



U.S. Army Corps
of Engineers
Baltimore District

Public Notice

In Reply to Application Number
CENAB-OP-RMN (Nabbs Creek Marina/Dredging & Piers)
2015-61194-M18

PN 15-80

Comment Period: November 4, 2015 to December 03, 2015

THE PURPOSE OF THIS PUBLIC NOTICE IS TO SOLICIT COMMENTS FROM THE PUBLIC REGARDING THE WORK DESCRIBED BELOW. NO DECISION HAS BEEN MADE AS TO WHETHER OR NOT A PERMIT WILL BE ISSUED AT THIS TIME.

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 and/or Section 404 of the Clean Water Act (33. U.S.C. 1344)** as described below:

APPLICANT: Mr. Eric Bradley
9 State Circle
Annapolis, Maryland 21401

WATERWAY AND LOCATION: The proposed project is located in Nabbs Creek at the Nabbs Creek Marina, 864 Nabbs Creek Road, Glen Burnie, Anne Arundel County, Maryland.

PROPOSED WORK: To remove and replace piers and pilings as follows:

- Pier 'A' - construct an 8' x 251' pier which includes fourteen 3' x 35' finger piers, one 3' x 20' finger pier and one 8' x 78' T-head.
- Pier 'B' - construct one 8' x 263' pier which includes eight 3' x 35' finger piers, eight 3' x 40' finger piers and one 8' x 83' T-head.
- Pier 'C' - construct one 8' x 312' pier which includes eight 3' x 35' finger piers, one 3' x 50' finger pier, one 3' x 40' finger pier, six 3' x 30' finger piers, five 3' x 25' finger piers, and one 8' x 146' L-head pier, one 8' x 100' pier and one 8' x 119' L-head pier.
- Construct one 3' x 30' finger pier alongside of an existing travel lift. Construct a 1,000 square foot irregular shaped deck with a tiki bar.
- Construct a 40' long stone containment groin at a maximum distance of 35' channelward of the approximate mean high water shoreline and spread 150 cubic yards of clean sand over a 2,021 square foot area landward of the stone groin.
- Mechanically maintenance dredge 24,528 square feet to a maximum depth of -5.0' mean low water (MLW) and remove approximately 2,289 cubic yards of material.

- Mechanically maintenance dredge 2,828 square feet to a maximum depth of -8.0' MLW and remove approximately 315 cubic yards of material.
- The dredged material will be deposited at the approved Westport Reclamation Services upland dredged material disposal site located at 4944 Sands Road, Lothian, Anne Arundel County, Maryland.
- All work will be within the existing marina basin at a maximum distance of 312 feet channelward of the approximate mean high water shoreline.

The purpose of the project is to improve navigable access, and repair and maintenance of the existing marina. All work will be completed in accordance with the enclosed plans dated August 1, 2015.

If you have any questions concerning this matter, please contact Mr. Richard Kibby at 410-962-0694 or richard.kibby@usace.army.mil.

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit, which reasonable may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors, which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economic, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, and consideration of property ownership and in general, the needs and welfare of the people.

The evaluation of the impacts of the work described above on the public interest will include application of the Clean Water Act 404(b)(1) Guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404 of the Clean Water Act.

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 provided will become part of the public record for this action. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Written comments concerning the work described above related to the factors listed above or other pertinent factors must be received by the District Engineer, U.S. Army Corps of Engineers, Baltimore District, [Attn: Mr. Richard Kibby, CENAB-OP-RMN], P.O. Box 1715, Baltimore,

Maryland, 21203-1715 or richard.kibby@usace.army.mil, within the comment period specified above.

ESSENTIAL FISH HABITAT: The Magnuson-Stevens Fishery Conservation and Management Act (MSFCMA), as amended by the Sustainable Fisheries Act of 1996 (Public Law 04-267), requires all Federal agencies to consult with the National Marine Fisheries Service (NMFS) on all actions, or proposed actions, permitted, funded, or undertaken by the agency that may adversely effect Essential Fish Habitat (EFH).

The project site lies in or adjacent to EFH as described under MSFCMA for windowpane flounder (*Scopthalmus aquosus*) juvenile and adult; blue fish (*Pomatomus saltatrix*) juvenile and adult; summer flounder (*Paralichthys dentatus*) juvenile and adult; and egg, larvae, juvenile and adult stages of red drum (*Sciaenops ocellatus*), king mackerel (*Scomberomorus cavalla*), spanish mackerel (*Scomberomorus maculatus*), and cobia (*Rachycentron canadum*), all managed species under the MSFCMA.

