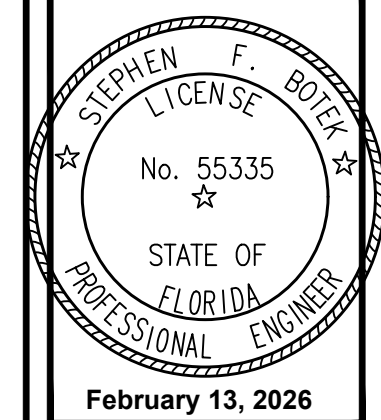




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DRAINAGE DETAILS

POMPANO BEACH MARINE CENTER

701 Federal Highway

Pompano Beach, Florida 33062

**Botek Thurlow
Engineering, Inc.**

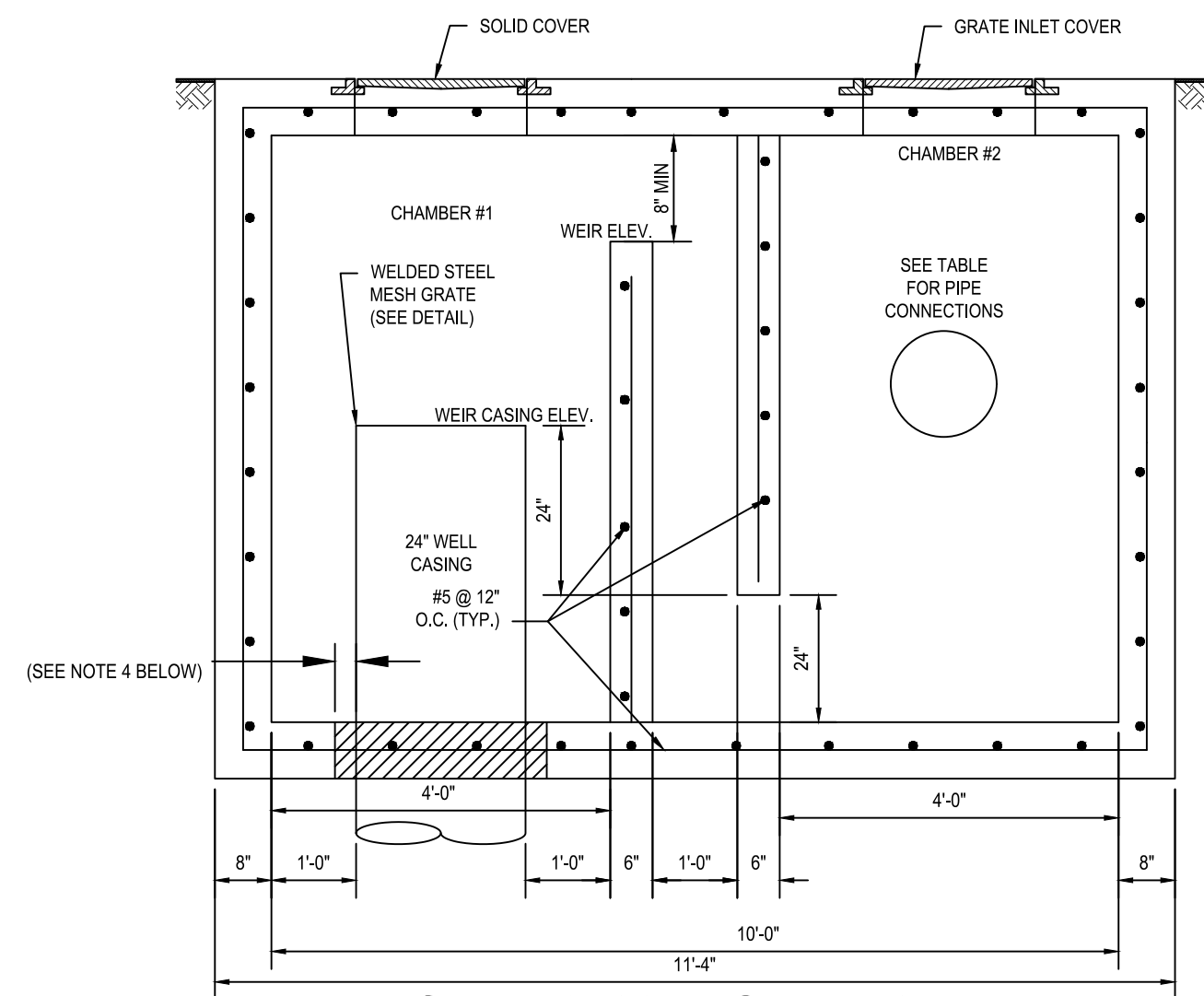
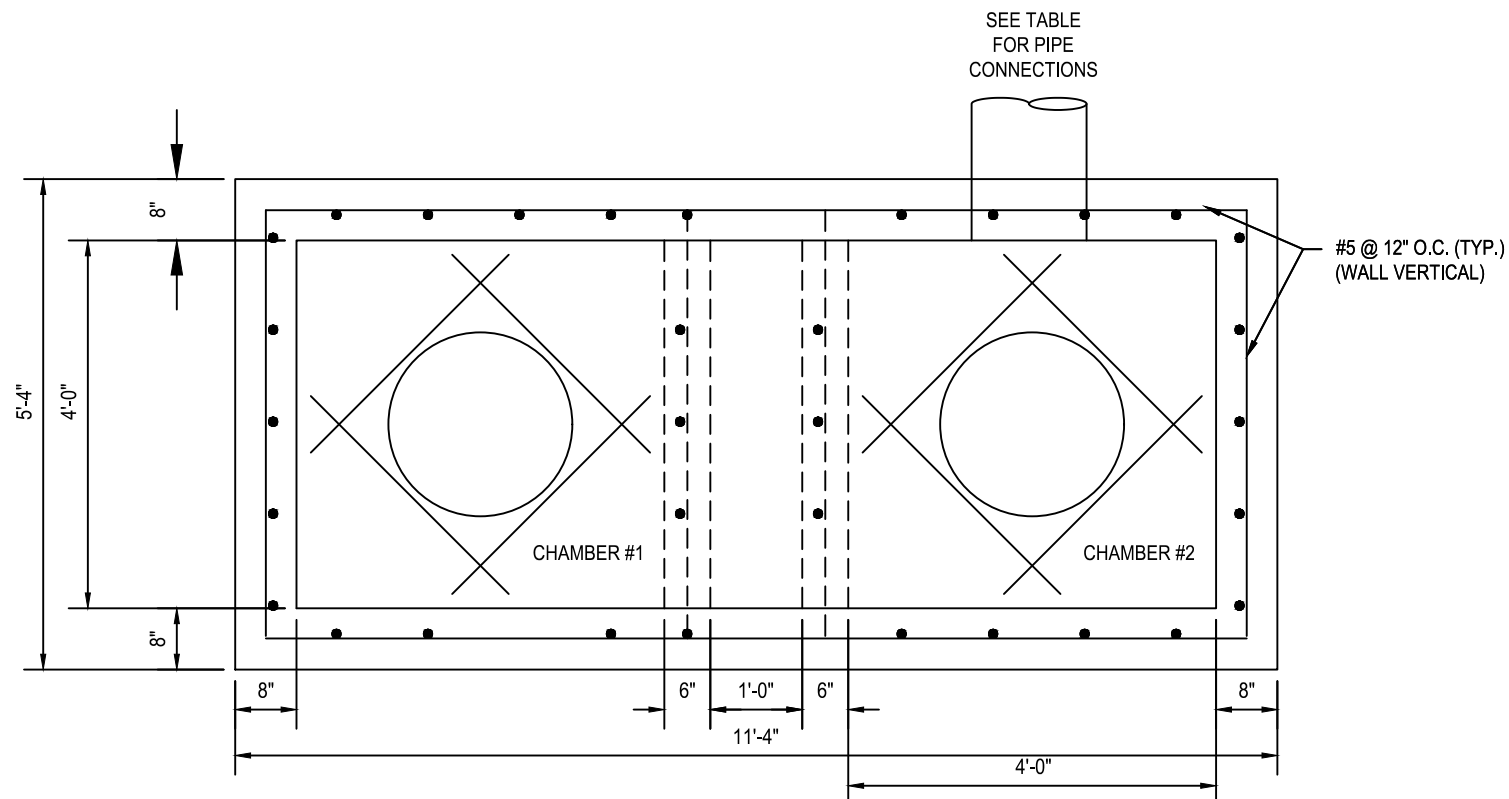
