

# ERTEC® GR8 Guard™ - Installation Guide - For drainage inlets with grates in paved areas

## Installation Notes

- 1. Placement:** Select correct size (Table 1). Do not remove grate. Lay GR8 Guard™ on top of grate. GR8 Guard™ shall extend at least 3 inches beyond grate in each direction
- 2. Anchor methods:** **A)** Attach with 16-gauge tie wire. Cut wire to 18" lengths. At each corner of GR8 Guard™, feed one end of wire down thru GR8 Guard™, around grate bar, and back-up thru GR8 Guard™. Above ground, pull tight and twist wires several times. Cut off excess (Fig 1) or **B)** Place small snake bags or equivalent (gravel bags) containing clean, pea-sized graded gravel around perimeter of GR8 Guard™ (Fig. 2), or **C)** Place traffic cone on top of GR8 Guard™ (Fig 3). For better performance and durability install with Top Guard™ adhesive (Loctite® Power Grab All Purpose) caulk. This adhesive peels off easily when GR8 Guard™ is removed. See installation videos: Part I: <https://youtu.be/qMPq9mE2784> Part II: <https://youtu.be/3GfbgpYuHNw>
- 3. Clean:** Accumulation of leaves, debris and sediment can cause backups! Clean after every storm or as necessary.
- 4. Protect:** In stop and go traffic areas where exposed to constant tire abuse, it is useful to place traffic cones or delineators on or near GR8 Guard to discourage run-overs. GR8 Guard works well with periodic run-overs, but does not survive long in constant stop and start traffic.

Table 1

Grates less than	GG Size
12"x12"	GG 12x12
20"x20"	GG 20x20
28"x28"	GG 28x28
36"x24"	GG 36x24
36"x36"	GG 36x36
42"x28"	GG 42x28
48"x24"	GG 48x24
48"x36"	GG 48x36
48"x48"	GG 48x48
Custom Sizes Are Available	

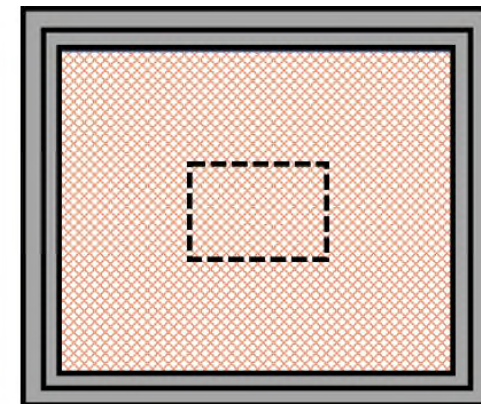
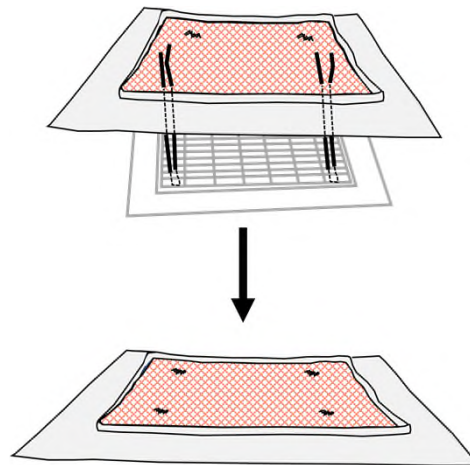


Fig. 1

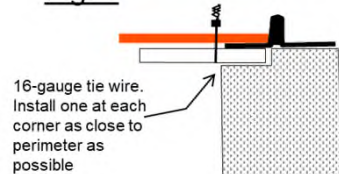


Fig. 2

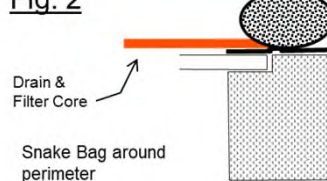
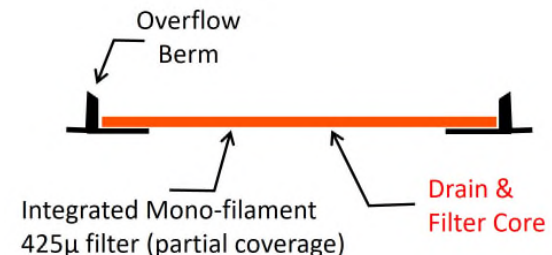


Fig. 3



**Maintenance:** Perform maintenance as required. Inspect following rainfall events and at least daily during prolonged rainfall. Maintain to provide an adequate sediment holding capacity. Debris shall be removed daily and sediment shall be removed when the sediment accumulation reaches 50% of the barrier height. Removed sediment shall be incorporated in the project at designated locations.

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Ditch Checks

- Triangle Silt Dike
- GeoRidge

Perimeter Protection

- High and Low-Porosity Silt Fence, Straw Wattles, Silt Socks
- Safety Fence

Flocculants & Water Treatment

- Polymer-Based & Natural Flocculants

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Dewatering Bags

Trackout Control

- FODS
- Rumble Grates

Turbidity Curtains

### EROSION CONTROL

Basic Hydraulically Applied Mulches

- Wood
- Paper
- Blends
- Straw

High-Performance Hydraulically

Applied Products

- BFM
- FGM
- Additives & Tackifiers

Temporary Erosion Control Blankets

- Coir & Jute Mat/Nettings
- Short-Term ECBs
- Extended-Term ECBs

Permanent Erosion Control Blankets

- Turf Reinforcement Mats
- HP-TRMs
- Anchor Reinforced Vegetation System

Structural BMPs

- Transition Mats
- Geoweb Cellular Confinement
- Composite Vegetated Armor System
- Flex MSE Vegetated Wall System
- Articulated Concrete Block
- Gabions
- Grout-Filled Geotextile Mats

Vegetation Establishment

- Native Seed & Turf Seed
- Fertilizers
- Organic Soil Additives
- Stratavault Soil Cells

### STORMWATER MANAGEMENT

Water Quality

- Inlet Filter Boxes
- Pre-Treatment Chamber
- Nutrient Separating Baffle Boxes
- High-Flow Biofiltration Media
- Hydrodynamic Separators
- Stratavault

Water Quantity

- Modular Underground Storage Systems
- Chamber Detention Systems

Drainage

- HDPE Swale Liner
- Pipe & Fittings
- Drainage Composites
- Strip Drain

Inlet Structures

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- Landscape

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- Grass Pavers
- Gravel Pavers
- Concrete Pavers

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