



SILT-SAVER, INC.

Manufacturer's Installation Instructions – Belted Silt Retention Fence (BSRF)
Silt Fence System Designed for the Control of Sheet Flow
Priority 1-Green Band

Product Description: The BSRF is a 36" wide, non-woven spun-bond polyester fabric with an internal scrim. The system utilizes wood stakes and a specific method of attachment. (See Installation Specifications) The BSRF, when installed as specified, produces a proven system with superior filtering capabilities in slurry conditions.

Purpose: The BSRF shall be used as a vertical interceptor of sediment transported by overland flow on construction sites. The Belted Silt Retention Fence (BSRF) has been designed and tested as a silt fence *system*.

Supporting Documents: The BSRF silt fence system underwent comprehensive testing by the University of Georgia. The study describes the proven performance and efficiency of the BSRF and provides documentation of its superior attributes. As evidenced by the study, the BSRF meets the 75% filtration efficiency requirements of the Federal Highway Administration. The University of Georgia study, in its entirety, may be found on the following websites: www.asabe.org or www.siltsaver.com.

Installation Specifications: The method of installation for the BSRF is an integral part of the system and is unlike any other installation practices. Our specifically designed process includes wood (oak) stakes and wood bonding strips at four (4') foot intervals. Four foot stakes are driven to a depth which allows 24" of fabric to be above ground. The fabric is then stretched along the *inside* perimeter of the stakes, pulled tightly and held in place with bonding strips. The bonding strips (typically 1" x 3/8" x 24") are attached to the stake with 1" x 1/4" staples. Five staples are used to secure the fabric in place against the 1/4" x 1 3/4" oak posts. This installation bonds the fabric and support system (scrim) to the vertical support post. The remaining fabric is now tucked into the trench forming a "J" and when filled with dirt creates a "ground bite". With its firm attachment to each post, the load is now spread to the total linear strength of all the posts within the system. (See installation diagram – page 3) **Any variance from the material specifications installation requirements may alter the performance of this product.**

BSRF fabric should be purchased in continuous rolls and cut to the length of the barrier to avoid joints. When joints are necessary, use an 18" – 24" overlap as show in the detail on page 2.

This product is available pre-staked to these specifications from the manufacturer.

Design Limitations: Designed for control of *sheet flow*, silt fence shall not be installed across streams, ditches, waterways, or anywhere there is *concentrated flow*. Silt fence shall not be placed around *storm water inlets* which are designed to receive *concentrated flow*.

Maintenance: Silt fence should be inspected at the end of each work day and particularly after each rainfall event. Accumulated sediment should be removed when it reaches half the height of the fence to prevent failures. Remove the fence and the accumulated sediment and stabilize the exposed area when the project is finished.

Repair: See detail – page 2.

Longevity: The life of this product is determined at the point in which it is no longer effective or needed to do the job for which it was designed. (Approximately one (1) year)

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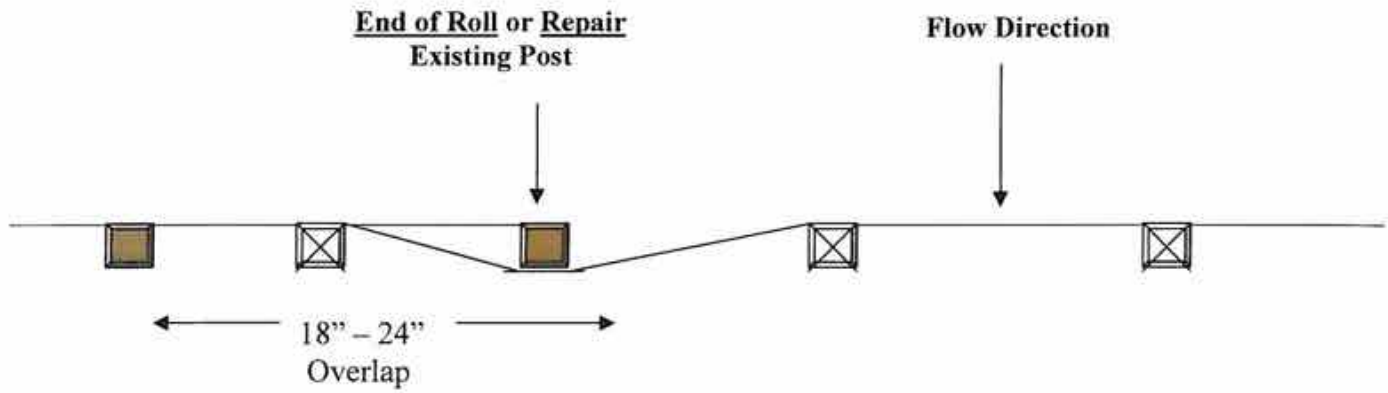
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**BELTED SILT RETENTION FENCE
INSTALLATION DETAIL
PRIORITY I - GREEN BAND**



