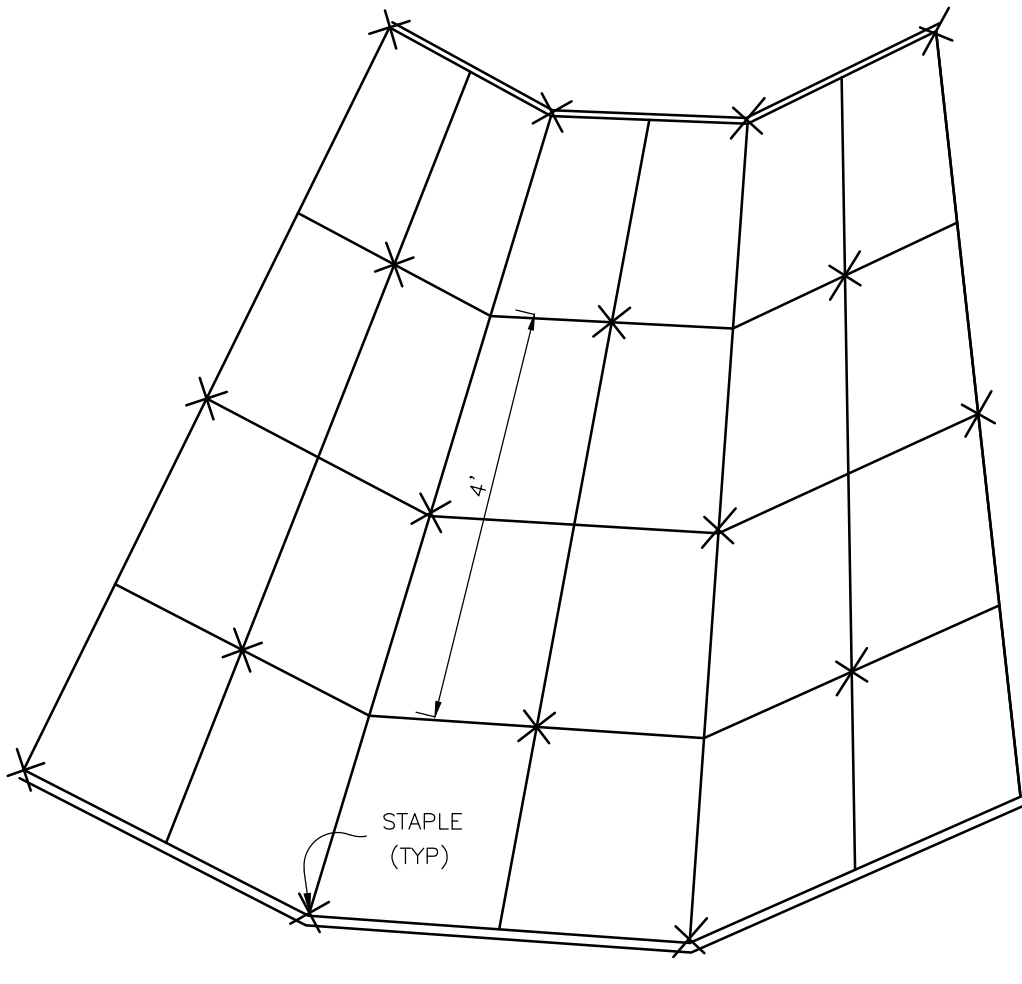


Erosion Control Blanket
N.T.S.

Roll blanket over properly prepared, fertilized and seeded area. The blanket should be in contact with the soil over the entire area. It may be necessary to overlap, dig check slots or bury the ends of Superior blankets when the application is more demanding.

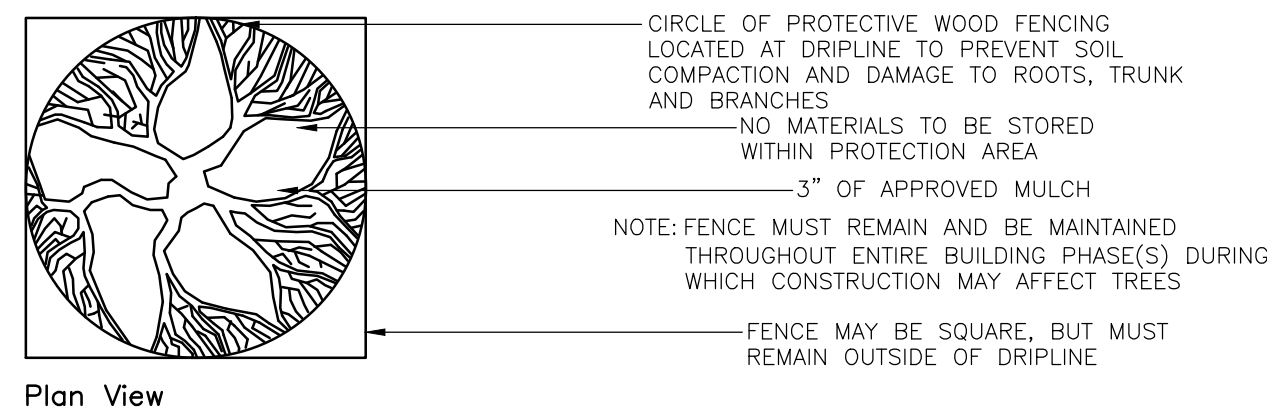


Detail: Erosion Control Blanket
N.T.S.

