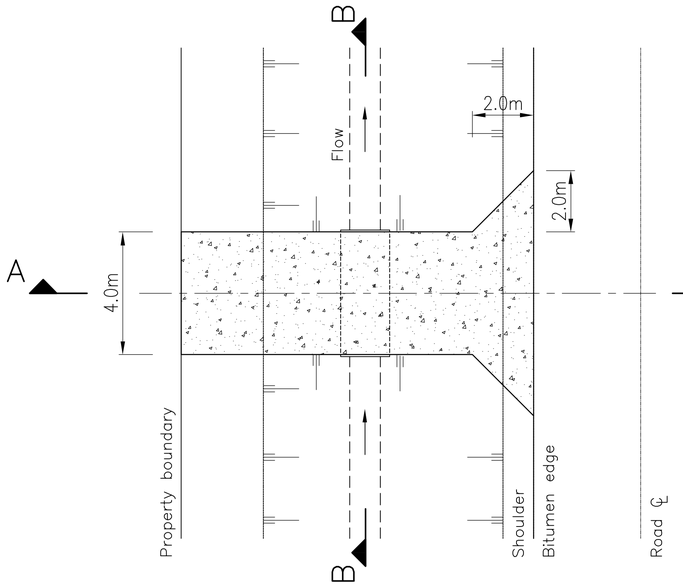
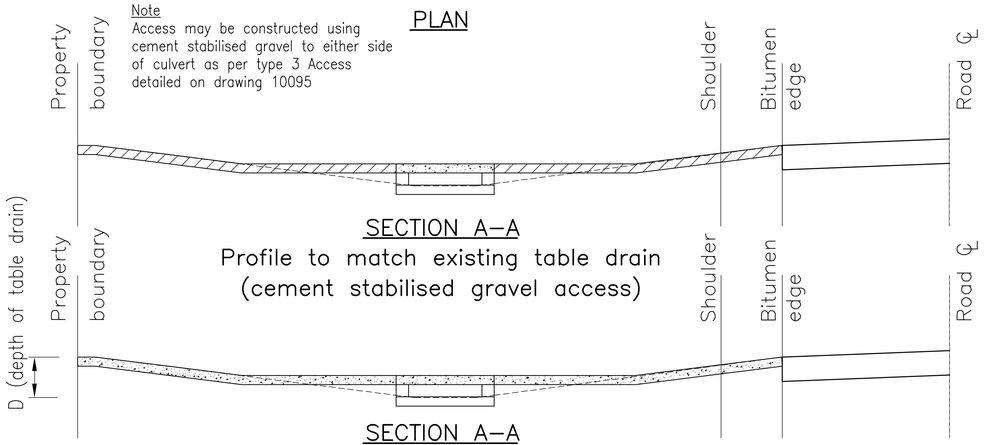


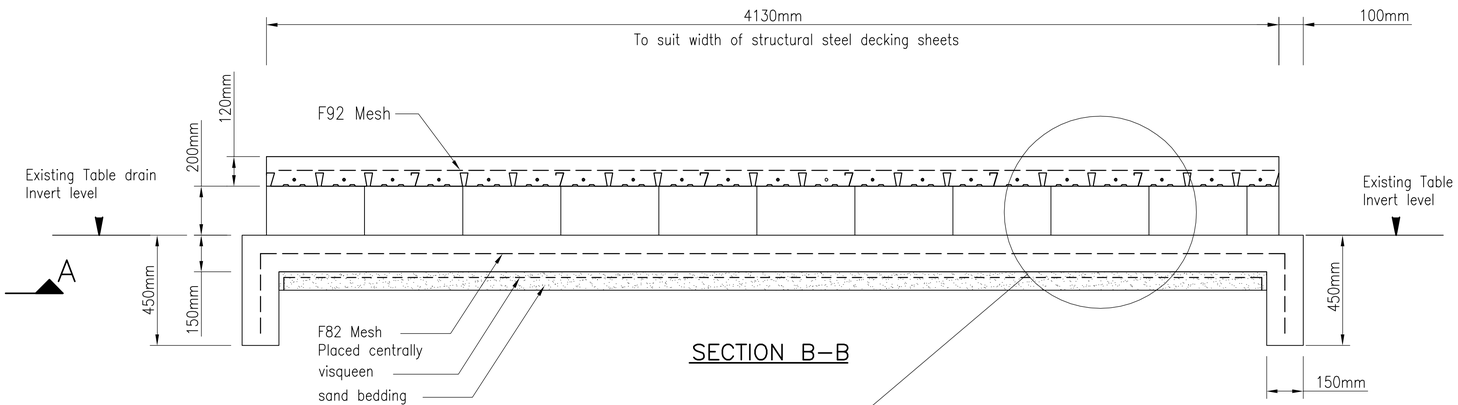
PLAN

Note
Access may be constructed using cement stabilised gravel to either side of culvert as per type 3 Access detailed on drawing 10095

