

**1. APPLICABLE CODES:**

- A. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE FOOT, INCLUDING THE CURRENT ADOPTION OF THE DESIGN STANDARDS AND STANDARD SPECIFICATIONS, AND THE TOWN OF MIAMI, FLORIDA, AND ALL OTHER APPLICABLE LOCAL, STATE AND NATIONAL CODES.
- B. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER AND IN STRICT COMPLIANCE WITH ALL CITY ORDINANCES, THE TOWN OF MIAMI, FLORIDA, AND ALL APPLICABLE LOCAL, STATE AND NATIONAL REGULATIONS.
- C. ALL ELEVATIONS SHOWN ON THE CONSTRUCTION DRAWINGS ARE BASED ON NATIONAL AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D.), UNLESS OTHERWISE NOTED.
- D. THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH CHAPTER 90-366 OF THE LAWS OF FLORIDA (THE TRENCH SAFETY ACT) AND OSHA STANDARDS AS C.I.R. SECTION 1926.650 SUBPART F. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A TRENCH SAFETY ACT COMPLIANCE STATEMENT, AND THE CONTRACTOR SHALL ALSO SUBMIT A SEPARATE COST ITEM IDENTIFYING THE COST OF COMPLIANCE WITH THE APPLICABLE TRENCH SAFETY CODES.
- E. EXISTING TOPOGRAPHIC AND CASTERAL INFORMATION SHOWN ON THESE DRAWINGS ARE BASED ON THE TOPOGRAPHIC SURVEY PERFORMED BY GIBBS LAND SURVEYORS.

**II. PRECONSTRUCTION RESPONSIBILITIES:**

- A. THE INFORMATION PROVIDED IN THESE PLANS IS TO ASSIST THE CONTRACTOR IN UNDERSTANDING THE SCOPE AND NATURE OF THE WORK AND TO BE ENCOUNTERED DURING THE COURSE OF THE WORK. ALL CONTRACTORS WILL BE DIRECTED, PRIOR TO BIDDING, TO CONDUCT ANY INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED AND UPON WHICH THEIR BIDS WILL BE BASED.
- B. UPON THE RECEIPT OF THE NOTICE TO PROCEED, THE CONTRACTOR SHALL OBTAIN THE NECESSARY CONSENTS FROM ALL INVOLVED GOVERNMENTAL AGENCIES, UTILITY OWNERS, THE OWNER AND THE ENGINEER OF RECORD.
- C. THE CONTRACTOR SHALL CONTACT SURESOURCE ONE-CALL OF FLORIDA BY CALLING 800-4-A-SURESOURCE TO OBTAIN THE LOCATION OF EXISTING UTILITIES AND LOCATION OF EXISTING UNDERGROUND UTILITIES.
- D. THE CONTRACTORS SHALL COORDINATE WITH UTILITIES TO ARRANGE FOR THE LOCATION AND PROTECTION OF ALL UTILITIES, ETC. AS NECESSARY TO COMPLETE THE WORK, IF APPLICABLE.
- E. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT ANY AND ALL EXISTING UTILITIES ON THIS PROJECT.
- F. THE CONTRACTOR SHALL SECURE ALL UTILITY EASEMENTS (IF REQUIRED) TO BE SECURED PRIOR TO CONSTRUCTION.
- G. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES AS SHOWN ON THE DRAWINGS WERE OBTAINED FROM IMPROVEMENTS, UTILITIES, ETC. WITHIN THE PROJECT AREA WHICH WERE NOT PURPORT TO BE ABSOLUTELY CORRECT. THERE MAY BE OTHER IMPROVEMENTS, UTILITIES, ETC. WITHIN THE PROJECT AREA WHICH WERE NOT INSTALLED AND CONSTRUCTED AFTER THE PREPARATION OF THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING AND PROTECTING ANY FEATURES NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL PRIOR TO CONSTRUCTION, THE LOCATIONS, ELEVATIONS AND DIMENSIONS OF ALL EXISTING UTILITIES, FACILITIES, STRUCTURES AND OTHER FEATURES (WHETHER SHOWN ON THE PLANS OR NOT) AFFECTING THE WORK.
- H. IF UPON EXCAVATION, EXISTING CONDITIONS ARE FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF RECORD SO THAT APPROPRIATE MEASURES CAN BE TAKEN TO RESOLVE THE PROBLEM.

**III. INSPECTION AND TESTING:**

- A. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD AS WELL AS ANY OTHER GOVERNMENTAL AGENCIES HAVING JURISDICTION AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
- B. THE CONTRACTOR SHALL GIVE THE ENGINEER OF RECORD AT LEAST 48 HOURS ADVANCE NOTICE OF, AND THE ENGINEER OF RECORD MUST BE PRESENT TO WITNESS, THE FOLLOWING:
  - 1. PRESSURE TESTING OF THE WATER DISTRIBUTION SYSTEM.
  - 2. DRAINAGE.
- C. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL APPLICABLE REGULATORY AGENCIES FOR INSPECTION REQUIREMENTS.

