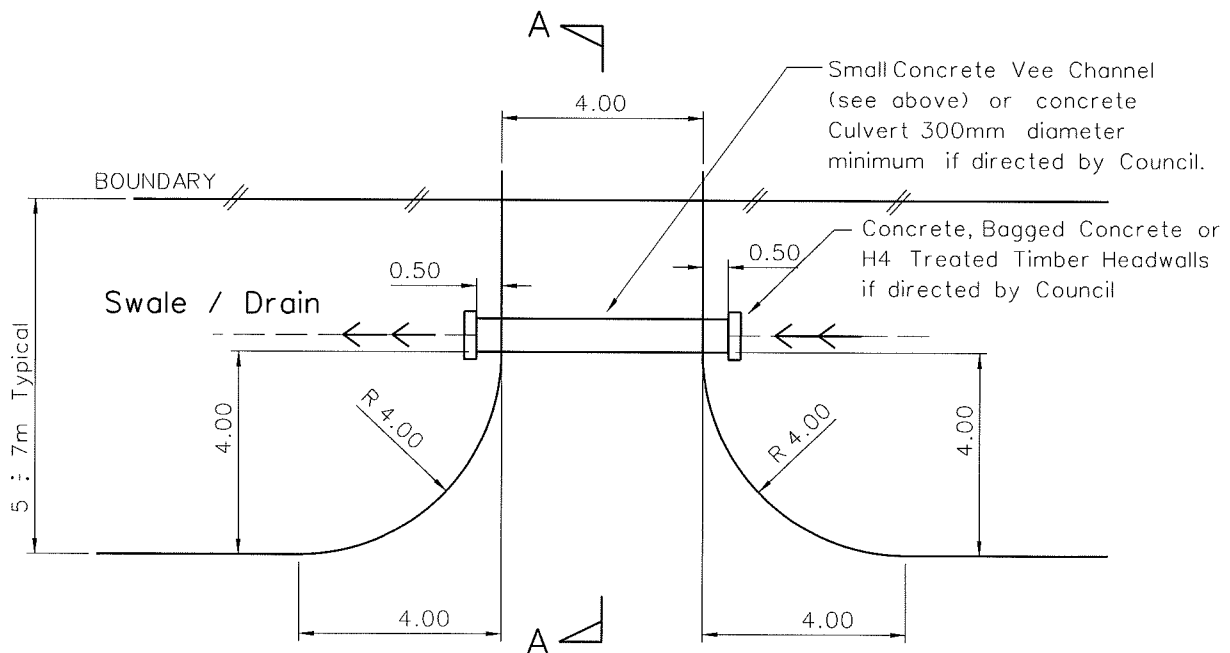
The formation shall extend down to a suitable subgrade which shall be free of organic material. As a minimum requirement, the formation shall comprise of a 150 mm compacted layer of screened river run sub base (AP65) overlaid with a 100 millimeter compacted layer of crushed base course (AP40).

The top surfacing course shall be applied as follows:

- (a) Where the adjacent road formation is sealed, the entrance formation shall be overlaid with a coat of chip seal consisting of hot bitumen sprayed at a rate of 1.8 litres / square metre and Grade 4 chip.
- (b) Where the adjacent road formation is metalled, the new entrance formation shall be overlaid with AP20 running course.
- (c) Clay stabilised metalcourse will not be approved in the road reserve.



CROSS SECTION A-A



PLAN

Based on CCC drawing SDXXX



WAIMAKARIRI
DISTRICT COUNCIL

NOT TO SCALE

DRAFT

SHEET TITLE

Typical Residential
Vehicle Crossing
Zones: 3, 4 & 5

PROJECT TITLE

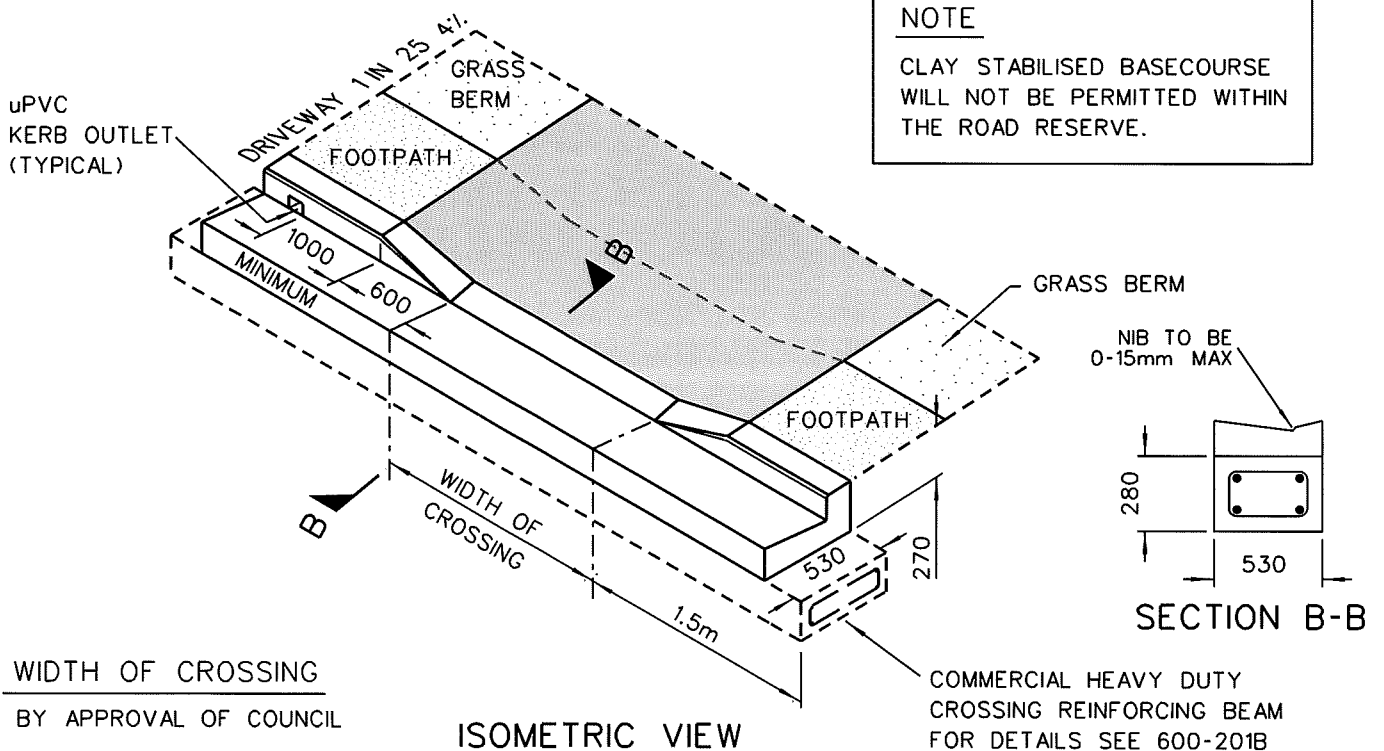
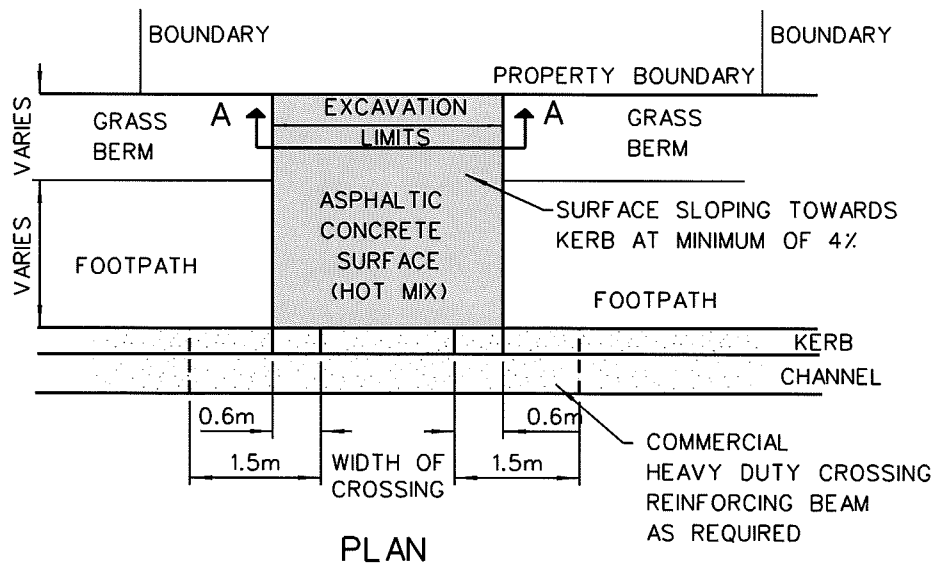
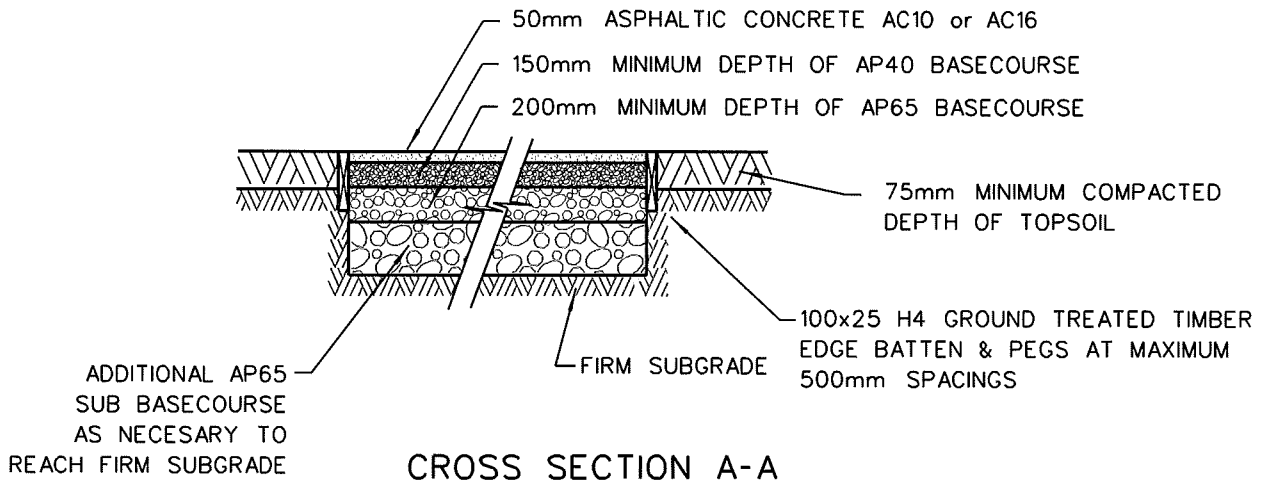
Standard Drawings