CHANNEL INSTALLATION:

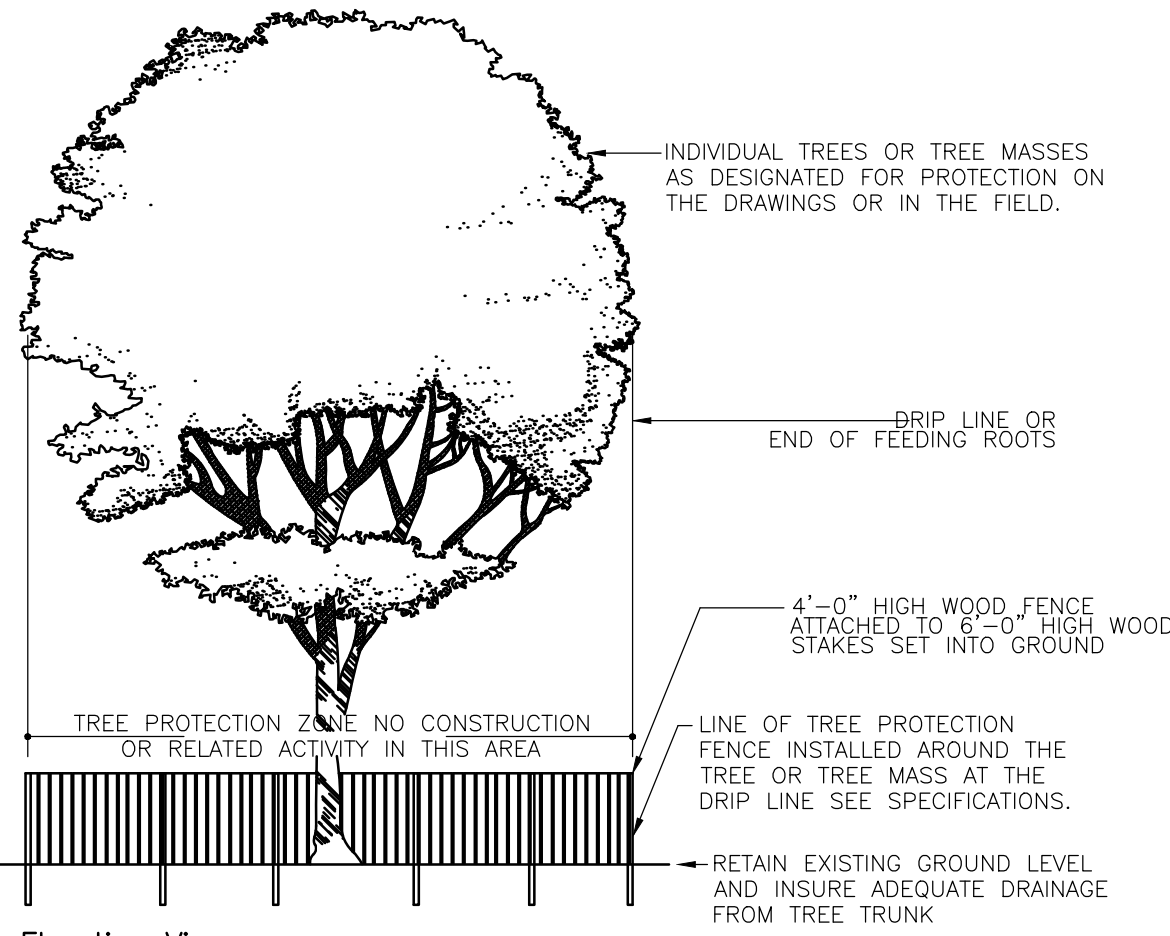
EROSION CONTROL BLANKET (ECB) SHALL BE UNROLLED PARALLEL TO THE DIRECTION OF WATER FLOW. THE FIRST ROLL SHALL BE PLACED LONGITUDINALLY IN THE CHANNEL AND ANCHORED WITH STAPLES. SUBSEQUENT ROLLS SHALL BE INSTALLED TO THE EDGES OF THE CHANNELS AND BE LAPPED TO ALLOW INSTALLATION OF A COMMON ROW OF STAPLES. ECB SHOULD BE OVERLAPPED SUFFICIENTLY TO A COMMON ROW OF STAPLES WITH THE UPSTREAM END ON TOP. THEN OVERLAP ACROSS THE END OF EACH OF THE OVERLAPPING LENGTHS. A TRENCH SHALL BE CONSTRUCTED AT THE TERMINATION (6-INCHES DEEP). THE ECB SHALL BE STAPLED TO THE BOTTOM OF THE TRENCH. BACKFILL INTO THE TRENCH.

