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Installation Instructions

Soil Installation – Ditch Check

Step 1 – Site Preparation

Prior to installation the site must be free of debris,rocks,stumps, etc. The surface shall be uniform and smooth.

Step 2 – Placement

Spacing of the Tri-Silt Dike within the ditch or channel will vary in accordance with slope and soil type. See Table A and Fig. 1 for estimated spacing for slopes up to 15%.

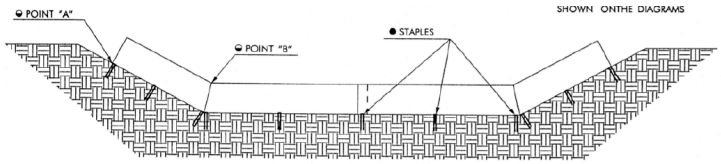


Fig. 2

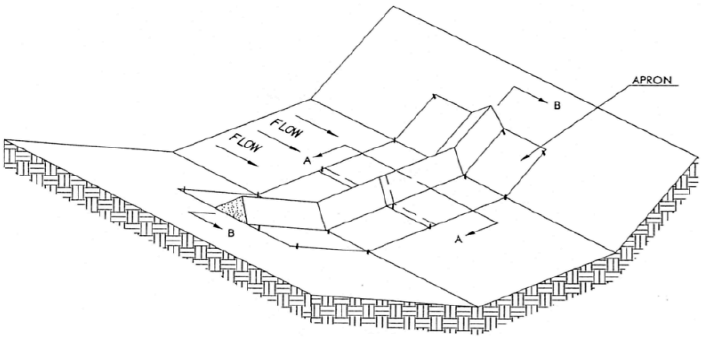
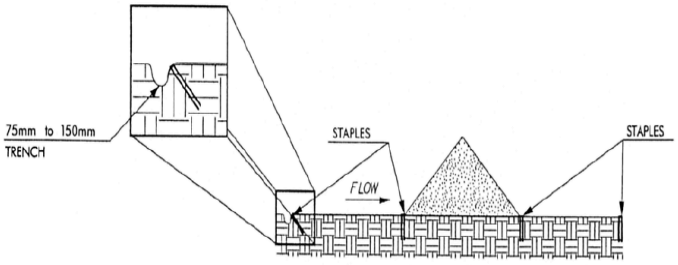


Fig. 3.

Step 3 – Trenching

As seen in Fig 4, Installer must excavate a 1-3” wide and 3-6” deep trench on the upstream side of the Tri-Silt Dike. The upstream apron will be tucked into the trench followed by anchors, infill and compaction. This step is critical to prevent undermining. See fig 4



Step 5– Inspection & Maintenance

Inspect and maintain after each rain event. It is recommended the sediment be removed at 50% capacity.

Check Dam Spacing estimates for 10" Tri-Silt Dike^1			
2% and below	3-5%	6-9%	10-15%
42 ft	28-17 ft	14-9 ft	8-6 ft

1 - up to 15% slope recommended

Table A

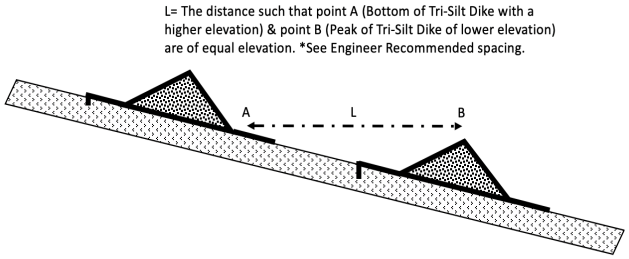


Fig. 1

Configure check dams so the sides extend up the bank slopes, with the overflow in the middle of the channel as seen in Fig. 2 & Fig. 3. The ends of each Silt Dike Check Dam should be installed up both bank slopes so that the bottom of the dam is 6 inches higher than the top of the center, See Figure 2. For ditch widths greater than 3 ft, connect two or more sections by inserting the closed end of Tri-Dike #B into the open end of Tri Dike #A. See Fig. 4

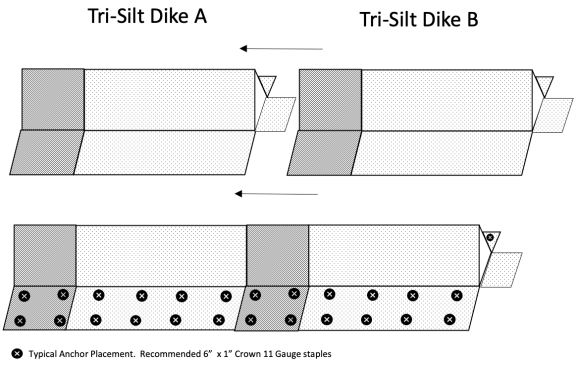


Fig. 4.

Step 4 – Anchors

Typical soil type use 6” x 1” Crown 11 Gauge staples. Install two staples every 12” along both sides of the Tri-Silt Dike. Being sure to secure the top and bottom of the apron as seen in Fig 5. *Pro Tip – Use a Staple Gun for securing anchors. Saves time and helps prevent staple damage.

Fig. 5