SHEET

211D

ISSUE
E

PLAN No.
600



NOTE

CLAY STABILISED BASECOURSE WILL NOT BE PERMITTED WITHIN THE ROAD RESERVE.

WIDTH OF CROSSING
BY APPROVAL OF COUNCIL



WAIMAKARIRI
DISTRICT COUNCIL

NOT TO SCALE

SHEET TITLE

Typical Commercial
Hot Mix
Vehicle Crossing
(Flat Channel)

PROJECT TITLE

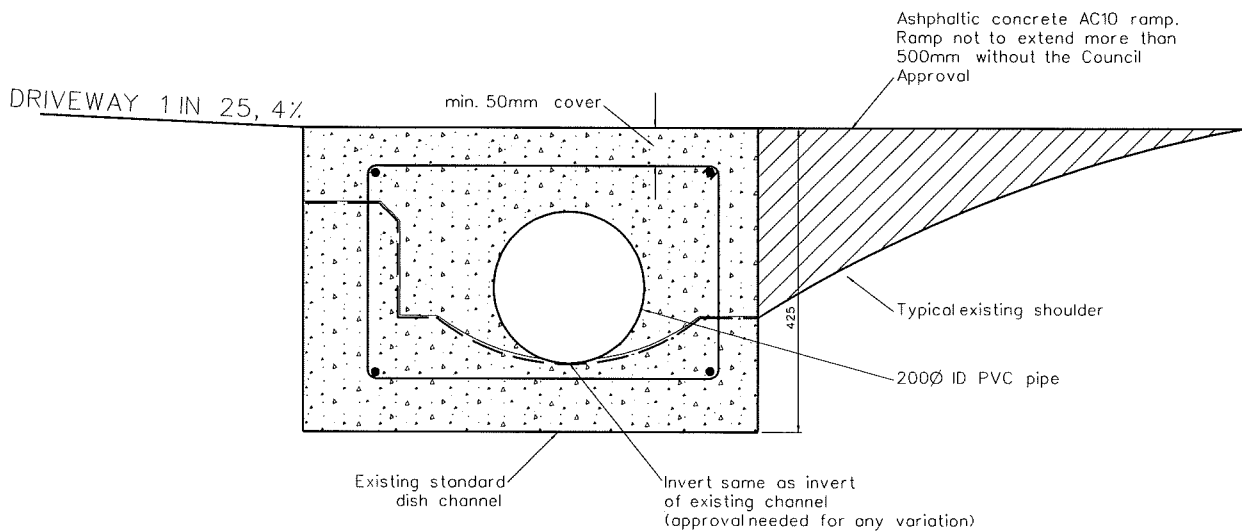
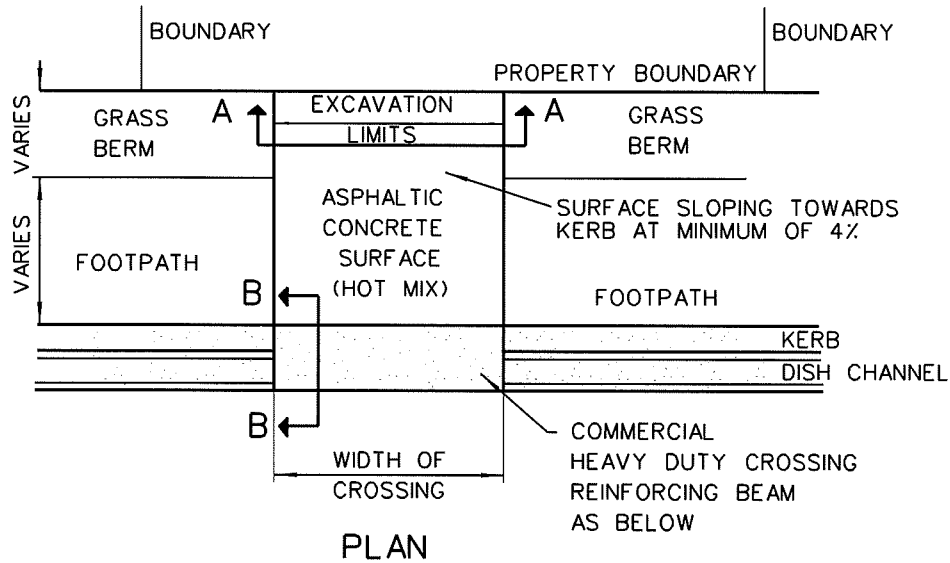
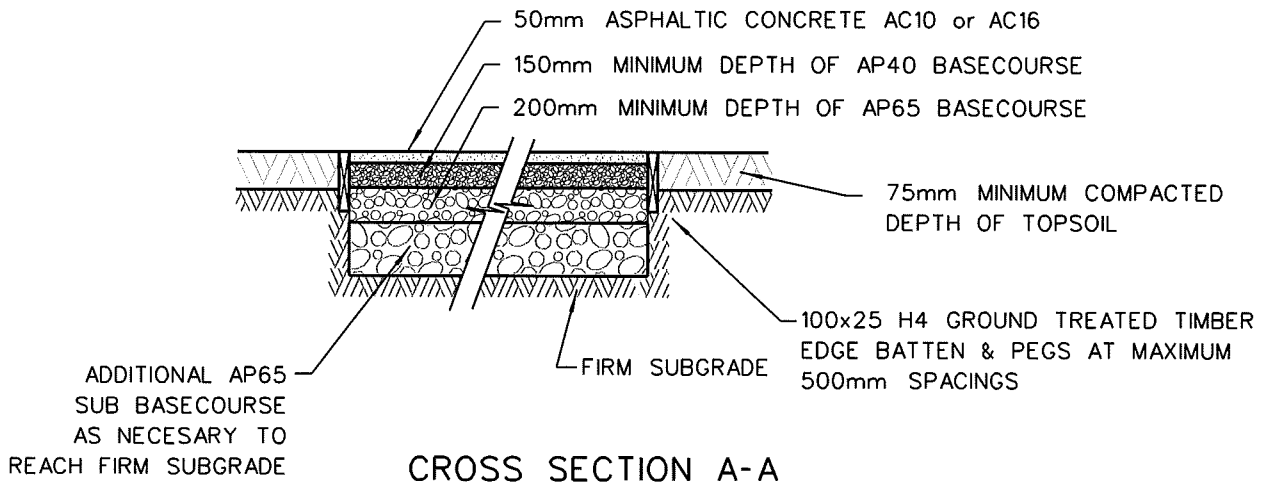
Standard Drawings

