PUBLIC NOTICE

REQUEST FOR PERMISSION TO ALTER A U.S. ARMY CORPS OF ENGINEERS PROJECT UNDER SECTION 408

TITLE: Ocean City – Proposed Construction of Upland Dune System Utilizing Geotubes sited within the U.S. Army Corps of Engineers' New Jersey Shore Protection, Great Egg Harbor and Peck Beach, Ocean City Coastal Storm Risk Management Federal Civil Works Project, Cape May County, New Jersey.

PUBLIC NOTICE IDENTIFICATION NUMBER: NAP-2021-408-0001

PUBLIC NOTICE COMMENT PERIOD:

Begins: 08 January 2021

Expires: **08 February 2021**

Interested parties are hereby notified that an application has been received for a Department of the Army Section 408 permission for certain work at or near a federal project of the United States, as described below and shown on attached figures. Written comments are being solicited from anyone having an interest in the requested alteration. Comments will become part of the U.S. Army Corps of Engineers' (USACE's) administrative record and will be considered in determining whether to approve the request. Comments supporting, opposing, or identifying concerns that should be considered by the USACE in its decision process are all welcome.

This public notice is not a paid advertisement and is for public information only. Issuance of this notice does not imply USACE endorsement of the project as described.

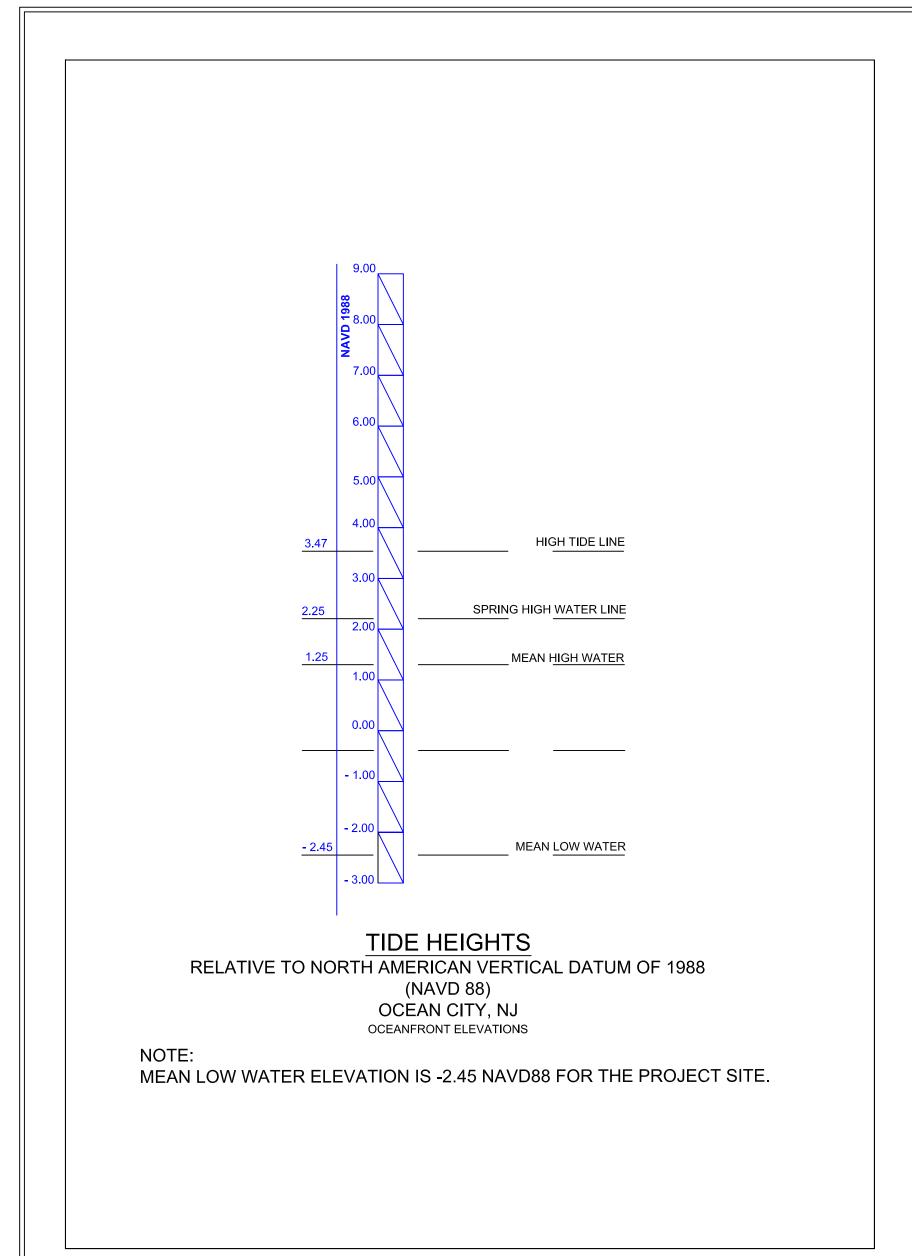
- **1. REQUESTER:** In compliance with 33 USC 408 (Section 14 of the Rivers and Harbors Act of 1899; hereinafter Section 408), the City of Ocean City, New Jersey has requested permission to construct an upland dune system within the U.S. Army Corps of Engineers' New Jersey Shore Protection, Great Egg Harbor and Peck Beach, Ocean City Coastal Storm Risk Management Federal Civil Works Project in Cape May County, New Jersey.
- **2. LOCATION:** The proposed project is located on the Ocean City, New Jersey beachfront, landward of the spring high tide line (uplands), between 4th and 6th Streets; approximate center coordinates: Latitude: 39.277523°N, Longitude: -74.563633°W.
- 3. LOCATION MAP(S)/DRAWING(S): See attached Drawings: Sheets 1 through 5.
- **4. REQUESTER'S PROPOSED ACTION:** Construction of an upland dune system comprised of stacked sand-filled geotubes in pyramid configuration, as per the enclosed drawings.

