

GUTTERBUDDY

Curb Gutter Storm Drains

Gutterbuddy Curb Inlet and Ditch Pavement Filters

Gutterbuddy Advantages

- Easy to transport, install and maintain.
- Keeps road and utility surface and other flow paths clear.
- Available in 2' and 4' lengths.
- Available in 12" and 18" depths.

Gutterbuddy Curb Inlet Filter

Retards storm water runoff and other pollutants from entering storm water systems. High strength polypropylene mesh allows water to flow through while blocking out debris and sediment.

Load bearing Gutterbuddy Curb Inlet Filter is designed for 2" and 4" depths. It is made of high strength polypropylene mesh and is available in 12" and 18" depths. It is designed to be used in conjunction with a curb and gutter system.

Gutterbuddy Ditch Pavement Filter

Retards storm water runoff and other pollutants from entering storm water systems. High strength polypropylene mesh allows water to flow through while blocking out debris and sediment.

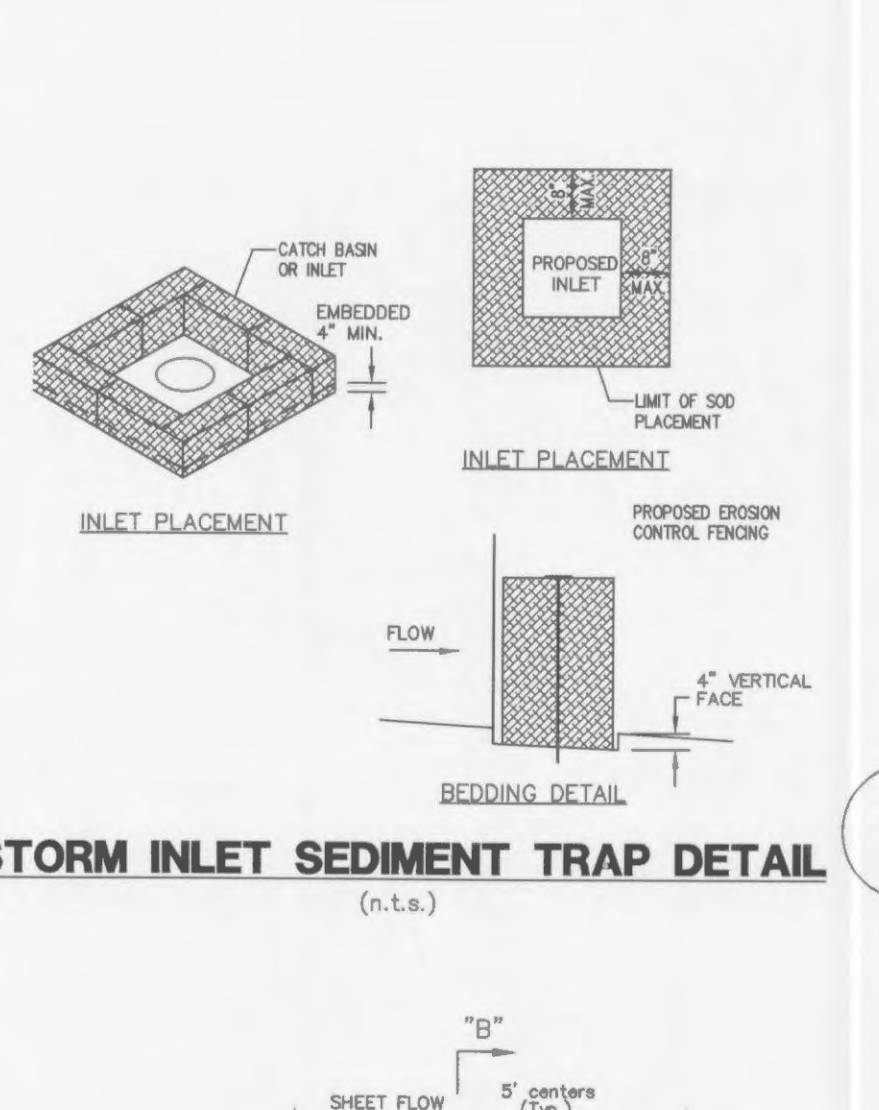
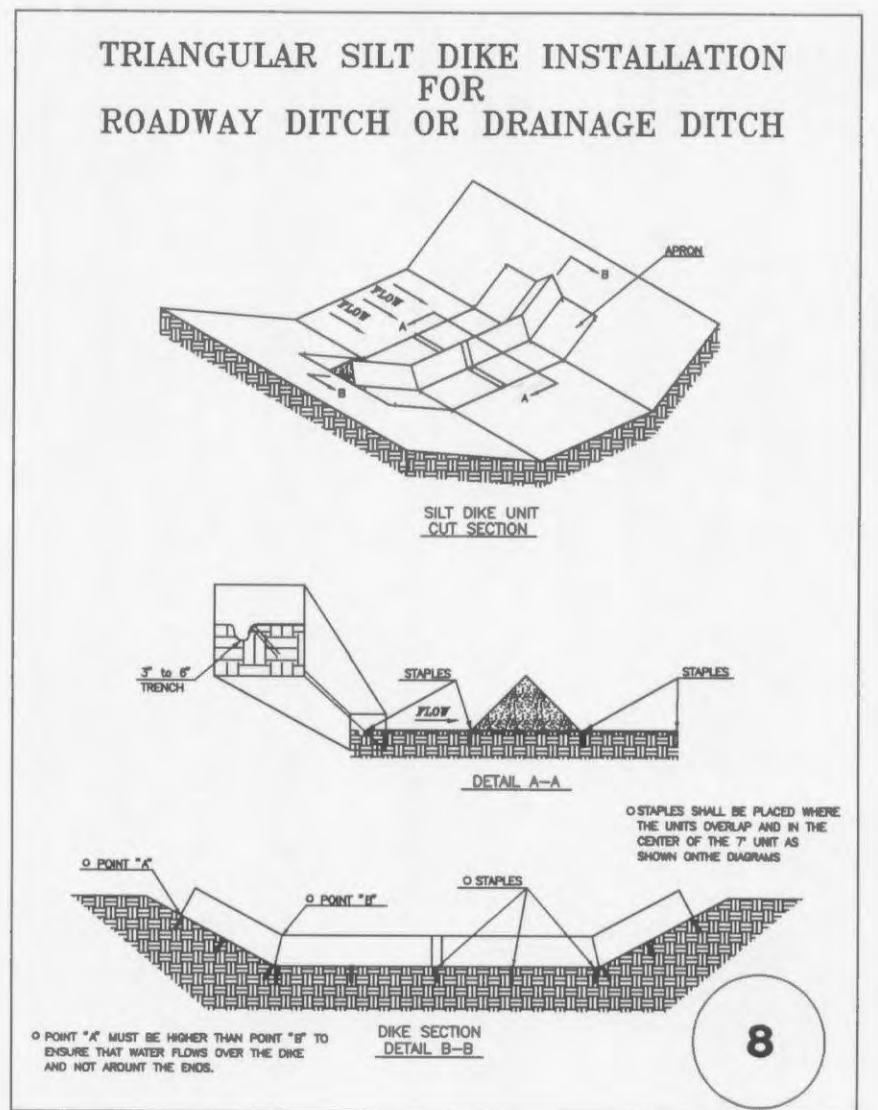
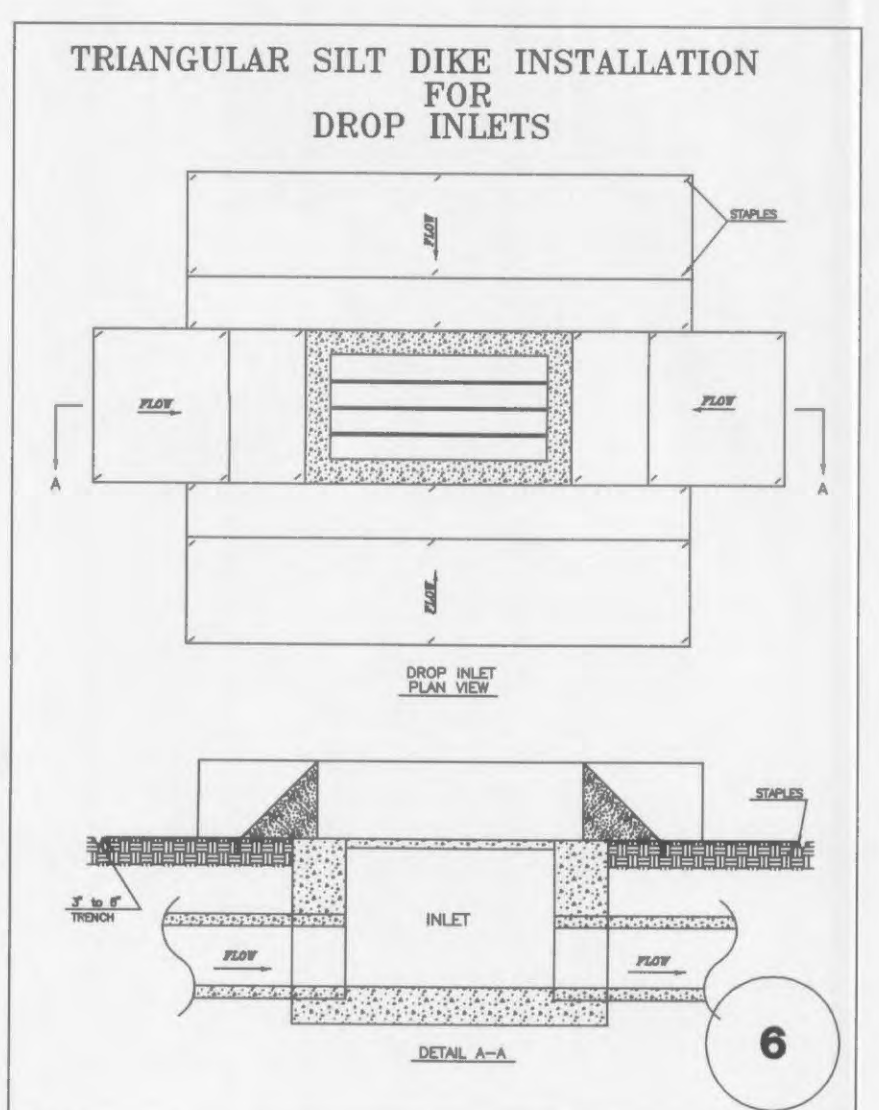
