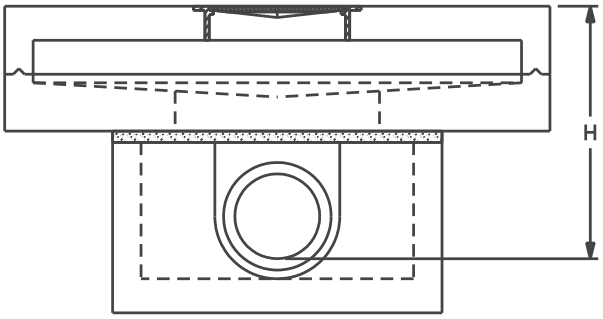
| PIPE SIZE | (D) LOWER PORTION INLET DIAMETER ** | (T) WALL THICKNESS CONCRETE | (H) MINIMUM DEPTH |
|---|---|---|---|
| 12" | 4' | 5" | 3.25' |
| 15" | 4' | 5" | 3.5' |
| 18" | 4' | 5" | 4.0' |
| 21" | 4' | 5" | 4.25' |
| 24" | 4' | 5" | 4.5' |
| 30" | 4' | 5" | 5.0' |
| 36" | 5' | 6" | 6.5' |
| 42" | 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

FORTERRA

| STORM SEWER THROATED INLET NOTES | SCALE: NTS | PH• 1-800-737-0707 | DWG# TCI-635 |
|---|---|---|---|
| | | DATE:09/12/08 | SHEET# 1 OF 1 |