Maritime™ Hydroseed

Stormwater, Sediment Control and Dewatering Products

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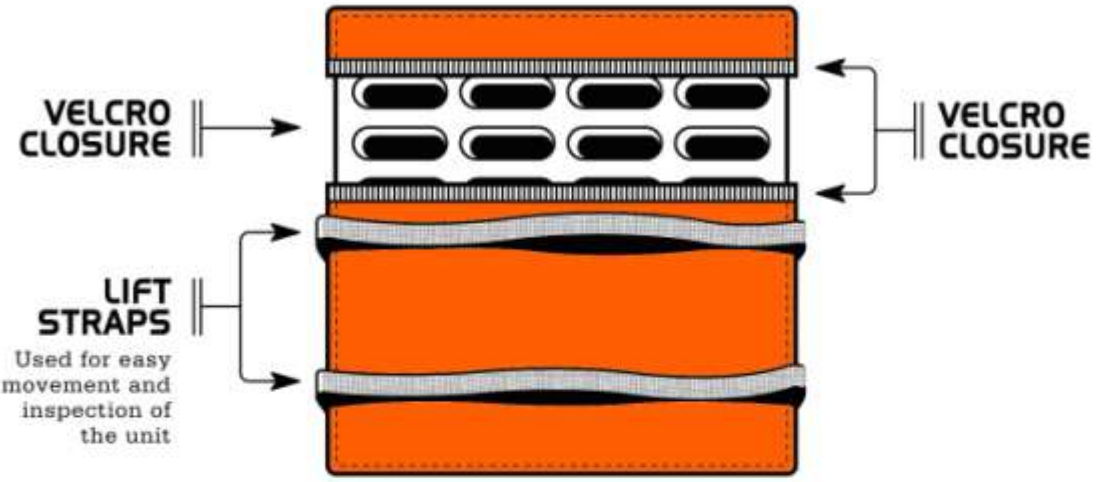
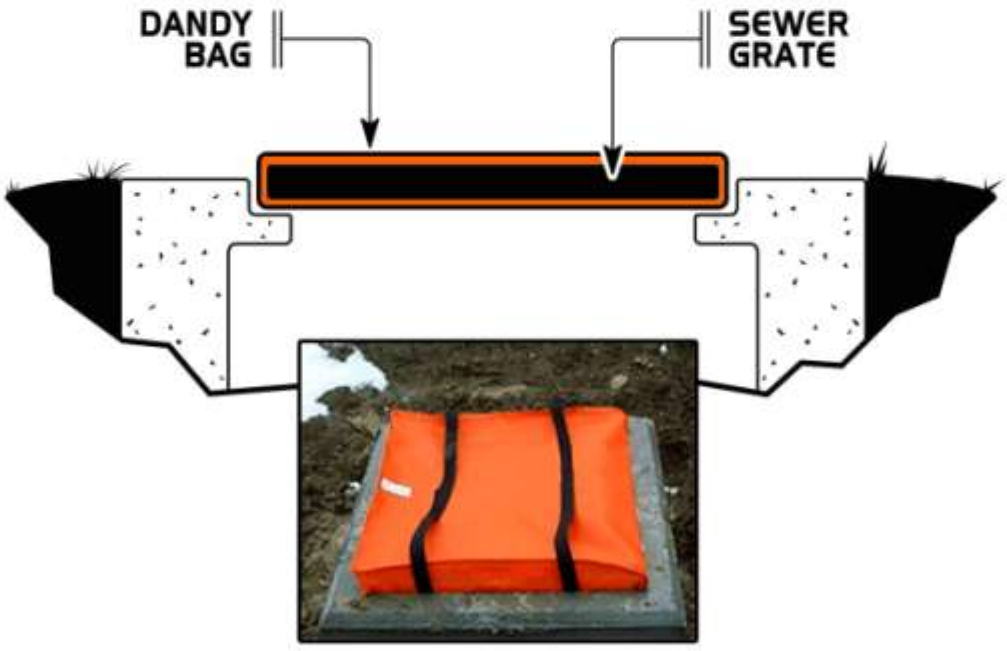
Most products are available in various sizes and quantities.

Call Maritime Hydroseed (506) 672-1600 for Pricing and Ordering.

DANDY BAG®





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DANDY BAG®

Use the Dandy Bag with flat grates, (including round), and mountable curbs to filter out all the sludgy sediment-laden storm water. The suspended solids are allowed to settle out of the slowed flow and are captured by the Dandy Bag prior to entering the inlet, ensuring regulatory compliance.

Get Maximum Benefits with Dandy:
- Unique patented design keeps silt, sediment, and debris out of storm systems
- Reduces or eliminates the need for flush or clean inlets
- Fabricated from a highly visible orange monofilament geotextile so it can be seen in any weather
- Sizes built to fit any inlet in any municipality
- Very easy to install, maintain, and inspect
- Can be reused

Installation:
1. Empty Dandy Bag should be placed over the grate as the grate stands on end.
2. If using the optional oil absorbers, place absorbant pillow in pouch, on bottom of unit. Attach absorbant pillow to tether loop.
3. Holding the lifting device (do not rely on lifting device to support entire weight of grate), place the grate into its frame.

Maintenance:
- Remove all accumulated sediment and debris from the surface and vicinity of the unit after each storm event.
- Remove the sediment that has accumulated within containment area of the Dandy Bag as needed.

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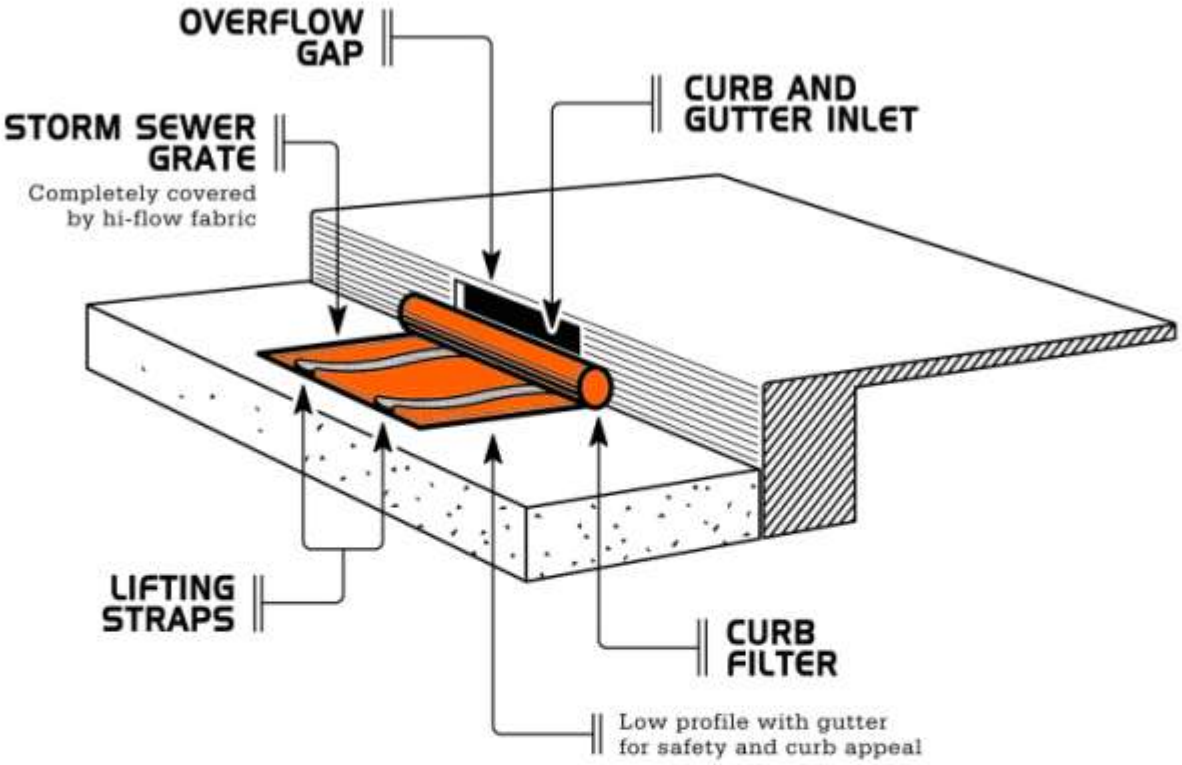
DANDY CURB BAG™