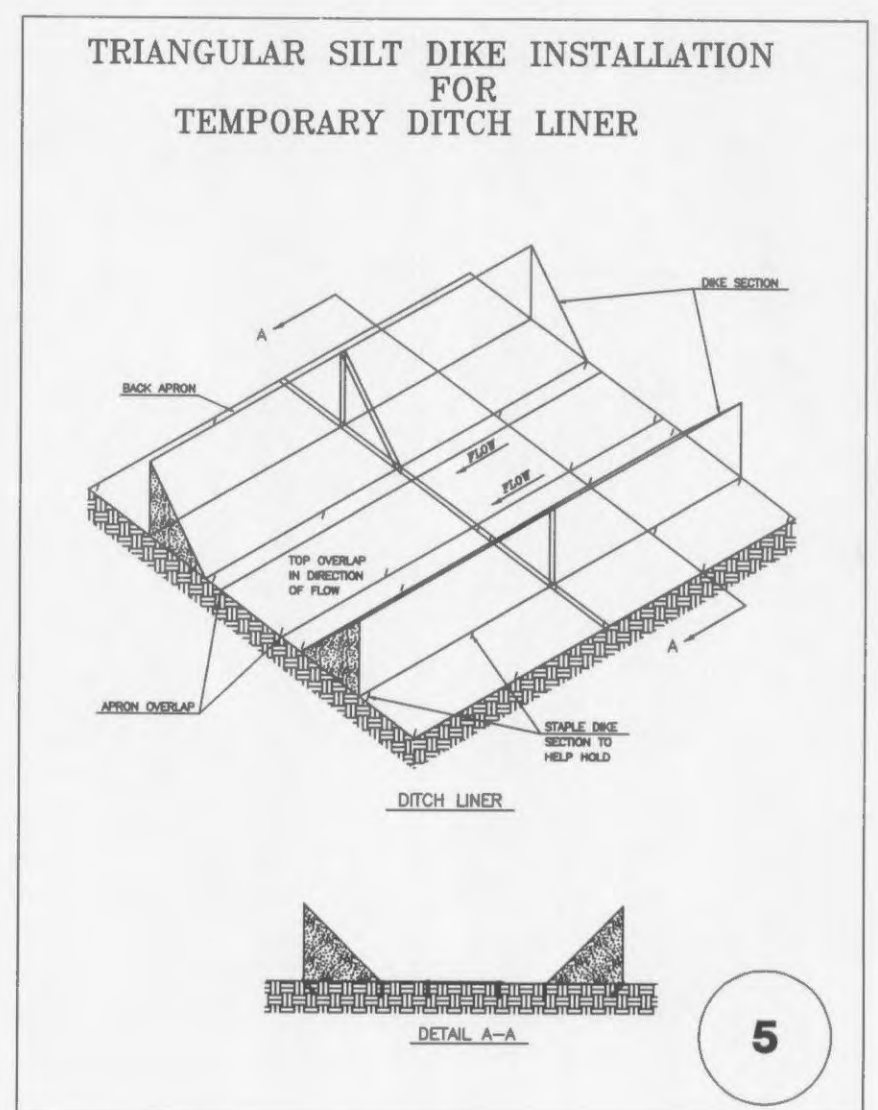
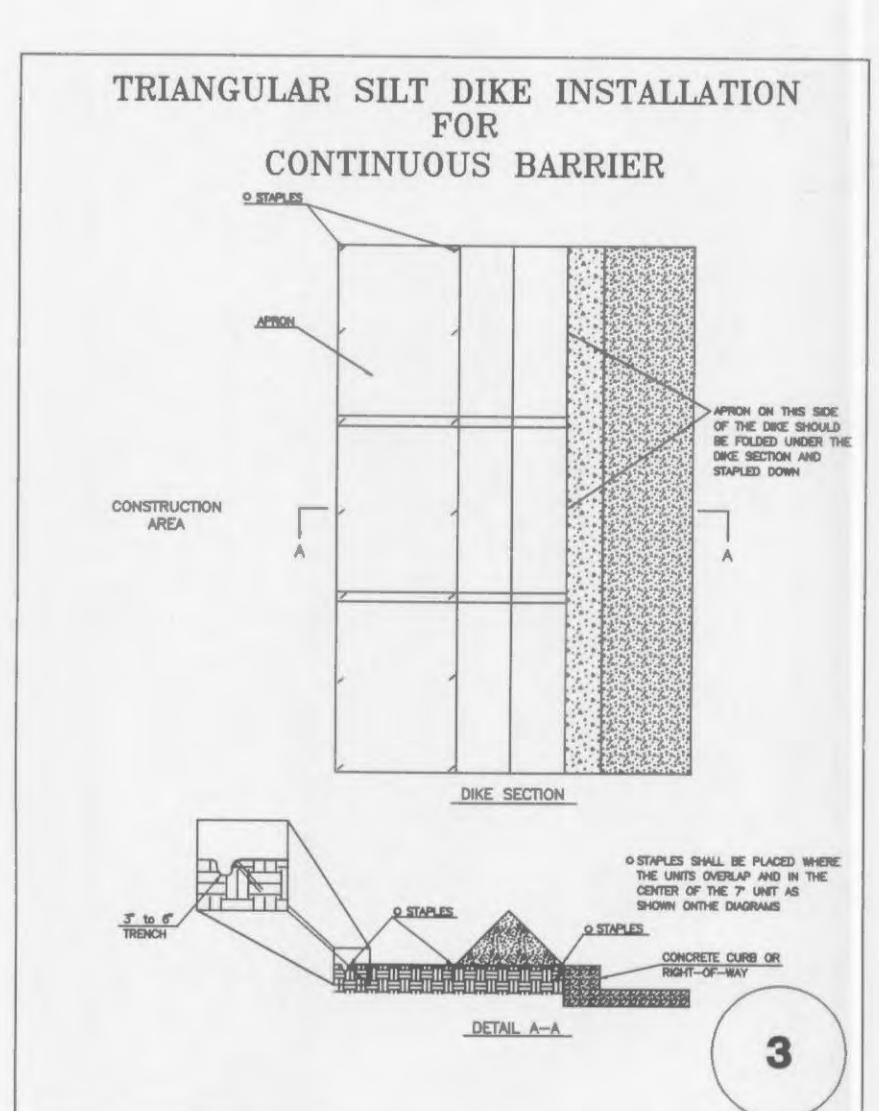
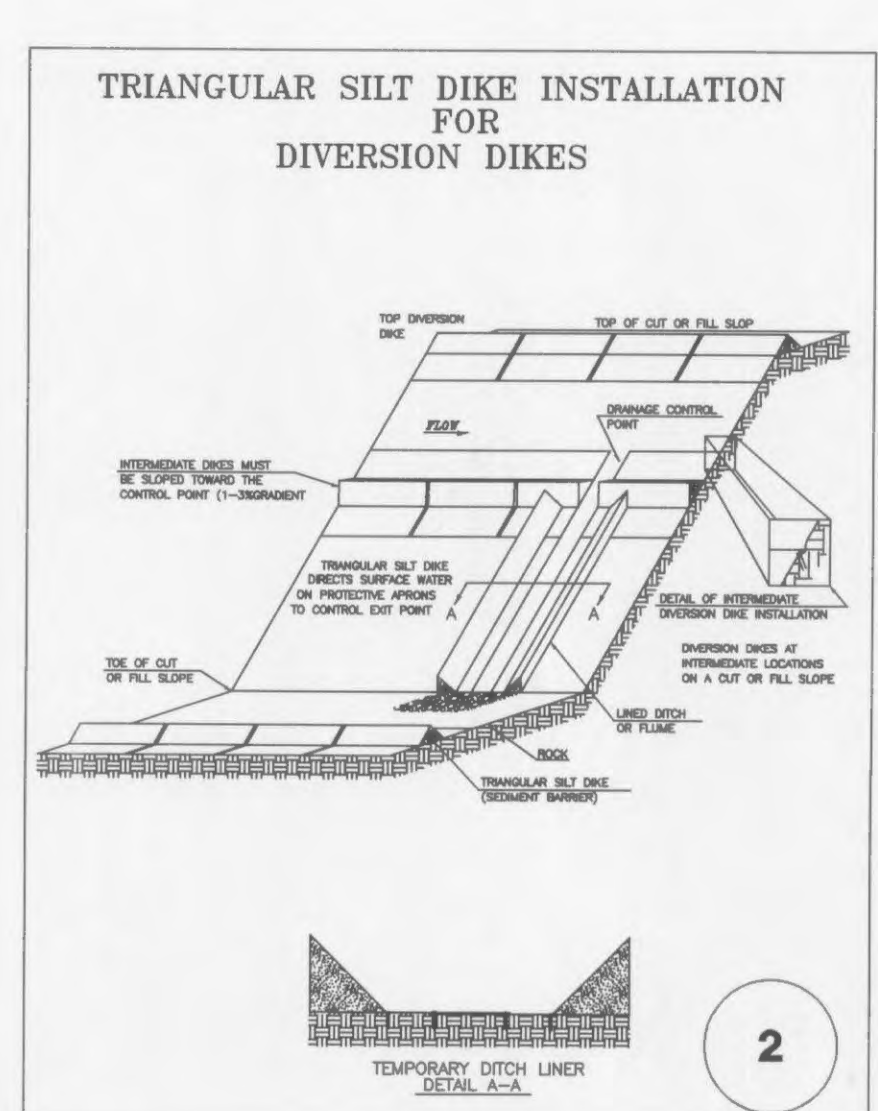
Load bearing Gutterbuddy Ditch Pavement Filter is designed for 2" and 4" depths. It is made of high strength polypropylene mesh and is available in 12" and 18" depths. It is designed to be used in conjunction with a ditch and pavement system.

