



**US Army Corps
of Engineers**
Philadelphia District

Wanamaker Building
100 Penn Square East
Philadelphia, PA 19107-3390
ATTN: CENAP-OP-R

Public Notice

Public Notice No.	Date
CENAP-OP-R-2017-178	June 19, 2017

Application No.	File No.
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In Reply Refer to:
REGULATORY BRANCH

This District has received an application for a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) and Section 404 of the Clean Water Act (33 U.S.C. 1344).

The purpose of this notice is to solicit comments and recommendations from the public concerning issuance of a Department of the Army permit for the work described below.

APPLICANT: Berkeley Township
P.O. Box 627
Pinewald Keswick Road
Bayville, NJ 08721

AGENT: Remington Vernick and Vena
9 Allen Street
Toms River, NJ 08753

WATERWAY: Barnegat Bay

LOCATION: 299 Butler Boulevard
Berkeley Township, NJ 08721
(39.886129, -74.136189)

ACTIVITY: The applicant proposes to remove the existing and install a new bulkhead, remove and install two new groins with solar navigation lights, replenish the beach with sand and install a new crabbing dock. A total of 136, 10" diameter piles will be driven on the project site. However, only 79 piles will be placed below the Mean High Water Line (MHWL). The proposed northern construction includes replacement of an existing 155 linear foot deteriorating bulkhead with a new 99 linear foot by 2 foot wide timber and vinyl sheeting bulkhead, a 90 linear foot by 3.5 foot wide timber/vinyl groin, and a 195 linear foot x 4 foot wide crabbing dock. Total area of impacts is 1,294 square feet for the northern construction portion of the project. The proposed southern construction includes replacement of an existing 217 linear foot bulkhead with a 150 linear foot by 2.5 foot wide timber/vinyl groin, and a 67 linear foot by 2 foot wide new timber bulkhead with vinyl sheeting. Total area of impact of 629 square feet for the southern construction portion of the project. All in water work will be performed from a barge that will be moved along both the northern and southern bulkheads. Lastly, the beach reconstruction includes

the placements of 740 cubic yards or 6, 450 square feet of engineered beach sand from Lacey Natural Sand along the existing beach area to expand the beach.

PURPOSE: The applicant's stated purpose is to restore and enhance resiliency against wave action on the beach area located at the end of Butler Boulevard in Berkeley Township, Ocean County, New Jersey. The project will also restore the beach to pre-Sandy conditions since the entire area was severely eroded during Superstorm Sandy.

A preliminary review of this application indicates that the proposed work may adversely affect listed species or their critical habitat pursuant to Section 7 of the Endangered Species Act as amended. However, with best management practices implemented in the project this determination could be modified. This determination will be coordinated with The National Marine Fisheries Service.

The decision whether to issue a permit will be based on an evaluation of the activity's probable impact including its cumulative impacts on the public interest. The decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the work must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the work will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shore erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs and welfare of the people. A Department of the Army permit will be granted unless the District Engineer determines that it would be contrary to the public interest.

The Corps of Engineers 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 this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Comments on the proposed work should be submitted, in writing, within 30 days to the District Engineer, U.S. Army Corps of Engineers, Philadelphia District, Wanamaker Building, 100 Penn Square East, Philadelphia, Pennsylvania 19107-3390.

The permit action may have the potential to impact historic properties eligible for or listed on the National Register of Historic Places. The USACE Cultural Resource Specialist will consult with the New Jersey Historic Preservation Office and make a determination on potential impacts to historic properties.

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act 1996 (Public Law 104-267), requires all Federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency that may adversely affect Essential Fish Habitat (EFH). A

preliminary assessment of the species listed in the "Guide to Essential Fish Habitat Designations in the Northeastern United States, Volume IV: New Jersey and Delaware", dated March 1999, indicated that the project may have an adverse effect on EFH and the species of concern.

Analysis of the Effects: The United States Fish and Wildlife Service will need to initiate consultation with the National Marine Fisheries Service to ensure that any action taken will not have a substantial effect on EFH.

