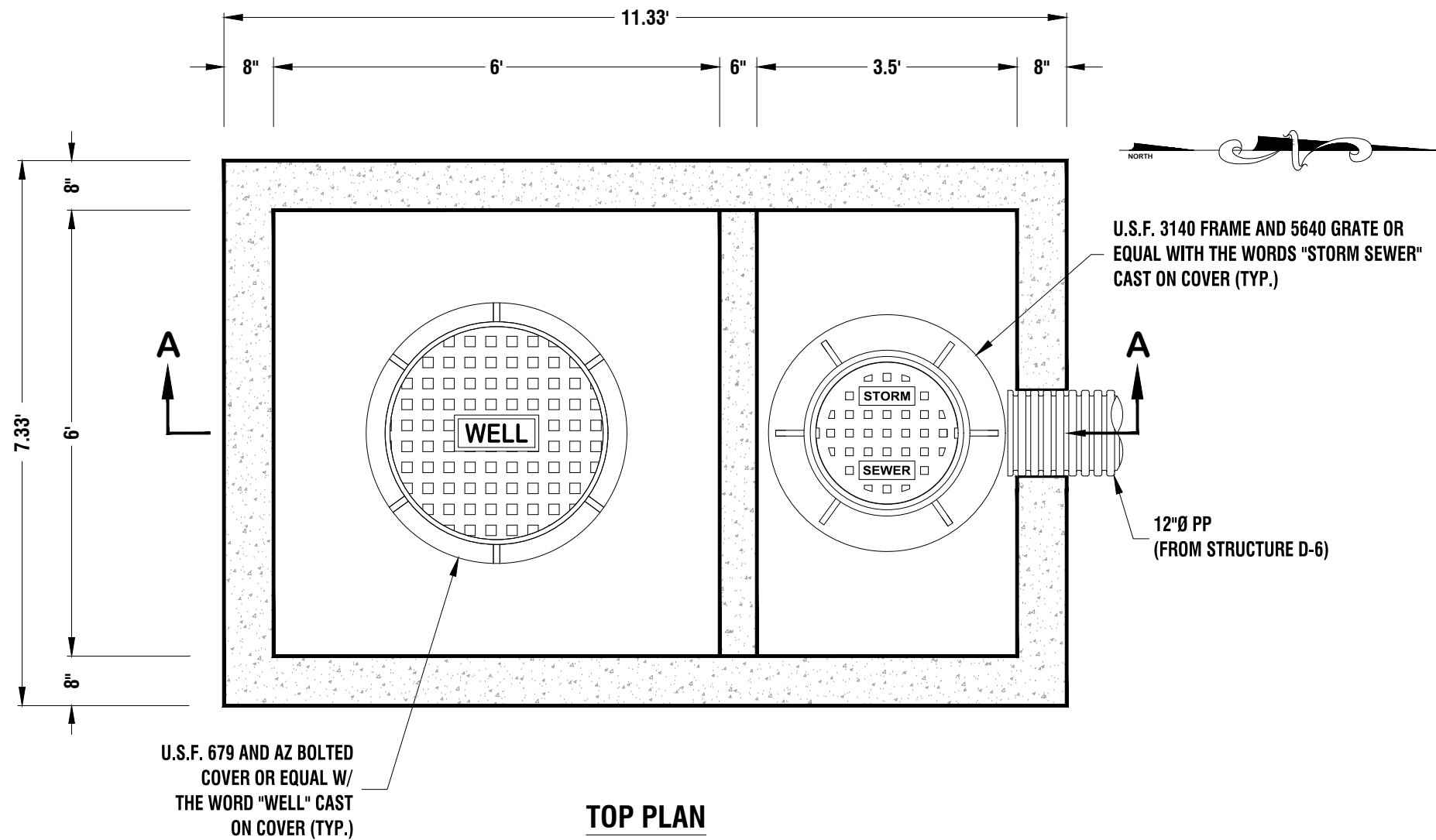


USE BASALT FIBER-REINFORCED CONCRETE

