COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

Reference No. 2462-03

Materials Laboratory
Colorado Department of Transportation
4670 North Holly Street, Unit A
Denver, Colorado 80216

PART 1: Completed by Product Representative
PART 2: Completed by CDOT Product Evaluation Coordinator
PART 3: Completed by CDOT Expert Product Evaluator
PART 4: Completed by CDOT Materials Engineer

PART 1

Product name: Nyloplast - ADS Storm Drainage Structures

Product category: M & S Standards\Hydraulic Unit Product\Misc., Restricted Use

Product representative (name & address):
Nyloplast - ADS {Derek Von Cannon}
7141 West 8170 South
West Jordan, UT 84088
Phone: (801) 419-1720 FAX: (206) 888-8479

Manufacturer (name & address):
Nyloplast - ADS
3130 Verona Avenue
Buford, GA 30518
Phone: (770) 932-2443 FAX: (770) 932-2490

Description of the product, (be precise, include product differentiation between your products &/or competitor's products):
The Nyloplast structures include a corrosion free PVC body, and impact, corrosion, and wear resistant ductile iron grate, and gasket connection to prevent leaks or infiltration. The Nyloplast water tight connections are tested to 10.8 psi and meets ASTM D 3212. Nyloplast storm drainage structures provide longer service life over traditional structures. A longer service life is achieved by the Nyloplast structure eliminating subsidence and sink holes around the joints. Therefore, the structures remain whole and performance is not altered due to failed joints. Nyloplast structure sizes are 8" - 30" with outlet pipe sizes of 4" - size on size. Nyloplast structures provide higher quality drainage systems at a lower installed cost as well as providing longer service life and reduced maintenance costs. Nyloplast structures provide compliance to current EPA regulations regarding storm drainage structures.

Use of the product, (be specific to CDOT highway activities only):
Inlet, Type C (M-604-10), Inlet, Type D (M-604-11), Curb Inlet Type R (M-604-12), Bridge Deck Drains

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
Nyloplast structures are not affected by road salts or other corrosive materials. Lower maintenance costs, quicker cleaning, debris does not adhere to the structure. Instead of man access for cleaning, Nyloplast can easily be cleaned with a vactor truck with pressures up to 3,000 psi. Lower installation cost, structures delivered to the project ready to install, no field fabrication/ grouting required. The (PVC) body is light weight and custom manufactured allowing for quick and safer installation, while saving time and money. Flexibility and ease of handling, grade changes made without losing water tight properties.

Specifications, (list specifically those applicable) **& Certificate of Compliance** (submittal required):

- ☐ CDOT :
- ☒ ASTM : F-477 (Gaskets), D 3034 (PVC), D 3212 (Connection Integrity), A 536 (Ductile Iron), D 1784, D 2321
- ☒ AASHTO : M 306-07 (Drainage Structure Castings), H-10, H-20, T 99 [compliant for applicable products only]
- ☐ FHWA :
- ☐ other :

Product testing, (national/independent laboratories) **& Certified Test Report** (submittal required):

- ☐ NTPEP-AASHTO:
- ☐ HITEC or FHWA :
- ☐ FHWA or other :
- ☒ other : Laboratory Testing Inc. (7-11-2006); Utah State University (11-22-2004)

State DOT Approvals, (current documentation required):
AL, AR, GA, IN, MD, NY, OH, TN, TX, UT, VA, WA

Evaluation Procedure, (recommended):
Installations currently exist in municipal Right-of-Way, and private applications, review those installations for approval.

Sample submitted: ☐ yes ☒ no ☐ n/a

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

Notes/Additional Comments
Products have been approved by several DOTs and cities in the Western part of the states.

Manufacturer's Web-site address: www.ads-pipe.com