

INSTALL RUMBLE STRIPS ON SHOULDERS AND C AT EACH STAGE AS PER NORMAL PRACTICE. REFER TO CB6-3.52MI AND M4

EXCAVATE MINIMUM 0.6 m BELOW DESIGN SUBGRADE SURFACE. COMPACT EXPOSED SURFACE AND RESTORE TO GRADE WITH COMPACTED BACKFILL.

**EARTH CUT SECTION**

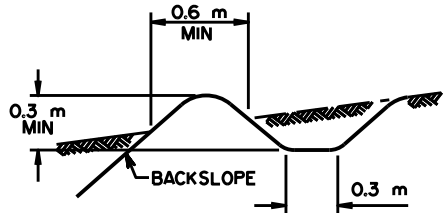
- WIDTH OF DITCH - 3.5 m STANDARD, 1.5 m MINIMUM.
- BACKSLOPE VARIABLE UP TO MAXIMUM NOTED. 1.5 m TO BE LEFT BETWEEN TOP OF BACKSLOPE AND RIGHT-OF-WAY LIMIT AS SHOWN.
- DITCH WIDTH AND ROUNDING AT TOP OF BACKSLOPE TO BE INCREASED AT BEGINNING AND END OF CUT SECTIONS FOR AESTHETICS.

**SUBGRADE AND SURFACING DIMENSIONS**

$Z = 5(T + 0.16)$

where  
 A = THICKNESS OF ACP (1st STAGE AND FINAL STAGE)  
 C = THICKNESS OF BASE  
 T = C + A  
 0.16 = ALLOWANCE FOR TWO FUTURE OVERLAYS

FINAL PAVING NORMALLY PLACED WITHIN 5 YEARS OF 1st STAGE



CATCH WATER DITCHES TO BE CONSTRUCTED WHEN NECESSARY

**FILL SECTION**

- 4:1 SLOPES FOR AVERAGE FILLS LESS THAN 4.0 m.
- 4:1 SLOPES CAN BE USED ON SHORT SECTIONS OF HIGHWAY FILL UP TO 14 m IN HEIGHT (TO ELIMINATE THE NEED FOR GUARDRAIL), PROVIDING THERE ARE NO OBSTRUCTIONS WITHIN OR NEAR THE RIGHT-OF-WAY LIMITS.
- 3:1 SLOPES MAY BE USED IN AREAS WHERE GUARDRAIL IS TO BE INSTALLED.
- THE CHOICE BETWEEN 4:1 SLOPE AND GUARDRAIL INSTALLATION ON HIGH EMBANKMENTS IS GENERALLY MADE BASED ON LIFE-CYCLE COST-EFFECTIVENESS.
- 3:1 SLOPES ARE TO BE USED ON ALL FILLS ADJACENT TO DRAINAGE STRUCTURES OVER 1200mm IN DIAMETER; CATTLE PASSES, OPEN WATER, ETC. WHERE GUARDRAIL INSTALLATION IS NECESSARY FOR HIGHWAY SAFETY.
- TRANSITION BETWEEN SLOPES SHALL BE ATTAINED BY USING UNIFORMLY VARYING SLOPES. GENERALLY THE MINIMUM LENGTH OF TRANSITION SHALL NOT BE LESS THAN 60 m.
- BERM ALSO TO BE CONSTRUCTED ADJACENT TO OPEN WATER.

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△	REDRAWN FROM JUNE 2006 VERSION RUMBLE STRIPS ADDED	PM	2017-04-12
No.	REVISIONS	BY	DATE

Approved:  
 ORIGINAL SIGNED BY DES WILLIAMSON  
 Executive Director, Technical Services Branch  
 Date: APRIL 2017

**OBSELETE**  
 March 2022  
 STANDARD CROSS-SECTION FOR RAU-210-110

Prepared By: R.T.	Checked By: BK	Scale: N.T.S.	Dwg No.: CB6-2.3M40
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