

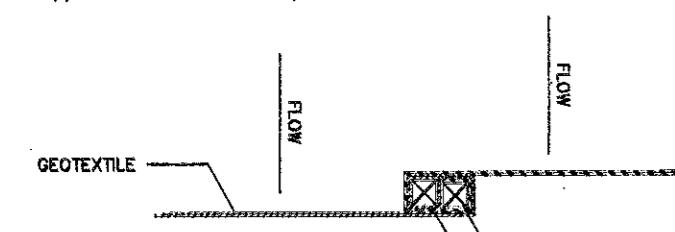
**MAXIMUM ALLOWABLE SLOPE LENGTH**  
MAXIMUM ALLOWABLE SLOPE LENGTH CONTRIBUTING RUNOFF  
TO A SECTION OF SILT FENCE SHALL BE AS FOLLOWS:

SLOPE STEEPNESS:	MAX. SLOPE LENGTH:
1:2	25 FT
1:3	50 FT
1:4	75 FT
1:5 OR FLATTER	100 FT

NOTE: MAXIMUM DRAINAGE AREA FOR OVERLAND FLOW TO SILT FENCE SECTION SHALL NOT EXCEED 1/4 ACRE PER 100 FT OF FENCE. CONCENTRATED DISCHARGE OF SEDIMENT LADED WATER SHALL NOT BE ALLOWED TO FLOW DIRECTLY TO THE FENCE.

#### CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. INSTALL SILT FENCE IN ACCORDANCE WITH THE "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", SECTION 7A.
2. WOVEN WIRE FENCE SHALL BE 1 1/2 GA. 4" MAX. MESH OPENING, FASTENED SECURELY TO WIRE POSTS OR STAPLES.
3. FILTER CLOTH TO BE TIED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
4. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE WRAPPED TOGETHER PER DETAIL 4 ON THIS PAGE.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SEDIMENT REMOVED WHEN ACCUMULATION REACHES 1/2 OF DESIGN CAPACITY OF FENCE (1/4 HEIGHT OF FILTER FABRIC) OR WHEN SIGNS DEVELOP IN FENCING.



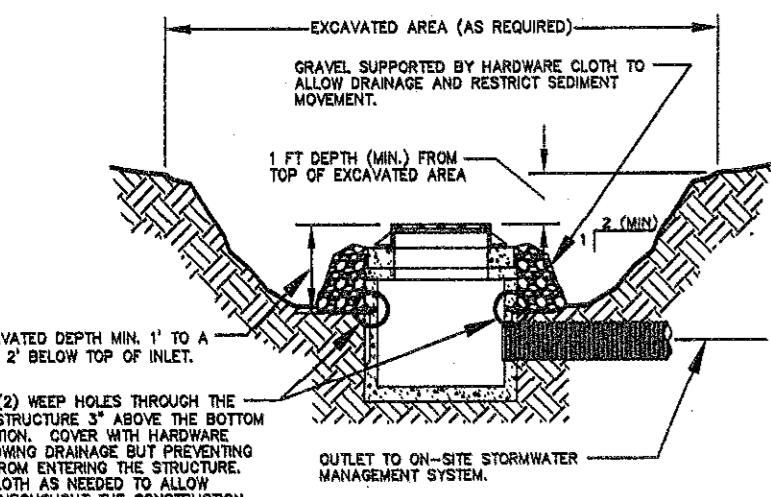
#### SILT FENCE JOINT DETAIL

**Design Criteria**  
Design computations are not required for installations of 1 month or less. Longer installations periods should be designed as indicated. If a fence joint shall be placed as close to the areas as possible, but at least 10 feet from the toe of a slope to allow for maintenance and roll down. The area beyond the fence must be undisturbed or stabilized.

Sensitive areas to be protected by silt fence may need to be reinforced by using heavy wire fencing for added support to prevent collapse. Where ends of filter cloth come together, they shall be overlapped, folded and stapled to prevent sediment bypass. A detail of the silt fence shall be shown on the plan.

#### SEDIMENT CONTROL FENCE INSTALLATION DETAIL

NOT TO SCALE



1. INSTALL SILT FENCE IN ACCORDANCE WITH THE "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", SECTION 7A FOR ALL STRUCTURES THAT WILL BE COLLECTED RUNOFF DURING CONSTRUCTION.
2. CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.
3. CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER CONSTRUCTION.
4. DEEP HOLES SHALL BE PROTECTED BY 2" STONE OR GRAVEL.
5. UPON STABILIZATION OF CONTRIBUTING DRAINAGE AREA, SEAL DEEP HOLES, FILL BASIN WITH STABLE SOIL TO FINAL GRADE, COMPACT IT PROPERLY AND STABILIZE IT.
6. THE MAXIMUM DRAINAGE AREA SHALL BE 1 ACRE.
7. STORAGE VOLUME OF THE EXCAVATED AREA SHALL BE 900 CUBIC FEET.