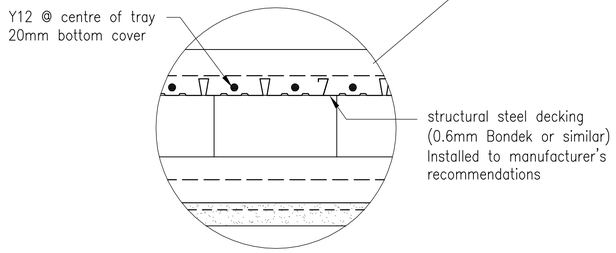


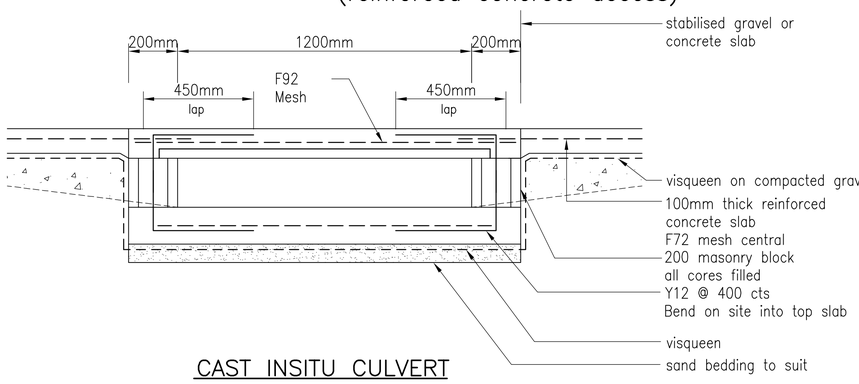
SECTION A–A
Profile to match existing table drain
(cement stabilised gravel access)

SECTION A–A
Profile to match existing table drain
(reinforced concrete access)

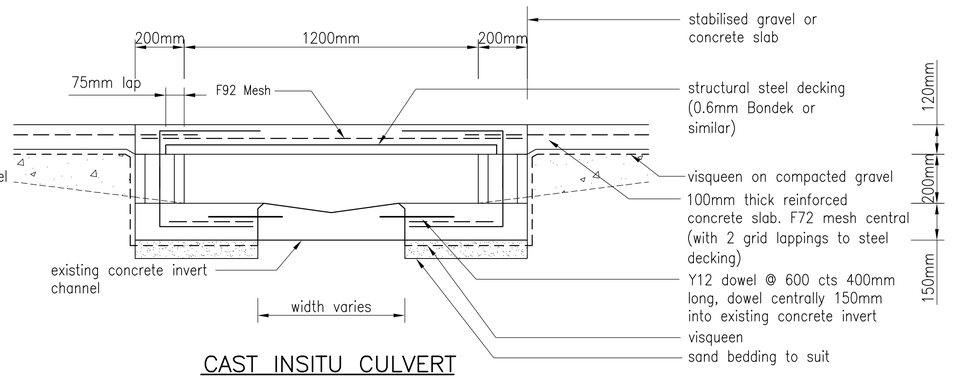


SECTION B–B





CAST INSITU CULVERT



CAST INSITU CULVERT
OVER EXISTING CONCRETE INVERT

GENERAL NOTES:

G1. The contractor shall check and shall be responsible for the correctness of all dimensions and discrepancies shall be reported immediately to the
G2. Superintendant before any work proceeds.
G3. Stability of the structure during construction shall be the responsibility of the
G4. Contractor.
Do not scale drawings.
All workmanship and all materials shall be in accordance with Standards Australia codes and government ordinances.

STRUCTURAL STEEL WORK

S1. Steelwork required dimensions and drillings shall be confirmed on site before fabrication.
S2. Structural steel decking used are to be incompliant to the relevant manufacturer's standards and to the relevant Australian Standard and general practices.

CONCRETE WORK:

C1. Concrete Proportioning and Testing to be in accordance with AS3600 – Concrete Structures Code.
C2. Concrete Quality is to be as follows:
Compressive Strength = 25MPa
Slump = 80mm
Aggregate Size = 20mm
Admixtures = Nil
C3. Concrete cover to reinforcement shall be not less than the following unless shown otherwise:

Element	Cast against forms to comply with AS1509: In sheltered locations mm	Cast against forms to comply with AS1509: Exposed to ground, weather or water mm	Cast against other formwork or the ground mm
Footings		50	65
Slabs & Walls	20	30	65

Cover is to be maintained during pouring of concrete by the use of plastic chairs, at maximum 750mm centres in each direction. For work in contact with the ground, chairs are to be supported on sheet plates.
C4. Reinforcement is to be in accordance with the latest S.A.A. specifications.
Material is indicated by the following symbols:
R Plain Bars
Y Structural Grade Deformed, Grade 400
F Fabric Grade 450
The bar size is indicated by a number after the above symbol. This number is the number of millimetres in the bar diameter. Reinforcement is represented diagramatically and is not necessarily shown in true projection.
C5. Lap bars 40 diameters at splices unless noted otherwise.
C6. Fabric is to comply with Australian Standard Code requirements and to have minimum lap splices as follows:
Square Mesh – Wire spacing x2 times for wires in each direction.
Oblong Mesh – Cross wire spacing x2 times for main wires
Main wire spacing x2 times for cross wires
C7. Welding reinforcement will not be permitted unless shown on the structural drawings.
C8. Construction joints shall be established strictly as shown on the drawings or provide saw cut joints at 3.0m max ctrs
C9. Compaction of concrete during placing shall be by mechanical vibrators. Concrete shall be placed by pump or kibble.
C10. Curing of all concrete surfaces is to be carried out immediately after finishing as per Section 4 of AS3600.

No.	DATE	DESCRIPTION	AP'D
A	21/2/2006	ORIGINAL ISSUE	

REVISIONS

NOTES :

THE CITY of THURINGOWA
86 Thuringowa Drive
Thuringowa Central, QLD, 4817
Phone : (07) 4773 8411
Fax : (07) 4773 8571
Email : council@thuringowa.qld.gov.au
Web : www.thuringowa.qld.gov.au

DRAWN: K.J.	Engineer Approved: Original signed by B.Sue	Date: 22/2/06
CHECKED: W.J.P	Director Approved:	Date:

CONSTRUCTED ACCESS TO PARK RESIDENTIAL AND RURAL PROPERTIES TYPE – 4 ACCESS WITH CULVERT CAST INSITU CULVERT ALTERNATIVE

STANDARD DRAWING
ROADWORKS
10096
A