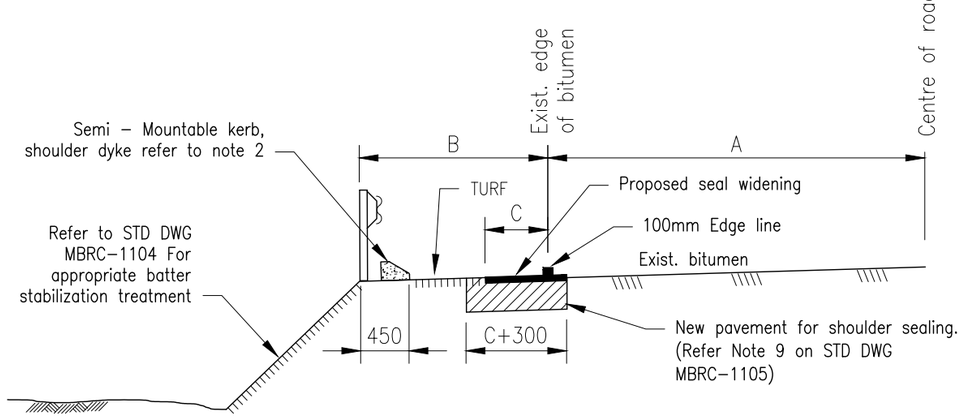
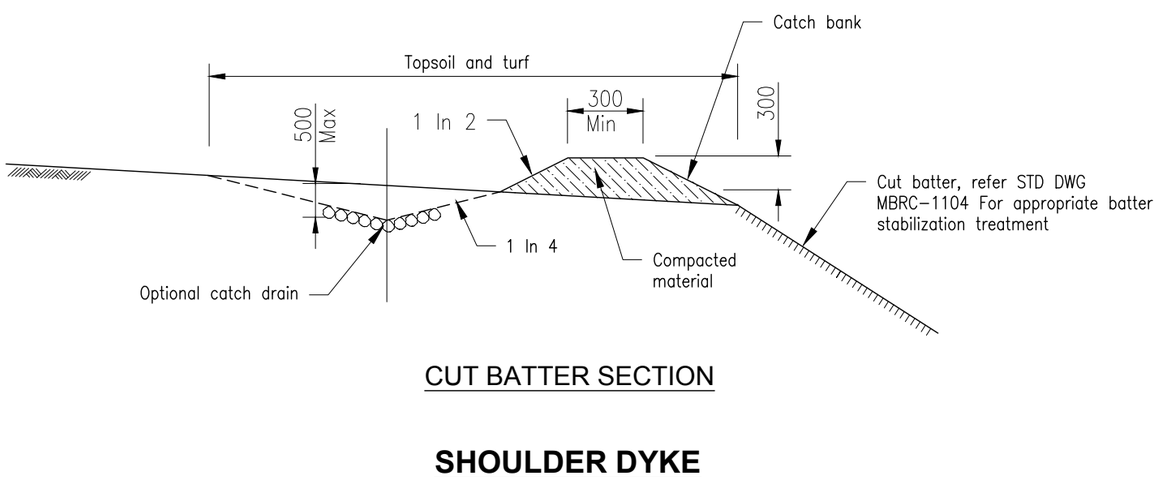
# NOTES

1. Batter drains are to be positioned adjacent to culverts and where surface flows on shoulder encroach on to the driving lane and in accordance with the 'International Erosion Control Association – Best Practise for Erosion and Sediment Control' Chapter 4.3.
2. Shoulder dyke may be omitted on superelevated curves where roadway crossfall slopes away from shoulder or where fill batter is less than 1.0m in height.
3. Catch drains are to be treated as for swale drains–refer STD DWG. MBRC–1105.
4. For dimensions A, B & C refer to Table 2 on STD DWG. MBRC–1105.
5. This dimension to be reduced to 1000 when there is no flow from this direction.
6. FInal position of batter drains and extent of shoulder dyke to be determined by Council's Engineer.