GUTTERBUDDY

Curb Gutter Storm Drains

ACFSI combine forces for Solution Implementation
A Partnership for Water Quality

SF Geosolutions



SILT-SAVER, INC.

More than just a filter/safety device

SS-100A (round) and SS-200A (square) FRAME and FILTER ASSEMBLY

Reinforced HDPE Frame
Keeps Sit Above The Ground
Fast, Easy Installation
No Hazardous Stakes
Safe Worksite
Maximum Filtration
Fail-Safe Design

Specifications

The patented Silt-Saver Frame is constructed of partially recycled, high molecular weight, high density polyethylene (HDPE). This material has superior strength characteristics combined with high impact strength and rigidity.

Frames are currently available in 2 models:
SS-100A - Round Base to fit the 60" O.D. present frames as used in most residential and light commercial applications and
SS-200A - Square Base to fit the 60" O.D. back or present designs as used in most C.O.T. Highway applications.

Silt Saver Frame and Filter Assembly will also accommodate drainage structures smaller than those listed with no special design required.

The patented Silt-Saver Filter designed to custom fit each frame and is constructed of non-woven polypropylene mesh. The mesh is heat set to provide durability. This material was chosen for its ability to provide consistent and continuous filtration under everyday job site conditions. The screen has high visibility orange coloration. The filter top not only provides the visible safety but also provides a higher flow for the unsuspected job site.