SHEET

212B

ISSUE
C

PLAN No.
600



NOTES:

1. All concrete 20 MPa at 28 days.
2. 4-D12 reinforcing bars and 6mm stirrups at 600.

WIDTH OF CROSSING
BY APPROVAL OF COUNCIL



WAIMAKARIRI
DISTRICT COUNCIL

NOT TO SCALE

DRAFT

SHEET TITLE

Typical Commercial
Hot Mix
Vehicle Crossing
(Dish Channel)

PROJECT TITLE

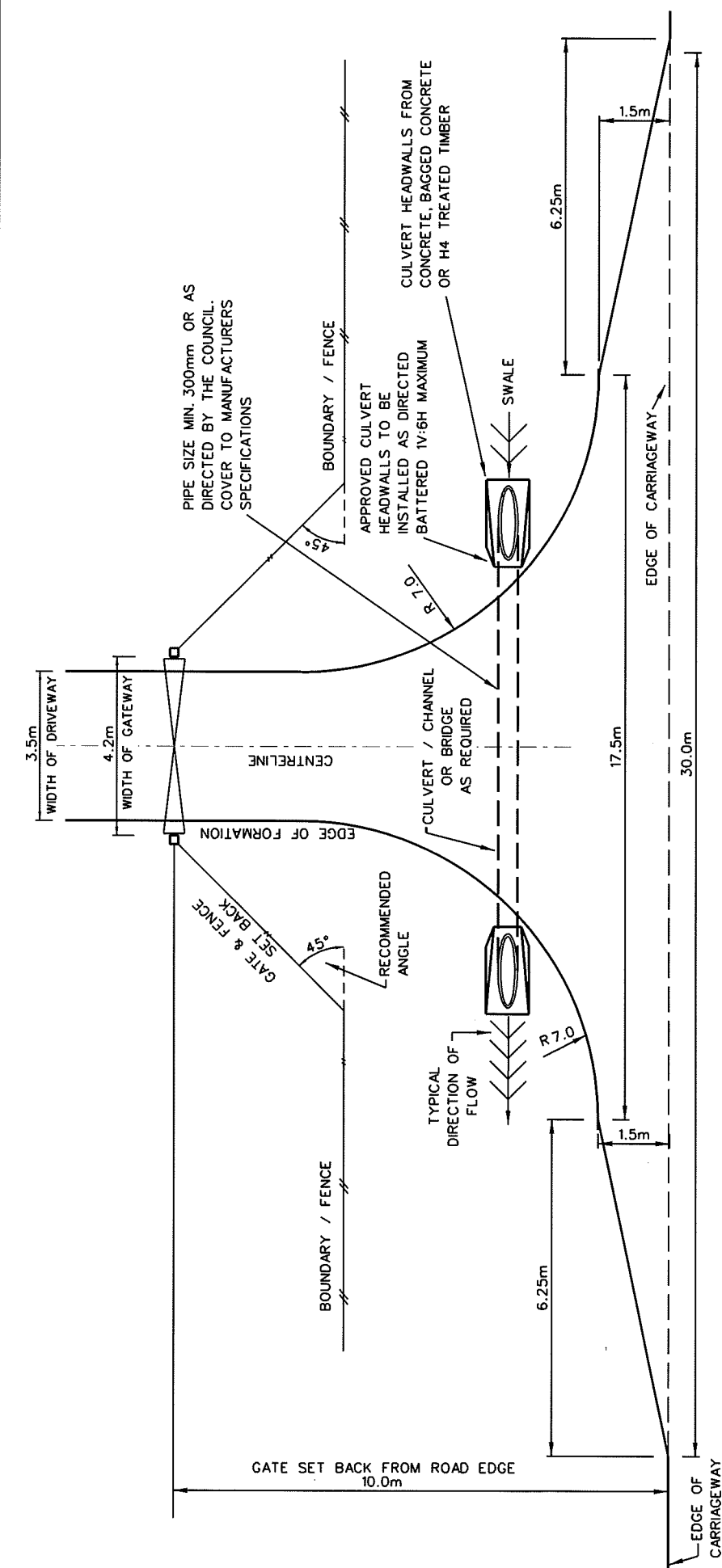
Standard Drawings

SHEET

212C

ISSUE
D

PLAN No.
600



MINIMUM FORMATION STANDARDS

The formation shall extend down to a suitable subgrade which shall be free of organic material. As a minimum requirement, the formation shall comprise of a 150 mm compacted layer of screened river run sub base (AP65) overlaid with a 100 millimeter compacted layer of crushed base course (AP40).

The top surfacing course shall be applied as follows:

- Where the adjacent road formation is sealed, the entrance formation shall be overlaid with a coat of chip seal consisting of hot bitumen sprayed at a rate of 1.8 litres / square metre and Grade 4 chip.
- Where the adjacent road formation is metalled, the new entrance formation shall be overlaid with AP20 running course.
- Clay stabilised metalcourse will not be approved in the road reserve.



