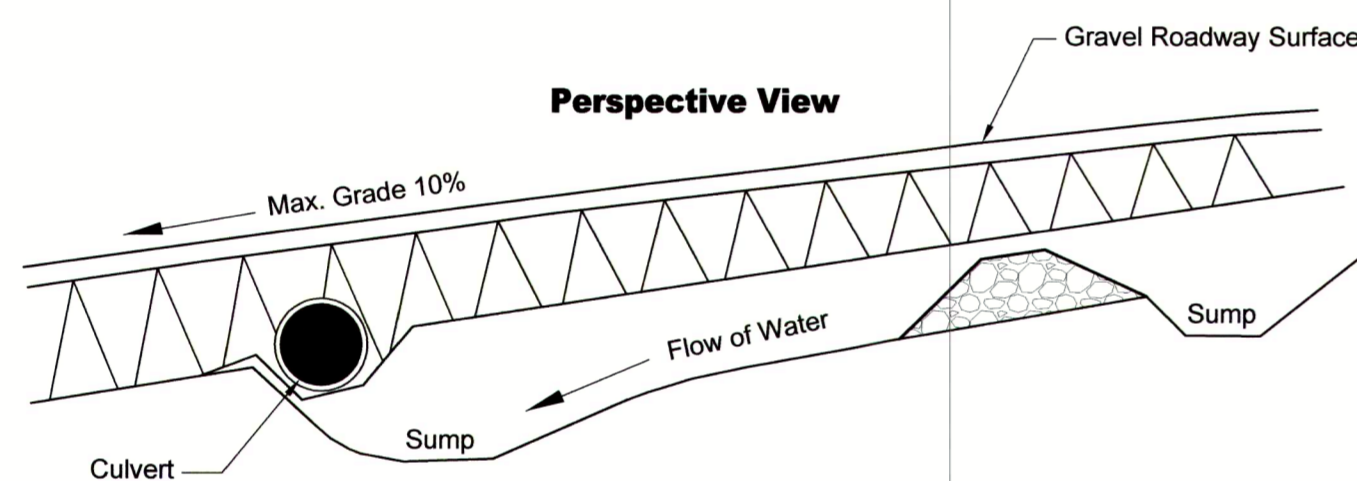
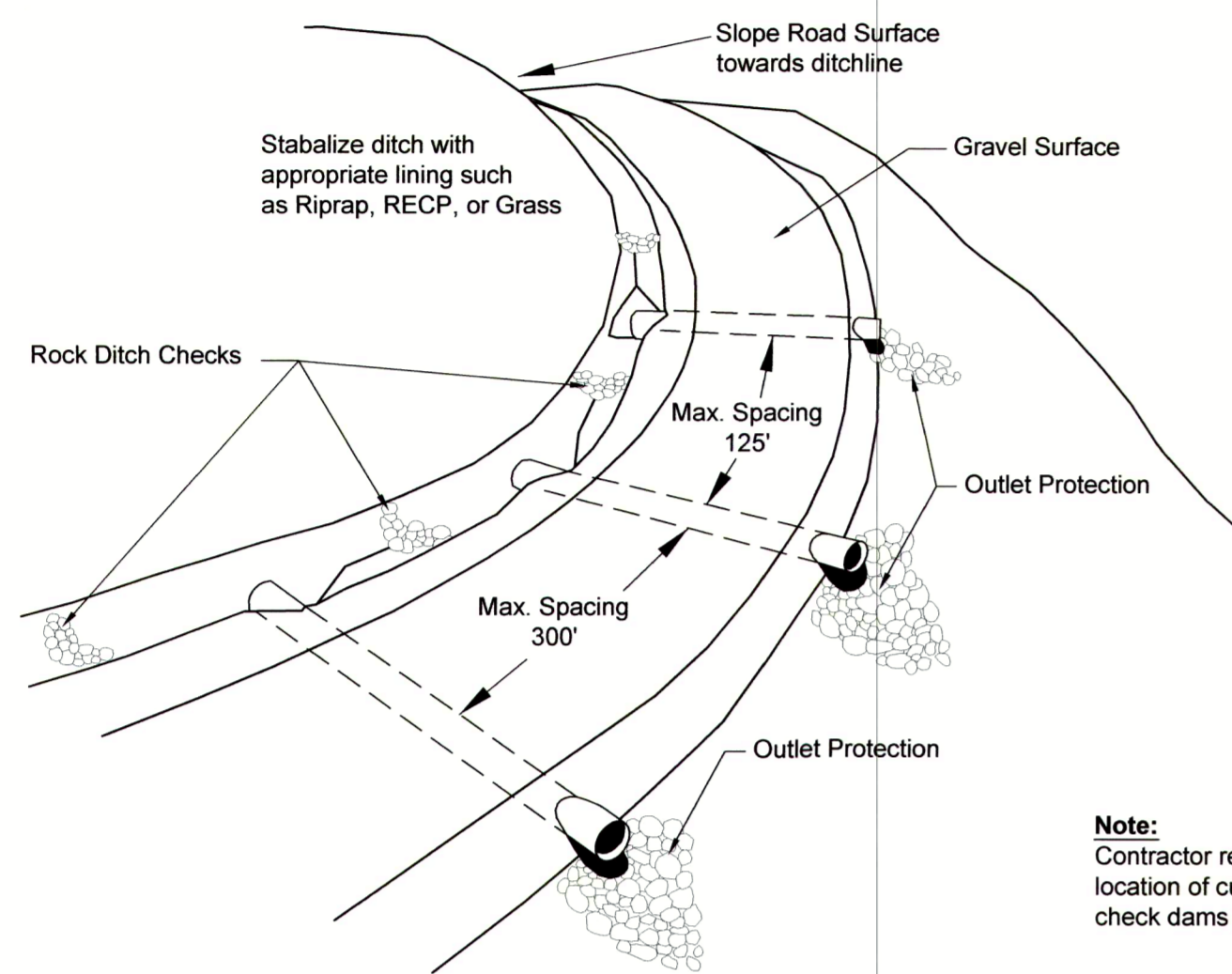