STEEL WIRE STAPLES SHALL BE A MINIMUM DEPTH AND SPACING AS SPECIFIED BY MANUFACTURER



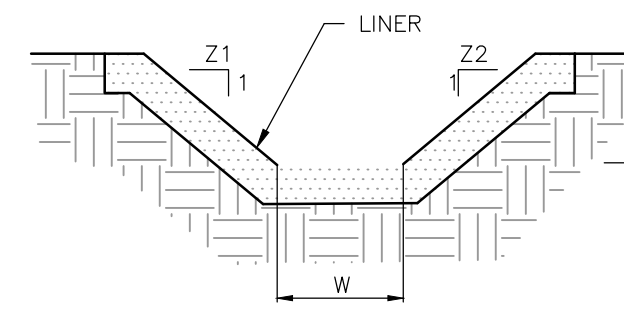
Plan View

Typical Tree Protection Detail (Single Tree)
N.T.S.



Elevation View

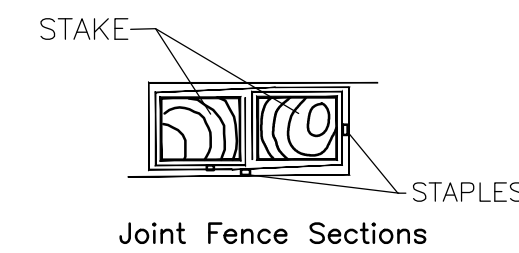
Typical Tree Protection Detail
N.T.S.



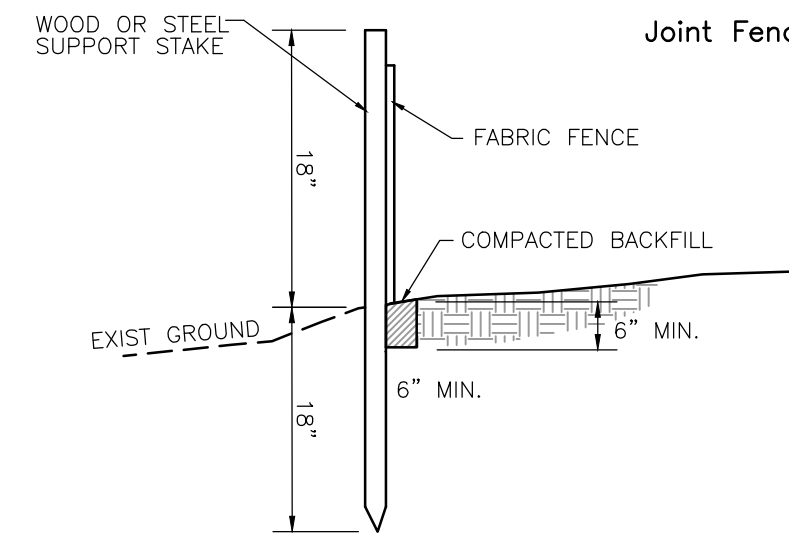
Swale Details
N.T.S.

Swale Schedule

#	TYPE	W	Z1	Z2	D	LINER
1	TEMP DIVERSION	12	12	10'		Polypropylene Double Net EAST COAST - ECP-2
4a	PERMANENT	2	4	4	15'	Polypropylene Double Net EAST COAST - ECP-2
4b	PERMANENT	2	4	4	15'	STRAW-DOUBLE NET EAST COAST - ECS-2
DRIVEWAY SIDE	PERMANENT	0	3	3	18'	Polypropylene Double Net EAST COAST - ECP-2