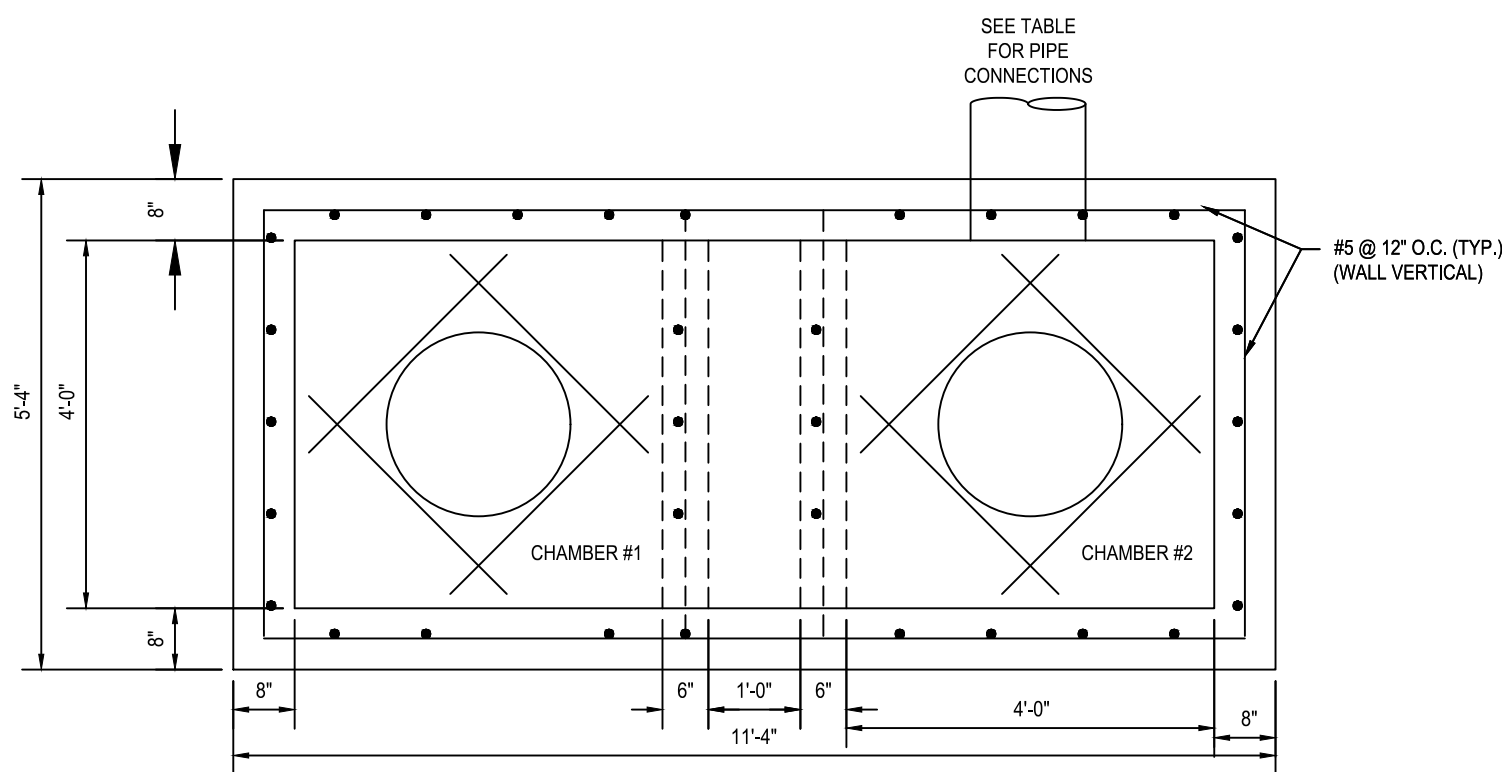
3400 NW 9th Avenue, Suite 102, Ft. Lauderdale, FL 33309
www.botekthurlow-eng.com P: 954-568-8888 F: 954-568-0757