The project has the potential to adversely affect EFH or the species of concern by loss of spawning, nursery, forage and/or shelter habitat as described under the MSFCMA for the species and life stages identified above. The Baltimore District has made a preliminary determination that site-specific impacts would not be substantial and an abbreviated consultation will be conducted with NMFS. This determination may be modified if additional information indicates otherwise and would change the preliminary determination.

WATER QUALITY CERTIFICATION: The applicant is required to obtain a water quality certification in accordance with Section 401 of the Clean Water Act from the Maryland Department of the Environment. Any written comments concerning the work described above which relate to water quality certification must be received by the Maryland Department of the Environment, Tidal Wetlands Division, Montgomery Park Business Center, 1800 Washington Boulevard, Suite 430, Baltimore, Maryland 21230-1708 within the comment period as specified above to receive consideration. MDE has a statutory limit of one year from the date of this public notice to make its decision.

COASTAL ZONE MANAGEMENT PROGRAMS: The applicant has certified in this application that the proposed activity complies with and will be conducted in a manner consistent with the Maryland Coastal Zone Management (CZM) Program. By this public notice, we are requesting the State concurrence or objection to the applicant's consistency statement. Public comments relating to consistency must be received by the Maryland Department of the Environment, Tidal Wetlands Division, Montgomery Park Business Center, 1800 Washington Boulevard, Suite 430, Baltimore, Maryland 21230-1708 within the comment period specified above to receive consideration. MDE has a statutory limit of 6 months to concur or object to the applicant's consistency determination.

The applicant must obtain any State or local government permits which may be required.

A preliminary review of this application indicates that the proposed work will not affect Federal listed threatened or endangered species or their critical habitat, pursuant to Section 7 of the Endangered Species Act, as amended. As the evaluation of this application continues, additional information may become available which could modify this preliminary determination.

Review of the latest published version of the National Register of Historic Places indicates that no registered properties listed as eligible for inclusion, therein, are located at the site of the proposed work. Currently unknown archeological, scientific, prehistoric, or historical data may be lost or destroyed by the work to be accomplished under the request permit.

Any person who has an interest which may be adversely affected by the issuance of this permit may request a public hearing. The request, which must be in writing, must be received by the District Engineer, U.S. Army Corps of Engineers, Baltimore District, [Attn: Mr. Richard Kibby, CENAB-OP-RMN], P.O. Box 1715, Baltimore, Maryland 21203-1715, within the comment period as specified above to receive consideration. Also it must clearly set forth the interest which may be adversely affected by this activity and the manner in which the interest may be adversely affected.

It is requested that you communicate this information concerning the proposed work to any persons know by you to be interested and not being known to this office, who did not receive a copy of this notice.

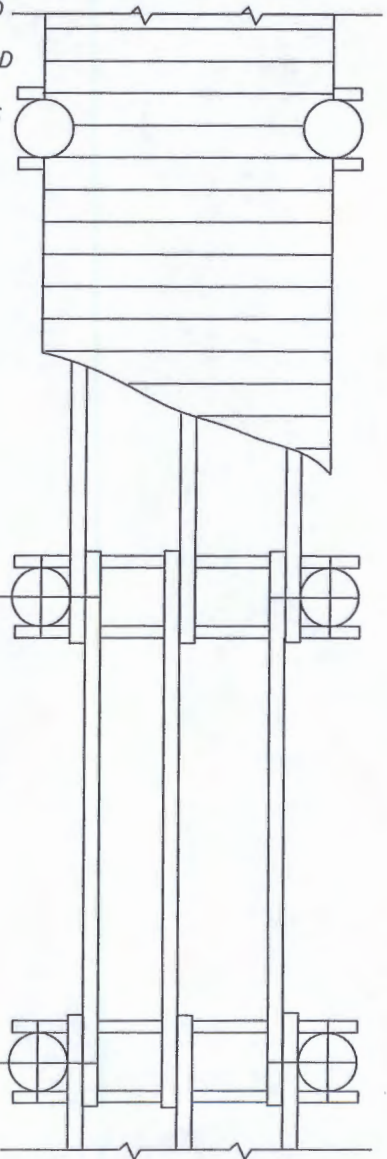
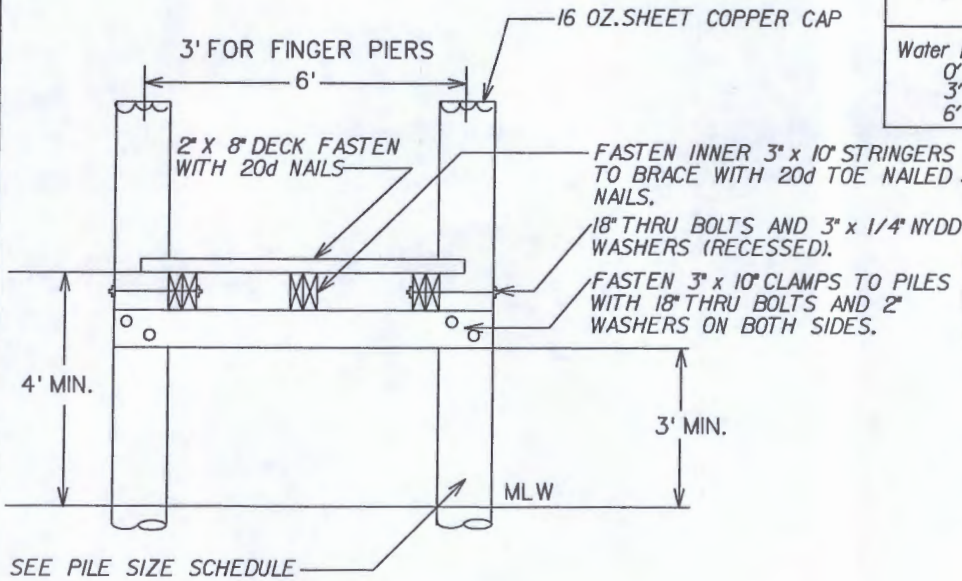
FOR THE DISTRICT ENGINEER:

Joseph P. DaVia
Chief, Maryland Section Northern

NOTE: ALL PILES MUST BE DRIVEN WHERE POSSIBLE.

PILE SIZE SCHEDULE

Water Depth (MLW)	Pile Diameter	Pile Length
0' - 3'	10"	30'
3' - 6'	12"	40'
6' - 9'	14"	50'



TYPICAL PIER CROSS SECTION
NOT TO SCALE

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NOTES:

1. Wood shall be grade #2 or better per S.P.I.R. Standards. Treatment shall be per AWPA Standards: (1) Piles - 2.5 lb/cu. ft. CCA Type C. For areas of severe marine infestation 2.5 lb/cu. ft. CCA is recommended; (2) Decking and stringers - 1.5 lb/cu. ft. Penta or 0.4 lb/cu. ft. CCA Type C.
2. All steel hardware shall be hot dip galvanized after fabrication.
3. For pier widths of 4' or less a center stringer is not required unless composite decking is applied.
4. For piles extending more than 5 ft. above mean low water, the pile length must be increased accordingly.
5. All steel hardware shall be a minimum of 1" with 3" x 1/4" NYDD washers.
6. This standard is for typical river conditions with firm granular soil. It does not take into account excessive water depth, poor soil conditions, scouring due to currents or waves, or heavy loads. Where site conditions differ the structure shall be designed and sealed by a Professional Engineer registered to practice in the State of Maryland.
7. The details on this drawing are to be considered as minimum standards for specific conditions. It shall be the responsibility of the applicant to determine if conditions require design modifications. The Permit Coordinators and the Engineer assume no responsibility or liability for performance of the structure on this drawing.
8. All bolts to be thru bolted and recessed on outboard side.
9. WEDC, Inc. reserves the right to prosecute violators of federal copyright laws.

TYPICAL PIER PLAN
SCALE: NONE

Tax Account Number:
3020-0834-9670
Tax Map: 11
Parcel: 36
Deed Ref: 22190/9
Plat Ref: 17/21
Zoning: MA2
Lot Size: 4.41 Acres

FIXED PIER SPECIFICATIONS
Waterfront Engineering, Design and Construction, Inc.
303 Najoles Rd. St. 114
Millersville, MD 21108
(410) 703-8533 Voice
waterfrontdesign@verizon.net

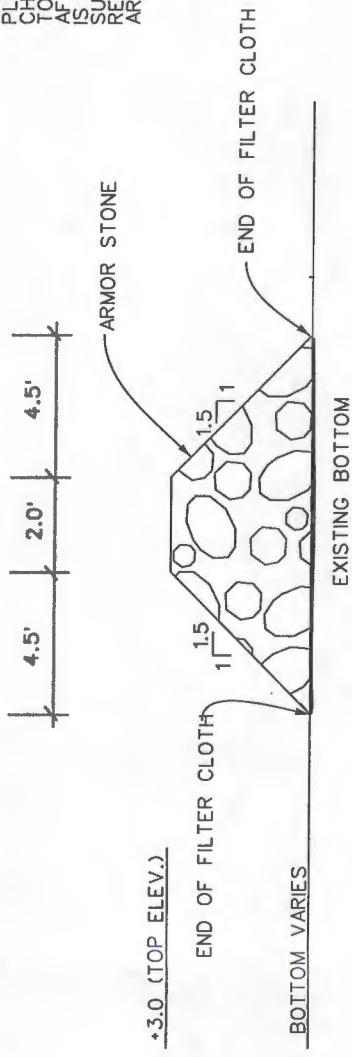
PROPOSED:
Reconfigure marina.