BOLLARD

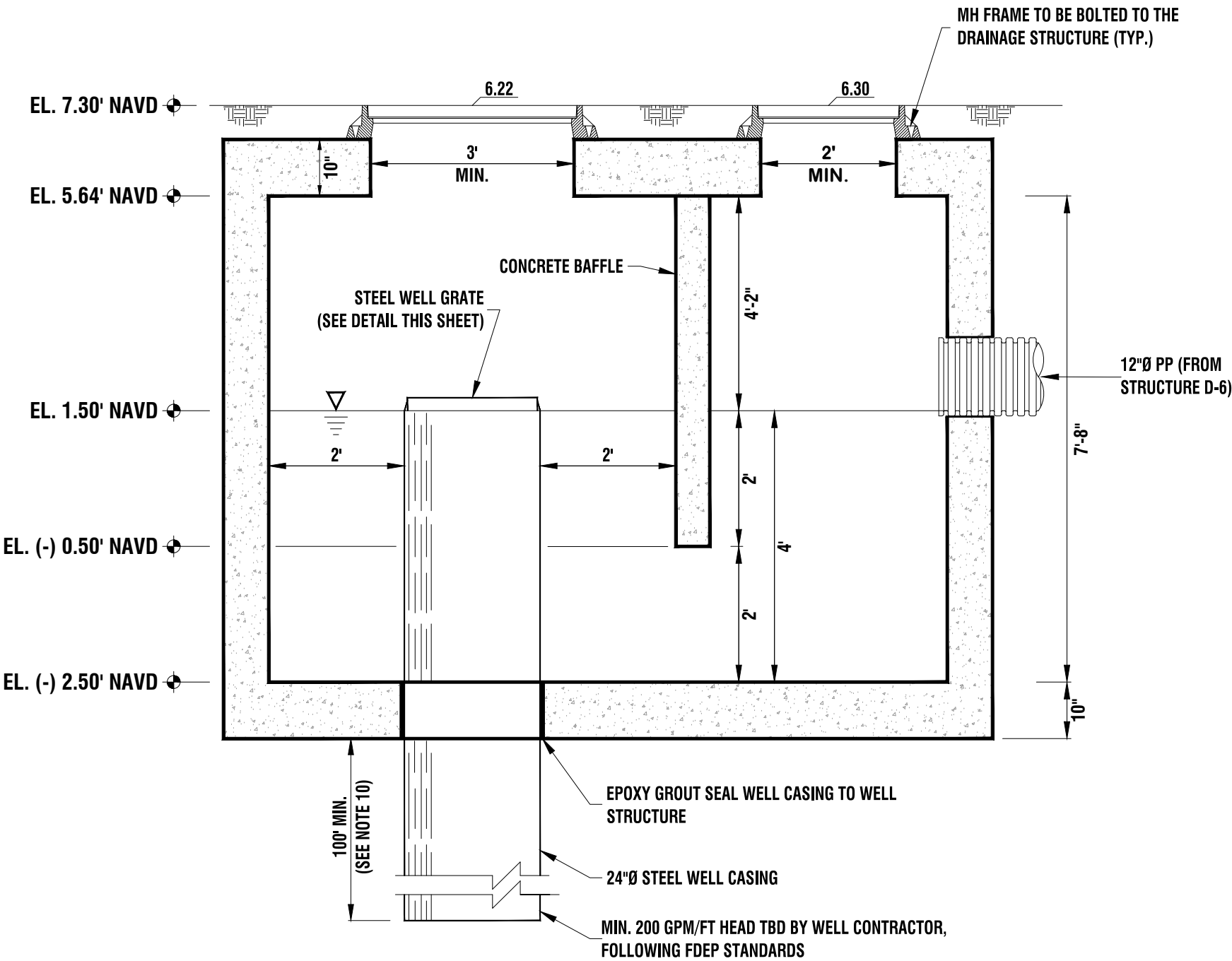
1" = 2'



TOP PLAN

WELL COORDINATES:

LAT. 26°13'46.19" N
LONG. 80°06'02.57" W



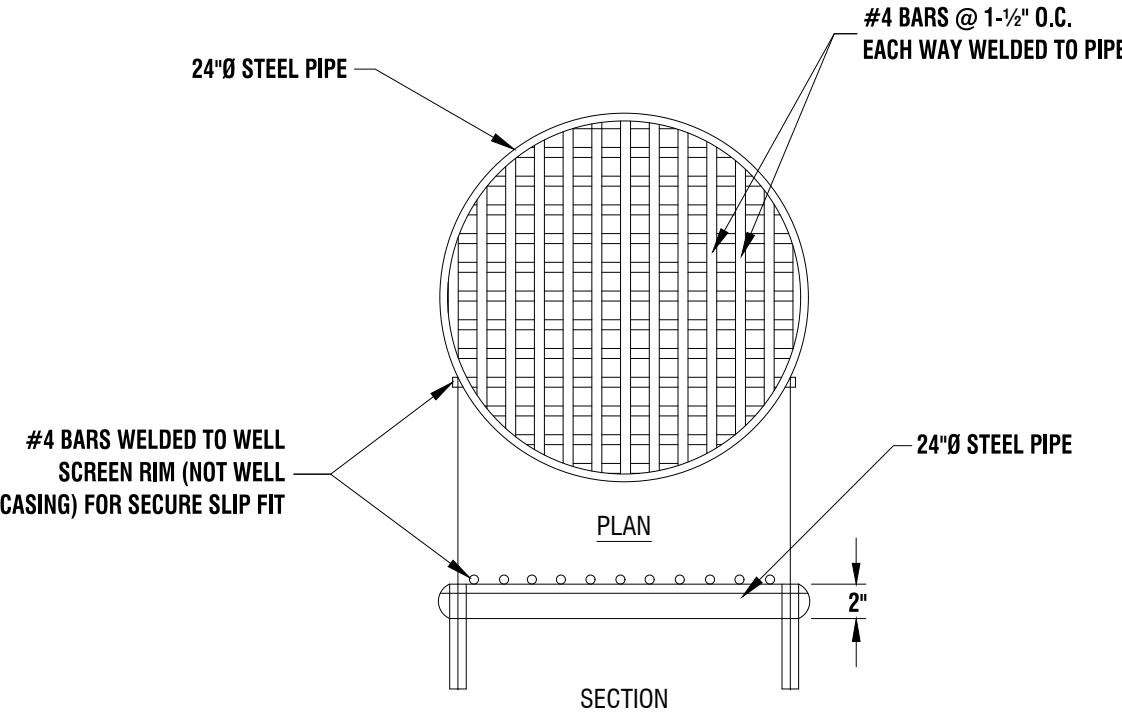
SECTION A-A

STORM DRAINAGE WELL #1 STRUCTURE (D-7)

N.T.S.

