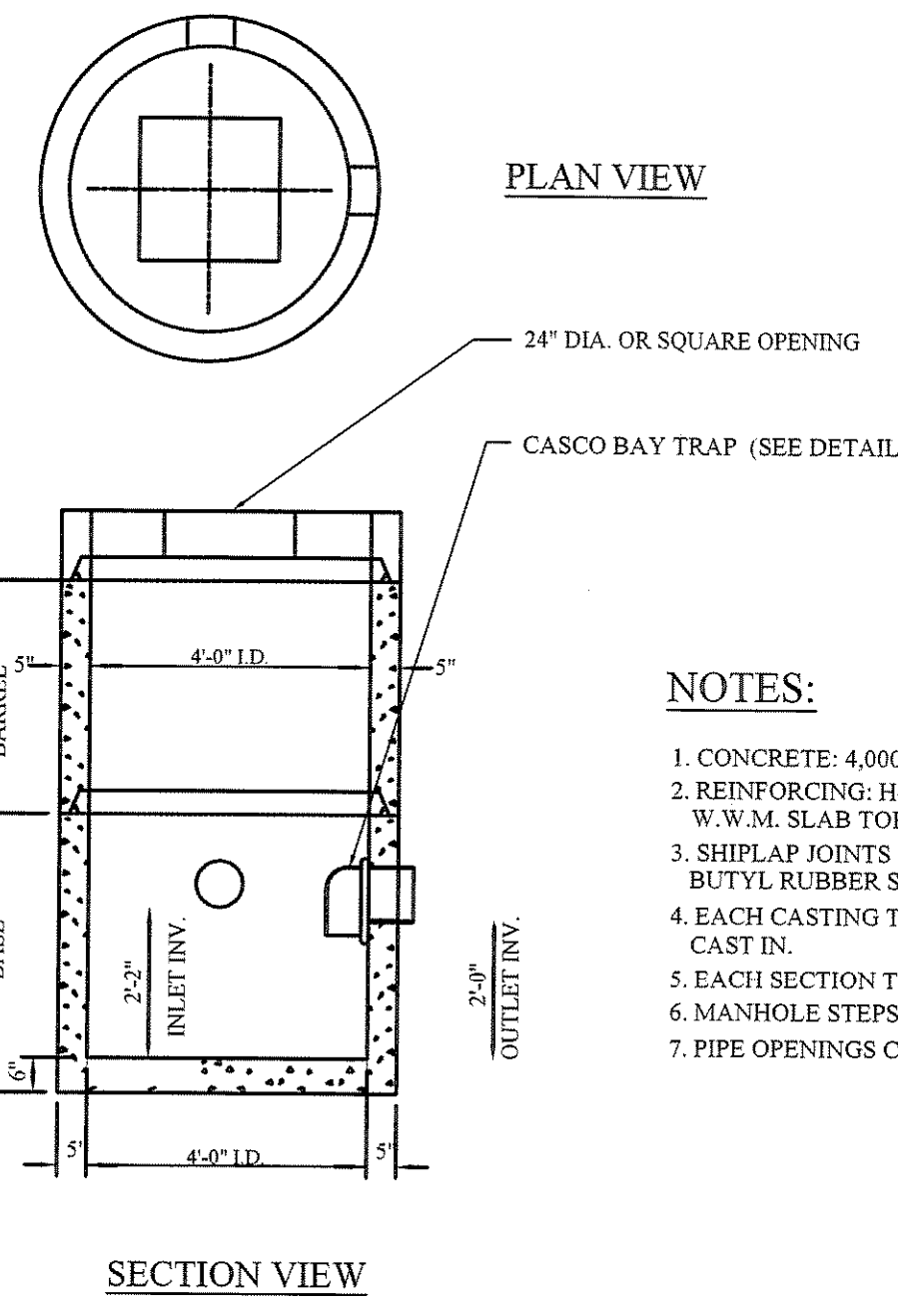


**Construction Specifications**

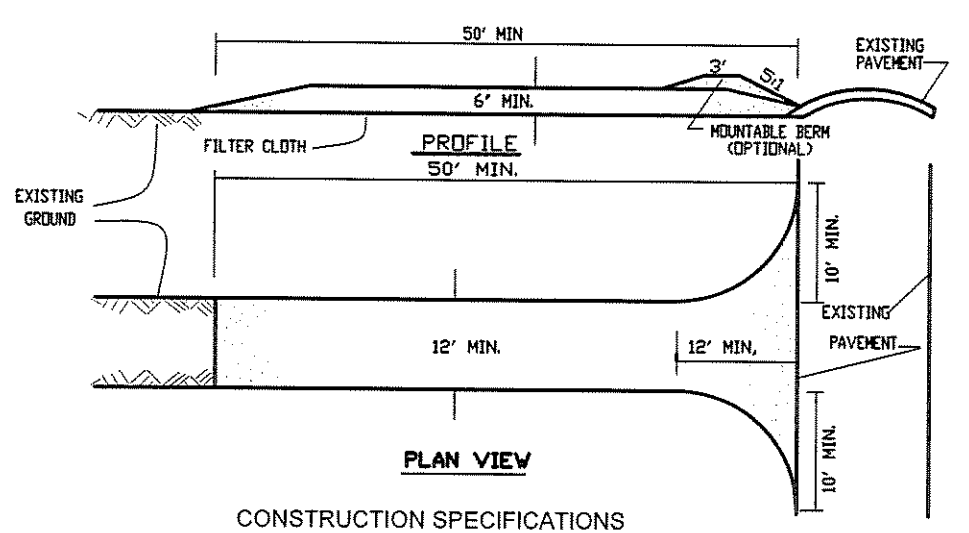
- Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum) cut, or 1 3/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighting not less than 1.00 pound per linear foot.
- Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:
 

|                       |                           |                |
|-----------------------|---------------------------|----------------|
| Tensile Strength      | 50 lbs/in (min.)          | Test: MSMT 509 |
| Tensile Modulus       | 20 lbs/in (min.)          | Test: MSMT 509 |
| Flow Rate             | 0.3 gal R / min/ft (max.) | Test: MSMT 322 |
| Filtration Efficiency | 75% (min.)                | Test: MSMT 322 |
- Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
- Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.