**IV. SHOP DRAWINGS:**

- A. PRIOR TO THEIR CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER OF RECORD FOR THE FOLLOWING ITEMS: CATCH BASIN, STORM MANHOLES AND ALL OTHER DRAINAGE STRUCTURES, DRAINAGE PIPE, IN ADDITION, SOME OTHERS, COUNTERS, STATE AND/OR NATIONAL REGULATORY AGENCIES REQUIRE THEIR OWN APPROVALS AND APPROVED BY THE ENGINEER OF RECORD AND APPROVED BY THE CONTRACTOR TO OBTAIN ALL OTHER AGENCY SHOP DRAWING APPROVALS IF REQUIRED.
- V. TEMPORARY FACILITIES:
  - A. TEMPORARY FACILITIES:
    - 1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES AND ELECTRICITY, DURING CONSTRUCTION.
  - B. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE ACCESS ENTRANCE TO COMMERCIAL PROPERTIES AT ALL TIMES, IF APPLICABLE.
  - C. THE CONTRACTOR SHALL MAINTAIN A CLEAR PATH FOR ALL SURFACE WATER DRAINAGE STRUCTURES AND DITCHES DURING ALL PHASES OF CONSTRUCTION, IF APPLICABLE.
  - D. TRAFFIC REGULATION:
    - 1. THE CONTRACTOR SHALL PROVIDE ALL WARNING SIGNS, SIGNS, LIGHTS AND FLAGPERSONS AS NECESSARY FOR THE MAINTENANCE OF TRAFFIC FLOW AND SAFETY OF THE PROJECT. THE CONTRACTOR SHALL MAINTAIN ALL FOOT RIGHT-OF-WAYS IN ACCORDANCE WITH THE M.I.D.O.T. AND ALL OTHER TRUCKS AND HOLES ADAPTED TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.
    - 2. SHOULDER OR HOLES NEAR WALKWAYS, IN ROADWAYS OR THEIR SHOULDERS ARE TO BE LEFT OPEN DURING NIGHTTIME HOURS WITHOUT EXPRESS PERMISSION OF THE TOWN OF SURFSIDE PUBLIC WORKS DEPARTMENT.

**VI. PROJECT CLOSEOUT:**

- A. CLEANING UP:
  - 1. DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER AND UPON FINAL CLEAN-UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL, OR TRASH, THE PAVED AREAS SHALL BE SWEPT BROOD CLEAN.
  - 2. THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED, ALL EXISTING SURFACE AND UNDERGROUND UTILITIES TO ORIGINAL OR PRIOR TO THE BEGINNING OF OPERATIONS.

- 3. THE CONTRACTOR SHALL REPLACE ALL PAVING, STABILIZED EARTH, CURBS, DRIVEWAYS, SIDEWALKS, FENCES, MAILBOXES, SIGNS AND ANY OTHER IMPROVEMENTS REMOVED DURING CONSTRUCTION WITH THE SAME TYPE OF MATERIAL, AND TO THE CONDITION WHICH EXISTED PRIOR TO THE BEGINNING OF OPERATIONS.
- 4. WHERE MATERIAL OR DEBRIS HAS WASHED OR FLOWED INTO, OR HAVE BEEN PLACED IN WATER COURSES, DITCHES, DRAINS, CATCH BASINS, OR ELSEWHERE AS A RESULT OF THE CONTRACTOR'S OPERATIONS, SUCH MATERIAL OR DEBRIS SHALL BE REMOVED AND RESTORED TO ORIGINAL CONDITION AND THE PROGRESS OF THE WORK, AND THE AREA KEPT IN A CLEAN AND NEAT CONDITION.
- 5. ALL PROPERTY MONUMENTS OR PERMANENT REFERENCES SHALL BE RESTORED OR DESTROYED BY THE CONTRACTOR DURING CONSTRUCTION. SHALL BE RESTORED TO ORIGINAL CONDITION AND THE PROGRESS OF THE WORK.

**B. PROJECT RECORD DOCUMENTS:**

- 1. DURING THE DAILY PROGRESS OF THE JOB, THE CONTRACTOR SHALL RECORD ON HIS SET OF CONSTRUCTION DRAWINGS THE EXACT LOCATION, LENGTH AND ELEVATION OF ANY FACILITY NOT BUILT EXACTLY ACCORDING TO PLANS.
- 2. UPON COMPLETION OF DRAINAGE IMPROVEMENTS CONSTRUCTION, THE CONTRACTOR SHALL FIELD DRAWINGS, SHOWING THE LOCATIONS AND PERCENT GRADES OF ALL DRAINAGE INSTALLATIONS AND EDGES OF PAVEMENT AT 50 FEET INTERVALS.
- 3. UPON COMPLETION OF CONSTRUCTION, AND PRIOR TO FINAL PAYMENT, THE SET OF ALL "AS-BUILT" CONTRACT DRAWINGS, THESE DRAWINGS SHALL BE MARKED AND ELEVATIONS OF ALL IMPROVEMENTS.
- 4. "AS-BUILT" INFORMATION ON WATER MAINS AND GRANTY SPERS MUST BE PROVIDED IN ACCORDANCE WITH TOWN OF SURFSIDE PUBLIC WORKS STANDARD "AS-BUILT" REQUIREMENTS.
- 5. ALL "AS-BUILT" INFORMATION SHALL BE CERTIFIED BY A FLORIDA REGISTERED LAND SURVEYOR.

