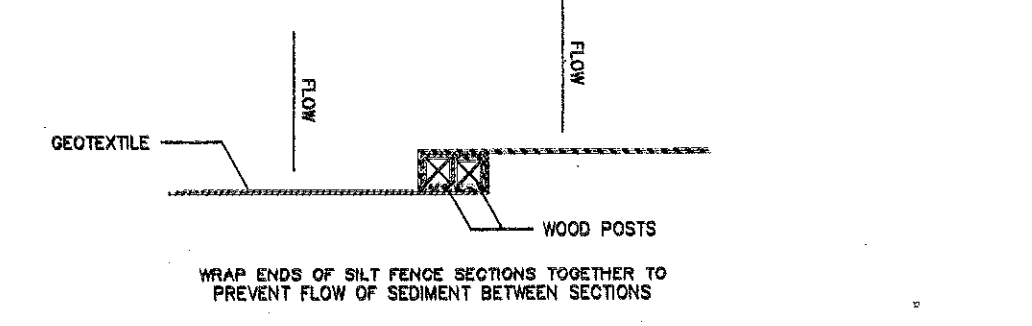


### CONSTRUCTION SPECIFICATIONS

1. INSTALL CONSTRUCTION ENTRANCE IN ACCORDANCE WITH "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", SECTION 7A.
2. STONE SIZE - USE 2" STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
3. LENGTH - NOT LESS THAN 30 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 SURF.
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 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED 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.

### 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 12 1/2 GA., 6" MAXIMUM MESH OPENING, FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
3. FILTER CLOTH TO BE TIED FASTENED 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 WASHED TOGETHER PER DETAIL 5A.14 PAGE.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SEDIMENT REMOVED WHEN ACCUMULATION REACHES 1/2 OF DESIGN CAPACITY OF FENCE (1/2 HEIGHT OF FILTER FABRIC) OR WHEN "BULGES" DEVELOP IN FENCING.

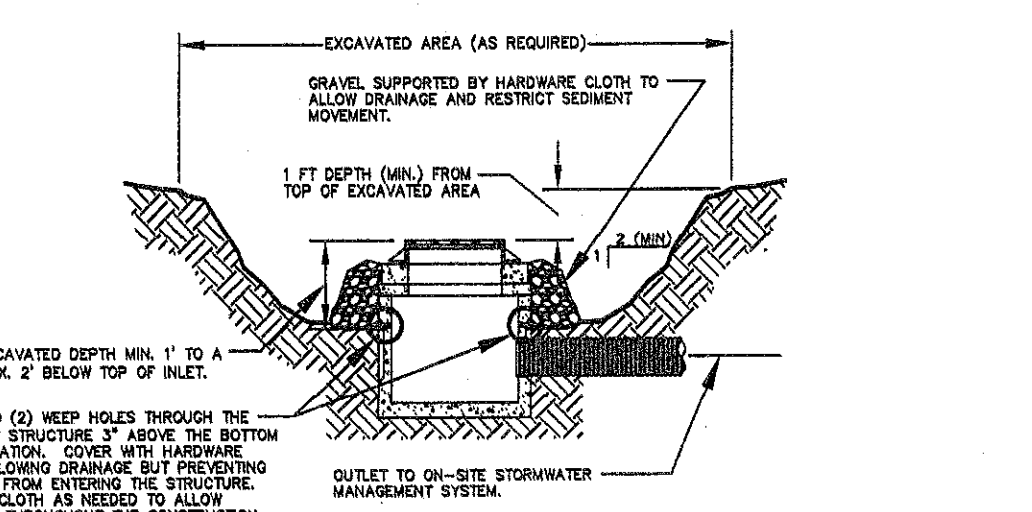


**SILT FENCE JOINT DETAIL**

Design Criteria  
Design computations are not required for installations of 1 month or less. Longer installation periods should be designed for expected runoff. All silt fences 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 INLET PROTECTION IN ACCORDANCE WITH THE "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", SECTION 7A FOR ALL STRUCTURES THAT WILL BE COLLECTING RUNOFF DURING CONSTRUCTION.
2. CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.
3. GRADE APPROACH TO THE INLET UNIFORMLY AROUND THE BASIN.
4. WEED HOLES SHALL BE PROTECTED BY 2" STONE OR GRAVEL.
5. UPON STABILIZATION OF CONTRIBUTING DRAINAGE AREA, SEAL WEED HOLES, FILL BASIN WITH STABLE SOIL TO FINAL GRADE, COMPACT IT PROPERLY AND STABILIZE WITH PERMANENT SEEDING.
6. THE MAXIMUM DRAINAGE AREA SHALL BE 1 ACRE.
7. THE 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 1 FT DEEP, OR A BASIN 13 FT WIDE BY 30 FT LONG BY 2 FT DEEP, ETC.

