Ultra-Silt Dike®
Installation Instructions

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

Table A: Check Dam Spacing estimates			
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

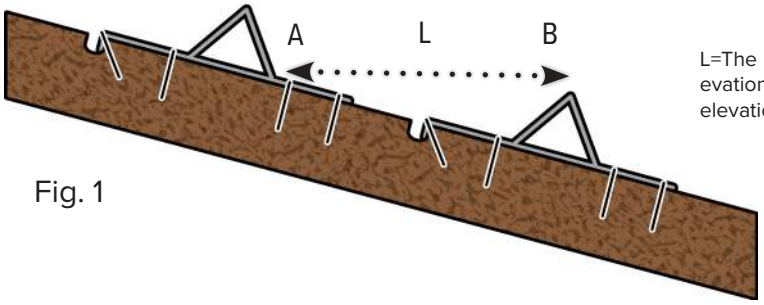

Fig. 1

L=The distance such that point A (Bottom of Silt Dike with a higher elevation) and point B (Peak of Silt Dike of lower elevation) are of equal elevation. *See Engineer Recommended spacing.

Configure check dams so the sides extend up the bank slopes, with the overflow in the middle of the channel as seen in Figure 2. The ends of each Silt Dike 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.

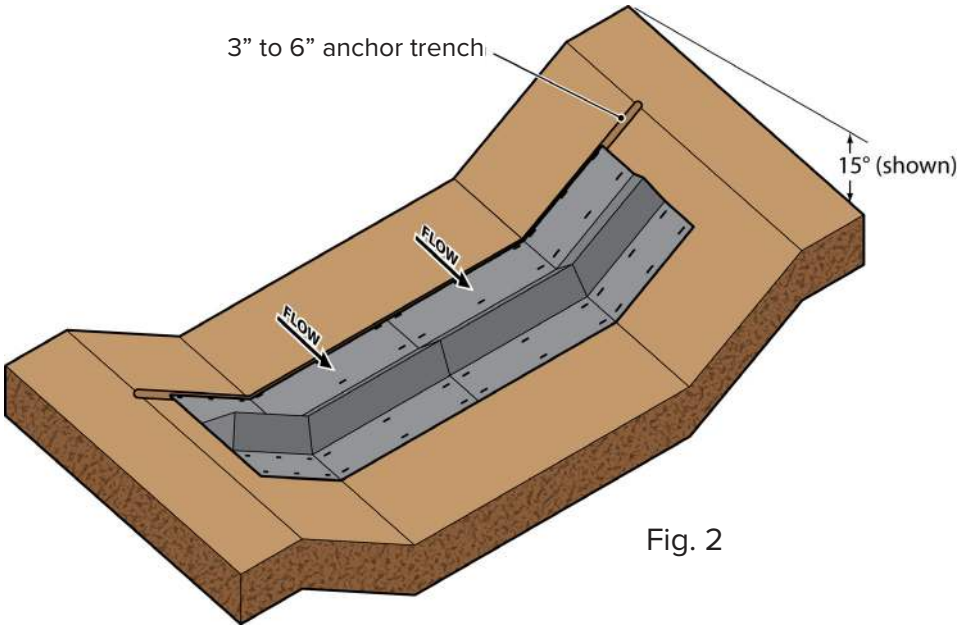

Fig. 2

UltraTech International, Inc. · 11542 Davis Creek Court, Jacksonville, Florida 32256 USA
(800) 353-1611 · 1-904-292-1611 · stormwaterproducts.com

For ditch widths greater than 3 ft, connect two or more sections by inserting the closed end of Silt Dike B into the open end of Silt Dike A. See Fig. 3

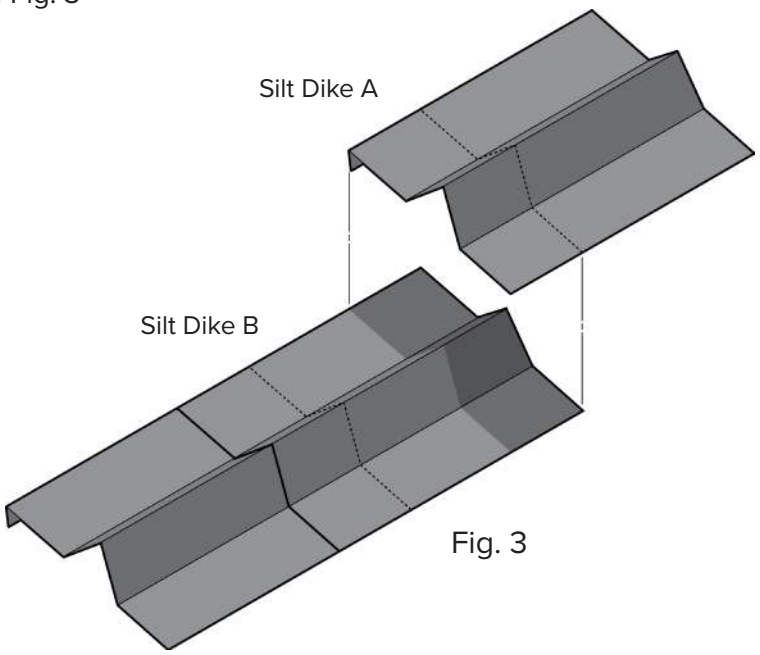

Fig. 3

Step 3 – Trenching

As seen in Figure 2, installer must excavate a 1-3” wide and 3-6” deep trench on the upstream side of the Ultra-Silt Dike. The upstream apron will be tucked into the trench followed by anchors, infill and compaction. This step is critical to prevent undermining.

Step 4 – Anchoring

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

Step 5 – Inspection & Maintenance

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