**VII. EARTHWORK AND COMPACTION:**

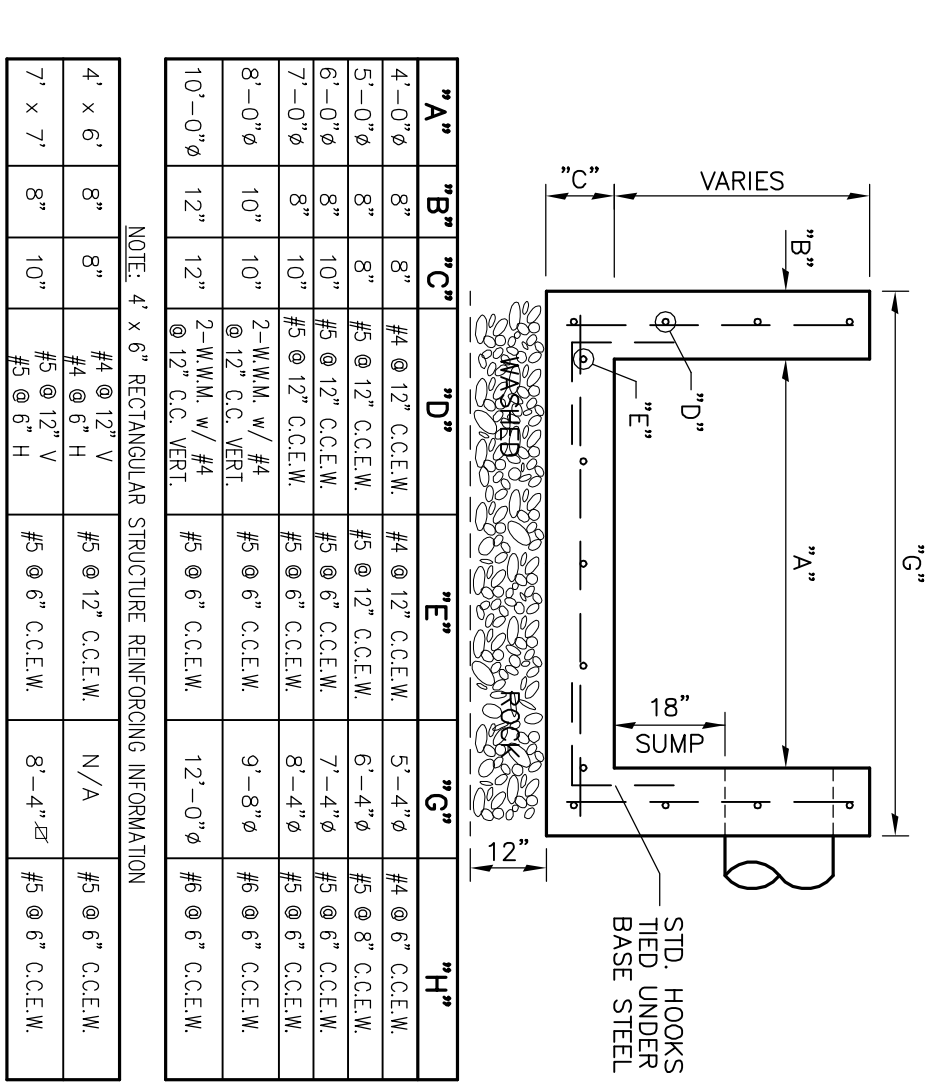
- A. EARTHWORK AND COMPACTION SHALL BE PERFORMED IN ACCORDANCE WITH TOWN OF SURFSIDE PUBLIC WORKS STANDARDS AND FOOT STANDARDS.
- B. 8" LAYEROCK BASE SHALL BE PLACED IN TWO (2) 4" LAYERS. LAYEROCK BASE SHALL BE IN ACCORDANCE WITH SECTION 200 OF THE FLORIDA DOT STANDARD SPECIFICATIONS. ALL BASE ROCK SHALL BE COMPACTED TO NOT LESS THAN 98% MAXIMUM DRY DENSITY AS DETERMINED BY AASHTO T-1180.
- C. SUBGRADE NOT REQUIRING STABILIZATION SHALL BE IN ACCORDANCE WITH SECTION 120-9.4 OF THE FLORIDA D.O.T. STANDARD SPECIFICATIONS. ALL SUBGRADE SHALL HAVE A MINIMUM L.B.R. OF 40 AND BE COMPACTED TO NOT LESS THAN 100% MAXIMUM DRY DENSITY AS DETERMINED BY AASHTO T-193-C.
- D. FILL PROPOSED FOR PLACEMENT WITH IN 50 FEET OF OR ANY DISTANCE BEYOND THE COASTAL CONSTRUCTION LINE SHALL COMPLY WITH ALL REQUIREMENTS OF THE FDOT PERMIT FOR CONSTRUCTION SEAWARD OF THE COASTAL CONSTRUCTION CONTROL LINE.

**VIII. STORM DRAINAGE:**

- A. GENERAL:
  - 1. CATCH BASIN GATES AND RIM ELEVATIONS AS SHOWN ON PLANS SHALL BE ADJUSTED TO CONFORM TO NEW OR EXISTING GRADES.
  - 2. DISTANCES AND LENGTHS SHOWN ON PLANS AND PROFILE DRAWINGS ARE REFERENCED TO THE CENTER OF STRUCTURES.
  - 3. ALL STORM DRAINAGE MATERIALS AND INSTALLATION SHALL CONFORM TO TOWN OF SURFSIDE PUBLIC WORKS DEPARTMENT SPECIFICATIONS OR FOOT SPECIFICATION OR APPLICABLE BASED ON LOCATION OF WORK.
  - 4. ALL DRAINAGE CATCH BASINS AND STRUCTURES SHALL BE PRECAST CONCRETE AS MANUFACTURED BY U.S. PRECAST CORPORATION OR APPROVED EQUIVALENT.
  - 5. PROVIDE A MINIMUM PROTECTIVE COVER OF 24 INCHES OVER STORM SEWER AND VOID UNNECESSARY CROSSING BY HEAVY CONSTRUCTION VEHICLES DURING CONSTRUCTION.
  - 6. THE CONTRACTOR SHALL PROTECT COMPLETED DRAINAGE STRUCTURES FROM SLIT AND CONSTRUCTION DEBRIS. PLACE PLYWOOD ON OR FILTER FABRIC BETWEEN THE FRAME AND INLET GRAVE UNTIL CONSTRUCTION OPERATIONS ARE FINISHED.
- B. MATERIALS AND INSTALLATION:
  - 1. ALL WORK WITHIN FOOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH FOOT SPECIFICATIONS.
- C. TESTING:
  - 1. DENSITY TESTS SHALL BE TAKEN BY AN INDEPENDENT TESTING LABORATORY, CERTIFIED BY THE STATE OF FLORIDA, WHERE DIRECTED OR SPECIFIED BY THE TOWN OF SURFSIDE OF PUBLIC WORKS DEPARTMENT, AND INSPECTION, ON FOOT.