WAIMAKARIRI
DISTRICT COUNCIL

NOT TO SCALE
DRAFT

Typical
Rural Zone
Entranceway

PROJECT TITLE

Standard Drawings

SHEET

217

ISSUE
E

PLAN No.
600



WAIMAKARIRI
DISTRICT COUNCIL

NOT TO SCALE

DRAFT

SHEET TITLE

Typical Rural Zone
Commercial
Access

PROJECT TITLE

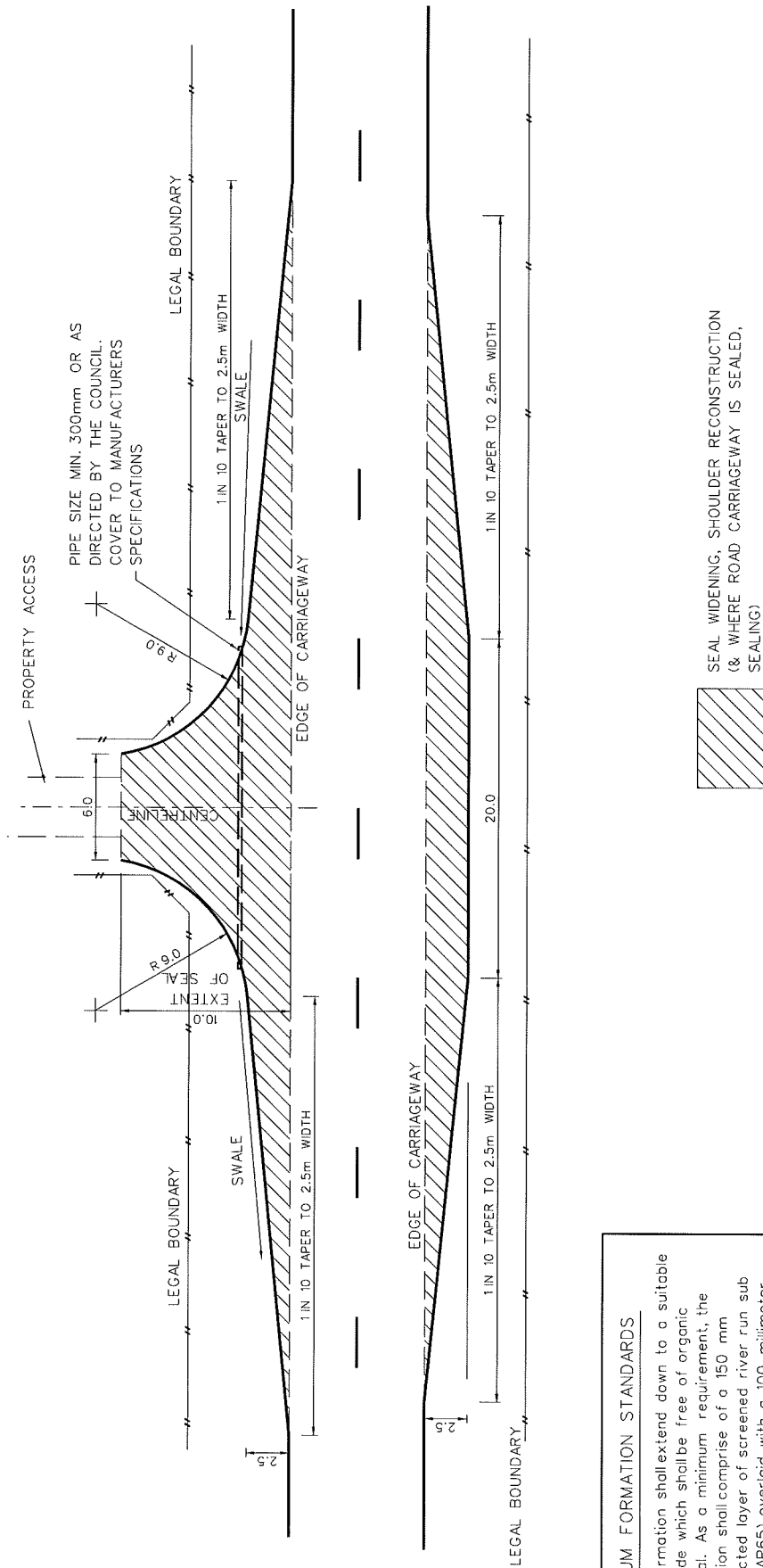
Standard Drawings

SHEET

218

ISSUE
F

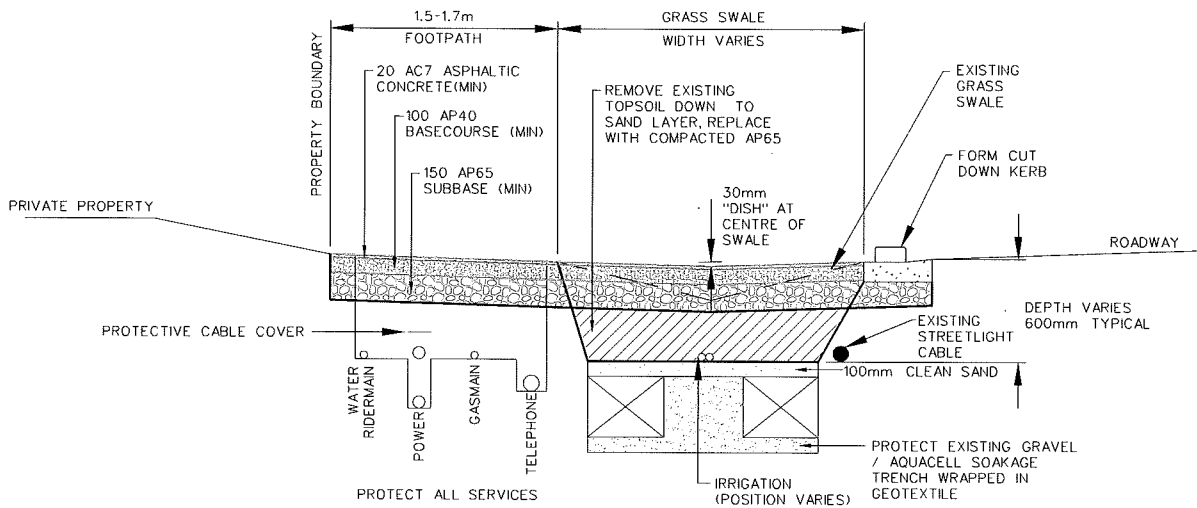
PLAN No.
600



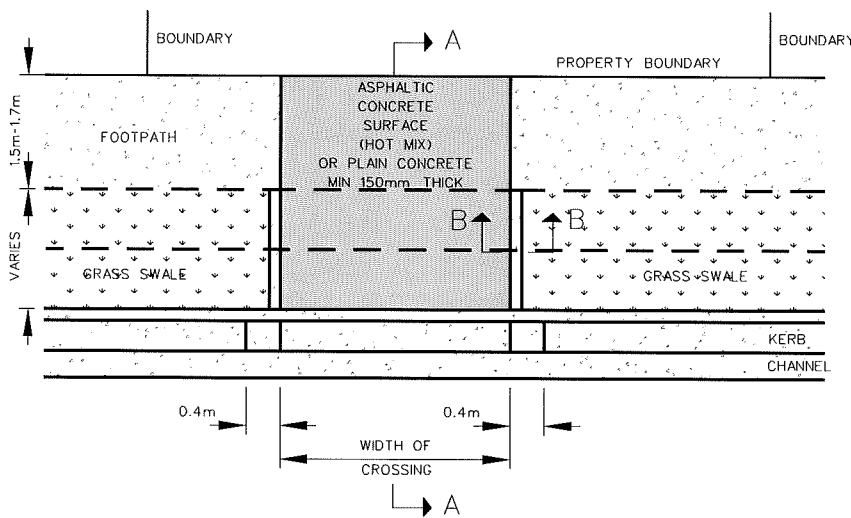
MINIMUM FORMATION STANDARDS

The formation shall extend down to a suitable subgrade which shall be free of organic material. As a minimum requirement, the formation shall comprise of a 150 mm compacted layer of screened river run sub base (AP65) overlaid with a 100 millimeter compacted layer of crushed base course (AP40). The top course shall be applied as follows:

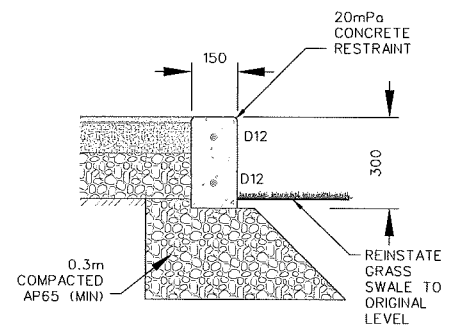
- Where the adjacent road formation is sealed, the entrance formation shall be overlaid with a coat of chip seal, consisting of hot bitumen sprayed at a rate of 1.8 litres / square metre and grade 4 stone chip.
- Where the adjacent road formation is metalled, the new entrance formation shall be overlaid with AP20 running course.
- Clay stabilised metalcourse will not be approved in the road reserve.



CROSS SECTION A-A



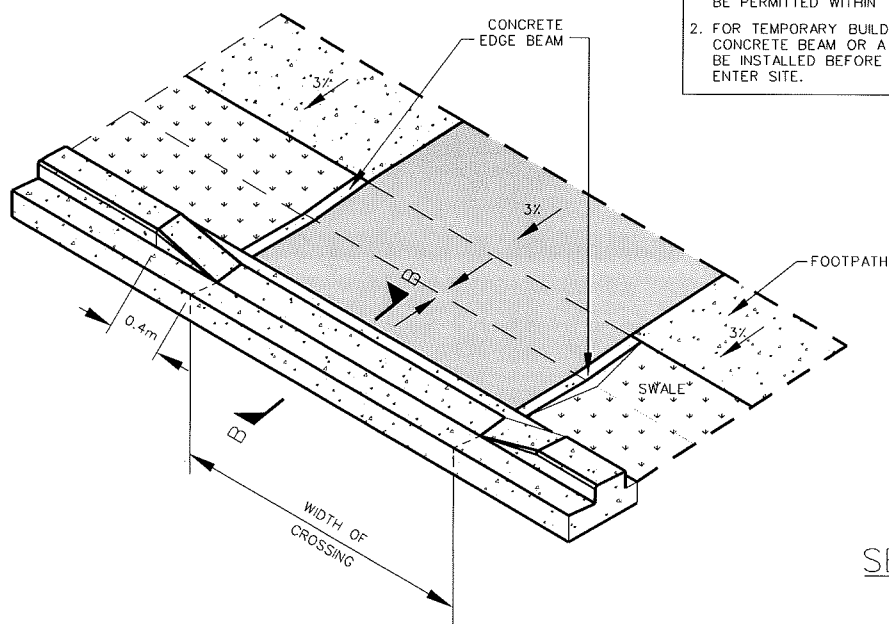
PLAN



CROSS SECTION B-B
CONCRETE EDGE BEAM

NOTE

1. CLAY STABILISED BASECOURSE WILL NOT BE PERMITTED WITHIN THE ROAD RESERVE.
2. FOR TEMPORARY BUILDERS CROSSING CONCRETE BEAM OR A TIMBER BATTEN TO BE INSTALLED BEFORE ANY VEHICLES ENTER SITE.



