

NO.	DATE	DESCRIPTION

CONTRACT DATE:	-----
BUILDING TYPE:	EXP. LT. MED-40
PLAN VERSION:	x
SITE NUMBER:	309797
STORE NUMBER:	420630

**TACO BELL**

20711 SO. DIXIE HWY  
 CUTLER BAY, FL



Explorer Lite  
**POLLUTION PREVENTION DETAILS**

**C-6**

Best Management Practices

This plan has been prepared to ensure compliance with appropriate conditions of the Miami-Dade County Land Development Regulations, the Rules of the Florida Department of Environmental Protection, Chapter 17-25, F.A.C.. The plan addresses the following areas:

1. Protection of preserved/conserved wetland habitats during construction.
2. Protection of preserved/conserved upland habitats during construction.
3. General erosion control.
4. Protection of surface water quality during and after construction.
5. Control of wind erosion.

The various techniques or actions identified under each section indicate the appropriate situation when the techniques should be employed. Also identified is a cross-reference to a diagram or figure representing the technique.

It should be noted that the measures identified on this plan are only suggested BMP(s). The contractor shall provide pollution prevention and erosion control measures as specified in FDOT Index #100 and as necessary for each specific application.

**SECTION 1 PROTECTION OF PRESERVED/CONSERVED WETLAND HABITATS DURING CONSTRUCTION**

1.1 Wetland habitat protection BMPs shall be utilized for any development parcel which contains or abuts a preserved wetland and/or for any parcel which contains or abuts a mitigated wetland.

1.2 Preserved wetlands shall be protected prior to the start of site-work construction. Protection shall consist of a silt barrier constructed along the entire perimeter of the preserved wetland as shown in Figure 1. The silt barrier shall be constructed along the outer edge of the required 30 foot buffer adjoining preserved wetlands. The silt barrier may be either a silt fence as shown in Figure 2 or hay bales as shown in Figure 3.

1.3 Mitigated wetlands shall be protected as soon as practical after their construction. Protection shall be the same as for preserved wetlands.

1.4 Silt barriers used for wetland protection shall remain in place for the duration of any site-work or building construction located in the vicinity of the wetland. Silt barriers erected during development shall be designed and maintained to not impound intermittent standing water for more than 72 hours. Silt barriers, any silt which accumulates behind these barriers and any fill used to anchor the barriers shall be removed promptly after the end of the maintenance period specified for the barriers.

**SECTION 2 PROTECTION OF PRESERVED/CONSERVED UPLAND HABITATS**

2.1 Barricades shall be placed around all protected (preserved) habitats including mesic and uplands during development.

2.2 Silt barriers required for the protection of preserved habitats other than wetlands shall be constructed along the perimeter of the preserved area in accordance with implementation guidelines contained in Section 1.4.

**SECTION 3 GENERAL EROSION CONTROL**

3.1 General erosion control BMPs shall be employed to minimize soil erosion and potential lake slope cave-ins. While the various techniques required will be site and plan specific, they should be employed as soon as possible during construction activities.

3.2 Cleared site development areas not continually scheduled for construction activities shall be covered with hay or over-seeded and periodically watered sufficient to stabilize the temporary groundcover.

3.3 Slopes of banks of retention/detention ponds shall be constructed not steeper than 4H:1V from top of bank to two feet below normal water level as shown in Figure 5.

3.4 All gross slopes constructed steeper than 4H:1V shall be sodded as soon as practical after their construction as shown in Figure 8.

3.5 Sod shall be placed for a 3-foot wide strip adjoining all curbing and around all inlets as shown in Figure 9. Sod shall be placed before silt barriers, shown in Figure 6, are removed.

3.6 Where required to prevent erosion from sheet flow across bare ground from entering a lake or swale, a temporary sediment sump shall be constructed, as shown in Figure 10. The temporary sediment sump shall remain in place until vegetation is established on the ground draining to the sump.

**SECTION 4 PROTECTION OF SURFACE WATER QUALITY DURING AND AFTER CONSTRUCTION**

4.1 Surface water quality shall be maintained by employing the following BMPs in the construction planning and construction of all improvements.

