

ERTEC Environmental Systems

Protecting Global Lands and Waterways™

Case Study

Curb Inlet Guard™

Curb Inlet Protection



- > Lower Project Costs
- > Better Performance
- > R R R™
 - ✓Recycled
 - ✓Reusable



Rapid installation



Easy to monitor, clean, and remove. The gravel bags serve to slow water velocity, fostering greater sediment removal

Application: Drain Inlet Protection — Home Building
Product: ERTEC Curb Inlet Guard™ for curb openings
Location: Arizona
Customer: Richmond American Homes
Project dates: 2007-2008



100% American Content / Labor

Curb Inlet Guard is a low cost, four layer system designed to reduce sedimentation and debris into curbside drain inlets during construction. It is an important part of a comprehensive Best Management Practice approach for site sediment control. The system is designed to optimize the important trade-off between safety (allowing storm water to flow off the street) and removing sediment. The integrated filter has a vertical height of 2 inches to allow water to bypass during high flow conditions. Installation and maintenance is rapid. Modular 74" segments fit 5' openings and neatly overlap for longer curb inlet openings. Variable bracket height allows adjustment for different size openings. The system has a long life, is resistant to traffic, and reusable. The units are made from recycled and durable HDPE.



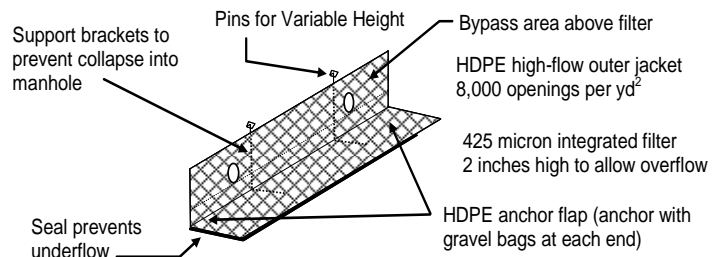
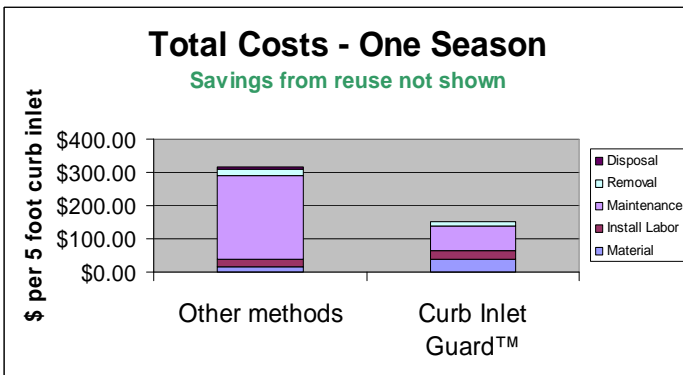
The Challenge: Over the course of a home construction project, current systems require high maintenance costs and often need to be completely replaced once or twice.

Alternatives: Previous practices include using wattles and gravel bags. These approaches can lead to backups, extra debris inside the storm drain, lots of extra maintenance, and are often not reusable.

Solution: Curb Inlet Guards are installed with gravel bags on each end and at overlaps. One size fits all. Sections are overlapped for long openings. The gravel bags serve to anchor the system, and slow water before it reaches the filter.

Decision Making Process: "The decision to switch to ERTEC Curb Inlet Guard was made for the following five reasons: 1) It allows water to flow off the street while retaining a high amount of sediment: Other inlet devices have a much greater potential to block flow, which can cause ponding on the street and safety issues. 2) It allows for a reduced risk of worker injury: our previous standard was gravel bags arranged around curb openings. Gravel bags require a lot of stooping and lifting for installation and maintenance. Curb Inlet Guard is very light, and very quick and easy to clean so there is less chance of worker injury. 3) It is long lasting: Curb Inlet Guard is low profile so there is much less damage and replacements. 4) It is very easy to maintain: Curb Inlet Guard is very easy to pick up, shake out, and reinstall. 5) It has good economics: Given the important considerations above and the relatively low installation cost, the economics fall attractively into place," said Jason Saline, Director of Storm Water and Safety Compliance, Richmond American Homes—Tucson, Arizona.

"The ERTEC Curb Inlet Guard is the best product I have worked with on the market in terms of both performance and economics. One size fits all, so I don't have to deal with different sizes for different jobs. It is lightweight and logistically easy," added Mike Szlauko of Landscape Solutions an installer of sediment control solutions for Richmond American Homes in Arizona.



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 1150 Ballena Blvd. Suite 250, Alameda, CA 94501
 phone: 510-521-0724, fax: 510-521-3972
 sales@ertecsystems.com, www.ertecsystems.com