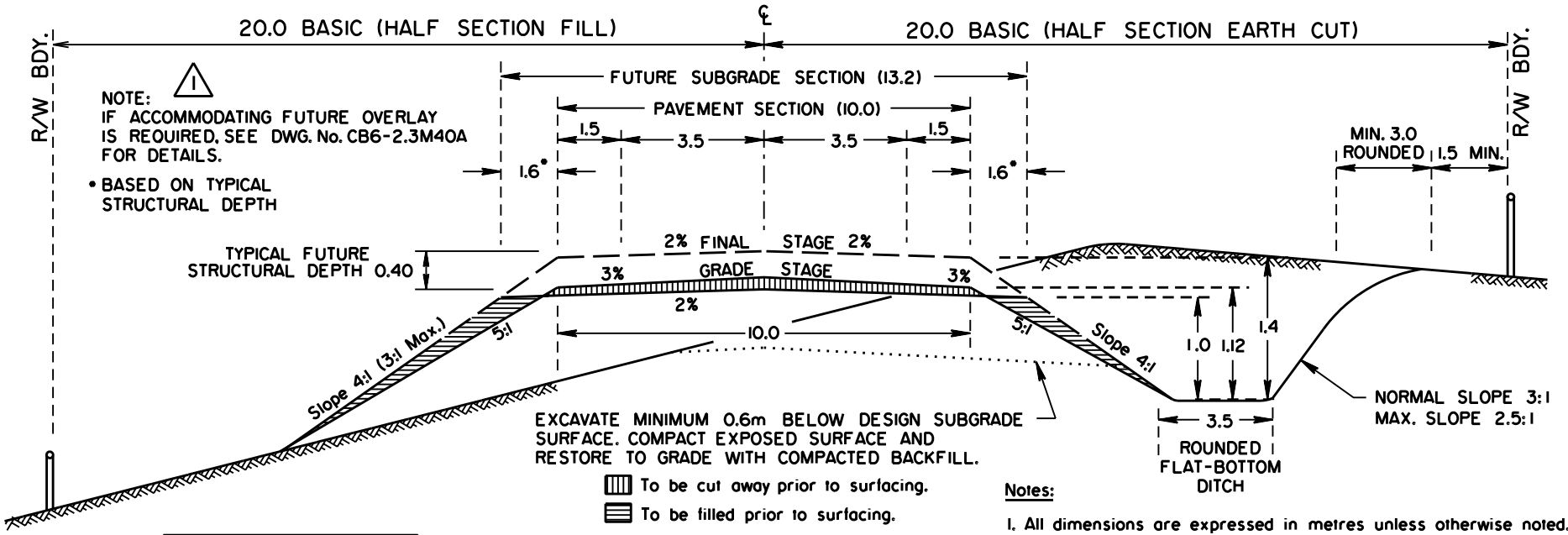
GRAPHICS FILE: cb23m40B.man



NOTE:
IF ACCOMMODATING FUTURE OVERLAY IS REQUIRED, SEE DWG. No. CB6-2.3M40A FOR DETAILS.

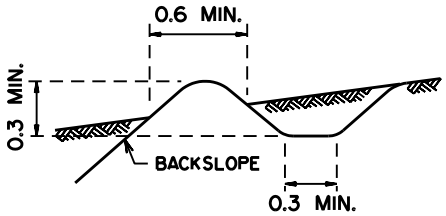
• BASED ON TYPICAL STRUCTURAL DEPTH

Notes:

1. All dimensions are expressed in metres unless otherwise noted.
2. Final sideslope on grade and pavement is dependent on structural depth but will be close to 4:1.

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.



CATCH WATER DITCHES TO BE CONSTRUCTED WHEN NECESSARY

FILL SECTION

GRADE STAGE
- 5:1 SLOPES TO BE USED FOR THE FIRST 1.0 m. STEEPER SLOPES MAY USED USED THEREAFTER AS PER FINAL STAGE REQUIREMENTS.

FINAL STAGE
- 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.

No.	REVISIONS	BY	DATE
2	PLAN WAS RENAMED FROM CB6-2.3M48	TDN	04/98
1	ADDED NOTE FOR FUTURE OVERLAY	B.K.	10/97

Approved:

ORIGINAL SIGNED BY ALLAN KWAN

Executive Director
Technical Standards Branch

Date: JULY 1993

Alberta TRANSPORTATION AND UTILITIES

SUPERSEDED

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

(USE WHERE SURFACING WILL BE DELAYED FOR AT LEAST 3 YEARS)

Prepared By: R.T.	Checked By: B.K.	Scale: N.T.S.	Dwg No: CB6-2.3M40B