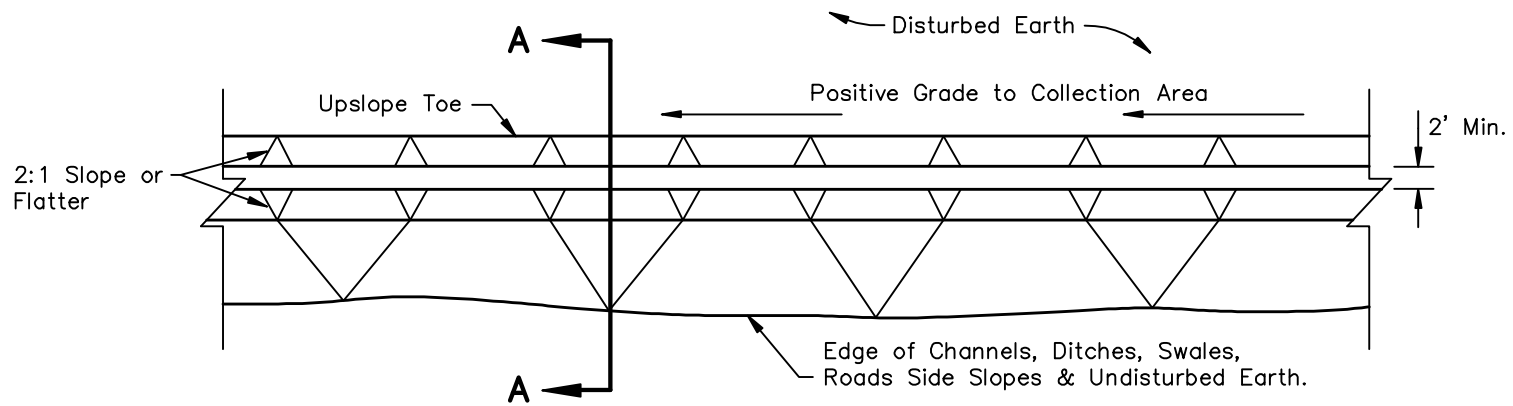


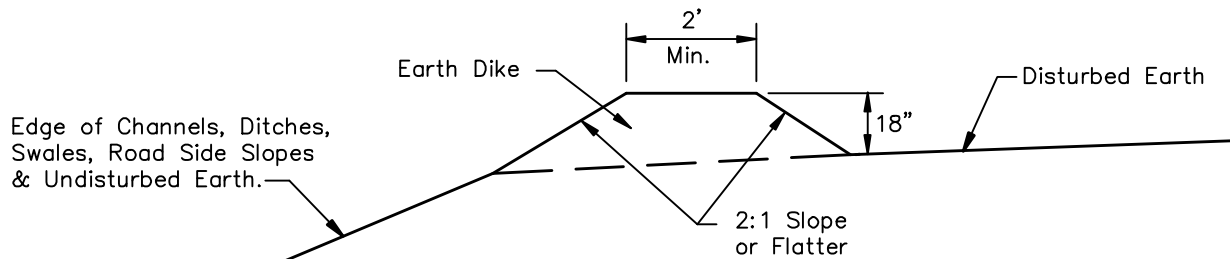
TEMPORARY EROSION CONTROL GRAVEL INTERCEPTOR BERM

CITY INDEX NO. 601; 1 OF 1
N.T.S.

				CITY OF CLEARWATER, FLORIDA ENGINEERING DEPARTMENT		
				REDRAWN BY T.L.M.	TEMPORARY EROSION	DATE 06/09
				CHECKED BY R.J.M.	CONTROL GRAVEL	INDEX NO. 601
				APPROVED BY M.Q.	INTERCEPTOR BERM	
REV.	DATE	DESCRIPTION	APP.			1 OF 1



PLAN VIEW



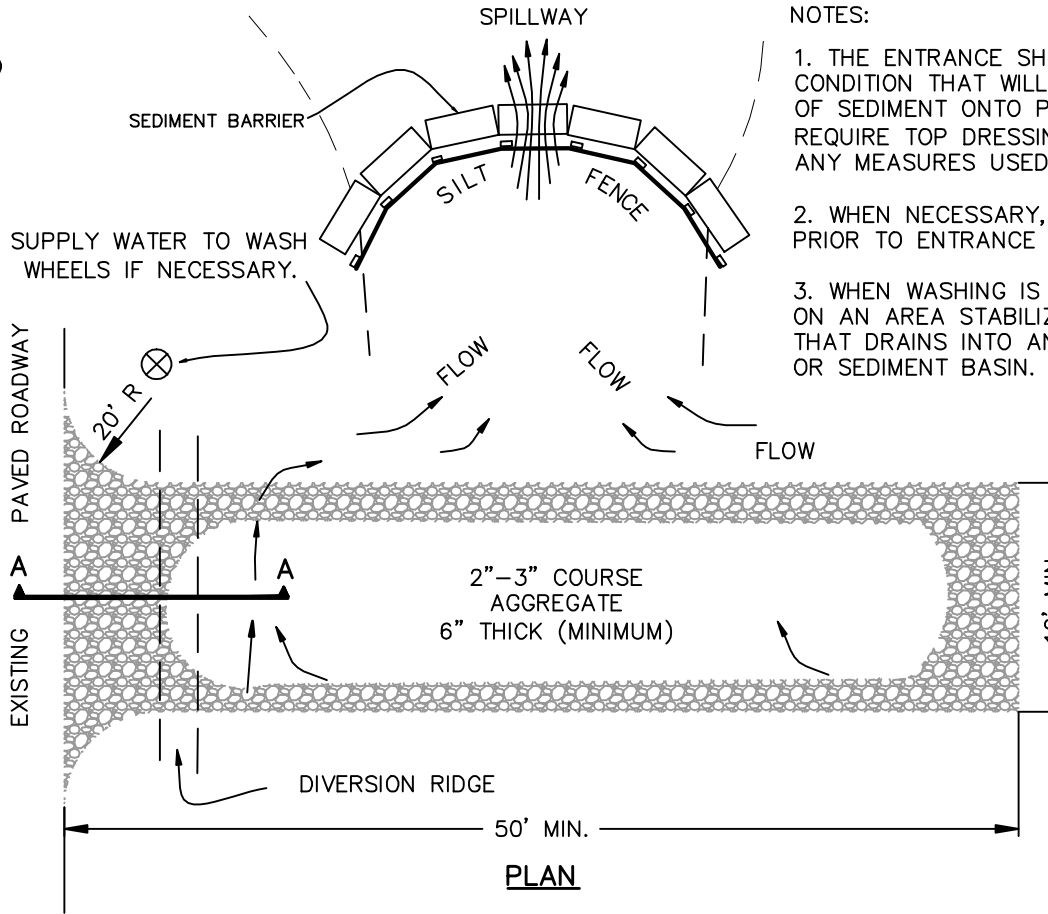
SECTION A-A

TEMPORARY EROSION CONTROL DIVERSION BERM

CITY INDEX NO. 602; 1 OF 2
N.T.S.

				CITY OF CLEARWATER, FLORIDA ENGINEERING DEPARTMENT		
				REDRAWN BY T.L.M.	TEMPORARY EROSION	DATE 06/09
				CHECKED BY R.J.M.	CONTROL DIVERSION	INDEX NO. 602
				APPROVED BY M.D.Q.	BERM	1 OF 2
REV.	DATE	DESCRIPTION	APP.			

USE SANDBAGS, STRAW BALES OR OTHER APPROVED METHODS TO CHANNEL RUNOFF TO BASIN AS REQUIRED. WHEN STRAW BALES ARE USED IN THIS APPLICATION A SILT FENCE IS TO BE INCLUDED AS SHOWN ON THE UPSTREAM SIDE OF THE SEDIMENT BARRIER. SEE INDEX NO. 607.