4.2 Where practical stormwater shall be covered by swales. Swales shall be constructed as shown in Figure 5.

4.3 Erosion control measures shall be employed to minimize turbidity of surface waters located downstream of any construction activity. While the various measures required will be site specific, they shall be employed as needed in accordance with the following:

- a. In general erosion shall be controlled at the furthest practical upstream location.
- b. Stormwater inlets shall be protected during construction as shown in Figures 6 and 7. Protection measures shall be employed as soon as practical during the various stages of inlet construction. Silt barriers shall remain in place until sodding around inlets is complete.

4.4 Heavy construction equipment parking and maintenance areas shall be designed to prevent oil, grease, and lubricants from entering site drainage features including stormwater collection and treatment systems. Contractors shall provide brood dikes, hay bales or silt screens around, and sediment sumps within, such areas as required to contain spills of oil, grease or lubricants. Contractors shall have available, and shall use, absorbent filter pads to clean up spills as soon as possible after occurrence.

4.5 Silt barriers, any silt which accumulates behind the barriers, and any fill used to anchor the barriers shall be removed promptly after the end of the maintenance period specified for the barriers.

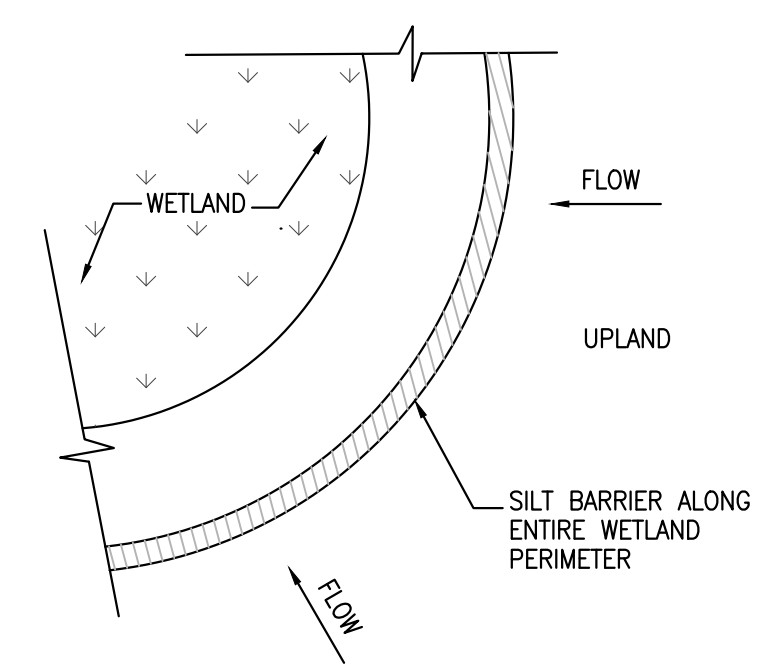
**SECTION 5 CONTROL OF WIND EROSION**

5.1 Wind erosion shall be controlled by employing the following methods as necessary and appropriate:

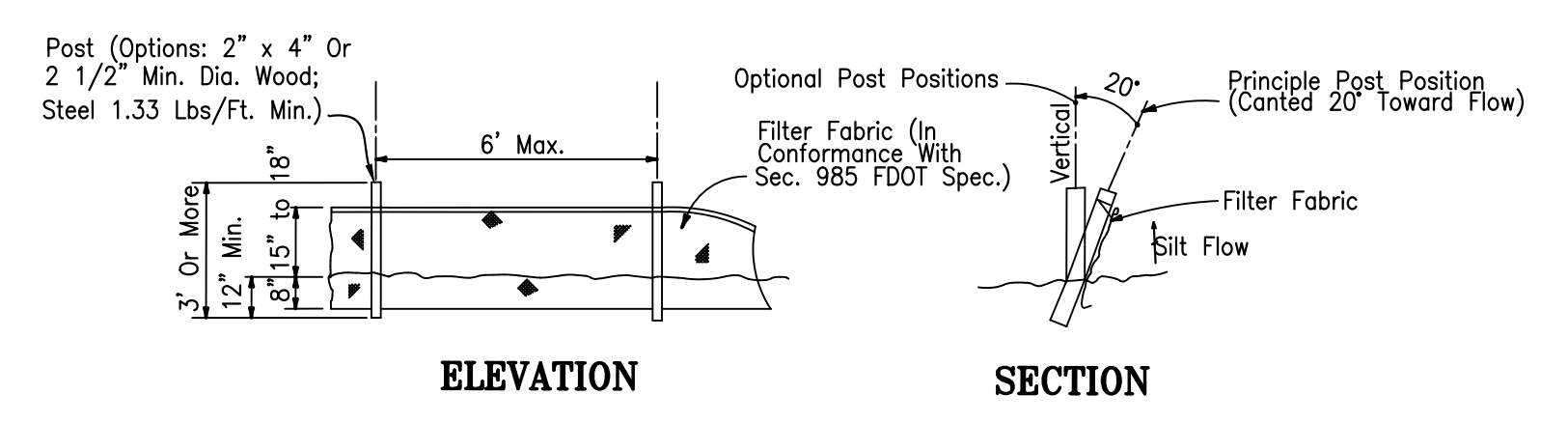
- a. Bare earth areas shall be watered during construction as necessary to minimize the transport of fugitive dust. It may be necessary to limit construction vehicle speed if bare earth has not been effectively watered. In no case shall fugitive dust be allowed to leave the site under construction.
- b. As soon as practical after completion of construction, bare earth areas shall be vegetated.
- c. At any time both during and after site construction that watering and/or vegetation are not effective in controlling wind erosion and/or transport of fugitive dust, other methods as are necessary for such control shall be employed. These methods may include erection of dust control fences. If required, dust control fences shall be constructed in accordance with the detail for a silt fence shown in Figure 2 except the minimum height shall be 4 feet.

**NOTES**

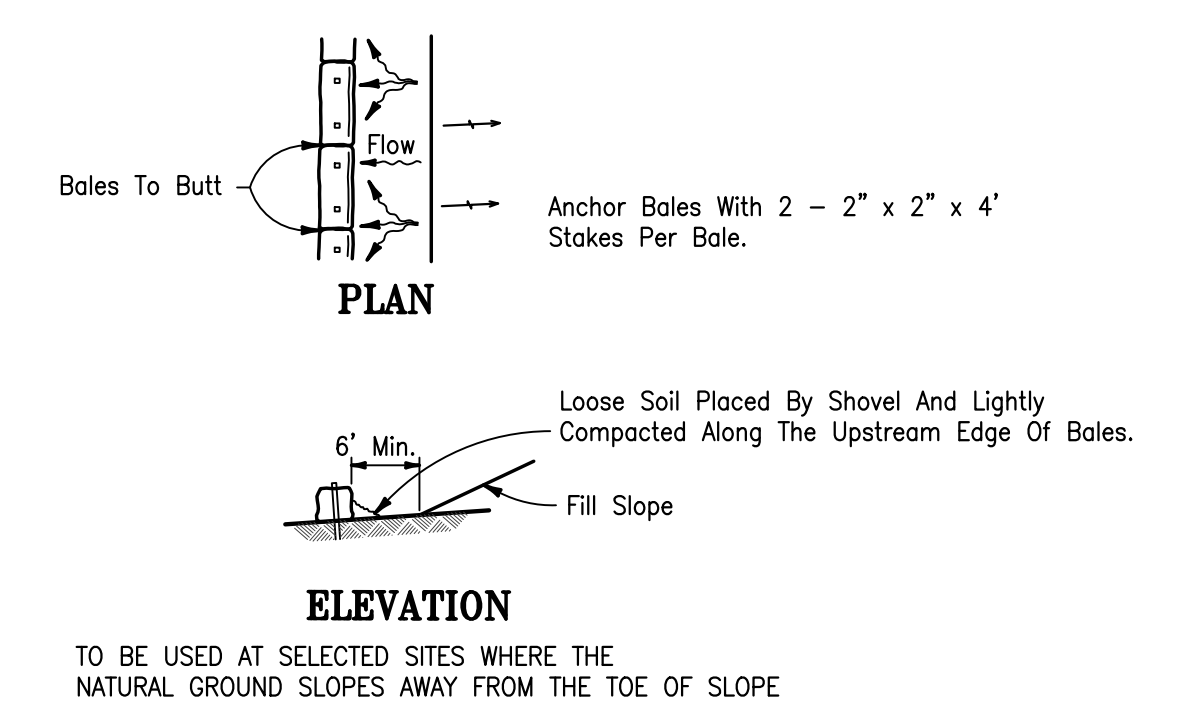
1. THE CONTRACTOR SHALL PROVIDE POLLUTION PREVENTION AND EROSION CONTROL MEASURES AS SPECIFIED IN FDOT INDEX #100 AND AS NECESSARY FOR EACH SPECIFIC APPLICATION