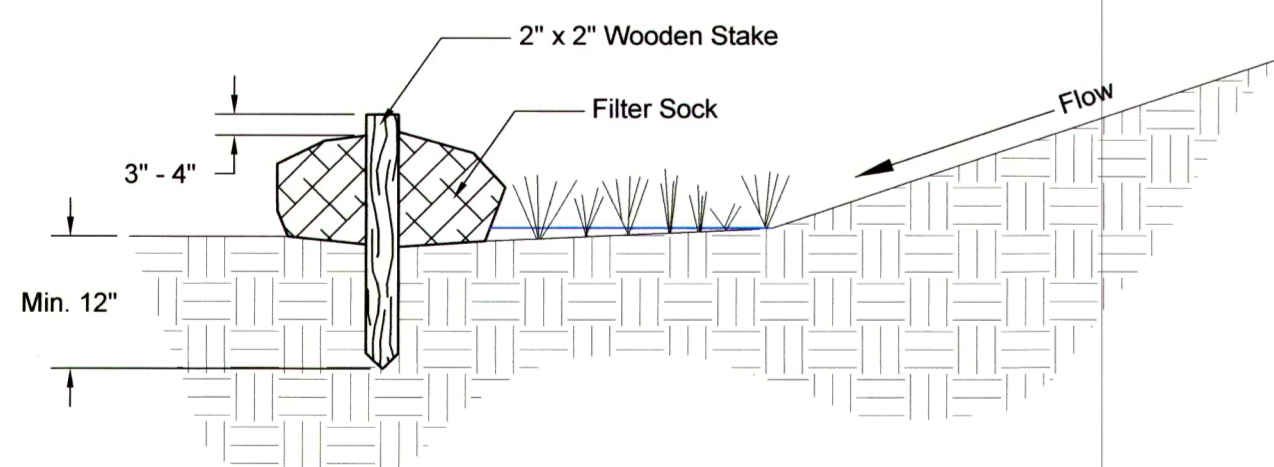