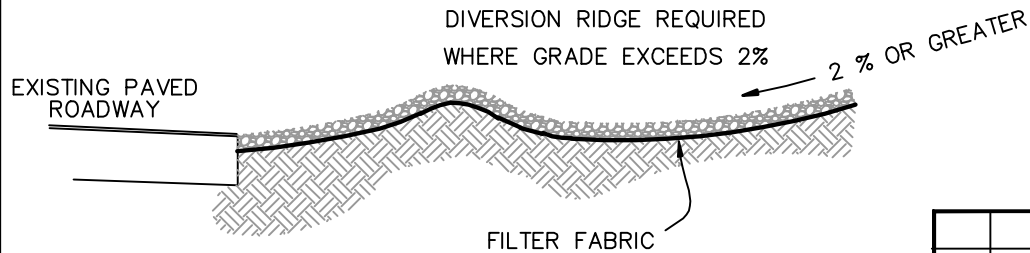
NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANING OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

PLAN

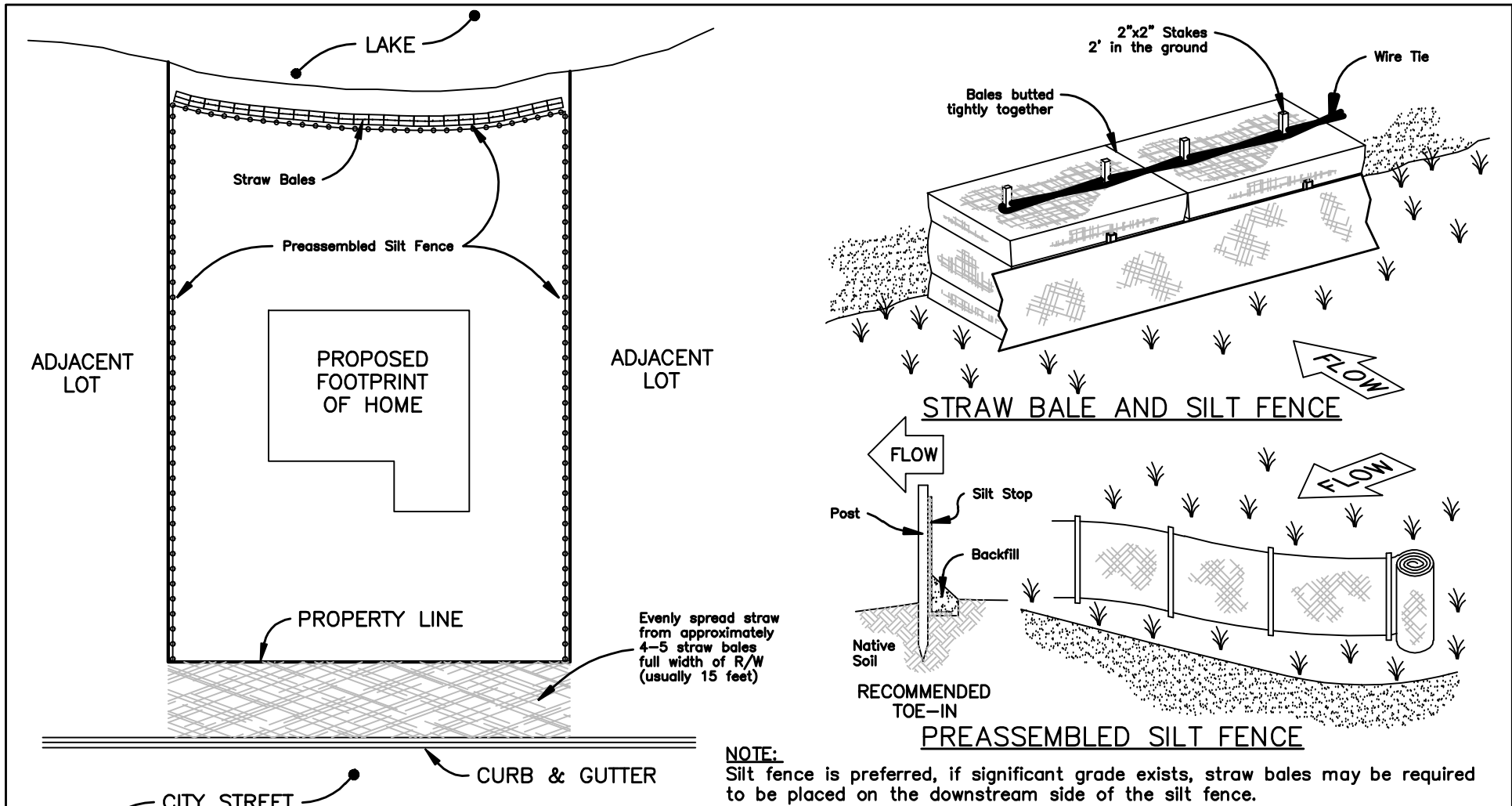
TEMPORARY EROSION CONTROL DIVERSION BERM

CITY INDEX NO. 602; 2 OF 2
N.T.S.



SECTION A - A

				CITY OF CLEARWATER, FLORIDA ENGINEERING DEPARTMENT		
				REDRAWN BY M.C.	TEMPORARY EROSION CONTROL DIVERSION BERM	DATE 06/09
				CHECKED BY B.G.		INDEX NO. 602
REV.	DATE	DESCRIPTION	APP.	DESIGNED BY A.C.		2 OF 2



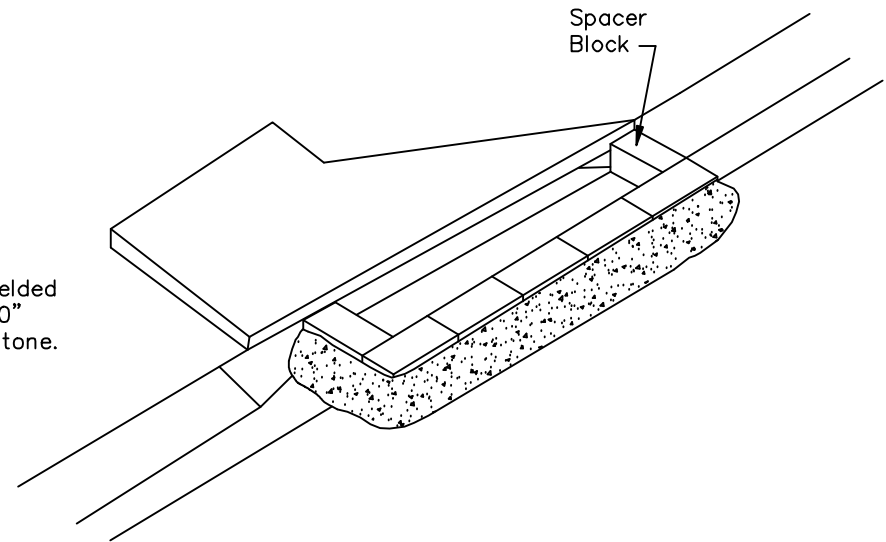
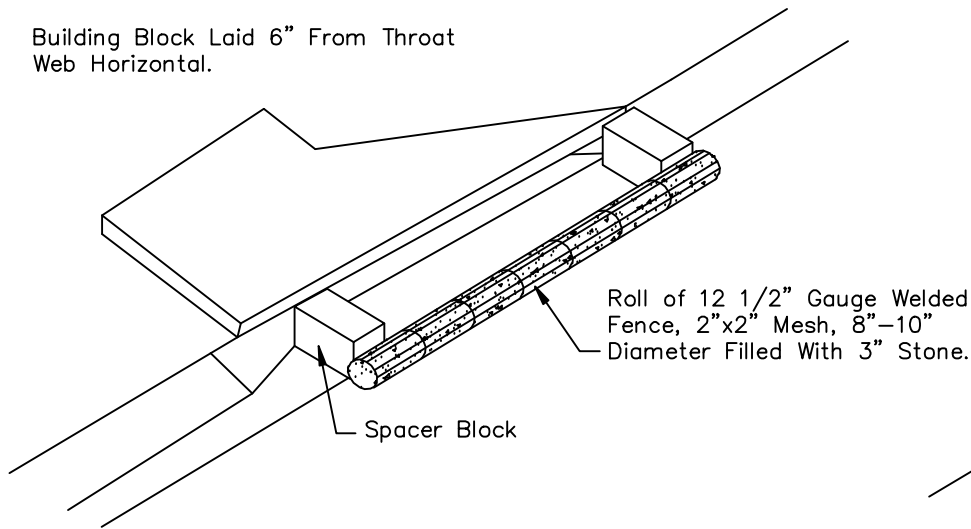
NOTE:
Silt fence is preferred, if significant grade exists, straw bales may be required to be placed on the downstream side of the silt fence.

SINGLE FAMILY HOME EROSION CONTROL TEMPORARY STRAW BALE SEDIMENT BARRIER

CITY INDEX NO. 603; 1 OF 1
N.T.S.