Compensatory mitigation according to Federal regulation 33 CFR 325.1(d)(7), applicants wishing to discharge dredged and fill material into waters of the U.S. must include a statement on how they have avoided and minimized impacts as well as how they intend to compensate for unavoidable impacts. The applicant has avoided/minimized impacts to the aquatic environments by staging all construction equipment for the fill portion of the project on uplands as well as making sure fill is only being placed to pre-sandy conditions.

In accordance with Section 307(c) of the Coastal Zone Management Act of 1972, applicants for Federal Licenses or Permits to conduct an activity affecting land or water uses in a State's coastal zone must provide certification that the activity complies with the State's Coastal Zone Management Program. The applicant has stated that the proposed activity complies with and will be conducted in a manner that is consistent with the approved State Coastal Zone Management (CZM) Program. No permit will be issued until the State has concurred with the applicant's certification or has waived its right to do so. Comments concerning the impact of the proposed and/or existing activity on the State's coastal zone should be sent to this office, with a copy to the State's Office of Coastal Zone Management.

In accordance with Section 401 of the Clean Water Act, a Water Quality Certificate is necessary from the State government in which the work is located. Any comments concerning the work described above which relate to Water Quality considerations should be sent to this office with a copy to the State.

The evaluation of the impact of the work described above on the public interest will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act.

Any person may request, in writing, to the District Engineer, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for a public hearing shall state in writing, with particularity, the reasons for holding a public hearing.

Additional information concerning this permit application may be obtained by calling at (215) 656-8597, via email at Genevieve.T.Rybicki@usace.army.mil, or writing this office at the above address.

Edward E. Bonner
Chief, Regulatory Branch

CONTRACT DRAWINGS FOR THE TOWNSHIP OF BERKELEY SHORELINE PROTECTION AT BUTLER BOULEVARD OCEAN COUNTY • NEW JERSEY

TOWNSHIP OF BERKELEY

MAYOR

CARMEN F. AMATO, JR.

COUNCIL PRESIDENT

SOPHIA GINGRICH

COUNCIL MEMBERS

JOHN BACCHIONE

KEITH A. BUSCIO

JAMES J. BYRNES

L. THOMAS GROSSE, JR.

ANGELO GUADAGNO

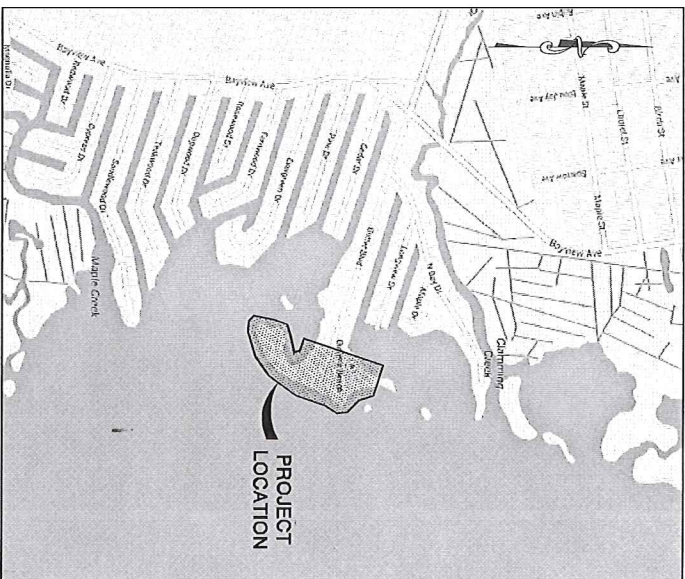
JUDY NOONAN

ADMINISTRATOR

JOHN CAMERA

CLERK

BEVERLY M. CARLE



LOCATION MAP
NTS.

SHEET INDEX

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REMINGTON VERRICK
& VENA ENGINEERS
3 ALLEN STREET
TOMAS RIVER, N.J. 08753
(732) 298-4021 FAX (732) 298-4416
WEB SITE ADDRESS: WWW.RVEM.COM
Certification of Registration: 24-03-2003030
-30-03-2003030-2003030-2003030-

Alan B. Dittenhofer
ALAN B. DITTENHOFER
A PROFESSIONAL ENGINEER, N.J. #1972

PLANS WHICH DO NOT BEAR
THE PROFESSIONAL SEAL ARE NOT VALID.

