

DANDY POP™ (POP-UP DANDY BAG®) INLET PROTECTION SYSTEM GUIDE SPECIFICATION

PRODUCT: DANDY POP™

MANUFACTURER:

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1.0 Description:

1.1 Work covered under this item consists of installing a Dandy Pop™ 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 Pop™ inlet protection unit shall be a **sewn in the U.S.A.** geotextile fabric dome unit with a fully-covered support frame. The unit shall enclose the grate.

2.2 The Dandy Pop™ shall unfold for installation to a height of approximately 24” (twenty-four inches).

2.3 The Dandy Pop™ shall have lifting devises sewn to the bottom of the unit to assist in installation and to allow manual inspection of the storm water system.

2.4 The Dandy Pop™ shall utilize an orange monofilament fabric that is manufactured in the U.S.A. with the following characteristics:

PROPERTY	TEST METHOD	UNITS	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.62 (365) x 0.89 (200)
Grab Tensile Elongation	ASTM D 4632	%	24 x 10
Puncture Strength	ASTM D 4833	kN (lbs)	0.44 (100)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	3097 (450)
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.51 (115) x 0.33 (75)
% Open Area	COE - 22125-86	%	10
Apparent Opening Size	ASTM D 4751	mm (US Std Sieve)	0.425 (40)
Permittivity	ASTM D 4491	sec ¹	2.14
Permeability	ASTM 4491	cm/sec	0.142
Water Flow Rate	ASTM 4491	l/min/m ² (gal/min/ft ²)	5607 (145)

Ultraviolet Resistance	ASTM D 4355	%	70
Color			Orange ¹

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

3.0 Installation:

- 3.1 Pop open the Dandy Pop™ near the inlet.
- 3.2 Stand the grate on end and slide the Dandy Pop™ over the grate.
- 3.3 For oil and sediment model; to install or replace absorbent, place absorbent pillow in pouch, on the bottom (below-grade side) of the unit. As desired, or required, attach absorbent pillow to provided tether loop.
- 3.4 Turn the grate 180° on end (turn twice) so that the opening is facing up.
- 3.5 Pull up slack and seal velcro® to enclose the grate.
- 3.6 Lay the grate flat, and holding the lifting devices, insert the grate into the inlet making sure that the grate seats completely in the frame.

4.0 Maintenance:

- 4.1 The contractor shall remove all accumulated sediment and debris from panels and 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 Pop™ 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 Pop™ 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 Pop™	EA	Inlet Protection Units (# _____ INLET)