**Design Criteria**

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

**Type 1 - Excavated Drop Inlet Protection**  
See details for Excavated Drop Inlet Protection.

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

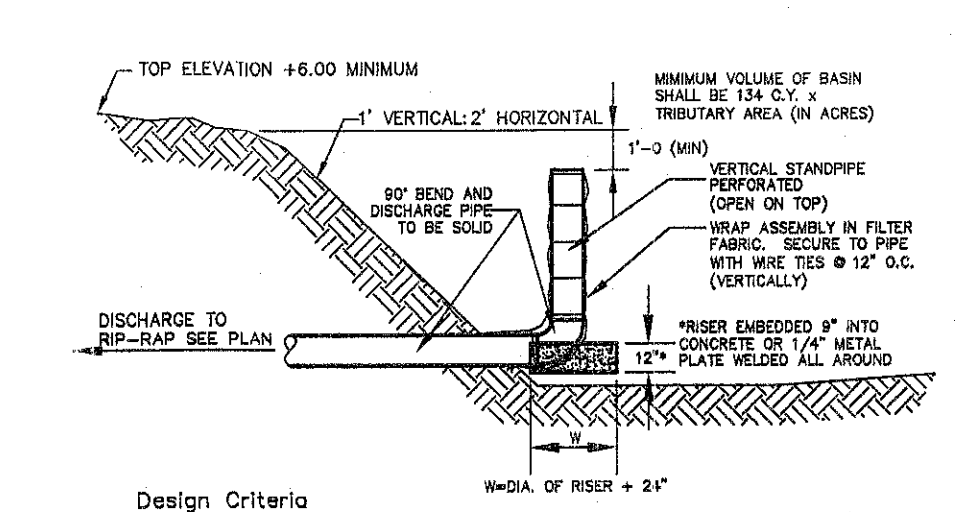
Excavated side slopes shall be no steeper than 2:1. The minimum depth shall be 1 foot and the maximum depth 2 feet as measured from the crest of the inlet structure. Shape the excavated basin to fit conditions with the longest dimension oriented toward the longest inflow area to provide maximum trap efficiency. The capacity of the excavated basin should be established to contain 900 cubic feet per acre of disturbed area. Weed holes, protected by fabric 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



**Design Criteria**  
If any of the design criteria presented here cannot be met, see Standard and Specification for Sediment Basin on page 5A.49.

**Drainage Area**  
The drainage area for sediment traps shall be in accordance with the specific type of sediment trap used (Type I through V).

**Trap Size**  
The volume of a sediment trap as measured at the elevation of the crest of the outlet shall be at least 3,500 cubic feet per acre of drainage area. The volume of a constructed trap shall be calculated using standard mathematical procedures.

**Location**  
Sediment traps shall be located so that they can be installed prior to grading or filling in the drainage area they are to protect. Traps must not be located any closer than 20 feet from a proposed building foundation if the trap is to function during building construction. Locate traps to obtain maximum storage benefit from the terrain and for ease of cleanout and disposal of the trapped sediment.

**Trap Cleanout**  
Sediment shall be removed and the trap restored to the original dimensions when the sediment has accumulated to 1/2 of the design depth of the trap. Sediment removed from the trap shall be deposited in a protected area and in such a manner that it will not erode.

**Embankment**  
All embankments for sediment traps shall not exceed five (5) feet in height as measured at the low point of the original ground along the centerline of the embankment. Embankments shall have a minimum four (4) foot wide top and side slopes of 2:1 or flatter. The embankment shall be compacted by traversing with equipment while it is being constructed. The embankment shall be stabilized with seed and mulch as soon as it is completed.

**Geotextile**  
To be placed over the entire area to be covered with aggregate. Filter cloth will not be required on a singlefamily residence lot. Piping of surface water under entrance shall be provided as required. If piping is impossible, a mountable berm with 5:1 slopes will be permitted.

**Criteria for Geotextile**  
The geotextile 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, hydrocarbons, mildew, rot resistant, and conform to the fabric properties as shown:

Fabric Properties	Light Duty Roads	Heavy Duty Roads	Test Method
Grab Tensile Strength (lbs)	200	220	ASTM D1682
Elongation at Failure (%)	50	60	ASTM D1682
Mullen Burst Strength (lbs)	190	430	ASTM D3786
Puncture Strength (lb)	40	125	ASTM D751 modifier
Equivalent Opening Size	40-80	40-80	US Std Sieve
Aggregate Depth	6	10	CW-02215

**Light Duty Road:** Area sites that have been graded to subgrade and where most travel would be single axle vehicles and on occasional multiple truck. Acceptable materials are Trevis Spunbond 1115, Mirafi 100X, Typar 5405, or equivalent.

**Heavy Duty Road:** Area sites with only rough grading, and where most travel would be multi-axle vehicles. Acceptable materials are Trevis Spunbond 1115, Mirafi 800X, or equivalent.

**Jabrics** not meeting these specifications may be used only when design procedure and supporting documentation are supplied to determine aggregate depth and fabric strength.

**Design Criteria**  
If any of the design criteria presented here cannot be met, see Standard and Specification for Sediment Basin on page 5A.49.

**Drainage Area**  
The drainage area for sediment traps shall be in accordance with the specific type of sediment trap used (Type I through V).

**Trap Size**  
The volume of a sediment trap as measured at the elevation of the crest of the outlet shall be at least 3,500 cubic feet per acre of drainage area. The volume of a constructed trap shall be calculated using standard mathematical procedures.