THIS DRAWING IS THE PROPERTY OF REMINGTON VERRICK & VENA ENGINEERS. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF REMINGTON VERRICK & VENA ENGINEERS. ANY UNAUTHORIZED REPRODUCTION OR TRANSMISSION OF THIS DRAWING IS PROHIBITED AND WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.

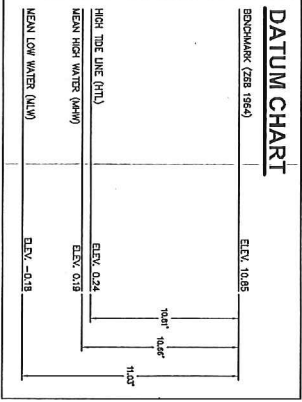
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TITLE SHEET

TOWNSHIP OF BERKELEY
SHORELINE PROTECTION AT
BUTLER BOULEVARD

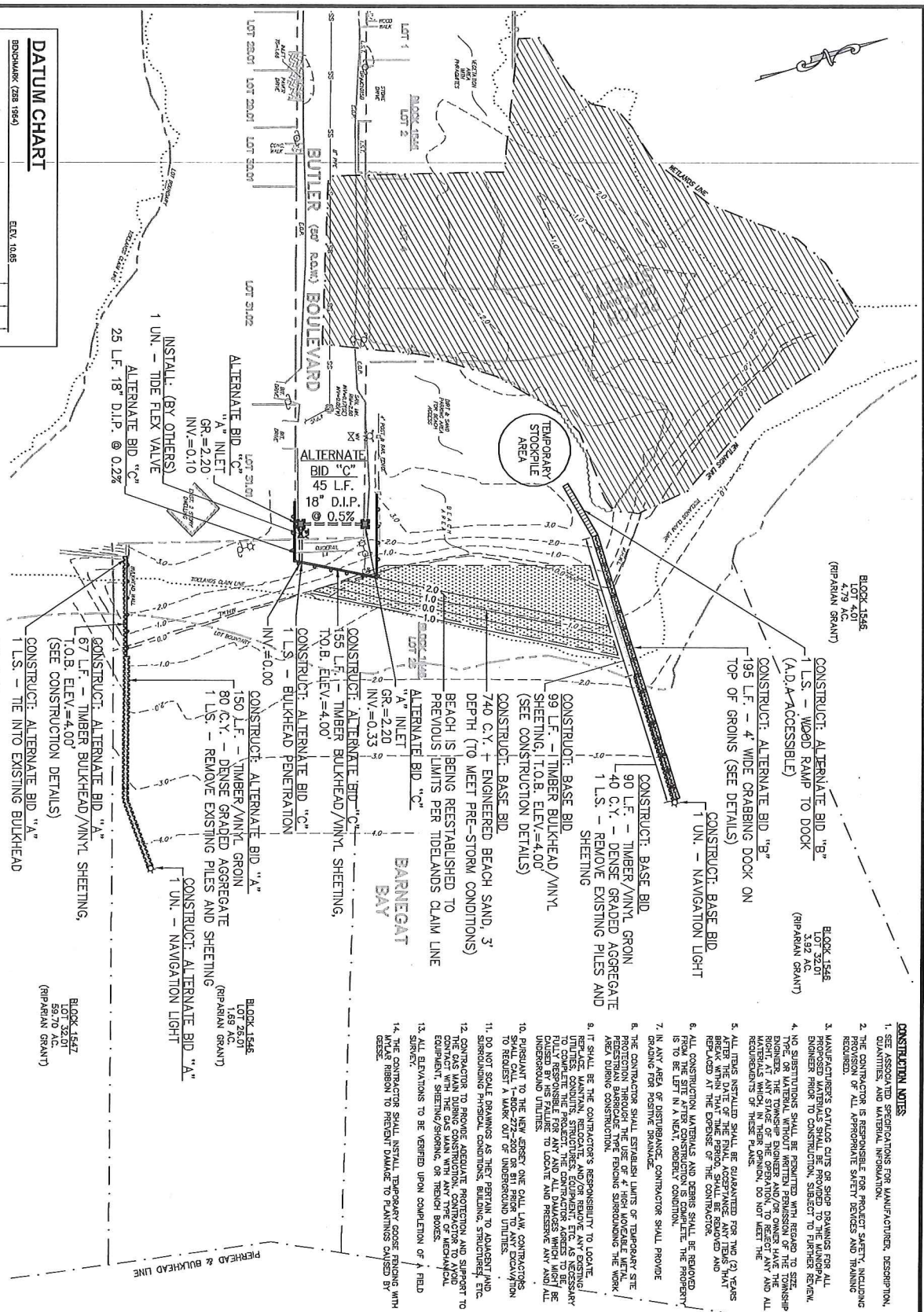
BERKELEY TOWNSHIP OCEAN COUNTY NEW JERSEY