EXAMPLES: A BASIN 22 FT WIDE BY 22 FT LONG BY 2 FT DEEP, OR A BASIN 30 FT WIDE BY 30 FT LONG BY 2 FT DEEP, OR A BASIN 13 FT WIDE BY 23 FT LONG BY 2 FT DEEP, ETC.

#### Design Criteria

Drainage Area - The drainage area for storm drain inlets that do not exceed one acre. The crest elevations of these inlets shall provide storage and minimize bypass flow.

#### Type I - Excavated Drop Inlet Protection

See details for Excavated Drop Inlet Protection.

Limit the drainage area to the inlet device to 1 acre.

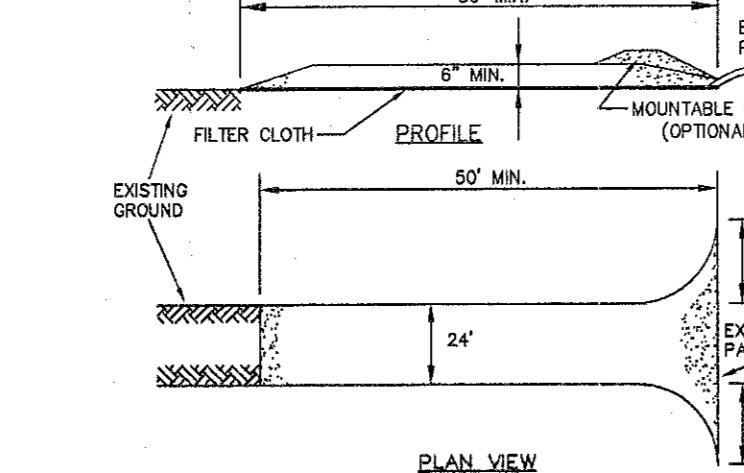
Excavated drop inlets shall be deeper than 2'. The minimum depth shall be 1' foot and the maximum depth 2' feet as measured from the crest of the inlet structure. Shape the excavated basin to fit conditions with the longest dimension oriented toward the longest distance to provide maximum 1:1 efficiency. The capacity of the excavated basin should be established to contain 900 cubic feet per acre of disturbed area. Weep holes, protected by rock and stone, should be provided for draining the temporary pool.

Inspect and clean the excavated basin after every storm.

Sediment should be removed when 50 percent of the storage volume is achieved. This material should be incorporated into the site in a stabilized manner.

#### EXCAVATED DROP INLET PROTECTION

NOT TO SCALE



#### CONSTRUCTION SPECIFICATIONS

1. INSTALL CONSTRUCTION ENTRANCE IN ACCORDANCE WITH "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", SECTION 7A.
2. STONE SIZE - 2" STONE, OR RECLAMED OR RECYCLED CONCRETE EQUIVALENT.
3. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
4. THICKNESS - NOT LESS THAN (6) INCHES.
5. STABILIZATION FABRIC - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 1:1 SLOPES MAY BE USED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT THE FLOWING OF SEDIMENT INTO PUBLIC RIGHTS-OF-WAY. ANY SEDIMENT SPILLED, DROPPED, WASHED OR TRACED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS ONTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

#### Design Criteria

Aggregate Size: Use a matrix of 1-4 inch stone, or reclaimed or recycled concrete equivalent.

Thickness: Not less than six (6) inches.

Width: 12-foot minimum but not less than the full width of points where ingress or egress occurs. 4" MIN. TOPSLOPE AND 24" MIN. BOTTOM SLOPE.

Length: As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum would apply).

Geotextile: To be placed over the entire area to be covered with aggregate. Filter cloth will not be required on a single-family residence lot. Piping of surface water under entrance shall be provided as required. If piping is impossible, a mound may be used.

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Geotextile: To be woven or nonwoven fabric consisting only of continuous chain polymeric filaments or yarns of polyester. The fabric shall be inert to commonly encountered chemicals, durable, flexible, and strong, and conform to the fabric properties as shown:

Light Duty - Heavy Duty

Medium Duty - Extra Heavy Duty

Stabilization: The fabric shall be woven or nonwoven fabric consisting only of continuous chain polymeric filaments or yarns of polyester. The fabric shall be inert to commonly encountered chemicals, durable, flexible, and strong, and conform to the fabric properties as shown:

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