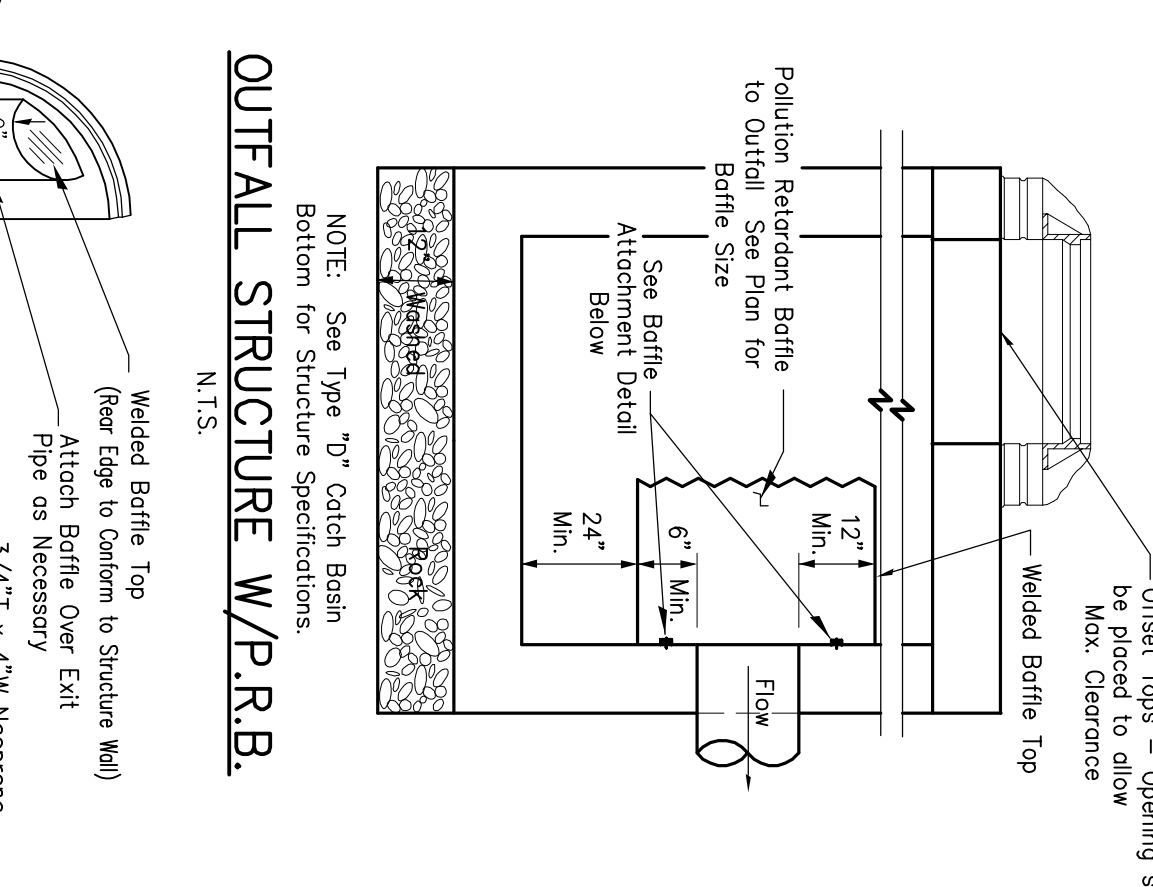
**IX. GENERAL NOTES:**

A. THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) IS NOT RESPONSIBLE FOR MAINTENANCE OF THE PROPOSED PAVEMENT TO BE CONSTRUCTED WITH IN THE FOOT RIGHT-OF-WAY. THE TOWN OF SURFSIDE AGREES TO MAINTAIN THE PAVEMENT WITHIN THE FOOT RIGHT-OF-WAY AS PART OF THE 50TH STREET STREETScape IMPROVEMENT PROJECT.