SECTION B-B

WIDTH OF CROSSING

4.0m MINIMUM
6.0m MAXIMUM

FOR COMMERCIAL:
BY APPROVAL

ISOMETRIC VIEW



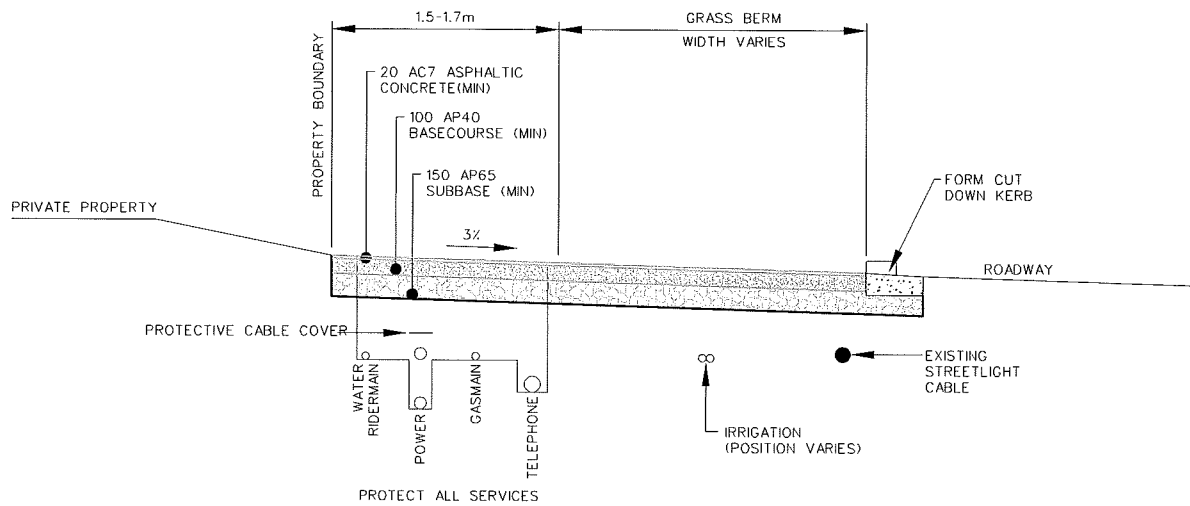
WAIMAKARIRI
DISTRICT COUNCIL

NOT TO SCALE
DRAFT

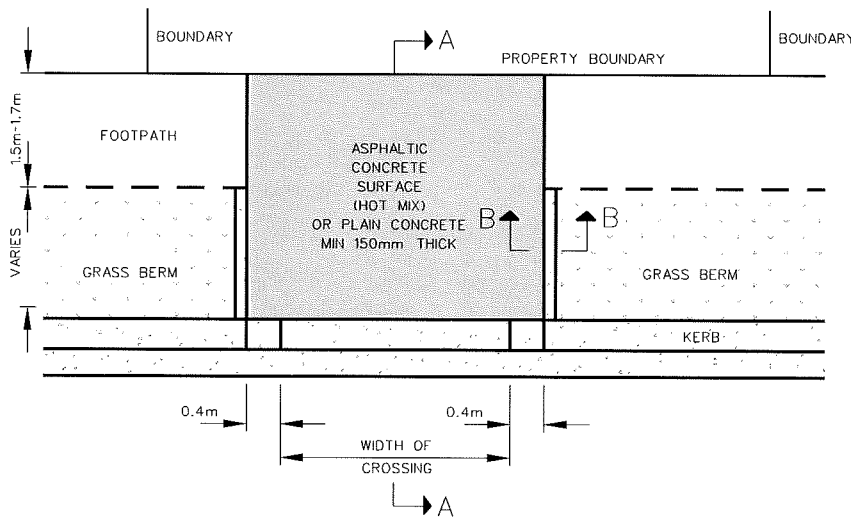
SHEET TITLE
Pegasus RES6
Vehicle Crossing
(With Swale)

PROJECT TITLE
Standard
Drawings

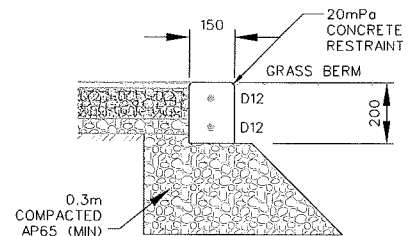
SHEET
220A
ISSUE
F
PLAN No.
600



CROSS SECTION A-A



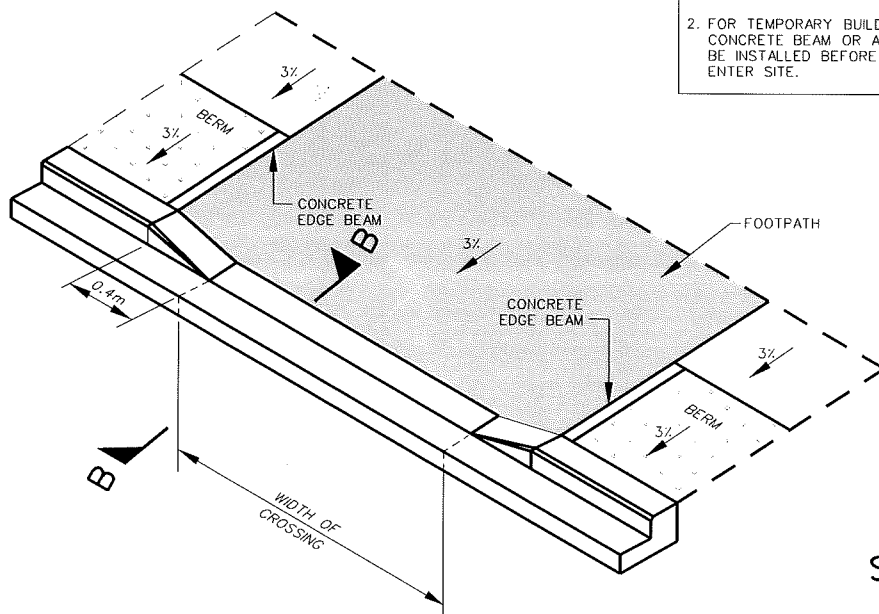
PLAN



CROSS SECTION B-B
CONCRETE EDGE BEAM

NOTE

1. CLAY STABILISED BASECOURSE WILL NOT BE PERMITTED WITHIN THE ROAD RESERVE.
2. FOR TEMPORARY BUILDERS CROSSING CONCRETE BEAM OR A TIMBER BATTEN TO BE INSTALLED BEFORE ANY VEHICLES ENTER SITE.



ISOMETRIC VIEW

SECTION B-B

WIDTH OF CROSSING

4.0m MINIMUM
6.0m MAXIMUM

FOR COMMERCIAL:
BY APPROVAL



WAIMAKARIRI
DISTRICT COUNCIL

NOT TO SCALE
DRAFT

SHEET TITLE

Pegasus RES6
Vehicle Crossing
(Without Swale)