in: Nabbs Creek State: Maryland
co: Anne Arundel at: Altoona Beach
Application by: Maurgale Marina
Sheet 3 of 14 Date: August 1, 2015

NOTE: This drawing for permit purpose only. All dimensions must be field verified by Contractor prior to construction.

Applicant's Signature:

600 LB. TO 1600 LB. ARMOR STONE PLACED AND ROUGHLY CHINKED. CHINKING STONES SHALL BE 100 LB. TO 300 LB. CHINKING SHALL BE DONE AFTER PLACEMENT OF ARMOR STONE IS COMPLETED AND ONLY TO FILL THE SURFACE VOIDS LARGE ENOUGH TO RECEIVE CHINKING SIZE STONES. ARMOR STONE TO BE MIN. 3.0' THICK.



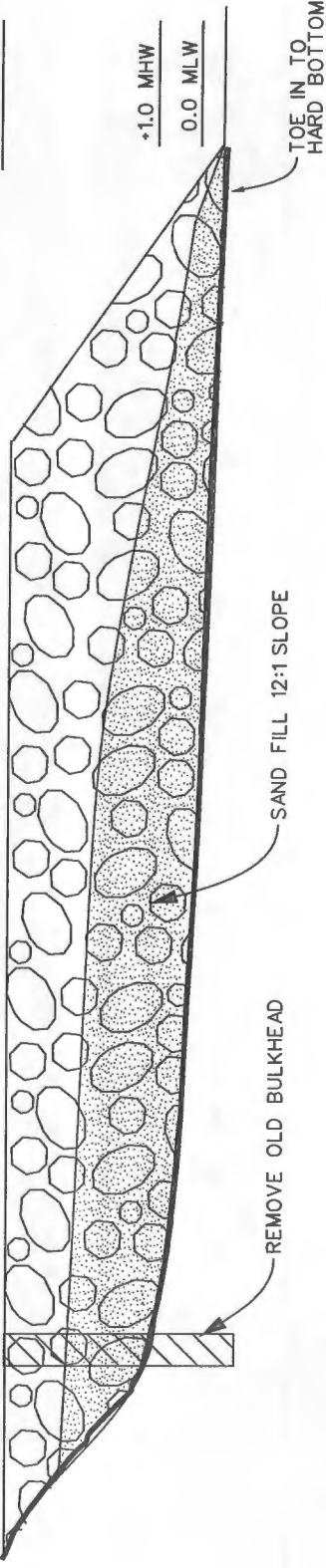
TYPICAL STONE GROIN STRUCTURE SECTION

SCALE: NTS



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END OF FILTER CLOTH



TYPICAL BEACH NOURISHMENT STONE GROIN SECTION

SCALE: NTS

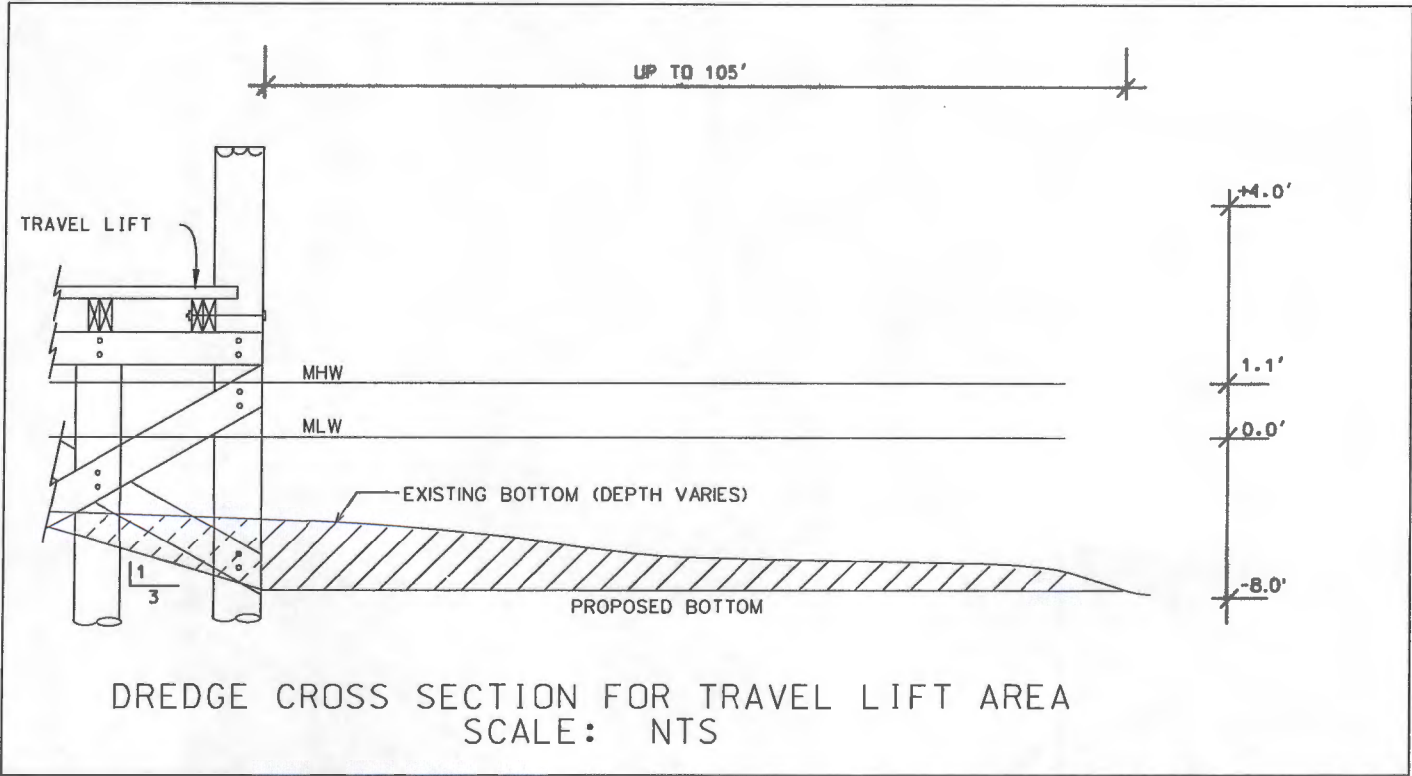
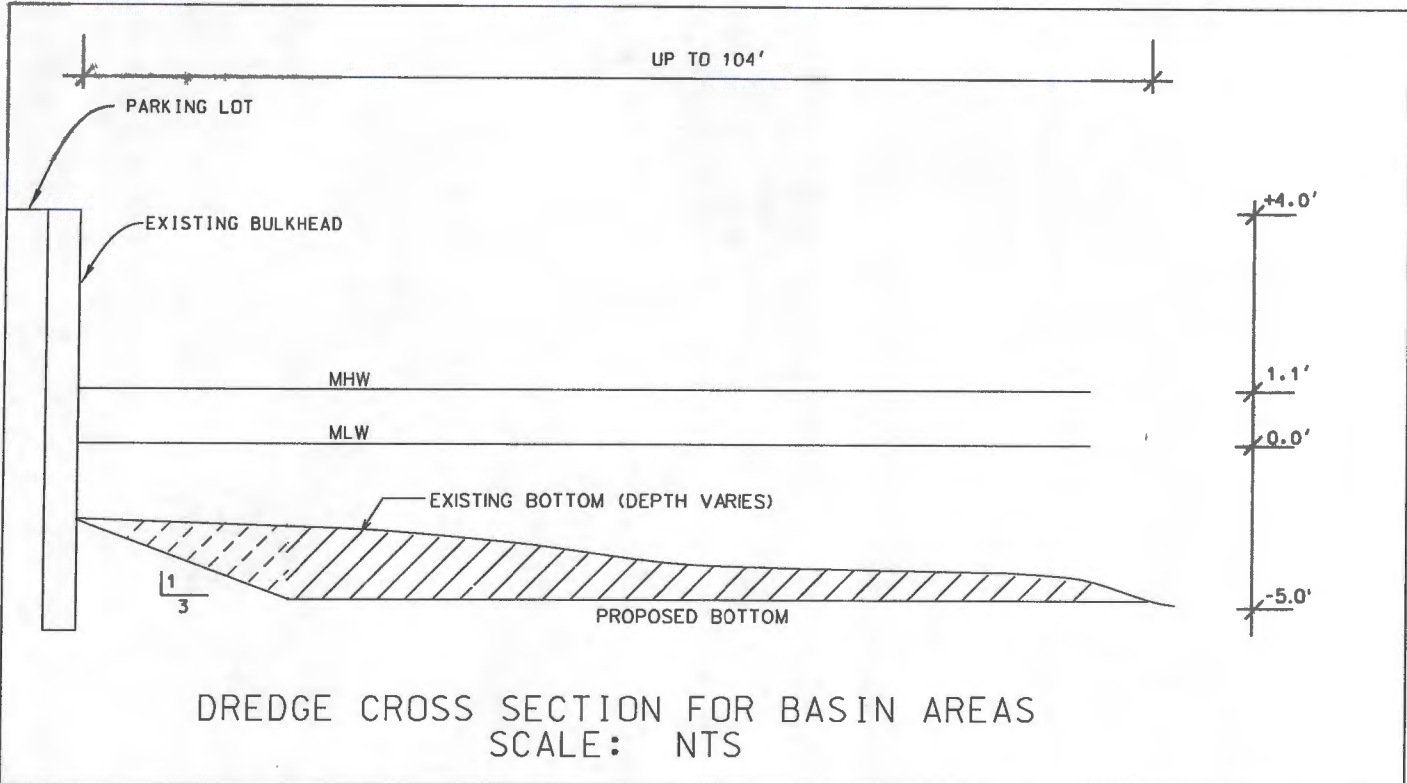
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Deed Ref: 22190/9
Plat Ref: 17/21
Zoning: MA2
Lot Size: 4.41 Acres