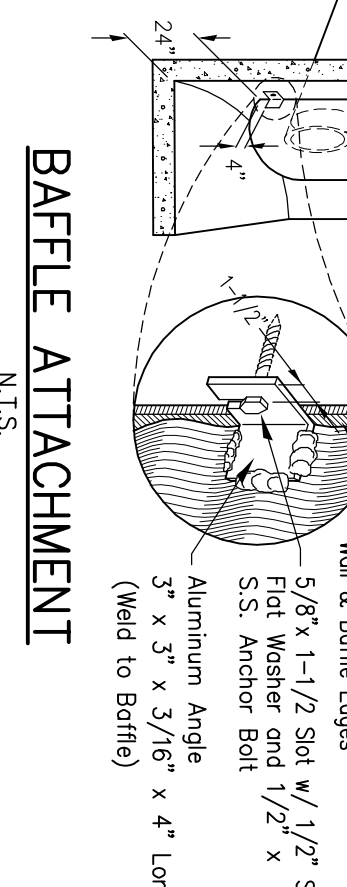


**TYPE "D" CATCH BASIN & REINFORCING BAR DIMENSION SCHEDULE**

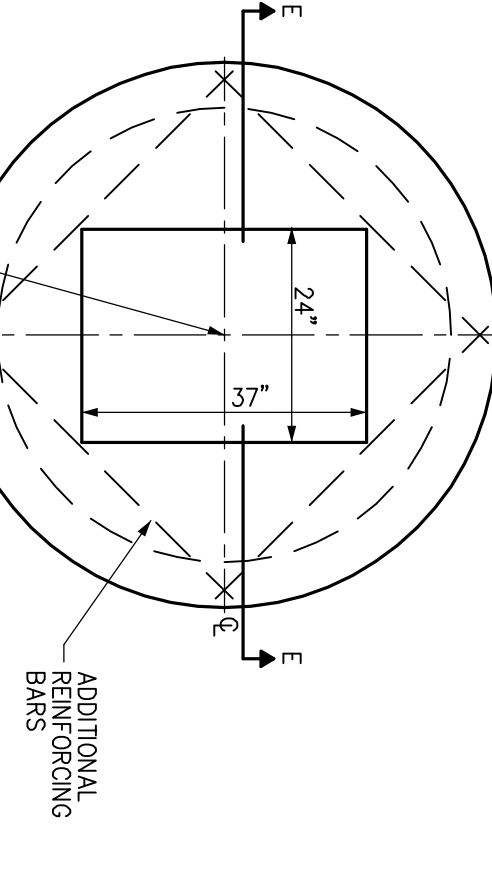
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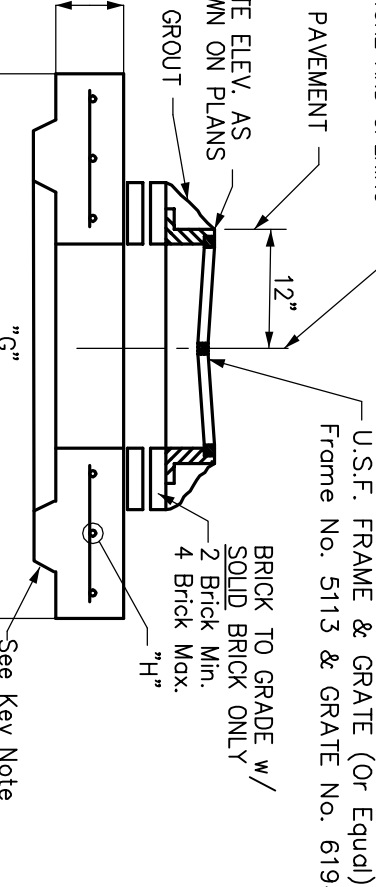
**OUTLET STRUCTURE W/P R.B.**



