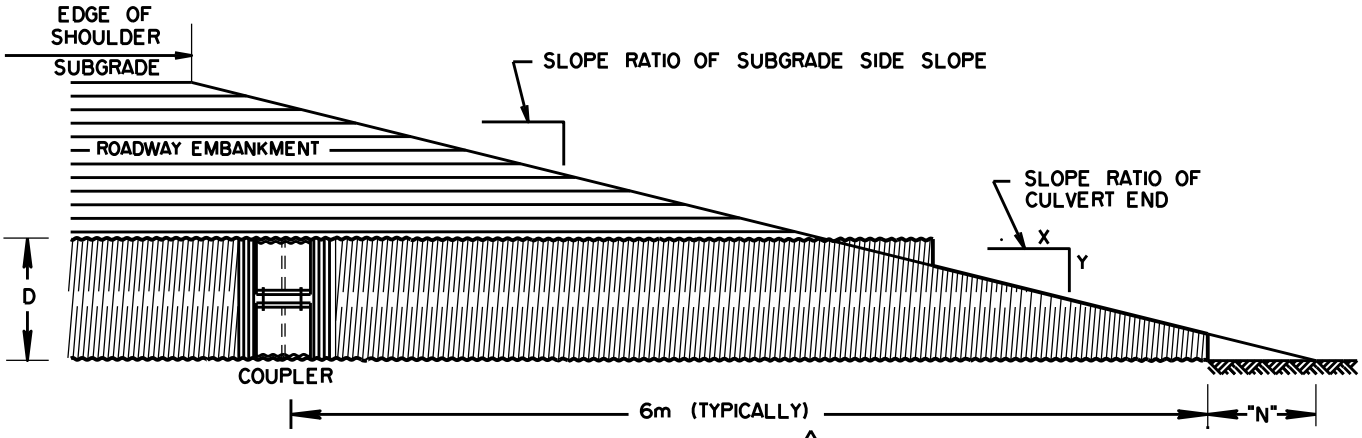

SECTION

ARCH DIMENSIONS		SLOPE RATIO OF CULVERT END X : Y	"N" - METRE					INVERT LENGTH OF SLOPE END SEC. METRE
SPAN mm	RISE mm		WITH 3 : 1 SUBGRADE SLOPE RATIO	WITH 4 : 1 SUBGRADE SLOPE RATIO	WITH 5 : 1 SUBGRADE SLOPE RATIO	WITH 6 : 1 SUBGRADE SLOPE RATIO	WITH 8 : 1 SUBGRADE SLOPE RATIO	
450	340	4 : 1	0.0	0.3	0.6	-	-	6.0
		5 : 1	-	0.1	0.4	0.6	1.2	6.0
560	420	4 : 1	0.0	0.4	0.7	-	-	6.0
		5 : 1	-	0.1	0.5	0.9	1.6	6.0
680	500	4 : 1	0.0	0.4	0.9	-	-	6.0
		5 : 1	-	0.2	0.6	1.1	2.0	6.0
800	580	4 : 1	0.0	0.5	1.0	-	-	6.0
		5 : 1	-	0.2	0.6	1.2	2.1	6.0
910	660	4 : 1	0.0	0.5	1.2	-	-	6.0
		5 : 1	-	0.2	0.8	1.5	2.3	6.0
1030	740	4 : 1	0.0	0.5	1.3	-	-	6.0
		5 : 1	-	0.2	0.8	1.5	2.5	6.0
1150	820	4 : 1	0.0	0.6	1.4	-	-	6.0
		5 : 1	-	0.3	0.8	1.5	3.0	6.0
1390	970	4 : 1	0.0	0.6	1.5	-	-	6.0
		5 : 1	-	0.1	0.8	1.6	3.0	6.0
1630	1120	4 : 1	0.0	0.7	1.5	-	-	6.0
		5 : 1	-	0.1	1.1	2.2	3.7	6.0

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. WHERE NO SPECIAL TREATMENT IS REQUIRED, CULVERT INVERT ELEVATIONS ARE TYPCIALLY SET AT 0.15 X DIAMETER BELOW THE DRAINAGE COURSE LEVEL.

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.

SELECTION OF SLOPE RATIO FOR SLOPED END SECTION:

1.) A 4 : 1 SLOPED END SECTION SHALL BE USED IN CONJUNCTION WITH SUBGRADE SIDE SLOPES OF 3 : 1 TO 5 : 1.

2.) A 5 : 1 SLOPED END SECTION SHALL BE USED IN CONJUNCTION WITH SUBGRADE SIDE SLOPES OF 5 : 1 TO 8 : 1.

No.	REVISIONS	BY	DATE
2	.	.	.
1	Note and Sloped End Section	.	Apr. 95

Approved:

ORIGINAL APPROVED BY ALBERTA TRANSPORTATION ENGINEERING DIVISION (1984)

Date: OCTOBER 1984

Alberta
INFRASTRUCTURE AND TRANSPORTATION

OBSOLETE March, 2022

ARCHED CORRUGATED STEEL PIPE SLOPED END INSTALLATIONS

Prepared By: L.T.	Checked By: B.K.	Scale: N.T.S.	Dwg No.: CB6-5.15M9