Appendix B

Concept design
Mass planting of Cumberland Plain Woodland species

Concrete to median below bridge.

Low planting adjacent to footpath.

1:2 Landscaped embankments

Stone Pitching with material recovered from site

Naturally occurring sandstone, cut with 10° angle.

Piers.

Pedestrian Safety Fence, see Figure 22.

1:4 Landscaped embankments

Bridge Abutment Detail
4.3m LANE 1
3.2m LANE 2
3.2m FUTURE LANE 3

3.0m FUTURE RIGHT TURN LANE 1
3.2m RIGHT TURN LANE 1 (FUTURE RIGHT TURN LANE 1)
3.2m LANE 2
3.8m LANE 1
3.5m LEFT AUX. / BUS PRIORITY

7.5m ROAD CARRIAGeway WESTBOUND
8.6m INITIAL MEDIAN
13.7m ROAD CARRIAGeway EASTBOUND
3.5m SHARED
Riparian Tree planting to verges only. Refer drawings for species.

Use stone for erosion control in areas of insufficient sunlight, where planting cannot establish.

Future widening.

Riparian Ground Covers and Grasses with Macrophyte planting in water ways, extend planting under bridge in areas of sufficient sunlight.

Fig. 5(c) Schofields Road Typical Bridge Section through Riparian Zones.
PRECAST HEADWALL, WINGWALL AND APRON FOR SINGLE OR MULTIPLE CULVERTS

PIPE OR BOX CULVERT

SECTION 1

NOTE

1. FOR GENERAL NOTES REFER SHEET D005.

2. EXTENT AND SLOPE OF APRON AND BENCHING TO BE DETERMINED ON SITE TO SUIT CHANNEL DIMENSIONS.

3. THIS DETAIL MAY BE SUBSTITUTED WITH RMS STANDARD DETAIL MD.G38.A01.A.

SHALLOW DROP INLET DETAIL

PLAN

LOCAL GRADIENT AT 3:1

TYPICAL UPSTREAM CULVERT/DRAINAGE CHANNEL INTERFACE DETAIL

PLAN

TALLAWONG ROAD TO VERON ROAD

CONCEPT DESIGN

ROADS AND MARITIME SERVICES OF N.S.W.
SCOUR PROTECTION AT CHANNEL OUTLET

PLAN

SCOUR PROTECTION AT CHANNEL OUTLET

NOTE
1. FOR GENERAL NOTES REFER TO DRAWING SHEET D005.
1. **NOTES**

1. FOR GENERAL NOTES REFER SHEET D005.

2. FOR SHORT BATTER SLOPE LENGTHS ALTERNATELY USE FULL SPRAYED CONCRETE OR ROCK TREATMENT AS APPROPRIATE TO CHANNEL TYPE.

3. REFER TO RO.41, RO.42, RO.43 AND G4 PLANS FOR POSITIONS OF TABLE DRAINS.

**CLEAN WATER TRAPEZOIDAL CHANNEL AT TOE OF FILL BATTER**

(JUTE MESH LINED)

**SCALE 1:25**

- **JUTE MESH LINING TO RMS DWG. MD.G38.A03.A**
- **LOCAL TOPSOIL AND GRASS MIX (50mm - 100mm)**

**CLEAN WATER TRAPEZOIDAL CHANNEL AT TOP OF CUT BATTER**

(JUTE MESH LINED)

**SCALE 1:25**

- **JUTE MESH LINING TO RMS DWG. MD.G38.A03.A**
- **LOCAL TOPSOIL AND GRASS MIX (50mm - 120mm)**

*NOT FOR CONSTRUCTION*
DN500 TRUNK WATER MAIN MUST BE THE FIRST IN THE CONSTRUCTION SEQUENCING AND PROTECTED WHERE APPROPRIATE.