PREPARED BY	DESIGNED BY	CHECKED BY	DATE
BR	AS	AS NOTED	6-22-17
DATE	1 of 7		



SCALE: 1" = 100'

GRAPHIC SCALE
(IN FEET)
1 inch = 100 ft



CONSTRUCTION NOTES

1. SEE ASSOCIATED SPECIFICATIONS FOR MANUFACTURER, DESCRIPTION, QUANTITIES, AND MATERIAL INFORMATION.
2. THE CONTRACTOR IS RESPONSIBLE FOR PROJECT SAFETY, INCLUDING PROVISION OF ALL APPROPRIATE SAFETY DEVICES AND TRAINING.
3. MANUFACTURER'S CATALOG CUTS OR SHOP DRAWINGS FOR ALL MATERIALS SHALL BE PROVIDED WITH RESPECT TO SIZE, TYPE, OR MATERIAL, WITHOUT WRITTEN PERMISSION OF THE TOWNSHIP ENGINEER. THE TOWNSHIP ENGINEER AND/OR OWNER HAVE THE MATERIALS WHICH BE THEIR OWNERSHIP TO NOT MEET THE REQUIREMENTS OF THESE PLANS.
4. ALL ITEMS INSTALLED SHALL BE GUARANTEED FOR TWO (2) YEARS AFTER THE DATE OF THE FINAL ACCEPTANCE. ANY ITEMS THAT ARE DEFECTIVE OR DO NOT MEET THE REQUIREMENTS OF THESE PLANS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
5. ALL CONSTRUCTION MATERIALS AND DEBRIS SHALL BE REMOVED FROM THE SITE AFTER CONSTRUCTION. THE PROPERTY IS TO BE LEFT IN A NEAT, ORDERLY CONDITION.
6. IN ANY AREA OF DISTURBANCE, CONTRACTOR SHALL PROVIDE GRADING FOR POSITIVE DRAINAGE.
7. THE CONTRACTOR SHALL ESTABLISH LIMITS OF TEMPORARY SITE PROTECTION THROUGH THE USE OF 4" HIGH LOCABLE METAL PILES OR EQUIVALENTS. FENCING SURROUNDING THE WORK AREA DURING CONSTRUCTION.
8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITIES, CONDUITS, STRUCTURES, EQUIPMENT, ETC. AS NECESSARY TO COMPLETE THE PROJECT. THE CONTRACTOR AGREES TO BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES, CONDUITS, STRUCTURES, EQUIPMENT, ETC. CAUSED BY HIS FAILURE TO LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
9. PLANTING TO THE NEW JERSEY ONE CALL LAW. CONTRACTORS SHALL CALL 1-800-22-2000 OR 811 PRIOR TO ANY EXCAVATION TO REQUEST A MARK OUT OF UNDERGROUND UTILITIES.
10. CONTRACTOR TO PROVIDE ADEQUATE PROTECTION AND SUPPORT TO EXISTING UTILITIES, CONDUITS, STRUCTURES, EQUIPMENT, ETC. AS NECESSARY TO COMPLETE THE PROJECT. THE CONTRACTOR AGREES TO BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES, CONDUITS, STRUCTURES, EQUIPMENT, ETC. CAUSED BY HIS FAILURE TO LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
11. ALL ELEVATIONS TO BE VERIFIED UPON COMPLETION OF A FIELD SURVEY.
12. THE CONTRACTOR SHALL INSTALL TEMPORARY GROUND FENCING WITH PILES AND RAIL TO PREVENT DAMAGE TO PLANTINGS CAUSED BY DEBRIS.

