

Description

A small basin formed around a storm drain inlet to temporarily pond runoff water allowing suspended soil particles to settle out; thereby minimizing sediment entering storm drains during construction. Inlet protection is used with the following practices:

- Excavated Drop Inlet Protection

Installation

- Ensure that each inlet protection practice has no more than 1 acre of drainage area and the approaches to the inlet are 1% or flatter.
- Install the inlet protection according to the plans.
- Shape or construct the storage area as necessary to obtain the volume of storage required in the plans.
- Ensure that excess runoff water will go over the inlet protection practice and into the storm drain and does not bypass.

Maintenance

- Inspect each inlet protection practice after rainfall events and make repairs as needed.

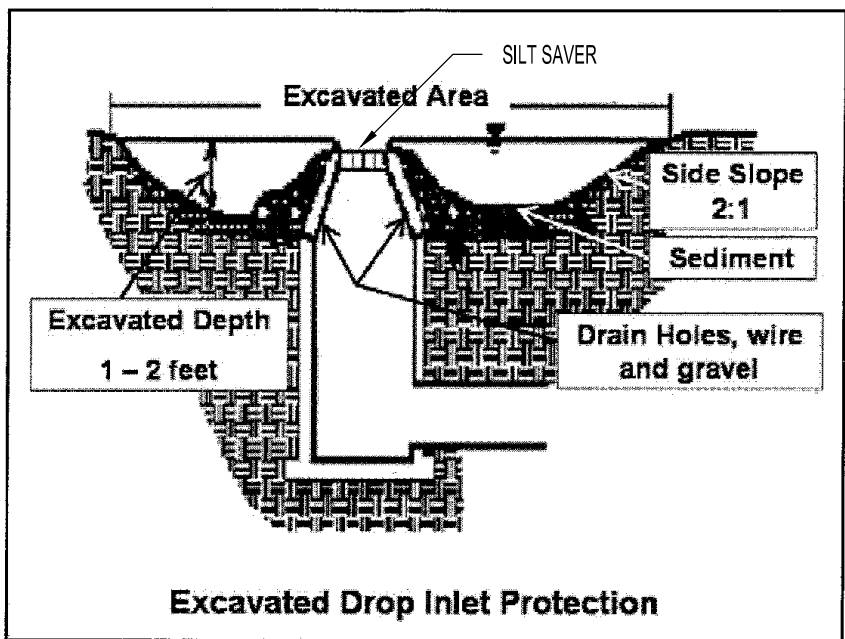
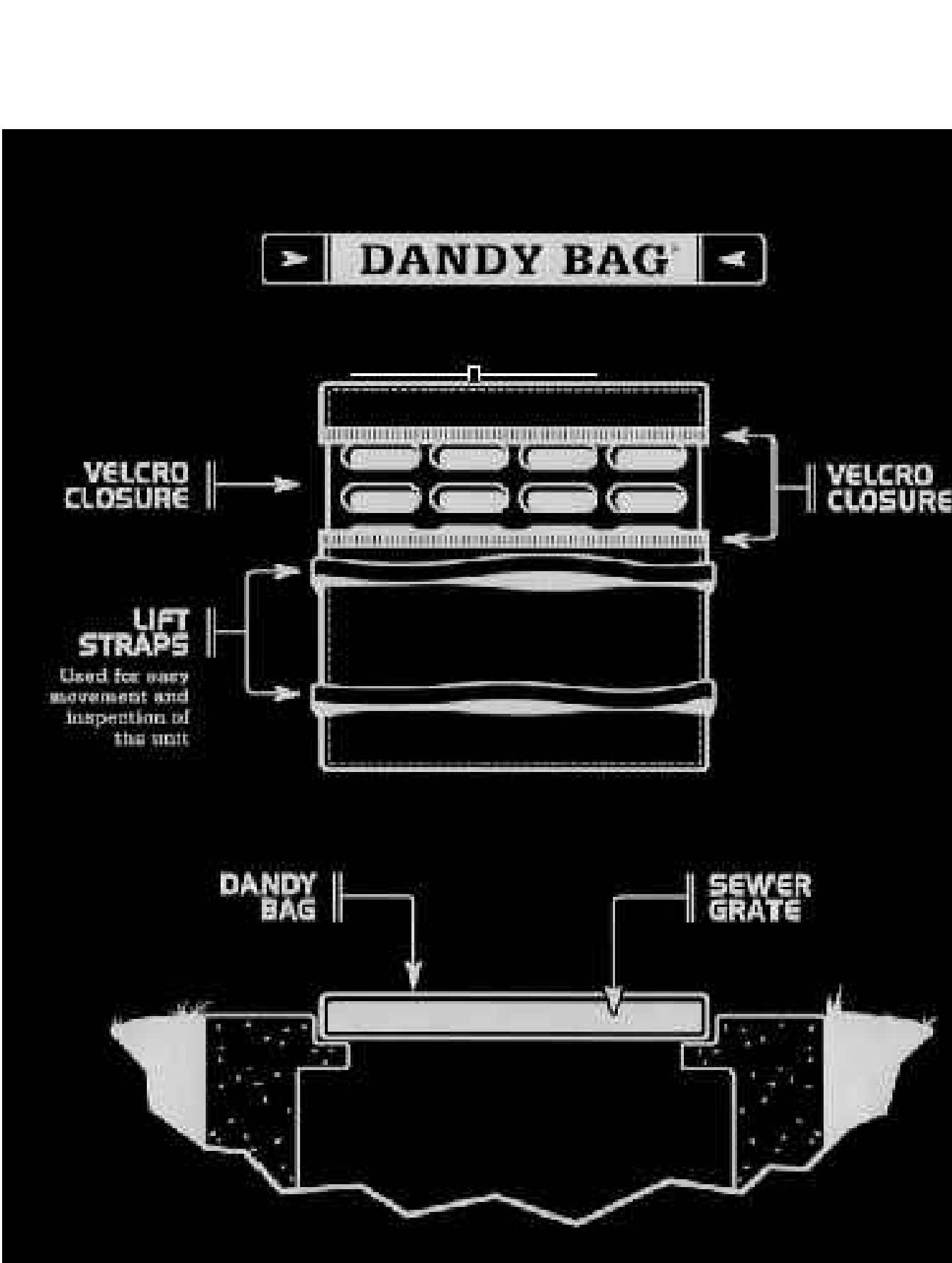