Weight	3.7 lbs	3.9 sq ft
Frame strength	2400	900
Frame size	24" x 24"	36"
Mesh size	3/16"	100
Mesh weight	4.000	90
Frame size	24" x 24"	36"
Mesh weight	4.400	90
Frame size	24" x 24"	36"
Mesh weight	4.400	90
Frame size	24" x 24"	36"

For Product Information Contact Your Local Distributor or Silt-Saver, Inc.
7700 188 Ave. Rd. Freeport, ME 04931 800-551-7148
www.silt-saver.com

GeoRidge

The GeoRidge System

GeoRidge is a geotextile water flow control system designed for erosion and sediment control. The system is composed of a UV stabilized HDPE and designed to retain sediment from the flow of water. GeoRidge is made of a geotextile fabric with a woven mesh of polypropylene fibers.

GeoRidge Advantages

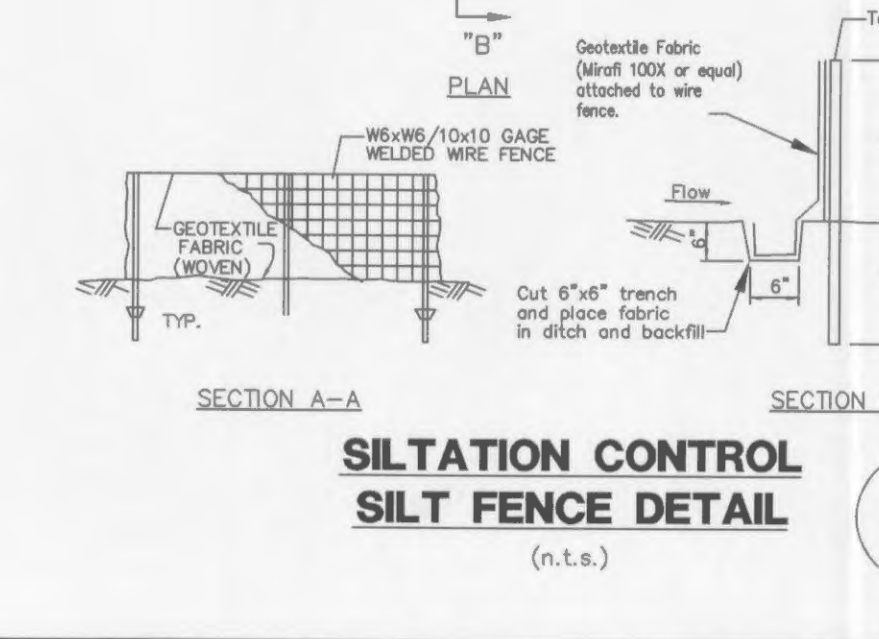
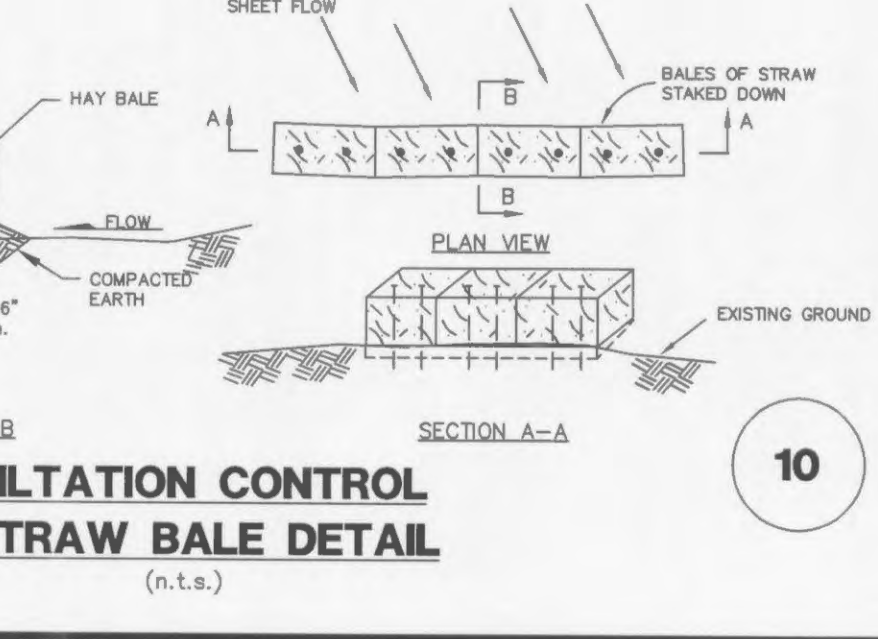
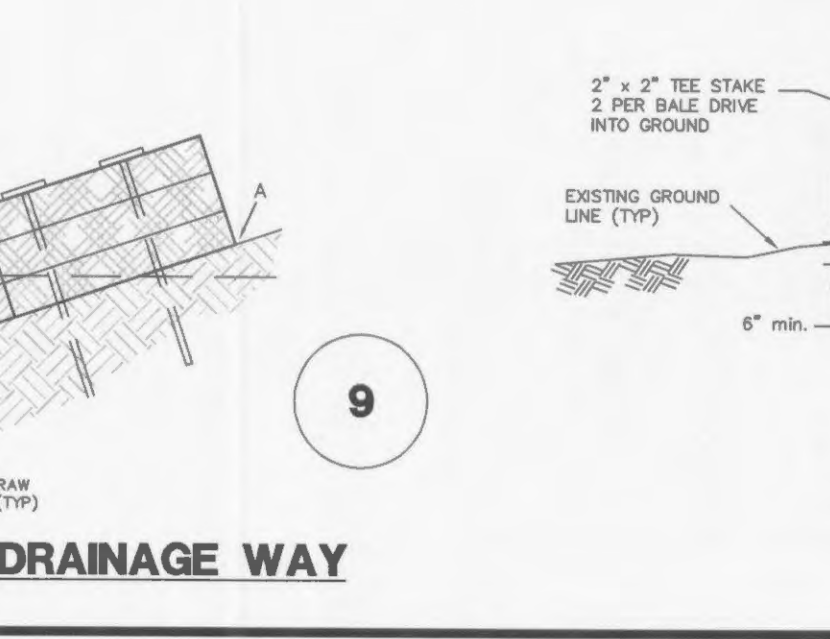
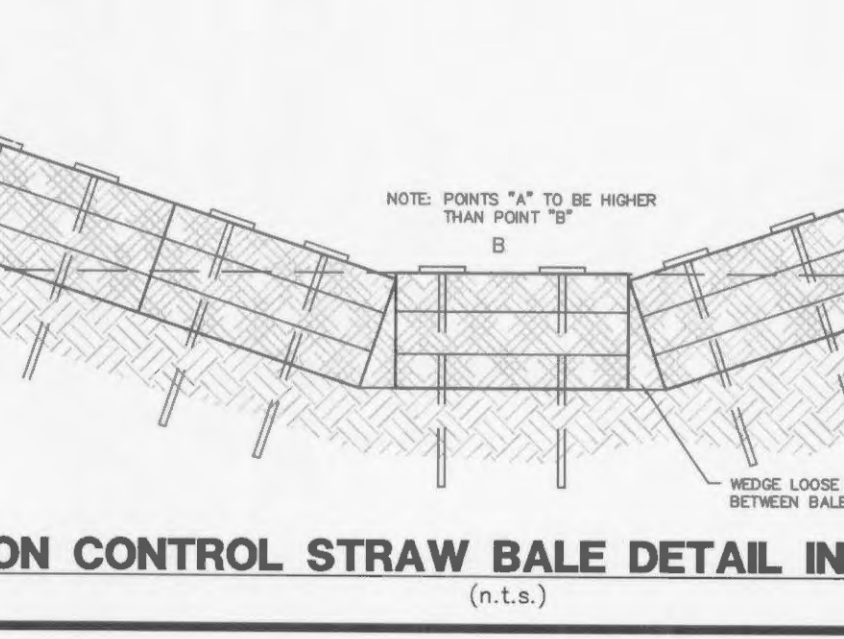
- Composed of 100% recycled HDPE
- Lightweight - about 1 lb (2 lbs)
- Reusable
- Portable and available - GeoRidge can easily fit on a pickup truck
- Quick and easy installation
- No machine tracking required
- Simple anchoring system
- Minimizes maintenance
- Collects sediment and debris
- Reduces rather than blocks flow velocities
- Open structure allows vegetation
- Complements the performance of erosion control barriers.

GeoRidge Applications

- Residential ditches
- Developments
- Construction sites
- Slope stabilization
- Slope stabilization
- Slope stabilization
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- Slope stabilization

Recommended Options

Erosion Control Barriers are recommended directly under the GeoRidge panels. These barriers prevent undercutting of the panels and encourage the earliest possible vegetation growth.



SILTATION CONTROL NOTES

- Inspection of siltation control devices shall take place once every seven days and within 24 hours of any 0.5"/24 hour rain event. Any siltation control in need of repair shall occur immediately.
 - Any disturbed areas which will remain unworked for 15 days or more shall be stabilized with seeding and mulching per specifications within 7 days. If seasonal conditions prohibit seeding, mulching or matting shall be used.
 - All slopes or drainage channels, once constructed to final grade, shall be seeded and mulched per specifications within seven (7) days.
 - Siltation Control shall be installed immediately around each storm sewer structure once final construction of each individual structure is complete.
 - All siltation control devices shall remain in place until upslope areas have been permanently stabilized.
- #### Siltation Control Schedule Implementation
- Perimeter siltation control and construction entrances to be installed.
 - Begin placing aggregate base in parking areas once area has reached final grade to prevent erosion.
 - Place silt control around each storm sewer structure as it is completed.
 - Immediately seed areas upon reaching final grade that are to be permanently seeded.
- #### Temporary Access Roads and Parking Areas Specifications
- Temporary roads shall follow the contour of the natural terrain to the extent possible. Slopes should not exceed 10 percent.
 - Grades should be sufficient to provide drainage, but should not exceed 4 percent.
 - Roadbeds shall be at least 24 feet wide.
 - All cuts and fills shall be 3:1 or flatter to the extent possible.
 - Drainage ditches shall be provided as needed.
 - The roadbed or parking surface shall be cleared of all vegetation, roots and other objectionable material.
 - A 10-inch course of 2" MINUS aggregate shall be applied immediately after grading or the completion of utility installation within the right-of-way. Filter fabric may be applied to the roadbed for additional stability in accordance with fabric manufacturer's specifications.
- #### Vegetation
- All roadside ditches, cuts, fills and disturbed areas adjacent to parking areas and roads shall be stabilized with appropriate temporary or permanent vegetation according to the applicable standards and specifications.
- #### Maintenance
- Both temporary and permanent roads and parking areas may require periodic top dressing with new gravel. Seeded areas adjacent to the roads and parking areas should be checked periodically to ensure that a vigorous stand of vegetation is maintained. Roadside ditches and other drainage structures should be checked regularly to ensure that they do not become clogged with silt or other debris.
- #### Silt Fence Specifications
- Silt Fence to be woven geotextile fabric Mirafi 100X or equal.
 - Fabric to be supported by metal tee post with spade base spaced on 5' centers or per approved manufacturer's recommendations.
 - Fabric shall be entrenched and backfilled. A trench shall be excavated a minimum of 6 inches deep for the length of the fence. The excavated soil shall be backfilled against the fence. See detail this sheet.
 - Fence height shall be a minimum of 2 feet in height, with the fabric installed on the fence on the upstream side.
 - Silt fences shall be used only on sheet flow conditions.
 - Silt fences shall be installed around all storm sewer structures.
- #### Maintenance
- Silt fence barriers shall be inspected immediately after each rainfall and at least daily during prolonged rainfall.
 - Close attention shall be paid to the repair of damaged barriers, end runs and undercutting beneath barriers.
 - Necessary repairs to barriers or replacement of fences shall be accomplished promptly.
 - Sediment deposits should be removed after each rainfall. They must be removed when the level of deposition reaches approximately one-half the height of the barrier.
 - Any sediment deposits remaining in place after the silt fence barrier is no longer required shall be dressed to conform to the existing grade, prepared and seeded.
- #### Strow Bale Siltation Control Specifications
- #### Channel Flow Applications
- Rock Check Dams shall be placed in a single row, lengthwise, oriented perpendicular to the contour, with ends of adjacent bales tightly abutting one another.
 - The barrier shall be extended to such a length that the bottoms of the end bales are higher in elevation than the top of the lowest middle bale to assure that sediment-laden runoff will flow either through or over the barrier but not around it.

13 TEMPORARY CONSTRUCTION ENTRANCE

GOLD'S GYM - O'FALLON, MO

EROSION CONTROL DETAILS

STOCK & ASSOCIATES
Consulting Engineers, Inc.

257 Chesterfield Business Parkway
St. Louis, MO 63005
PH. (636) 530-9100
FAX (636) 530-9130
e-mail: general@stockassoc.com
Web: www.stockassoc.com

MoDOT, WATER COMMENTS 11/10/06
CITY, MoDOT, FIRE COMMENTS 11/7/06

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