



April 28, 2014

PRINCIPALS

Nantucket Conservation Commission
2 Bathing Beach Road
Nantucket, MA 02554

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Douglas J Kelleher

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1943-2010

**Subject: Updated Returns Plans
Baxter Road Temporary Stabilization Project (SE 048-2610)**

Dear Chairman Steinauer:

Please find attached plan and isometric views of the returns in a design that should be responsive to the Commission's requests. Although the Notice of Intent is for four-tiers of geotubes with full returns, as previously submitted, the enclosed plans provide the design information for the Commission to issue an Order for 3-tiers of geotubes, as-built, with geotextile, jute or coir returns, to-be-built. Please note that the isometric plan for the three-tier return also reduces the beach excavation that is applied for in the 4-tier version (+3 to +4 MLW instead of +0 MLW). Neither version would involve any bank excavation. Please also note that the plan view also updates the base map using the current shoreline and bank contours from the survey data gathered for the recently submitted updated as-built of the existing three-tier system.

We look forward to discussing this further with the Commission at the April 30 public hearing. Please contact me at (703) 489-8945 or via email at mhartnett@epsilonassociates.com for any questions regarding this submission.

ASSOCIATES

Maureen A Cavanaugh

David E Hewitt, LEED AP

Stephen H. Slocomb, PE

Sincerely,

EPSILON ASSOCIATES, INC.

Maria B. Hartnett
Senior Consultant

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Maynard, MA 01754

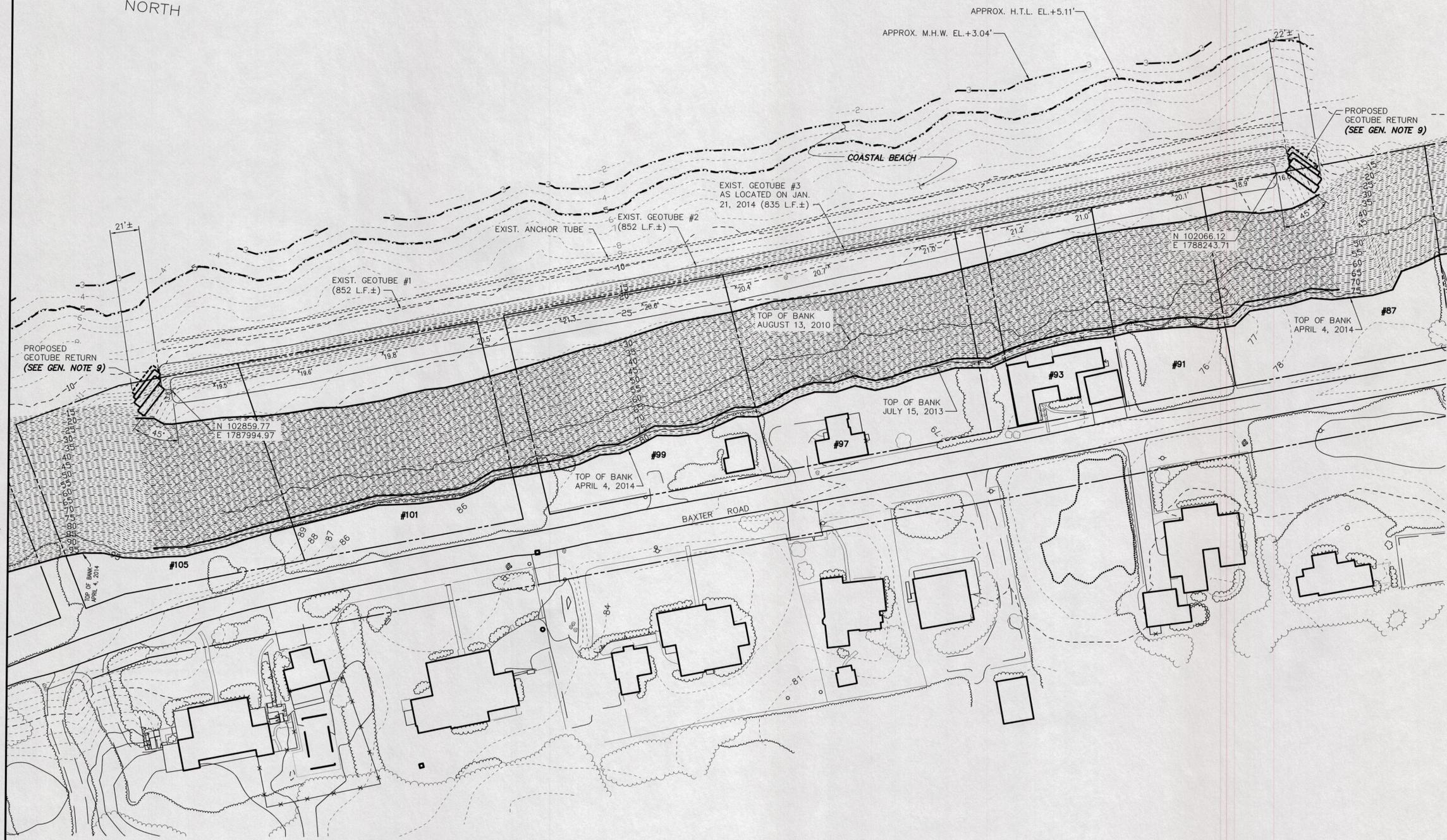
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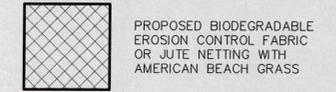
FAX 978-897-00999

Encl.

