

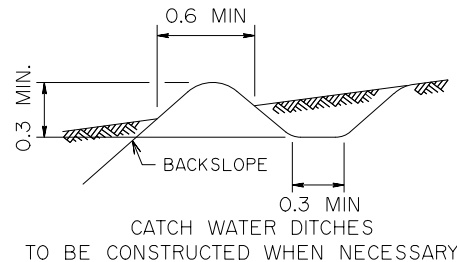
TO BE CUT AWAY PRIOR TO SURFACING. } CUT VOLUME =  
 TO BE FILLED PRIOR TO SURFACING. } FILL VOLUME ≈ 0.8m³/m

**Notes:**

1. All dimensions are expressed in metres unless otherwise noted.
2. The layout shown is based on structural depth of 600mm.
3. Similar modified subgrade cross section may be used for other design designations and structural depth.

**EARTH CUT SECTION**

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



**FILL SECTION**

**1ST STAGE GRADING**

- \* 4:1 AND 8:1 SLOPES TO BE USED AS SHOWN

**FINAL STAGE GRADING**

- \* 4:1 SLOPES FOR AVERAGE FILLS LESS THAN 4.0m.
- \* 4:1 SLOPES CAN BE USED ON SHORT SECTIONS OF HIGHWAY FILL UP TO 14m IN HEIGHT (TO ELIMINATE THE NEED FOR GUARDRAIL), PROVIDING THERE ARE NO OBSTRUCTIONS WITHIN OR NEAR THE RIGHT-OF-WAY LIMITS.
- \* 3:1 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 30m.
- \* BERM ALSO TO BE CONSTRUCTED ADJACENT TO OPEN WATER.

△			
△	Dwg dated FEB 2003 replaces dwg dated APRIL 1995	B.K.	Mar/03
No.	REVISIONS	BY	DATE

**Alberta**  
TRANSPORTATION

FIGURE  
C-8.2p

Date: FEBRUARY 2003

STANDARD CROSS-SECTION  
USING MODIFIED SUBGRADE  
FOR RAU/RCU-210-110

Prepared By: V.K.G.	Checked By: BK	Scale: N.T.S.	PAGE C-113
---------------------	----------------	---------------	------------