

Silt Fence Detail

Non-woven Silt Fence

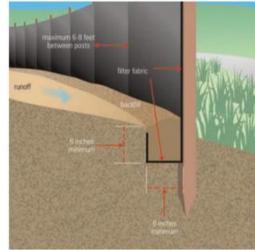
A silt fence is a temporary sediment barrier consisting of a geotextile attached to supporting posts and trenched into the ground. Intended to retain sediment that has been dislodged by stormwater.

Use silt fence as a perimeter control particularly at lower or down slope edge of a disturbed area. Leave space for maintenance between slope and silt fence or roll. Trench in the silt fence on the uphill side (6 in deep by 6 in wide). Install stakes on the downhill side of the fence. Curve silt fence up-gradient to help it contain runoff.

To maintain remove sediment when it reaches one-third of the height of the fence. Replace the silt fence where it is worn, torn, or otherwise damaged. Retrench or replace any silt fence that is not properly anchored to the ground. If the silt fence cannot be tied in properly due to existing hard surface, place mulch filter sock at base to prevent sediment from leaving site.

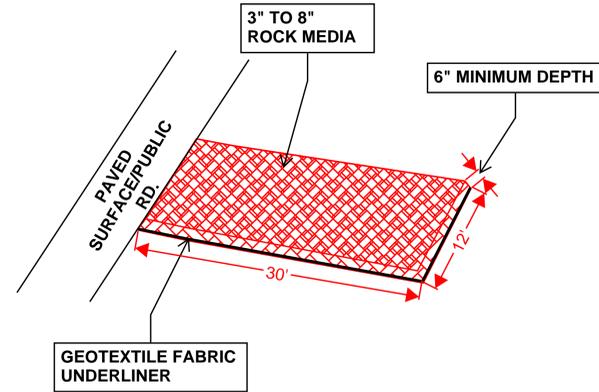
8' max wood stake spacing and 10' max spacing for steel T-post.

Silt Fence Installation



Source: USEPA Guide for Construction Site

VEHICLE TRACK-OUT CONTROL



NOT TO SCALE

- DIMENSIONS NOTED CAN BE SITE RESTRICTIVE.



Specifications	
Product Name:	Second Nature® Wood Fiber Hydraulic Mulch
Revision Date:	August 2015

1. Product Identification
 Second Nature Wood Fiber Hydraulic Mulch (HM) is manufactured from thermo-mechanically processed 100% virgin wood chips. It is non-toxic, 100% biodegradable and contaminant free. Applying the HM forms a porous bond with the soil surface, enhancing seed germination and growth.

2. Mixing
 Mix Second Nature Wood Fiber Hydraulic Mulch with approximately 100 gallons of water per 50 pound bag. Seed, fertilizer, tackifier, and soil amendments may be added at specified rates for a one-step installation of hydro seeding and erosion control projects. Loading rates should be per the machine manufacturer's guidelines.

3. Application
 Second Nature Wood Fiber Hydraulic Mulch can be applied after adding seed and fertilizer or as a separate application. Good soil preparation is essential. Slurry containing seed and fertilizer is best applied from the hose by pointing the nozzle (fan-type / 50° tip recommended) straight down to drive the material into the soil. The application should then be finalized by allowing the material to "rain" on the surface to achieve approximately 75% coverage. Use cross-directional application of material to achieve optimal surface coverage.

Slope Gradient	Recommended Application Rates*	
	US	Metric
Moderate	1500lbs / Acre	1700kg / Ha
4:1 to 3:1	2000lbs / Acre	2300kg / Ha

*Rates represent typical site conditions. Not recommended for channels or high concentrated flow areas.

4. Equipment
 Second Nature Wood Fiber Hydraulic Mulch is mixed and applied with a standard hydro seeding machine. Note: A mechanically agitated hydro seeding machine is recommended. Follow equipment manufacturer's installation instructions and recommendations.

