

**EARTH CUT SECTION**

- WIDTH OF DITCH - 4 m STANDARD, 1.5 m MINIMUM.
- BACKSLOPE VARIABLE UP TO MAXIMUM NOTED. 1.5m 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.

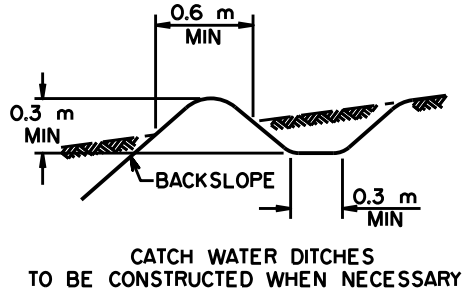
**SUBGRADE AND SURFACING DIMENSIONS**

$Z = 5(T-0.16)$

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



**FILL SECTION**

- 6:1 (FOR 120 KM/H DESIGN SPEED) OR 5:1 (FOR 110 KM/H DESIGN SPEED) SLOPES FOR AVERAGE FILLS LESS THAN 2.0 m.
- 4:1 SLOPES FOR AVERAGE FILLS UP TO 6.5 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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No.	REVISIONS	BY	DATE
Approved:			
ORIGINAL SIGNED BY DES WILLIAMSON		<i>Allen</i>	
Executive Director Technical Services Branch		transportation	
Date:	APRIL 2011		
<b>STANDARD CROSS-SECTION FOR RAU-212-120/110</b>			
Prepared By: GEC	Checked By: PM	Scale: NTS	Dwg No: CB6-2.3M54

OBSOLETE  
March, 2022