Drainage Area (Acres)	Table 3.35.1 Average Slope of Watershed			
	1%	4%	8%	16%
1 - 25	24	24	30	30
26 - 50	24	30	36	36
51 - 100	30	36	42	48

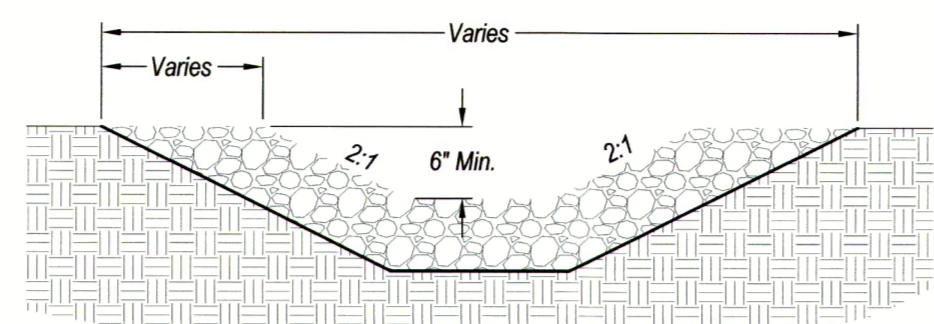


**Ditch Line Cross Section**  
**Sediment and Erosion Control for Access Roads and Driveways**  
Not to Scale

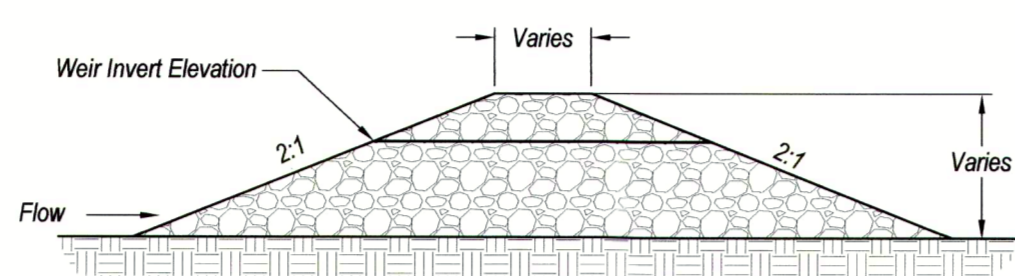


- Materials - Compost used for filter socks shall be weed, pathogen and insect free and free of any refuse, contaminants or other materials toxic to plant growth. They shall be derived from a well-decomposed source of organic matter and consist of a particles ranging from 3/8" to 2".
- Filter Socks shall be 3 or 5 mil continuous, tubular, HDPE 3/8" knitted mesh netting material, filled with compost passing the above specifications for compost products.
- Filter socks will be placed on a level line across slopes, generally parallel to the base of the slope or other affected area. On slopes approaching 2:1, additional socks shall be provided at the top and as needed midslope.
- Filter socks intended to be left as a permanent filter or part of the natural landscape, shall be seeded at the time of installation for establishment of permanent vegetation.
- Filter Socks are not to be used in concentrated flow situations or in runoff channels.
- Maintenance:
  - Routinely inspect filter socks after each significant rain, maintaining filter socks in a functional condition at all times.
  - Remove sediments collected at the base of the filter socks when they reach 1/3 of the exposed height of the practice.
  - Where the filter sock deteriorates or fails, it will be repaired or replaced with a more effective alternative.
  - Removal - Filter socks will be dispersed on site when no longer required in such as way as to facilitate and not obstruct seedings.

**Filter Sock Detail**  
Not to Scale



**ELEVATION**



**CROSS SECTION**

**Rock Check Dam**  
Not To Scale

**Slope Installation**  
**For slopes steeper than 3:1 (H:V)**

- Step 1 - Site Preparation**  
Prepare site to design profile and grade. Remove debris, rocks, clods, etc.. Ground surface should be smooth prior to installation to ensure blanket remains in contact with slope.
- Step 2 - Seeding**  
Seeding of site should be conducted to design requirements or to follow local or state seeding requirements as necessary.