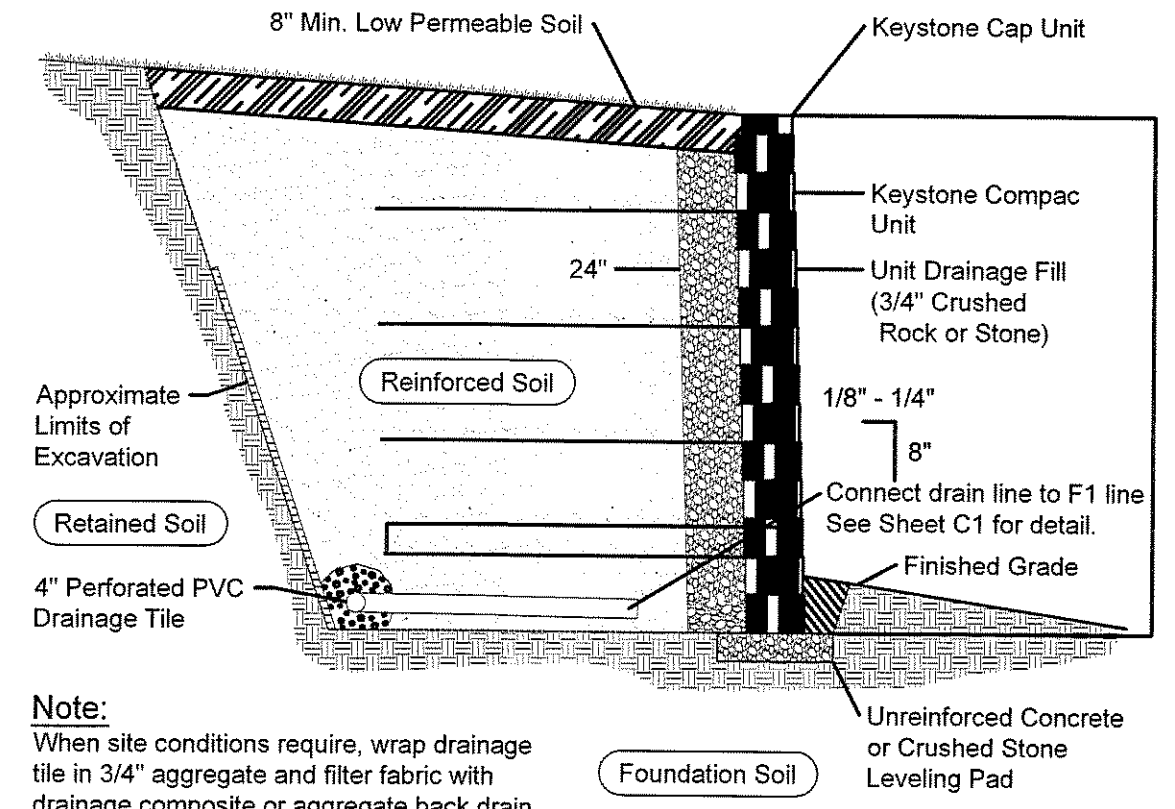
**NOTES:**

- CONCRETE: 4,000 PSI AFTER 28 DAYS.
- REINFORCING: H-20 LOADING 4 X 4 X 4 W.W.M. SLAB TOP - NO. 5S @ 8" O.C.
- SHOULDER JOINTS SEALED WITH 1 STRIP OF BUTYL RUBBER SEALANT.
- EACH CASTING TO HAVE LIFTING PINS CAST IN.
- EACH SECTION TO BE LABELED AS NOTED.
- MANHOLE STEPS @ 12" O.C. IF REQUIRED.
- PIPE OPENINGS CAST IN AS REQUIRED.



**CONSTRUCTION SPECIFICATIONS**

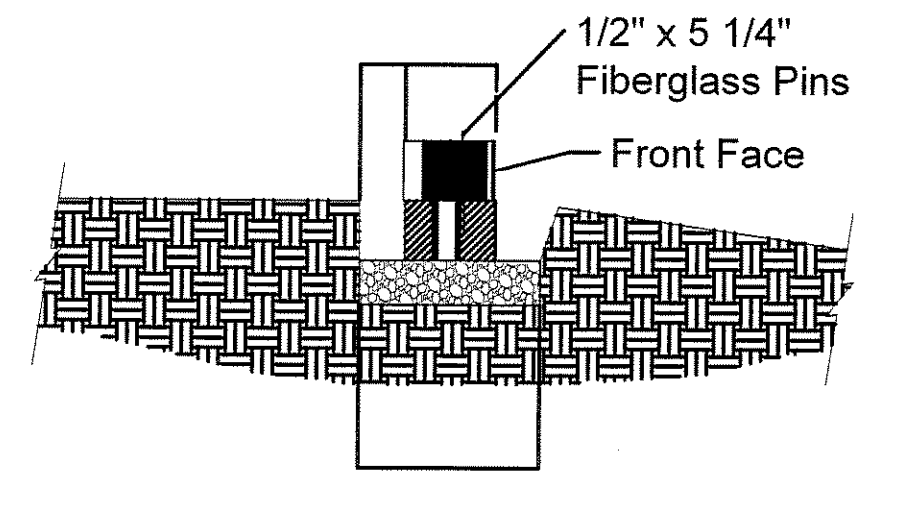
- STONE SIZE - USE 2" STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET.
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE HOUSES OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 4:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



**Note:**  
When site conditions require, wrap drainage tile in 3/4" aggregate and filter fabric with drainage composite or aggregate back drain system, as directed by geotechnical engineer.

**Note:**

- The leveling pad is to be constructed of crushed stone or 2000 psi ± unreinforced concrete.



