



NOTE

THIS DESIGNATION IS SUGGESTED FOR HIGHWAYS ON SERVICE CLASS 3 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.

CATCH WATER DITCHES TO BE CONSTRUCTED WHEN NECESSARY

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)
- C = THICKNESS OF BASE
- 0.16 = ALLOWANCE FOR TWO FUTURE OVERLAYS
- T = C + A

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.

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

Approved:	
ORIGINAL SIGNED BY DES WILLIAMSON	<i>Des Williamson</i>
Executive Director Technical Services Branch	Transportation
Date:	APRIL 2017

STANDARD CROSS-SECTION FOR FCU-208-110/100

OBSOLETE
March 2022

Prepared By: GEC	Checked By: PM	Scale: NTS	Dwg No.: CB6-2.3M4I
------------------	----------------	------------	---------------------