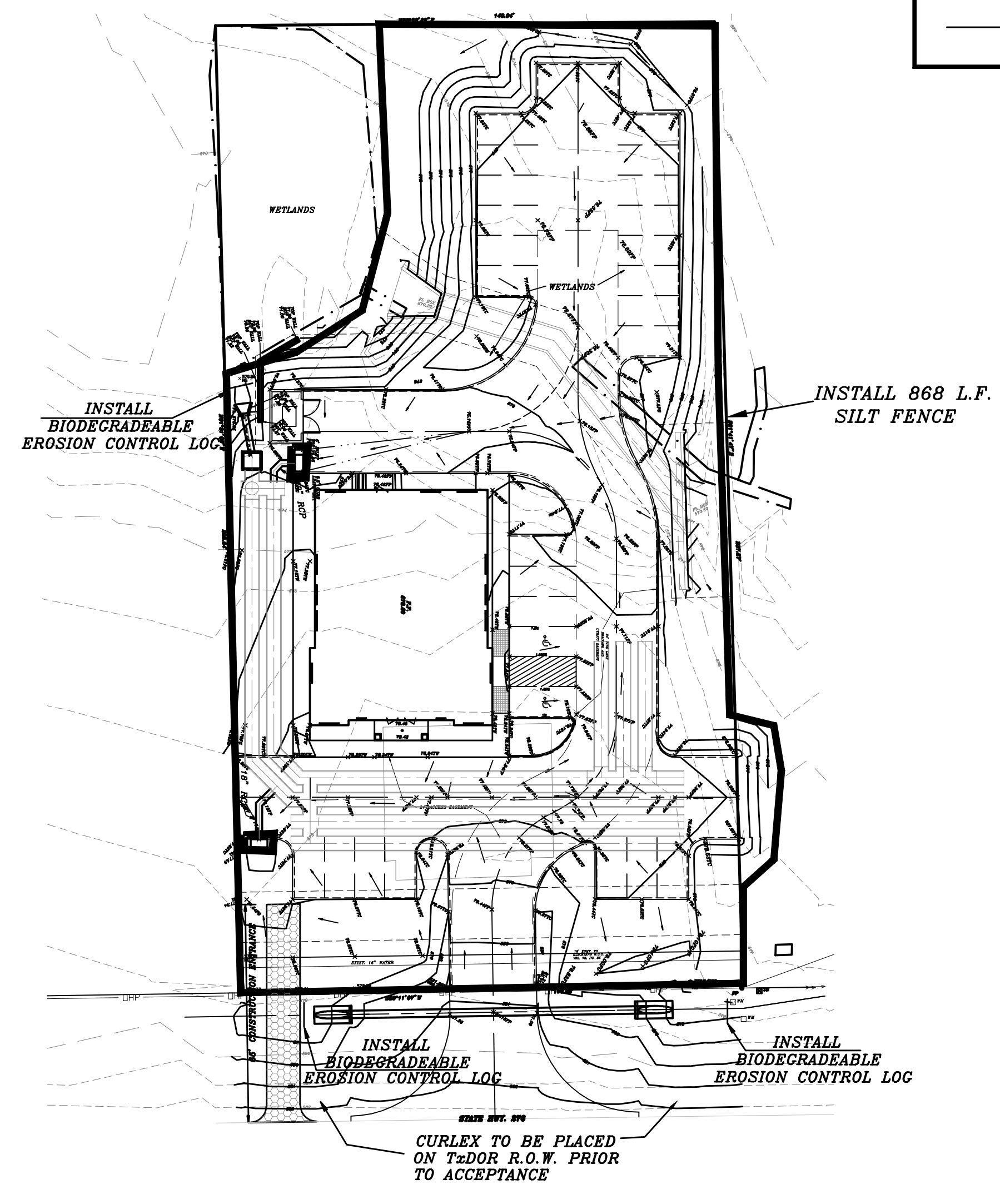
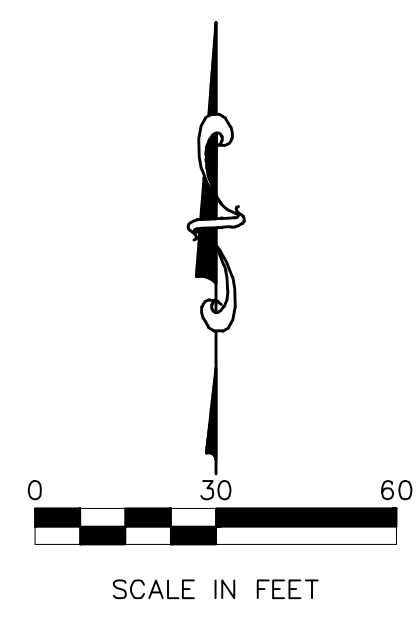


