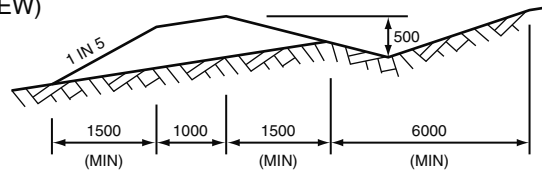


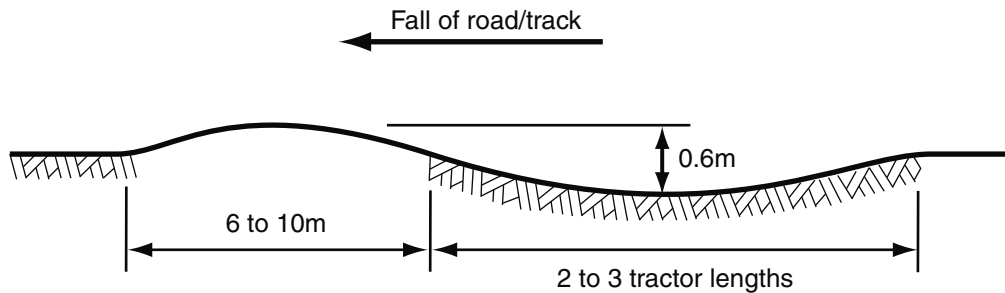
- NOTES (OUTFALL CROSS BANK):**
1. THE CROSS BANK SHOWN IS FORMED BY EXCAVATING ROAD MATERIAL UPSLOPE OF THE BANK, THUS FORMING AN UP-SLOPE CROSS DRAIN. ALTERNATIVELY THE BANK COULD BE FORMED USING IMPORTED MATERIAL.
 2. THE TABLE DRAIN UP-SLOPE OF THE CROSS BANK MUST BE FREE DRAINING.
 3. SEDIMENT DEPOSITED WITHIN THE CROSS DRAIN MUST BE REMOVED ON A REGULAR BASIS.

OUTFALL CROSS BANK (PLAN VIEW)

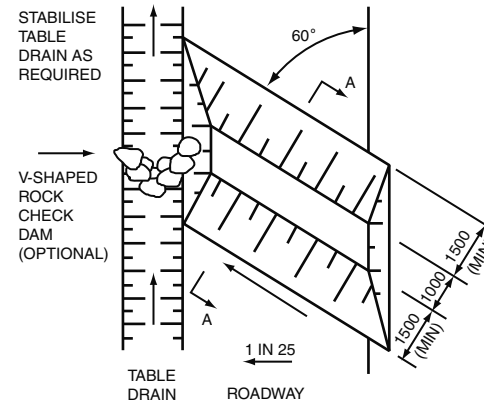


CROSS BANK PROFILE (INSITU MATERIAL)

(a) Outfall cross-bank for low speed tracks

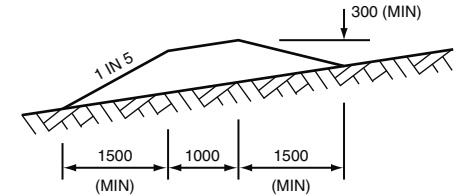


(e) Typical cross-bank profile for low speed tracks



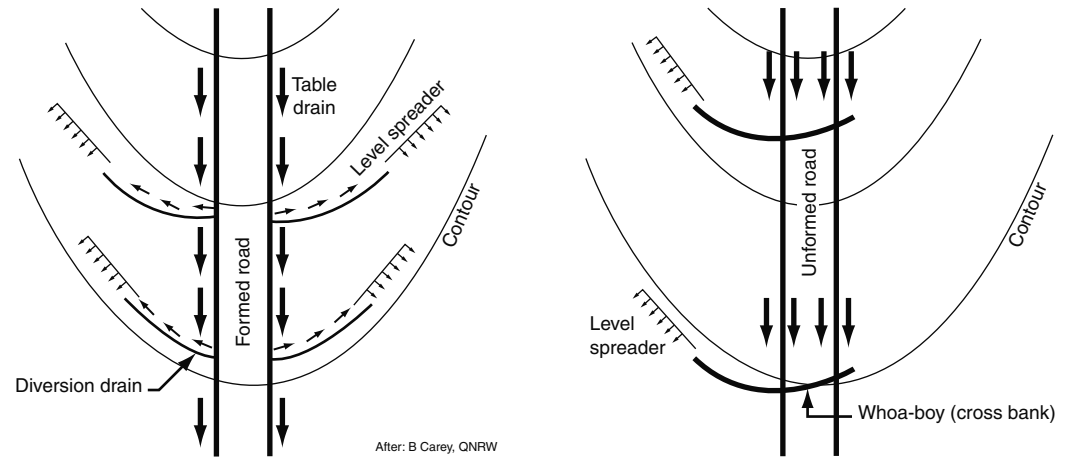
INFALL CROSS BANK (PLAN VIEW)

- NOTES (INFALL CROSS BANK):**
1. THE CROSS BANK SHOWN IS FORMED USING IMPORTED MATERIAL AND THUS DOES NOT REQUIRE ANY EXCAVATIONS INTO THE ROAD UP-SLOPE OF THE BANK. ALTERNATIVELY, THE BANK COULD BE FORMED USING INSITU MATERIAL.
 2. ROCK CHECK DAMS OR OTHER STABILISATION MEASURES PLACED IN THE TABLE DRAIN MUST NOT CAUSE PONDING ON THE ROAD.



CROSS BANK PROFILE (IMPORTED MATERIAL)

(b) Infall cross-bank for low speed tracks



(c) - (d) Drainage options for ridge tracks

General notes:

1. Drainage structures are applicable to unsealed roads and tracks.
2. Design details vary with traffic volume and speeds.

Drawn:	Date:		
GMW	Dec-09	Construction Road Drainage	CR-01