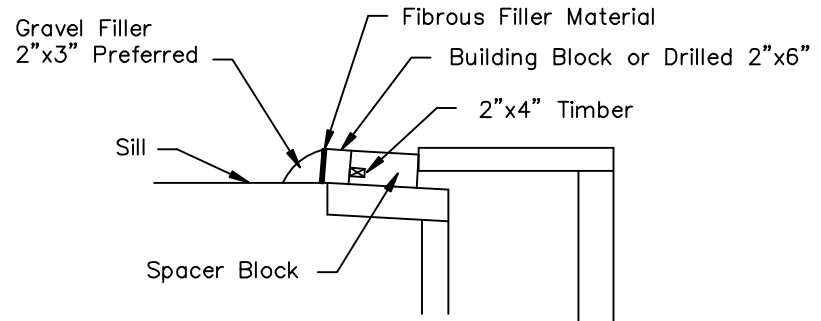
				CITY OF CLEARWATER, FLORIDA ENGINEERING DEPARTMENT	
				REDRAWN BY P.W.D.	SINGLE FAMILY HOME
				CHECKED BY M.Q.	EROSION CONTROL
				DESIGNED BY R.J.M.	TEMPORARY STRAW BALE SEDIMENT BARRIER
REV.	DATE	DESCRIPTION	APP.	DATE 06/09	INDEX NO. 603
					1 OF 1

Building Block Laid 6" From Throat
Web Horizontal.



NOTES:

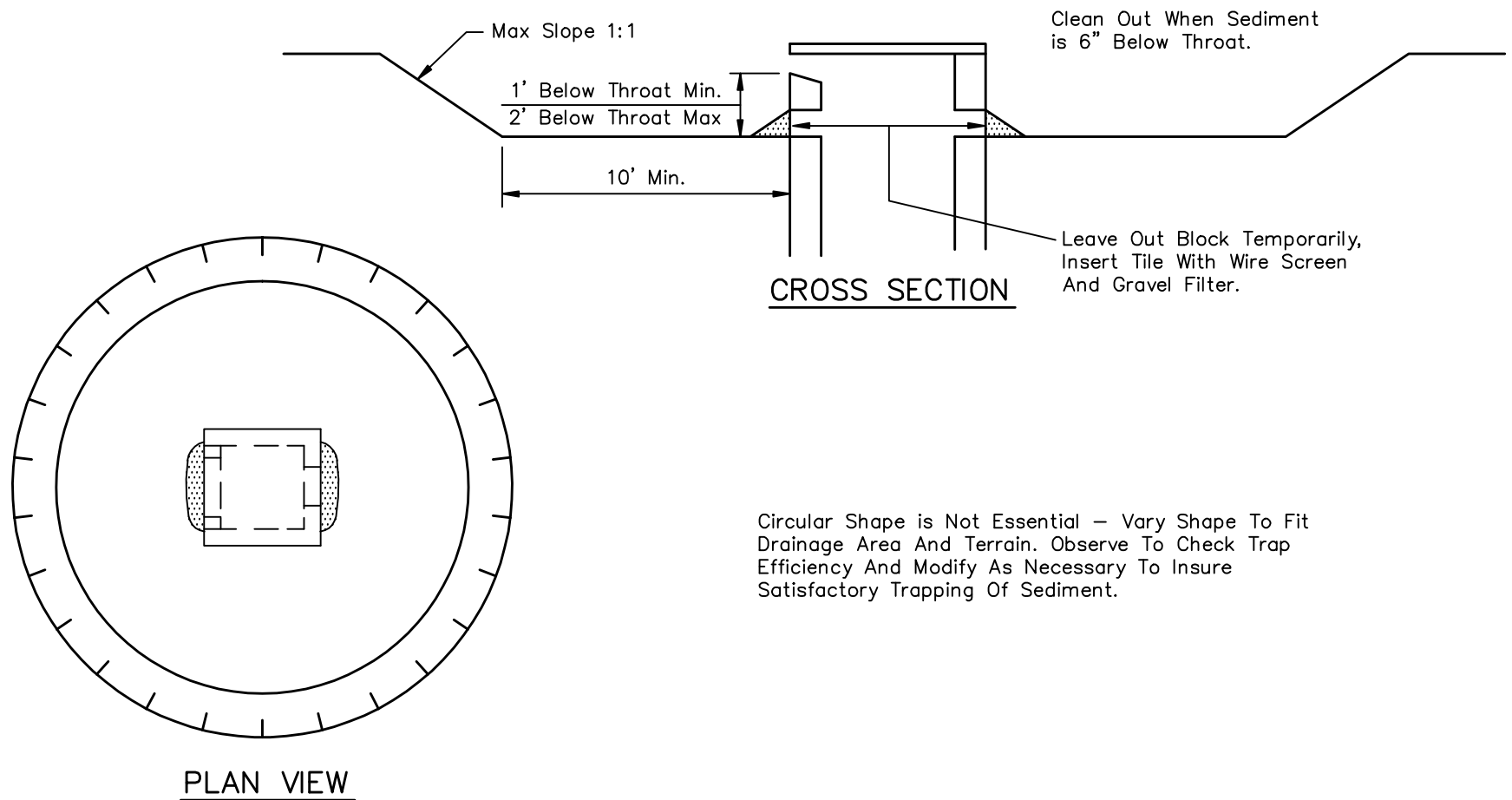
1. Fibrous filler material in front of block prevents gravel from washing into structure,
2. 2"x4" Behind block and across throat helps keep block in place. Place in outer hole of spacer block.
3. Bales of hay and sod, similarly placed, may also be used.



TEMPORARY SEDIMENT TRAP AT CURB INLET

CITY INDEX NO. 604; 1 OF 1
N.T.S.

				CITY OF CLEARWATER, FLORIDA ENGINEERING DEPARTMENT	
				REDRAWN BY T.L.M.	TEMPORARY SEDIMENT
				CHECKED BY R.J.M.	TRAP AT CURB INLET
				APPROVED BY M.Q.	DATE 06/09
REV.	DATE	DESCRIPTION	APP.		INDEX NO. 604
					1 OF 1

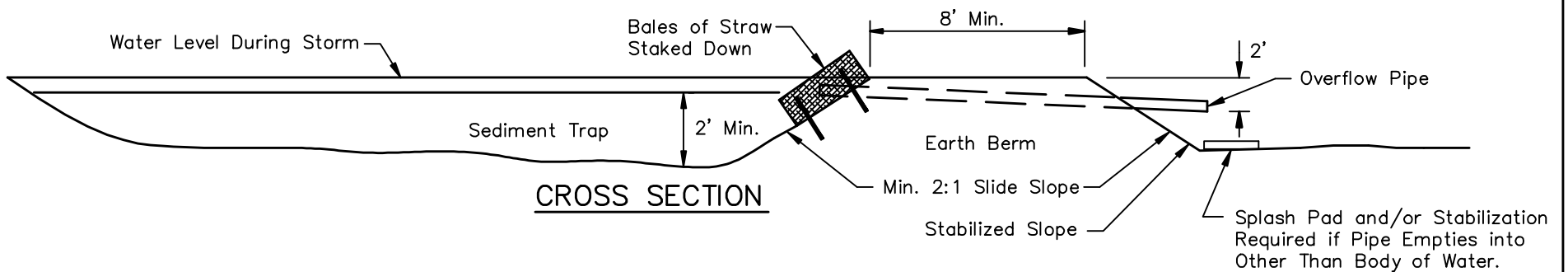
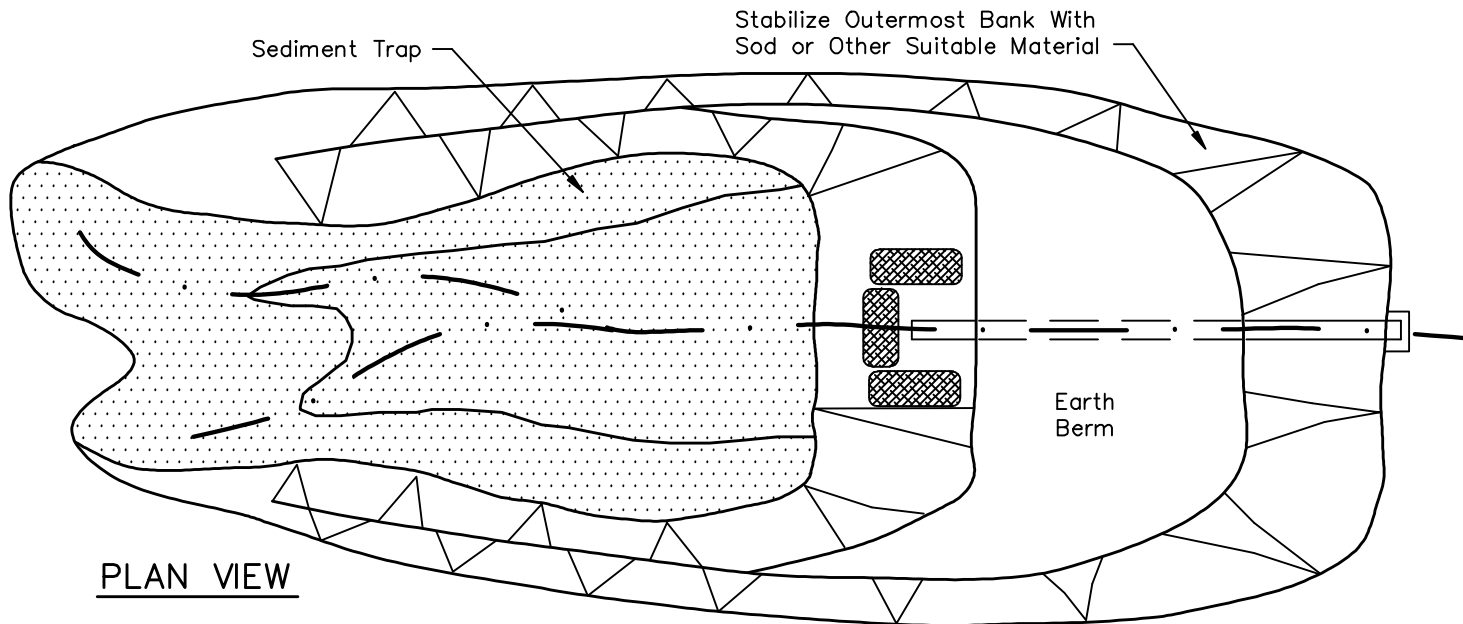