STONE SPECIFICATIONS
Waterfront Engineering, Design and Construction, Inc.
303 Najoles Rd. St. 114
Millersville, MD 21108
(410) 703-8533 Voice
waterfrontdesign@verizon.net

PROPOSED:
Reconfigure marina.
in: Nabbs Creek State: Maryland
co: Anne Arundel at: Altoona Beach
Application by: Maurgale Marina
Sheet 4 of 14 Date: August 1, 2015

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Plat Ref: 17/21
Zoning: MA2
Lot Size: 4.41 Acres

**DREDGING
SPECIFICATIONS**

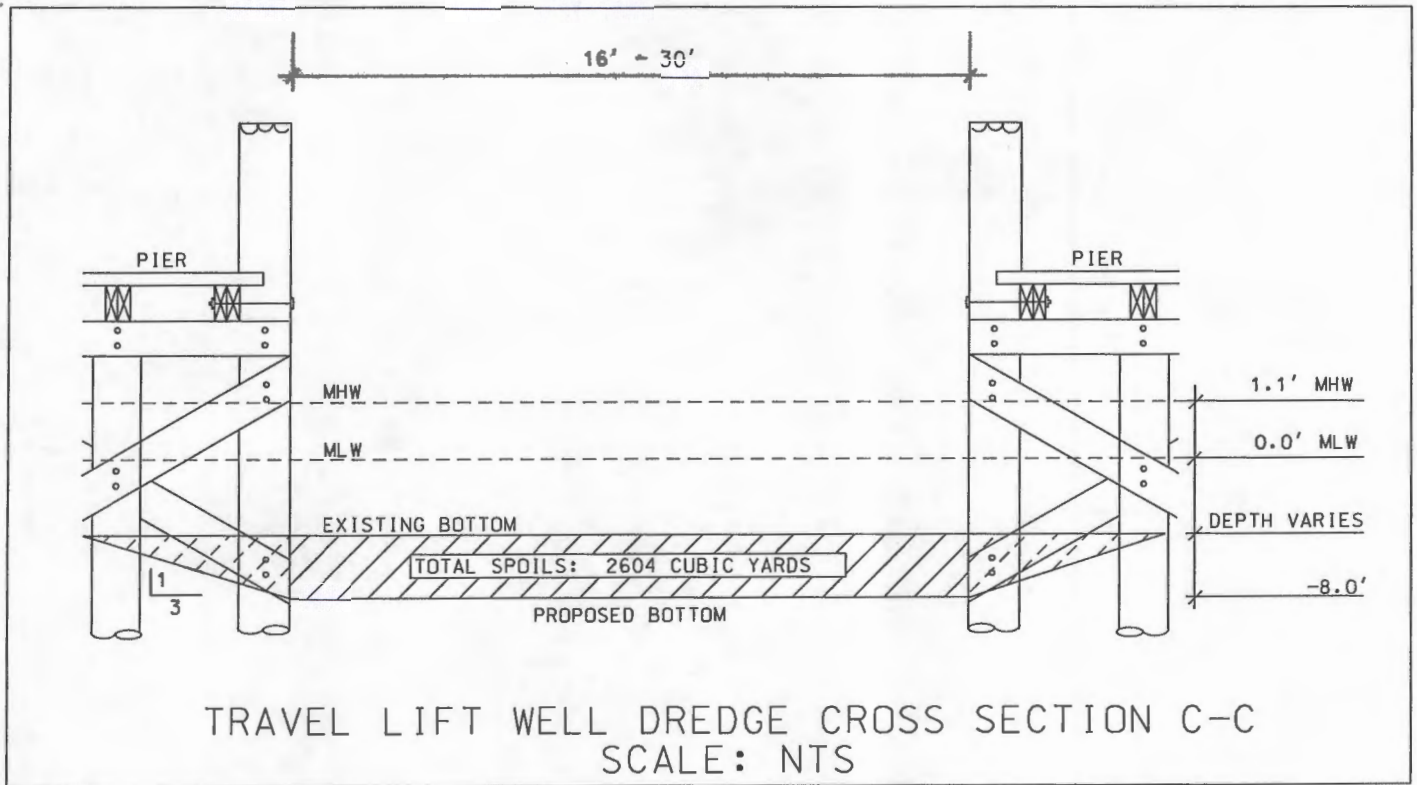
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in: Nabbs Creek State: Maryland
co: Anne Arundel at: Altoona Beach
Application by: Maurgale Marina
Sheet 5 of 14 Date: August 1, 2015