NOTES:
1. TEMPORARY DRAINAGE TO BE DESIGNED FOR CONSTRUCTION WORKS AS REQUIRED.
2113134A C013 27.04.12

C011

SCALES

0 10 20 30 40 50

LEGEND

ROAD BOUNDARY
PROPERTY IMPACT BOUNDARY
CONSTRUCTION STAGE 1
CONSTRUCTION STAGE 2
STAGE 1 AND 2 NIGHT WORK
PROPOSED COMPOUND SITE
EXISTING TRAFFIC FLOW DURING STAGE 1
TEMPORARY TRAFFIC FLOW DURING STAGE 2

KEY PLAN

PLAN
SCALE 1:1000

NOTES:
1. TEMPORARY DRAINAGE TO BE DESIGNED FOR CONSTRUCTION WORKS AS REQUIRED.
NOTES:
1. TEMPORARY DRAINAGE TO BE DESIGNED FOR CONSTRUCTION WORKS AS REQUIRED.
MINOR CULVERT CROSSING OF SCHOFIELDS ROAD 3 x 750Ø RCP CULVERT

NOTES:
1. TEMPORARY DRAINAGE TO BE DESIGNED FOR CONSTRUCTION WORKS AS REQUIRED.

CO-ORDINATE SYSTEM: MGA Zone 56A3 original

DESIGNED: KJ

ISSUED FOR 80% CONCEPT DESIGN FB 06.12.11
ISSUED FOR 100% CONCEPT DESIGN VP 15.03.12
ISSUED FOR FINAL CONCEPT DESIGN VP 27.04.12

REVIEWED: LG

BLACKTOWN CITY COUNCIL
STAGE 2 - SCHOFIELDS ROAD UPGRADE
TALLAWONG ROAD TO VERON ROAD
CONCEPT DESIGN
CONSTRUCTION STAGING LAYOUT PLAN SHEET 11 OF 17

ROADS AND MARITIME SERVICES OF N.S.W.

NOTE: This sheet may be prepared using colour and may be incomplete (copied)

No. Amendment Description Initials Date

ISSUED FOR FINAL CONCEPT DESIGN VP 27.04.12

Issued for 100% Concept Design VP 15.03.12

Issued for 80% Concept Design FB 06.12.11

ISSUED FOR 80% CONCEPT DESIGN FB 06.12.11

ISSUED FOR 100% CONCEPT DESIGN VP 15.03.12

ISSUED FOR FINAL CONCEPT DESIGN VP 27.04.12

STAGE 2 PED ACCESS ROUTE
STAGE 1 PED ACCESS ROUTE

STAGE 1 AND 2 NIGHT WORK
PROPOSED COMPOUND SITE
EXISTING TRAFFIC FLOW DURING STAGE 1
TEMPORARY TRAFFIC FLOW DURING STAGE 2

LEGEND
ROAD BOUNDARY
PROPERTY IMPACT BOUNDARY
CONSTRUCTION STAGE 1
CONSTRUCTION STAGE 2
STAGE 1 AND 2 NIGHT WORK
PROPOSED COMPOUND SITE
EXISTING TRAFFIC FLOW DURING STAGE 1
TEMPORARY TRAFFIC FLOW DURING STAGE 2

STAGE 1 PIED ACCESS ROUTE
STAGE 2 PIED ACCESS ROUTE

INDICATIVE TEMPORARY SEDIMENTATION BASIN LOCATIONS

NOT FOR CONSTRUCTION

NOT FOR CONSTRUCTION
NOT FOR CONSTRUCTION

LEGEND
- ROAD BOUNDARY
- PROPERTY IMPACT BOUNDARY
- CONSTRUCTION STAGE 1
- CONSTRUCTION STAGE 2
- STAGE 1 AND 2 NIGHT WORK
- PROPOSED COMPUND SITE
- EXISTING TRAFFIC FLOW DURING STAGE 1
- TEMPORARY TRAFFIC FLOW DURING STAGE 2
- STAGE 1 PED ACCESS ROUTE
- STAGE 2 PED ACCESS ROUTE
- INDICATIVE TEMPORARY SEDIMENTATION MAIN LOCATIONS

NOTES:
1. TEMPORARY DRAINAGE TO BE DESIGNED FOR CONSTRUCTION WORKS AS REQUIRED.
TEMPORARY ROUNDABOUT TO BE PROVIDED. THIS WILL FREE TRAFFIC ON THE EXISTING SCHOFIELDS ROAD FOR DEMOLISHION OF EXISTING PAVEMENT (TO BE MODELLED AT DETAILED DESIGN STAGE).

NOTES:
1. TEMPORARY DRAINAGE TO BE DESIGNED FOR CONSTRUCTION WORKS AS REQUIRED.
TYPICAL CROSS SECTION
SCHOFIELDS ROAD