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DANDY CURB BAG™

The patented Dandy Curb Bag is designed for use on curb and gutter inlets, the Dandy Curb Bag filters out the most stubborn sediment-laden storm water. The suspended solids are allowed to settle out of the slowed flow and are captured by the tough Dandy Curb Bag prior to entering the inlet.

Get Maximum Benefits With Dandy:
- Unique patented design keeps silt, sediment and debris out of storm systems
- Designed to quickly conform to the shape of the curb
- Built in protective overflow design
- Reduces or eliminates the need to flush or clean inlets
- Easily seen because it's fabricated from a bright orange monofilament geotextile
- Sizes to fit any curb and gutter inlet
- Easy to install, maintain, inspect, and reuse

Installation:
1. The empty Dandy Curb Bag should be placed over the grate as the grate stands on end. If using optional oil absorbents, place absorbent pillow at the bottom of the grate pouch. Attach absorbent pillow to tether loop.
2. Tuck the enclosure flap inside to completely enclose the grate.
3. Holding the lifting straps (do not rely on lifting device to support entire weight of grate), place the grate into its frame (street side first), the lower back edge with dam into place. When properly installed, the Dandy Curb Bag should be partially blocking the curb hood

Maintenance:
Remove all accumulated sediment and debris from the surface and vicinity of the unit after each storm event. Remove the sediment that has accumulated within containment area of the Dandy Curb Bag as needed. If using oil absorbents, remove and replace absorbent pillow when near saturation.

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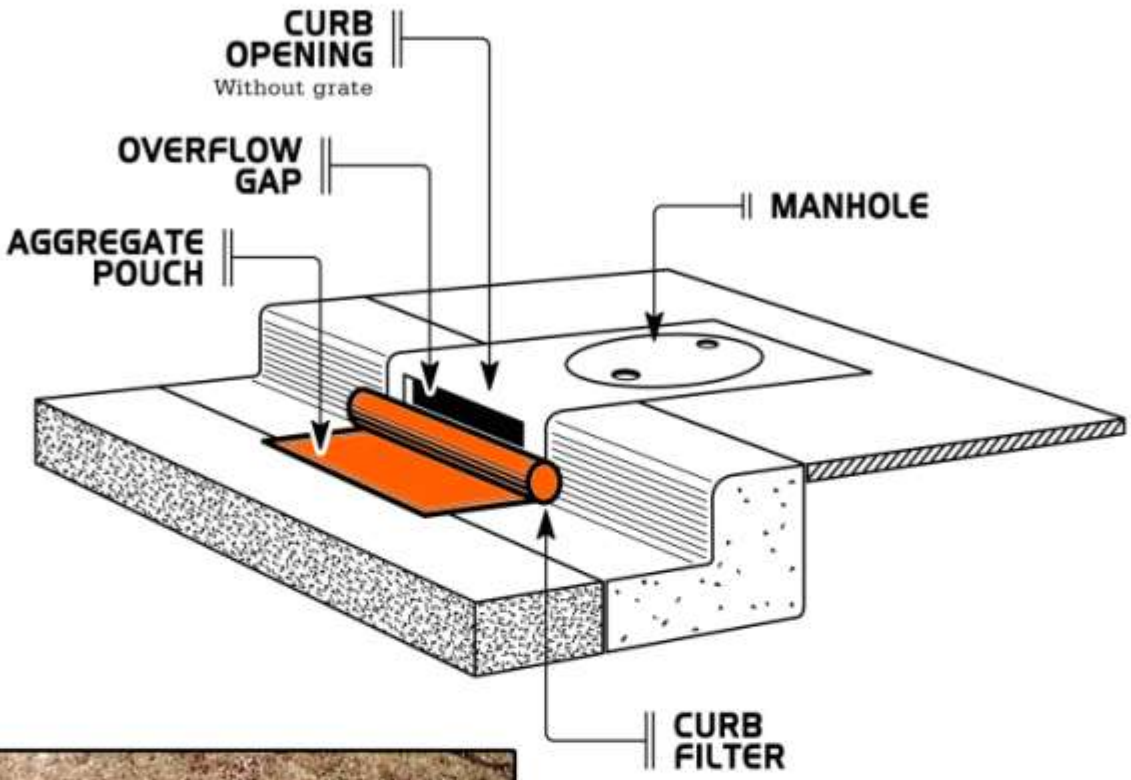
DANDY CURB™



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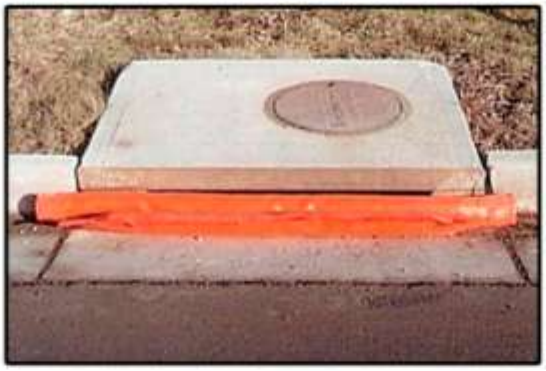
DANDY CURB™



The Dandy Curb is made especially for curb inlets and median inlets without grates. It's designed to handle the worst that sludge-filled rainwater has to offer, filtering off sediment-laden storm waters. The suspended solids are allowed to settle out of the slowed flow and are easily captured by the Dandy Curb prior to entering the inlet. Sediment doesn't stand a chance.

Get Maximum Benefits With Dandy:
- One-of-a-kind patented design keeps silt, sediment, and debris out of storm systems
- Specially designed to quickly conform to the shape of the curb
- Built in protective overflow design
- Reduces or eliminates the need to flush or clean inlets saving time and money
- Easily seen because it's fabricated from a bright orange monofilament geotextile
- Sizes to fit any curb and inlet
- Available with optional oil absorbents
- Easy to install, maintain, inspect, and reuse

Installation:
1. Place the Dandy Curb on ground with aggregate pouch on street side near the inlet on which it will be installed.
2. Open Velcro access pouch located on the street side edge of the unit.
   If using optional absorbents, place absorbent sack in pouch and push to back of pouch.
3. Fill pouch with aggregate to a level that will keep the unit in place during a rain event and create a seal between the Dandy Curb and the surface of the street.
4. Reseal Velcro access.
5. Center the unit against a curb or median inlet opening so that there is an equal length of the Dandy Curb overhanging on each side of the opening.