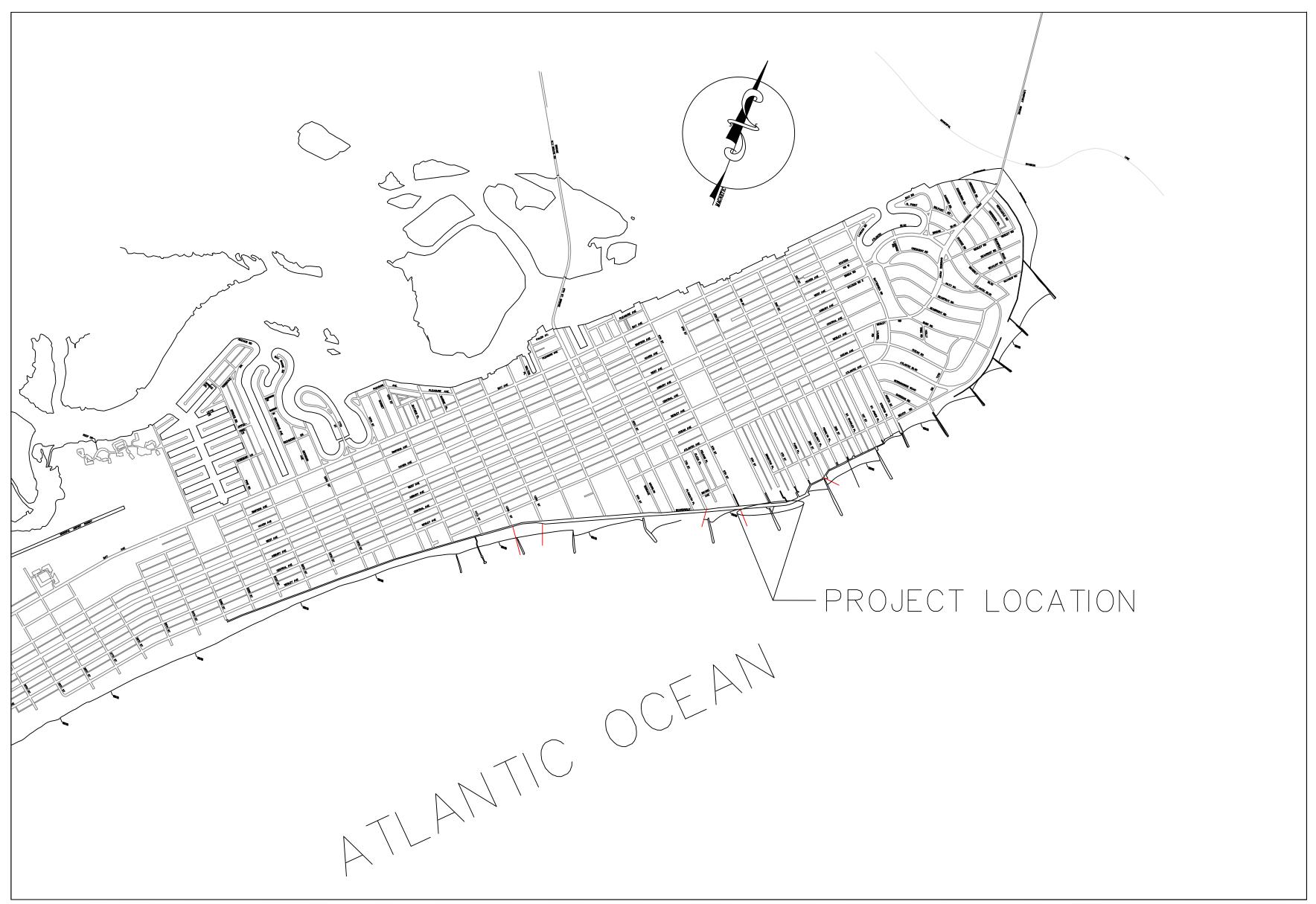
- **5. REGULATORY AUTHORITY:** This request will be reviewed according to the provisions of Section 14 of the Rivers and Harbors Act of 1899 (33 U.S.C. 408). A requestor has the responsibility to acquire all other permissions or authorizations required by federal, state, and local laws or regulations, including any required permits from the USACE Regulatory Program under Section 10 of the Rivers and Harbors Act of 1899 (33 USC 403), Section 404 of the Clean Water Act (33 USC Section 1344) and/or Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 USC 1413). Any Section 10/404/103 permit decision associated with the proposed alteration is separate from and will not be included in the Section 408 permission decision. An approval under Section 408 does not grant any property rights or exclusive privileges nor does it authorize any injury to the property or rights of others.
- **6. ENVIRONMENTAL COMPLIANCE:** A decision on a Section 408 request is a federal action, and therefore subject to the National Environmental Policy Act (NEPA) and other environmental compliance requirements. While ensuring compliance is the responsibility of USACE, the requester is providing all information that the Philadelphia District identifies as necessary to satisfy all applicable federal laws, executive orders, regulations, policies, and ordinances. Based on information provided by the applicant to date, current Corps regulations governing NEPA implementation, and/or the contents of existing NEPA documentation if available, it is likely that the proposed action will be determined to be categorically excluded from the need to prepare an Environmental Assessment (EA) or Environmental Impact Statement (EIS). This determination will be finalized following completion of agency coordination and prior to issuance of the Section 408 Permission Decision.
- **7. EVALUATION:** As part of its evaluation, USACE will first make a determination that the submittal from the requestor is complete. The Philadelphia District is working closely with the requestor to ensure that all required technical plans, maps, drawings, and specifications are provided and are complete. Once the package is complete, a District-led review will be conducted to determine, in accordance with Engineering Circular (EC) 1165-2-216, whether the proposed alteration will impair the usefulness of the USACE Project or be injurious to the public interest, as follows:
 - A. *Impair the Usefulness of the Project Determination*. The Philadelphia District's Section 408 review team will determine if the proposed alteration will limit the ability of the federally authorized project to function as authorized, or will compromise or change any authorized project conditions, purposes or outputs.
 - B. Injurious to the Public Interest Determination. Proposed alterations will be reviewed to determine the probable impacts, including cumulative impacts, on the public interest. Evaluation of the probable impacts that the proposed alteration to the USACE project may have on the public interest requires a careful weighing of all those factors that are relevant in each particular case. Factors that may be relevant to the public interest depend upon the type of USACE project being altered and may include, but are not limited to, such things as conservation, economic development, historic properties, cultural resources, environmental impacts, water supply, water quality, flood hazards, floodplains, residual risk, induced damages,

