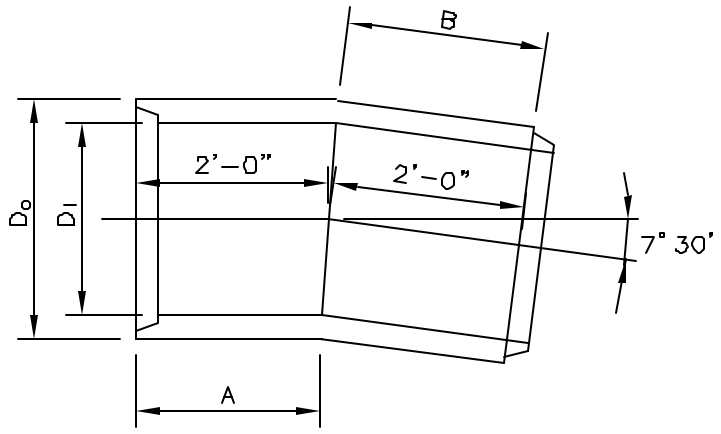
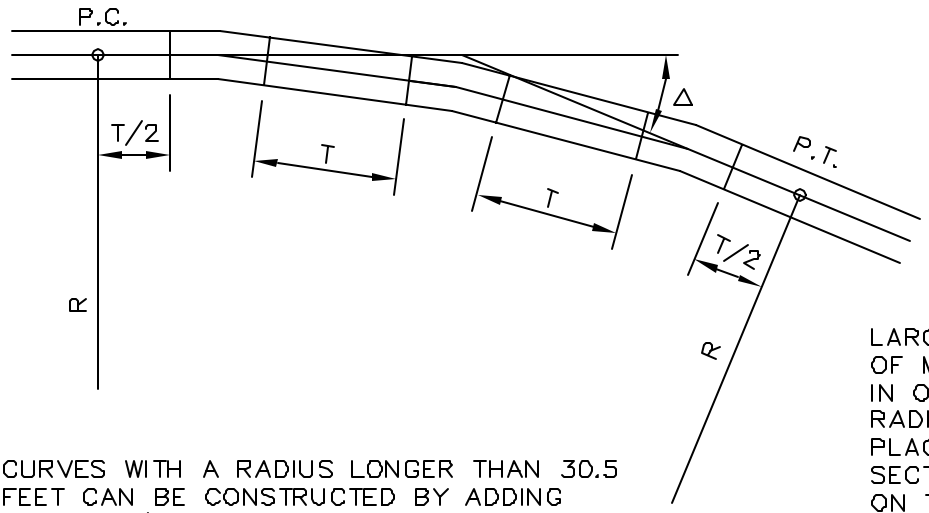


STANDARD 7° 30' BEND

NOTES

1) WHEN LAID END TO END, STANDARD 7° 30' BENDS RESULT IN A CURVE WITH A ℄ RADIUS OF 30.5 FEET.
2) BENDS ARE AVAILABLE IN NOMINAL SIZES FROM 12" TO 72" IN DIAMETER.
3) JOINTS CAN BE EITHER STANDARD OR GASKETED ("O" RING).
4) FOR STANDARD 7° 30' BENDS
   $A = 2 - 0.0328 \times D_o$
   $B = 2 + 0.0328 \times D_o$
   WHERE:
   D_o = OUTSIDE DIA. OF PIPE
   A, B & D_o ARE IN FEET



CURVES WITH A RADIUS LONGER THAN 30.5 FEET CAN BE CONSTRUCTED BY ADDING STRAIGHT/TANGENT SECTIONS AS SHOWN ABOVE. THE RESULTANT RADIUS OF THE BEND SECTIONS IS COMPUTED AS FOLLOWS:

$R = 7.63 \times (T + 4)$

WHERE: T = LENGTH OF TANGENT SECTIONS

THE NUMBER OF BENDS REQ'D = Δ/7° 30'

TABLE OF ℄ RADIUS FOR VARIOUS TANGENT LENGTHS

	TANGENT SECTION LENGTH						
	0	2	4	6	8	10	12
RADIUS	30.5	45.8	61.0	76.3	91.6	106.8	122.1

LARGER BENDS MAY BE USED IN LIEU OF MUTIPLE 7° 30' BEND SECTIONS. IN ORDER TO MAINTAIN THE 30.5 FT. RADIUS, TANGENT SECTIONS MUST BE PLACED BETWEEN/WITH THE BEND SECTIONS AS SHOW IN THE DRAWING ON THE LEFT. IF ONLY ONE BEND SECTION IS USED, ONE HALF OF "T" SHOULD BE PLACED AT EACH END OF THE BEND. THE LENGTHS OF THE REQUIRED TANGENT SECTIONS ARE AS FOLLOWS:

BEND ANGLE	LENGTH OF TANGENT SECTION(S)
15°	4.0 FT.
22.5°	8.1 FT.
30°	12.3 FT.
37.5°	16.7 FT.
45°	21.3 FT.

LONG RADIUS BENDS