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Lot Size: 4.41 Acres

DREDGING SPECIFICATIONS

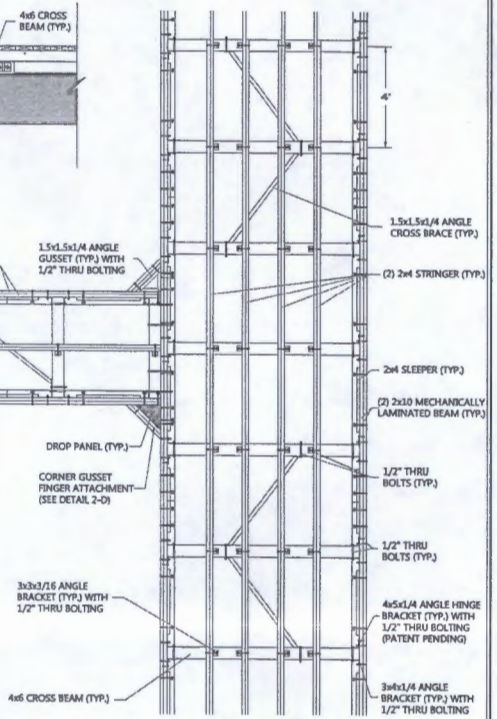
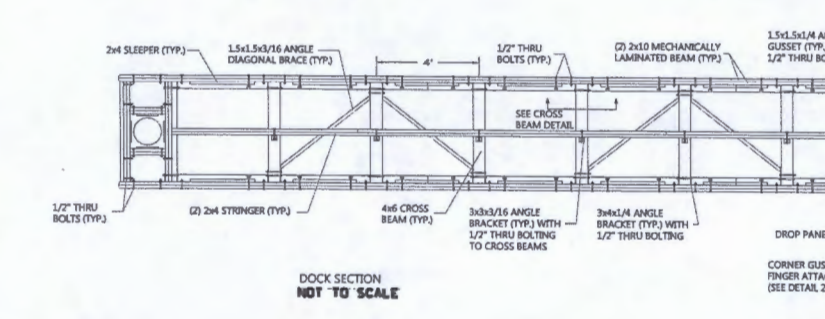
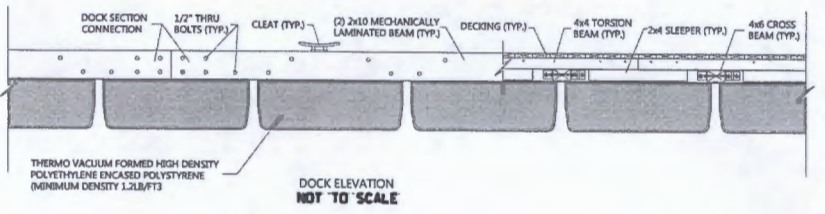
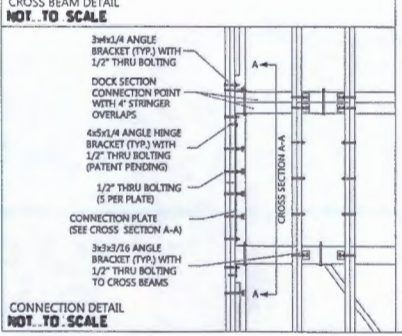
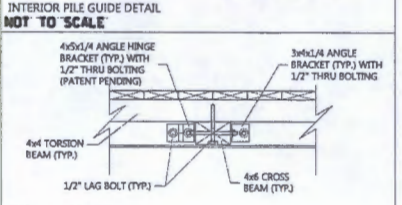
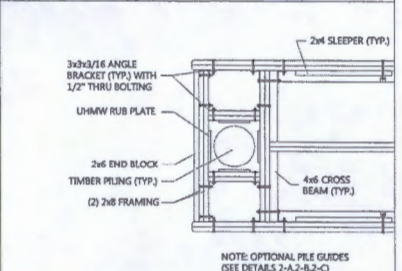
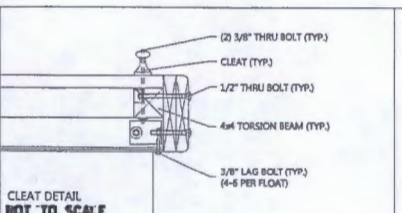
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(410) 703-8533 Voice
waterfrontdesign@verizon.net