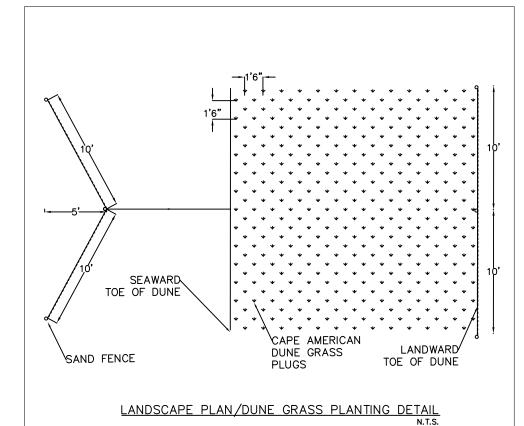
navigation, shore erosion or accretion, and recreation. The decision whether to approve an alteration will be determined by the consideration of whether benefits are commensurate with risks. If the potential detriments are found to outweigh the potential benefits, then it may be determined that the proposed alteration is injurious to the public interest.

- 8. **SOLICITATION OF COMMENTS:** The USACE is soliciting comments from the public; federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of the proposed activity. Any comments received will be considered by USACE to determine whether to issue, modify, condition, or deny a permission for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments are considered in making a final determination whether the proposed action will be categorically excluded from the need to prepare further NEPA documentation. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.
 - A. It should be noted that materials submitted as part of the Section 408 request become part of the public record and are thus available to the general public under the procedures of the Freedom of Information Act (FOIA). Individuals may submit a written request to the Philadelphia District Corps of Engineers, Office of Counsel to obtain copies of said materials under the FOIA.
 - B. It is presumed that all parties viewing this notice will wish to respond to this public notice; therefore, a lack of response will be interpreted as meaning that there is no objection to the project as described.
- 9. **COMMENT SUBMISSION AND ADDITIONAL INFORMATION**: Written comments on the described work should reference the USACE Public Notice Identification Number found on the first page of this notice. Comments must reach this office no later than the stated expiration date of the Public Notice to become part of the record and be considered in the decision. Comments or requests for additional information should be emailed or mailed to the following address:

Email: JuanCarlos.Corona@usace.army.mil
Mailing Address:
U.S. Army Corps of Engineers
Philadelphia District
ATTN: Juan Carlos Corona
7th Floor
100 Penn Square East
Philadelphia, PA 19107-3390







NOTE:
DUE TO THE DYMANMIC NATURE OF THE PROJECT AREA,
ALL POTENTIAL BIDDERS ARE HIGHLY RECOMMENDED
TO VISIT THE SITE TO FAMILARIZE ONESELF WITH THE
INHERENT RISKS AND POTENTIAL LIABILITIES OF THE
PROJECT.

THERE IS THE POTENTIAL OF THE BEACH PROFILE TO DRASTICALLY CHANGE DUE TO THE VARIOUS FORCES OF NATURE WHICH SHOULD BE CONSIDERED IN THE PRICE OF THE BID.

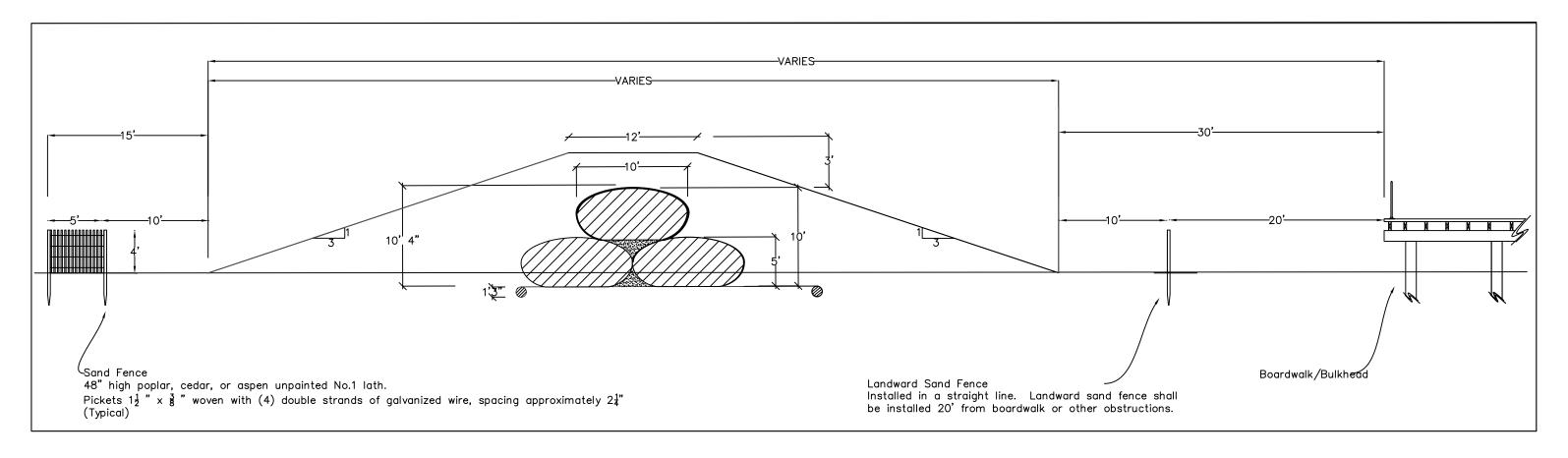
INDEX OF SHEETS

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- 2 SITE PLAN
- 3 GEOTUBE SIMULATOR CROSS SECTION
- 4 GEOSYNTHETIC CONTAINMENT UNIT
- 5 LANDSCAPING PLAN

<u>Mayor</u> Jay A. Gillian

City Council

Bobby Barr, Council President
Michael DeVlieger, Council Vice President
Karen Bergman
Keith Hartzell
Jody Levchuk
Peter V. Madden
Tony Rotondi



TYPICAL DUNE REPAIR WITH GEOSYNTHETIC CORE, ELEVATION VIEW

4TH TO 6TH STREET SHORELINE PROTECTION PROJECT OCEAN CITY, NEW JERSEY