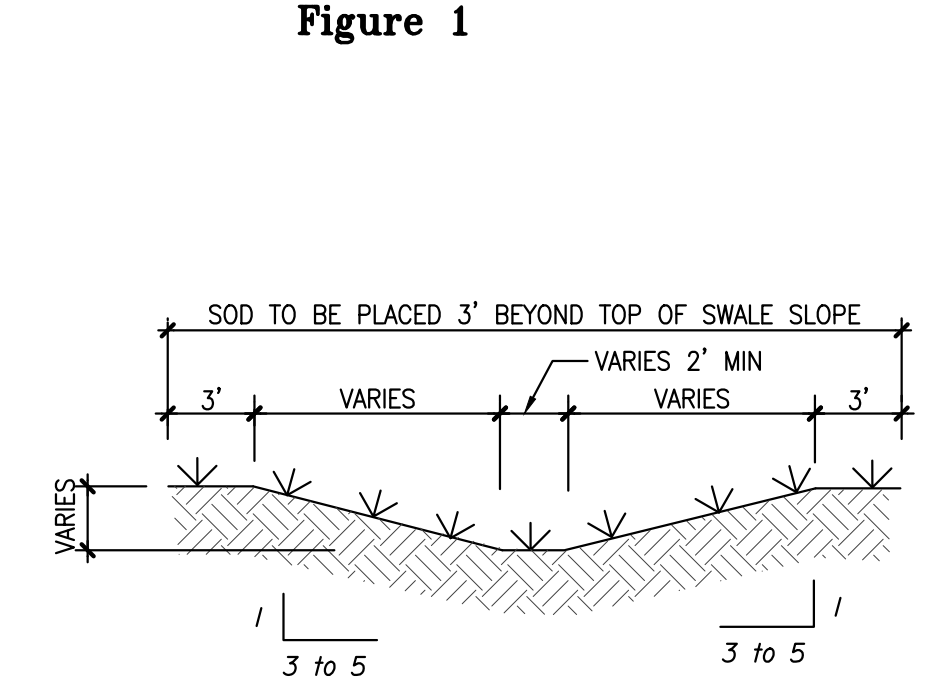
**SILT BARRIER**  
 Figure 1



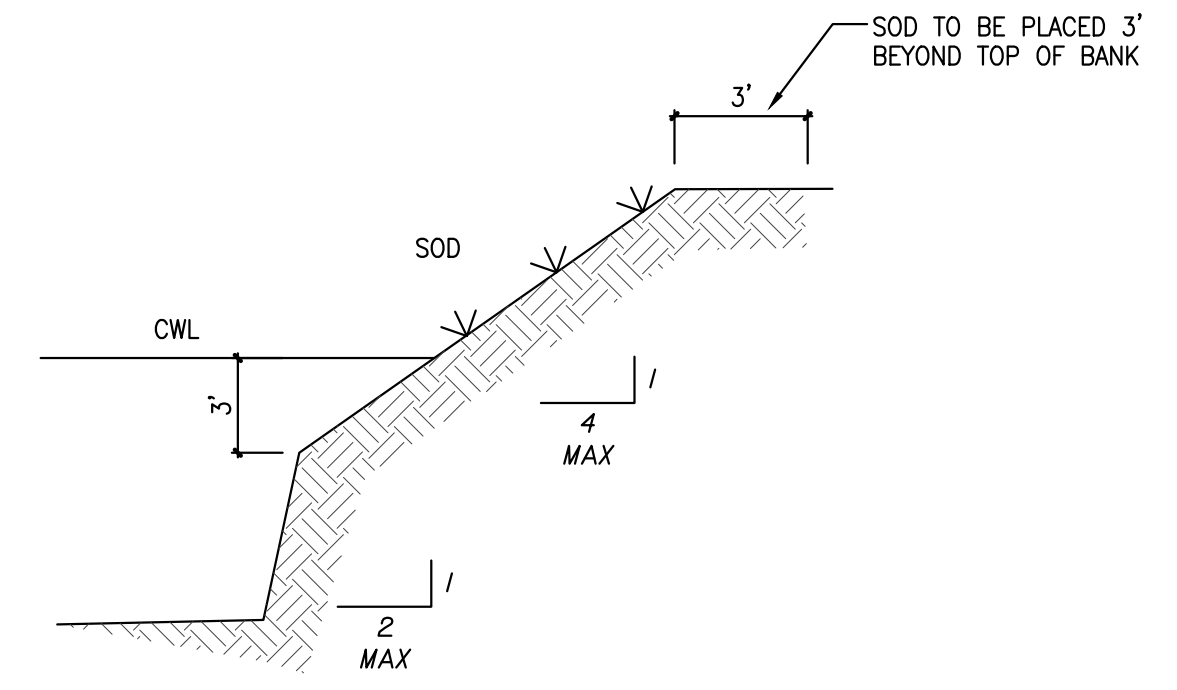
Note: Silt Fence to be paid for under the contract unit price for Staked Silt Fence (LF).  