PLAN SHEET

TOWNSHIP OF BERKELEY
SHORELINE PROTECTION AT
BUTLER BOULEVARD

BERKELEY TOWNSHIP OCEAN COUNTY NEW JERSEY

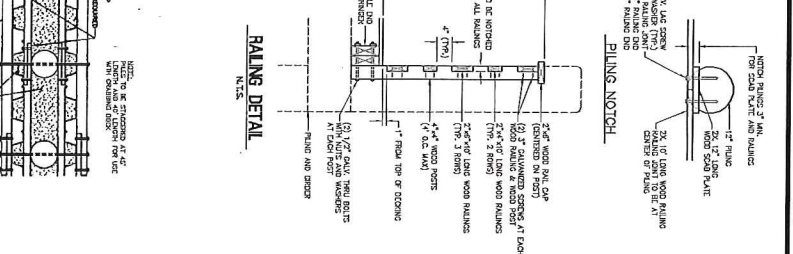
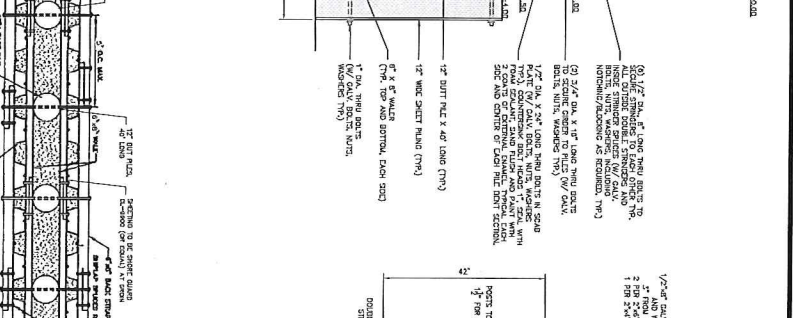
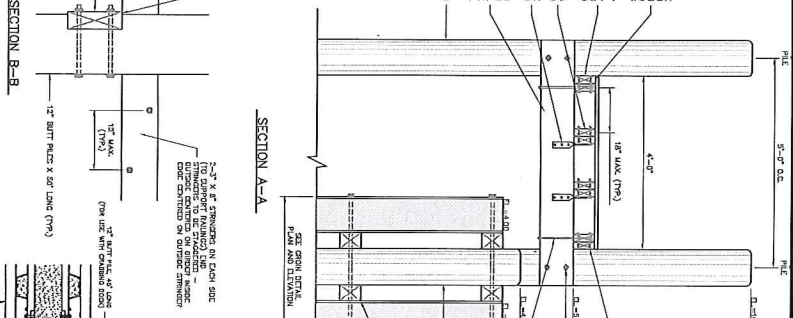
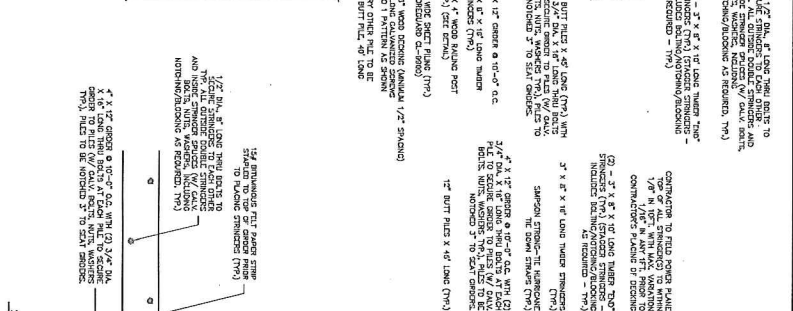
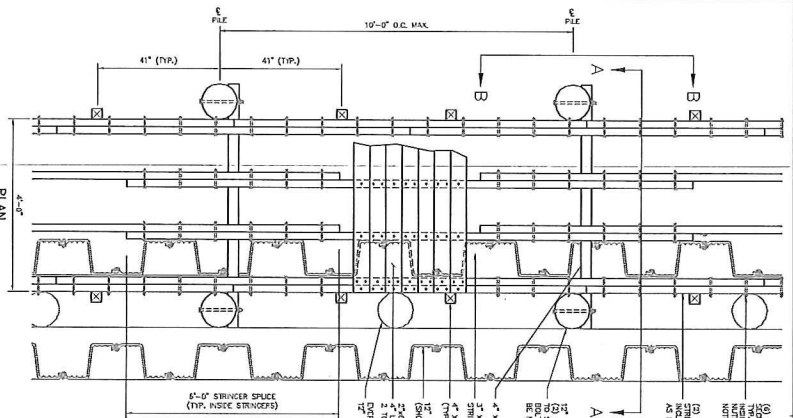