Maintenance:
- Remove all accumulated sediment and debris from the surface and vicinity of the unit after each storm event.
- If using optional oil absorbents, remove and replace absorbent when near saturation.

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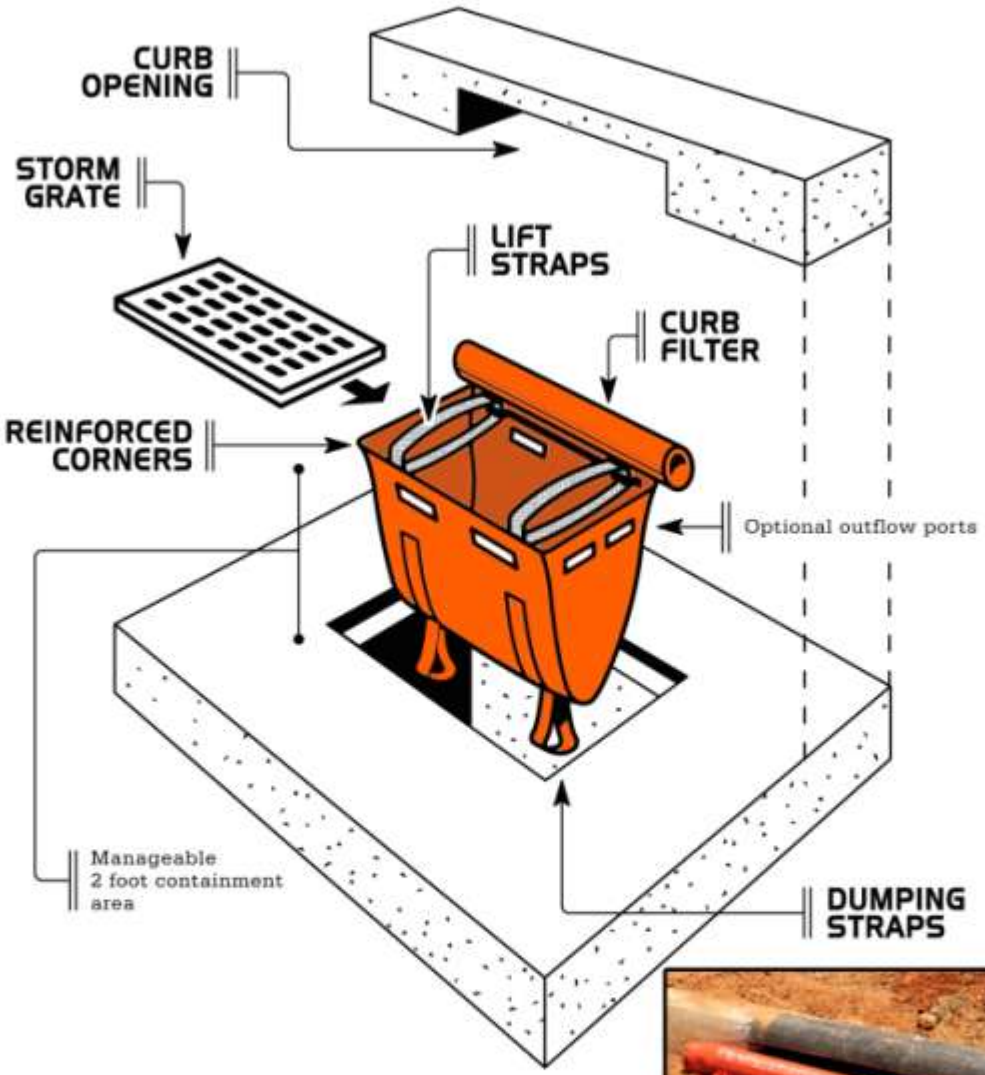
DANDY CURB SACK™



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DANDY CURB SACK™

With an open-top design, the Dandy Curb Sack fits to any size curb and gutter inlet. Its unique design allows it to filter sediment-laden water with ease. The suspended solids are allowed to settle out of the slowed flow and are captured quickly by the Dandy Curb Sack before entering the inlet.

Get Maximum Benefits With Dandy:
- Unique patented design keeps silt, sediemtn and debris out of storm systems
- Conforms to shape of curb
- Fabricated from a high-visibility monofilament geotextile
- Reduces the need to flush or clean inlets
- Sizes to fit any curb inlet
- Available with optional oil absorbents
- Easy to install, inspect and reuse, saving time and money

Installation:
1. Remove the grate from the catch basin and stand on end.
2. Move the top lifting straps out of the way and place the grate into the Dandy Curb Sack so that the grate is below the top straps and above the lower straps
3. Now position the top straps back in place so that they are on top of the grate
4. Grab top straps and carefully insert the Dandy Curb Sack into the grates frame Make sure cylindrical portion is up against the curb opening to prevent silt, sediment and debris from entering inlet here

Maintenance:
Remove all accumulated sediment and debris from vicinity of the unit after each storm event. After storm event and at regular intervals, look into the Dandy Curb Sack. If the containment area is more than 1/3 full of sediment, the unit must be emptied.
To empty unit, simply lift the unit out of the inlet using the lifting straps and remove the grate. If using optional oil absorbents, replace absorbent pillow when near saturation.

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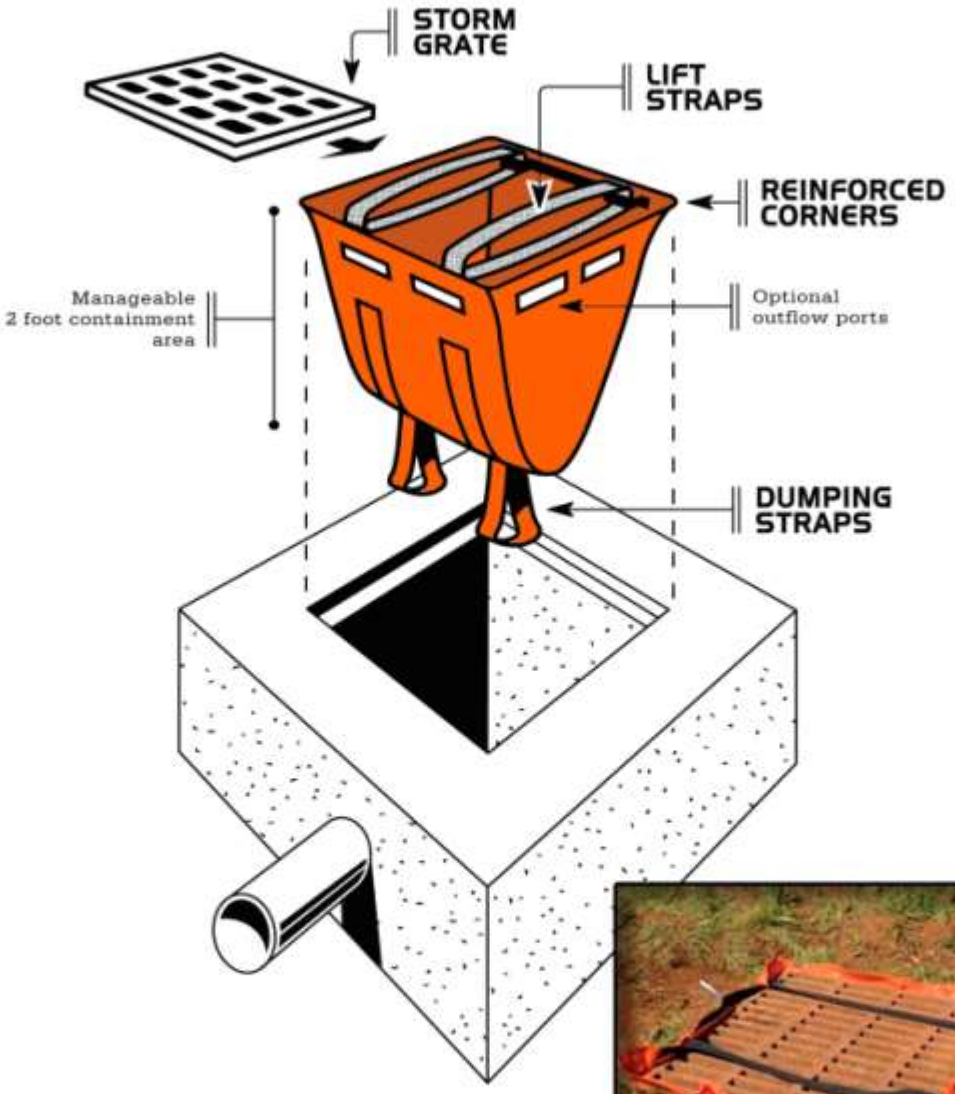
DANDY SACK™