REVISED TO CONFORM TO CONSTRUCTION RECORDS.  
 DATE: JUNE 12, 2014



**STANDARDS FOR SILT FENCE**

**DEFINITION**  
 TEMPORARY BARRIER FENCE MADE OF BURLAP OR POLYPROPYLENE MATERIAL WHICH IS WATER PERMEABLE BUT WILL TRAP WATER - BORNE SEDIMENT.

**PURPOSE**  
 TO INTERCEPT AND DETAIN WATER - BORNE SEDIMENT FROM UNPROTECTED AREAS OF LIMITED EXTENT.

**CONDITIONS WHERE PRACTICE APPLIES**  
 SILT FENCE IS USED DURING THE PERIOD OF CONSTRUCTION NEAR THE PERIMETER OF A DISTURBED AREA TO INTERCEPT SEDIMENT WHILE ALLOWING WATER TO PERCOLATE THROUGH. THIS FENCE SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS PERMANENTLY STABILIZED. SILT FENCE SHOULD NOT BE USED WHERE THERE IS A CONCENTRATION OF WATER IN A CHANNEL OR OTHER DRAINAGE WAY.

**DESIGN CRITERIA**  
 A DESIGN IS NOT REQUIRED FOR THE INSTALLATION OF THE SILT FENCE. HOWEVER, THE FOLLOWING CRITERIA SHALL BE OBSERVED:

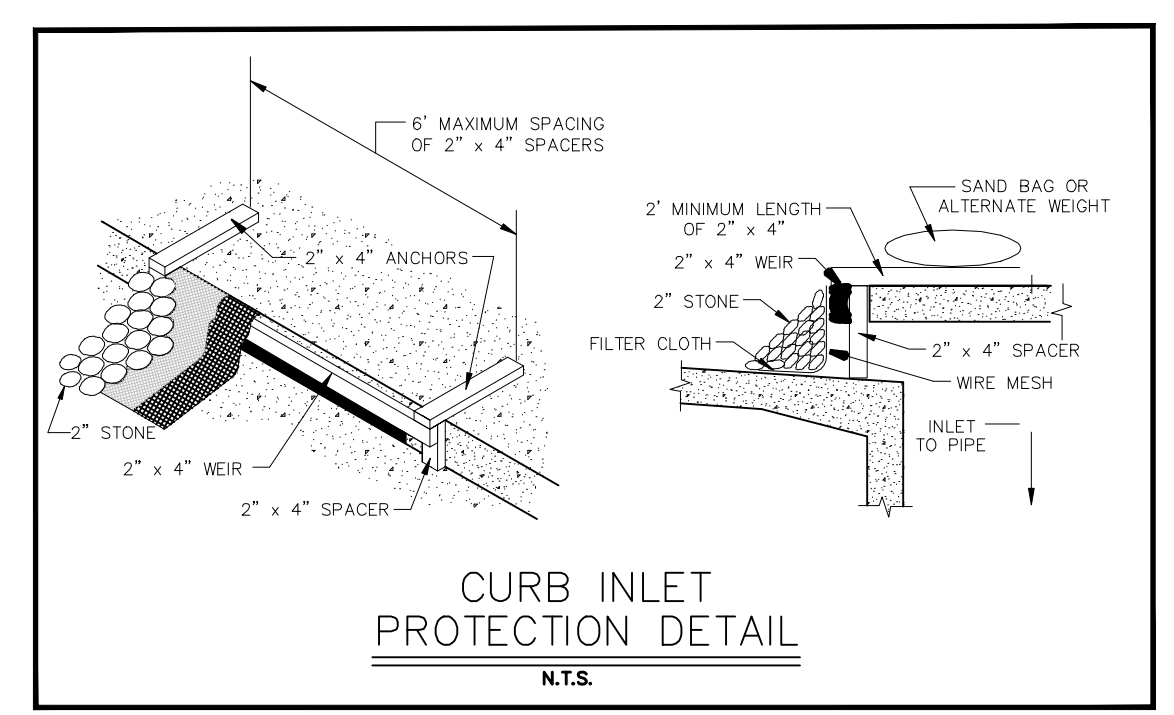
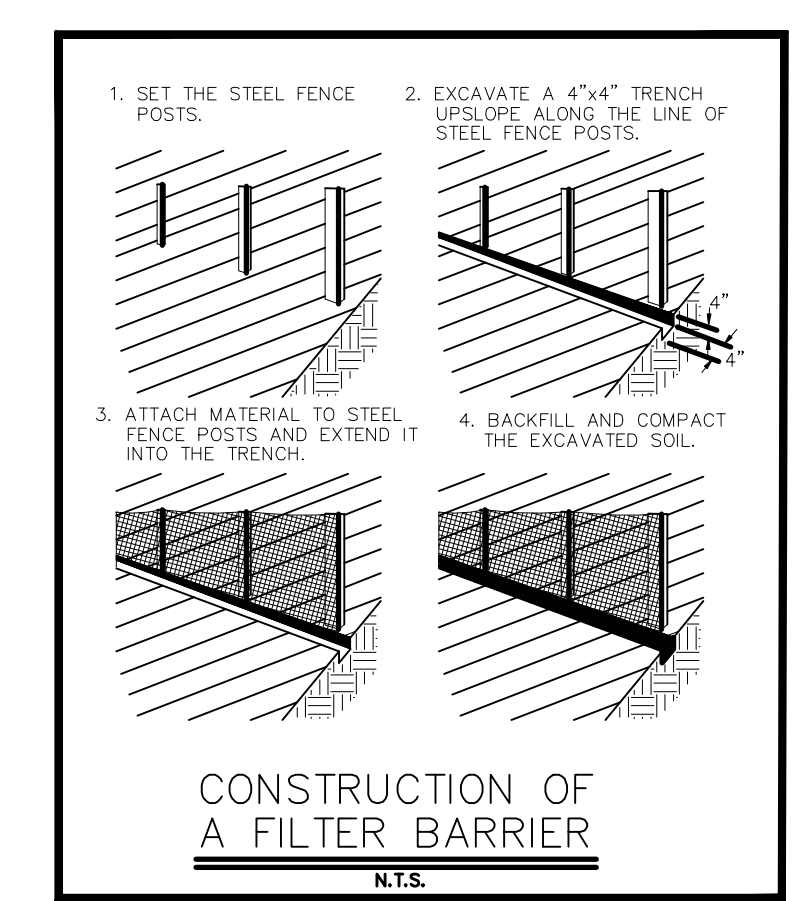
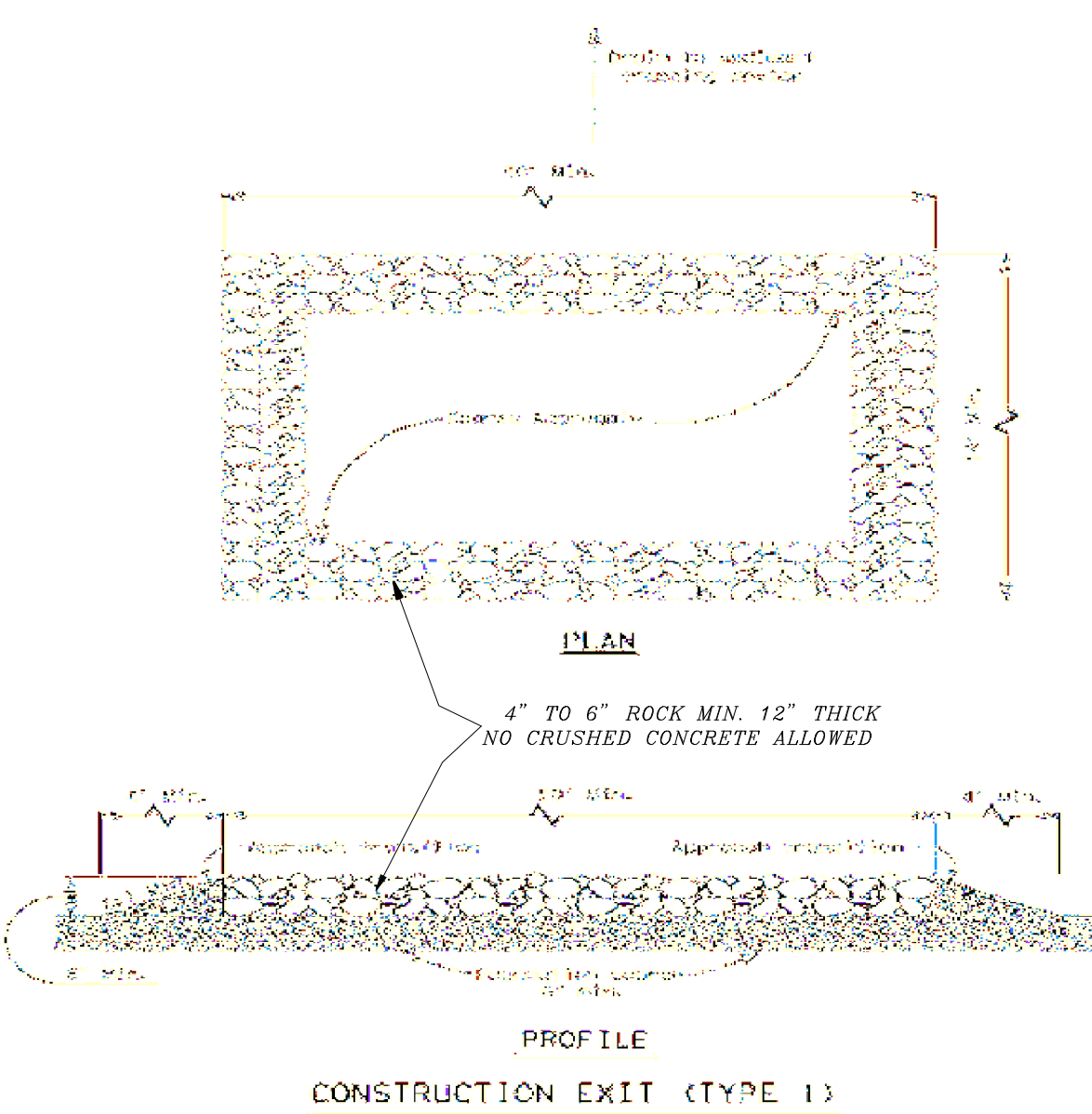
- DRAINAGE AREA - LESS THAN TWO ACRES
- HEIGHT - 30 INCHES MINIMUM HEIGHT MEASURED FROM EXISTING OR GRADED GROUND.
- MATERIAL - BURLAP, POLYPROPYLENE FABRIC, OR NYLON REINFORCED WITH POLYESTER NETTING. THE MULLEN BURST STRENGTH SHALL BE GREATER THAN 150 PSI. THE EDGES SHALL BE TREATED TO PREVENT UNRAVELING.
- SUPPORT - STEEL FENCE POSTS SPACED A MAXIMUM OF 8 FEET APART. WOVEN WIRE WILL BE USED TO SUPPORT THE MATERIAL.

