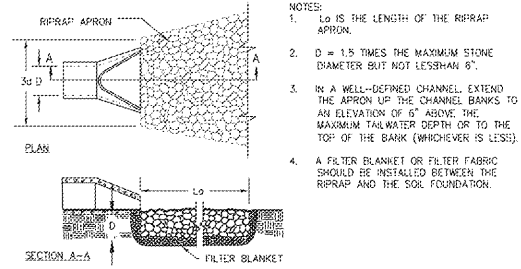


RIPRAP OUTLET PROTECTION

PIPE OUTLET TO FLAT AREA -- NO WELL DEFINED CHANNEL



- NOTES:
1. Lo IS THE LENGTH OF THE RIPRAP APRON.
 2. D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
 3. IN A WELL-DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM FLOW DEPTH OR TO THE TOP OF THE BANK (WHICHEVER IS LESS).
 4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND THE SOIL FOUNDATION.

PIPE OUTLET TO WELL DEFINED CHANNEL

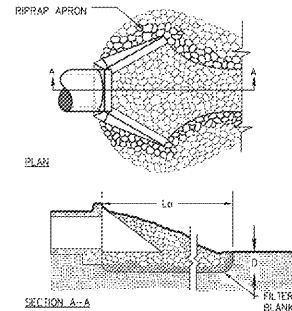


Figure 6-34.3 - Riprap Outlet Protection (Modified From Ve SWCC)

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ALTERNATE STRUCTURES FOR ENERGY DISSIPATION AT AN OUTLET
(Modified from Colson, Jackson, and Burstynsky)