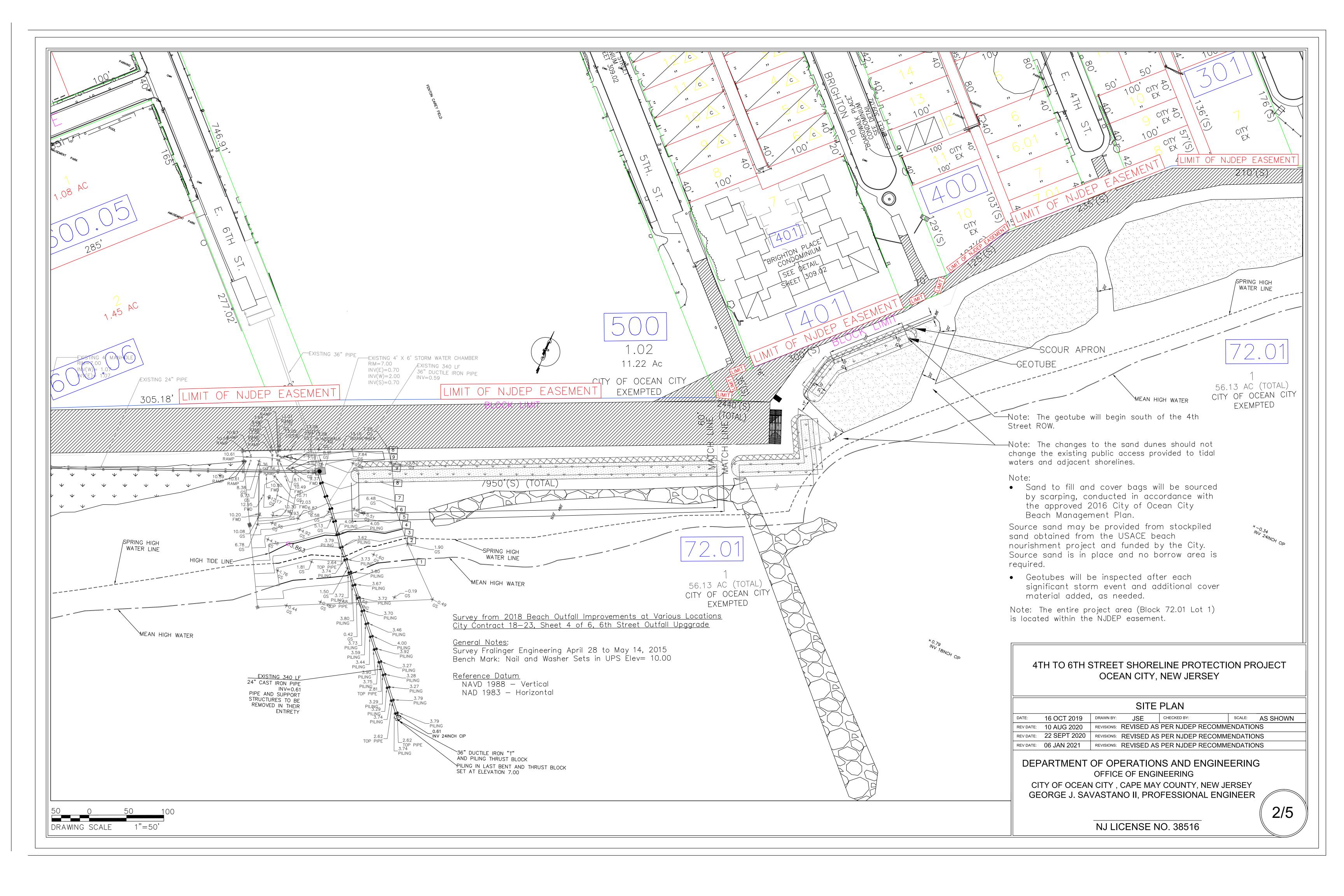
	COVER							
DA	ATE:	16 OCT 2019	DRAWN BY:	JSE	CHECKED BY:	SCALE:	N.T.S.	
RE	V DATE:	10 AUG 2020	2020 REVISIONS: REVISED AS PER NJDEP RECOMMENDATIONS					
RE	EV DATE:	22 SEPT 2020	REVISIONS:	SHEET NUME	BER REVISED TO REFL	ECT ADD	ITIONAL SHEET	
RE	V DATE:	06 JAN 2021	REVISIONS:	REVISED AS	PER NJDEP RECOMMI	ENDATION	NS .	
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DEPARTMENT OF OPERATIONS AND ENGINEERING
OFFICE OF ENGINEERING