5. Product Composition / Property Values

Thermo-Mechanically Processed Virgin Wood Fiber	100% (minimum)
Moisture Content	12% (+3%)
% Effectiveness	75% (minimum [ASTM D6459])
Cover Factor	0.25 (maximum [ASTM D6459])
Eco-Toxicity	Non-Toxic (EPA 821/R-02/012)
Water Holding Capacity	1200% (minimum)
Applied Color	Green
Functional Longevity	Up to 3 Months
Ash Content	2% max
Organic Content (dried wt. basis)	96% min
Biodegradability	100%

6. Packaging and Shipping

Bag Dimensions, Net Weight	18" x 10" x 26", 50lbs (UV / Weather-Resistant Plastic)
Pallet Dimensions, Quantity	46" x 46" x 101", 40 Bags (UV / Weather-Resistant Plastic Stretch-Wrap)
Full Truckload	22 pallets, 880 Bags



TYPICAL CONCRETE WASHOUT-BELOW GRADE



- Install appropriate signage to inform concrete equipment operators of the proper washout location.
- An appropriate stabilized entrance shall be installed where applicable. The length and width of the stabilized entrance may vary based on size and location of the washout.
- Washout facilities must be sized to contain washout water and solids.
- Typical dimensions are 10 feet long by 10 feet wide but may vary upon site limitations.
- Pit shall be delineated with Orange Filter Sock and A-Framed staked.
- The pit shall be lined with 10mil (minimum) polyethylene impermeable liner on the bottom and sides overlapping the top edges completing a leak-proof container.

ESC Plan Standard Notes (2021-03-24)

1. All Erosion and Sediment Control (ESC) work on these plans, except as otherwise stated or provided hereon shall be permitted, constructed, inspected, and maintained in accordance with:
 - a. The City Ordinance § 14-5-2-11, the ESC Ordinance,
 - b. The EPA's 2017 Construction General Permit (CGP), and
 - c. The City Of Albuquerque Construction BMP Manual.
2. All BMP's must be installed prior to beginning any earth moving activities except as specified hereon in the Phasing Plan. Construction of earthen BMP's such as sediment traps, sediment basins, and diversion berms shall be completed and inspected prior to any other construction or earthwork. Self-inspection is required after installation of the BMPs and prior to beginning construction.
3. Self-inspections - At a minimum a routine compliance self-inspection is required to review the project for compliance with the Construction General Permit once every 14 days and after any precipitation event of 1/4 inch or greater until the site construction has been completed and the site determined as stabilized by the city. Reports of these inspections shall be kept by the person or entity authorized to direct the construction activities on the site and made available upon request.
4. Corrective action reports must be kept by the person or entity authorized to direct the construction activities on the site and made available upon request.
5. Stabilization reports must be kept by the person or entity authorized to direct the construction activities on the site and made available upon request. Reports should include records of weed removal per City Ordinance (§ 9-8-1), sterilization, soil test results and recommendation, materials and manufacturer's specifications for application rates, estimated functional longevity, methods of application, inspection and maintenance. The reduced self-inspection schedule in CGP 4.4.1 applies to stabilized area and any damaged or worn stabilization must be identified in the reports along with weed problems. Corrective actions for stabilization shall be documented in a stabilization report including actual rates and dates of stabilization, and the materials and manufacturer's specifications used.
6. BMPs shall be inspected and maintained until all disturbed areas are stabilized in accordance with the Final Stabilization Criteria (CGP 2.2.14.b). Generally, all disturbed areas, other than structures and impervious surfaces, must have uniform perennial vegetation that provides 70 percent or more of the cover provided by native vegetation or seed the disturbed area and provide non-vegetative mulch that provides cover for at least three years without active maintenance. Final stabilization must be approved by the City of Albuquerque prior to removal of BMPs and discontinuation of inspections.

OPERATOR: JAYNES CORPORATION
TOTAL SITE AREA: 2.87 ACRES
TOTAL DISTURBED AREA: 2.18 ACRES
RECEIVING WATERS: RIO GRANDE (TIJERAS ARROYO TO ALAMEDA BRIDGE)
REFER TO THE ESC BMP DETAILS (ESC-2) FOR INSTALLATION, INSPECTION AND MAINTENANCE REQUIREMENTS.

VETERANS INTEGRATION CENTER
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

Drawn By:
M. VALLEJOS, CPESC, CISEC **05/09/23**



ESC-2

Nature of Construction Activity:
 This project consists of new commercial construction. This project covers approximately 2.87 acres of the Veterans Integration Center project. Jaynes Corporation is responsible for all construction activities including earthwork, infrastructure, utilities, flatwork, asphalt paving, site work and vertical construction. The activities to occur on-site are consistent with new commercial construction.