Figure EIP-1 Section of Excavated Drop Inlet Protection



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: dandy@danbyproducts.com
Web: www.danbyproducts.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
Tensile 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
Permeability	ASTM D 4491	cc/sec	3.5
Permeability	ASTM 4491	cm/sec	0.25
Water Flow Rate	ASTM 4491	gal/min/ft²	250
Ultraviolet Resistance Color	ASTM D 4355	%	70 Orange²

²The 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.

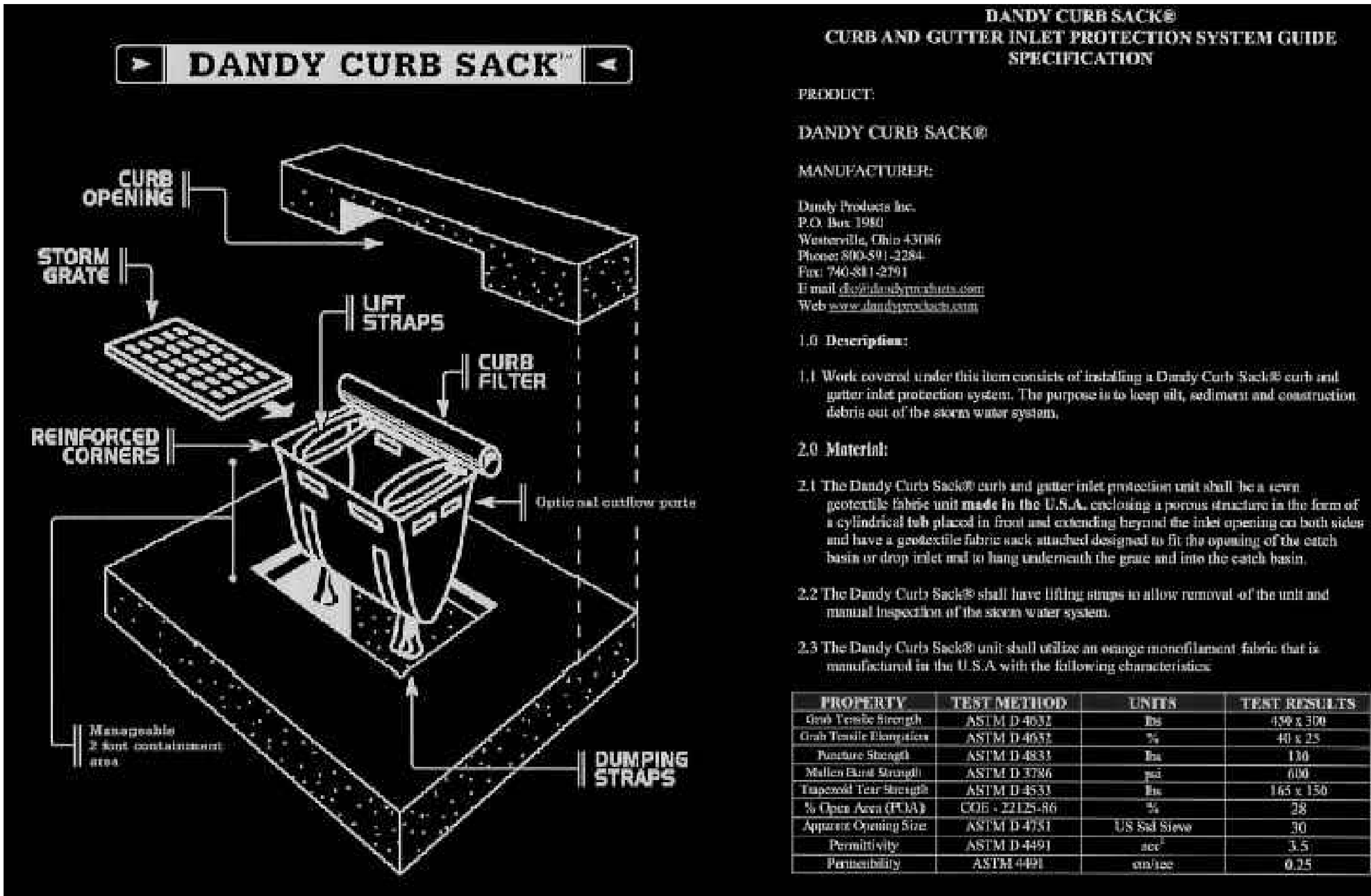
5.0 Method of Measurement:

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.

DANDY BAG



Water Flow Rate	ASTM 4491	gal/min/ft²	250
Ultraviolet Resistance Color	ASTM D 4355	%	70 Orange²

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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 Curb 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, then lower back edge with cylindrical tube into place, being careful that the grate remains in place and being careful not to damage the Dandy Curb Sack® unit. The cylindrical tube should partially block the curb front opening when installed properly.

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 Curb 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 damping 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 Curb Sack® inlet protection units installed

DANDY CURB SACK

PHASE I: EXISTING INLET PROTECTED WITH SILT SAVER
PHASE II: ALL EXISTING & PROPOSED INLETS SHALL BE PROTECTED WITH SILT SAVER AND HAVE EXCAVATED AREA PER FIGURE EIP-1.
PHASE III: ALL CURB INLETS SHALL BE PROTECTED BY DANDY CURB SACK AND ALL GRATE INLETS SHALL BE PROTECTED BY DANDY BAG.



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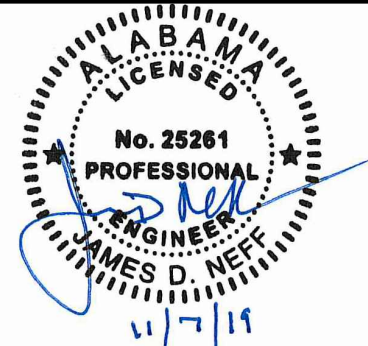
REVISIONS:

ISSUE DATE:

PLAN CHECK	07/26/19
PERMIT	09/09/19
ADEM	11/04/19
BID	11/07/19
CONSTRUCTION	XX-XX-XX

DRAWN BY:

PANDA PROJECT #: D7163
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DETAILS II

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