**Section**

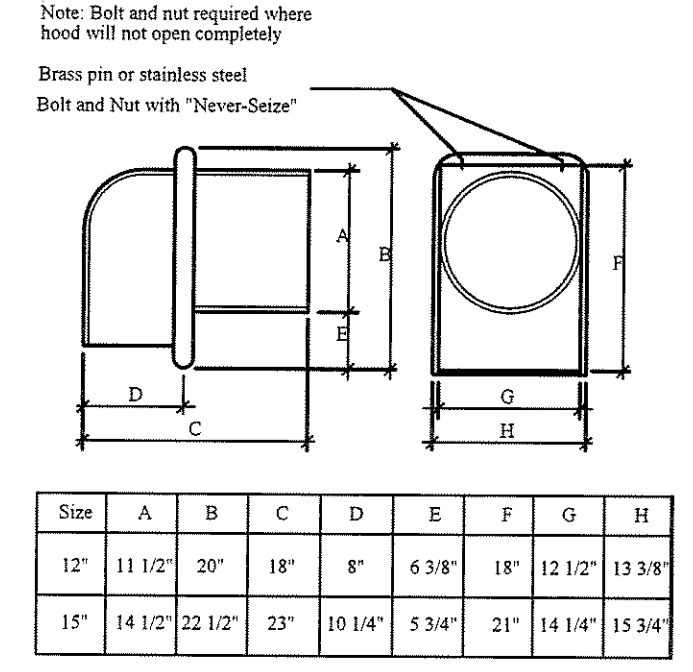
**1 SILT FENCE DETAIL**  
NOT TO SCALE

**3 CONCRETE CATCH BASIN DETAIL**  
NOT TO SCALE

**2 STABILIZED CONSTRUCTION ENTRANCE DETAIL**  
NOT TO SCALE

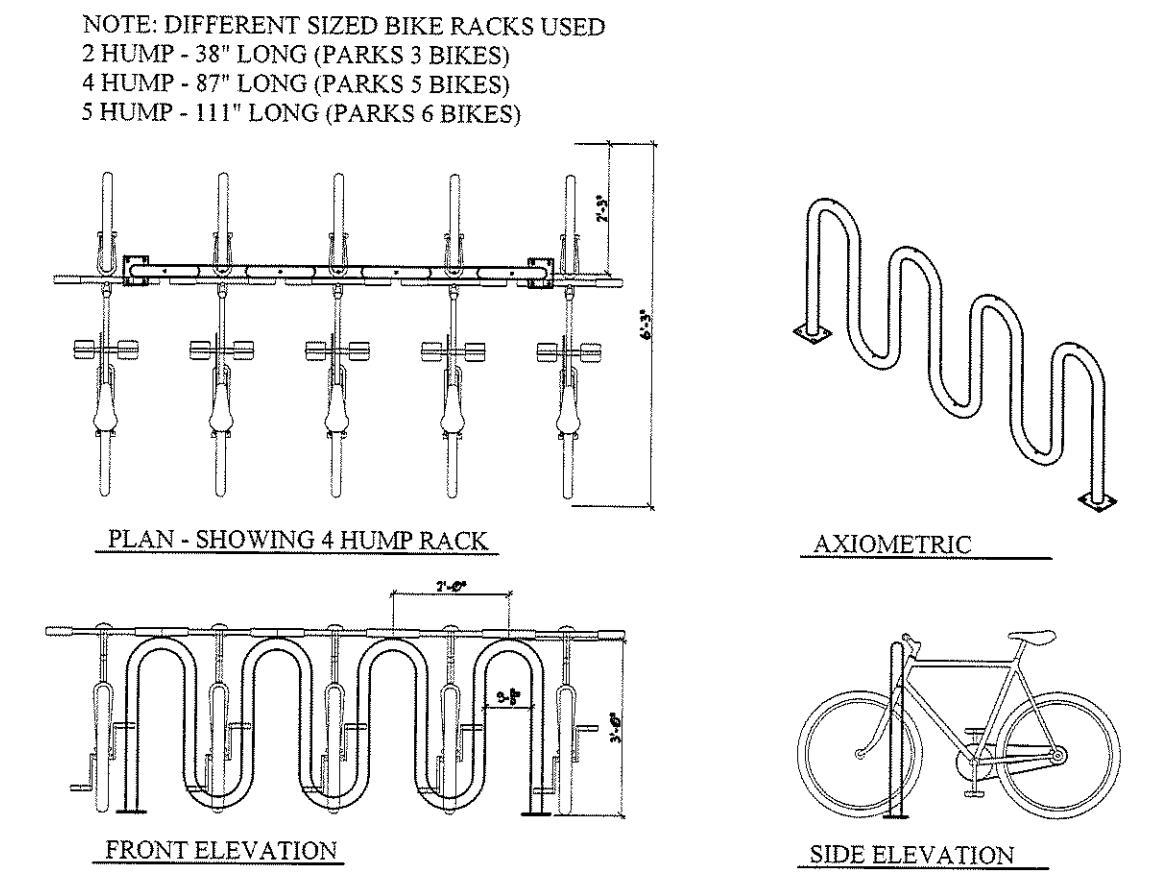
**5 TYPICAL REINFORCED WALL SECTION**  
Compac Unit - Near Vertical Setback