Project/Site Name: Veterans Integration Center
Project Street/Location: 2701 Mulberry St. SE
City: Albuquerque
State: NM
Zip Code: 87106
County: Bernalillo

Project Latitude: 35.05560 **Longitude:** -106.63570

Determination of Latitude/Longitude:

- USGS topographic map (scale: _____)
 EPA Web Site NM OpenEnviroMap GPS
 Other (please specify): _____

Function of Construction Activity:

- Residential Commercial Industrial Linear (roadway)
 Linear (Utility) Development Other (specify): _____

Is your project/site located on Federal or Native American Lands Yes **No**
Description: _____

ROLE	COMPANY	REPRESENTATIVE NAME	PHONE	EMAIL
OPERATOR	JAYNES CORPORATION	RUBEN MEDINA	505-390-1062	RUBEN.MEDINA@JAYNECORP.COM
OWNER	NEW MEXICO VETERANS INTEGRATION CENTERS	JERRY BECKER	505-883-7766	JERRY@STEAMATICNM.COM
BMP MAINTENANCE	SUPERIOR STORMWATER SERVICES, LLC	TIM SLATUNAS	505-353-2558	TIM@SUPERIORSTORMWATER.COM
SWPPP INSPECTIONS	GREEN GLOBE ENVIRONMENTAL, LLC	TIM SLATUNAS	505-353-2558	TIM@GREENGLOBENM.COM

Start Date-Finish Date (dates to be marked on site plan by operator)	Construction Activity, BMPs, and location
Initial Phase	Pre-Site Grading 1. Install perimeter BMPs (silt fence, erosion control logs, downstream inlet protection, etc.) 2. Construct VTC. 3. Set up construction trailer, construction barrier, and material storage areas, etc. 4. Install sanitary facilities and dumpster 5. Implement stabilization procedures where work is complete or ceases (per section 2.2.14 of the 2022 EPA CGP)
Interim Phase	Site Grading/ Building Construction 1. Mass grade site 2. Construct utilities, infrastructure 3. Building, pavement construction 4. Implement stabilization procedures where work is complete or ceases (per section 2.2.14 of the 2022 EPA CGP)
Final Phase	Final Stabilization 1. Implement stabilization procedures where work is complete or ceases (per section 2.2.14 of the 2022 EPA CGP) 2. Prepare final seeding and landscaping 3. Monitor stabilized areas until final stabilization is reached 4. Remove temporary control BMPs and stabilize any areas disturbed by the removal



Tables - K Factor, Whole Soil - Summary by Map Unit

Summary by Map Unit - Bernalillo County and Parts of Sandoval and Valencia Counties, New Mexico (NM600)

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
BCC	Bluepoint loamy fine sand, 1 to 9 percent slopes	.20	1.8	51.0%
BKD	Bluepoint-Kokan association, hilly	.17	0.0	0.3%
WaB	Wink fine sandy loam, 0 to 5 percent slopes	.28	1.7	48.7%
Totals for Area of Interest			3.5	100.0%

Rio Grande (Tijeras Arroyo to Alameda Bridge)		AU IR CATEGORY	LOCATION DESCRIPTION		
		5/5C	HUC: 13020203 Rio Grande-Albuquerque		
AU ID	WQS REF	WATER TYPE	SIZE	ASSESSED	MONITORING SCHEDULE
NM-2105_51	20.6.4.105	RIVER	15.6 MILES	2020	2025
USE	ATTAINMENT	CAUSE(S)	FIRST LISTED	TMDL DATE	PARAMETER IR CATEGORY
IRR	Fully Supporting				
LW	Fully Supporting				
MWWAL	Not Supporting	Dissolved oxygen PCBS - Fish Consumption Advisory Mercury - Fish Consumption Advisory Temperature	2008 2010 2020	2023 (est.)	5/5A 5/5C 5/5C 5/5A
PC	Not Supporting	E. coli	2020	6/30/2010	4A
PWS	Not Assessed				
WH	Fully Supporting				

AU Comment: TMDL for E. coli. Fish Consumption Advisory listings are based on NM's current fish consumption advisories for this water body. Per USEPA guidance, these advisories demonstrate non-attainment of CWA goals stating that all waters should be "fishable." Therefore, the impaired designated use is the associated aquatic life even though human consumption of the fish is the actual concern.

OPERATOR: JAYNES CORPORATION

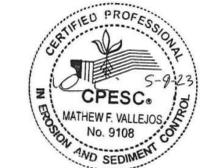
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ESC-3