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DANDY SACK™

The Dandy Sack is an incredibly strong open-top bag specially designed to hang underneath a storm grate to expertly filter the thickest sediment-laden storm water. The suspended solids are allowed to settle out of the slowed flow and are conveniently captured by the Dandy Sack prior to entering the inlet, making the sturdy Dandy Sack a storm water must.

Get the Maximum Benefits With Dandy:
- Affordable price
- Super easy installation, No rebar required
- Internal straps cradle the grate for added support and security when installing and removing
- Two foot containment area is manageable
- Easily seen because it's fabricated from a bright orange monofilament geotextile
- Available in 3 standard sizes to fit a variety of inlets
- Available with optional oil absorbents
- Available with patented curb-filtering technology

Installation:
1. Remove the grate from the catch basin.
2. If using optional oil absorbents, place absorbent pillow in pouch, on bottom of unit.
3. Stand the grate on end. Move the top lifting straps out of the way and place the grate into the Dandy Sack so that the grate is below the top straps and above the lower straps.
4. Holding the lifting straps, insert the grate into the inlet.

Maintenance:
Remove all accumulated sediment and debris from vicinity of the unit after each storm event. After storm event and at regular intervals, look into the Dandy Sack. If the containment area is more than 1/3 full of sediment, the unit must be emptied.

To empty unit, simply lift the unit out of the inlet using the lifting straps and remove the grate. If using optional oil absorbents, replace absorbent pillow when near saturation.

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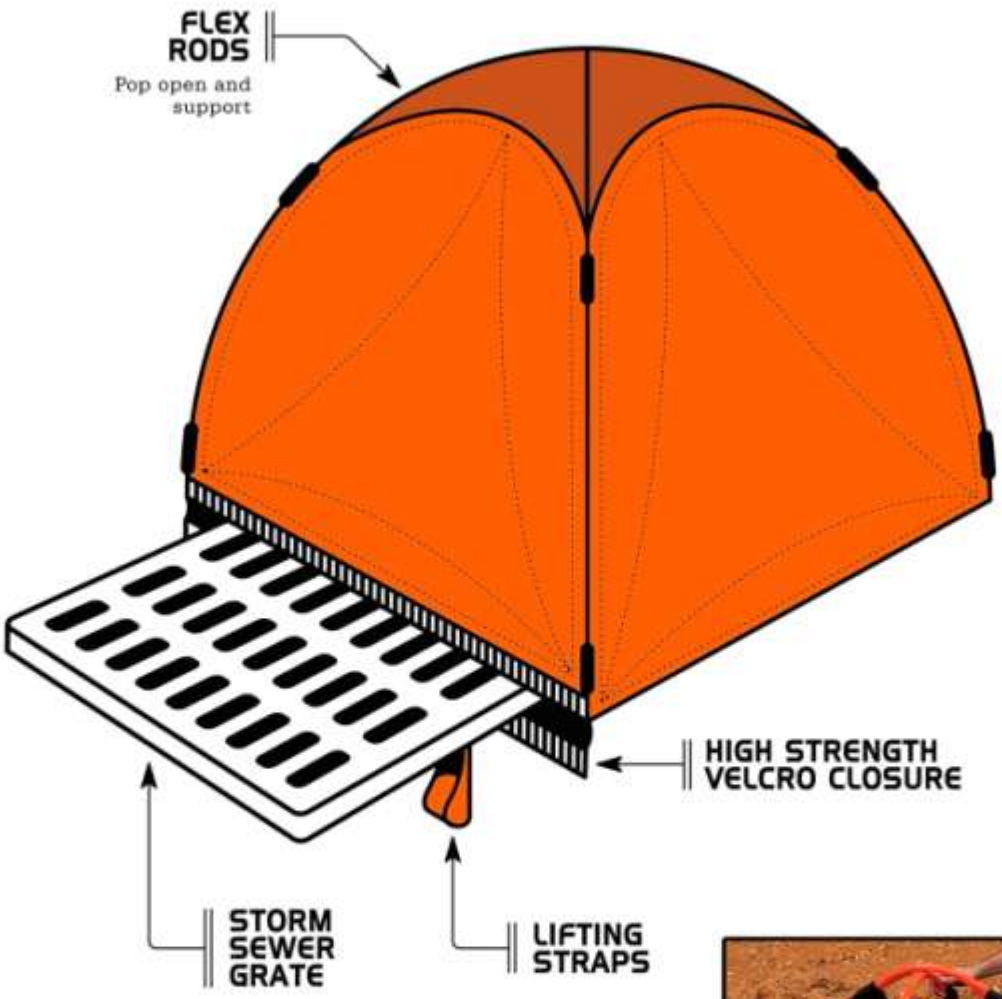
DANDY POP™



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DANDY POP™

The Dandy Pop is designed for use with flat field grates to filter sediment-laden water and pops up in seconds. The newly designed Dandy Pop is hassle free, so no more cumbersome silt fence or similar devices that either fall down or have infiltration points. This is exactly what you've been looking for. The Dandy Pop fully encloses the grate, eliminating sediment infiltration. The suspended solids are allowed to settle out of the slowed flow and are easily captured prior to entering the inlet.

Get Maximum Benefits With Dandy:
- Superior patented design keeps silt, sediment, and debris out of storm systems
- Easily visible to machine operators in the field
- Pops open in a second
- Unique dome design provides easy cleaning and maintenance
- Fabricated from easy-to-see safety orange and black monofilament geotextile
- Standard sizes to fit any grate

Installation:
1. Pop open the Dandy Pop near the inlet. If using optional oil absorbents, place absorbent pillow on bottom of the unit.
2. Remove grate from frame and place into Dandy Pop.
3. Pull up slack and seal Velcro to enclose grate.
4. Holding the lifting straps, insert the grate inside the Dandy Pop onto the inlet making sure that the grate seats completely in the frame.