**TYPE III SILT FENCE**  
 Figure 2



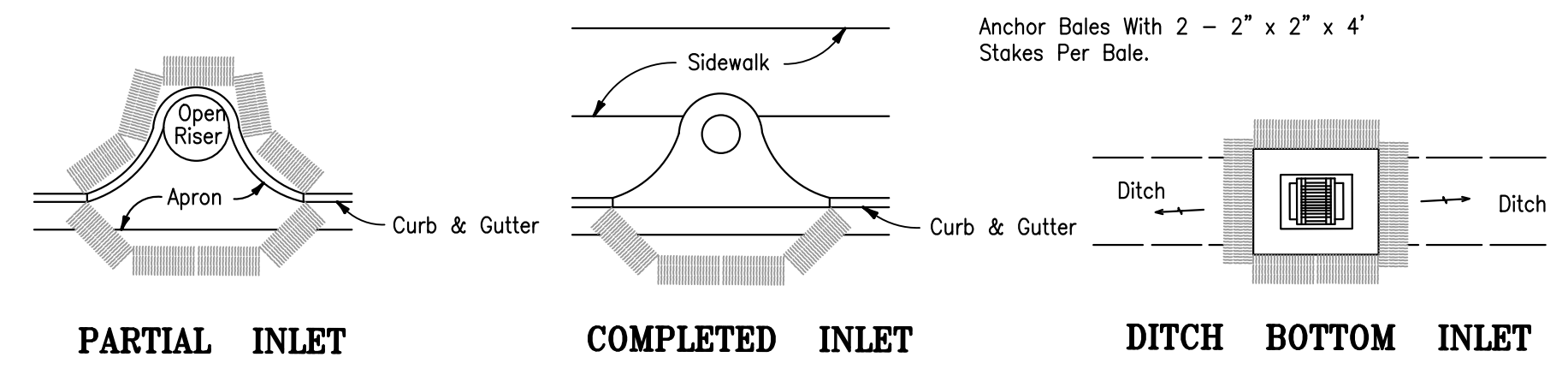
**BARRIERS FOR FILL SLOPES**  
 TO BE USED AT SELECTED SITES WHERE THE NATURAL GROUND SLOPES AWAY FROM THE TOE OF SLOPE



