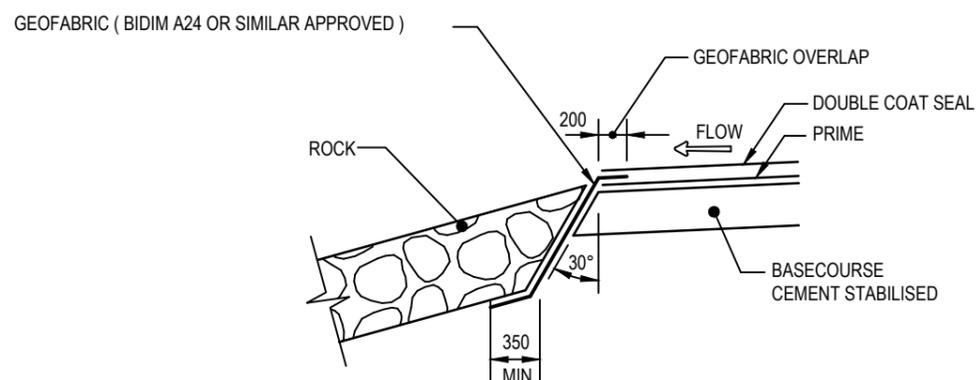


AMENDMENTS

No.	DESCRIPTION	APPROVED & DATE
3	NOTE ADDED.	T. FREEMAN
4	DOWNSTREAM CONCRETE EDGE WALL FLOODWAYS TYPE 3, 4 & 5 AMENDED,	T. FREEMAN
5	TITLE BLOCK AND FILE No. UPDATED.	A.Wong 28/11/23

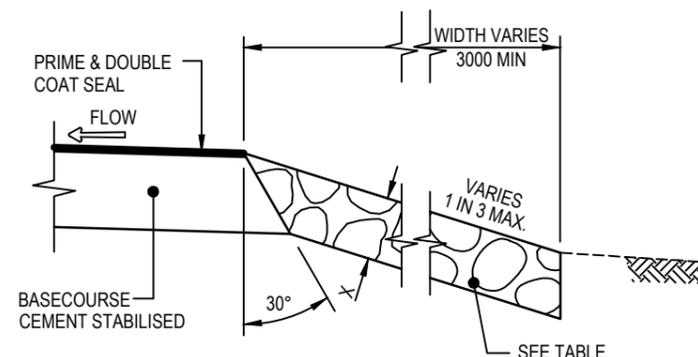
NOTES

- ALL DIMENSIONS SHALL BE SHOWN IN MILLIMETRES UNLESS OTHERWISE NOTED.
- CONCRETE USED SHALL BE CLASS N32 IN ACCORDANCE WITH MAIN ROADS SPECIFICATION 901 CONCRETE GENERAL WORKS.
- THE TOP SURFACE OF THE FLOODWAY WALL SHALL BE GIVEN A WOOD FLOAT FINISH U1 AS PER MAIN ROADS SPECIFICATION 901. CONCRETE GENERAL WORKS.
- THE TOP SURFACE OF THE FLOODWAY WALLS SHALL NOT DEVIATE NOT MORE THAN 6mm FROM A 3m STRAIGHT EDGE LAID PARALLEL TO THE LENGTH OF THE WALL AND SHALL BE SCREEDED LEVEL WITH ADJACENT BASECOURSE SURFACE TO MATCH CROSSFALL.
- THE OUTER EDGE OF THE FLOODWAY WALL SHALL BE FORMED TO A CLASS 3 FINISH IN ACCORDANCE WITH AS3610 TO A MINIMUM. DEPTH OF 150mm BELOW THE TOP OF THE WALL.
- EXPANSION JOINTS SHALL BE FORMED BY PRE-MOULDED POLYURETHANE JOINT FILLERS OF THICKNESS 6mm OR AN APPROVED EQUIVALENT OVER THE FULL CROSS SECTION AT INTERVALS OF NOT MORE THAN 9m.
- CONTRACTION JOINTS SHALL BE FORMED AT A SPACING NOT EXCEEDING 3m. THE CONTRACTION JOINTS SHALL BE FORMED BY PLACING A 10mm V-STRIP (OR SIMILAR APPROVED) TO THE FULL DEPTH OF THE WALL. ON THE TOP WALL SURFACE A GROOVING TOOL SHALL BE USED TO FORM A SMOOTH INDENTATION.
- THE OUTER TOP EDGE OF THE FLOODWAY WALL SHALL BE NO CLOSER TO THE ROAD CENTRELINE AND NO MORE THAN 50mm FURTHER FROM THE ROAD CENTRELINE THAN THE POSITIONS SHOWN ON THE DRAWINGS.
- THIS DRAWING IS REQUIRED TO BE MODIFIED TO CATER FOR SPECIFIC HYDRAULIC DESIGN CONDITIONS. THE DESIGN SHALL BE CARRIED OUT IN CONJUNCTION WITH THE ASSET OWNERS STANDARDS.
- FOR ROCK PROTECTION AROUND CULVERT WITHIN FLOODWAY REFER TO DWG NO. 9831-6066.



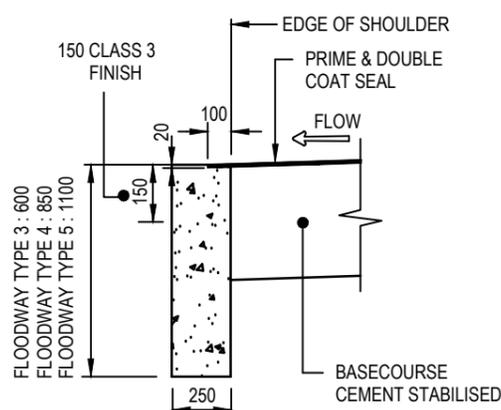
DETAIL ①

**GEOFABRIC DETAIL AT ROCK PROTECTION
FLOODWAY TYPE 2**

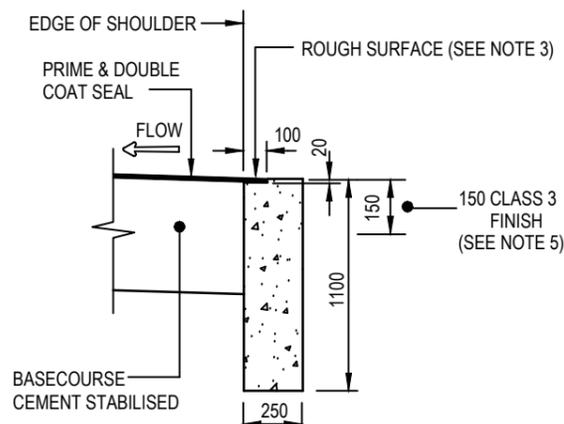


FLOODWAY UPSTREAM PROTECTION

(WHERE SPECIFIED BY DESIGN ENGINEER - FOR FLOODWAY TYPES 2, 3, & 4)



**DOWNSTREAM CONCRETE EDGE WALL DETAIL
FLOODWAYS TYPE 3, 4 & 5**



**UPSTREAM CONCRETE EDGE WALL DETAIL
FLOODWAY TYPE 5**

UPSTREAM ROCK PROTECTION		
FLOODWAY TYPE	UPSTREAM	DEPTH X
2, 3	FACING CLASS	500
4	FACING CLASS	750

5

mainroads
WESTERN AUSTRALIA

PLANNING AND TECHNICAL SERVICES DIRECTORATE
ROAD AND TRAFFIC ENGINEERING BRANCH
Waterloo Crescent EAST PERTH 6004
Telephone 138 138

DRAWN	RTE BRANCH
DESIGNED	RTE BRANCH
VERIFIED	T. FREEMAN 18.11.98
APPROVED	R. GROVE 18.11.98
FILE NO.	13/4331

GUIDELINE DRAWING
FLOODWAY TYPES 2, 3, 4 & 5
MISCELLANEOUS DETAILS

NOT TO SCALE
A 3