PROJECT TITLE

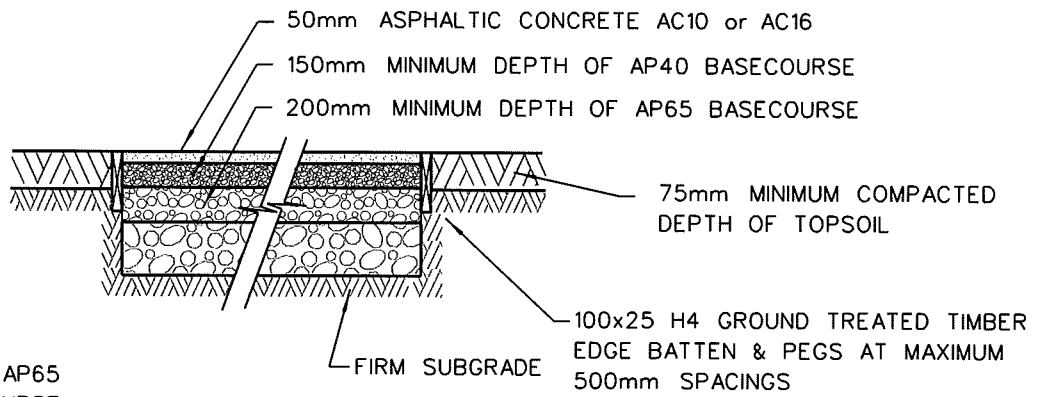
Standard
Drawings

SHEET

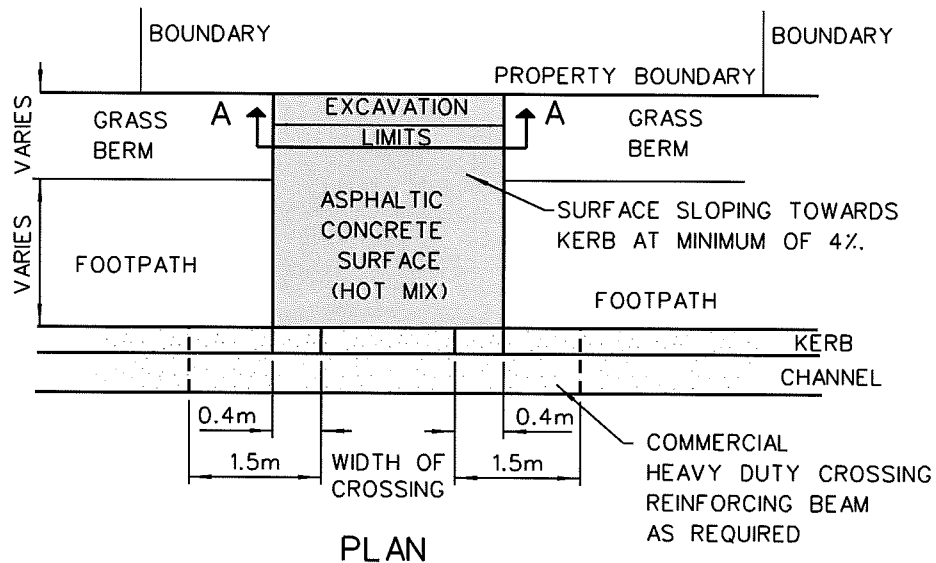
220B

ISSUE
F

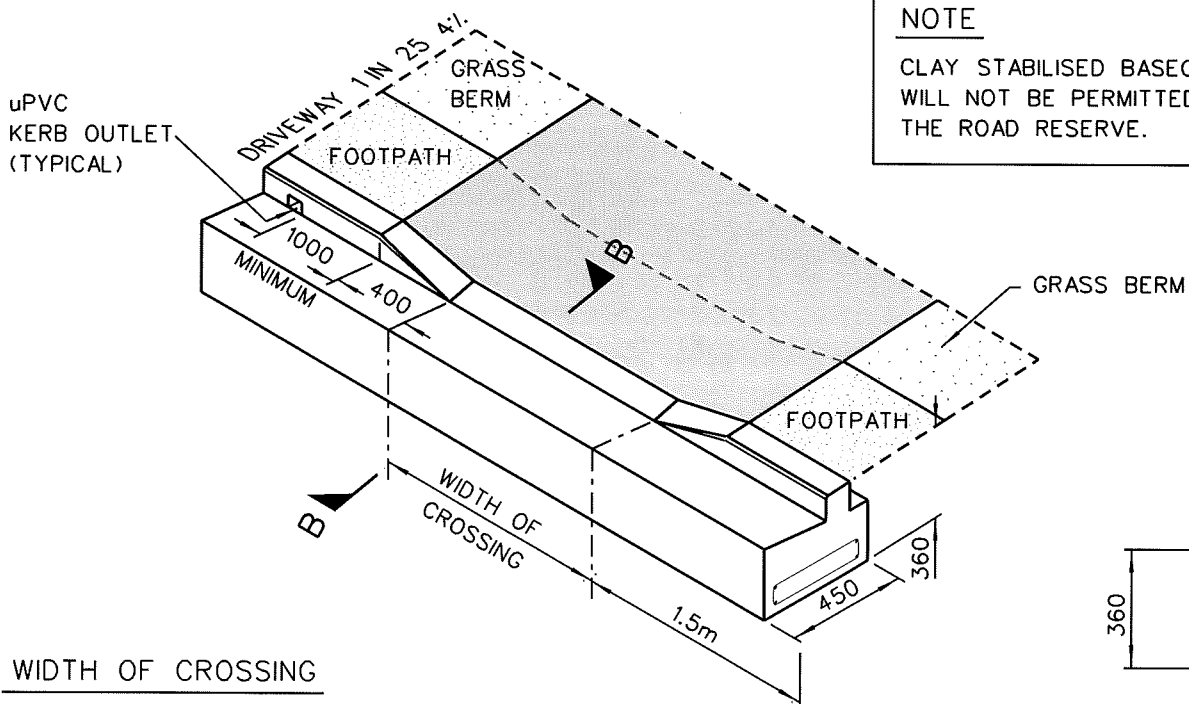
PLAN No.
600



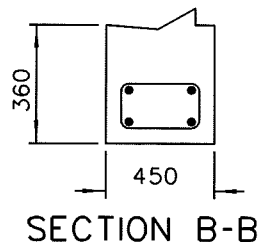
CROSS SECTION A-A



PLAN

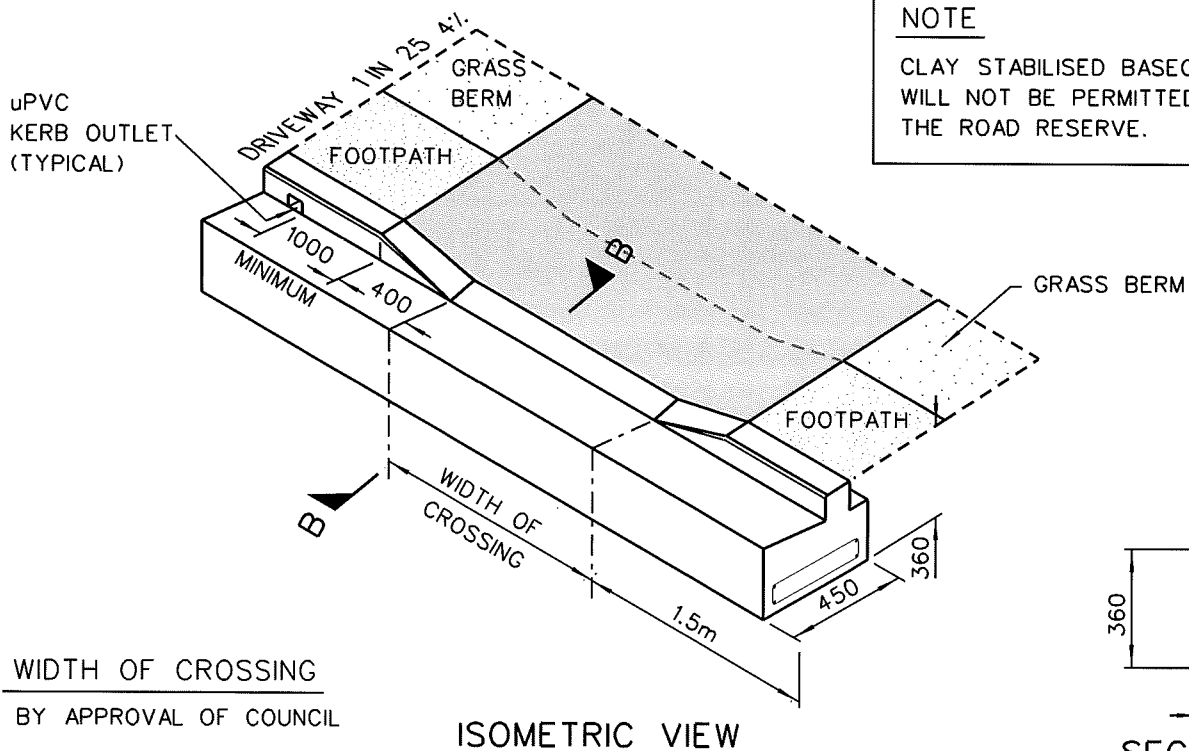
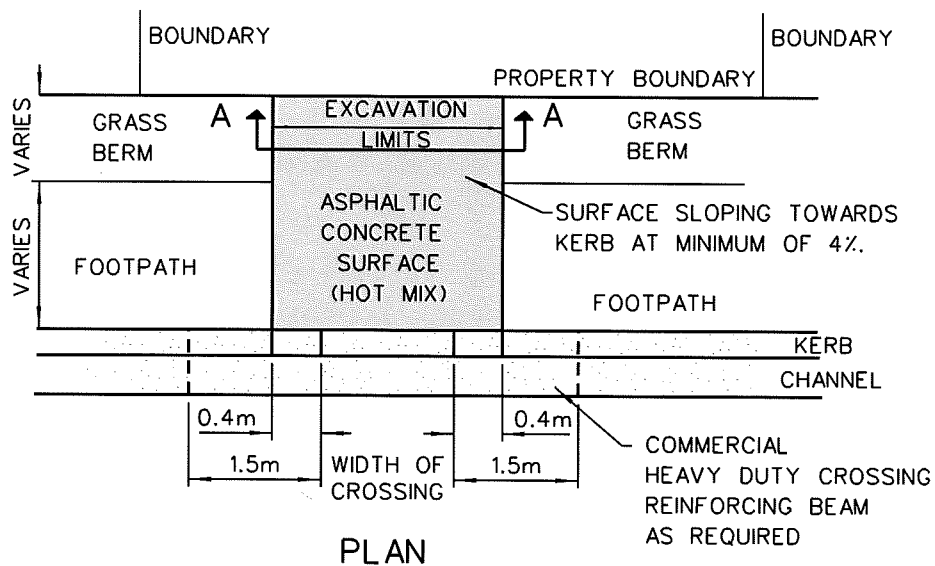
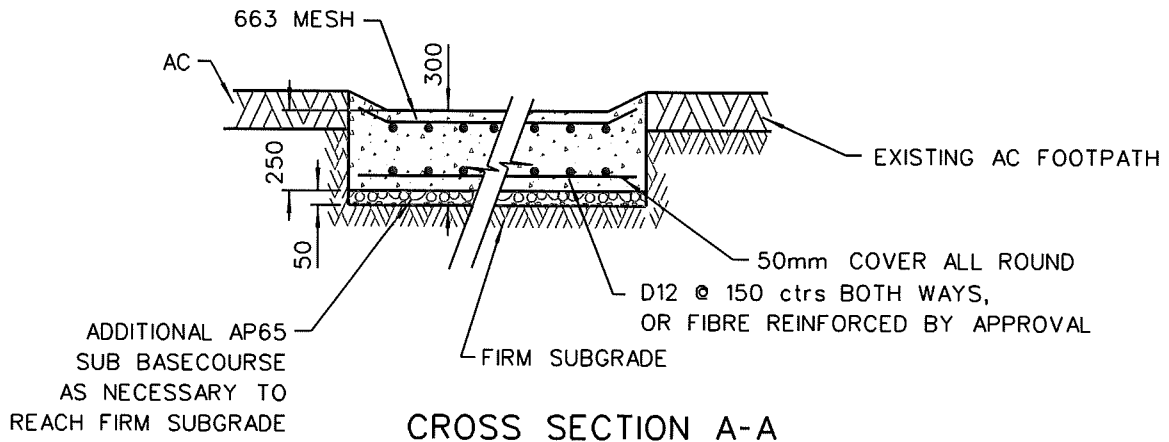