**6 LEVELING PAD DETAIL**  
NOT TO SCALE

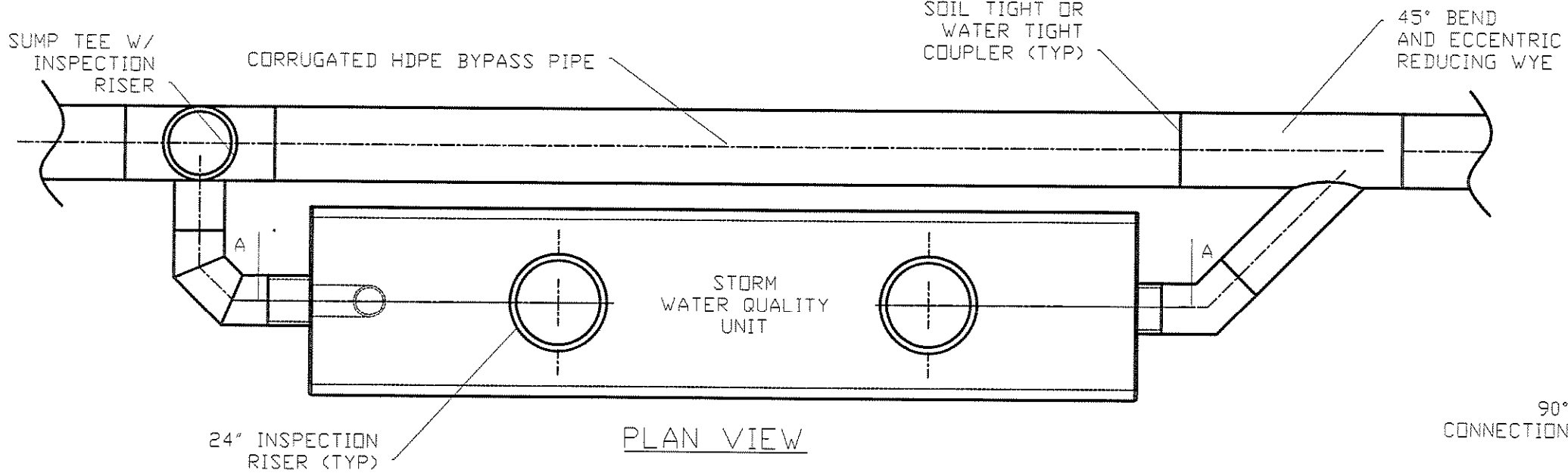


**NOTES:**  
1. THE CASCO BAY TRAP IS AN ETHERIDGE STYLE DESIGNED TO ELIMINATE CEMENTING OF THE TRAP. TO INSTALL, THE CASCO TRAP IS INSERTED INTO THE STORM DRAIN WITH THE HOOD DOWN.

