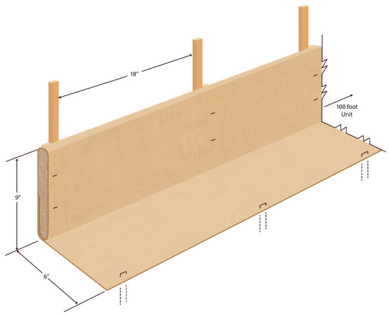
MATERIAL PROPERTY DATA SHEET

WattleFence™

Temporary • Biodegradable • Sediment Containment Device

DESCRIPTION

The WattleFence is a patented sediment retention deviceconstructed using a fleece of coconut fiber wrapped in a biodegradable jute woven fabric. The finished WattleFence has a 9” height, 100’ long with a 6” splash apron. To support the WattleFence units wood slats are stapled at 18” intervals along the length of the fence and used with ajute backstrapto constrain the device tofree standing wood stakes. The Wattle Fence provides the combined features of wattles and silt fence including sediment reduction and turbidity reduction, while using 99.99% biodegradable components.



Material Content	
Fiber Infill	100% Coconut fiber Fleece
Outer Fabric Wrap	100% woven jute fabric
Backing Slats	1.5” x 0.75” x 9”

Standard Roll Sizes		
Nominal Height	9 in	(23 cm)
Length	100 LF	(30.5 m)
Splash Apron	6-8 in	(15-20 cm)
Unit Weight	22 lbs ± 10%/100 LF	

Design Property	Typical
Maximum Flow Through Rate	20 gpm per foot
Long Term Flow Rate*	10 gpm per foot
Approximate Filter Openings**	1.0 mm
Free-Flow, Single Fence Turbidity Reduction	22%

* As sediment laden flow passes through the WattleFence, the fabric blinds, reducing flow rate and improving sediment capture.
** Filter opening defined as 95% finer grain size in material collected downstream of WattleFence in flume testing. Thus, 5% of sediments collected were equal to or greater in diameter than filter opening.

Patent No.: US: 8,776,346, US: 8,821,077
MX: MX/a/2009/014256, CAN: 2,691,455

Rev. 4.2023
Scan for additional and updated product information

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01/01/2023

RE: Certification of Conformance and Delivery for WattleFence

To Whom it May Concern:

This document has been drafted to provide certification as to the origin, properties and delivery of WattleFence, a Sediment Retention Filtration Roll (SRFR). WattleFence is produced by Western Excelsior Corporation (WEC). The material is produced in the United States. Each WattleFence unit is subjected to regular inspection and testing in accordance with the WEC Quality Assurance Program. Properties and specifications of the material are provided on document number WG_MPDS_WATTLEFENCE, attached as reference. Installation documentation may be found at www.westernexcelsior.com.

Since most WEC products are sold to distributors and stocked, WEC is typically unable to certify material type or quantity delivered to the project/project site. However, space is provided below for distributor/contractor certification of materials delivered to the project/project site.

To the best of our knowledge, the information included is accurate.