Maintenance:
Remove all accumulated sediment and debris from the panels, surface and vicinity of the unit after each rain event. Remove the sediment that has accumulated within containment area of the Dandy Pop as needed. If using optional oil absorbents, remove and replace absorbent when near saturation.

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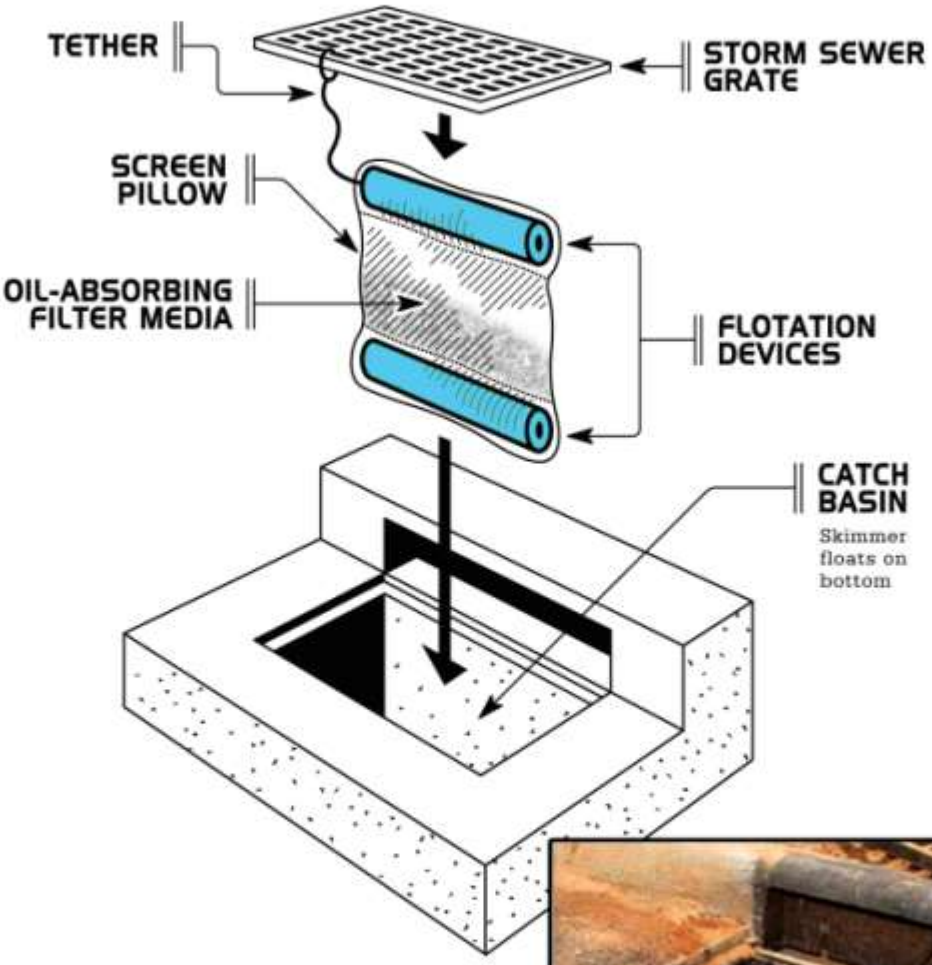
DANDY SKIMMER™



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DANDY SKIMMER™

Dandy Skimmer is used to combat oil contamination. Measuring 22" x 14" x 2", this uniquely designed screen pillow is filled with a polymer absorbent that has not one but two attached flotation devices. The oil absorbent material inside the skimmer easily captures the oil - permanently and continuously.

Get Maximum Benefits With Dandy:
- Unique polymer absorbent bonds the oil to the polymer matrix and will not release hydrocarbons
- Floats on the surface, continuously absorbing oils
- Removes oil permanently
- Design allows long-term exposure to oil-contaminated water for maximum absorption
- May be installed in most sumps, vaults, catch basins or in oil-water seperators without flooding
- Will not create ponding or clogging due to sediment

Installation:
1. Remove the grate from the catch basin and stand on end.
2. Attach the Dandy Skimmer to the grate with supplied tether.
3. Lower skimmer into catch basin and replace grate back into frame, making sure the tether is attached.

Maintenance:
Replace the Dandy Skimmer with a new one when completely saturated with oil. You will know when to replace when the polymer in the skimmer has hardened into a solid.

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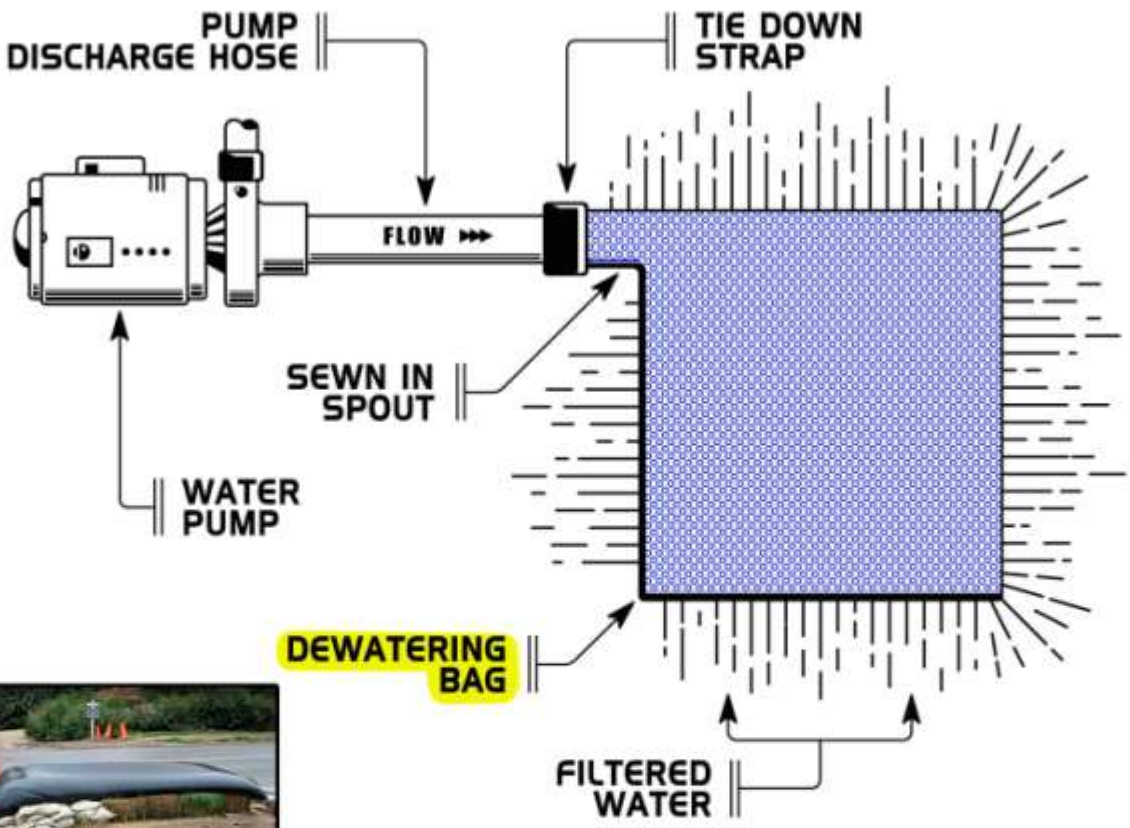
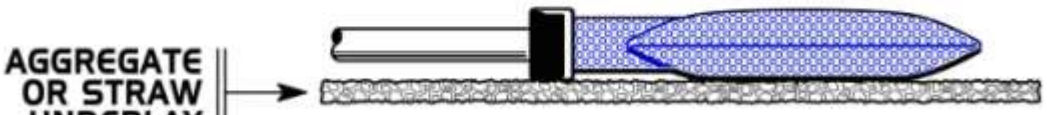
DANDY DEWATERING BAG™