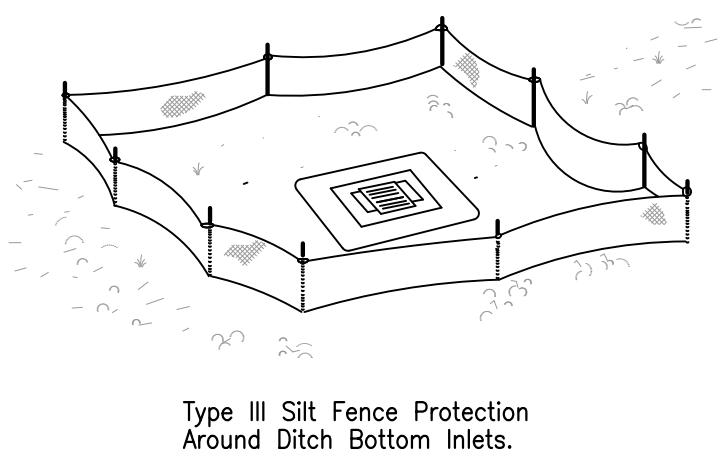
**TYPICAL SWALE SECTION**  
 Figure 4



**TYPICAL RETENTION/DETENTION POND SECTION**  
 Figure 5



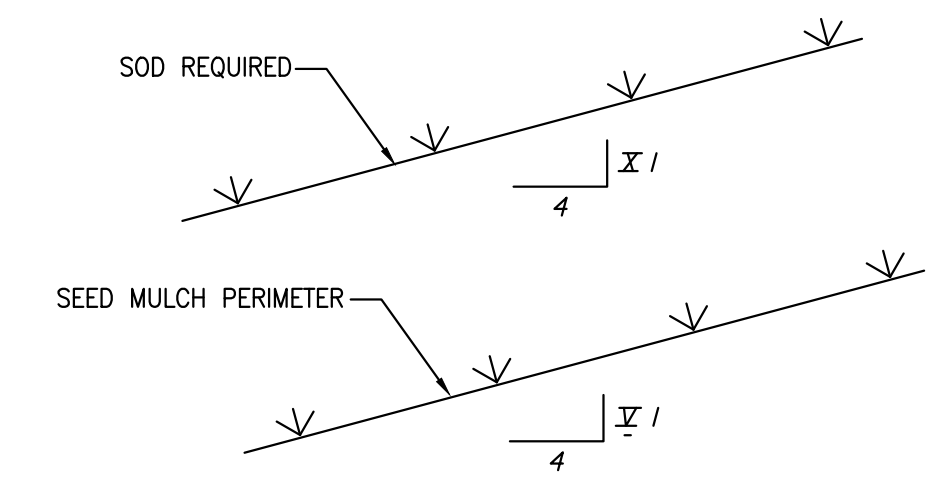
**PROTECTION AROUND INLETS OR SIMILAR STRUCTURES**  
 Figure 6



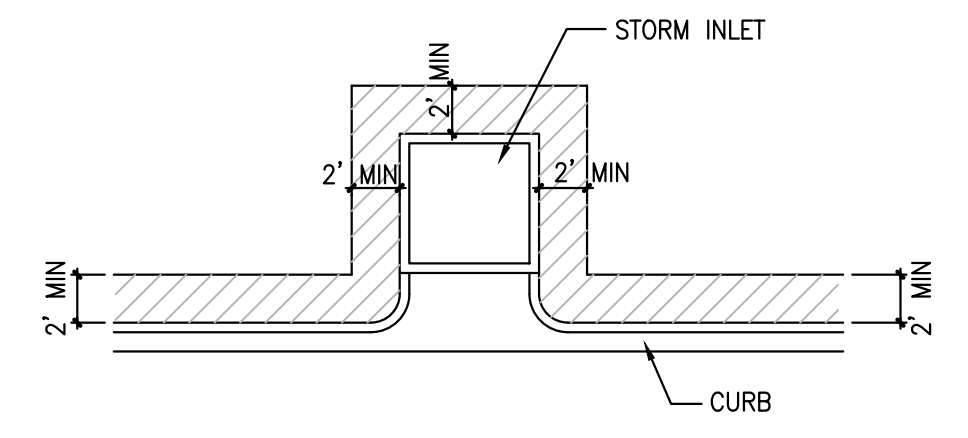
Type III Silt Fence Protection Around Ditch Bottom Inlets.