CITY OF OCEAN CITY, CAPE MAY COUNTY, NEW JERSEY GEORGE J. SAVASTANO II, PROFESSIONAL ENGINEER

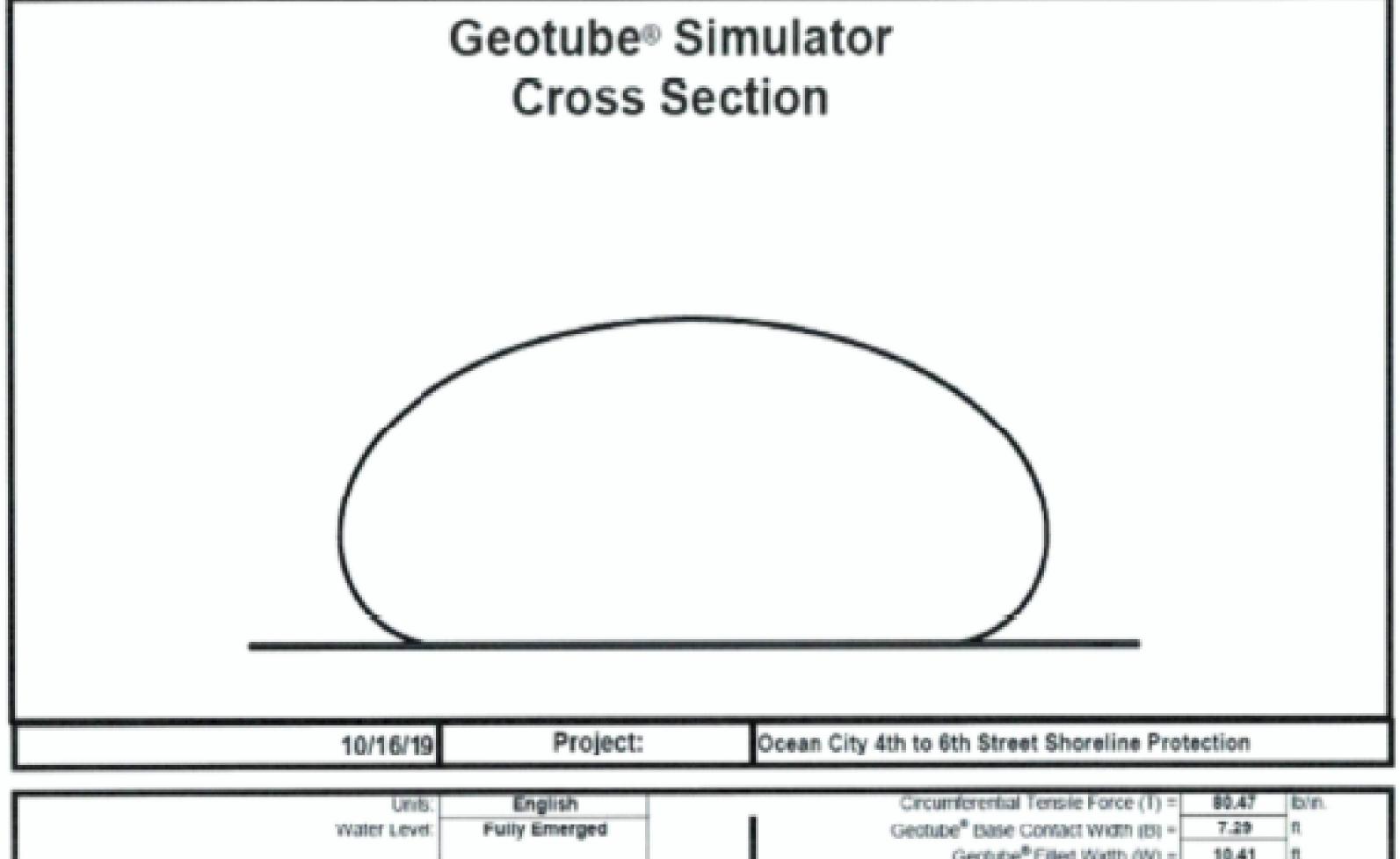
NJ LICENSE NO. 38516

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Geotube





Geotube® Filled Width (W) = 10.41 Geofube® Cross Section Area (A) = 43.76 sq fl Geotube® Height (H) Geotube⁶ Volume Per Unit of Length (V) = 1.62 CU yd/ft Geofube® Circumference (C) = 26 14.2 FS FS of Circumferential Failure = Relative Density of Fill Material: 1.8 Axial Direction FS (AFS) = 15.4 FS Geotube® Fabric Type: CT1000MOLAP FS of Fill Port Failure = 13.2 FS Rigid Mechanical Geotube[®] Fabric Type:

The equations used in the Geolube® Simulator are based on the paper "Two-dimensional analysis of geosynthetic tubes" by R. H. Plaut and S. Suherman, Acta Mechanica, Volume 129, 1998, pages 207-218, and on further research by Professor Raymond H. Plaut. The software was developed by Benjamin Z. Dymond. The work was performed at Virginia Tech.

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NOTE: GEOTUBES ARE DESIGNED IN ACCORDANCE WITH REQUIREMENTS AT N.J.A.C. 7:13-12.4:

- a. Resist impact from water and debris during the flood hazard area design flood;
- b. Resist uplift, flotation, collapse, and displacement due to hydrostatic and hydrodynamic forces resulting from flood hazard area design flood;
- c. Resist overturning and sliding pressure, as well as pressure from freeze/thaw cycle of the soil; and
- d. If the structure is located in or adjacent to a channel, resist undermining caused by channel erosion.