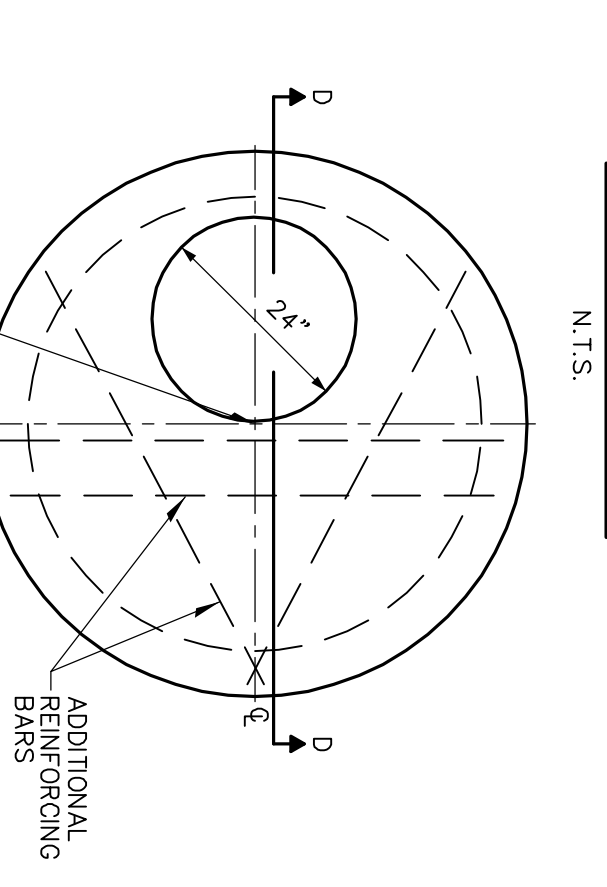
**BAFFLE ATTACHMENT**



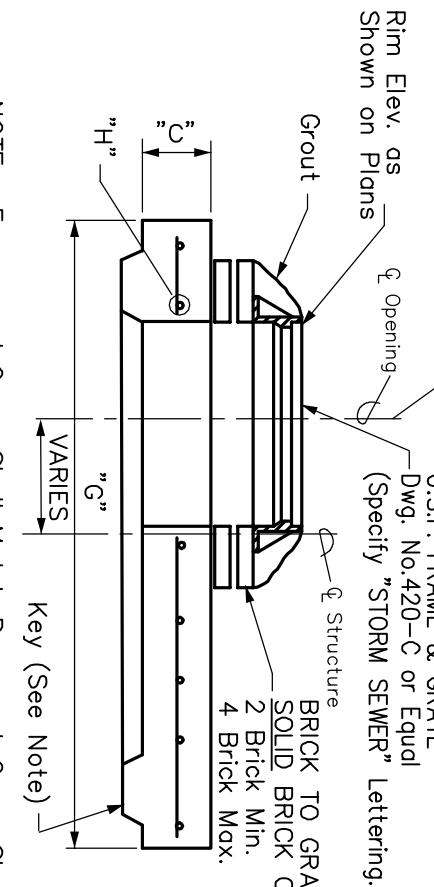
**SECTION E-E**



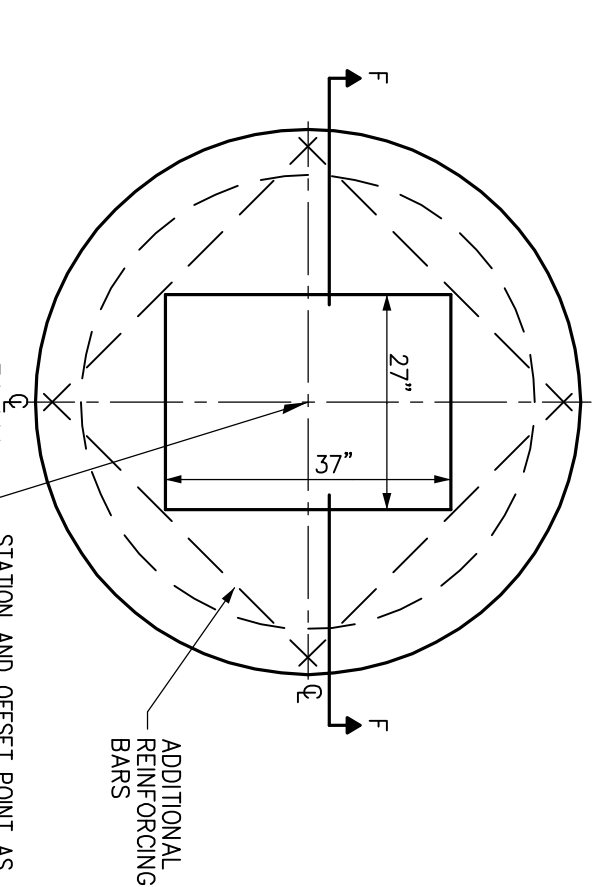
**TYPE I.D.V. TOP**



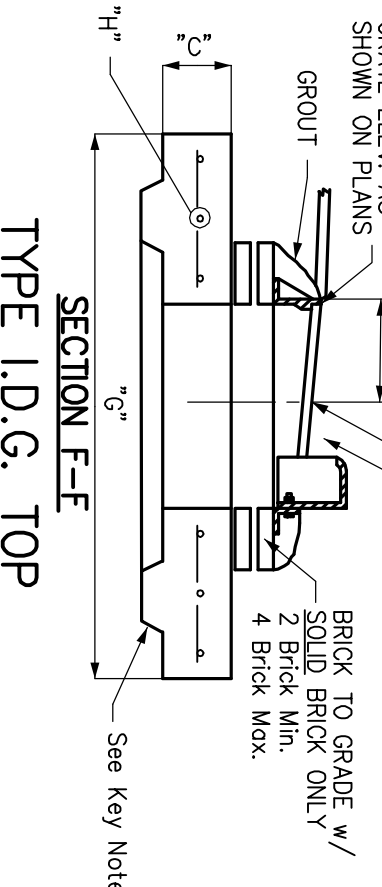
**SECTION D-D**



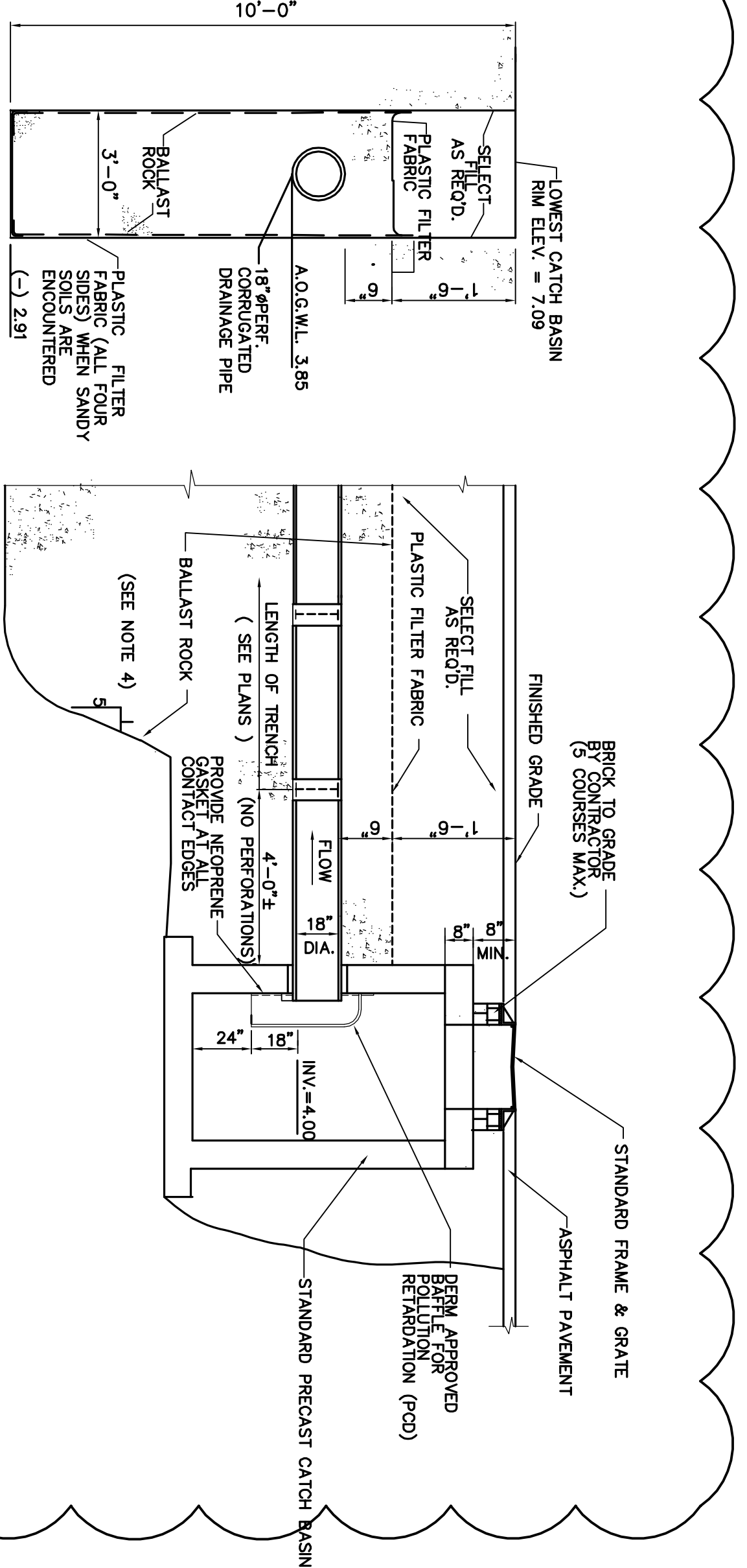
**OFFSET MANHOLE TOP (OS MH)**



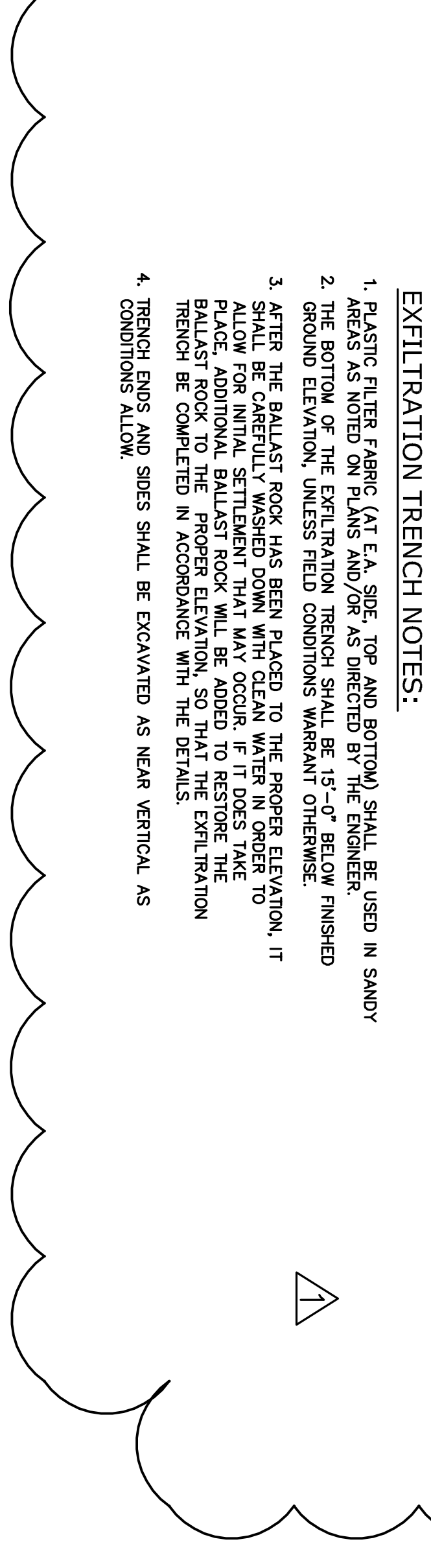
**SECTION E-E**



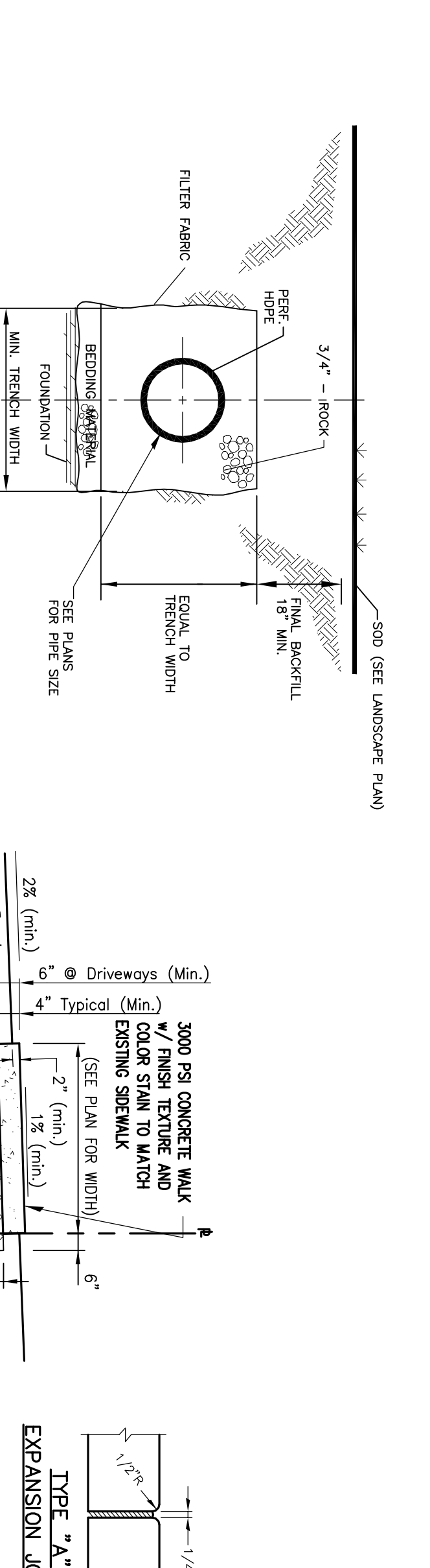
