NOTES

Batter Slopes Added

ORIGINAL ISSUE

- 1. Catch banks are required at the top of batters in accordance with standard drawing RW-4010
- 2. Where scour is present on batter, an alternative erosion prevention method is to be determined on site in consultation with Council's Engineer.
- 3. In areas to be turfed, the existing surface is to be scarified prior to the placement of turf.
- 4. Turf to be placed on 50mm depth of topsoil, fertilized and watered in.
- 5. Temporary silt fences are to be erected at swale drain outlets prior to commencement of work.
- 6. Where longitudinal grades of swale drains are in excess of 2%, dumped rock protection is to be installed at drain outlets.
- 7. Rock for rock lining shall be min. 100mm size, relatively free of sediments and preferably washed prior to placement. a rounded river rock is preferred to crushed rock.
- 8. 1200mm Concrete invert to be used where grade is in excess of 10% or where required for hydraulic capacity.
- 9. Final pavement depth to be determined from soil tests.
- 10. Pipe crossings or concrete inverts are to be provided at driveways.

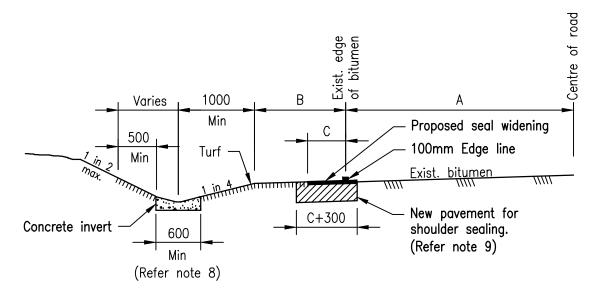
TABLE 1

(SWALE DRAIN TREATMENT SELECTION)

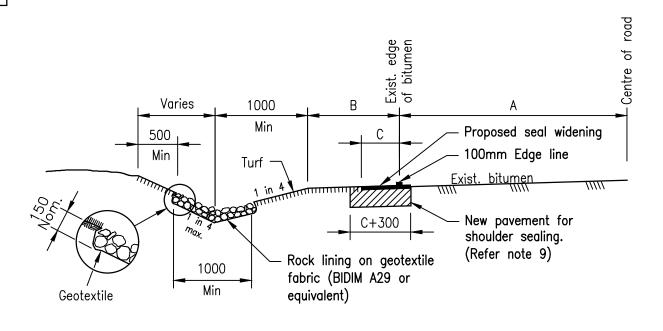
SWALE DRAIN GRADE	TREATMENT
0.4% - 2%	Concrete lined
2% - 5%	Grass lined
5% - 10%	Rock Lined
10% Or greater	Concrete Lined

TABLE 2 (TYPICAL DIMENSIONS)

ROAD CLASSIFICATION	DIMENSIONS (MIN.)		
	Α	В	С
Access Collector > Collector	3000 3500 3500	1200 1500 2000	500 1000 1500



CONCRETE LINED SWALE DRAIN



ROCK LINED SWALE DRAIN

07/16

07/16

Manager Integrated Transport Planning & Design RPEQ 6872

of 1000 500 Min Min Proposed seal widening 100mm Edge line Turf Exist. bitumen C+300 New pavement for shoulder sealing. (Refer note 9)

SCALES DATE REVISIONS Drawn Date Date Coordinator AUTHORISED SYD JERRAM Minor Changes RH 05/17 07/07/16

12/16

07/16

RH

GRASS LINED SWALE DRAIN

SWALE DRAINS

Moreton Ba **RW-4020** ORIGINAL SIZE REVISION **A**3

ROADSIDE DRAINAGE **UPGRADING OF EXISTING ROADS**