REMINGTON, VERNICK
& VENA ENGINEERS
9 ALLEN STREET
TOWNSHIP OF BERKELEY
(732) 288-0225 FAX (732) 097414
WEB SITE ADDRESS: WWW.RVVENA.COM
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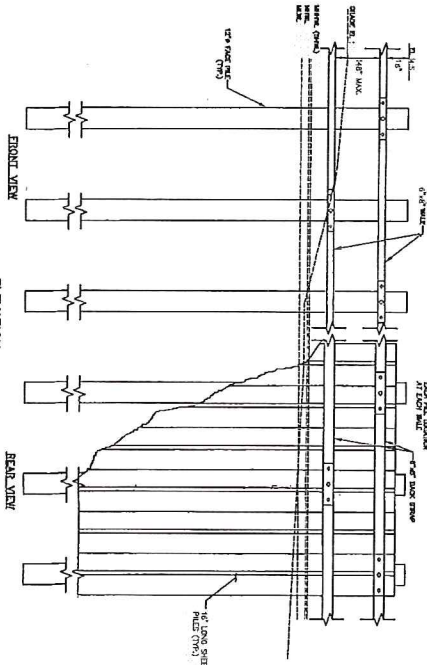
ALAN B. DITTMER
N.J. PROFESSIONAL ENGINEER, LIC. NO. 29732

NO.	REVISION	DATE
1	ISSUED FOR PERMIT	5/23/2017
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2 of 7