**SECTION I.D.G. TOP**



**TRANSVERSE SECTION EXFILTRATION TRENCH**



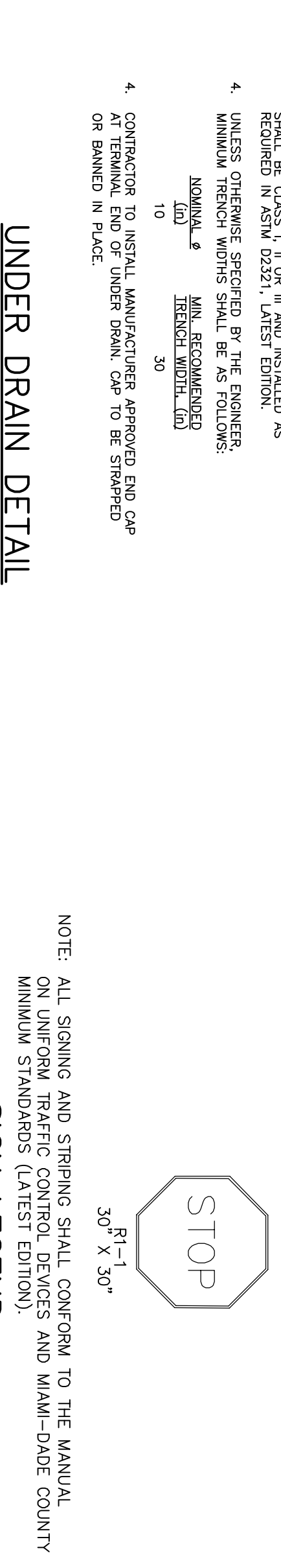
**EXFILTRATION TRENCH DETAIL**



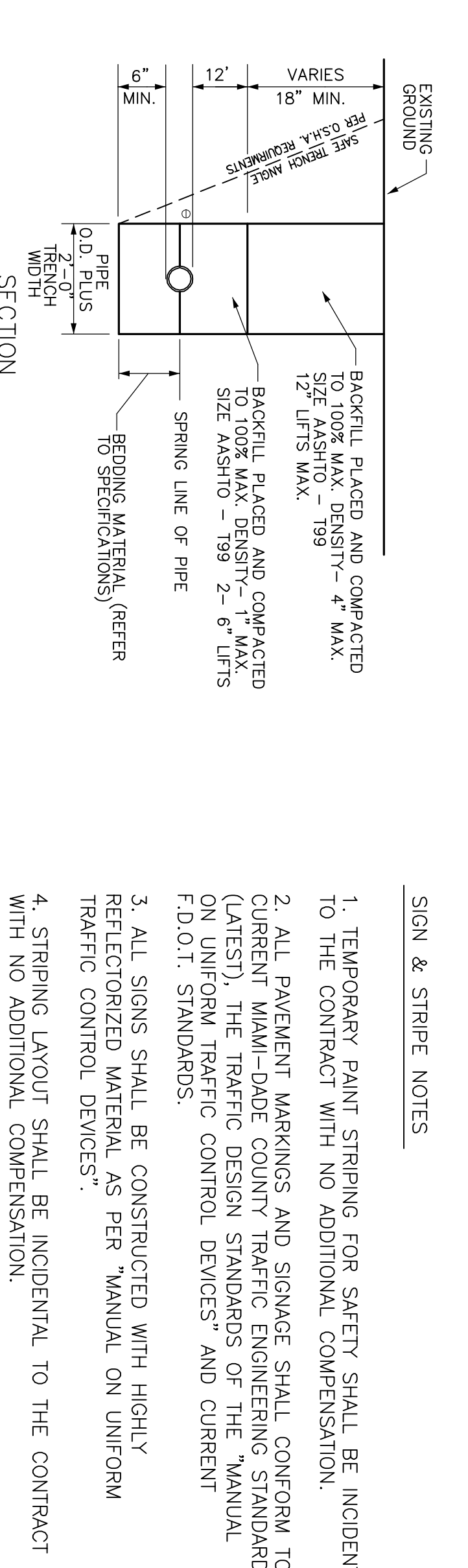
**TYPICAL UNDER-DRAIN CROSS-SECTION**



**CONCRETE SIDEWALK**



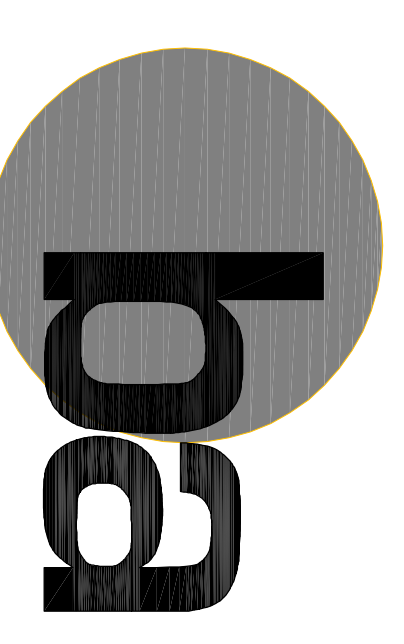
**STREET LEGEND**



**UNDER DRAIN DETAIL**



**TRENCH DETAIL**



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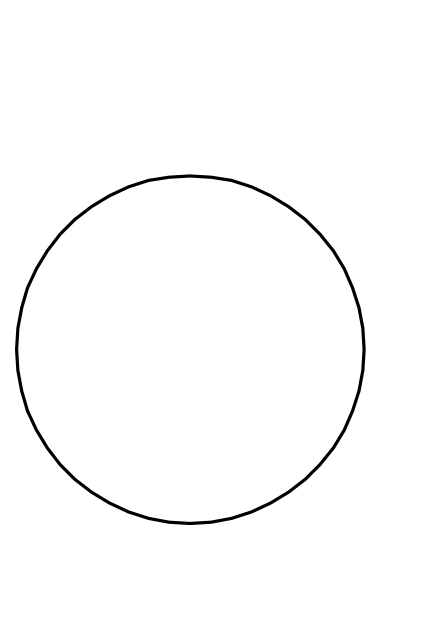


**PROJECT NAME:**  
 95th STREET STREETSCAPE IMPROVEMENT PROJECT

**PROJECT LOCATION:**  
 95th STREET EAST OF SR A1A/COLLINS AVENUE IN SURFSIDE, FLORIDA MIAMI-DADE COUNTY

**SUB-CONSULTANT INFORMATION:**

**PROFESSIONAL SEAL:**



**SUBMITTAL DESCRIPTION:**

**BIDDING**  
 FEBRUARY 19th, 2013

**REVISIONS:**  
 1 04/12/13 EXFILTRATION

**Project No. 12075.000**  
 Scale: N.T.S.  
 Date: FEBRUARY 1, 2013  
 Drawn: G.D.  
 Checked: B.B.  
 CAD File: 12075.000-StreetScapeImprovement.dwg

**DRAWING TITLE:**  
 PGD DETAILS

**SHEET NO.:**  
 C-3.0