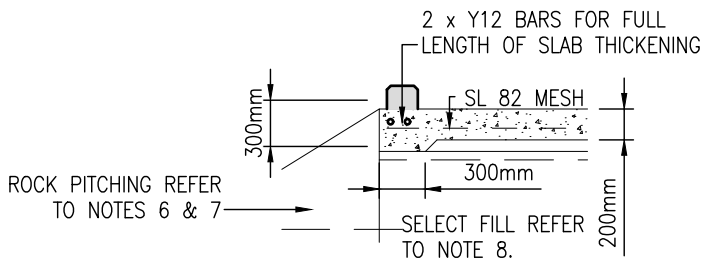
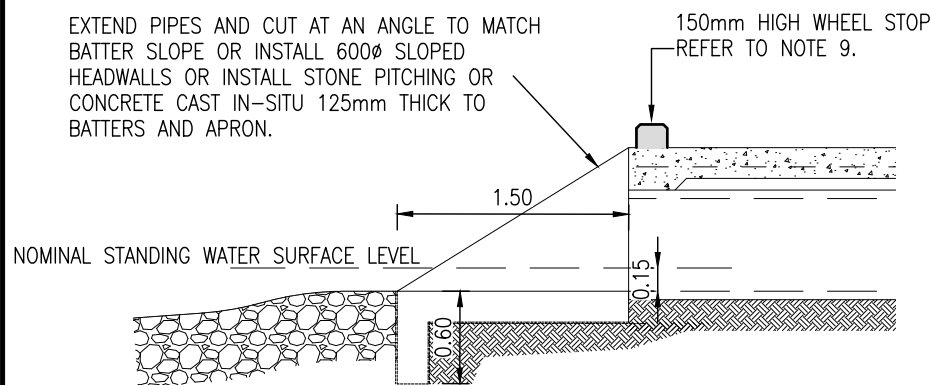


