Carthage Mills line of Stormwater and Sediment Control BMP products provide a comprehensive approach to meeting the requirements of engineers, owners, contractors and government agencies. As the original geosynthetics company, Carthage Mills has spent decades providing solutions for stormwater mitigation requirements on land development projects across North America. Regardless of your project’s objectives and constraints, our knowledgeable staff is here to provide you with expert advice and assistance. If your goal is to eliminate or detain runoff, you can rely on Carthage Mills for a wide range of subsurface infiltration, retention, containment, and mitigation solutions.

**Dewatering Filter Bags**

Carthage Mills’ FBX™ Filter Bags are designed to trap silt, sand, and other sediment fines from construction sites before they can do damage to the environment; and to assist the contractor with an economical means of avoiding the costly cleanup of stormwater systems. Typical applications include the dewatering of construction and excavation sites, as well as dewatering lakes and ponds.

As water is pumped through the bag, it captures most of the sediment resulting in the discharge of clear to near-clear water. When full, the FBX™ Filter Bags can be disposed of as a solid waste; cut open and mixed with the on-site soil and seeded; or otherwise directed by the site engineer.

**Silt Fence**

Silt fence is recognized as a Stormwater Best Management Practice (BMP) by the Environmental Protection Agency (EPA). Carthage Mills’ offers a complete line of silt fence products from contractor grade to those that meet local, state DOT, and federal specs including AASHTO M 288-15. The cost of installing silt fences on watershed construction sites is considerably less than the costs associated with losing aquatic species, dredging navigation channels, and cleaning sediment out of municipal storm sewers. A single 100 foot run of silt fence has the potential to hold 50 tons of sediment in place.

**GRATEKEEPER™ Storm Drain Filter**

Carthage Mills’ GRATEKEEPER™ provides superior sediment control, with hassle free installation, and simple removal when necessary. This professional strength efficient inlet filter is fabricated with only the most durable and efficient materials available, and if properly maintained can be reused for the life of the project or longer.

GRATEKEEPER™ inlet/catch basin filter bags are an important part of standard Best Management Practices (BMPs) that should always be implemented to reduce surface water pollution from construction stormwater runoff.
**Straw Wattles**

Wattles are flexible, cylindrical Sediment Retention Fiber Rolls (SRFRs) comprised of various types of compressed matrixes, designed to reduce hydraulic energy and filter sediment-laden stormwater runoff on slopes and in channels. They work in the same manner as silt fence, by ponding water and letting the sediment fall to the ground while the water slowly passes through the wattle. Straw wattles are an effective and economical alternative to silt fence and straw bales for sediment control and stormwater runoff. Wattles can be placed and staked along the perimeter of newly constructed or disturbed slopes. Their use to capture and retain sediment on the slopes is a best management practice (BMP).

**Job Site Accessories & Fencing**

Because we here at Carthage Mills listen to our customers and recognize the need to be able to ship the necessary accessories with the construction site materials, we now have many options to meet your job site accessories and fencing needs.

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**T-Posts**
- Material: Low Carbon Steel
- Weights: 0.95 lbs/ft, 1.15 lbs/ft and 1.25 lbs/ft (nominal)
- Type: Light to Heavy Duty
- Lengths: 5'-6' most common (Other sizes available)
- Finish: Painted
- Package: 200 per Bundle

**Sod Staples**
- Type: U Shaped
- Wire Diameter: 11 ga. (2.86 mm)
- Size: 6" x 1" x 6"
- Packaging: 1000 pcs/box

**Safety/Barrier Fence**
- Material: HDPE with UV stabilized
- Colors: Orange, Yellow, Black, Green
- Weight: 7 lbs per roll (nominal); other weights available
- Roll Size: 4' x 100'
- Mesh: 3" x 2"
- Package: Pallets

**Round Top Pins**
- Type: Round Top
- Wire Diameter: 8 ga. and 11 ga.
- Size: 6" and 8"
- Packaging: 500 pcs/box and 1000 pcs/box

**Chain Link Fence**
- Material: Carbon Steel Wire
- Coating: Hot-dipped Galvanized
- Wire Diameter: 9 ga., 11.5 ga., and 12.5 ga.
- Mesh: 2 3/8 inch
- Edge: Knuckle
- Size: 42" x 50'

**Fabric Pins with Washers**
- Type: Straight with flat washer
- Wire Diameter: 8 ga. and 11 ga.
- Size: 12" and 18" with washers
- Packaging: 100 pcs/box

**Steel Post**
- Material: Galvanized Steel
- Diameter: 2.5"
- Wall Thickness: 6.095
- Length: 6'

**Marking Paint**
- Type: Water Based
- Aeroso Spray Tip: Inverted
- Clog: Does Not Clog
- Colors Available: Various
- VOC Compliant. Safe for Grass.
**GRATEKEEPER™ Installation**

1. Remove grate from storm drain.

2. Using rebar in two opposing rebar pockets, insert the GRATEKEEPER™ into the catch basin. Replace the inlet grate leaving as much of each rebar pocket above the grate as possible. *(See photo right)*

Note: If the GRATEKEEPER™ is firmly secured in the catch basin the rebar can then be removed for later use.

3. If the storm drain is not surrounded by concrete, the rebar pockets can then be buried using adjacent soil.