

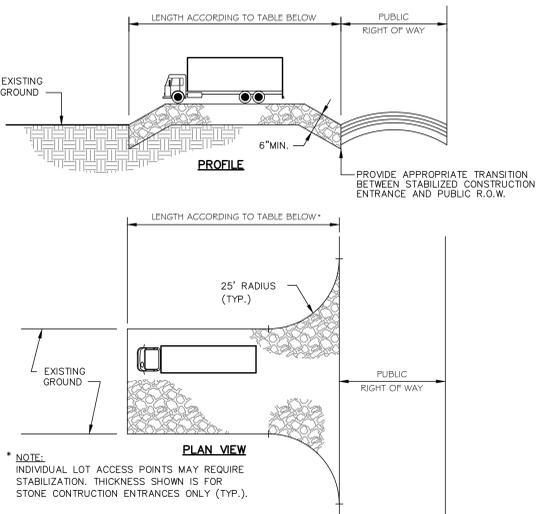
**EXCAVATED GRASS OUTLET SEDIMENT TRAP**

**CONSTRUCTION SPECIFICATION FOR ST-II**

NTS

- Volume of sediment storage shall be 1800 cubic feet per acre of contributory drainage area.
- Minimum crest width shall be 4 X Drainage Area.
- Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/4 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.

**TEMPORARY GRASS OUTLET SEDIMENT TRAP**



**STABILIZED CONSTRUCTION ACCESS**

**DESIGN CRITERIA**

STONE SIZE - USE ASTM C-33, SIZE No. 2 (2 1/2 to 1 1/2") OR 3 (2 to 1"). USE CLEAN CRUSHED ANGULAR STONE. CRUSHED CONCRETE OF SIMILAR SIZE MAY BE SUBSTITUTED BUT WILL REQUIRE MORE FREQUENT UPGRADING AND MAINTENANCE.

THICKNESS-NOT LESS THAN SIX (6) INCHES.

WIDTH-NOT LESS THAN FULL WIDTH OF POINTS OF INGRESS OR EGRESS.

LENGTH-50 FEET MINIMUM WHERE THE SOILS ARE COARSE GRAINED (SANDS OR GRAVEL) OR 100 FEET MINIMUM WHERE SOILS ARE FINE GRAINED (CLAYS OR SILTS). EXCEPT WHERE TRAVELED LENGTH IS LESS THAN 50 OR 100 FEET RESPECTIVELY, THESE LENGTHS MAY BE INCREASED WHERE FIELD CONDITIONS DICTATED. STORMWATER FROM UP-SLOPE AREAS SHALL BE DIVERTED AWAY FROM THE STABILIZED PAD (SEE STANDARD FOR DIVERSIONS, PG. 15-1) WHERE DIVERSION IS NOT POSSIBLE, THE LENGTH OF THE STABLE PAD SHALL BE AS SHOWN IN TABLE 26-1. WHERE THE SLOPE OF THE ACCESS ROAD EXCEEDS 5%, A STABILIZED BASE COURSE OF FINE AGGREGATE BITUMINOUS CONCRETE (FABC) SHALL BE INSTALLED. THE TYPE AND THICKNESS OF THE FABC AND USE OF A DENSE GRADE AGGREGATE SUB-BASE SHALL BE AS PRESCRIBED BY LOCAL MUNICIPAL ORDINANCE OR OTHER GOVERNING AUTHORITY.

AT POORLY DRAINED LOCATIONS, SUBSURFACE DRAINAGE GRAVEL FILTER OR GEOTEXTILE SHALL BE INSTALLED BEFORE INSTALLING THE STABILIZED CONSTRUCTION ACCESS.