APRON DETAILS

SCALE A

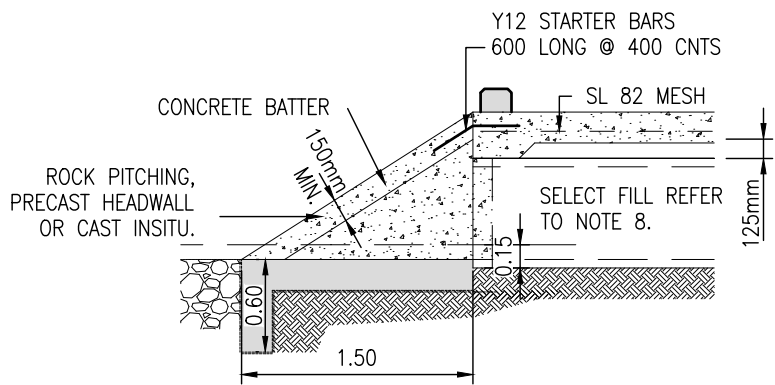


SLAB EDGE DETAIL TYPE 1



ALTERNATIVE END TREATMENT DETAILS

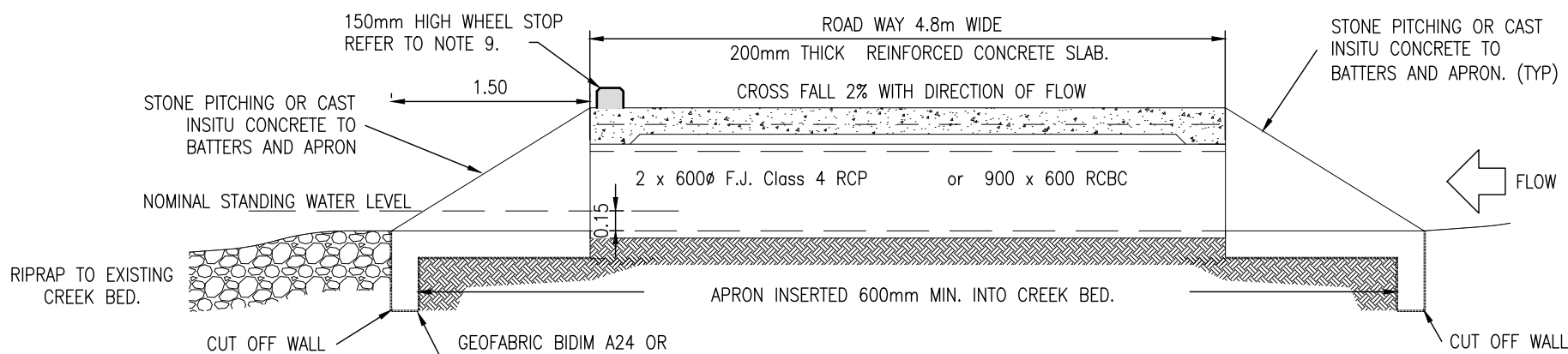
SCALE A



SLAB EDGE DETAIL TYPE 2

SCALE B

FOR LAYOUT REFER TO STD. DRG. MBRC-1109



TYPICAL CROSS SECTION

SCALE A

NOTES

- For General Arrangement of Floodway refer to MBRC – 1109.
- Road surface to causeway and approaches to be 200mm thick reinforced concrete with SL82 mesh (75mm bottom cover) with construction joints at 5m centres (max) or otherwise shown. Concrete to be N32 cured for 7 days where a side road is constructed and N50 cured for 12 hours where a side road is not constructed.
- Culvert crossing is to be reconstructed to match existing levels. Clear and shape creek bed where required.
- Riprap and rock pitching to utilise existing material on site where possible. riprap to be selected angular rocks well graded d50 300mm rocks placed 450mm deep. Area, size and location to be determined on site by the site superintendent.
- Batter treatment, culvert headwall and apron to be keyed 600mm into creek bed. Batters to be shaped to match into existing creek channel.
- Rock pitching to batters and pipe surround, shape pitching to match into creek flow channel capacity. Precast headwalls or concrete cast insitu 150mm thick (nom.) may also be used.
- Rock pitching order of works:-
 - Place geofabric and insert apron ends 600mm min. into natural material.
 - Place rock/stone on geofabric.
 - Apply concrete to rock surfaces and crevices
 - Wash latent from rock surfaces.
- Geofabric to be non woven BIDIM A24 or equivalent meeting strength and permeability requirements.
- Select fill to be (nom. Class 2.5 material) compacted to 100% standard (one (1) test each side of culvert).
- Install 150mm high wheel stops to down stream side of roadway only across causeway at 1.0m spacing.
- End Treatment options :- i) Stone Pitching. ii) Reinforced concrete 150mm thick SL82. iii) Sloped 600Ø headwalls. iv) Extend pipes and cut at an angle to match existing batter slope.

As Constructed Information			
Road Name			
Locality			
Location (complete)	Easting		
	Northing		
	Distance From Intersection		
	Chainage		
Culvert Details (Cross out not used)	2 x 600Ø RCP x _____ m		
	1 x 900 x 600 RCBC x _____ m		
Concrete Causeway Details (Length)	_____ m		
Construction Type	Stone Pitched	Yes	No
	Sprayed Concrete	Yes	No

STANDARD DRAWINGS	
Drawing No	Title
DTMR 1174	Construction of End Structures H = 150 – 600
DTMR 1305	General Arrangement and Installation of Wingwalls Headwalls and Aprons
DTMR 1316	General Arrangement and Installation of Precast Units
DTMR 1359	Culverts – Installation, Bedding and Filling/Backfilling against/over Culverts

REVISIONS	INIT	DATE
E		
D		
C		
B		
A	Review	R.H. 02/16
COUNCIL APPROVED MINUTE PAGE		

SCALES	
A	0m 0.25 0.5 0.75 1.0 1:25 AT A1 1:50 AT A3

Drawn	Date
Team Leader	Date
Coordinator	Date
AUTHORISED	
Manager Engineering	RPEQ

FLOODWAY - DETAILS
LOW VOLUME RURAL ROADS
Sheet 2 of 2



DRG No. **MBRC-1110**

ORIGINAL SIZE **A3** REVISION **A**

File name: \\User_Group\Design_Services\Projects\MBRC_Standard Drawings\MBRC_Standard Drawings AutoCAD Files\MBRC-1110.dwg Date: Feb 15, 2016 - 9:58am