Top View - Not To Scale

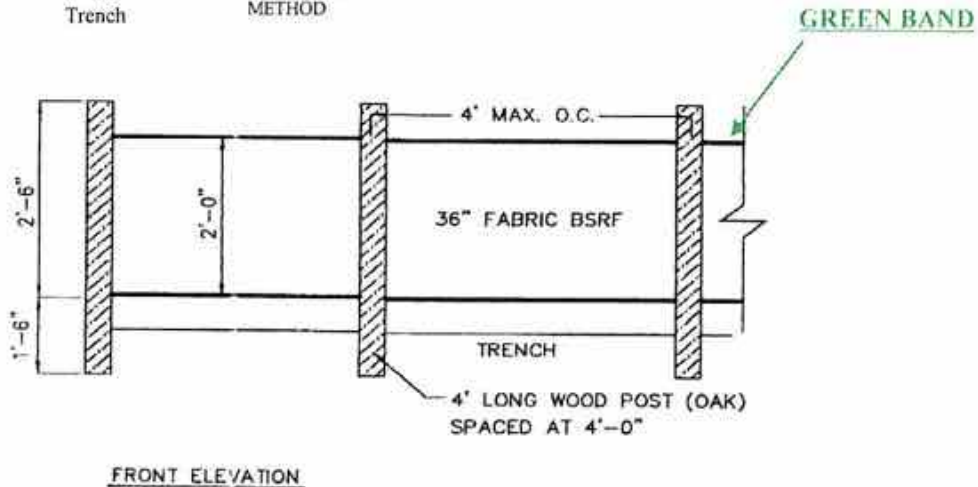
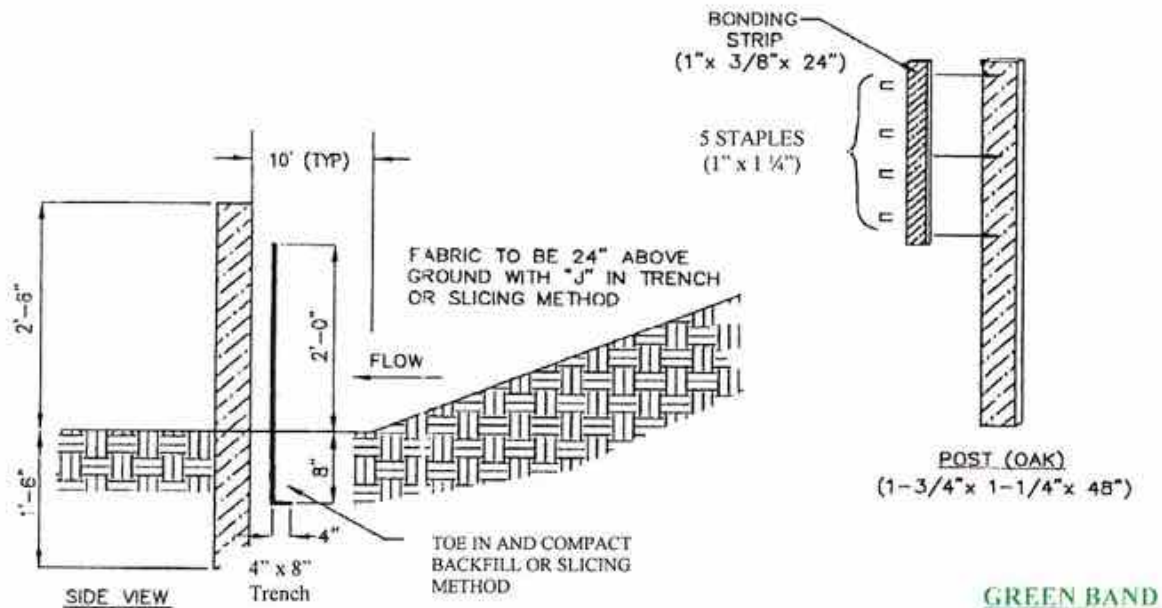
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MINIMUM OVERLAP OF 18" IS TO BE PROVIDED AT ALL SPLICE JOINTS

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