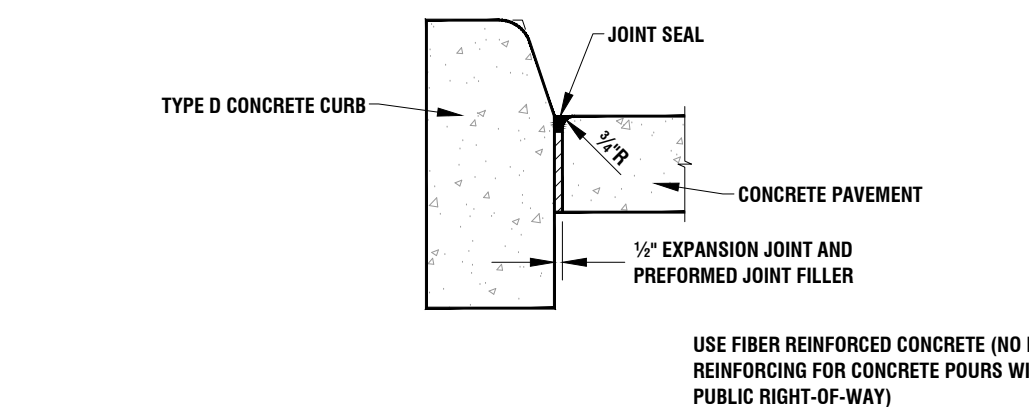
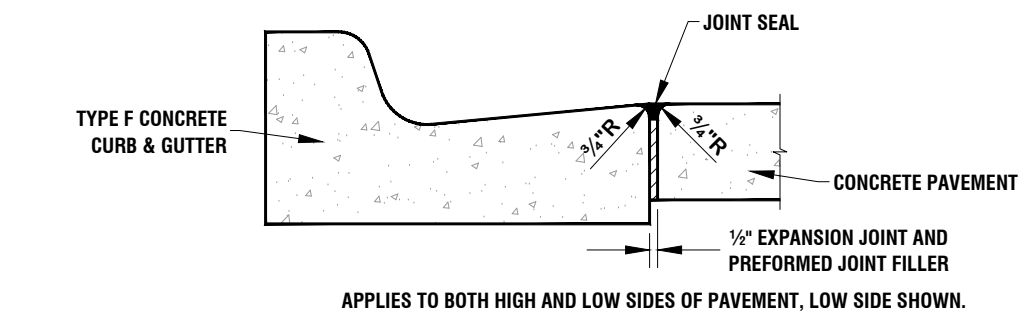
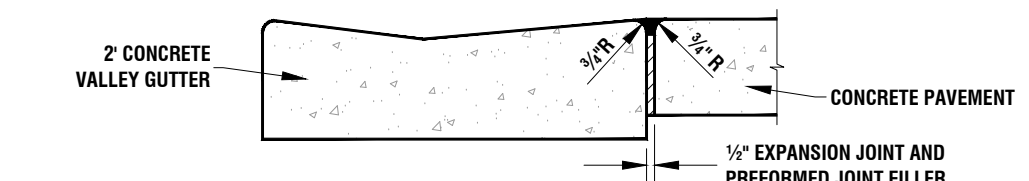
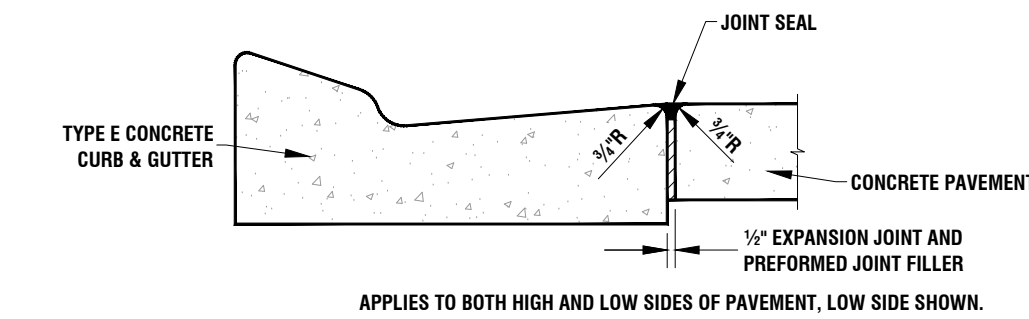
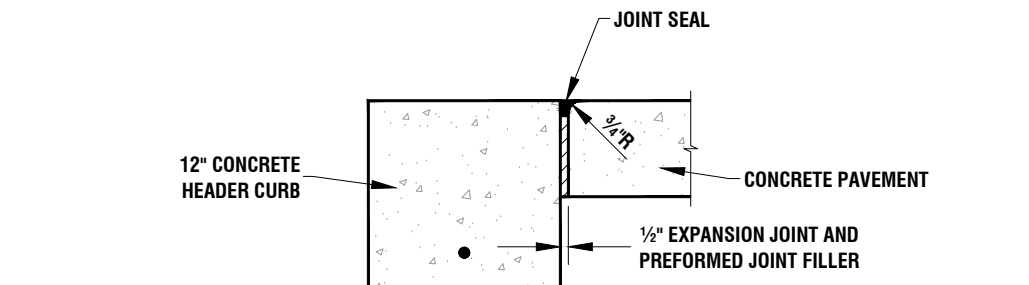
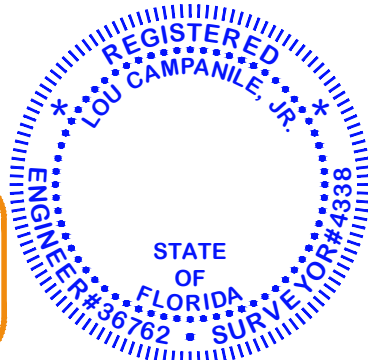
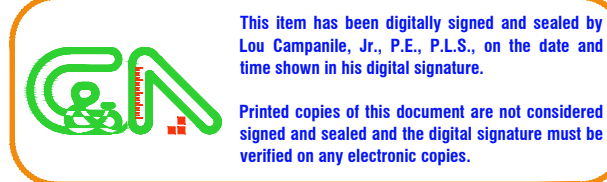
DRAINAGE WELL NOTES:

- UNLESS OTHERWISE NOTED OR SPECIFIED, ALL STRUCTURAL CONCRETE SHALL BE CLASS II CONCRETE AND SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI IN 28 DAYS.
- REINFORCEMENT STEEL SHALL BE DEFORMED BARS CONFORMING IN QUALITY TO THE REQUIREMENTS OF ASTM A-615, "SPECIFICATIONS FOR DEFORMED BILLET STEEL BARS FOR CONCRETE REINFORCEMENT", GRADE 60.
- ALL DETAILING FABRICATION AND PLACING OF REINFORCING BARS, UNLESS OTHERWISE INDICATED, SHALL BE IN ACCORDANCE WITH ACI-315, "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURE", LATEST EDITION.
- DOWELS SHALL BE WIRED OR OTHERWISE HELD IN POSITION. THEY SHALL NOT BE SHOVED INTO FRESHLY PLACED CONCRETE.
- DRAINAGE WELL SHALL BE 24" INSIDE DIAMETER STEEL CASING WITH MINIMUM 3/8" WALL THICKNESS MEETING FY-42 KSI AND MINIMUM 3.65 LBS/LI WEIGHT.
- WELL CASING, LINER PIPE AND WELL SCREEN SHALL BE NEW CONDITION, WELDED OR SEAMLESS BLACK OR GALVANIZED STEEL PIPE OR CASING, OR STAINLESS STEEL PIPE OR CASING SHALL BE USED. ALL WELL CASING SHALL CONFORM TO ONE OF THE FOLLOWING STANDARDS: AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) A53/A53M-99b, A135-01, A252-98, A589-96, OR AMERICAN PETROLEUM INSTITUTE (API) 5L-2000. ALL COMPONENTS OF DRAINAGE WELL AND DRAINAGE WELL CONSTRUCTION SHALL CONFORM TO RULE 62-532.500, F.A.C.
- SOIL BEARING PRESSURE UNDER STRUCTURE ASSUMED TO BE AT MINIMUM 2000 PSF. PRIOR TO INSTALLATION OF DRAINAGE STRUCTURE THE SOIL BEARING CAPACITY OF THE FOUNDATION MUST BE CONFIRMED BY THE CONTRACTOR, THROUGH A CERTIFIED GEOTECHNICAL LABORATORY.
- MORTAR GROUT TO SEAL THE PIPE, TOP SLABS, AND LEVELING COURSE SHALL BE OF SUCH A MIX THAT SHRINKAGE WILL NOT CAUSE LEAKAGE INTO OR OUT OF THE UNIT. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR MORTAR FOR ENGINEER REVIEW AND APPROVAL.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, SIGNED AND SEALED BY A FLORIDA LICENSED ENGINEER, FOR PRECAST STRUCTURES TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE CONSTRUCTION OF STRUCTURE.
- THE MINIMUM CASING SETTING DEPTH OF DRAINAGE WELLS SHALL BE 100 FEET. HOWEVER, WELL DEPTH TO BE DETERMINED UPON REACHING WELL CAPACITY OF 200 GPM/FT OF HEAD.