**Location**  
Sediment traps shall be located so that they can be installed prior to grading or filling in the drainage area they are to protect. Traps must not be located any closer than 20 feet from a proposed building foundation if the trap is to function during building construction. Locate traps to obtain maximum storage benefit from the terrain and for ease of cleanout and disposal of the trapped sediment.

**Trap Cleanout**  
Sediment shall be removed and the trap restored to the original dimensions when the sediment has accumulated to 1/2 of the design depth of the trap. Sediment removed from the trap shall be deposited in a protected area and in such a manner that it will not erode.

**Embankment**  
All embankments for sediment traps shall not exceed five (5) feet in height as measured at the low point of the original ground along the centerline of the embankment. Embankments shall have a minimum four (4) foot wide top and side slopes of 2:1 or flatter. The embankment shall be compacted by traversing with equipment while it is being constructed. The embankment shall be stabilized with seed and mulch as soon as it is completed.

**Geotextile**  
To be placed over the entire area to be covered with aggregate. Filter cloth will not be required on a singlefamily residence lot. Piping of surface water under entrance shall be provided as required. If piping is impossible, a mountable berm with 5:1 slopes will be permitted.

**Criteria for Geotextile**  
The geotextile 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, hydrocarbons, mildew, rot resistant, and conform to the fabric properties as shown:

Fabric Properties	Light Duty Roads	Heavy Duty Roads	Test Method
Grab Tensile Strength (lbs)	200	220	ASTM D1682
Elongation at Failure (%)	50	60	ASTM D1682
Mullen Burst Strength (lbs)	190	430	ASTM D3786
Puncture Strength (lb)	40	125	ASTM D751 modifier
Equivalent Opening Size	40-80	40-80	US Std Sieve
Aggregate Depth	6	10	CW-02215

**Light Duty Road:** Area sites that have been graded to subgrade and where most travel would be single axle vehicles and on occasional multiple truck. Acceptable materials are Trevis Spunbond 1115, Mirafi 100X, Typar 5405, or equivalent.

**Heavy Duty Road:** Area sites with only rough grading, and where most travel would be multi-axle vehicles. Acceptable materials are Trevis Spunbond 1115, Mirafi 800X, or equivalent.

**Jabrics** not meeting these specifications may be used only when design procedure and supporting documentation are supplied to determine aggregate depth and fabric strength.

**Design Criteria**  
If any of the design criteria presented here cannot be met, see Standard and Specification for Sediment Basin on page 5A.49.

**Drainage Area**  
The drainage area for sediment traps shall be in accordance with the specific type of sediment trap used (Type I through V).

**Trap Size**  
The volume of a sediment trap as measured at the elevation of the crest of the outlet shall be at least 3,500 cubic feet per acre of drainage area. The volume of a constructed trap shall be calculated using standard mathematical procedures.

**Location**  
Sediment traps shall be located so that they can be installed prior to grading or filling in the drainage area they are to protect. Traps must not be located any closer than 20 feet from a proposed building foundation if the trap is to function during building construction. Locate traps to obtain maximum storage benefit from the terrain and for ease of cleanout and disposal of the trapped sediment.

**Trap Cleanout**  
Sediment shall be removed and the trap restored to the original dimensions when the sediment has accumulated to 1/2 of the design depth of the trap. Sediment removed from the trap shall be deposited in a protected area and in such a manner that it will not erode.

**Embankment**  
All embankments for sediment traps shall not exceed five (5) feet in height as measured at the low point of the original ground along the centerline of the embankment. Embankments shall have a minimum four (4) foot wide top and side slopes of 2:1 or flatter. The embankment shall be compacted by traversing with equipment while it is being constructed. The embankment shall be stabilized with seed and mulch as soon as it is completed.

**Geotextile**  
To be placed over the entire area to be covered with aggregate. Filter cloth will not be required on a singlefamily residence lot. Piping of surface water under entrance shall be provided as required. If piping is impossible, a mountable berm with 5:1 slopes will be permitted.

**Criteria for Geotextile**  
The geotextile 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, hydrocarbons, mildew, rot resistant, and conform to the fabric properties as shown:

Fabric Properties	Light Duty Roads	Heavy Duty Roads	Test Method
Grab Tensile Strength (lbs)	200	220	ASTM D1682
Elongation at Failure (%)	50	60	ASTM D1682
Mullen Burst Strength (lbs)	190	430	ASTM D3786
Puncture Strength (lb)	40	125	ASTM D751 modifier
Equivalent Opening Size	40-80	40-80	US Std Sieve
Aggregate Depth	6	10	CW-02215

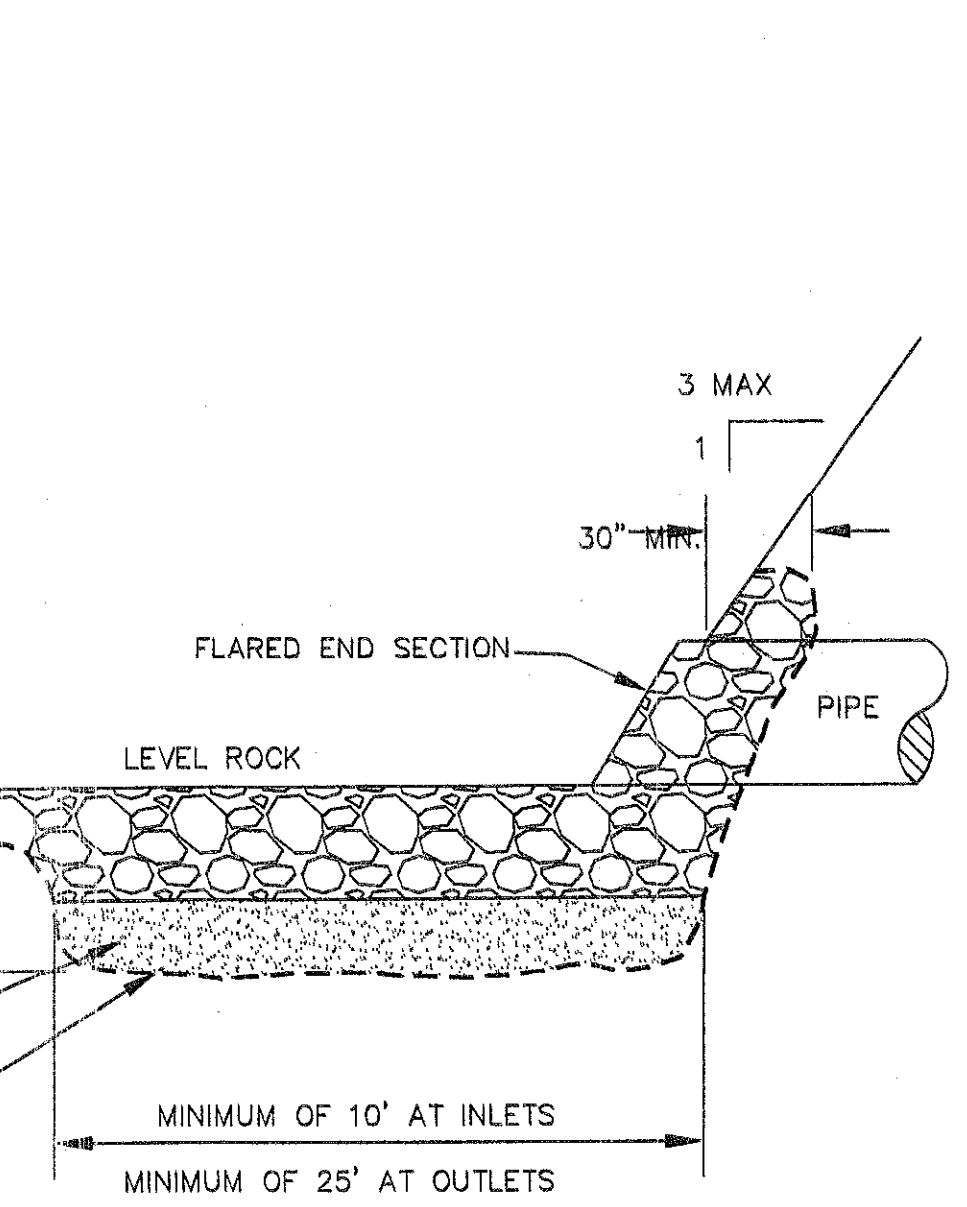
**Light Duty Road:** Area sites that have been graded to subgrade and where most travel would be single axle vehicles and on occasional multiple truck. Acceptable materials are Trevis Spunbond 1115, Mirafi 100X, Typar 5405, or equivalent.

**Heavy Duty Road:** Area sites with only rough grading, and where most travel would be multi-axle vehicles. Acceptable materials are Trevis Spunbond 1115, Mirafi 800X, or equivalent.

**Jabrics** not meeting these specifications may be used only when design procedure and supporting documentation are supplied to determine aggregate depth and fabric strength.

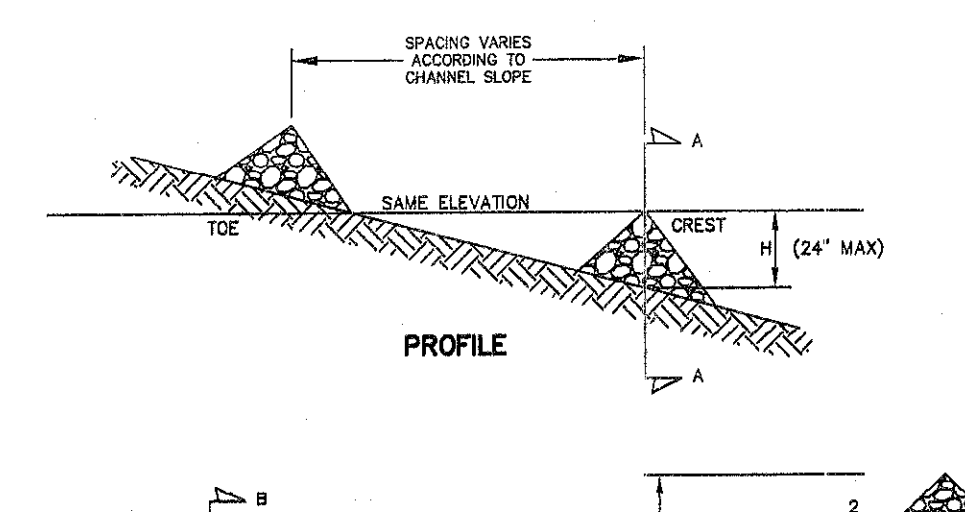
### TEMPORARY SEDIMENT TRAP DETAIL

NOT TO SCALE



### FLARE END SECTION AND RIP-RAP DETAIL

NOT TO SCALE



**Design Criteria**  
If any of the design criteria presented here cannot be met, see Standard and Specification for Sediment Basin on page 5A.49.

**Drainage Area**  
The drainage area for sediment traps shall be in accordance with the specific type of sediment trap used (Type I through V).

**Trap Size**  
The volume of a sediment trap as measured at the elevation of the crest of the outlet shall be at least 3,500 cubic feet per acre of drainage area. The volume of a constructed trap shall be calculated using standard mathematical procedures.

**Location**  
Sediment traps shall be located so that they can be installed prior to grading or filling in the drainage area they are to protect. Traps must not be located any closer than 20 feet from a proposed building foundation if the trap is to function during building construction. Locate traps to obtain maximum storage benefit from the terrain and for ease of cleanout and disposal of the trapped sediment.

**Trap Cleanout**  
Sediment shall be removed and the trap restored to the original dimensions when the sediment has accumulated to 1/2 of the design depth of the trap. Sediment removed from the trap shall be deposited in a protected area and in such a manner that it will not erode.

**Embankment**  
All embankments for sediment traps shall not exceed five (5) feet in height as measured at the low point of the original ground along the centerline of the embankment. Embankments shall have a minimum four (4) foot wide top and side slopes of 2:1 or flatter. The embankment shall be compacted by traversing with equipment while it is being constructed. The embankment shall be stabilized with seed and mulch as soon as it is completed.

**Geotextile**  
To be placed over the entire area to be covered with aggregate. Filter cloth will not be required on a singlefamily residence lot. Piping of surface water under entrance shall be provided as required. If piping is impossible, a mountable berm with 5:1 slopes will be permitted.

**Criteria for Geotextile**  
The geotextile 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, hydrocarbons, mildew, rot resistant, and conform to the fabric properties as shown:

Fabric Properties	Light Duty Roads	Heavy Duty Roads	Test Method
Grab Tensile Strength (lbs)	200	220	ASTM D1682
Elongation at Failure (%)	50	60	ASTM D1682
Mullen Burst Strength (lbs)	190	430	ASTM D3786
Puncture Strength (lb)	40	125	ASTM D751 modifier
Equivalent Opening Size	40-80	40-80	US Std Sieve
Aggregate Depth	6	10	CW-02215

**Light Duty Road:** Area sites that have been graded to subgrade and where most travel would be single axle vehicles and on occasional multiple truck. Acceptable materials are Trevis Spunbond 1115, Mirafi 100X, Typar 5405, or equivalent.

**Heavy Duty Road:** Area sites with only rough grading, and where most travel would be multi-axle vehicles. Acceptable materials are Trevis Spunbond 1115, Mirafi 800X, or equivalent.

**Jabrics** not meeting these specifications may be used only when design procedure and supporting documentation are supplied to determine aggregate depth and fabric strength.

**Design Criteria**  
If any of the design criteria presented here cannot be met, see Standard and Specification for Sediment Basin on page 5A.49.

**Drainage Area**  
The drainage area for sediment traps shall be in accordance with the specific type of sediment trap used (Type I through V).

**Trap Size**  
The volume of a sediment trap as measured at the elevation of the crest of the outlet shall be at least 3,500 cubic feet per acre of drainage area. The volume of a constructed trap shall be calculated using standard mathematical procedures.

**Location**  
Sediment traps shall be located so that they can be installed prior to grading or filling in the drainage area they are to protect. Traps must not be located any closer than 20 feet from a proposed building foundation if the trap is to function during building construction. Locate traps to obtain maximum storage benefit from the terrain and for ease of cleanout and disposal of the trapped sediment.

**Trap Cleanout**  
Sediment shall be removed and the trap restored to the original dimensions when the sediment has accumulated to 1/2 of the design depth of the trap. Sediment removed from the trap shall be deposited in a protected area and in such a manner that it will not erode.

**Embankment**  
All embankments for sediment traps shall not exceed five (5) feet in height as measured at the low point of the original ground along the centerline of the embankment. Embankments shall have a minimum four (4) foot wide top and side slopes of 2:1 or flatter. The embankment shall be compacted by traversing with equipment while it is being constructed. The embankment shall be stabilized with seed and mulch as soon as it is completed.

**Geotextile**  
To be placed over the entire area to be covered with aggregate. Filter cloth will not be required on a singlefamily residence lot. Piping of surface water under entrance shall be provided as required. If piping is impossible, a mountable berm with 5:1 slopes will be permitted.

**Criteria for Geotextile**  
The geotextile 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, hydrocarbons, mildew, rot resistant, and conform to the fabric properties as shown:

Fabric Properties	Light Duty Roads	Heavy Duty Roads	Test Method
Grab Tensile Strength (lbs)	200	220	ASTM D1682
Elongation at Failure (%)	50	60	ASTM D1682
Mullen Burst Strength (lbs)	190	430	ASTM D3786
Puncture Strength (lb)	40	125	ASTM D751 modifier
Equivalent Opening Size	40-80	40-80	US Std Sieve
Aggregate Depth	6	10	CW-02215

**Light Duty Road:** Area sites that have been graded to subgrade and where most travel would be single axle vehicles and on occasional multiple truck. Acceptable materials are Trevis Spunbond 1115, Mirafi 100X, Typar 5405, or equivalent.

**Heavy Duty Road:** Area sites with only rough grading, and where most travel would be multi-axle vehicles. Acceptable materials are Trevis Spunbond 1115, Mirafi 800X, or equivalent.

**Jabrics** not meeting these specifications may be used only when design procedure and supporting documentation are supplied to determine aggregate depth and fabric strength.

**Design Criteria**  
If any of the design criteria presented here cannot be met, see Standard and Specification for Sediment Basin on page 5A.49.

**Drainage Area**  
The drainage area for sediment traps shall be in accordance with the specific type of sediment trap used (Type I through V).

**Trap Size**  
The volume of a sediment trap as measured at the elevation of the crest of the outlet shall be at least 3,500 cubic feet per acre of drainage area. The volume of a constructed trap shall be calculated using standard mathematical procedures.

**Location**  
Sediment traps shall be located so that they can be installed prior to grading or filling in the drainage area they are to protect. Traps must not be located any closer than 20 feet from a proposed building foundation if the trap is to function during building construction. Locate traps to obtain maximum storage benefit from the terrain and for ease of cleanout and disposal of the trapped sediment.

**Trap Cleanout**  
Sediment shall be removed and the trap restored to the original dimensions when the sediment has accumulated to 1/2 of the design depth of the trap. Sediment removed from the trap shall be deposited in a protected area and in such a manner that it will not erode.

**Embankment**  
All embankments for sediment traps shall not exceed five (5) feet in height as measured at the low point of the original ground along the centerline of the embankment. Embankments shall have a minimum four (4) foot wide top and side slopes of 2:1 or flatter. The embankment shall be compacted by traversing with equipment while it is being constructed. The embankment shall be stabilized with seed and mulch as soon as it is completed.

**Geotextile**  
To be placed over the entire area to be covered with aggregate. Filter cloth will not be required on a singlefamily residence lot. Piping of surface water under entrance shall be provided as required. If piping is impossible, a mountable berm with 5:1 slopes will be permitted.

**Criteria for Geotextile**  
The geotextile 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, hydrocarbons, mildew, rot resistant, and conform to the fabric properties as shown:

Fabric Properties	Light Duty Roads	Heavy Duty Roads	Test Method
Grab Tensile Strength (lbs)	200	220	ASTM D1682
Elongation at Failure (%)	50	60	ASTM D1682
Mullen Burst Strength (lbs)	190	430	ASTM D3786
Puncture Strength (lb)	40	125	ASTM D751 modifier
Equivalent Opening Size	40-80	40-80	US Std Sieve
Aggregate Depth	6	10	CW-02215

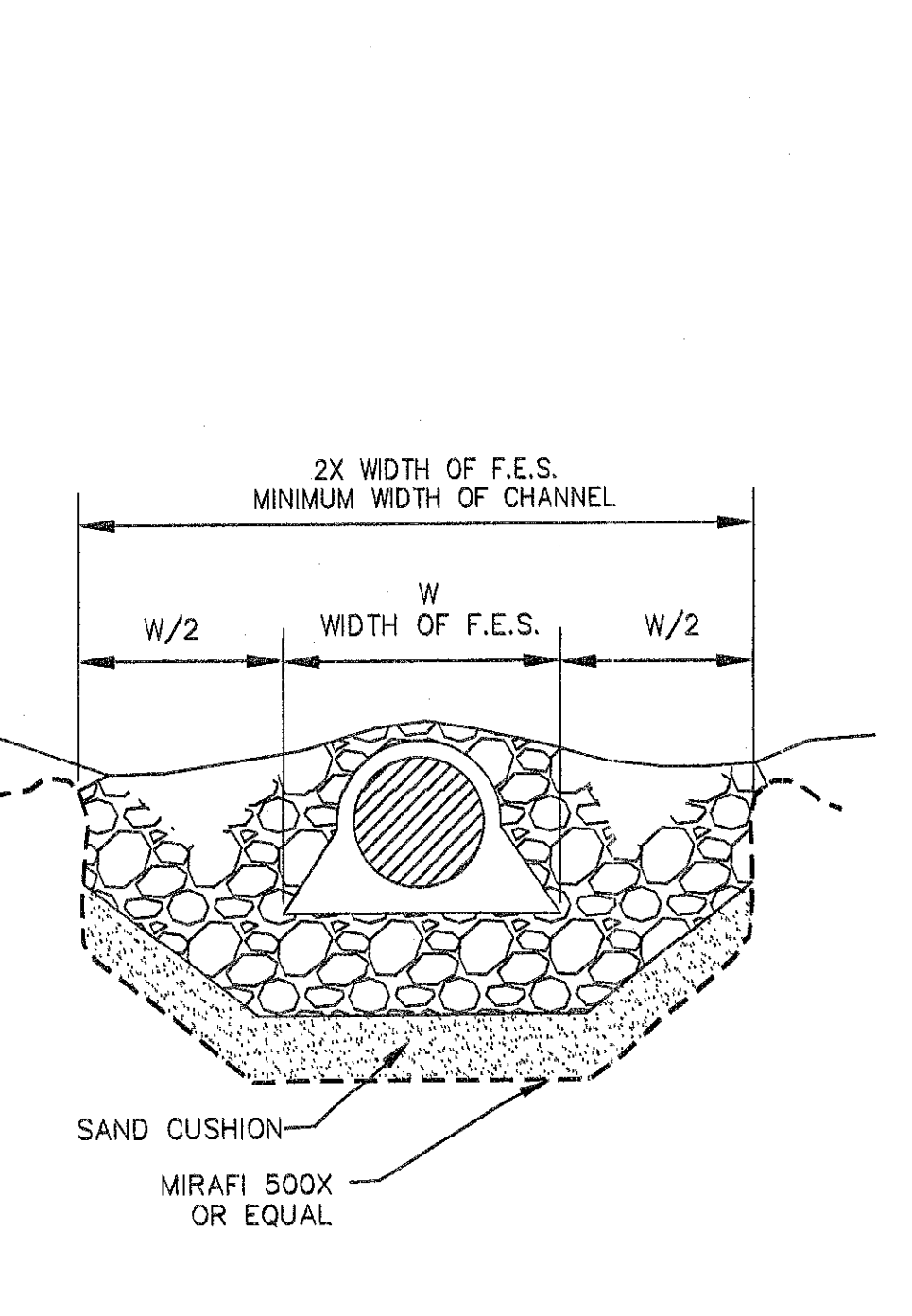
**Light Duty Road:** Area sites that have been graded to subgrade and where most travel would be single axle vehicles and on occasional multiple truck. Acceptable materials are Trevis Spunbond 1115, Mirafi 100X, Typar 5405, or equivalent.

**Heavy Duty Road:** Area sites with only rough grading, and where most travel would be multi-axle vehicles. Acceptable materials are Trevis Spunbond 1115, Mirafi 800X, or equivalent.

**Jabrics** not meeting these specifications may be used only when design procedure and supporting documentation are supplied to determine aggregate depth and fabric strength.

### STONE CHECK DAM DETAIL

NOT TO SCALE



### FLARE END SECTION AND RIP-RAP DETAIL

NOT TO SCALE

**Design Criteria**  
If any of the design criteria presented here cannot be met, see Standard and Specification for Sediment Basin on page 5A.49.

**Drainage Area**  
The drainage area for sediment traps shall be in accordance with the specific type of sediment trap used (Type I through V).

**Trap Size**  
The volume of a sediment trap as measured at the elevation of the crest of the outlet shall be at least 3,500 cubic feet per acre of drainage area. The volume of a constructed trap shall be calculated using standard mathematical procedures.

**Location**  
Sediment traps shall be located so that they can be installed prior to grading or filling in the drainage area they are to protect. Traps must not be located any closer than 20 feet from a proposed building foundation if the trap is to function during building construction. Locate traps to obtain maximum storage benefit from the terrain and for ease of cleanout and disposal of the trapped sediment.

**Trap Cleanout**  
Sediment shall be removed and the trap restored to the original dimensions when the sediment has accumulated to 1/2 of the design depth of the trap. Sediment removed from the trap shall be deposited in a protected area and in such a manner that it will not erode.

**Embankment**  
All embankments for sediment traps shall not exceed five (5) feet in height as measured at the low point of the original ground along the centerline of the embankment. Embankments shall have a minimum four (4) foot wide top and side slopes of 2:1 or flatter. The embankment shall be compacted by traversing with equipment while it is being constructed. The embankment shall be stabilized with seed and mulch as soon as it is completed.

**Geotextile**  
To be placed over the entire area to be covered with aggregate. Filter cloth will not be required on a singlefamily residence lot. Piping of surface water under entrance shall be provided as required. If piping is impossible, a mountable berm with 5:1 slopes will be permitted.

**Criteria for Geotextile**  
The geotextile 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, hydrocarbons, mildew, rot resistant, and conform to the fabric properties as shown:

Fabric Properties	Light Duty Roads	Heavy Duty Roads	Test Method
Grab Tensile Strength (lbs)	200	220	ASTM D1682
Elongation at Failure (%)	50	60	ASTM D1682
Mullen Burst Strength (lbs)	190	430	ASTM D3786
Puncture Strength (lb)	40	125	ASTM D751 modifier
Equivalent Opening Size	40-80	40-80	US Std Sieve
Aggregate Depth	6	10	CW-02215

**Light Duty Road:** Area sites that have been graded to subgrade and where most travel would be single axle vehicles and on occasional multiple truck. Acceptable materials are Trevis Spunbond 1115, Mirafi 100X, Typar 5405, or equivalent.

**Heavy Duty Road:** Area sites with only rough grading, and where most travel would be multi-axle vehicles. Acceptable materials are Trevis Spunbond 1115, Mirafi 800X, or equivalent.

**Jabrics** not meeting these specifications may be used only when design procedure and supporting documentation are supplied to determine aggregate depth and fabric strength.

**Design Criteria**  
If any of the design criteria presented here cannot be met, see Standard and Specification for Sediment Basin on page 5A.49.

**Drainage Area**  
The drainage area for sediment traps shall be in accordance with the specific type of sediment trap used (Type I through V).

**Trap Size**  
The volume of a sediment trap as measured at the elevation of the crest of the outlet shall be at least 3,500 cubic feet per acre of drainage area. The volume of a constructed trap shall be calculated using standard mathematical procedures.

**Location**  
Sediment traps shall be located so that they can be installed prior to grading or filling in the drainage area they are to protect. Traps must not be located any closer than 20 feet from a proposed building foundation if the trap is to function during building construction. Locate traps to obtain maximum storage benefit from the terrain and for ease of cleanout and disposal of the trapped sediment.

**Trap Cleanout**  
Sediment shall be removed and the trap restored to the original dimensions when the sediment has accumulated to 1/2 of the design depth of the trap. Sediment removed from the trap shall be deposited in a protected area and in such a manner that it will not erode.

**Embankment**  
All embankments for sediment traps shall not exceed five (5) feet in height as measured at the low point of the original ground along the centerline of the embankment. Embankments shall have a minimum four (4) foot wide top and side slopes of 2:1 or flatter. The embankment shall be compacted by traversing with equipment while it is being constructed. The embankment shall be stabilized with seed and mulch as soon as it is completed.

**Geotextile**  
To be placed over the entire area to be covered with aggregate. Filter cloth will not be required on a singlefamily residence lot. Piping of surface water under entrance shall be provided as required. If piping is impossible, a mountable berm with 5:1 slopes will be permitted.

**Criteria for Geotextile**  
The geotextile 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, hydrocarbons, mildew, rot resistant, and conform to the fabric properties as shown:

Fabric Properties	Light Duty Roads	Heavy Duty Roads	Test Method
Grab Tensile Strength (lbs)	200	220	ASTM D1682
Elongation at Failure (%)	50	60	ASTM D1682
Mullen Burst Strength (lbs)	190	430	ASTM D3786
Puncture Strength (lb)	40	125	ASTM D751 modifier
Equivalent Opening Size	40-80	40-80	US Std Sieve
Aggregate Depth	6	10	CW-02215

**Light Duty Road:** Area sites that have been graded to subgrade and where most travel would be single axle vehicles and on occasional multiple truck. Acceptable materials are Trevis Spunbond 1115, Mirafi 100X, Typar 5405, or equivalent.

**Heavy Duty Road:** Area sites with only rough grading, and where most travel would be multi-axle vehicles. Acceptable materials are Trevis Spunbond 1115, Mirafi 800X, or equivalent.

**Jabrics** not meeting these specifications may be used only when design procedure and supporting documentation are supplied to determine aggregate depth and fabric strength.

**Design Criteria**  
If any of the design criteria presented here cannot be met, see Standard and Specification for Sediment Basin on page 5A.49.

**Drainage Area**  
The drainage area for sediment traps shall be in accordance with the specific type of sediment trap used (Type I through V).

**Trap Size**  
The volume of a sediment trap as measured at the elevation of the crest of the outlet shall be at least 3,500 cubic feet per acre of drainage area. The volume of a constructed trap shall be calculated using standard mathematical procedures.

**Location**  
Sediment traps shall be located so that they can be installed prior to grading or filling in the drainage area they are to protect. Traps must not be located any closer than 20 feet from a proposed building foundation if the trap is to function during building construction. Locate traps to obtain maximum storage benefit from the terrain and for ease of cleanout and disposal of the trapped sediment.

**Trap Cleanout**  
Sediment shall be removed and the trap restored to the original dimensions when the sediment has accumulated to 1/2 of the design depth of the trap. Sediment removed from the trap shall be deposited in a protected area and in such a manner that it will not erode.

**Embankment**  
All embankments for sediment traps shall not exceed five (5) feet in height as measured at the low point of the original ground along the centerline of the embankment. Embankments shall have a minimum four (4) foot wide top and side slopes of 2:1 or flatter. The embankment shall be compacted by traversing with equipment while it is being constructed. The embankment shall be stabilized with seed and mulch as soon as it is completed.

**Geotextile**  
To be placed over the entire area to be covered with aggregate. Filter cloth will not be required on a singlefamily residence lot. Piping of surface water under entrance shall be provided as required. If piping is impossible, a mountable berm with 5:1 slopes will be permitted.

**Criteria for Geotextile**  
The geotextile 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, hydrocarbons, mildew, rot resistant, and conform to the fabric properties as shown:

Fabric Properties	Light Duty Roads	Heavy Duty Roads	Test Method
Grab Tensile Strength (lbs)	200	220	ASTM D1682
Elongation at Failure (%)	50	60	ASTM D1682
Mullen Burst Strength (lbs)	190	430	ASTM D3786
Puncture Strength (lb)	40	125	ASTM D751 modifier
Equivalent Opening Size	40-80	40-80	US Std Sieve
Aggregate Depth	6	10	CW-02215

**Light Duty Road:** Area sites that have been graded to subgrade and where most travel would be single axle vehicles and on occasional multiple truck. Acceptable materials are Trevis Spunbond 1115, Mirafi 100X, Typar