Jill Pack, CPESC
Product Manager

Standard Material Delivery Certification

Material Provided by (Distributor/Contractor): _____

Material Provided to (Contractor/Project): _____

Project Name / Project Number: _____

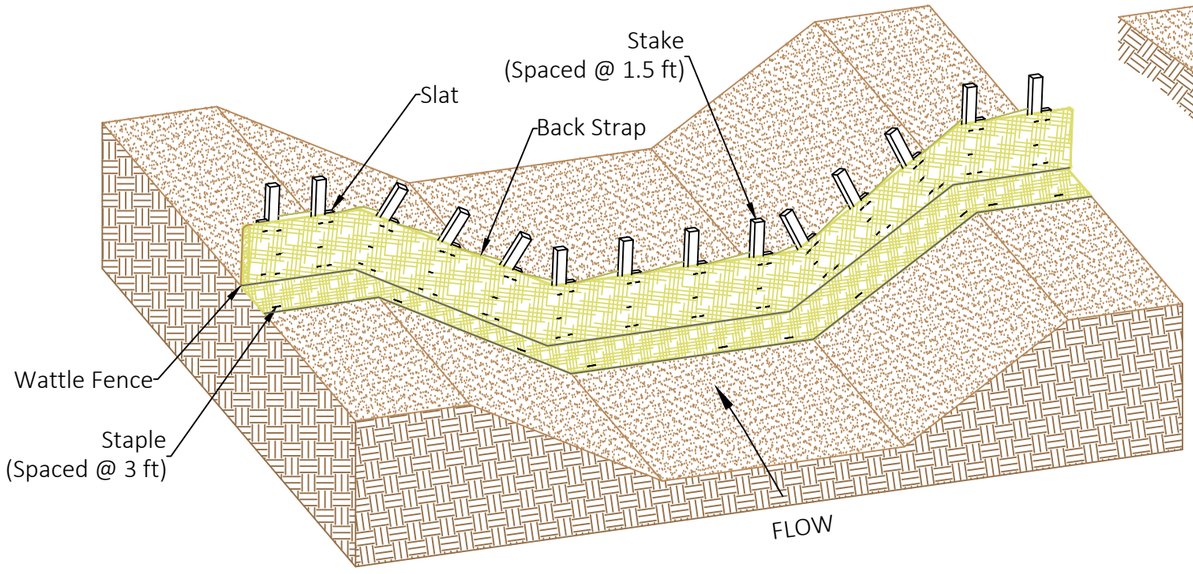
Rolls / Square Yards Provided: _____

Specification #: _____

Signature: _____ Date: _____

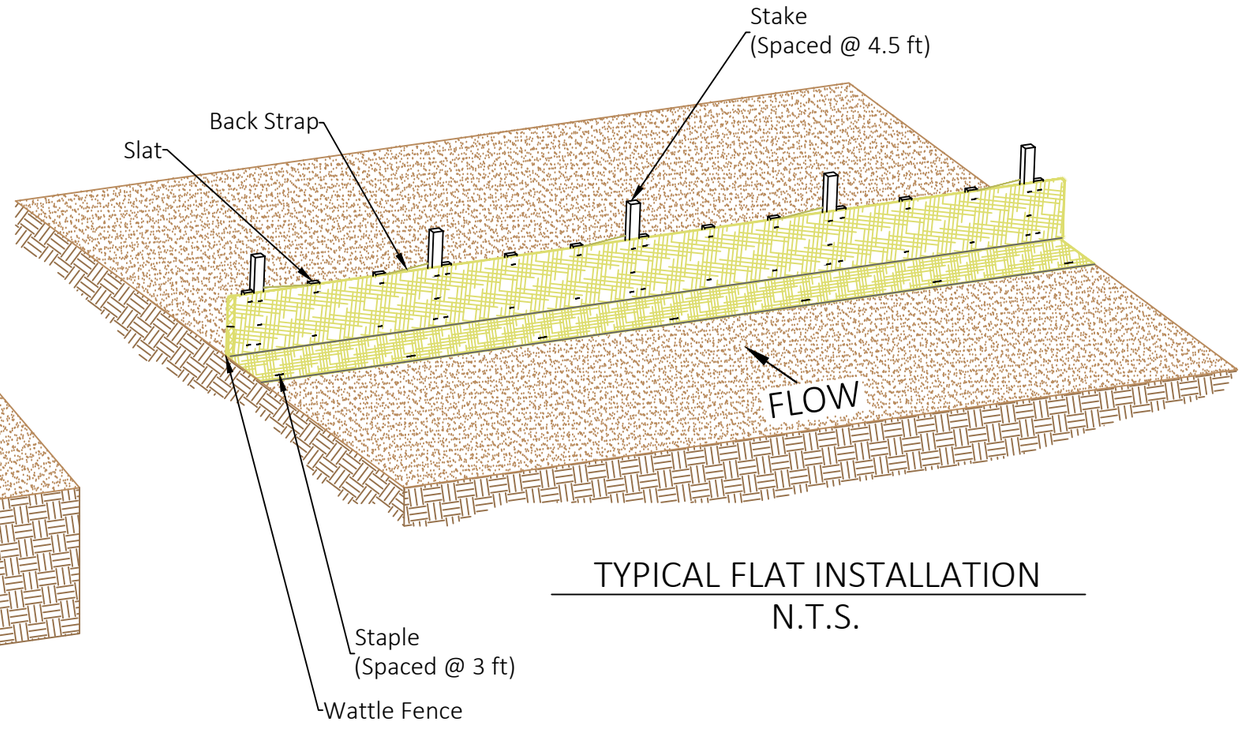
Title: _____

INSTALL WATTLE FENCE USING 1 STAKE
PLACED AT EVERY SLAT.(TYP.)



TYPICAL CHANNEL INSTALLATION
N.T.S.

INSTALL WATTLE FENCE USING 1 STAKE
PLACED AT EVERY 3RD SLAT.(TYP.)



TYPICAL FLAT INSTALLATION
N.T.S.