- CONSTRUCTION NOTES:**
1. ALL PILES AND LUMBER FOR "TIMBER BULKHEAD/VINYL SHEETING", "TIMBER VINYL GROIN", AND "4\"/>



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CONSTRUCTION DETAILS

TOWNSHIP OF BERKELEY

SHORELINE PROTECTION AT BUTLER BOULEVARD

BERKELEY TOWNSHIP OCEAN COUNTY NEW JERSEY

REMINGTON VERNICK & VENA ENGINEERS

8 ALLEN STREET

TOMAS RIVER, N.J. 07075

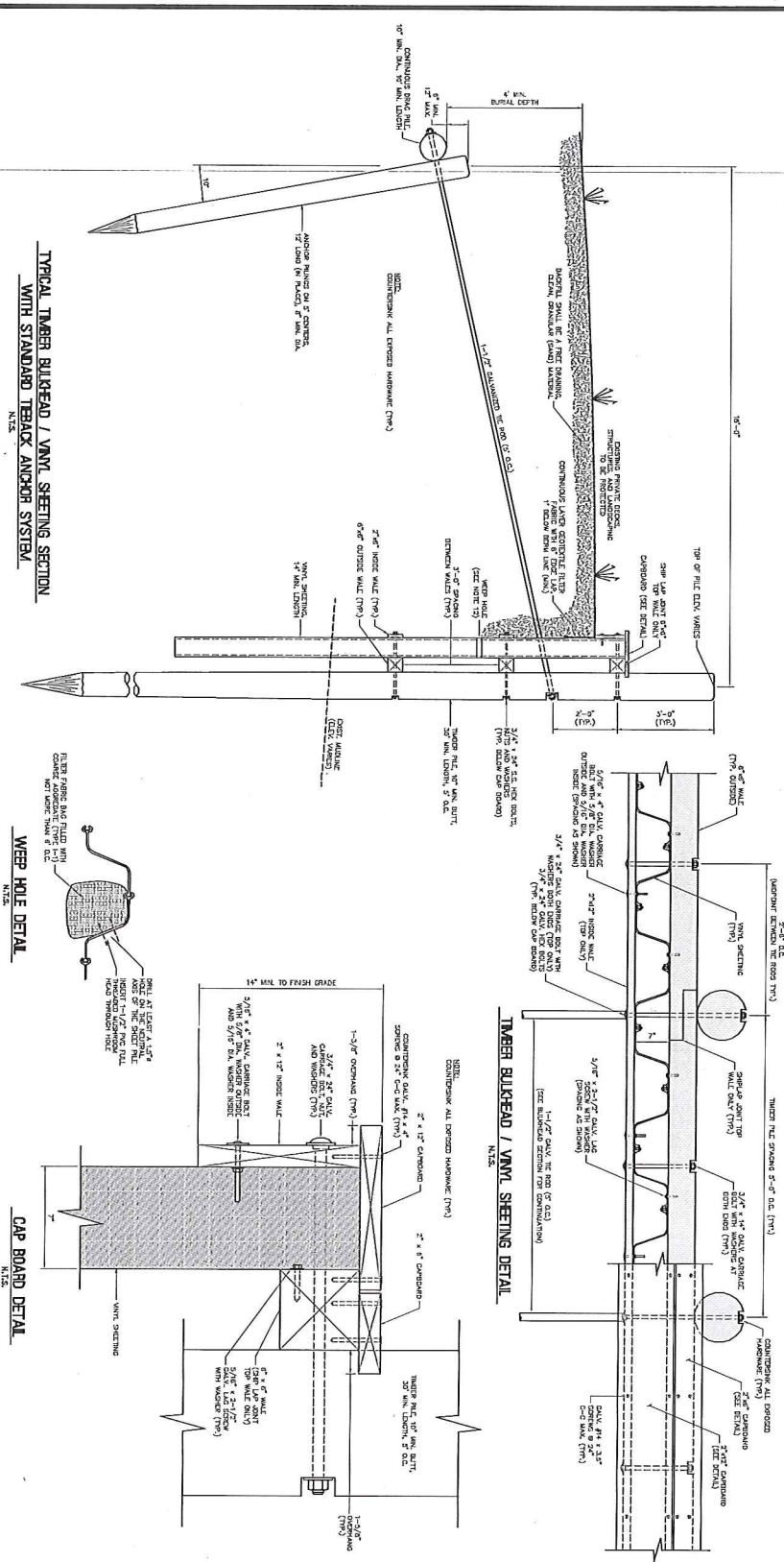
TEL: 732-266-2021 FAX: 732-266-4416

WEB SITE ADDRESS: WWW.RVEM.COM

4000 LINDEN DRIVE, SUITE 200, NEWTON, NJ 07860

ALAN B. DITTMER OFER

N.J. PROFESSIONAL ENGINEER, LIC. 37972



TIMBER BULKHEAD NOTES

1. ALL TIMBER SHALL BE ADHESIVE GRADE EXTERIOR PINE PROVENANCE (APV) TYPICAL GRADE C-2 AND C-3.
2. ALL LARGE NAILS USED IN CONSTRUCTION SHOULD BE GALVANIZED LONG TENANT NAILS BE TO TANK EXTERIOR PINE AND C-3.
3. ALL ANCHORS AND NAILS SHOULD BE GALVANIZED.
4. ALL TIEBACKS SHOULD BE A FREE DRAINAGE, CLEAN, GALVANIZED (C-3).
5. SHEETING FOR THE TIMBER BULKHEAD/VINYL SHEETING TIEBACK SHALL BE GALVANIZED TO AND AT THE TIEBACK ANCHOR AT THE FACE OF ALL BULKHEADS.
6. ALL TIEBACKS SHOULD BE GALVANIZED TO THE FACE OF ALL BULKHEADS.
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11. NAILS SHALL BE CUT AT AN ANGLE OF 45 DEGREES TO THE FACE OF THE BULKHEAD.
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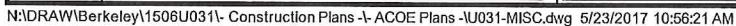
BULKHEAD DETAILS

