



SELECTION OF SLOPE RATIO FOR SLOPED END SECTION:

A 4 : 1 SLOPED END SECTION SHALL BE USED IN CONJUNCTION WITH ALL SUBGRADE SIDE SLOPES WITH THE EXCEPTION OF 1200mm DIA. AND LARGER WHERE APPLICABLE.

DETERMINING INSTALLATION LENGTH

- THE LENGTH OF PIPE CULVERT TO BE INSTALLED SHALL BE DETERMINED AS FOLLOWS:
- 1) ESTABLISH THE THEORETICAL LENGTH BASED ON SLOPE STAKE REQUIREMENTS.
 - 2) ADJUST THE THEORETICAL LENGTH BY APPLYING THE END CORRECTION "N" AS DETERMINED FROM THE TABLE TO EACH END OF THE CULVERT.
 - 3) INSTALLATION LENGTH SHALL BE THE LENGTH DETERMINED IN "2" ABOVE, ROUNDED OFF TO THE NEAREST METRE.

C.S.P. DIAMETER - D mm	SLOPE RATIO OF CULVERT END X:Y	"N" - m				INVERT LENGTH OF SLOPE END SEC. METRE
		WITH 3:1 SUBGRADE SLOPE RATIO	WITH 4:1 SUBGRADE SLOPE RATIO	WITH 5:1 SUBGRADE SLOPE RATIO	WITH 6:1 SUBGRADE SLOPE RATIO	
400	4 : 1	0.3	0.5	0.8	1.2	6.0
500	4 : 1	0.3	0.6	0.9	1.5	6.0
600	4 : 1	0.3	0.6	1.0	1.6	6.0
700	4 : 1	0.3	0.8	1.2	2.0	6.0
800	4 : 1	0.4	0.9	1.4	2.3	6.0
900	4 : 1	0.5	1.0	1.6	2.5	6.0
1000	4 : 1	0.5	1.2	1.8	2.8	6.0
1200	3 : 1	0.9	1.7	2.4	3.7	6.0
	4 : 1	0.6	1.4	2.2	3.5	
1400	3 : 1	1.0	1.9	2.8	4.3	6.0
	4 : 1	0.6	1.6	2.5	3.9	

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No.	REVISIONS	BY	DATE

Approved:
ORIGINAL SIGNED
BY PETER TAJCNER

Director,
Design Engineering Branch

Date: FEBRUARY 2 19 2

Alberta
TRANSPORTATION
AND UTILITIES

OBSOLETE
March 2022

SLOPED END INSTALLATIONS FOR ROUND SECTION CORRUGATED STEEL PIPE

Prepared By: B.R.	Checked By: BK	Scale: N.T.S.	Dwg No.: CB6-2.4M7
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