TOP VIEW



SIDE VIEW



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DANDY DEWATERING BAG™

The Dandy Dewatering Bag is designed to control sediment discharge in dewatering applications where water is being pumped. When pumped water reaches the Dandy Dewatering Bag, the suspended solids are allowed to settle out of the slowed flow and are captured by the bag. Hassle free and very convenient.

Get Maximum Benefits With Dandy:
- Easily installs onto discharge hose
- More convenient and easier to use than sediment traps or other alternatives
- Available with optional oil absorbents
- Fabircated from a Mirafi geotextile
- Available in 3 standard sizes

Installation:
1. Place lifting straps (not included) under the unit to facilitate removal after usage.
2. Unfold Dandy Dewatering Bag on stabilized area over dense vegetation, straw, or gravel (if an increased drainage surface is needed).
3. Insert discharge hose from pump into Dandy Dewatering Bag a minimum of six inches and tightly secure with attached strap to prevent water from flowing out of the unit without being filtered. If using optional absorbents, place absorbent boom into the Dandy Dewatering Bag.

Maintenance:
Replace the unit when 1/2 full of sediment or when sediment has reduced the flow rate of the pump discharge to an impractical rate If using optional oil absorbents, remove and replace absorbent pillow when near saturation.

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Inlet Filter

Inlet Filter serves as an excellent storm water silt filter at sewer inlets during the construction phase.

- Attach in minutes without removing grate
- Fits flat, roll curb, vertical and beehive inlets
- Cut with shears or utility knife
- Vehicle traffic will not damage or dislodge

How It Works

Stormwater runoff slows as it flows through the media, trapping sediment. Filtered water enters the sewer system.

Inlet Filter Specifications:

Item #	Dimensions	Pieces per Carton	Pieces Per Pallet
IF1527X30C	1.5" x 27" x 30"	10 pads	120 pads
IF1527X21FTB	1.5" x 27" x 21'	1 roll	12 rolls
IF1527X75FTB	1.5" x 27" x 75'	N/A	3 rolls

Other pad and roll sizes are available upon request.

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Inlet Filter

Inlet Filter Installation Instructions:

1. Remove sediment, debris, ice and snow from the inlet grate surface and surrounding area.

2. Verify fit by placing filter over inlet grate to ensure that Inlet Filter extends at least one inch beyond the front and both curb ends. The overlap slows water flow and starts filtering sediment and debris before water drops into the inlet.

3. Position the mat. Place Inlet Filter on grate with the net side down, flush to the back edge and extending beyond the grate opening on the front and both sides. The zip ties attach Inlet Filter to the inlet grate cover WITHOUT LIFTING THE GRATE COVER.

4. Insert zip ties. Lift Inlet Filter slightly to enable you to see the first grate bar from the edge of the grate cover.

Push the zip tie down through the Inlet Filter and loop under the grate bar. Insert the pointed end of the zip tie about 2" away from the first zip tie penetration and push back up through the filter.

Push the pointed end of the zip tie into the receiving end just enough to hold ends loosely. LEAVE ZIP TIES LOOSE UNTIL ALL TIES ARE LOOPED THROUGH THE MATS AROUND THE GRATES. Repeat Step 4 until all zip ties are installed loosely.

5. Tighten zip ties.
After attaching all of the zip ties, re-position Inlet Filter to completely cover and overlap the grate. Pull free end of zip-ties hand tight to anchor Inlet Filter to the grate. Cut off free end of zip ties to leave a 1" tail.

Inlet Filter Maintenance Instructions:

Inlet Filter will collect a lot of sediment. Clean Inlet Filter while mounted on the grate, even if ponded water surrounds the inlet. This unique feature ensures all water entering the grate is filtered. Sweep sides and top of Inlet Filter to remove sediment and debris after each rain event.

1. Remove sediment from the sides of the filter by sweeping away from Inlet Filter.

2. Remove sediment from the top of the filter by sweeping off of Inlet Filter.

Inlet Filter is prepared for the next rain event.

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APS 700 Series Floc Logs

APS 700 Series Floc Log is a group of soil specific tailored log-block that contains blends of water treatment components and polyacrylamide co-polymer for water clarification and erosion control.

Primary Applications:

- Mine tailings and waste pile ditches
- Newly cleared construction or building sites drainage
- Road and highway construction runoff ditches
- Ditch placement for all forms of highly turbid waters

Features and Benefits:

- Removes solubilized soils and clay from water
- Prevents colloidal solutions in water within ditch systems
- Binds cationic metals within water, reducing solubility
- Reduces pesticide and fertilizer loss during rain events from runoff
- Increases soil permeability and water penetration to shallow plants in ditches
- Reduces operational and cleanup costs
- Reduces environmental risk and compliance

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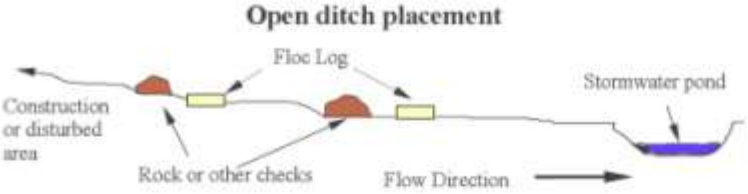
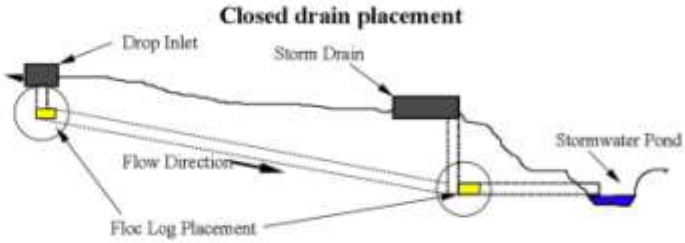
APS 700 Series Floc Logs





Placement
Each Floc Log is designed for placement within a ditch averaging 3 ft wide by 2 ft deep. Floc Log placement is based on gallon per minute flow rates. Note: Actual GPM or dosage will vary based on site criteria and soil/water testing.

