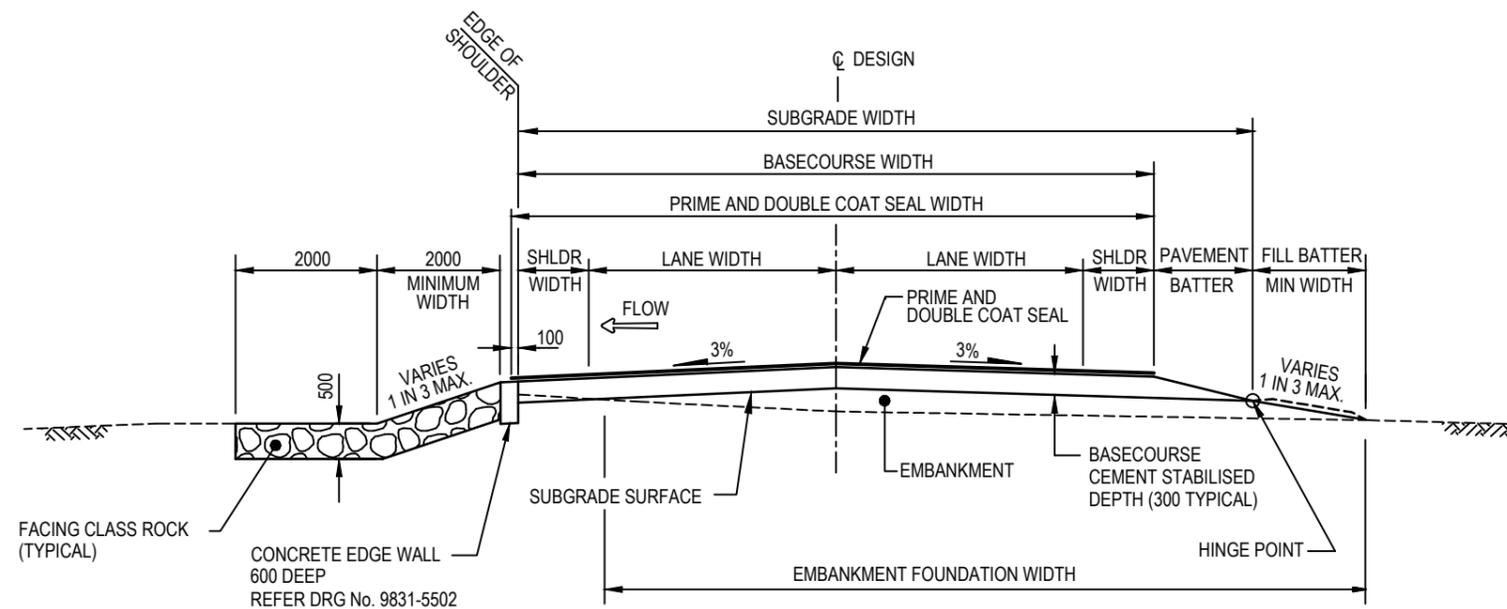


**FLOODWAY TYPE 2**

SCALE 1:100

ROCK GRADING			
ROCK CLASS	ROCK SIZE (M)	ROCK MASS* (kg)	MINIMUM PERCENTAGE OF ROCK LARGER THAN
FACING	0.40	100	0
	0.30	35	50
	0.15	2.5	90

\* ASSUMING A SPECIFIC GRAVITY OF 2.65 AND SPHERICAL SHAPE.



**FLOODWAY TYPE 3**

SCALE 1:100

AMENDMENTS		
No.	DESCRIPTION	APPROVED & DATE
3	NOTE 2 ADDED.	T. FREEMAN
4	TITLE BLOCK AND FILE No. UPDATED.	A. Wong 24/11/23

- NOTES**
- 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 WITH FLOODWAY REFER TO DWG No. 9831-6066.



**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  
TYPICAL CROSS SECTION DETAILS

MRWA DRAWING NUMBER AMENDMENT  
**9831-5500-4**

SCALES 1:100 A 3