**4 CASCO BAY TRAP DETAIL**  
NOT TO SCALE

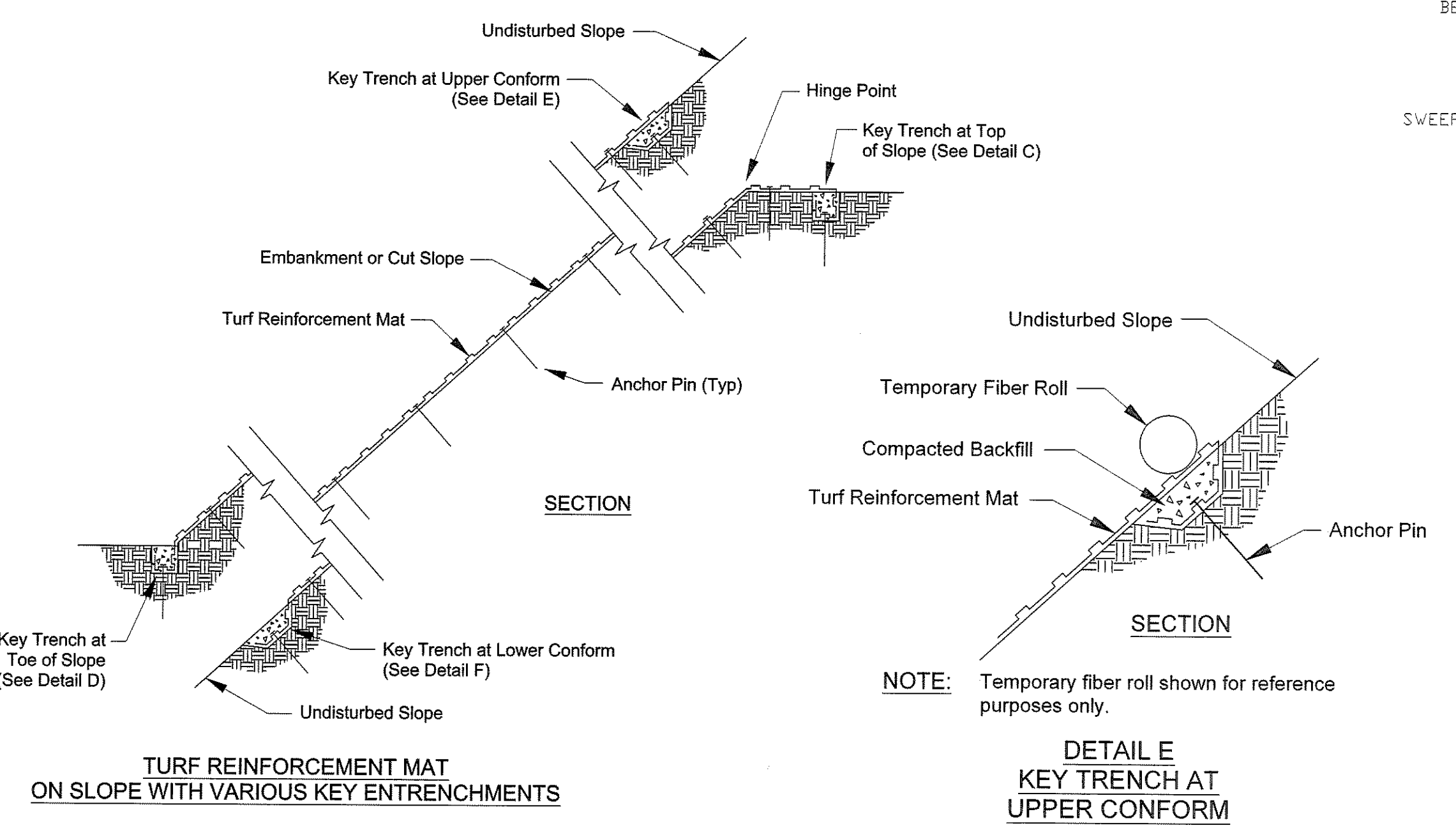


**9 BIKE RACK