Do not deploy in a manner that silt fences will act as a dam across permanent flowing watercourses. Silt fences are to be used at upland locations and turbidity barriers used at permanent bodies of water.

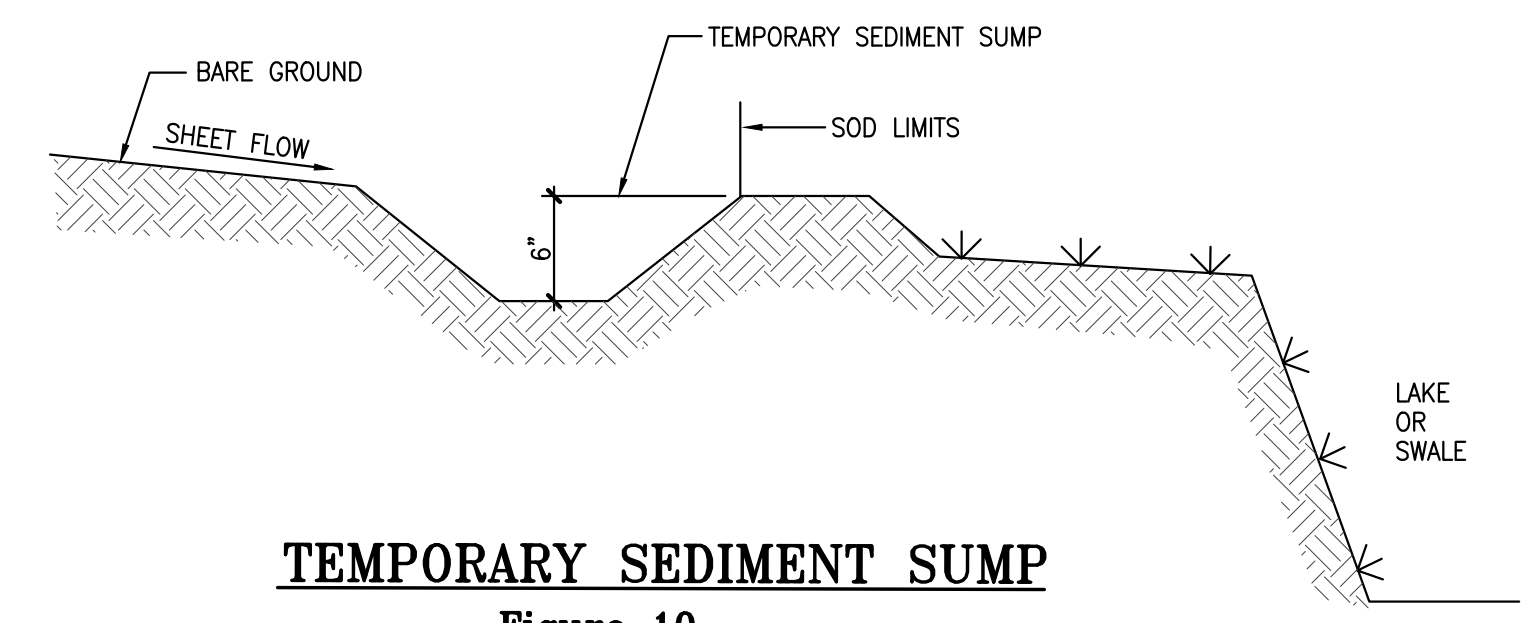
**SILT FENCE APPLICATIONS**  
 Figure 7



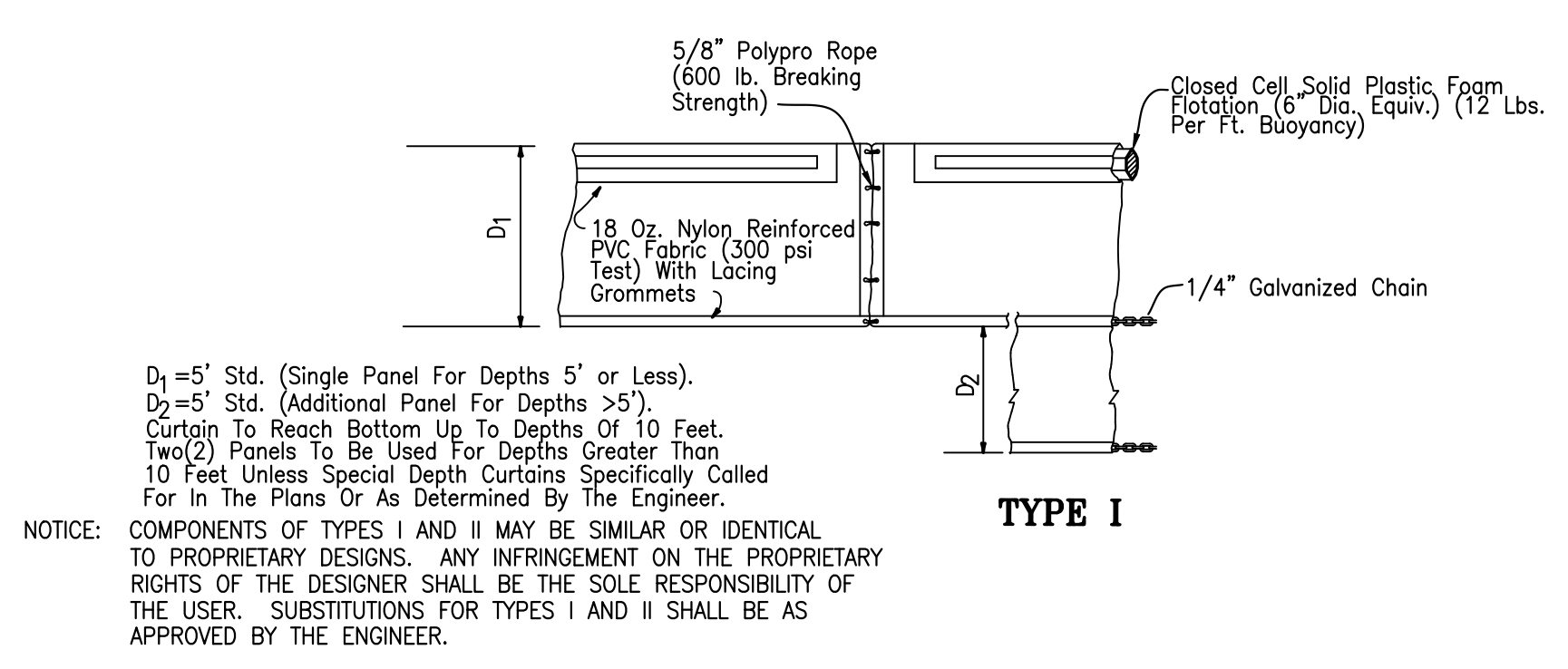
**GRASS SLOPES**  
 Figure 8



**SOD ALONG CURB AND AROUND INLET**  
 Figure 9



**TEMPORARY SEDIMENT SUMP**  
 Figure 10



D<sub>1</sub> = 5' Std. (Single Panel For Depths 5' or Less).  
 D<sub>2</sub> = 5' Std. (Additional Panel For Depths >5').  
 Curtain To Reach Bottom Up To Depths Of 10 Feet.  
 Two(2) Panels To Be Used For Depths Greater Than 10 Feet Unless Special Depth Curtains Specifically Called For In The Plans Or As Determined By The Engineer.  
 NOTICE: COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

**TYPE I**  
**FLOATING TURBIDITY BARRIERS**