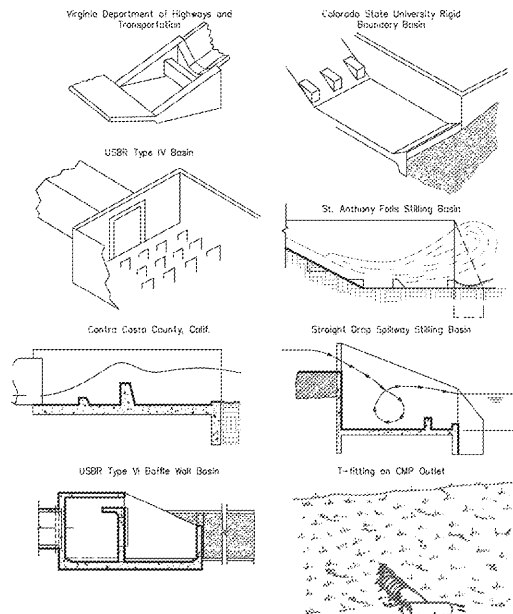


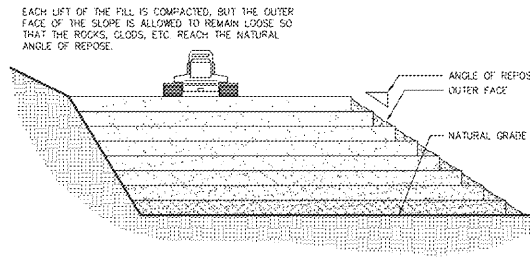
Figure 6-34.4

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FILL SLOPE TREATMENT



TRACKING

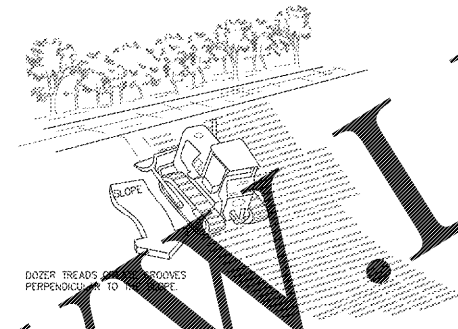


Figure 6-35.2

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STAIR STEPPING CUT SLOPES

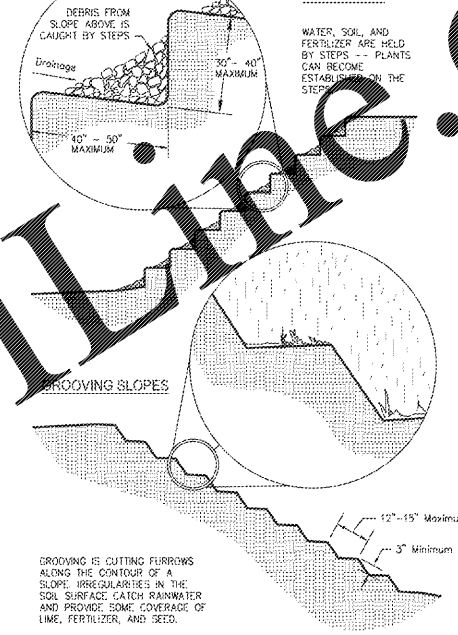


Figure 6-35.1

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SILT FENCE - TYPE C

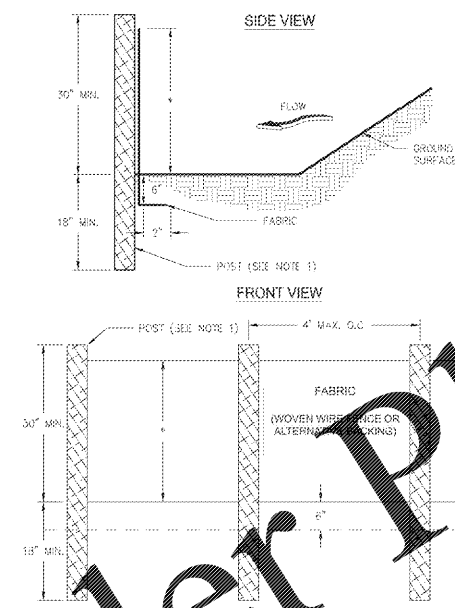


Figure 6-27.2

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FABRIC AND SUPPORTING FRAME FOR INLET PROTECTION

STEEL FRAME AND TYPICAL SILT FENCE INSTALLATION

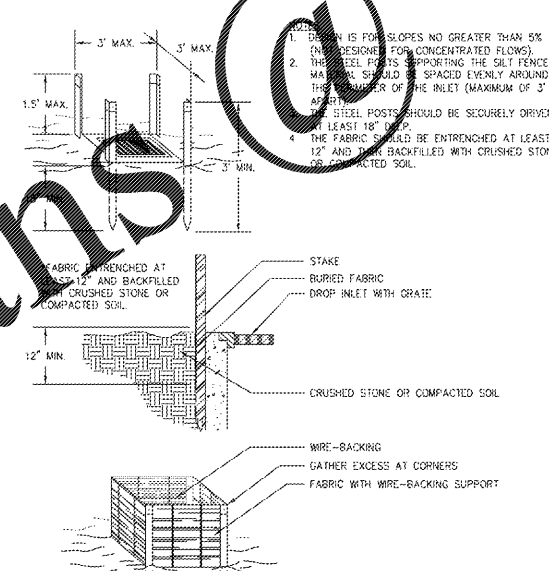


Figure 6-28.1 - Fabric and Supporting Frame For Inlet Protection

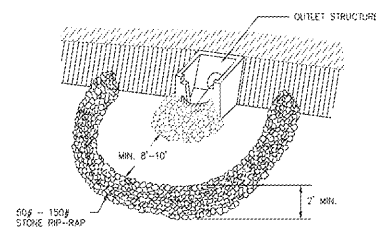
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SD2-F

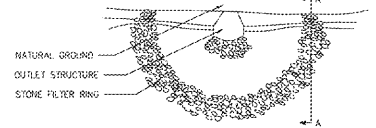
6-150

STONE FILTER RING

PERSPECTIVE VIEW



PLAN VIEW (NOT TO SCALE)



CROSS SECTION (NOT TO SCALE)

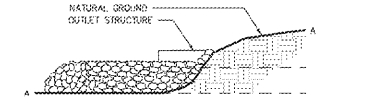


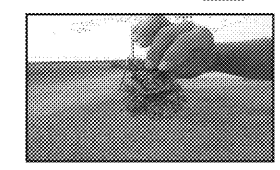
Figure 6-29.1

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TACKIFIERS



DEFINITION
Tackifiers are used as a tie-down for soil, compost, seed, straw, hay or mulch. Tackifiers hydrate in water and readily blend with other slurry materials to form a homogeneous slurry.

PURPOSE
To reduce soil erosion from wind and water on construction sites. Other benefits include soil infiltration, soil fertility, enhanced seed germination, increased soil cohesion, enhanced soil stabilization, reduced stormwater runoff turbidity and reduction in loss of topsoil.

CONDITIONS
This practice is intended for direct soil surface application to sites where the timely establishment of vegetation may not be feasible or where vegetation cover is absent or inadequate. Such areas include construction areas, where plant residues are inadequate to protect the soil surface and where land disturbing activities prevent the establishment or maintenance of a vegetative cover.

CRITERIA
Type I Tackifiers: Synthetic Polymers
Application rates shall conform to manufacturer's guidelines for application.
Only anionic forms of PAM shall be used. Anionic PAMs shall be no more than 0.05% acrylamide monomer by weight.

established by the Food and Drug Administration and the Environmental Protection Agency.

- Not harmful to plants, animals and aquatic life.
- Contain no growth or germination inhibiting materials.
- Shall not reduce infiltration rates.

Type II Tackifiers: Organic Polymers
Such as guar gum, polysaccharides, and starches

- Application rates shall conform to manufacturer's guidelines for application.
- Derived from natural plant sources.
- Not harmful to plants, animals and aquatic life.
- Contain no growth or germination inhibiting materials.
- Shall not reduce infiltration rates.

Type III Tackifiers: Synthetic/Organic Blends

- Application rates shall conform to manufacturer's guidelines for application.
- Only anionic forms of PAM shall be used in the blend, and shall be no more than 0.05% acrylamide monomer by weight.
- Organic material must be derived from natural plant sources.
- Not harmful to plants, animals and aquatic life.
- Contain no growth or germination inhibiting materials.
- Shall not reduce infiltration rates.

10/24/2018	REVISED PER SPALDING CO COMMENTS	NO
09/16/2018	REVISED PER SPALDING CO CITY OF GRIFFIN/RT INTER COMMENTS	NO
07/06/2018	REVISED PER DRAINAGE IN RM PER GOOD COMMENTS	NO
07/03/2018	REVISED SET PER SPALDING COUNTY PLAN REVIEW	NO
12/13/2017	REVISED SET PER INTERNAL REVIEW/SPALDING COUNTY PLAN REVIEW	NO
02/20/2017	REVISED SET PER INTERNAL REVIEW/SPALDING COUNTY PLAN REVIEW	NO
09/15/2017	REVISED SET PER INTERNAL REVIEW/SPALDING COUNTY PLAN REVIEW	NO

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