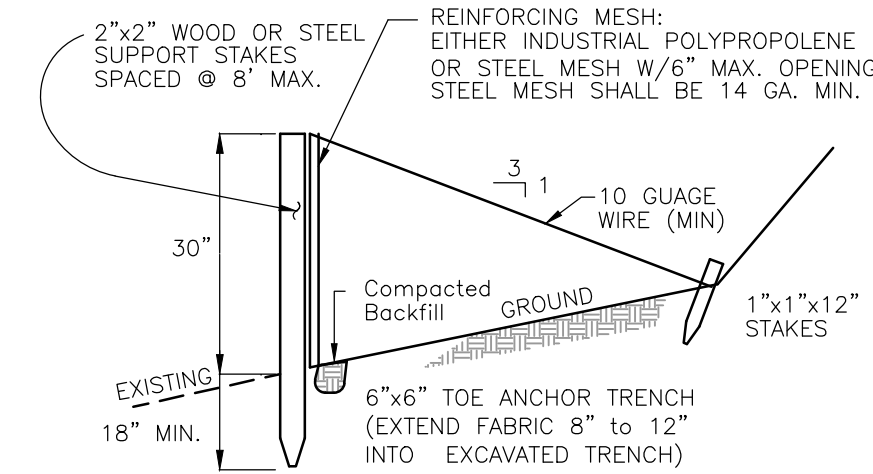
Joint Fence Sections



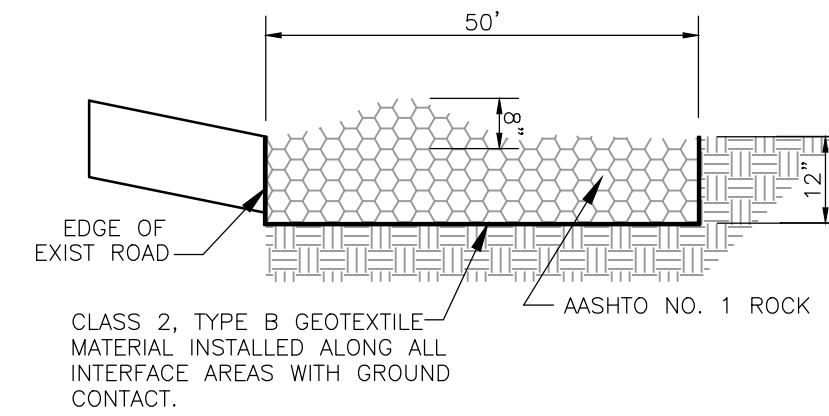
Standard Filter Fabric Fence (18" High)
N.T.S.

NOTES:

- DO NOT USE FILTER FABRIC FENCE IN AREAS OF CONCENTRATED FLOWS. DO NOT USE FILTER FABRIC FENCE AS INLET PROTECTION. A 6" DEEP TRENCH SHOULD BE EXCAVATED, MINIMIZING THE DISTURBANCE ON THE DOWNSLOPE SIDE. THE BOTTOM OF THE TRENCH SHOULD BE AT LEVEL GRADE. MAXIMUM DEVIATION FROM LEVEL GRADE SHOULD BE 1%, NOT EXTEND FOR MORE THAN 25 FEET.
- SUPPORT STAKES SHOULD BE DRIVEN 18" BELOW THE EXISTING GROUND SURFACE AT 8 FOOT MAXIMUM INTERVALS.
- SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/2 THE ABOVE GROUND HEIGHT OF THE FENCE.
- ANY SECTION OF FILTER FABRIC FENCE WHICH HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET.
- MULTIPLE ROWS OF FILTER FABRIC FENCE MAY NOT BE USED ON A CONTINUOUS SLOPE.
- FILTER FABRIC FENCE SHOULD BE INSPECTED WEEKLY AND AFTER EACH STORM EVENT. NEEDED REPAIRS SHOULD BE INITIATED IMMEDIATELY AFTER THE INSPECTION.
- FENCING MUST BE INSTALLED PARRALLEL TO EXISTING CONTOURS OR CONSTRUCTED LEVEL ALIGNMENTS. ENDS OF FENCING MUST BE EXTENDED AT LEAST 8-FT UPSLOPE AND 45 DEGREES TO THE MAIN FENCE ALIGNMENT



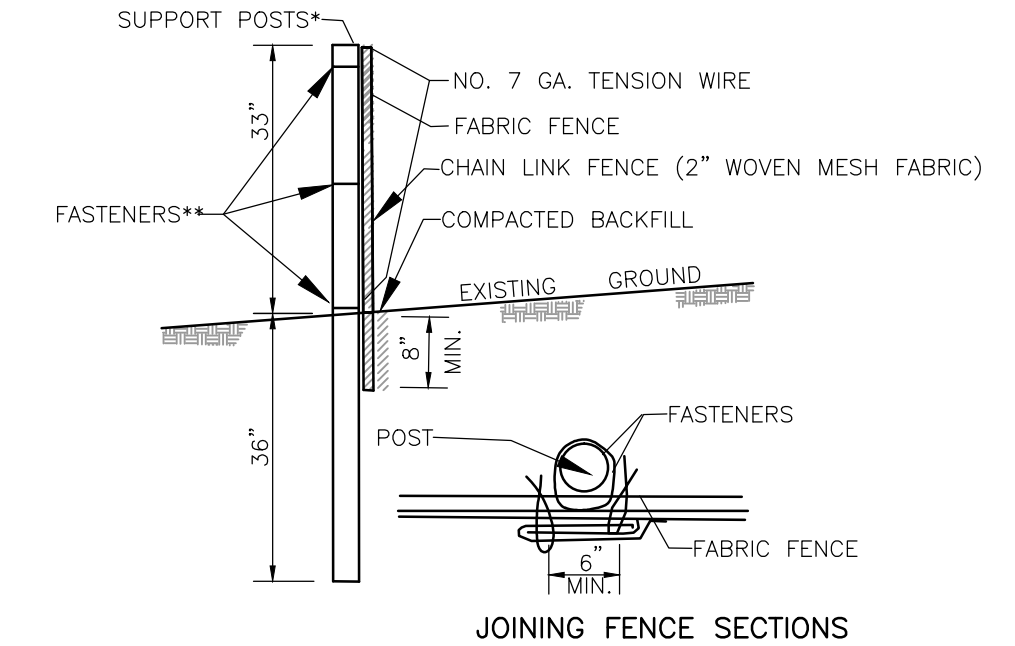
Reinforced Filter Fabric Fence - 30" High
N.T.S.