ATLANTIC OCEAN



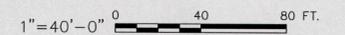
LEGEND



GENERAL NOTES

1. BASE MAPPING INFORMATION SHOWN HEREON IS FROM AN AERIAL SURVEY PERFORMED BY COL-EAST, INC. ON JULY 15, 2013 WITH GROUND CONTROLS SUPPLIED BY BLACKWELL & ASSOCIATES, INC. FOR S.B.P.F. AND OCEAN AND COASTAL CONSULTANTS, INC.
2. LOCATION OF GEOTUBE #3 SHOWN HEREON IS FROM A FIELD SURVEY PERFORMED BY BLACKWELL & ASSOCIATES, INC. ON JANUARY 21, 2014 AND REFLECTS THE ACTUAL FIELD LOCATION OF GEOTUBE #3 AS FOUND ON THAT DATE.
3. LOCATION OF PORTION OF GEOTUBE #2 FROM GPS SURVEY BY WHG ON APRIL 4, 2014. SHOTS WERE OBTAINED ON EXPOSED FACE OF TUBE AND ARE REFLECTED ON THIS PLAN.
4. LOCATION OF GEOTUBE #1, AND THE ANCHOR TUBE ARE SHOWN HEREON FROM INFORMATION SHOWN ON CONSTRUCTION TEMPLATE AND REFLECT OVERLAP OF TUBES 2 & 3 AS FOUND IN FIELD.
5. VERTICAL DATUM SHOWN HEREON IS IN NAVD'88 AND REFERENCED TO MEAN LOW WATER. TOP OF GEOTUBE #3 ELEVATIONS SHOWN ARE FROM FIELD SURVEY BY BLACKWELL & ASSOCIATES, INC. AS STATED IN NOTE 2.
6. REFERENCE IS MADE TO EMERGENCY CERTIFICATION FORMS ISSUED BY THE NANTUCKET CONSERVATION COMMISSION ON 12/4/2013 AND BY MassDEP-Southeast Regional Office on 12/10/2013.
7. PRIOR TO CONSTRUCTION OF THE EMERGENCY SYSTEM, WOODS HOLE GROUP AND BLACKWELL & ASSOCIATES, INC. ESTABLISHED ON-SITE BENCHMARKS FOR CONSTRUCTION CONTROL AT LOCATIONS NORTH AND SOUTH OF THE PROJECT SITE.
8. AN UPDATE SURVEY WAS PERFORMED BY WOODS HOLE GROUP ON APRIL 4, 2014 IN THE VICINITY OF THE GEOTUBE LOCATIONS AND REVISED CONTOURS & TOP OF BANK ARE SHOWN HEREON. NO SURVEY OF THE ACTUAL COASTAL BANK SURFACE WAS PERFORMED AT THIS TIME.
9. PROPOSED 15 FOOT CIRCUMFERENCE GEOTUBE RETURNS SHALL BE FITTED IN THE FIELD TO FORM CLOSURE BETWEEN TUBES AND EXISTING BLUFF WHILE AVOIDING CUTTING INTO THE EXISTING BLUFF. APPROXIMATE BOTTOM ELEVATION OF RETURN TUBES IS +3 FEET TO +4 FEET MEAN LOW WATER. TUBES WILL BE CONSTRUCTED OF GEO-TEXTILE, COIR OR JUTE MATERIAL.

GRAPHIC SCALES
CHECK GRAPHIC SCALES BEFORE USING



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P:\2010\000_2100191\13_Project_Files\CAD\Task 3\Task 3A - Geotube\01.dwg Dwg 01 Corrie L. Walter Mon, 28 Apr 2014 - 2:16pm

REVISIONS	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY
1	UPDATED AS-BUILT BASE PLAN REMOVED PROPOSED 4TH TUBE	4/24/14	AZSL			
2	REVISED GENERAL NOTES AND EXTENTS OF PROPOSED AMERICAN BEACH GRASS	4/28/14	AZSL			

Ocean and Coastal Consultants  **COWI**

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SCONSET BEACH PRESERVATION FUND
18 Sesapana Road, Nantucket, MA 02554



DESIGNED BY:	ADKA
DRAWN BY:	CAMA
CHECKED BY:	AZSL
QC REVIEW:	JOMA

SCONSET BLUFF EROSION CONTROL PROJECT		SCALE	REVISION
NOTICE OF INTENT		1"=40'-0"	2
PLAN VIEW OF TEMPORARY SLOPE STABILIZATION		DATE	
		3/12/13	
		DRAWING NO.	
		210019.1-3A-01	

NOTES:

1. GEOTUBE RETURNS SHALL BE FITTED IN THE FIELD TO FORM CLOSURE BETWEEN EXISTING TUBES AND BLUFF WHILE AVOIDING CUTTING INTO THE BLUFF.
2. EXISTING GRADE AND BLUFF NOT SHOWN FOR CLARITY.

PROPOSED SAND-FILLED 15' CIRCUMFERENCE GEO-TEXTILE, COIR, OR JUTE TUBE (TYP)

45°

SAND-FILLED 45' CIRCUMFERENCE GEO-TEXTILE TUBE (TYP)

ANCHOR TUBE

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BAXTER ROAD
TEMPORARY SLOPE STABILIZATION

TYPICAL GEOTUBE END RETURNS

SCALE N.T.S.	REVISION 1
DATE 03/13/14	

SKETCH NO.

SK-02

DESIGNED BY: DRAWN BY: CHECKED BY:

