

DANDY SACK®

INLET PROTECTION SYSTEM GUIDE SPECIFICATION

PRODUCT:

DANDY SACK®

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

DISTRIBUTOR:

ASP Enterprises
1099 Cassens Industrial Ct.
Fenton, MO 63026
Phone: 636-343-4357
www.aspent.com

1.0 Description:

1.1 Work covered under this item consists of installing a Dandy Sack® 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 Sack® inlet protection unit shall be a **sewn in the U.S.A.** geotextile fabric unit.

2.2 The Dandy Sack® shall have lifting straps to allow removal of the unit and manual inspection of the storm water system.

2.3 The Dandy Sack® unit shall utilize an orange monofilament fabric that is 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 |
| Grab Tensile 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 Remove the grate from the catch basin.

3.2 *For Oil and Sediment Model; to install or replace absorbent, place absorbent pillow in unit, on the bottom (below-grade side) of the unit.*

3.3 Stand the grate on end. Move the top lifting straps out of the way and place the grate into the Dandy Sack® unit so that the grate is below the top straps and above the lower straps. The grate should be cradled between the upper and lower straps.

3.4 Holding the lifting devices, insert the grate into the inlet, being careful that the grate remains in place and being careful not to damage the Dandy Sack® unit.

4.0 Maintenance:

4.1 Remove all accumulated sediment and debris from vicinity of unit after each storm event.

4.2 After each storm event and at regular intervals, look into the Dandy Sack® unit. If the unit is more than 1/3 full of accumulated sediment, the unit must be emptied.

4.3 To empty the unit, using the lifting straps lift the unit out of the inlet and remove the grate. Transport the unit to an appropriate location for removal of the contents. Holding the dumping straps on the outside at the bottom of the unit, turn the unit upside down, emptying the contents. Reinstall unit as above.

4.4 *For Oil and Sediment Model; remove and replace absorbent when near saturation.*

4.5 Dispose of unit and/or absorbent in accord with applicable Federal, state and local environmental laws and regulations.

5.0 Method of Measurement:

5.1 The quantity to be paid is for the actual number of Dandy Sack® 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 Sack® 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 Sack® | EA | Inlet Protection |