Directions for Use
Mixing of water and Floc Log is most important! APS 700 series Floc Log should be placed within the upper quarter to half of a ditch system or as close as possible to active earth moving activities. Simply anchor a stake into the center of the ditch system as far upslope as possible and secure the Floc Log to the stake in the center of the ditch. APS 700 series Floc Log can easily be moved to different locations as site conditions change. The addition of soft armor covered ditch checks below the Floc Log will greatly improve water clarity. Construction of mixing weirs may be required in areas with: short ditch lines, swelling clays, heavy particle concentrations, or steep slopes.

Cleanup
Use soap and water to wash hands after handling. Plastic or rubber gloves are recommended during movement after usage.

Precautions / Limitations

APS 700 series Floc Log will become extremely slippery when wet.
Clean up spills quickly, DO NOT use water unless necessary as extremely slippery conditions will result.
APS Floc Log will remain viable for up to 180 days.
APS 700 series Floc Logs have been specifically tailored to specific soil types.
Soil types in varying geographical areas should be tested to determine the correct product application.

Terra-Tubes®

Terra-Tubes® are the industry's most cost-effective storm water treatment device—designed to effectively trap, filter and treat sediment-laden runoff while reducing hydraulic energy. Terra-Tubes Fiber Filtration Tubes are engineered composites of wood fibers, man-made fibers and performance-enhancing polymers—all encased in heavy-duty cylindrical tubes.

This revolutionary filtration medium is available as a superior polymer delivery system or as stand alone, high performance fiber tubes to accommodate specific applications, including:

- Slope Interruption Devices (SIDs)
- Channel/Ditch Flow Checks
- Bio-Swale/Storm WaterTreatment Systems
- Drain Inlet Protection
- Perimeter Sediment Control

Terra-Tubes Outperform Competitive Technologies

- Does everything better than common fiber rolls and wattles...and more!
- Proven to be far more effective in independent testing
- 15 times more effective in reducing turbidity
- 15 times more effective in controlling sediment loss
- Lightest weight and easiest to ship, handle and install

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Terra-Tubes®

Terra-Tubes - Fiber Filtration Tubes (FFT) Installation Overview -

Slopes:

Vertical spacing for slope installations should be determined by site conditions. Key parameters include slope gradient, length of slope, soil type, climate, design event and anticipated runoff. General guidelines follow:

Slope Gradient	FFT Interval
1H:1V	15' (4.6 m)
2H:1V	25' (7.6 m)
3H:1V	35' (10.7 m)
4H:1V	50' (15.2 m)

When installing on highly erosive soils, decrease interval distance. On less erosive soils, increase interval distance.

step 1

1. For maximum performance Terra-Tubes must be installed to maintain intimate contact with the soil surface. Terra-Tubes should be installed prior to hydraulic or dryland seeding applications. They may be installed before or after the installation of rolled erosion control products (RECPs). Smooth soil surface and remove all obstructions >1"-2" in diameter.

   Deploy Terra-Tubes FFT where material is to be installed.

step 2

2. Anchor the upslope/upstream side of FFT using 6"- 8" U-shaped wire staples or approved devices at 1' intervals. Position anchors 1" inward from upper edge of FFT and drive flush to soil surface.

step 3

3. Raise tube to fullest height and drive 12"-18" wooden stakes or approved metal rods through downslope/downstream side of FFT at 2' intervals. Drive stakes 1" inward from downslope/downstream edge of FFT, leaving 2"- 3" of the stake protruding above the FFT. Take care not to compress the FFT structure.

4. The FFT should appear more rectangular than round. Backfill and compact loose soil against upslope/upstream side of FFT.

step 4

5. Overlap adjacent FFT roll ends by a minimum of 1'. Reduce stake interval on downslope/downstream FFT to 1' interval making sure to place a stake at the terminus of the FFT. Continue to use wire staples on 1" centers on upslope/upstream side of FFT. Extend next FFT 1' past terminus and upslope/upstream of preceding FFT and place wire staples on 1' intervals. Then, drive stakes through outer 1" of both FFTs to complete the overlap.

Channels:

step5

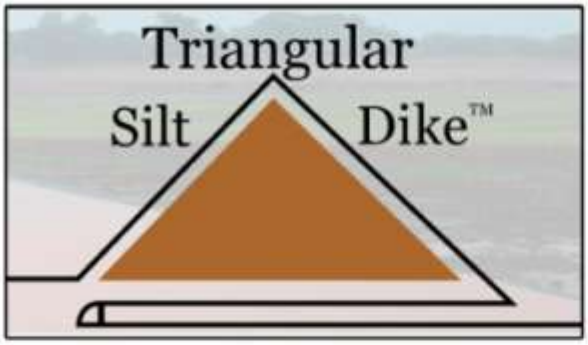
1. Construct anchor trench 3" deep by FFT roll diameter and place loose soil against upstream side of FFT. For channel gradients of 2% install anchor trenches on 25' intervals. Decrease interval distance of anchor trenches with steeper channel gradients or more highly erosive soils.

2. Follow above installation sequence for slope installations, but decrease interval of both upstream and downstream anchoring devices to 1 foot.

Notes: Consult detailed Terra-Tubes Installation Guidelines for additional information. Site conditions may dictate the following considerations:

- *Recommended anchoring devices and anchor trench intervals may be adjusted.*
- *Anchor trenches on slopes may be advisable.*
- *When warranted, use a 3.25' wide roll of Futerra® F4 Netless™ blanket as a scour apron beneath FFT.*

Triangular Silt Dike™



Made with lightweight and durable materials, Triangular Silt DikeTM barrier comes in seven foot section and installs in minutes with U-shaped wire staples.

The flexibility of the barrier allows it to be installed on rough and rocky terrain while the protective aprons on both sides of the barrier helps prevent erosion and failure of the structure.

- Effective
- Fast & Easy Installation
- Conforms to Curves and Rough Terrain
- Light Weight & Durable
- Re-usable
- Easy to Install on Concrete or Asphalt

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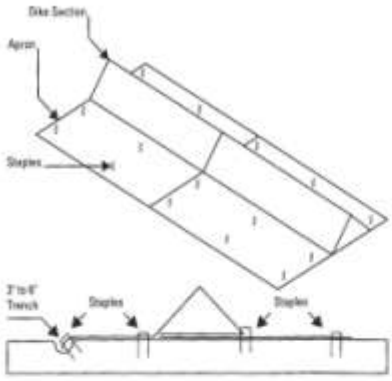
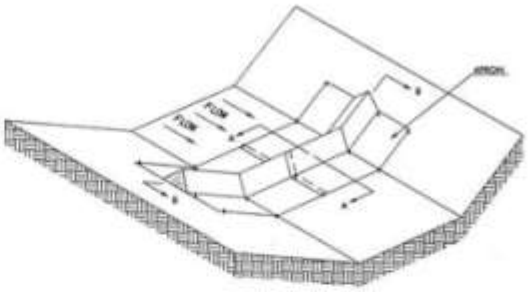
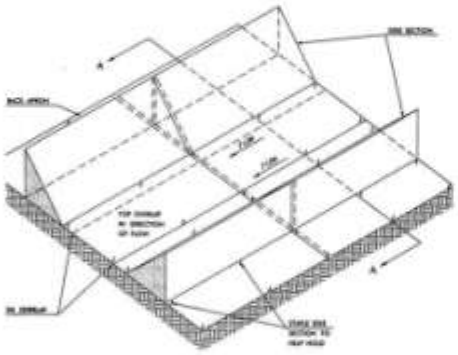
Triangular Silt Dike™



