

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.

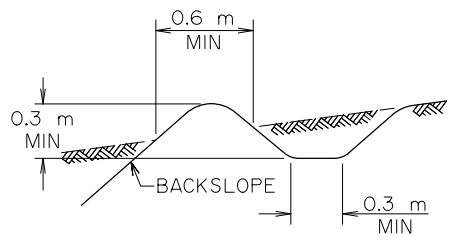
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| 2 | | | |
| 1 | REDRAWN FROM 2005 VERSION RUMBLE STRIPS ADDED | PM | 2017-04-12 |
| No. | REVISIONS | BY | DATE |

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

- * 5:1 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.

Alberta
Transportation

FIGURE C-8.2e

Date: APRIL 2017

STANDARD CROSS-SECTION FOR RAU-211-110

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| Prepared By: GEC | Checked By: PM | Scale: NTS | PAGE C- 102 |
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