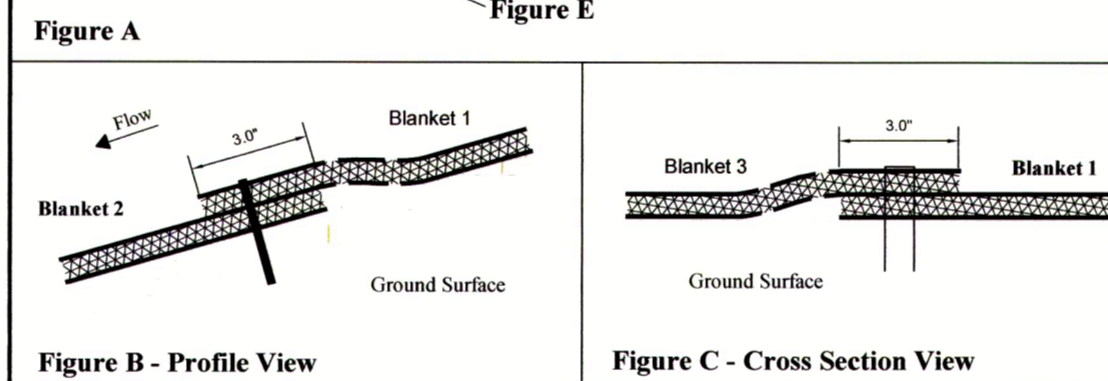
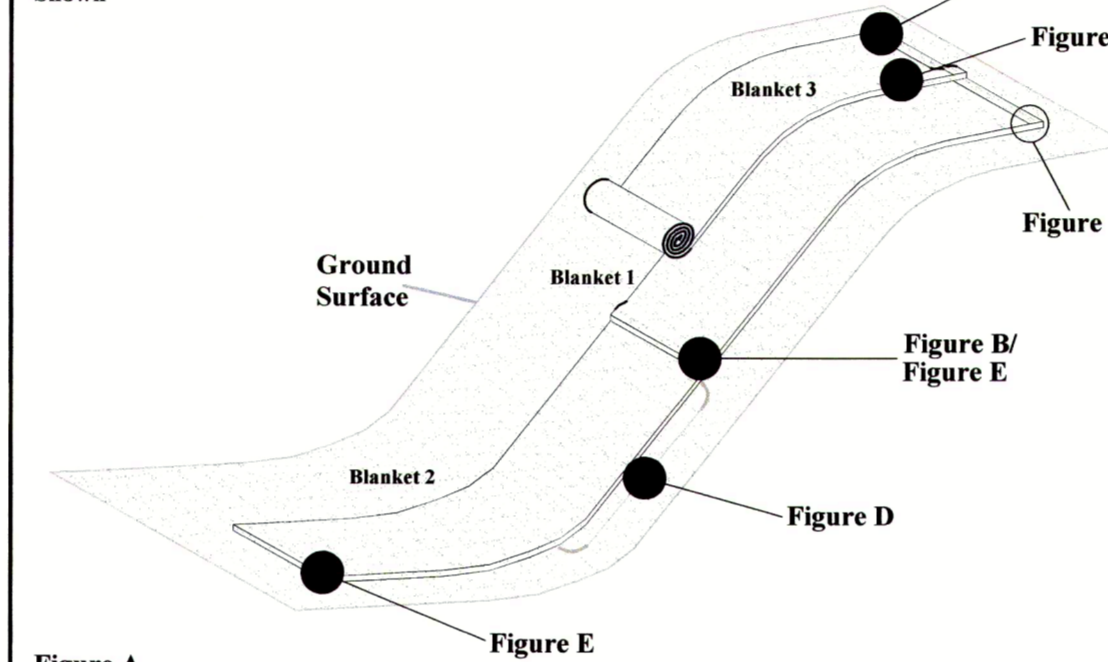
- Step 3 - Staple Selection**  
At a minimum, 6" long by 1" crown, 11 gauge staples are to be used to secure the blanket to the ground surface. Installation in rocky, sandy or other loose soil may require longer staples.

- Step 4 - Excavate Anchor Trench and Secure Blanket**  
Excavate a trench along the top of the slope to secure the upstream end of the blanket. The trench should run along the length of the installation, be 6" wide and 6" deep. Staple blanket along bottom of trench, fill with compacted soil, overlap blanket towards toe of slope and secure with row of staples (shown in Figures A, E and F).

- Step 5 - Secure Body of Blanket**  
Roll blanket down slope from anchor trench. Staple body of blanket following the pattern shown in Figure D. Leave end of blanket unstapled to allow for overlap shown in Figure B. Place downstream blanket underneath upstream blanket to from shingle pattern. Staple seam as shown in Figure E. Secure downstream blanket with stapling pattern shown in Figure D. Stapling pattern shown in Figure D reflects minimum staples to be used. More staples may be required to ensure blanket is sufficiently secured to resist mowers and foot traffic and to ensure blanket is in contact with soil surface over the entire area of blanket. Further, critical points require additional staples. Critical points are identified in Figure G.

- Step 6 - Continue Along Slope - Complete Installation**  
Overlap adjacent blankets as shown in Figure C and repeat Step 5. Secure toe of slope using stapling pattern shown in Figure E. Secure edges of installation by stapling at 1.0' intervals along the terminal edge.

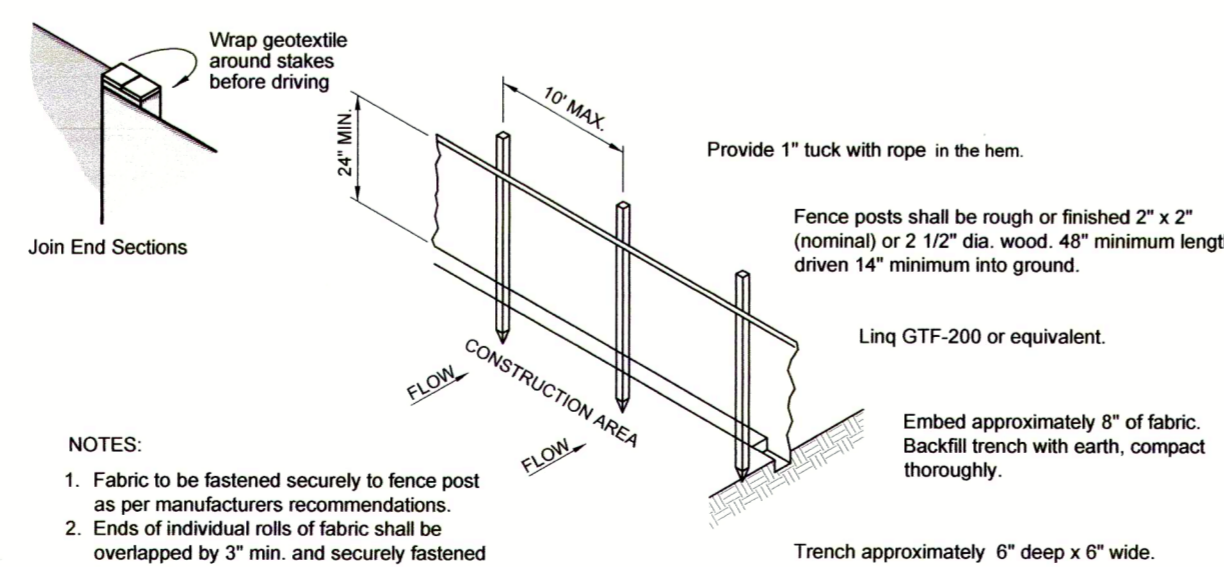
\*Approximately 120 Staples per Roll (8' or 4' width)  
Required - Drawings Not to Scale 8' Wide Blanket Shown



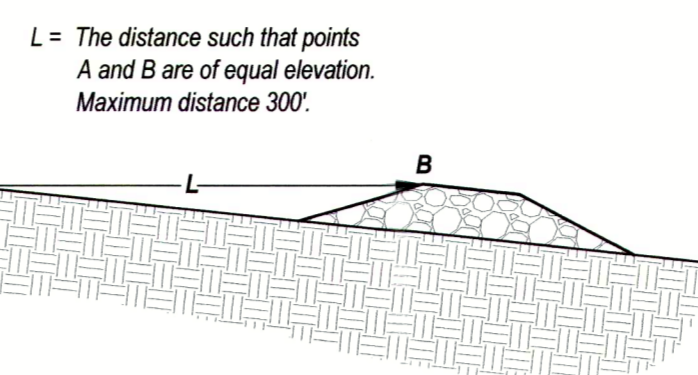
**Figure B - Profile View**      **Figure C - Cross Section View**

- Product Application/Equivalency Specifications**  
Excel SD-3 is produced by Western Excelsior and consists of an extended term Rolled Erosion Control Product (RECP) comprised of an excelsior matrix mechanically bound between two, UV stabilized, heavy duty synthetic nets (top and bottom). The expected longevity of Excel SD-3 is approximately 18 months (actual longevity dependent on field and climatic conditions). Excel SD-3 is manufactured to include physical properties sufficient to provide the intended longevity and performance. Product specifications may be found on document WE\_EXCEL\_SD3\_SPEC and performance information may be found on document WE\_EXCEL\_SD3\_PERF. All documents are available from Western Excelsior Technical Support or www.westernexcelsior.com. Additional to above, equivalent products to Excel SD-3 must meet identical criteria as Excel SD-3 as follows:
- Consist of machine produced, weed and debris free excelsior bound between two, UV stabilized, heavy duty synthetic nets (top and bottom).
  - Sufficient tensile strength, thickness and coverage to maintain integrity during installation and ensure material performance.
  - Listing within AASHTO NTPEP database.
  - Meet ECTC specification for category 3B product.

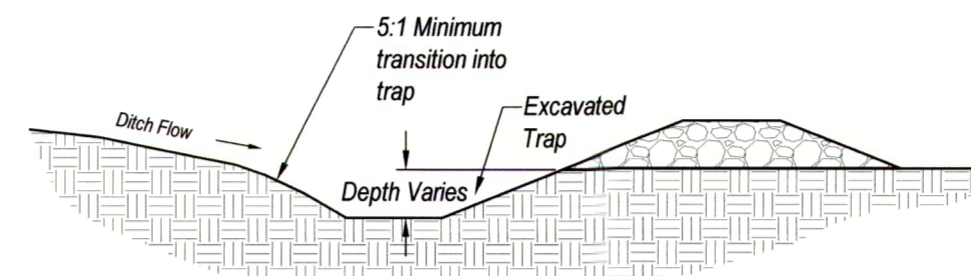
**Erosion Control Blanket**  
Not To Scale



**Standard Silt Fence Detail**  
Not To Scale

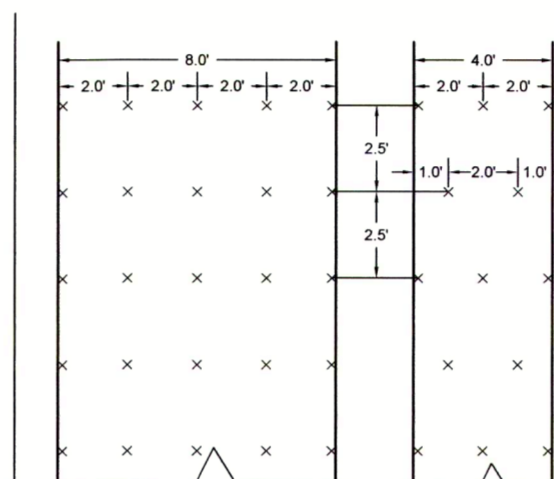


**CHECK DAM SPACING**

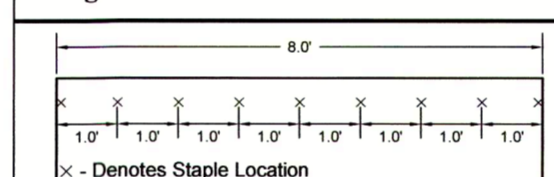


**CHECK DAM WITH SUMP**

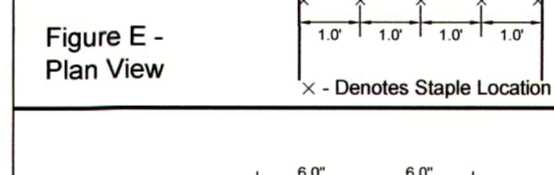
**Rock Check Dam**  
Not To Scale



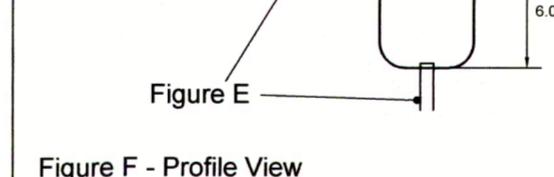
**Figure D - Plan View**



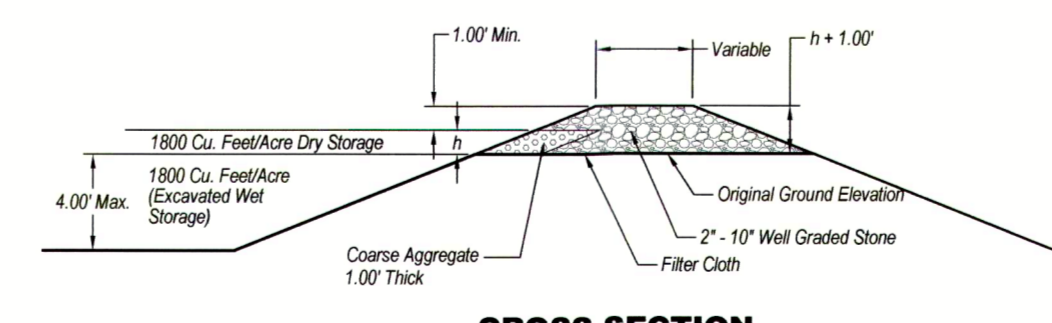
**Figure E - Plan View**



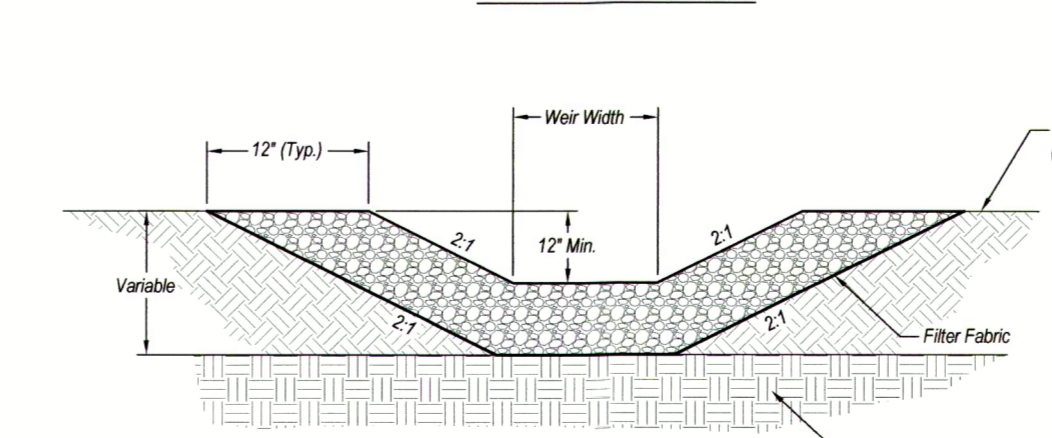