TABLE OF LENGTHS OF CONSTRUCTION EXITS ON SLOPING ROAD BEDS

PERCENT SLOPE OF ROADWAY	LENGTH OF STONE REQUIRED	
	COARSE GRAINED SOILS	FINE GRAINED SOILS
0 TO 2%	50 ft.	100ft.
2 TO 5%	100ft.	200ft.
> 5%	ENTIRE SURFACE STABILIZED WITH FABC BASE COURSE	

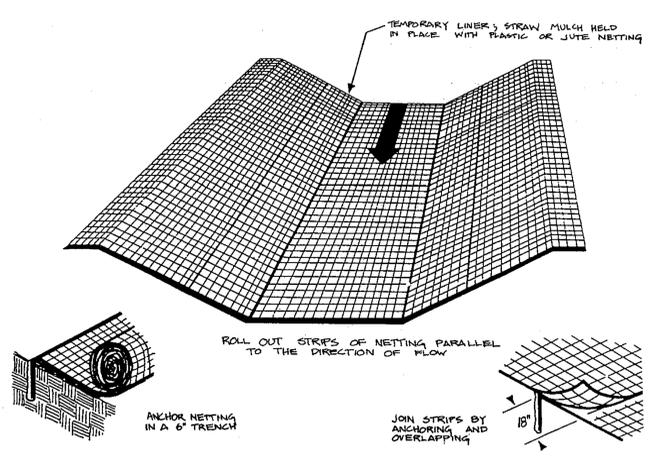
1. AS PRESCRIBED BY LOCAL ORDINANCE OR OTHER GOVERNING AUTHORITY.

**MAINTENANCE**

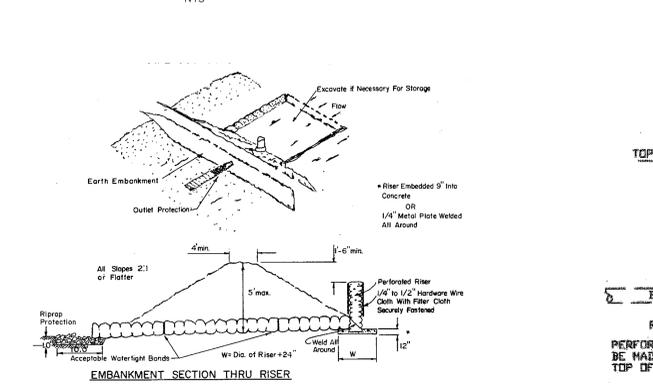
THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO ROADWAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO ROADWAYS (PUBLIC OR PRIVATE) OR OTHER IMPERVIOUS SURFACES MUST BE REMOVED IMMEDIATELY.

WHERE ACCUMULATION OF DUST/SEDIMENT IS INADEQUATELY CLEANED OR REMOVED BY CONVENTIONAL METHODS, A POWER BROOM OR STREET SWEEPER WILL BE REQUIRED TO CLEAN PAVED OR IMPERVIOUS SURFACES. ALL OTHER ACCESS POINTS WHICH ARE NOT STABILIZED SHALL BE BLOCKED OFF.

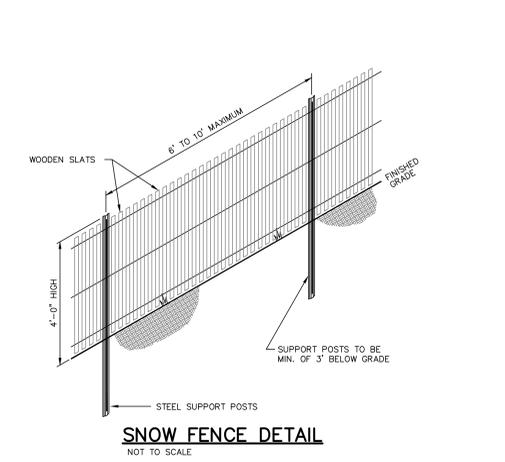
**II. GRASS-LINED CHANNELS**



**TEMPORARY GRASS-LINED CHANNEL**



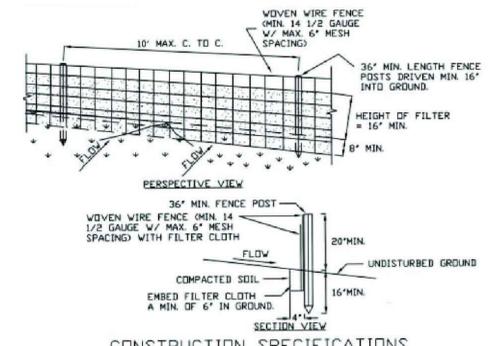
**TEMPORARY PIPE OUTLET SEDIMENT TRAP**



**SNOW FENCE DETAIL**

NOT TO SCALE

NOTE:  
ALL TEMPORARY SCS DEVICES SHALL BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS OF NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL OR NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.

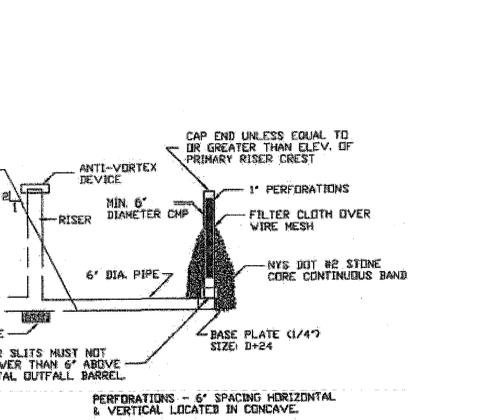


**SILT FENCE DETAIL**

NTS

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "1" OR "1/2" TYPE OR HARDWOOD.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFIT 100X, STABILINKA 1140N, OR APPROVED EQUIVALENT.
- PREFABRICATED UNITS SHALL BE GEOTAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

**CONSTRUCTION SPECIFICATIONS**



**SEDIMENT TRAP DEWATERING DEVICE - II**

PERFORATIONS OR SLITS MUST NOT BE MADE ANY LOWER THAN 6" ABOVE TOP OF HORIZONTAL OUTFALL BARREL.

PERFORATIONS - 6" SPACING HORIZONTAL & VERTICAL LOCATED IN CONCAVE.

8" MIN. DIAMETER PERFORATED PIPE WRAPPED WITH FILTER CLOTH.

12" MIN. LAYER NYS DOT #2 STONE.

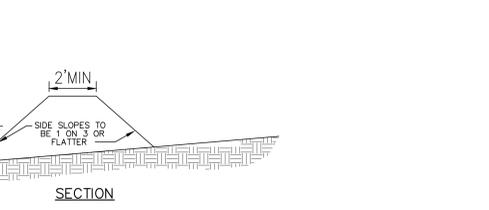
12" MIN. LAYER NYS DOT #2 STONE.

CAP END OF PIPE

**DEWATERING DEVICE DETAIL**

NTS

ALL TEMPORARY SOIL EROSION SEDIMENT CONTROL BASINS AND TRAPS SHALL INCLUDE IN DEWATERING DEVICE.

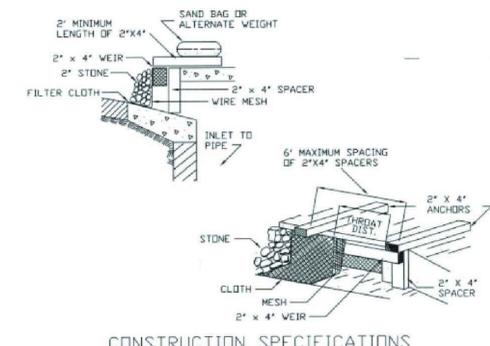


**TEMPORARY DIVERSION BERM**

NTS

NOTES:

- BERM TO BE CONSTRUCTED FROM CLEAN FILL, TOPSOIL & SEEDED WITH TEMPORARY GRASS VEGETATION OR ENTIRE EXPOSED FACE OF BERM SHALL BE COVERED WITH BURLAP, PROPERLY OVERLAPPED AND SECURELY ANCHORED TO THE BERM AND SUBGRADE.
- DIVERSION BERMS SHALL BE INSPECTED FREQUENTLY AND BE PROVIDED WITH REQUIRED MAINTENANCE AS NEEDED.



