



EARTH CUT SECTION

- WIDTH OF DITCH - 3.5 m STANDARD, 1.5 m MINIMUM.
- BACKSLOPE VARIABLE UP TO MAXIMUM NOTED, 1.5 m 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
 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 1200 mm 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 2005 VERSION RUMBLE STRIPS ADDED	PM	2017-04-12
No.	REVISIONS	BY	DATE

Approved:

ORIGINAL SIGNED BY DES WILLIAMSON

Executive Director
 Technical Services Branch

Date: APRIL 2017

STANDARD CROSS-SECTION FOR MA/RCU-209-110

OBSOLETE
 March 2022

Prepared By: GEC	Checked By: PM	Scale: NTS	CB6-2.3MIA
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