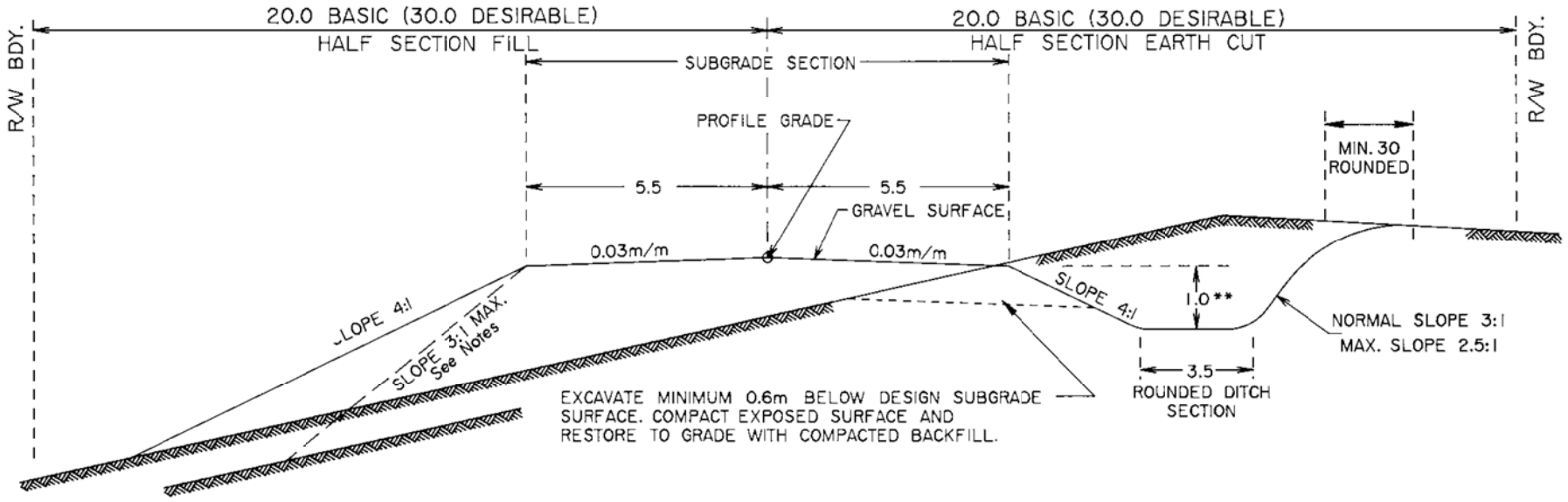
GRAPHICS FILE: cb623m44.man



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 TO BE INCREASED AT BEGINNING AND END OF CUT SECTIONS FOR AESTHETICS.

** THE BASIC DEPTH OF DITCH BELOW THE SHOULDER POINT IS SOMETIMES INCREASED UP TO 1.5m ON THIS DESIGNATION OF ROADWAY BECAUSE OF THE HEAVIER LOADS AND BECAUSE A PAVEMENT STRUCTURE WILL NOT BE BUILT.

FILL SECTION

* 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 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 30m.
* BERM ALSO TO BE CONSTRUCTED ADJACENT TO OPEN WATER.

NOTE:
- THE GEOMETRIC DESIGN STANDARDS TO BE USED ON THIS DESIGNATION ROADWAY ARE THE SAME AS THOSE RECOMMENDED FOR RCU-209-100 ROADWAYS.

No.	REVISIONS	BY	DATE
2			
1	CHANGE IN DESIGN SPEED/FILL NOTES	D.K.	06/93

Approved:

Director,
Design Engineering Branch

Date: DECEMBER 6, 198

Alberta
TRANSPORTATION AND UTILITIES
Engineering Division

OBSOLETE
March, 2022

STANDARD CROSS-SECTION FOR RCU-211L-110

(LOW VOLUME RESOURCE ROADS)

Prepared By: R.T.	Checked By: D.K.	Scale: N.T.S.	Dwg No.: CB6-2.3M44