**OUTLET**  
 SILT FENCE SHALL BE PLACED AND CONSTRUCTED IN SUCH A MANNER THAT RUNOFF FROM A DISTURBED SURFACE OR EXPOSED UPLAND AREA SHALL BE INTERCEPTED, SEDIMENT TRAPPED, AND THE SURFACE RUNOFF ALLOWED TO PERCOLATE THROUGH THE STRUCTURE. SILT FENCE SHALL BE PLACED IN SUCH A MANNER THAT SURFACE RUNOFF WHICH PERCOLATES THROUGH WILL FLOW ONTO AN UNDISTURBED STABILIZED AREA OR STABILIZED OUTLET.

- NOTES:**
1. SHOULD WORK CEASE FOR A PERIOD OF 21 DAYS PERMANENT STABILIZATION SHALL BE INSTALLED.
  2. SHOULD THE CONTRACTOR STORE ANY FUEL OR OTHER HAZARDOUS MATERIAL ON-SITE THIS PLAN WILL BE MODIFIED TO REFLECT PROTECTION MEASURES.

**NOTE:**  
 DETENTION SHALL BE INSTALLED AND FUNCTIONING PRIOR TO ANY PAVING INCLUDING SLAB

**EROSION CONTROL DETAILS**



**WESTERN Installation Instructions - Logs and Wattles**

**Step 1 - Site Preparation**  
 Prepare site to design profile and grade. Remove debris, rocks, clods, etc. Ground surface should be smooth prior to installation to ensure log remains in contact with slope.

**Step 2 - Stake Selection**  
 At a minimum, 1" long by 1/4" stakes are to be used to secure the log to the ground surface. Installation in rocky, sandy or other loose soil may require longer stakes.

**Slope Installation**  
 Place RECP along slope to provide upstream and downstream apron for log. Secure RECP according to standard slope installation instructions including upstream anchor trench. Secure log to blanket, ensuring log remains in intimate contact with the RECP over the length of the installation. A minimum of one foot upstream apron and two feet of downstream apron are required for installation. Subsequent, downslope rows of logs should be spaced appropriately for site conditions to minimize acceleration of flow. Further, log seams are to be offset to ensure continuous filtration. Figure A presents a schematic of a slope installation in profile view.

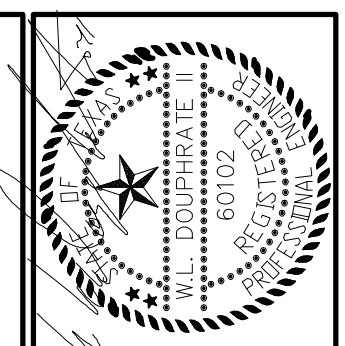
**Channel Installation**  
 Place RECP along channel to provide upstream and downstream apron for log installation. Secure log to blanket, ensuring log remains in intimate contact with the RECP over the length of the installation. Subsequent, downstream rows of logs should be spaced appropriately for site conditions to minimize acceleration of flow. Further, log seams are to be offset to ensure continuous filtration. Figure B presents a schematic of channel installation.

**Drain Filter Installation**  
 Surround drain inlet to be protected with log, ensuring seams are overlapped to minimize flow circumventing log. Secure logs to ground surface ensuring the log remains in intimate contact with the ground surface over the entire installation. Provide RECP apron secured to the ground surface between drain and log.

**Figure A - Profile View Slope Installation**  
 Shows a log on a slope with a RECP apron and a minimum stake in the ground, 12" long.

**Figure B - Cross Section View Channel Installation**  
 Shows a log in a channel with a RECP apron, drain grate, sediment control log, and backfill.

**Figure C - Plan View Drain Filter**  
 Shows a plan view of a drain filter with a RECP apron.



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY THE STATE OF TEXAS, DEPARTMENT OF TRANSPORTATION, NO. 60102, F-686, ON DATE, MAY 19, 2014.

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**EROSION CONTROL PLAN**  
**LOT 1, BLOCK A**  
**PEAR PEDI MEDICAL OFFICE**  
**J.M. ALLEN SURVEY, ABST. 2**  
**CITY OF ROCKWALL**  
**ROCKWALL COUNTY, TEXAS**

CITY REVIEW 6-12-14  
 REVISION

WLD.  
 CHECKED

G.C.W.  
 DRAWN

SCALE  
 1" = 30'  
 1" = 5'  
 DATE

JUNE 12, 2014

PROJECT

13029

10 OF 10