



Diameter of Pipe of equal Periphery in inches	Span in inches	Rise in inches	Minimum Gauge of Arch Pipe	"T" in inches	"B" in inches	Area in Sq. ft.
66	79	49	8	35- ³ / ₄	13- ¹ / ₄	21.3
72	85	54	8	39- ¹ / ₂	14- ¹ / ₂	25.3

SLOPED END SECTION

Span in inches	Rise in inches	Slope Ratio X:Y	"C1" in inches	"C2" in inches	"A" in feet	"B1" in feet	Invert length of sloped end section, "L" feet
79	49	2:1	12	12	12	4	16
85	54	2:1	15	15	12	4	16

NOTE:

- The dimensions "T" and "B" shall be measured vertically from a horizontal line drawn across the widest portion of the arch.
- The minimum radius of curvature of any part of the pipe-arch section shall be: Not less than the specified dimension "B" minus 2 inches for pipe arches 43" x 27" to 85" x 54" inclusive.
- To permit the use of manufacturer's standard jigs and templates in the fabrication of pipe-arches, a tolerance of plus or minus 1 inch in the dimensions will be permissible, providing the minimum radius of curvature as specified above is not affected.

PROVINCE OF ALBERTA
DEPARTMENT OF HIGHWAYS
BRIDGE BRANCH

DIMENSIONAL DETAILS
FOR
C.I.P. ARCH CULVERTS

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