



**NOTE**

THIS DESIGNATION IS SUGGESTED FOR HIGHWAYS ON SERVICE CLASS 2 IF THEY WARRANT PAVING DUE TO SPECIAL CIRCUMSTANCES BUT HAVE AADT LESS THAN 200. A MAP OF ALBERTA'S FUNCTIONAL CLASSIFICATION SYSTEM IS INCLUDED IN CHAPTER A.

**EARTH CUT SECTION**

- WIDTH OF DITCH - 3.5 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.

**SURFACING DIMENSIONS**

$Z = 4(T + 0.16)$

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

**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 OR 2:1 SLOPES MAY BE USED UPON APPROVAL 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 30 m.
- BERM ALSO TO BE CONSTRUCTED ADJACENT TO OPEN WATER.

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

Approved:

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**STANDARD CROSS-SECTION FOR RAU-208-110/100**

Prepared By: GEC	Checked By: PM	Scale: NTS	Dwg No.: CB6-2.3M55
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