TOWNSHIP OF BERKELEY
SHORELINE PROTECTION AT
BUTLER BOULEVARD
BERKELEY TOWNSHIP OCEAN COUNTY NEW JERSEY

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REMINGTON VERNICK & VENA ENGINEERS
9 ALLEN STREET
TOMAS RIVER, N.J. 08783
(732) 286-0222 FAX (732) 286-4816
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E-MAIL ADDRESS: REMINGTON@RVE.COM

ALAN B. DITTMER
N.J. PROFESSIONAL ENGINEER, No. 3772



RVV

0 ALLEN STREET
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TOMS RIVER, N.J. 08753
(732) 288-6220 FAX (732) 505-6416
WEB SITE ADDRESS : WWW.RVACOM
Certification of Authorization 24 CA 21001300
~INNOVATING EXCELLENCE SINCE 1901~

ALAN B. DITTENHOFF
A PROFESSIONAL ENGINEER L.C. No. 37672

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No.	REVISION	DATE	BY	CHECKED

TOWNSHIP OF BERKELEY
RELINQUISH PROTECTION AT
BUTLER BOULEVARD

BERKELEY TOWNSHIP OCEAN COUNTY NEW JERSEY

<u>DRAWN BY:</u>	<u>DESIGN BY:</u>	<u>CHECKED BY:</u>	<u>SCALE:</u>
BK	J.	ABD	AS NOTED

7 of 7

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and the international community, and the United Nations, the European Union, and the Organization for Security and Co-operation in Europe (OSCE). The United States has also been a strong supporter of the OSCE's efforts to monitor and report on human rights violations in the Balkans. The OSCE has been instrumental in providing a platform for dialogue and cooperation between the various parties involved in the conflict. The United States has also been a strong supporter of the OSCE's efforts to provide humanitarian aid to the victims of the conflict. The OSCE has been instrumental in providing a platform for dialogue and cooperation between the various parties involved in the conflict. The United States has also been a strong supporter of the OSCE's efforts to provide humanitarian aid to the victims of the conflict.

the 1970s, and the 1980s. The 1970s were a period of rapid growth and expansion for the industry, with many new companies entering the market. The 1980s were a period of consolidation and competition, with many companies being acquired or merged. The 1990s were a period of growth and expansion, with many new companies entering the market. The 2000s were a period of consolidation and competition, with many companies being acquired or merged. The 2010s were a period of growth and expansion, with many new companies entering the market. The 2020s are a period of consolidation and competition, with many companies being acquired or merged.

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Technical drawing of a ship's hull section, showing the hull, keel, and various structural components. The drawing includes labels for different parts and dimensions.

Labels:

- 1. Hull
- 2. Keel
- 3. Deck
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[illegible]

Figure 1 is a schematic diagram of a cross-section of a road and its drainage system. The diagram shows a road surface with a central gutter and side ditches. A drainage pipe is shown running along the side of the road, with a manhole access point. The diagram is labeled with various components and dimensions:

- 1**: Road surface
- 2**: Gutter
- 3**: Side ditch
- 4**: Drainage pipe
- 5**: Manhole
- 6**: Road shoulder
- 7**: Road base
- 8**: Road subgrade
- 9**: Road width
- 10**: Road depth
- 11**: Road slope
- 12**: Road elevation
- 13**: Road drainage
- 14**: Road construction
- 15**: Road maintenance
- 16**: Road safety
- 17**: Road environment
- 18**: Road economics
- 19**: Road social
- 20**: Road cultural
- 21**: Road historical
- 22**: Road future
- 23**: Road present
- 24**: Road past
- 25**: Road future
- 26**: Road present
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- 98**: Road present
- 99**: Road past
- 100**: Road future