**Figure F - Profile View**



**Figure G - Critical Point Securing**

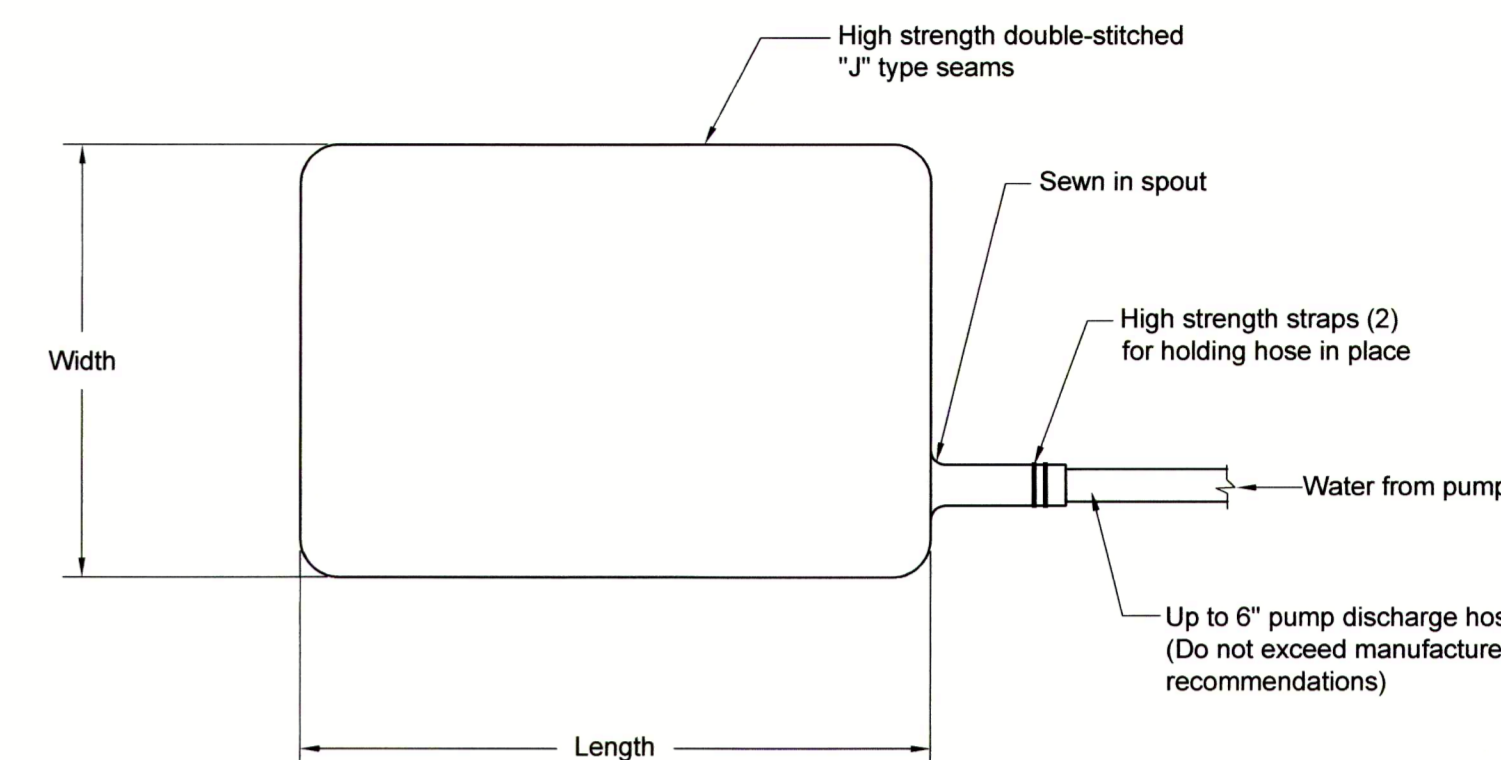


**CROSS SECTION**

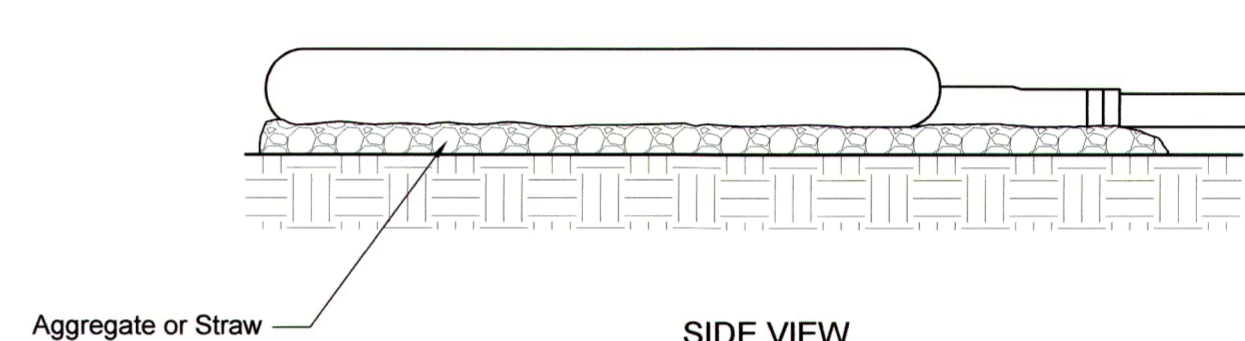


**ELEVATION**

**Rock Outlet Sediment Trap**  
Not To Scale

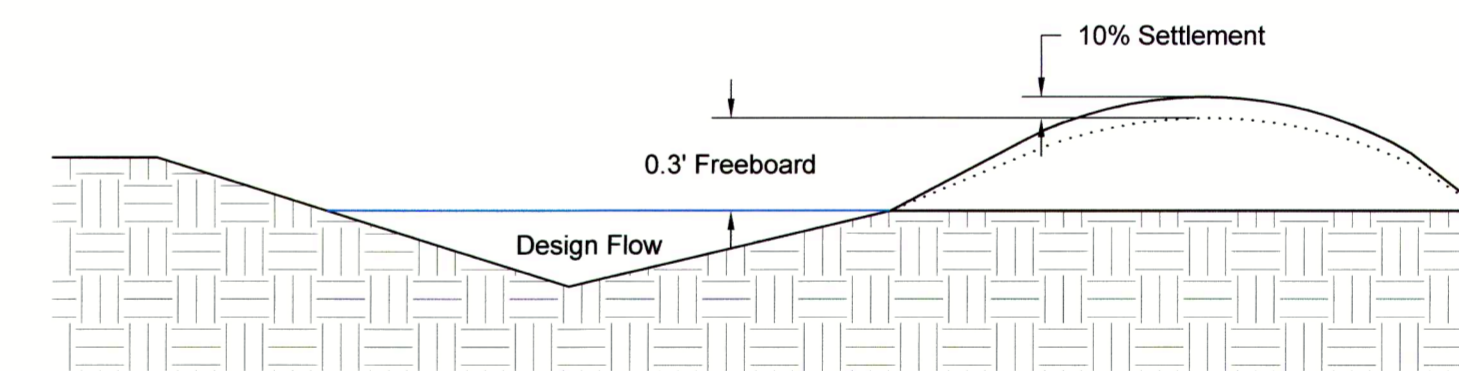


**TOP VIEW**



**SIDE VIEW**

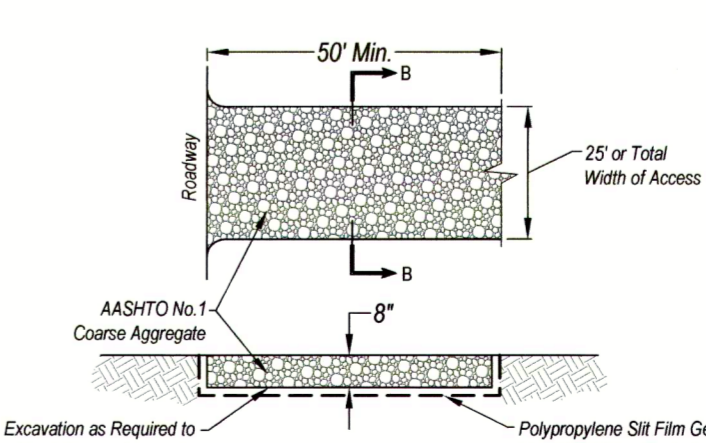
**Dewatering Bag Detail**  
Not to Scale



**Vee Shaped Diversion Detail**  
Not to Scale



**Figure G - Critical Point Securing**



**Rock Construction Entrance**  
Not to Scale

**GC&P DEVELOPMENT, LLC.**  
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www.hamiltonandassoc.com

**HAMILTON**  
Associates, Inc.

REVISIONS				
No.	DATE	DESCRIPTION	BY	CHKD

DRAWN BY: JAB  
CHECKED BY: CWP  
DATE: 04-07-2015  
COMM. NO.: 17066-1

**SHEET**  
**C3**