TEMPORARY SEDIMENT TRAP AT STORM DRAIN INLET

CITY INDEX NO. 605; 1 OF 1

N.T.S.

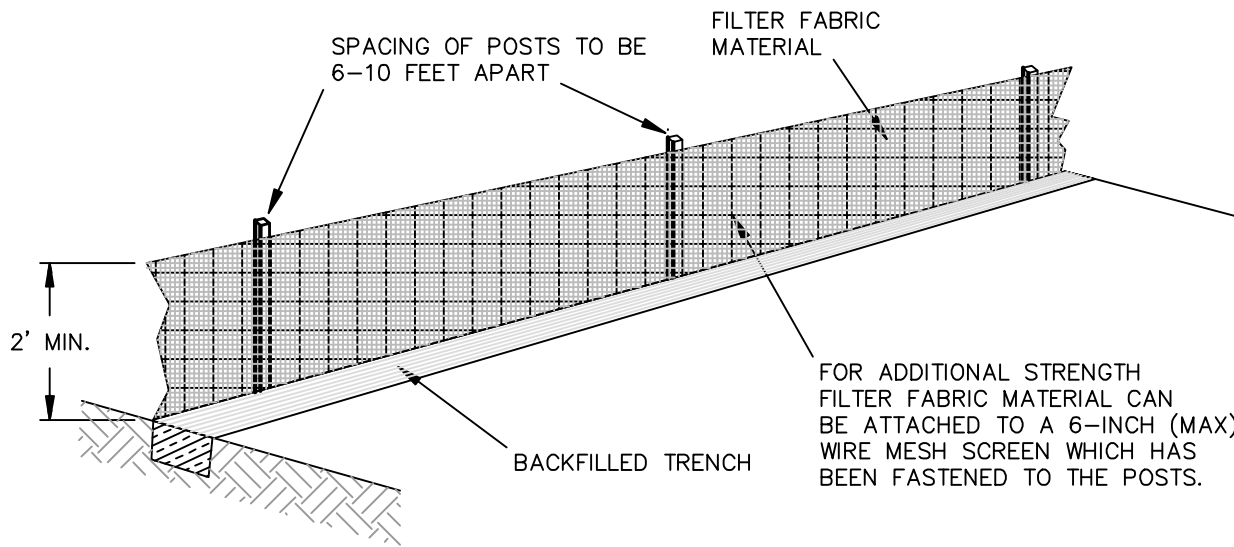
				CITY OF CLEARWATER, FLORIDA ENGINEERING DEPARTMENT		
				REDRAWN BY T.L.M.	TEMPORARY SEDIMENT	DATE 07/09
				CHECKED BY R.J.M.	TRAP AT STORM	INDEX NO. 605
				APPROVED BY M.D.Q.	DRAIN INLET	1 OF 1
REV.	DATE	DESCRIPTION	APP.			



TEMPORARY EROSION CONTROL SEDIMENT BASIN

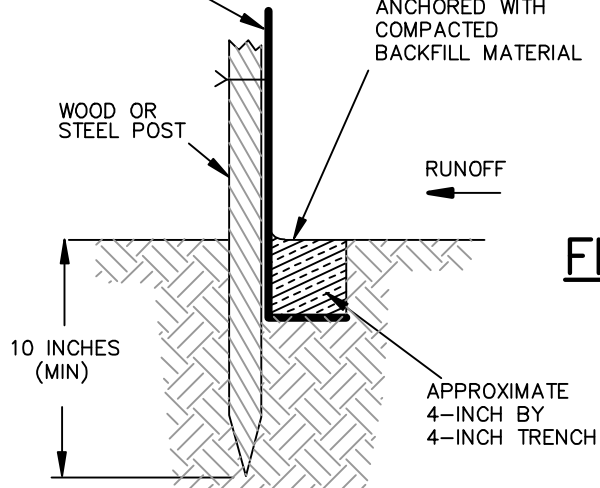
CITY INDEX NO. 606; 1 OF 1
N.T.S.

				CITY OF CLEARWATER, FLORIDA ENGINEERING DEPARTMENT	
				REDRAWN BY T.L.M.	TEMPORARY EROSION
				CHECKED BY R.J.M.	CONTROL SEDIMENT
				APPROVED BY M.D.Q.	BASIN
REV.	DATE	DESCRIPTION	APP.	DATE 08/09	
				INDEX NO. 606	
				1 OF 1	



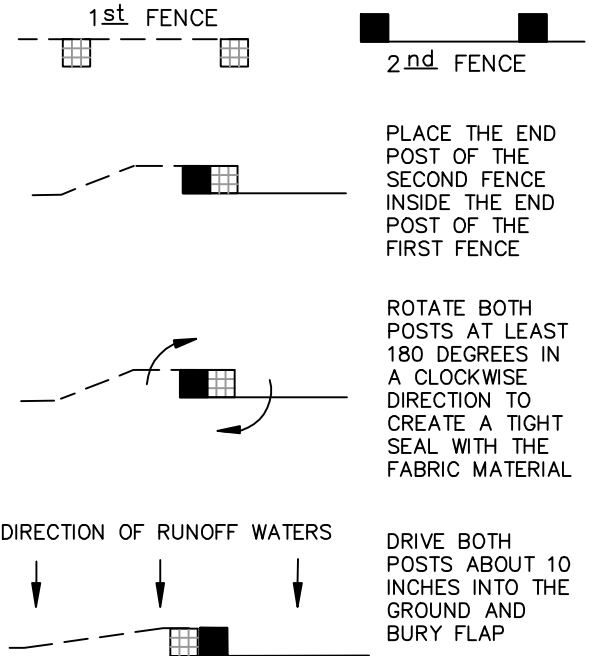
FILTER FABRIC MATERIAL SECURELY FASTENED TO THE POSTS OR WIRE MESH IF USED.

APPROXIMATELY 8 INCHES OF FILTER FABRIC MATERIAL MUST EXTEND INTO A TRENCH AND BE ANCHORED WITH COMPACTED BACKFILL MATERIAL



FOR ADDITIONAL STRENGTH FILTER FABRIC MATERIAL CAN BE ATTACHED TO A 6-INCH (MAX) WIRE MESH SCREEN WHICH HAS BEEN FASTENED TO THE POSTS.

ATTACHING TWO SILT FENCES



PLACE THE END POST OF THE SECOND FENCE INSIDE THE END POST OF THE FIRST FENCE

ROTATE BOTH POSTS AT LEAST 180 DEGREES IN A CLOCKWISE DIRECTION TO CREATE A TIGHT SEAL WITH THE FABRIC MATERIAL

DRIVE BOTH POSTS ABOUT 10 INCHES INTO THE GROUND AND BURY FLAP

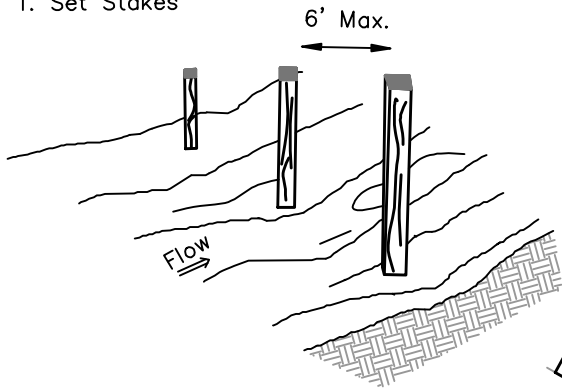
INSTALLING A FILTER FABRIC SILT FENCE

CITY INDEX NO. 607; 1 OF 3

N.T.S.

