

SHOP DRAWING REVIEW FORM AND TRANSMITTAL

DATE: October 7, 2021

TO: Carl Hendrickson
Project Manager
Veolia Water
825 West Water Street
Taunton, MA 02780

FROM: Michael Andrus, P.E.
Project Manager
BETA Group, Inc.
701 George Washington Hwy
Lincoln, Rhode Island 02865

RE: City of Taunton, MA
WWTF Solids Handling Improvements
Contract S-2020-3

Shop Drawing No. 01170-001 REV A – Erosion and Sedimentation Control Materials

BETA COMMENTS:

<u>Item</u>	<u>Action Code</u>	<u>Description/Comments</u>
1	1	Erosion and Sedimentation Control Materials 1. Acceptable as submitted

Action Codes

- 1 - No Exception Taken
- 2 - Make Corrections Noted
- 3 - Amend and Resubmit
- 4 - Rejected, See Remarks
- 5 - Record File Only

- a. Installation shall proceed only when Action Code is '1' or '2'.
- b. Submittals action coded '3' shall be resubmitted within time limit set in Contract.
- c. Review does not relieve Contractor from responsibility of compliance with the Contract Documents.



Hart Engineering Corporation

SUBMITTAL:
01170-001

PROJECT: 9722. - Veolia/Taunton WWTP Solids Handling Improvements

DATE: 09/27/2021

SUBMITTAL: 01170-001 - Erosion and Sedimentation Control Materials

REVISION: A

STATUS: Eng

SPEC #: 01170

TO:
Carl Hendrickson
Veolia North America
125 S. 84th Street, Suite 175
Milwaukee, WI 53214
carl.hendrickson@veolia.com

FROM:
Ryan Murphy
Hart Engineering Corporation
800 Scenic View Drive
Cumberland, RI 02864
rmurphy@hartcompanies.com

Item	Revision	Description	Status	Date Sent	Date Returned
01170-001	A	Erosion and Sedimentation Control Materials	Eng	09/27/2021	

Notes:

Additional Notes:

Status Codes

- 1-APP – No Exceptions Taken
- 2-ANR – Make Corrections Noted
- 3-R&R – Revise and Resubmit
- 4-REJ – Rejected
- 5-IPO – For Information Purposes Only
- 6-NRR – Not Required for Review
- ENG – Submitted to Engineer

Sincerely,
Hart Engineering Corporation

SHOP DRAWING REVIEW	
<input checked="" type="checkbox"/>	1 – Approved
<input type="checkbox"/>	2 – Approved as Noted
<input type="checkbox"/>	3 – Revise and Resubmit
<input type="checkbox"/>	4 – Rejected
<input type="checkbox"/>	5 – Record File Only – No Action Taken
(Above Check Designates Action Code – See Review Comments)	
IMPORTANT NOTE FOR CONTRACTOR	
Review is only for general compliance with the design concept and information provided in Contract Documents. Corrections and comments made on the Shop Drawings during review do not relieve the Contractor from compliance with the requirements of the plans and specifications. Review and/or approval of a specific item shall not include review or approval of an assembly of which the item is a component. No approval or correction of a Shop Drawing shall be construed as an order for extra work. The Contractor is responsible for: all quantities and dimensions to be confirmed and correlated; information that pertains solely to the fabrication processes or to the means, methods, techniques, sequences and procedures of construction; coordination of the Work with that of all trades and subcontractors; and performing all Work in a safe and satisfactory manner.	
BETA GROUP, INC.	Checked By: <u>BM</u>
By: <u>Mike Andrus</u>	Date: <u>10-7-2021</u>

DATE: 09/27/2021

N040

Polypropylene NonWoven Fabric

N040 is a polypropylene, needle punched nonwoven geotextile for use in drainage and separation applications. It has been stabilized to resist degradation due to ultraviolet exposure and is resistant to commonly encountered mildew, insects and soil chemicals, and is non-biodegradable.

Property	Test Method	Min Avg. Roll Values
Grab Tensile Strength ¹	ASTM D4632	100 Lbs
Grab Tensile Elongation	ASTM D4632	50%
CBR Puncture	ASTM D6241	280 Lbs
Trapezoid Tear Strength	ASTM D4533	50 Lbs
Apparent Opening Size (AOS)	ASTM D4751	70 US Sieve
Permittivity (sec ⁻¹)	ASTM D4491	2.0 sec ⁻¹
Flow Rate	ASTM D4491	140 gpm/ft ²
UV Resistance after 500 hrs.	ASTM D4355	70%

Values quoted above are the result of multiple tests conducted at an independent testing facility. N040 meets or exceeds values listed.

¹Values apply to both machine and cross-machine directions

Packaging		
Roll Width	12.5 ft	15 ft
Roll Length	360 ft	360 ft
Roll Area	500 sy	600 yd ²





EASTCOAST
erosion blankets

MATERIAL SPECIFICATION

9Wattle **9” Straw Wattle**

The 9” straw wattle shall be made with compacted agricultural straw compressed inside tubular polypropylene netting. Both ends shall be tied shut. The sediment control product shall have a nine inch diameter ($\pm 10\%$). The wattle shall be in standard length of 20’-0” ($\pm 10\%$), with other lengths available upon request. It shall weigh approximately 68 pounds ($\pm 10\%$).

Wattles shall be packaged 5 per pallet. Each pallet shall be wrapped snugly in shrink film. The wattle shall be installed with wooden or metal stakes placed 4’-0” on center. They shall be tightly adjoined.

MATERIALS:

Fiber: 100% Straw Fiber
3.4 lbs/sq yd

Netting: Tubular Black polypropylene
Photodegradable

Closures: Metal Tie