4TH TO 6TH STREET SHORELINE PROTECTION PROJECT OCEAN CITY, NEW JERSEY

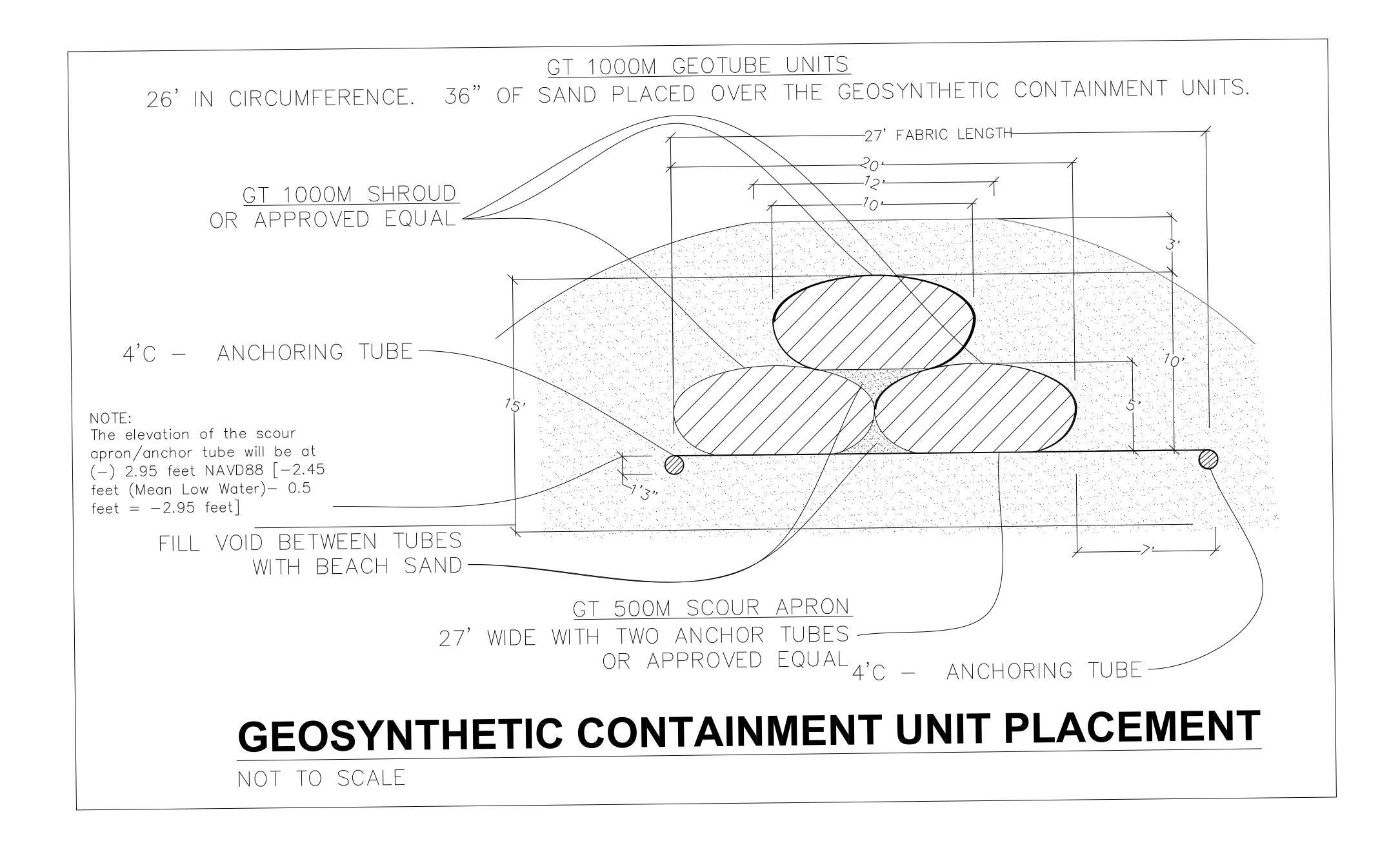
DATE: 16 OCT 2019 DRAWNING PROVIED BY: TenCate CHECKED BY: SCALE: NOT TO SCALE REV DATE: 10 AUG 2020 REVISIONS: REVISED AS PER NJDEP RECOMENDATIONS REV DATE: 22 SEPT 2020 REVISIONS: SHEET NUMBER REVISED TO REFLECT ADDITIONAL SHEET

DEPARTMENT OF OPERATIONS AND ENGINEERING OFFICE OF ENGINEERING

REV DATE:

CITY OF OCEAN CITY, CAPE MAY COUNTY, NEW JERSEY GEORGE J. SAVASTANO II, PROFESSIONAL ENGINEER

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NOTE:

- Prior to any beach nourishment activities, the City will ensure the containment tubes are covered with at least 3—feet of sand unless the dunes are fully vegetated with dune grass.
- As-built plans to be provide to NJDEP, Division of Coastal engineering after construction is completed.

4TH TO 6TH STREET SHORELINE PROTECTION PROJECT OCEAN CITY, NEW JERSEY

GEOSYNTHETIC CONTAINMENT UNIT PLACEMENT

DATE:	16 OCT 2019	DRAWN BY:	JSE	CHECKED BY:	SCALE:	AS SHOWN		
REV DATE:	10 AUG 2020	REVISIONS: REVISED AS PER NJDEP RECOMMENDATIONS						
REV DATE:	22 SEPT 2020	REVISIONS:	s: SHEET NUMBER REVISED TO REFLECT ADDITIONAL SHEET					
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NJ LICENSE NO. 38516

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