DETAILS**  
NOT TO SCALE

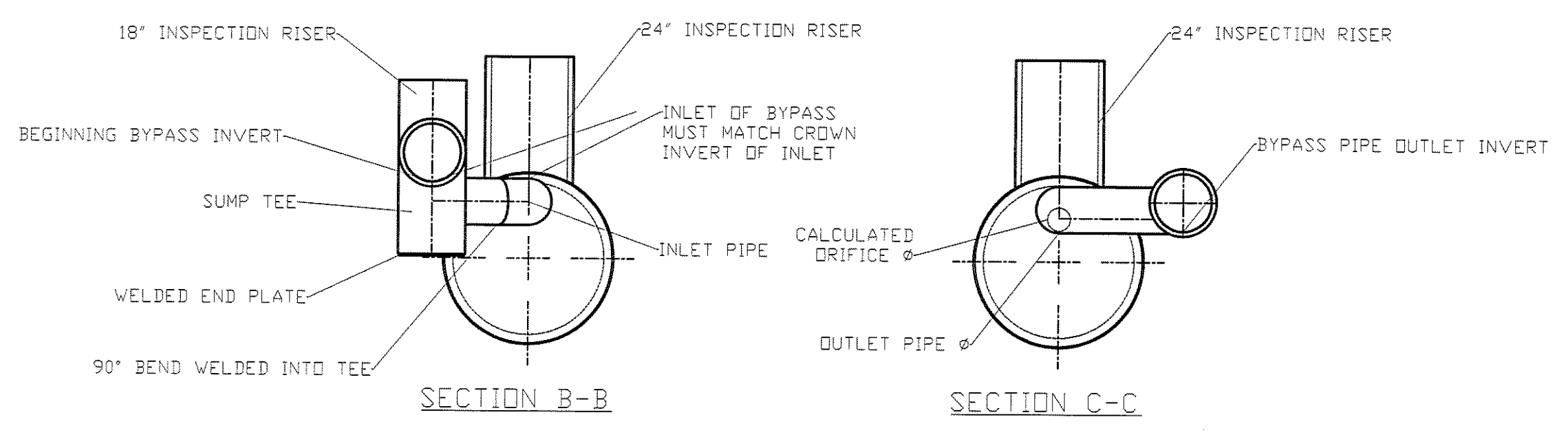
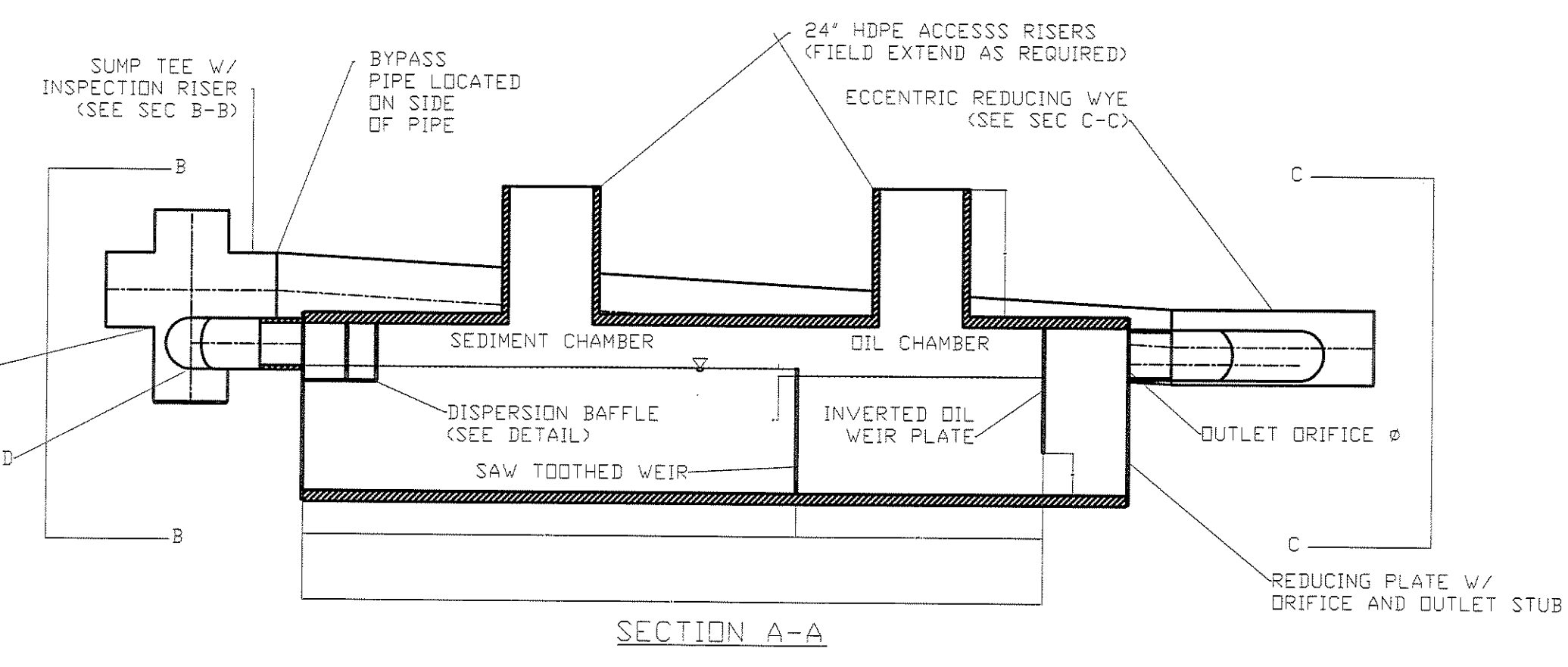