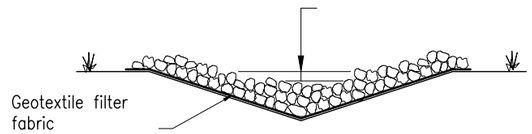

## FILL BATTER SECTION



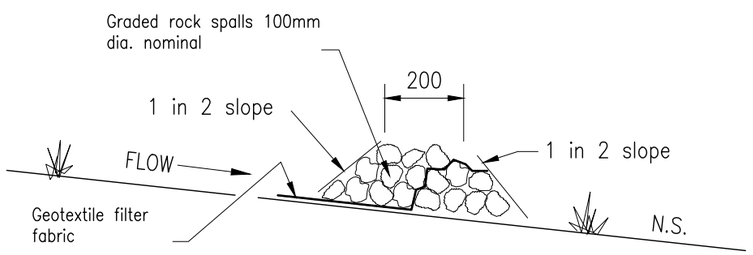

## CUT BATTER SECTION

# SHOULDER DYKE

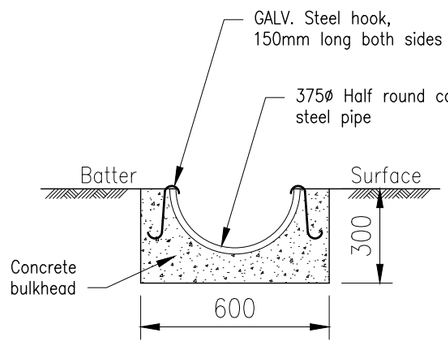
Centre of weir to be set below lowest bank of drain for overflow spill through.




## END VIEW

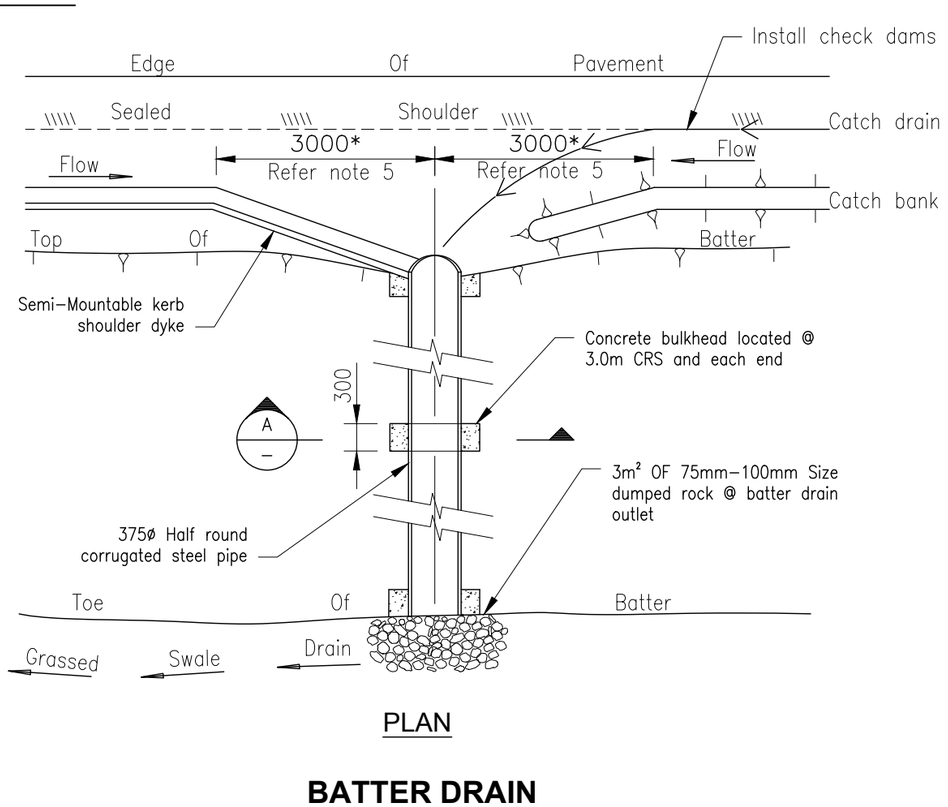



## SECTION VIEW




## SECTION A – A

# ROCK CHECK DAM




## PLAN

# BATTER DRAIN

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

SCALES

| | | | |
|---|---|---|---|
| Drawn | | Date | |
| Team Leader | | Date | |
| Coordinator | | Date | |

AUTHORISED

Manager Engineering
RPEQ

**ROADSIDE DRAINAGE**
**UPGRADING OF EXISTING ROADS**
**SHOULDER DYKES AND BATTER DRAINS**

Moreton Bay Regional Council

DRG No. **MBRC-1106**

ORIGINAL SIZE A3

REVISION A

File name: I:\User_Group\Design_Services\Projects\MBRC Standard Drawings\MBRC Standard Drawings – 2015\MBRC Standard Drawings AutoCAD Files\MBRC-1106.DWG Date: Feb 15, 2016 – 9:45am