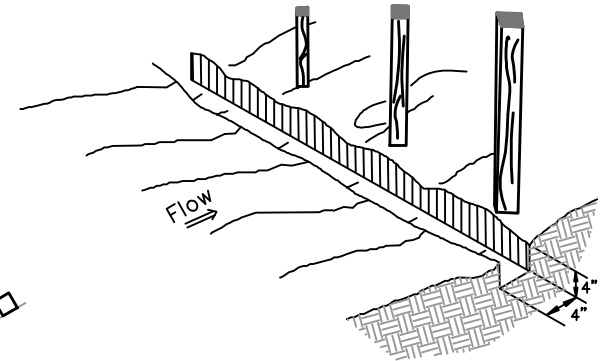
REV.	DATE	DESCRIPTION	APP.	CITY OF CLEARWATER, FLORIDA ENGINEERING DEPARTMENT		
				DRAWN BY BVD	INSTALLING A	DATE 07/09
				CHECKED BY B.G.	FILTER FABRIC	INDEX NO. 607
				DESIGNED BY T.F.	SILT FENCE	1 OF 3

1. Set Stakes



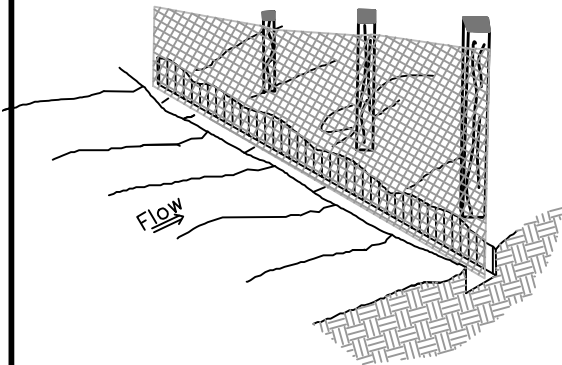
Sheet Flow Installation
(Perspective View)

2. Excavate a 4" x 4" Trench Upslope Along The Line Of Stakes

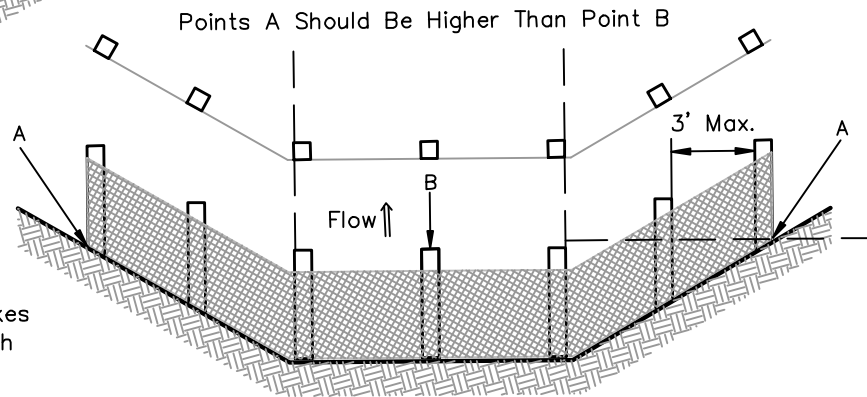
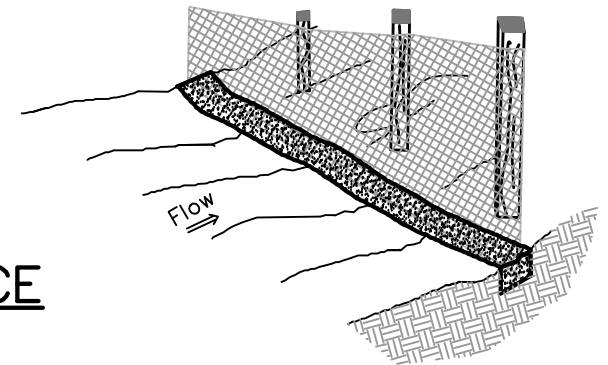


Sheet Flow Installation
(Perspective View)

3. Staple Filter Material To Stakes
And Extend It Into The Trench



4. Backfill And Compact The
Excavated Soil



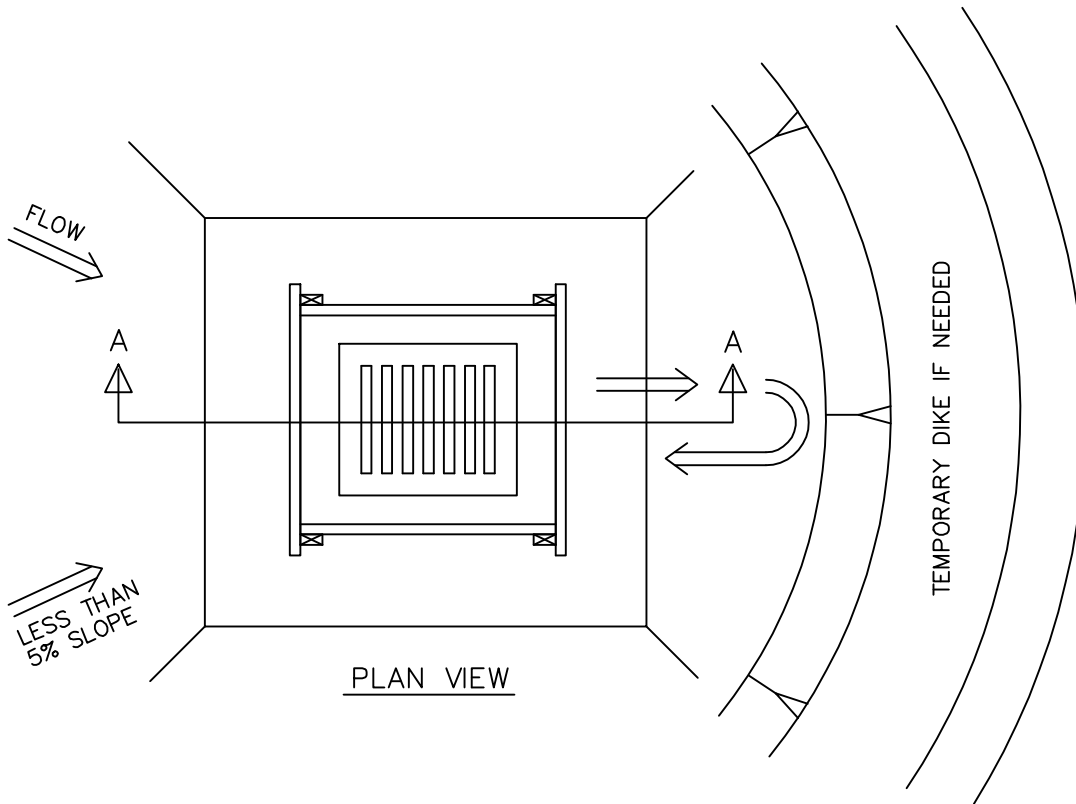
Drainage Installation
(Front Elevation)

INSTALLING A FILTER FABRIC SILT FENCE

CITY INDEX NO. 607; 2 OF 3

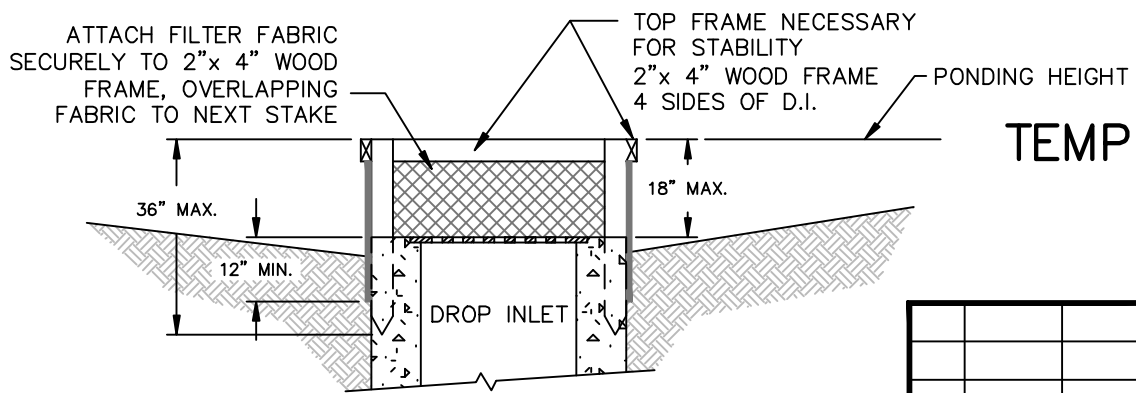
N.T.S.