**BYPASS FITTINGS \***

(\* FITTING DIMENSIONS VARY WITH UNIT DESIGN, DIMENSIONS CAN BE PROVIDED ONCE DESIGN IS EVALUATED.

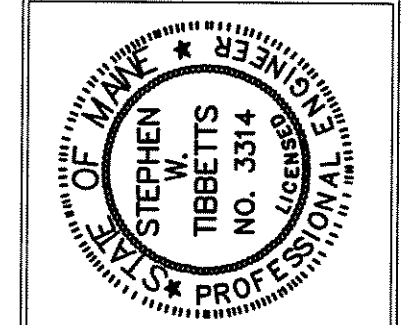


**8 LANDLOK TRM 450 DETAIL**  
NOT TO SCALE



**7 ADS WATER QUALITY UNIT DETAILS**  
NOT TO SCALE

- NOTES:**
- PLEASE ACCOUNT FOR FALL FROM THE BEGINNING BY-PASS INLET INVERT TO BY-PASS OUTLET INVERT. CONSULT YOUR SALES REPRESENTATIVE FOR THE SLOPE IN THE BY-PASS.
  - NYLOPLAST IN-LINE DRAIN AND GRATE MAY BE USED FOR SURFACE INLETS.
  - BY-PASS FITTINGS COUPLER CONNECTION SHALL UTILIZE THE SAME COUPLERS AS THE STORM SEWER LINE.
  - UNITS GREATER THAN 20 FEET WILL BE FIELD CONNECTED USING AN INLINE W/ BELL AND SPIGOT JOINT. PROPERLY LUBE THE BELL AND SPIGOT GASKET PRIOR TO ASSEMBLY.



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**Project:**  
53 DANFORTH STREET  
33 DANFORTH STREET  
PORTLAND, ME

**Date:** 30 MAY 2008  
**Scale:** AS NOTED  
**Revisions:**  
Revised Planning Submittal - 3 June 2008  
1 July 2008 - 90% MSHA Submittal  
15 July 2008 - Pricing Set  
25 July 2008 - 100% MSHA Submittal

**DETAILS**

**C3**