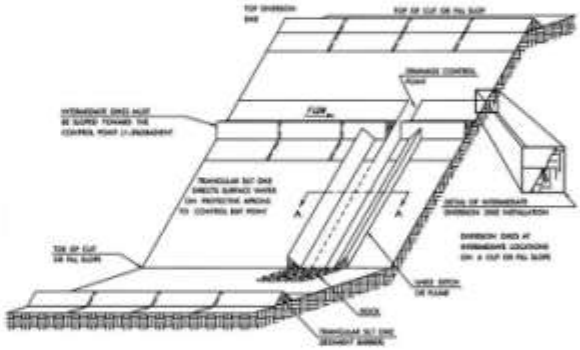
Typical Installation



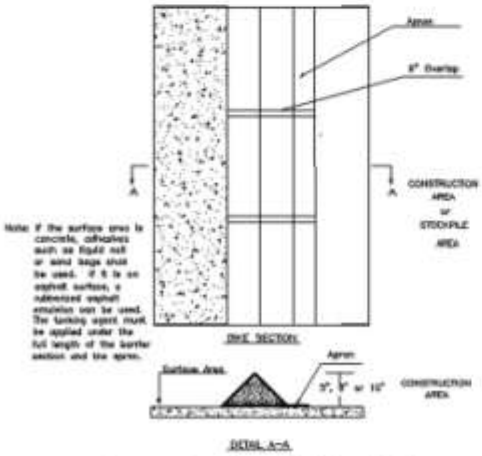
Roadway or Drainage Ditch



Ditch Liner



Diversion Dike



Concrete or Asphalt Installation

Maritime™ Hydroseed

www.maritimehydroseed.com

506.672.1600

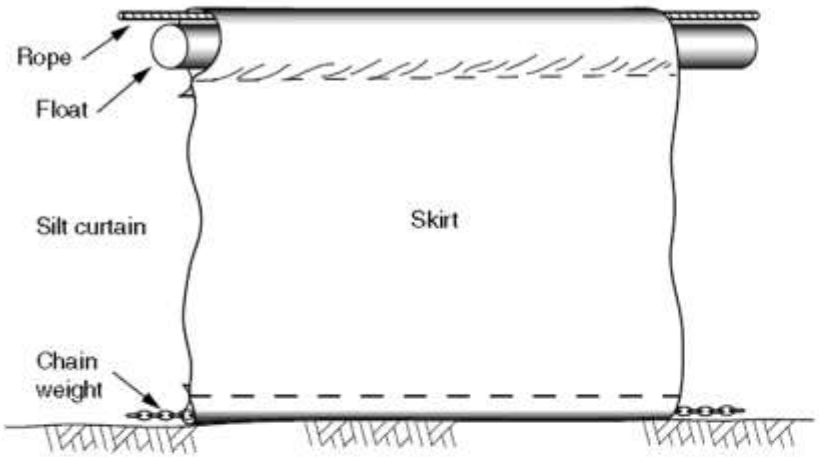
Floating Turbidity Barrier

A Floating Turbidity Barrier or Floating Silt Curtain is a flexible sediment control barrier designed to prevent the spread of silt and sediment in lakes and other water bodies when work is being performed in the water, or near the shoreline. By keeping silt and sediment confined to a limited area, it can be collected before entering adjacent watercourses.

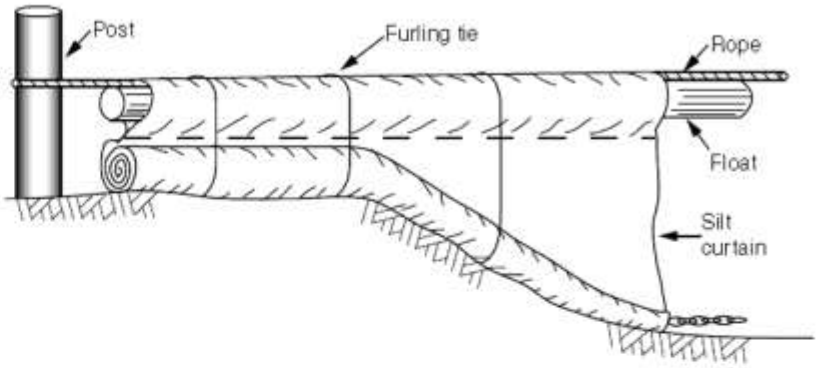
Constructed of permeable or non-permeable material, the Turbidity Curtain is suspended vertically in the water with flotation material enclosed in the top pocket and a ballast chain enclosed in the lower pocket. Maritime Hydroseed provides standard and custom fabricated sizes with material options and curtain depths and lengths to suit your project needs.

- Pre-assembled and ready to deploy
- Standard size is 100' long x 12' deep
- Expert custom sizes on demand
- Woven or non-woven geotextile
- Ability to connect multiple curtains
- Full-length 5,000 lb load line

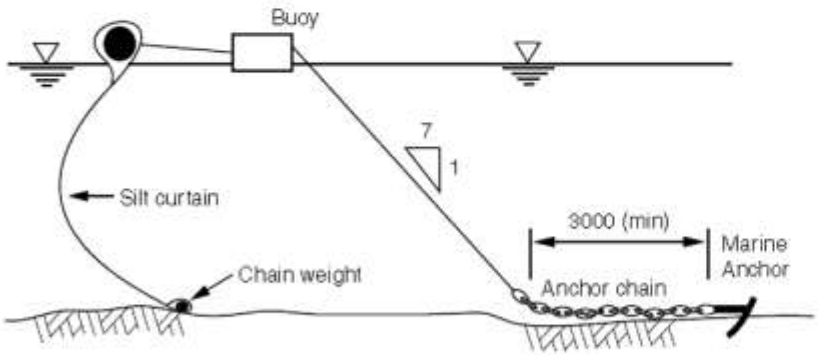
Maritime™ Hydroseed
www.maritimehydroseed.com
506.672.1600



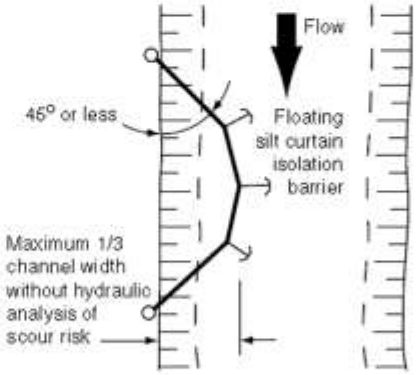
(a) Components of a floating silt curtain



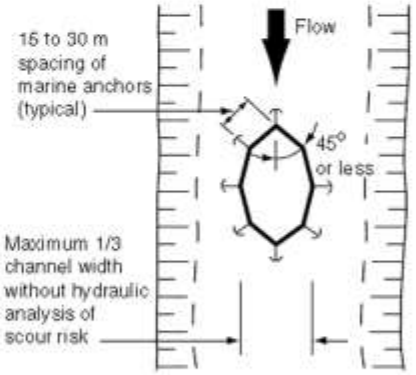
(b) Typical land anchorage system



(c) Typical marine anchorage system



(d) Typical installation of floating silt curtain



(e) Typical installation of floating silt curtain