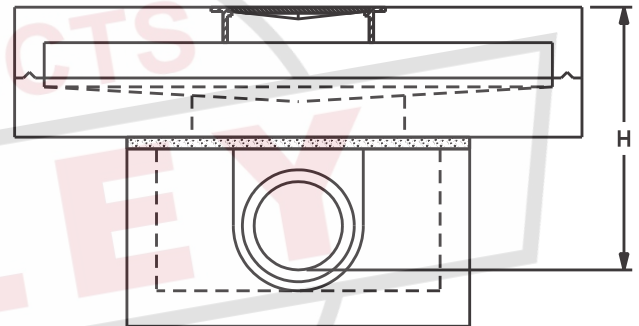


PIPE SIZE	(D) LOWER PORTION INLET DIAMETER **	(T) WALL THICKNESS CONCRETE	(H) MINIMUM DEPTH
12"	4'	5"	3.25'
15"	4'	5"	3.5'
18"	4'	5"	4.0'
21"	4'	5"	4.25'
24"	4'	5"	4.5'
30"	4'	5"	5.0'
36"	5'	6"	6.5'
42"	6'	7"	6.75'
48"	6'	7"	7.25'
54"	7'	8"	8.0'
60"	8'	9"	8.5'
SPAN/RISE			
23"x14"	4'	5"	3.75'
30"x19"	4'	5"	4.0'
38"x24"	5'	6"	5.25'
45"x29"	6'	7"	5.75'
53"x34"	7'	8"	6.25'
60"x38"	8'	9"	7.25'

** DIAMETER OF LOWER PORTION SHALL MEET MINIMUM DIAMETER (D) AS LISTED ABOVE. DIAMETER IS BASED ON PROPOSED PIPE SIZE. A PRECAST TRANSITION SLAB WILL BE UTILIZED TO ACCOMODATE THE USE OF THE TOP PORTION AS SHOWN AND DIMENSIONED ON THIS DETAIL

* ADDITIONAL PIPES AND ANGLES MAY REQUIRE LARGER INLET DIAMETER. A MINIMUM OF 1'-0" IS REQUIRED FROM OUTSIDE OF CORE TO OUTSIDE OF CORE.



NOTES:

- H= DIM FROM TOP OF CURB/CASTING TO PIPE INVERT
- FORMULA FOR DETERMINING H = 22" FOR TOP UNIT + 4" ADJUSTMENT BETWEEN TOP AND PIPE CHAMBER + PIPE WALL THICKNESS + PIPE I.D. (22 + 4 + P_T + P_{ID})
- EXAMPLE FOR 18" RCP - P_T =2.5 P_{ID} =18
 $22 + 4 + 2.5 + 18 = 46.5"$
 $46.5 / 12 = 3.87$ (SAY 4.0)
- * WE ROUNDED UP TO NEAREST .25" TO ALLOW FOR SOME FIELD ADJUSTMENT IF REQUIRED BY MINOR FIELD REVISIONS.
- IN CRITICAL DEPTH SITUATIONS H MINS CAN BE REDUCED BY .25", BUT WOULD NOT SUGGEST TRYING TO DESIGN ENTIRE SYSTEM WITH CRITICAL DEPTH CUT HEIGHTS
- 5' DIA AND LARGER PIPE CHAMBERS REQUIRE 8" TRANSITION SLAB



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