STEEL WELL GRATE DETAIL

N.T.S.

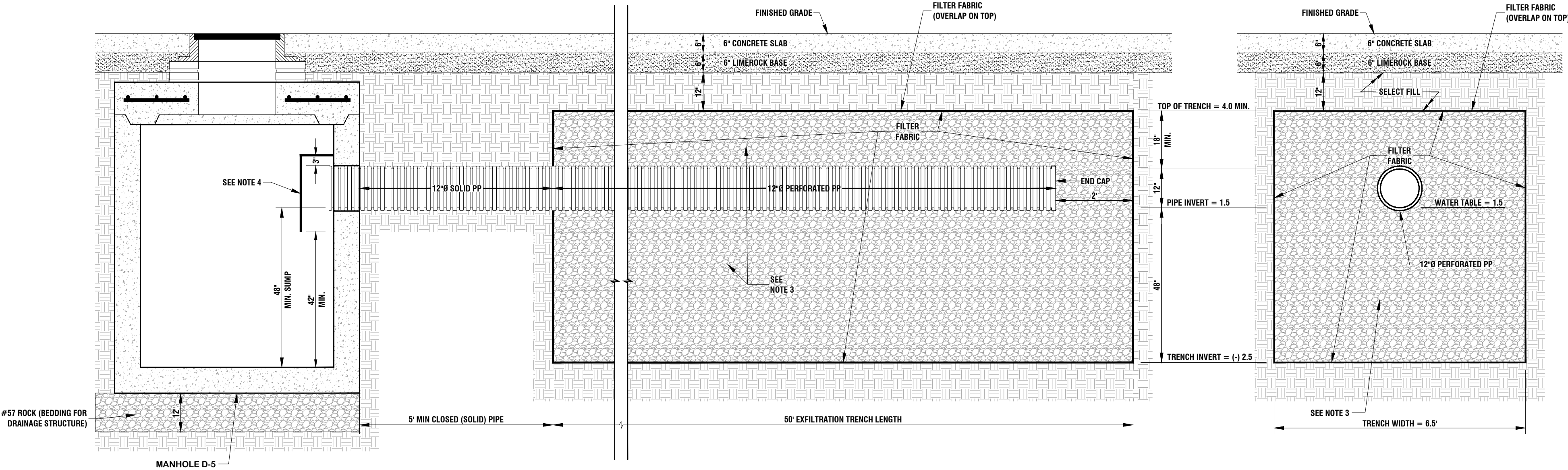


GENERAL NOTES:

- FOR CURB, GUTTER AND CURB & GUTTER PROVIDE 1/4" - 1/4" CONTRACTION JOINTS AT 10' CENTERS (MAX.). CONTRACTION JOINTS ADJACENT TO CONCRETE PAVEMENT ON TANGENTS AND FLAT CURVES ARE TO MATCH THE PAVEMENT JOINTS, WITH INTERMEDIATE JOINTS NOT TO EXCEED 10' CENTERS. CURB, GUTTER AND CURB & GUTTER EXPANSION JOINTS SHALL BE LOCATED IN ACCORDANCE WITH SECTION 6520, FDOT STANDARD SPECIFICATIONS.
- ENDS OF TYPE D CURB SHALL TRANSITION FROM FULL TO ZERO HEIGHTS IN 3'.

EXPANSION JOINTS BETWEEN CONCRETE PAVEMENT AND VARIOUS CURB TYPES

1" = 2'



EXFILTRATION TRENCH DETAIL

1" = 2'

NOTES:

- PERFORATED PIPES SHALL TERMINATE 2 FEET FROM THE END OF TRENCH (CAP ENDS OF PIPES).
- SIDES, BOTTOM AND TOP OF TRENCH TO BE LINED WITH GEOTEXTILE FABRIC (MIRAFI OR EQUAL), OVERLAP FABRIC A MINIMUM OF 2 FEET AT TOP OF EXFILTRATION TRENCH.
- BALLAST ROCK SHALL BE FDOT TYPE NO. 57 (1/2" BALLAST ROCK), CLEANED & WASHED.