ISOMETRIC VIEW



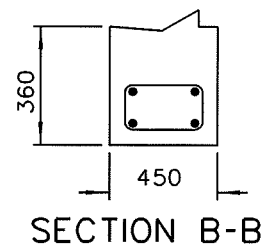
SECTION B-B

WIDTH OF CROSSING
BY APPROVAL OF COUNCIL



NOTE

CLAY STABILISED BASECOURSE
WILL NOT BE PERMITTED WITHIN
THE ROAD RESERVE.



WAIMAKARIRI
DISTRICT COUNCIL

NOT TO SCALE

DRAFT

SHEET TITLE

Pegasus Commercial
Concrete
Vehicle Crossing
(Flat Channel)

PROJECT TITLE

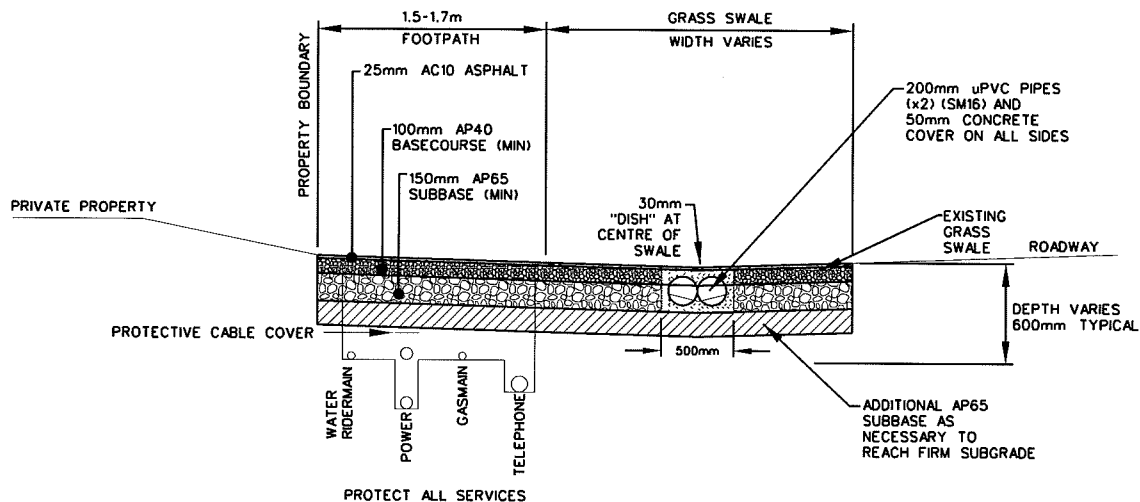
Standard Drawings

SHEET

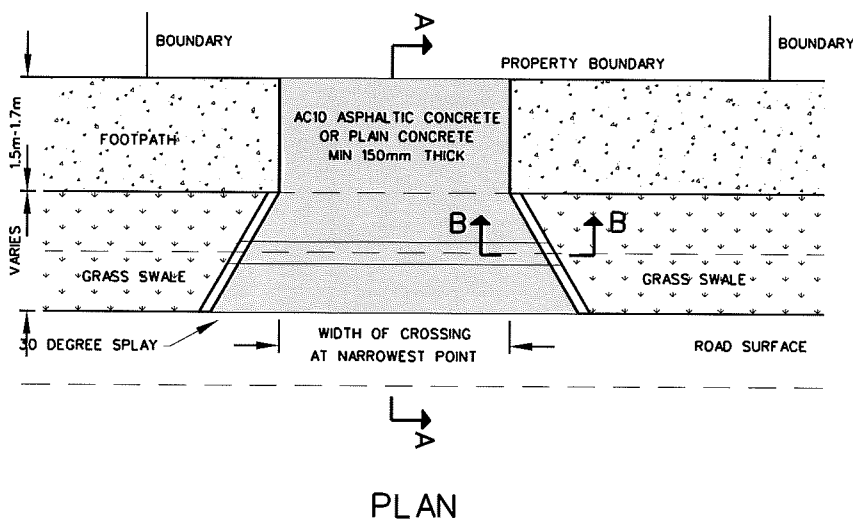
220D

ISSUE
A

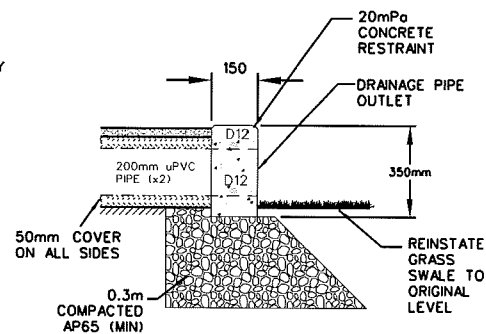
PLAN No.
600



CROSS SECTION A-A



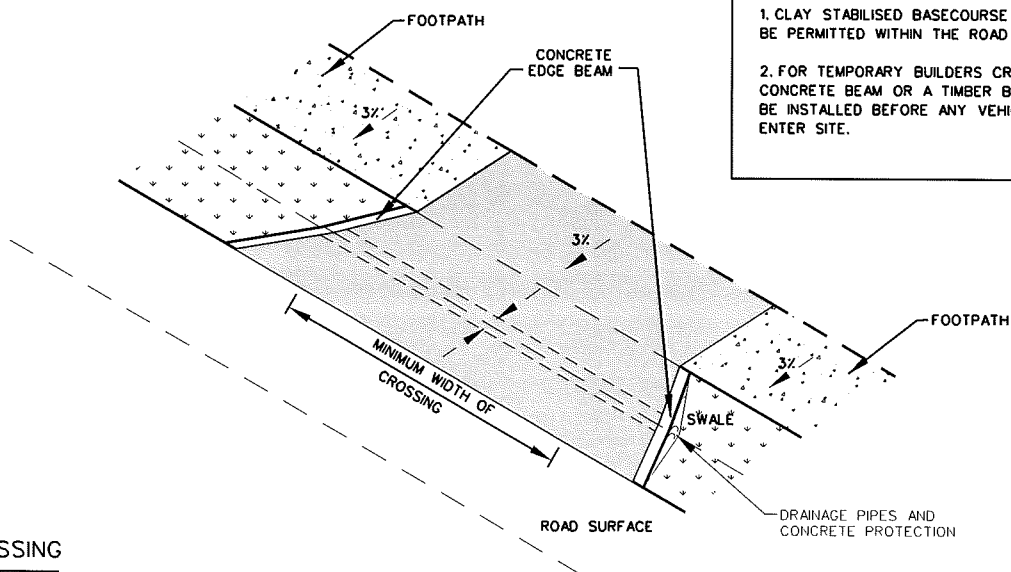
PLAN



CROSS SECTION B-B
CONCRETE EDGE BEAM

NOTE

1. CLAY STABILISED BASECOURSE WILL NOT BE PERMITTED WITHIN THE ROAD RESERVE.
2. FOR TEMPORARY BUILDERS CROSSING CONCRETE BEAM OR A TIMBER BATTEN TO BE INSTALLED BEFORE ANY VEHICLES ENTER SITE.



WIDTH OF CROSSING

4.0m MINIMUM
6.0m MAXIMUM

FOR COMMERCIAL:
BY APPROVAL

