COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3033-10

Product Evaluation Coordinator
Colorado Department of Transportation
4670 North Holly Street, Unit A
Denver, Colorado 80216

Material code: 604.04.04.02

FOR INTERNAL CDOT USE

Material code description full name: Storm Water Separator, High Flow

PART 1

Product name: Stormceptor - STC Series	Product category: Drainage\Storm Water Separator\High Flow Hydrodynamic
Product representative (name & address): Attn: Brian Schram, Rinker Materials - Concrete Pipe Division, 8311 Carder Court, Littleton, CO 80125. Phone: (303) 791-1600 FAX: (303) 791-1710	Manufacturer (name & address): Attn: Brian Schram, Rinker Materials - Concrete Pipe Division, 8311 Carder Court, Littleton, CO 80125. Phone: (303) 791-1600 FAX: (303) 791-1710
Web-site address: www.RinkerStormceptor.com	Web-site address: www.RinkerStormceptor.com

Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)

- Stormceptor® is a water quality treatment device used to remove total suspended solids (TSS) and free oil (TPH) from storm water run-off.
- Stormceptor® is manufactured with a fiberglass disc insert and precast reinforced concrete components meeting AASHTO & ASTM standards.
- Stormceptor® can also replace a conventional junction or inlet structure within a storm drain system to reduce overall cost.
- A key component of Stormceptor® is the patented internal by-pass which prevents re-suspension and scouring of previously trapped pollutants. During infrequent high flow events (less than 10 percent of all storm events), peak storm water flows over the diverting weir and continues downstream eliminating the need for additional diversion structures. Treatment of the storm water continues during these periods of infrequent high flow events.

Restrictions, (installation and/or use):

Use of the product, (be specific to CDOT highway activities only):
High efficiency removal of TSS and TPH from stormwater run-off discharge into receiving waters or storm drainage system.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
Protect Colorado's water quality, and protection against resulting fines from polluted storm water discharge. The Stormceptor® is designed to treat storm water pollution at the source and is well suited to retrofit application. The small footprint allows the unit to be used within the storm drain line or for projects with tight space constraints. Maintenance is easily accomplished with a standard vacuum truck, confined space entry is not normally required. Normal maintenance cycle - annual. No moving parts or filters to replace. Easy to install by most underground contractors. Can act as a bend structure and as a junction structure.

Specifications, (listing those applicable is required) **& Certificate of Compliance** (required to certify compliance with listed specifications):

- ☐ CDOT :
- ☒ ASTM : C 478, C 443
- ☒ AASHTO : M 199, M 315
- ☐ FHWA :
- ☐ other :

Product testing, (from national/independent laboratories or universities) **& Certified Test Report** (CTR required to validate all claims):

- ☐ NTPEP-AASHTO :
- ☐ FHWA :
- ☒ other : Univ. of Fla.(12-2008), NJCAT (TARP) (9-2004), Wash. DOE (9-2007)
- ☒ other : TARP (Technology Acceptance and Reciprocity Partnership) Tier 1 approval in February 2005.

State DOT Approvals, (current documentation required):
CT, UT

Sample submitted: ☐ yes ☒ no ☐ n/a | Materials Safety Data Sheets (MSDS): ☐ yes ☐ no ☒ n/a

Notes/Additional Comments
12 Models: STC 450i (smallest), STC 900, STC 1200, STC 1800, STC 2400, STC 3600, STC 4800, STC 6000, STC 7200, 11000, STC 13000, STC 16000. Sized using PCSWMM for Stormceptor, the most advanced continuous simulation modeling software of its kind provides for economical designs to meet site specific requirements - not a one size fits all approach. PCSWMM for Stormceptor was developed based on the U.S. EPA SWMM Version 4.3 program to model the hydrology of the site being designed. Local rainfall data is used within the program to further customize the design to your site.