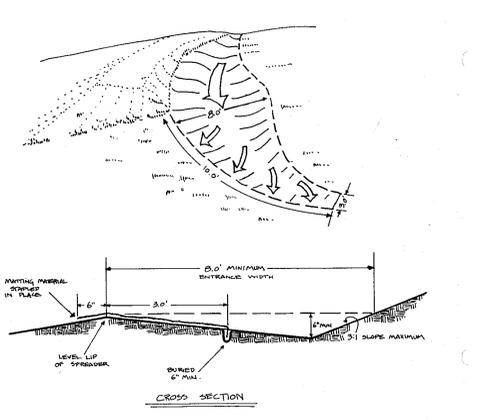
**INLET PROTECTION DETAIL**

NTS

- FILTER FABRIC SHALL HAVE AN EOS OF 40-85.
- WOODEN FRAME SHALL BE CONSTRUCTED OF 2" X 4" CONSTRUCTION GRADE LUMBER.
- WIRE MESH ACROSS THROAT SHALL BE A CONTINUOUS PIECE 30 INCH MINIMUM WIDTH WITH A LENGTH 4 FEET LONGER THAN THE THROAT. IT SHALL BE SHAPED AND SECURELY NAILED TO A 2" X 4" WEIR.
- THE WEIR SHALL BE SECURELY NAILED TO 2" X 4" SPACERS 9 INCHES LONG SPACED NO MORE THAN 6 FEET APART.
- THE ASSEMBLY SHALL BE PLACED AGAINST THE INLET AND SECURED BY 2" X 4" ANCHORS 2 FEET LONG EXTENDING ACROSS THE TOP OF THE INLET AND HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHTS.

MAXIMUM DRAINAGE AREA 1 ACRE

**CONSTRUCTION SPECIFICATIONS**



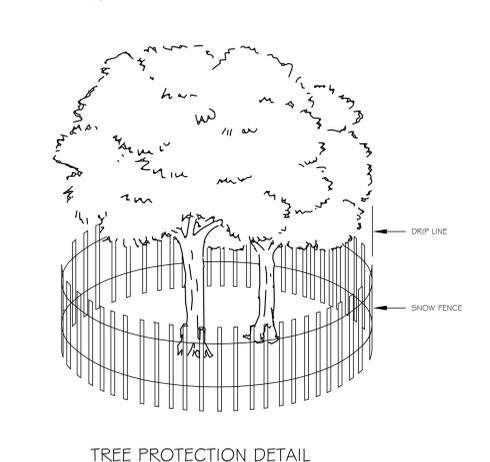
**TEMPORARY LEVEL SPREAD**

NTS

(5) CONSTRUCTION SPECIFICATIONS

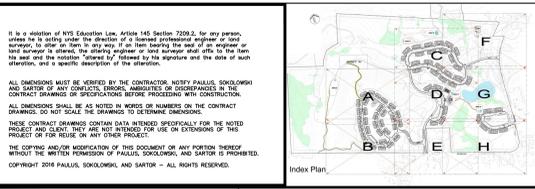
- FIBERGLASS MATTING, 4.0 FT. WIDE, SHOULD EXTEND 6" OVER THE LEVEL LIP AND BE BURIED 6" DEEP AT THE LOWER EDGE.
- ENSURE THAT THE SPREADER LIP IS LEVEL THROUGHOUT ITS LENGTH.
- CONSTRUCT THE LEVEL SPREADER ON UNDISTURBED SOIL (NOT ON FILL.)
- CONSTRUCT A TRANSITION SECTION FROM THE DIVERSION TO BLEND SMOOTHLY TO THE WIDTH AND DEPTH OF THE SPREADER.
- IMMEDIATELY AFTER CONSTRUCTION, APPROPRIATELY SEED AND MULCH THE ENTIRE DISTURBED AREA OF THE SPREADER. SEE VEGETATIVE PLAN.

**DEWATERING DEVICE DETAIL**



**TREE PROTECTION DETAIL**

NOT TO SCALE



CONSULTANTS

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DATE: 7/1/2016

REVISIONS/ISSUES

REV	DATE	DESCRIPTION
1	02/10/16	PRE-ISSUE FOR TEAM REVIEW
2	05/11/16	PRELIMINARY SITE PLAN REVIEW
3	07/5/16	SUBMISSION TO PLANNING BOARD

PROJECT TITLE

PRELIMINARY & FINAL SITE PLAN

**Gan-Eden Estates**

TOWN OF THOMPSON SULLIVAN COUNTY NEW YORK

TAX LOT SECTION 2, BLOCK 1/ LOT 6.3

SHEET TITLE

SOIL EROSION & SEDIMENT CONTROL DETAILS

INITIAL DATE	12/04/2015	JOB NO.	01895/0053
SCALE	AS NOTED	B/O	
DRAWN	CY/EM	SHEET NO.	C-22
CHKD.	AG/LAD		76 OF 79