ISOMETRIC VIEW



WAIMAKARIRI
DISTRICT COUNCIL

NOT TO SCALE
DRAFT

SHEET TITLE
Mapleham
Vehicle Crossing
(With Footpath)

PROJECT TITLE

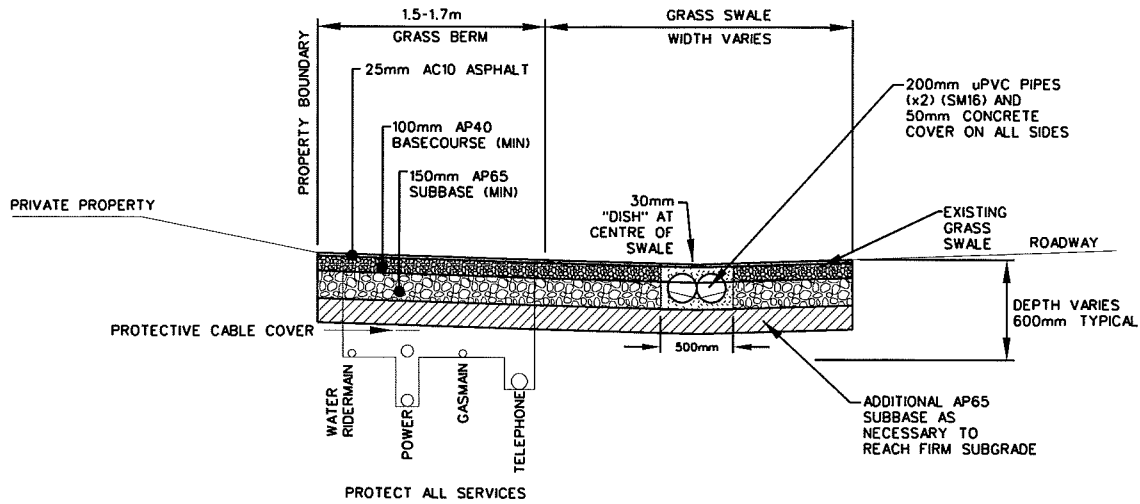
Standard
Drawings

SHEET

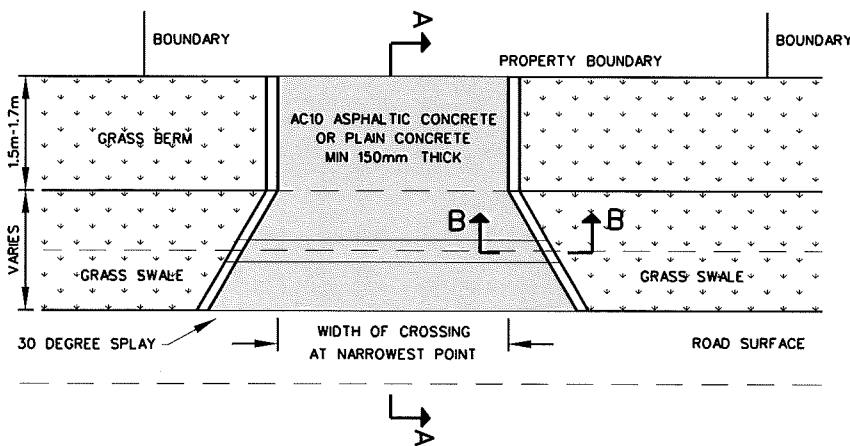
221A

ISSUE
B

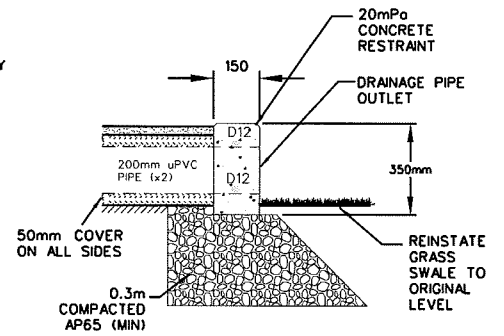
PLAN No.
600



CROSS SECTION A-A



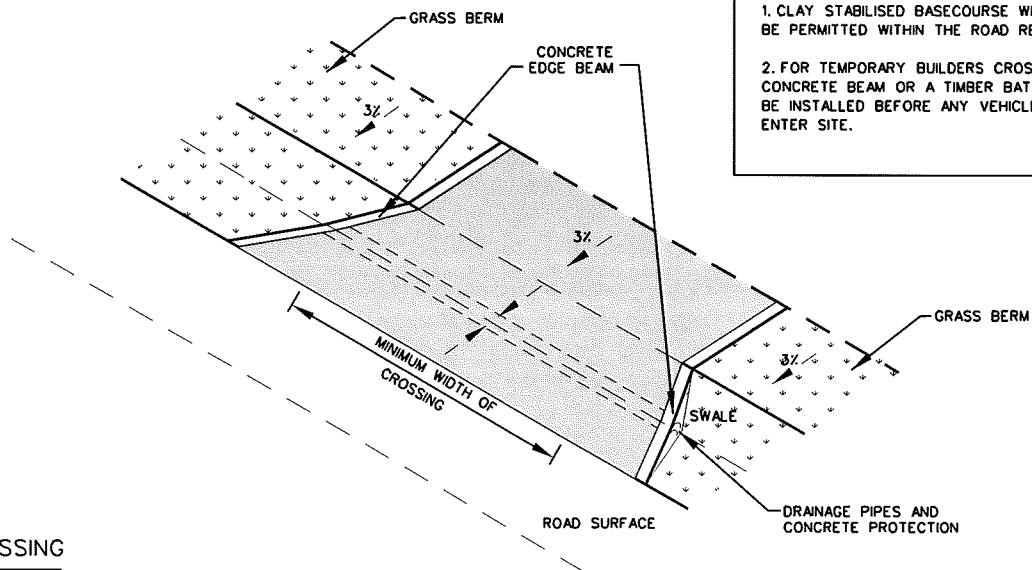
PLAN



CROSS SECTION B-B
CONCRETE EDGE BEAM

NOTE

1. CLAY STABILISED BASECOURSE WILL NOT BE PERMITTED WITHIN THE ROAD RESERVE.
2. FOR TEMPORARY BUILDERS CROSSING CONCRETE BEAM OR A TIMBER BATTEN TO BE INSTALLED BEFORE ANY VEHICLES ENTER SITE.



WIDTH OF CROSSING

4.0m MINIMUM
6.0m MAXIMUM

FOR COMMERCIAL:
BY APPROVAL
Based on CCC drawing SDXXX

ISOMETRIC VIEW



WAIMAKARIRI
DISTRICT COUNCIL

NOT TO SCALE
DRAFT

SHEET TITLE
Mapleham
Vehicle Crossing
(Without Footpath)

PROJECT TITLE
Standard
Drawings

SHEET
221B
ISSUE B
PLAN No. 600