Temporary Construction Entrance
N.T.S.

MAINTENANCE: THE STRUCTURE'S THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSION BY ADDING ROCK. A STOCKPILE OF MATERIAL WILL BE MAINTAINED ON THE SITE FOR THIS PURPOSE. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON THE PUBLIC ROADWAYS, WILL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE. WASHING OF THE ROADWAY WITH WATER IS NOT PERMITTED.

NOTE: AFTER THE DRIVEWAY ENTRANCE IS PAVED A 25 FOOT LONG MINI-CONSTRUCTION ENTRANCE SHALL BE PLACED ON THE INDIVIDUAL LOTS DURING CONSTRUCTION.



JOINING FENCE SECTIONS

* Posts spaced @ 10' max. Use 2 1/2" dia. galvanized or aluminum posts.

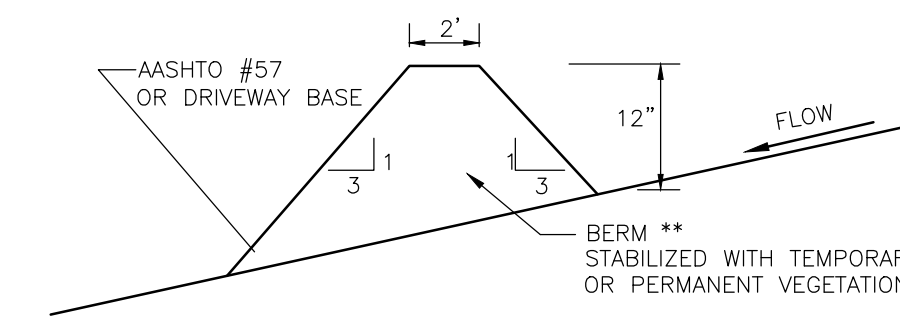
** Chain Link To Post Fasteners spaced @ 14" max. Use No. 6 Ga. aluminum wire or No. 9 galvanized steel pre-formed clips. Chain Link To Tension Wire Fasteners spaced @ 60" max. Use No. 10 Ga. galvanized steel wire. Fabric To Chain Fasteners spaced @ 24" max. C to C.

Super Silt Fence Detail
N.T.S.

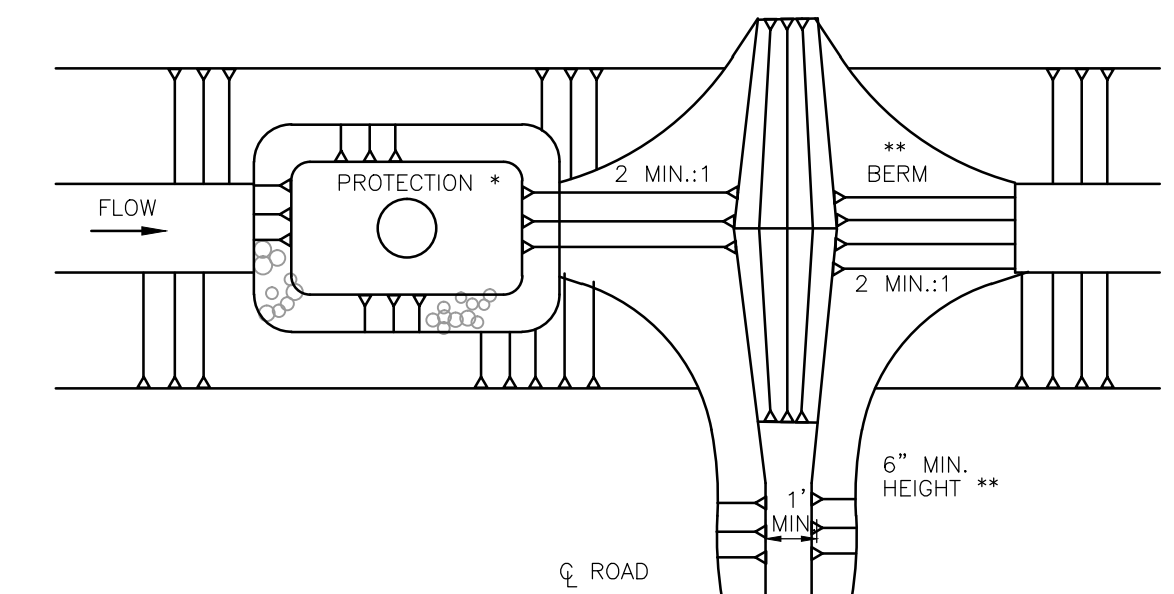
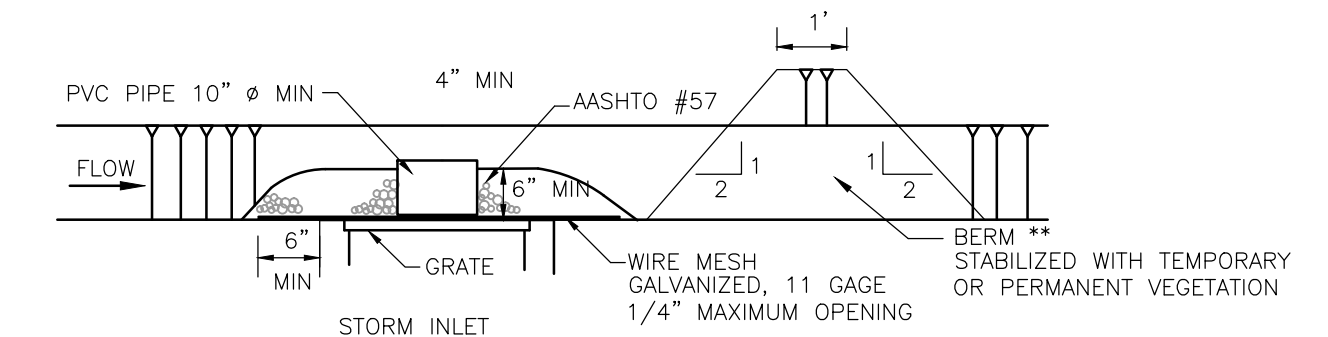
No. 7 Ga. Tension Wire installed horizontally at top and bottom of chain-link fence.

Filter Fabric Fence must be placed at existing level grade. Both ends of the barrier must be extended at least 8 feet upslope at 45 degrees to main barrier alignment.

Sediment must be removed when accumulations reach 1/2 the above ground height of the fence.

