

1. PIPING, PIPE SUPPORTS, VALVES, AND ALL ACCESSORIES TO BE SUPPLIED & INSTALLED BY C.T.I. SUB CONTRACTOR IN ACCORDANCE WITH PROJECT PLANS AND SPECIFICATIONS.
2. PIPING LAYOUT DIMENSIONS ARE FOR REFERENCE AND MUST BE VERIFIED BY CTI FOUNDATION SUB CONTRACTOR BASED ON FINAL LAYOUT. THOSE DIMENSIONS NOTED "HOLD" ON DWG. F2 MUST BE MAINTAINED UNLESS CALDWELL APPROVES A CHANGE.
3. C.T.I. SUB CONTRACTOR TO INSTALL PIPE SUPPORTS PER PROJECT PLANS AND SPECIFICATIONS.
4. PROVIDE 3'-0" MINIMUM PIPE COVER FROM FINISHED GRADE.
5. ALL PIPING TO BE RESTRAINED.

8 5/8" DIA. x 1/4" WALL x 1'-4" LG.
TUBE SLEEVE FOR 4" PIPE
(W/LINK SEAL) (SEE DWG. F4 &
WALL PENETRATION DETAIL)

SECTION "A-A"

WALL PENETRATION DETAIL
FOR FLOOR DRAIN

Diagram illustrating the cross-section of a footing with reinforcement details:

- TOP OF RINGWALL
- (4) #6 DIAGONAL BARS x 4'-0" LG. TYP. EA. FACE
- 16" DIA. PIPE SLEEVE FOR 12" DIA. INLET PIPE
- Ø INLET PIPE & SLEEVE
- TOP OF FOOTING
- 11 1/4"

WALL PENETRATION DETAIL
FOR INLET

2'-0" SQ. x 1'-0 3/4" HIGH CONC. PIPE SUPPORT FOR 12" INLET w/ 1" CHAMFER ON ALL SIDES

2'-0" SQ.

2" CL. TYP.

1'-0 3/4"

(8) #4 TIES

(4) #4 TIES

2'-6" MINIMUM

3'-0" (EACH WAY)

(5) #5 BARS (BENT) EQ. SPACED FA. WAY @ BOTTOM

CONCRETE PIPE (12") SUPPORT

THRUST BLOCK DETAIL
12" DIA. BASE ELBOW

12 3/4"

1'-0"

2'-0"

#4 TOP U-BAR

2'-0"

SEE CONCRETE PIPE (12") (SUPPORT DETAIL THIS SHEET)

12" DI BASE ELBOW (M.J. x M.J.) (CEMENT-LINED)

CONCRETE THRUST BLOCK FOR 12" BASE ELBOW (SEE DETAIL)

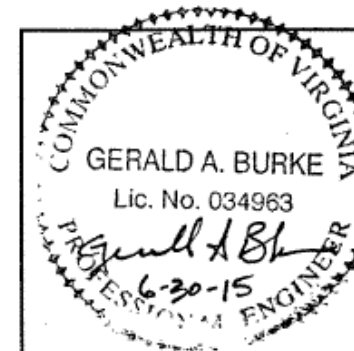
16" DIA. x 1/4" WALL x 6" LG. TUBE SLEEVE FOR 12" PIPE (W/LINK SEAL) (SEE DWG. F4)

16" DIA. x 1/4" WALL x 1'-4" LG. TUBE SLEEVE FOR 12" PIPE (W/LINK SEAL) (SEE DWG. F4 & WALL PENETRATION DETAIL)

11 1/4"

ROUGHENED CONSTRUCTION JOINT

AS BUILT



REV.	BY:	DATE	REMARKS
 ROANOKE, VIRGINIA 250,000 GALLON PEDESHERE			
BY: AMK		TITLE: RING FOUNDATION OUTLET ELEVATION	
DATE: 06/26/15		DRAWING NO.: E-8344 F3 OF	