BTE PROJECT #:
23-1102

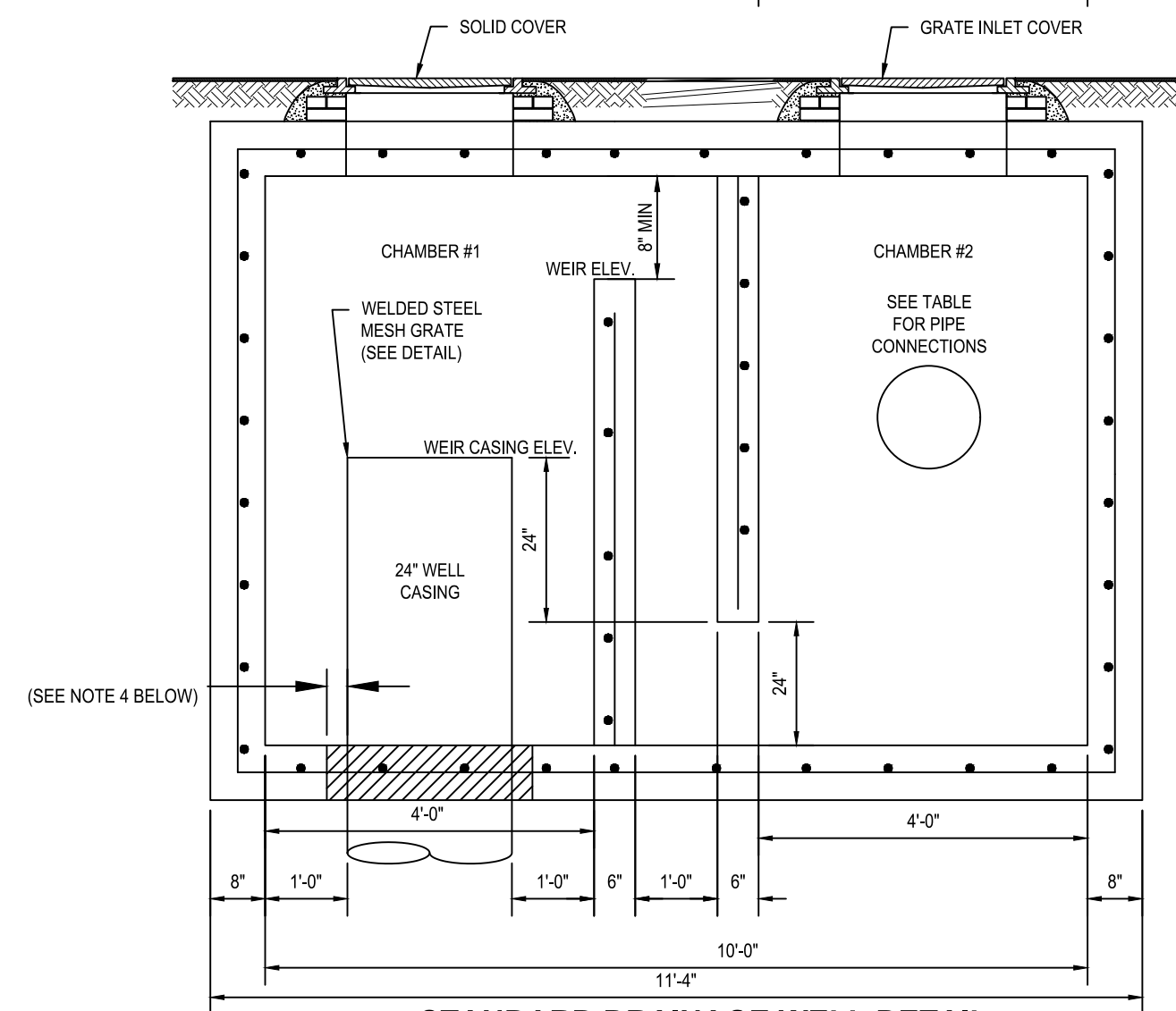
PROJECT DATE:
7-9-25

SHEET #:

C-3.1



SLAB TYPE DRAINAGE WELL DETAIL
N.T.S.