REV.	DATE	DESCRIPTION	APP.	CITY OF CLEARWATER, FLORIDA ENGINEERING DEPARTMENT		
				DRAWN BY M.C.	INSTALLING A	DATE 07/09
				CHECKED BY B.G.	FILTER FABRIC	INDEX NO. 607
				DESIGNED BY A.C.	SILT FENCE	2 OF 3



- NOTES:
1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS. (LESS THAN 5%)
 2. USE 2"x 4" WOOD OR EQUIVALENT METAL STAKES. (3 FT. MIN. LENGTH)
 3. INSTALL 2"x 4" WOOD TOP FRAME TO INSURE STABILITY.
 4. THE TOP OF THE FRAME (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BYPASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.

PLAN VIEW



SECTION A-A

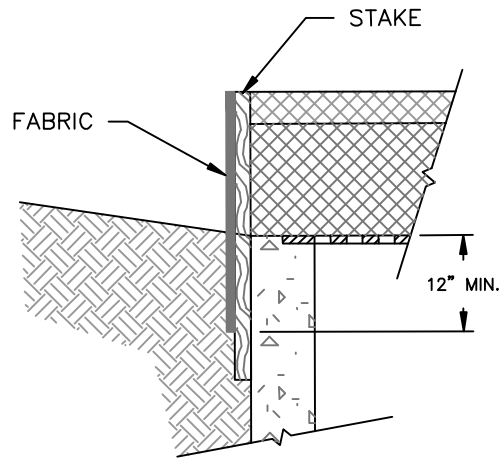
TEMPORARY SEDIMENT BARRIER AT DROP INLET

CITY INDEX NO. 608; 1 OF 2
N.T.S.

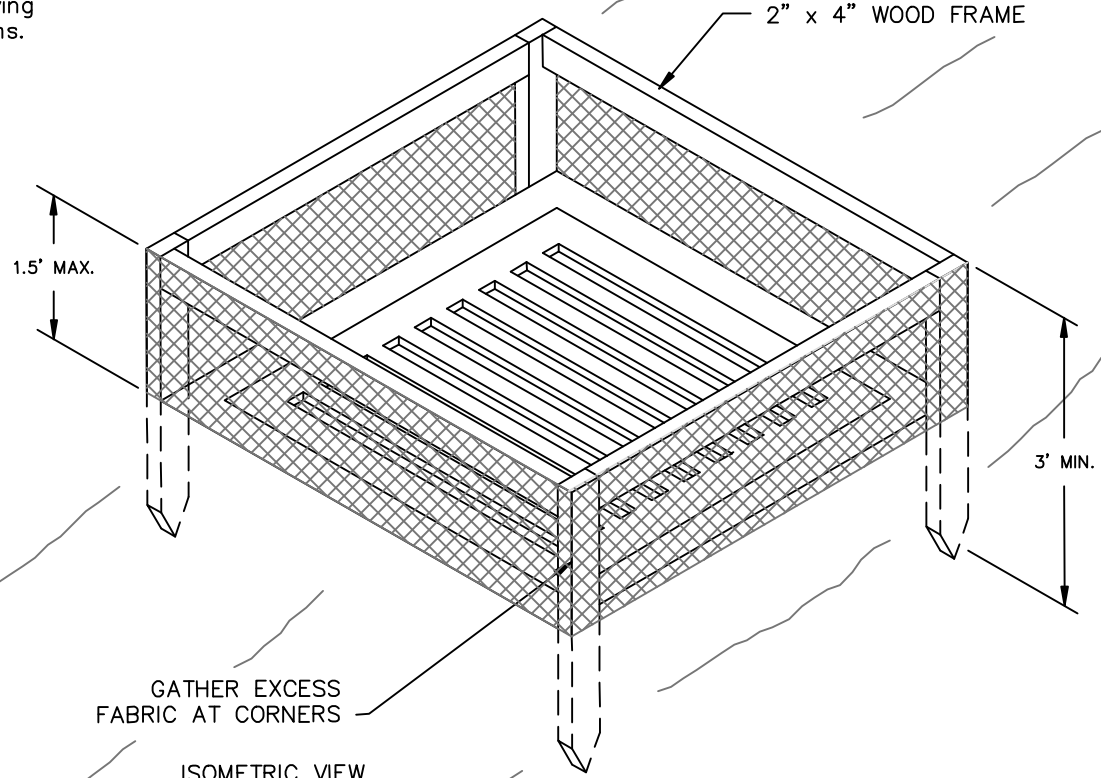
				CITY OF CLEARWATER, FLORIDA ENGINEERING DEPARTMENT	
				DRAWN BY Novo	DATE 07/09
				CHECKED BY B.G.	INDEX NO. 608
				DESIGNED BY T.F.	1 OF 2
REV.	DATE	DESCRIPTION	APP.		

Specific Application

This method of inlet protection is applicable where the inlet drains in a relatively flat area (slope no greater than 5%) where the inlet sheet of overlandflows (not exceeding 1 c.f.s.) are typical. The method shall not apply to inlets receiving concentrated flows, such as in street or highway medians.