WATTLE FENCE

WESTERN GREEN
WESTERN EXCELSIOR CORPORATION
NORTH AMERICAN GREEN
EAST COAST erosion control

Project: Standard Slope/Rainfall Layout - RECP

Shown: Isometric View of Slope, Fastener Placement, Some Fasteners and Vegetation Omitted for Clarity, Trenching and Overlap, NTS

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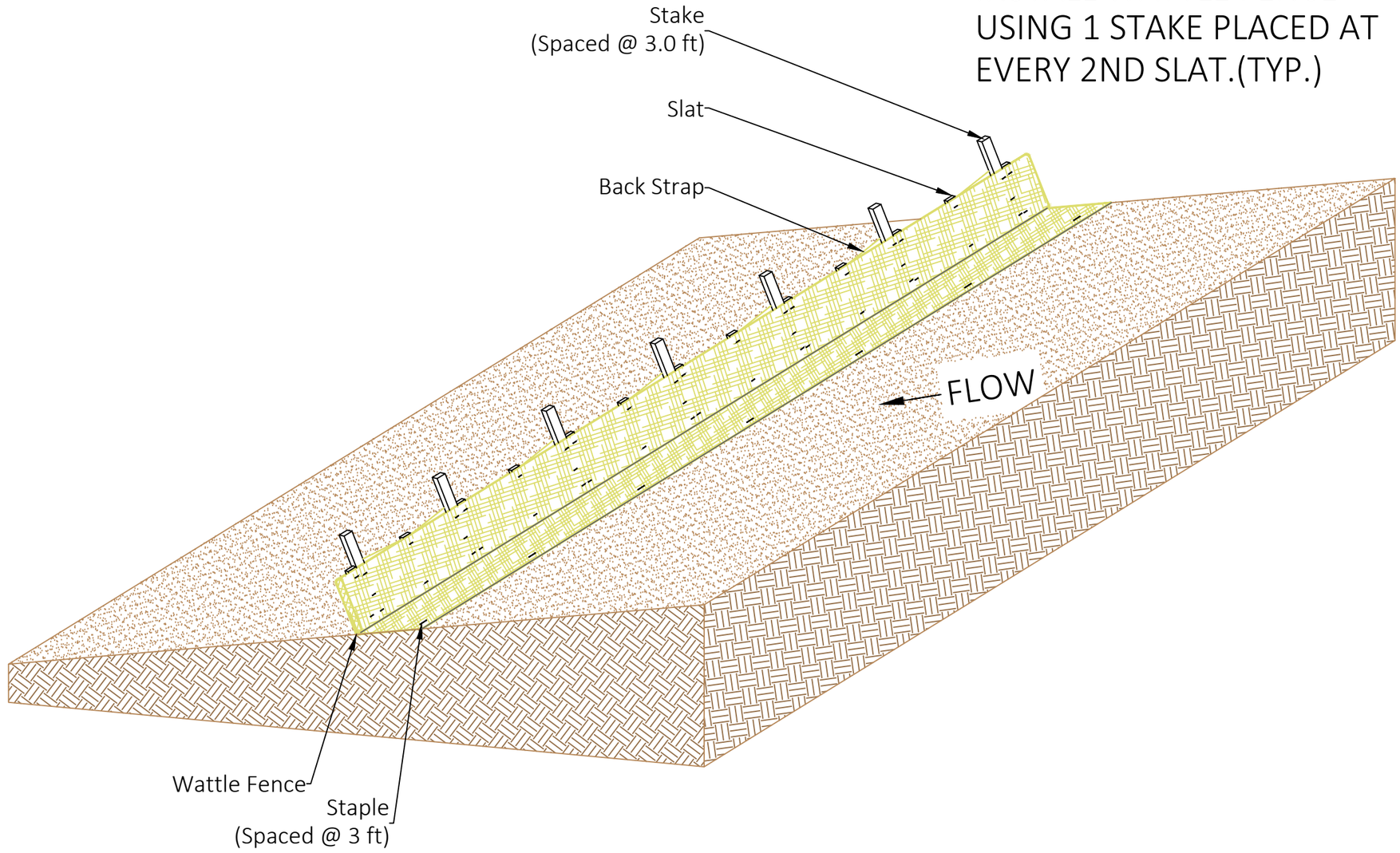
WG: 886-540-9810
www.westerngreen.com
www.westernexcelsior.com
www.nagreen.com

INSTALL WATTLE FENCE USING 1 STAKE PLACED AT EVERY 2ND SLAT.(TYP.)



TYPICAL SLOPE INSTALLATION
N.T.S.

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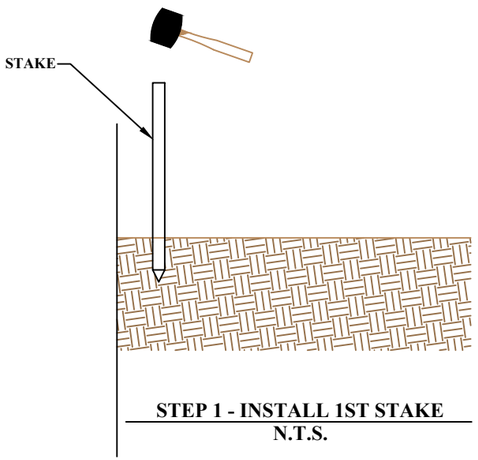
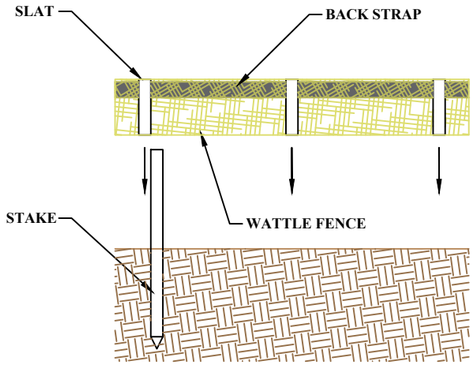
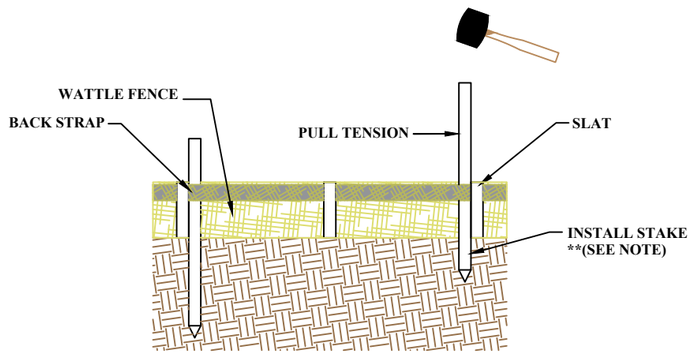


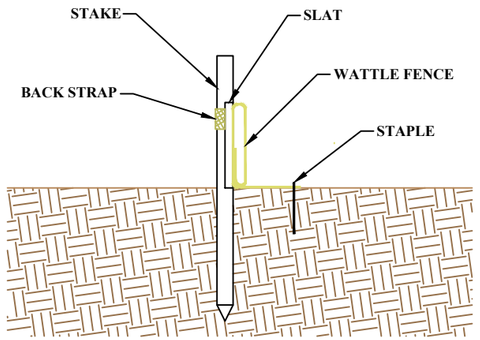
STEP 1 - INSTALL 1ST STAKE
N.T.S.



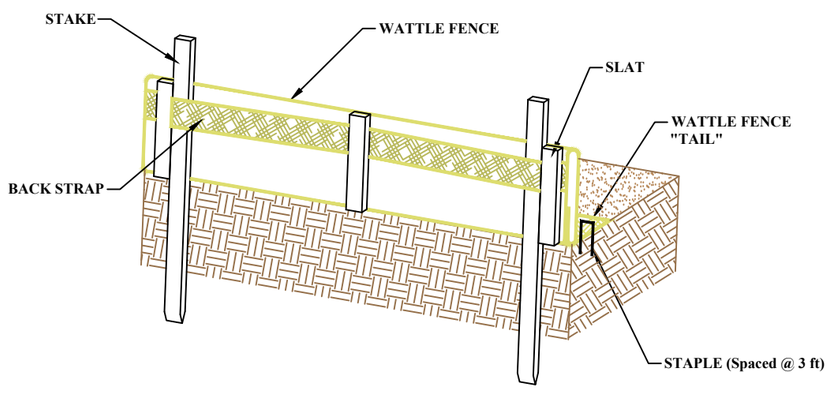
STEP 2 - INSTALL SLAT TO LEFT OF STAKE
N.T.S.



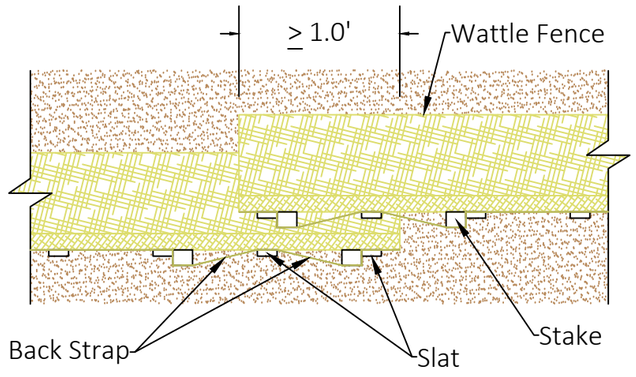
STEP 3 - INSTALL STAKE TO LEFT OF SLAT
N.T.S.



STEP 4 - SECURE WATTLE "TAIL"
N.T.S.



ISOMETRIC VIEW OF INSTALLED WATTLE FENCE
N.T.S.



Typical Overlap-Plan View
N.T.S.

*NOTE:
Install stake between the fence and the back strap (with the slat to the right), creating tension and pulling the fence tight.

For most durable installation, using a hand staple gun, secure fence to stakes with two or more staples.

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