STANDARD DRAINAGE WELL DETAIL
N.T.S.

WELL NOTES:

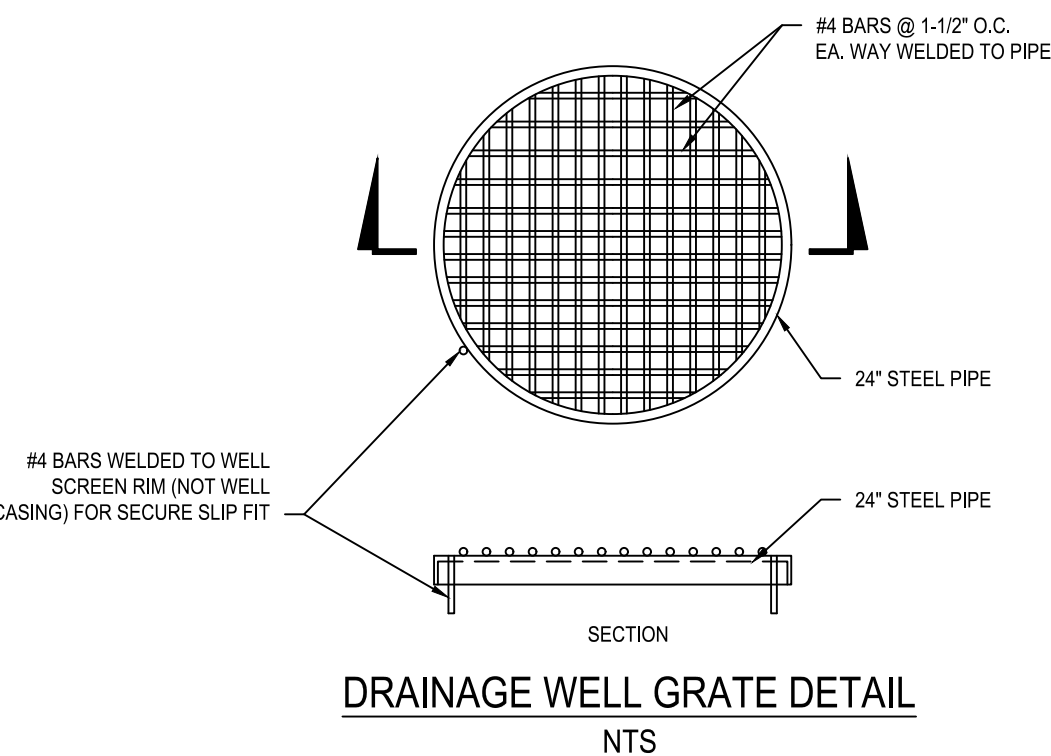
1. CONCRETE=4000 PSI @ 28 DAYS
2. HOLES FOR PIPING SHALL BE 6" LARGER THAN PIPE O.D. AND SHALL BE CAST AT TIME OF FABRICATION.
3. WET SEASON WATER TABLE ELEVATION = 1.50 N.A.V.D.
4. PROVIDE 4 ADDITIONAL (DIAGONAL) TYPE "D" REINFORCEMENT AROUND PIPE OPENING.

SLAB TYPE WELL TOP SLAB NOTES:

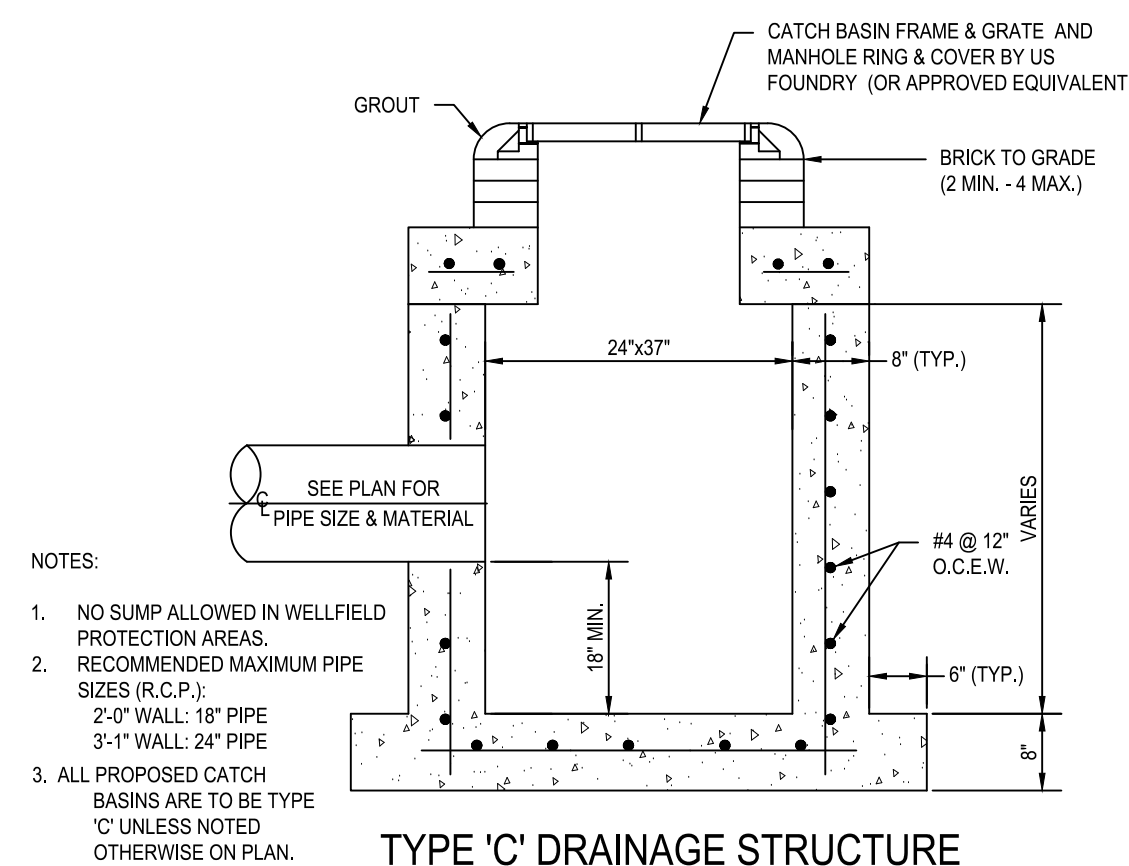
1. TOP SLAB REINFORCEMENT TO BE NO. 7 BARS @ 6" O.C. E.W. WITH ADDITIONAL NO. 8 BARS AROUND OPENINGS.
2. CHAMBER #1 TO HAVE (SOLID COVER) U.S.F. SLAB TYPE
3. CHAMBER #2 TO HAVE (SLOTTED COVER) U.S.F. SLAB TYPE
4. SLAB OPENINGS SIZES WITHIN EACH CHAMBER SHALL BE AS REQUIRED BASED UPON INSTALLATION OF FRAME AND GRATE OR RING AND COVER.
5. SLOPE TOP SLAB AS NEEDED TO MATCH SITE GRADING

STANDARD WELL TOP SLAB NOTES:

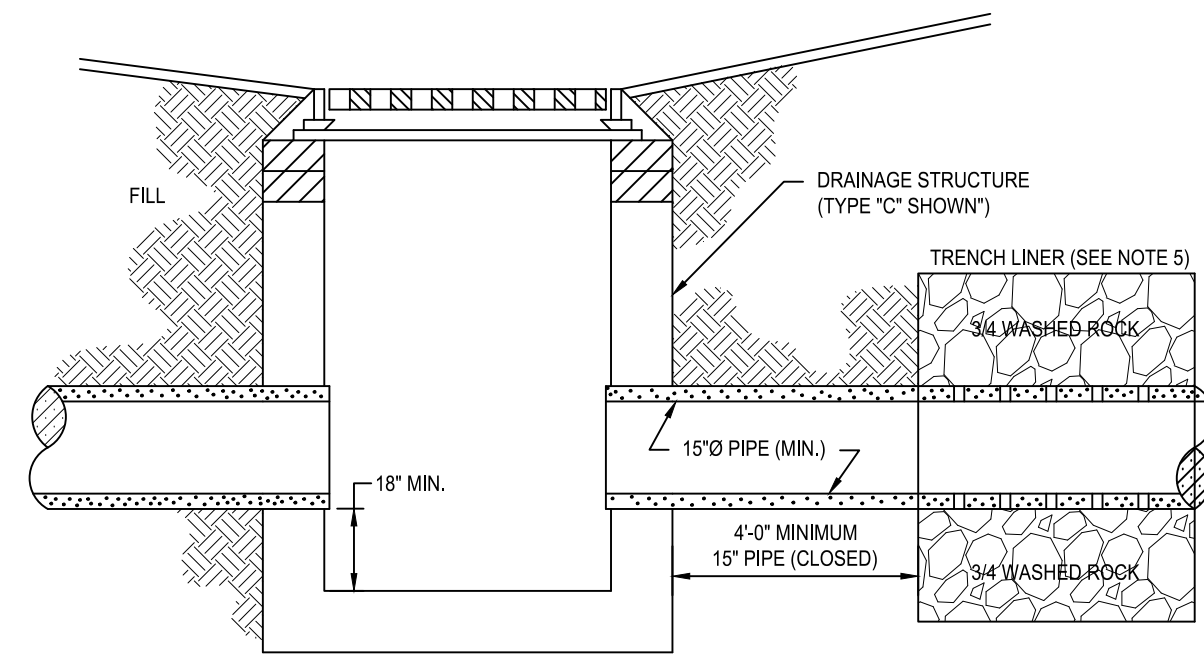
1. TOP SLAB REINFORCEMENT TO BE NO. 7 BARS @ 6" O.C. E.W. WITH ADDITIONAL NO. 8 BARS AROUND OPENINGS.
2. CHAMBER #1 TO HAVE (SOLID COVER) U.S.F. 150 RING AND COVER OR APPROVED EQUIVALENT
3. CHAMBER #2 TO HAVE (SLOTTED COVER) U.S.F. 3130 RING AND 5640 GRATE OR APPROVED EQUIVALENT
4. SLAB OPENINGS SIZES WITHIN EACH CHAMBER SHALL BE AS REQUIRED BASED UPON INSTALLATION OF FRAME AND GRATE OR RING AND COVER.
5. SLOPE TOP SLAB AS NEEDED TO MATCH SITE GRADING