ELEVATION OF STAKE & FABRIC ORIENTATION



GATHER EXCESS FABRIC AT CORNERS

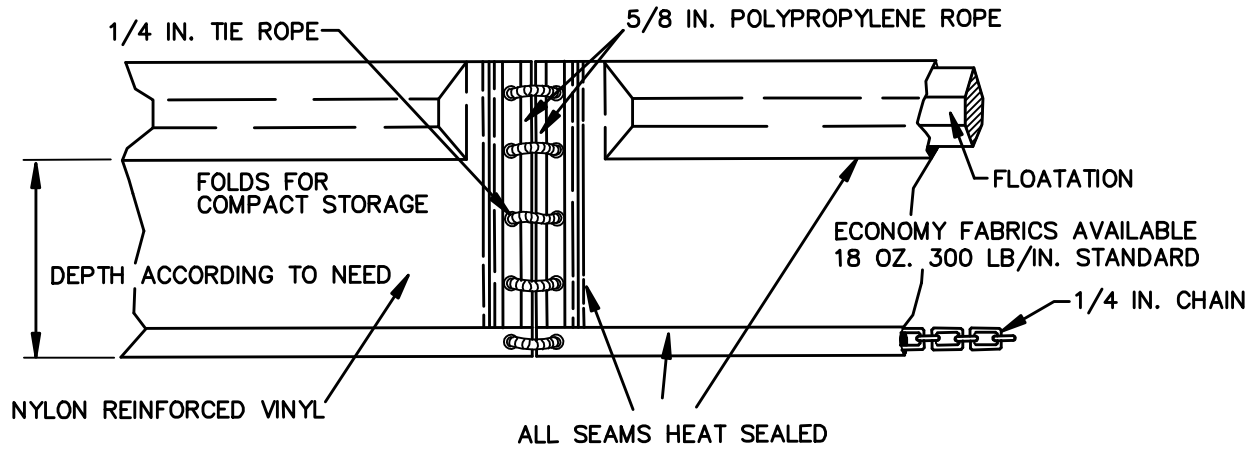
ISOMETRIC VIEW

TEMPORARY SEDIMENT BARRIER AT DROP INLET

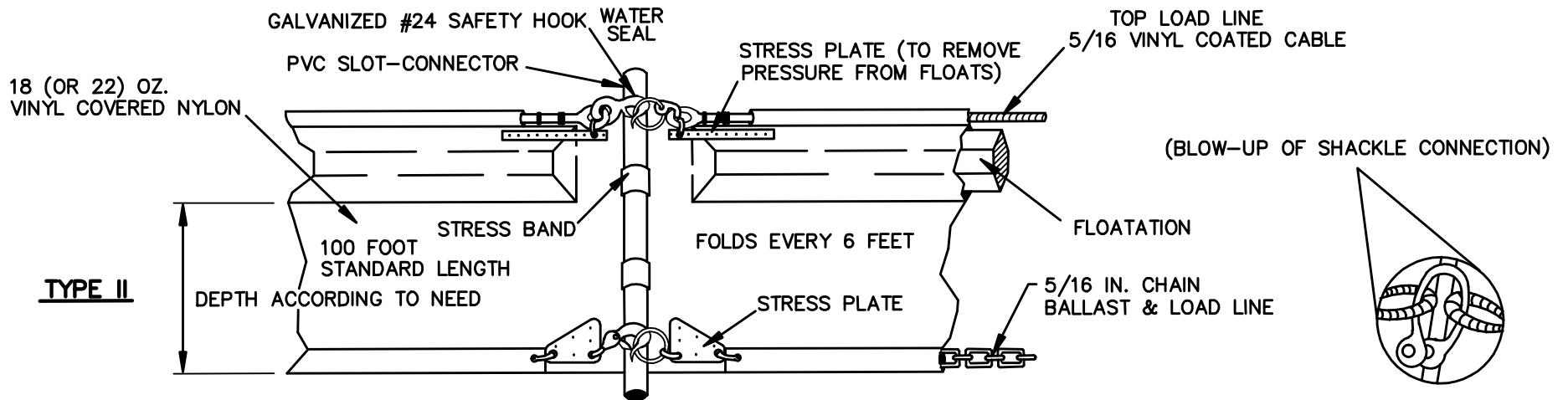
CITY INDEX NO. 608; 2 OF 2
N.T.S.

				CITY OF CLEARWATER, FLORIDA ENGINEERING DEPARTMENT	
				DRAWN BY Novo	TEMPORARY SEDIMENT
				CHECKED BY B.G.	BARRIER AT DROP INLET
				DESIGNED BY T.F.	
REV.	DATE	DESCRIPTION	APP.		
					DATE 07/09
					INDEX NO. 608
					2 OF 2

TYPE I



TYPE II

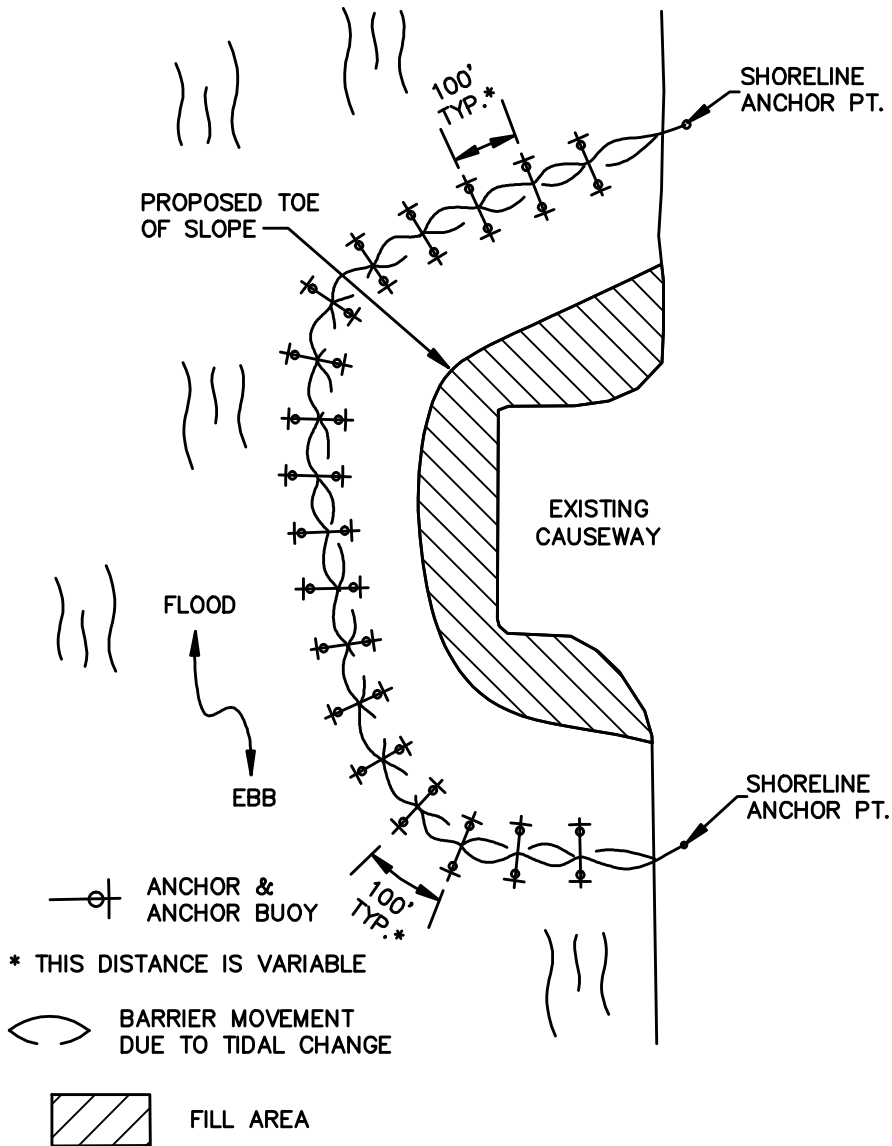


FLOATING TURBIDITY BARRIERS TYPE I & II

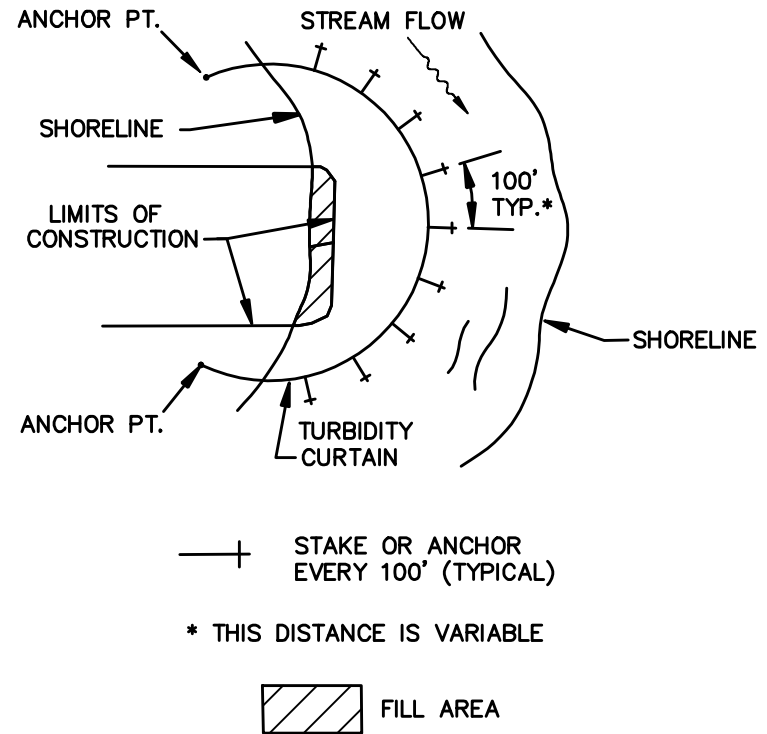
CITY INDEX NO. 609; 1 OF 2
N.T.S.

					CITY OF CLEARWATER, FLORIDA ENGINEERING DEPARTMENT	
				REDRAWN BY B.V.D.	FLOATING TURBIDITY	DATE 08/09
				CHECKED BY B.G.	BARRIERS	INDEX NO. 609
REV.	DATE	DESCRIPTION	APP.	APPROVED BY M.Q.	TYPE I & TYPE II	1 OF 1

