

DANDY BAG®

INLET PROTECTION SYSTEM GUIDE SPECIFICATION

PRODUCT:

DANDY BAG®

MANUFACTURER:

Dandy Products Inc.
P.O. Box 1980
Westerville, Ohio 43086
Phone: 800-591-2284
Fax: 740-881-2791
E mail dlc@dandyproducts.com
Web www.dandyproducts.com

1.0 Description:

1.1 Work covered under this item consists of installing a Dandy Bag® inlet protection system. The purpose is to keep silt, sediment and construction debris out of the storm water system.

2.0 Material:

2.1 The Dandy Bag® inlet protection unit shall be a **sewn in the U.S.A.** geotextile fabric unit fitted to the individual grate(s) and completely enclosing the grate(s).

2.2 The Dandy Bag® shall have lifting devices to allow manual inspection of the storm water system.

2.3 The Dandy Bag® unit shall utilize an orange monofilament fabric manufactured in the U.S.A. with the following characteristics:

| PROPERTY | TEST METHOD | UNITS | TEST RESULTS |
|-------------------------|----------------|-------------------------|---------------------|
| Grab Tensile Strength | ASTM D 4632 | lbs | 450 X 300 |
| Elongation | ASTM D 4632 | % | 40% X 25% |
| Puncture Strength | ASTM D 4833 | lbs | 130 |
| Mullen Burst Strength | ASTM D 3786 | psi | 600 |
| Trapezoid Tear Strength | ASTM D 4533 | lbs | 165 x 150 |
| % Open Area (POA) | COE - 22125-86 | % | 28 |
| Apparent Opening Size | ASTM D 4751 | US Std Sieve | 30 |
| Permittivity | ASTM D 4491 | sec ¹ | 3.5 |
| Permeability | ASTM 4491 | cm/sec | 0.25 |
| Water Flow Rate | ASTM 4491 | gal/min/ft ² | 250 |
| Ultraviolet Resistance | ASTM D 4355 | % | 70 |
| Color | | | Orange ¹ |

¹The color orange is a trademark of Dandy Products, Inc.

The property values listed above are effective October 2010 and are subject to change without notice.

3.0 Installation:

- 3.1 Place the empty Dandy Bag® over the grate as the grate stands on end.
- 3.2 *For oil and sediment model; to install or replace absorbent, place absorbent pillow in pouch, on the bottom (below-grade side) of the unit.*
- 3.3 Tuck the enclosure flap inside to completely enclose the grate.
- 3.4 Holding the lifting devices, insert the grate into the inlet being careful not to damage the Dandy Bag® unit.

4.0 Maintenance:

- 4.1 The contractor shall remove all accumulated sediment and debris from surface and vicinity of unit after each rain event or as directed by engineer/inspector. Dispose of unit no longer in use at an appropriate recycling or solid waste facility.
- 4.2 *For oil and sediment model; remove and replace absorbent when near saturation.*

5.0 Method of Measurement:

- 5.1 The quantity to be paid is for the actual number of Dandy Bag® inlet protection units installed

6.0 Basis of Payment:

- 6.1 The unit price shall include labor, equipment, and materials necessary to complete the work and maintain the Dandy Bag® inlet protection units.
- 6.2 Payment for the completed work will be made at the contract prices for:

| <u>ITEM</u> | <u>UNIT</u> | <u>DESCRIPTION</u> |
|-------------|-------------|--|
| Dandy Bag® | EA | Inlet Protection Unit (# _____ Inlet) |