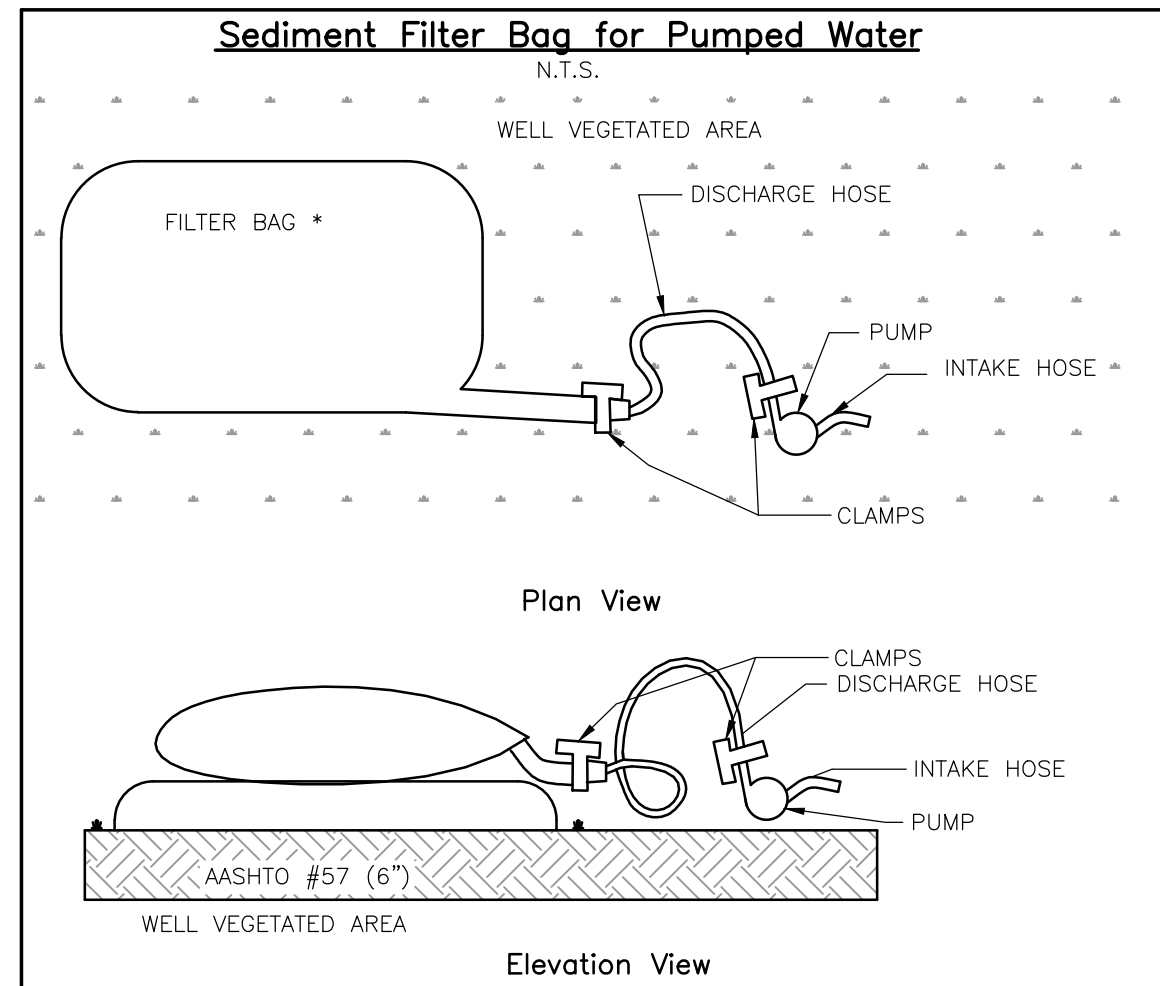


Temporary Driveway Interceptor Berm Detail



* STONE PROTECTION IS NOT REQUIRED FOR INLETS TRIBUTARY TO SEDIMENTATION BASINS AND SEDIMENT TRAPS. BERMS ARE REQUIRED FOR ALL INSTALLATIONS.
** EARTHEN BERM TO BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM TO BE MAINTAINED UNTIL ROADWAY IS PAVED.

CHANNEL OR ROADSIDE SWALE STORM INLET PROTECTION AND BERMS



Elevation View

* NON-WOVEN GEOTEXTILE FILTER BAG WHICH RETAINS ALL SEDIMENT PARTICLES LARGER THAN 150 MICRONS.

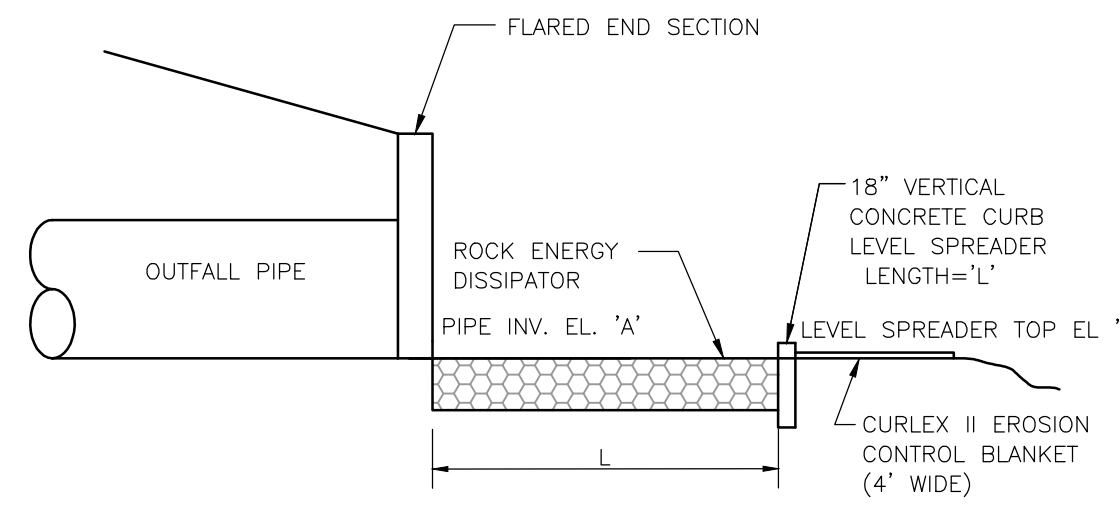
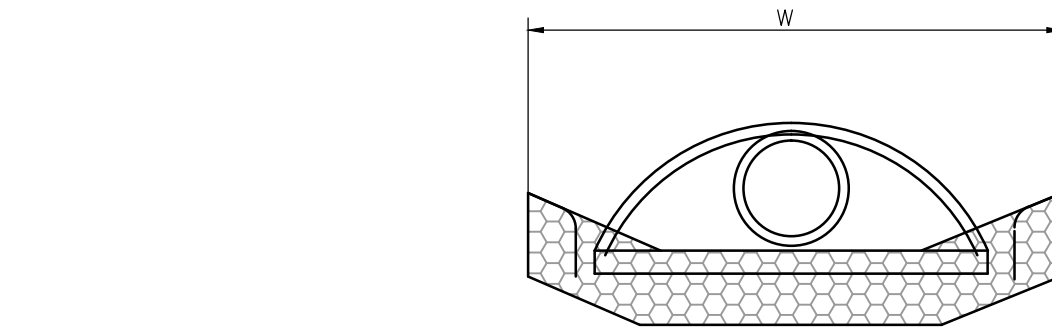
PLACE FILTER BAGS ON STABLE OR WELL VEGETATED AREAS WHICH ARE FLATTER THAN 5% AND WHICH WILL NOT ERODE WHEN SUBJECTED TO BAG DISCHARGES.

CLAMP PUMP DISCHARGE HOSES SECURELY INTO FILTER BAGS.

LIMIT PUMPING RATE TO 1/2 THE MANUFACTURER'S MAXIMUM PUMPING RATE.

WHEN SEDIMENTS FILL 1/2 THE VOLUME OF A FILTER BAG, IMMEDIATELY REMOVE THAT BAG FROM SERVICE. PROPERLY DISPOSE OF SPENT BAGS WITH THEIR SEDIMENTS.

THE DISCHARGE FROM THE FILTER BAG SHOULD NOT PASS THROUGH A DISTURBED AREA OR CAUSE AN EROSION PROBLEM DOWN SLOPE.



Level Spreader Detail
N.T.S.

Rock Energy Dissipator Schedule

#	TYPE	L	W	D	S (SIZE)
1	FES	8'	12'	14"	R4
2	FES	8'	12'	14"	R4
3	FES	6'	9'	9"	R3
4	FES	12'	15'	14"	R4
5	FES	4'	6'	9"	R3
6	FES	4'	6'	9"	R3

Level Spreader Schedule

STRUCTURE ID	'A' ELEV.	'B' ELEV.	'L' FT.
FES #1	320.25	320.75	30'
FES #2	321.50	322.00	30'
FES #3	314.00	314.25	34'

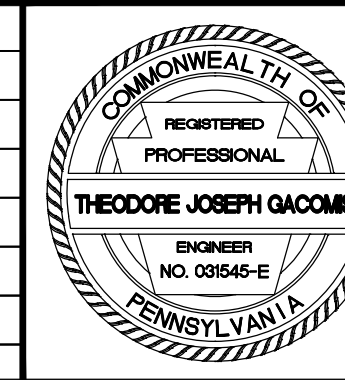
NOTE:

BEFORE INITIATING ANY REVISION TO THE APPROVED EROSION AND SEDIMENT CONTROL PLAN OR REVISIONS TO OTHER PLANS WHICH MAY AFFECT THE EFFECTIVENESS OF THE APPROVED E & S CONTROL PLAN, THE OPERATOR MUST RECEIVE APPROVAL OF THE REVISIONS FROM THE CHESTER COUNTY CONSERVATION DISTRICT.

THIS PROJECT IS IN A HIGH QUALITY WATERSHED, EXTREME CARE SHALL BE EXERCISED IN ALL DISTURBANCE ACTIVITIES TO PREVENT DEGRADATION TO THE WATERS OF THE COMMONWEALTH. BECAUSE THIS PROJECT IS IN A HIGH QUALITY WATERSHED, ALL AREAS REQUIRING INTERIM OR FINAL STABILIZATION MUST BE IMMEDIATELY STABILIZED UPON COMPLETION OF DISTURBANCE.

A COPY OF THIS PLAN SHOWING EROSION AND SEDIMENT CONTROL MUST BE POSTED AT THE CONSTRUCTION SITE IN ACCORDANCE WITH STATE LAW.

NO.	DATE	REVISION
4	8/26/11	REV. PER TOWNSHIP ENGINEER REVIEW LETTER DATED 7/8/11.
3	5/16/11	DRIVEWAY LOCATION FOR LOTS 2 & 3 MOVED 75' WEST.
2	5/25/07	FINAL PLAN
1	3/1/07	AS PER TWP & CCCD REVIEW



FINAL EROSION & SEDIMENTATION DETAILS
PLAN OF PROPERTY FOR HETTIE HERZOG
WEST VINCENT TOWNSHIP CHESTER COUNTY, PA

Edward B. Walsh & Associates, Inc.
CIVIL ENGINEERS & SURVEYORS
Lancaster Professional Center
125 Dowlan Forge Road
Exton, Pennsylvania 19341
Phone: (610) 903-0060
Fax: (610) 903-0080



PROJECT #3647
DATE: 10-5-06
SCALE: AS NOTED
DRAWN: ASH
CHECKED: TJG
SHEET: 8 OF 8