**TYPICAL LAYOUT
TIDAL WATERS AND/OR HEAVY WIND AND WAVE ACTION**



**TYPICAL LAYOUT
STREAMS, PONDS, AND LAKES (PROTECTED AND NON-TIDAL)**

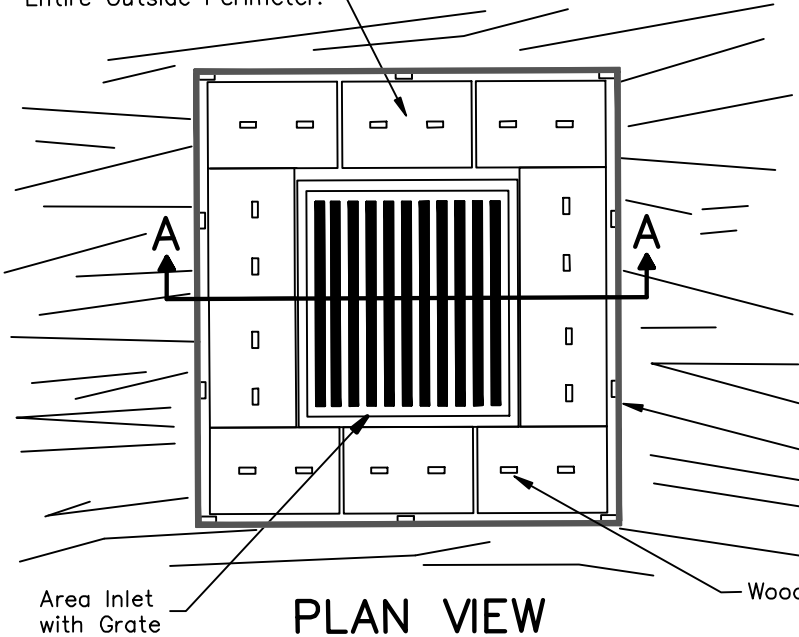


TYPICAL INSTALLATION LAYOUTS OF FLOATING TURBIDITY BARRIERS

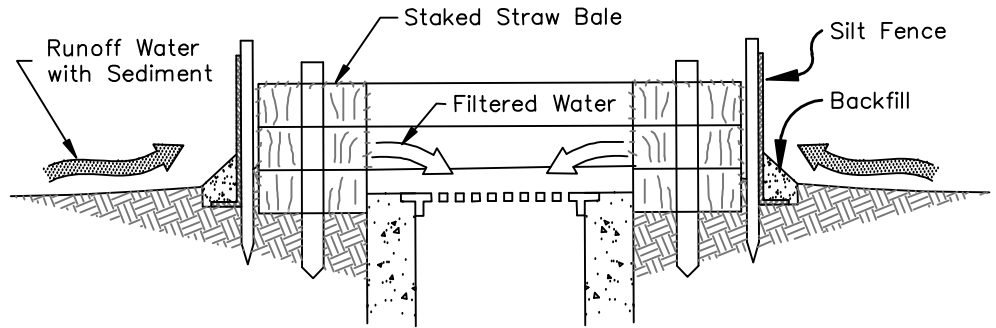
CITY INDEX NO. 610; 1 OF 1
N.T.S.

REV.	DATE	DESCRIPTION	APP.	CITY OF CLEARWATER, FLORIDA ENGINEERING DEPARTMENT		
				DRAWN BY B.V.D.	TYPICAL INSTALLATION	DATE 08/09
				CHECKED BY B.G.	LAYOUTS OF	INDEX NO. 610
				DESIGNED BY A.C.	FLOATING TURBIDITY BARRIERS	1 OF 1

Straw Bales Are To Be Placed 4 Inches Deep Into The Soil. Tightly Abutting With No Gap. Staked And Backfilled Around The Entire Outside Perimeter.



PLAN VIEW



SECTION A-A

Silt fence is to be installed around straw bales. See Index No. 607

Wood Stakes (Typ.)

Area Inlet with Grate

This method of inlet protection is applicable where the inlet drains a relatively flat area (slopes no greater than 5%) where sheet or overland flows (not exceeding 0.5 cfs) are typical. The method shall not apply to inlets receiving concentrated flows, such as street or highway medians.

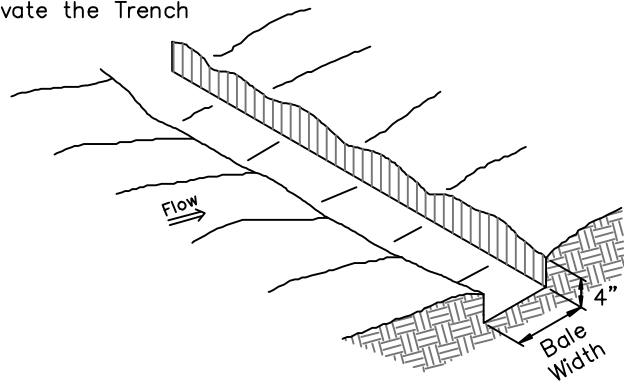
TEMPORARY STRAW BALE SEDIMENT BARRIER AT STORM DRAIN DROP INLET

CITY INDEX NO. 611; 1 OF 1

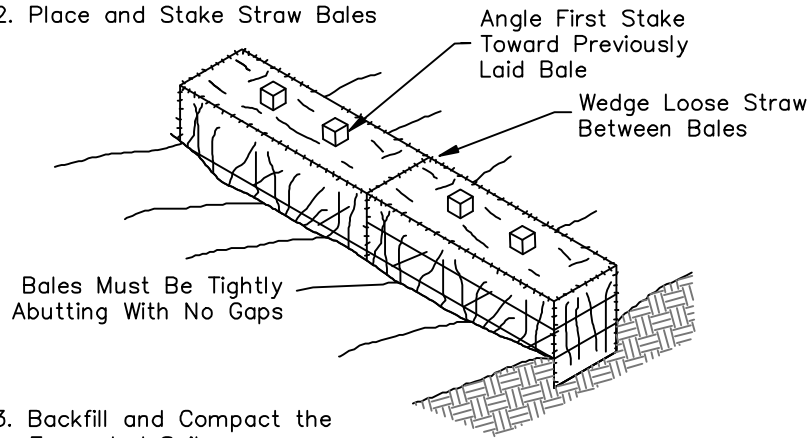
N.T.S.

				CITY OF CLEARWATER, FLORIDA ENGINEERING DEPARTMENT	
				DRAWN BY M.C.	TEMPORARY STRAW BALE
				CHECKED BY B.G.	SEDIMENT BARRIER
				DESIGNED BY A.C.	AT STORM DRAIN
REV.	DATE	DESCRIPTION	APP.	DROP INLET	INDEX NO. 611
					1 OF 1

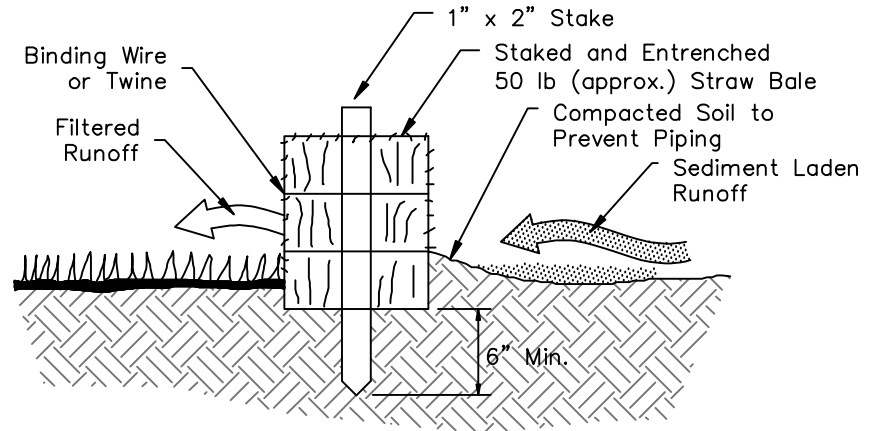
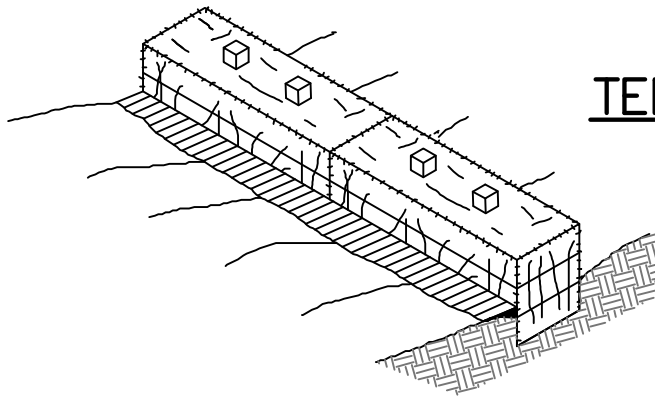
1. Excavate the Trench



2. Place and Stake Straw Bales



3. Backfill and Compact the Excavated Soil



**PROPERLY INSTALLED STRAW BALE
(Cross-Section)**

TEMPORARY STRAW BALE SEDIMENT BARRIER

CITY INDEX NO. 612; 1 OF 1

N.T.S.

REV.	DATE	DESCRIPTION	APP.	CITY OF CLEARWATER, FLORIDA ENGINEERING DEPARTMENT	
				DRAWN BY Novo	TEMPORARY STRAW BALE
				CHECKED BY B.G.	SEDIMENT BARRIER
				DESIGNED BY A.C.	
					DATE 08/09
					INDEX NO. 612
					1 OF 1