DRAINAGE WELL GRATE DETAIL
NTS



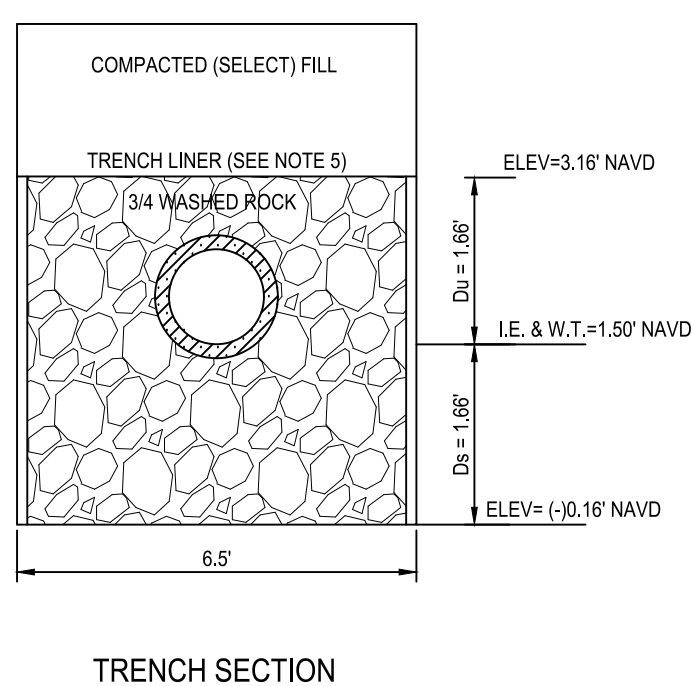
TYPE 'C' DRAINAGE STRUCTURE
NTS



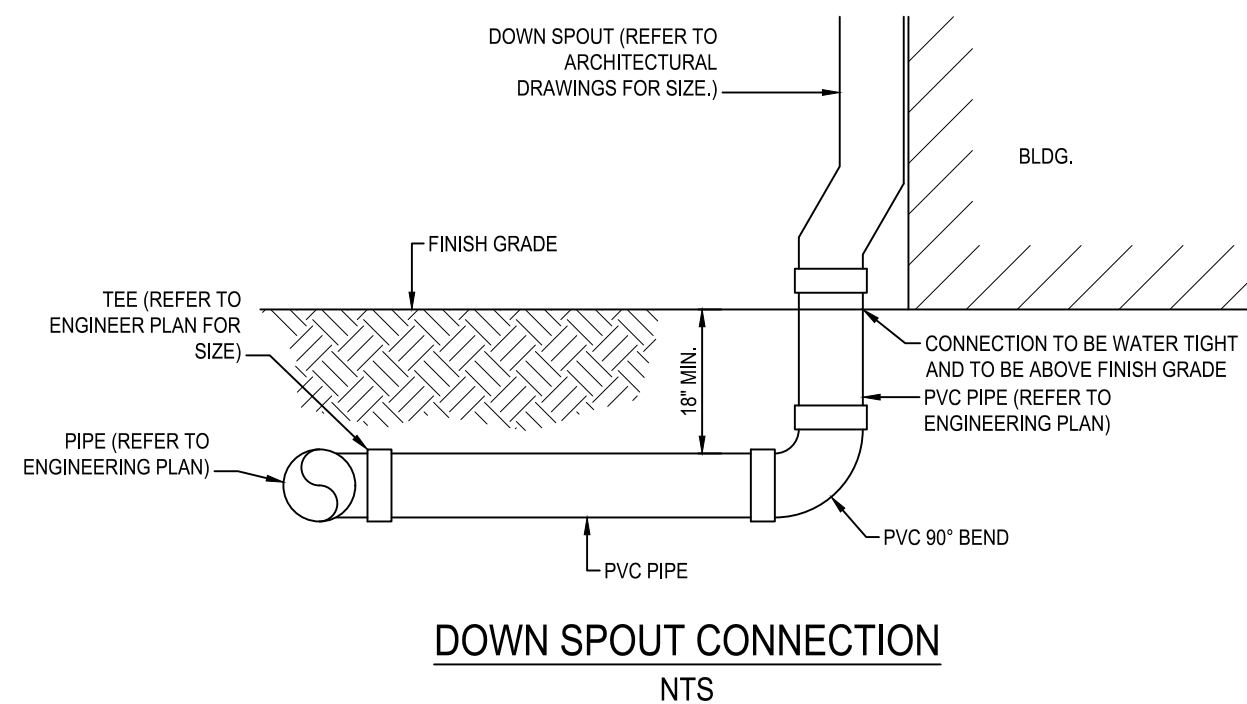
NOTES:

1. DRAIN FIELD MAY BE OF SLOTTED CONCRETE PIPE.
2. PIPES SHALL TERMINATE 2' FROM END OF TRENCH OR CONNECT TO ADDITIONAL CATCH BASINS WITH A MINIMUM OF 4' SEPARATION BETWEEN TRENCH AND CATCH BASIN AS REQUIRED.
3. COVER PIPE ENDS WITH NO. 10 GALVANIZED OR ALUMINUM SCREEN, OPENING NO LARGER THAN 1/2\"/>
4. BALLAST ROCK SHALL BE FROM FRESH WATER WASHED FREE OF DELETERIOUS MATTER.
5. SIDES AND TOP OF TRENCH TO BE LINED WITH ONE LAYER OF PLASTIC TYPE FILTER CLOTH OR APPROVED EQUAL OVERLAP TRENCH LINING MATERIAL A MINIMUM OF TWO FEET AT TOP OF TRENCH
6. FILTER FABRIC TO BE GEOTEX 351 OR AMOCO 4545 OR EQUIVALENT.

EXFILTRATION TRENCH DETAIL
NTS



TRENCH SECTION



DOWN SPOUT CONNECTION
NTS