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in: Nabbs Creek State: Maryland
co: Anne Arundel at: Altoona Beach
Application by: Murgale Marina
Sheet 6 of 14 Date: August 1, 2015

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Applicant's Signature:



GENERAL NOTES

1. LIVE LOADS: FLOATING PIERS, DOCKS, FINGERS - 50 LBS PER SQ. FT OR 500 CONCENTRATED LOAD ON ANY AREA 2 FT. SQ. THE DOCK SHALL NOT HAVE MORE THAN SIX DEGREES TILT FROM THE HORIZONTAL UNDER A UNIFORM LIVE LOAD OF ONE-HALF OF THE PIER WIDTH OR UNDER CONCENTRATED LOAD OF 400 LBS APPLIED TO ONE SIDE.
2. DEAD LOADS: THE WEIGHT OF THE COMPONENT PARTS OF THE STRUCTURE AS WELL AS RAMPS, DOCK BOXES, UTILITIES, BOARDING STEPS, AND OTHER APPLICABLE DOCK ACCESSORIES ARE USED IN THE DESIGN OF THE DOCK SYSTEM.
3. FLOATION: WILL BE DESIGNED TO SUPPORT THE DEAD LOAD PLUS 50 LBS LIVE LOAD APPLIED TO THE ENTIRE AREA OF THE DOCK SURFACE WITH 9" MINIMUM FREEBOARD.
4. UNDER DEAD LOADS, FLOATING DOCKS WILL HAVE A MINIMUM OF:
 - A. 15" FREEBOARD WITH 12" FLOATION
 - B. 18" FREEBOARD WITH 16" FLOATION
 - C. 20" FREEBOARD WITH 18" FLOATION
5. CHAPTER 36 OF NC STATE BUILDING CODE 2006 EDITION AND/OR ALL APPLICABLE COMPLIANCES
6. ALL LUMBER PRESSURE TREATED SOUTHERN YELLOW PINE, GRADE #2 OR BETTER, MINIMUM RETENTION 0.60 EPA APPROVED WATERBORNE PRESERVATIVE CHROMATED COPPER ARSENATE (CCA) APPLIED IN THE STANDARDS OF THE AMERICAN WOOD PRESERVERS ASSOCIATION
7. ALL ANGLE AND PLATES - HOT DIPPED GALVANIZED, FASTENERS - STAINLESS STEEL



ML-32 FRAMING AND BANDING PLAN
 DESIGN RANGE - DOCKS 6' TO 12' AND FINGER PIERS 2'-6" TO 5' WIDE IN 32" TO 48" INCREMENTS



FLOATING PIER SPECIFICATIONS

PROPOSED:
 Reconfigure marino.

Tax Account Number:
 3020-0834-9670
 Tax Map: 11
 Parcel: 36
 Deed Ref: 22190/9
 Plot Ref: 17/21
 Zoning: MA2
 Lot Size: 4.41 Acres

Waterfront Engineering, Design and Construction, Inc.
 303 Najoles Rd. St. 114
 Millersville, MD 21108
 (410) 703-8533 Voice
 waterfrontdesign@verizon.net

in: Nabbs Creek State: Maryland
 co: Anne Arundel at: Altoona Beach
 Application by: Mourgale Morino
 Sheet 7 of 14 Date: August 1, 2015

NOTE: This drawing for permit purpose only. All dimensions must be field verified by Contractor prior to construction.
 Applicant's Signature:



Timber Division

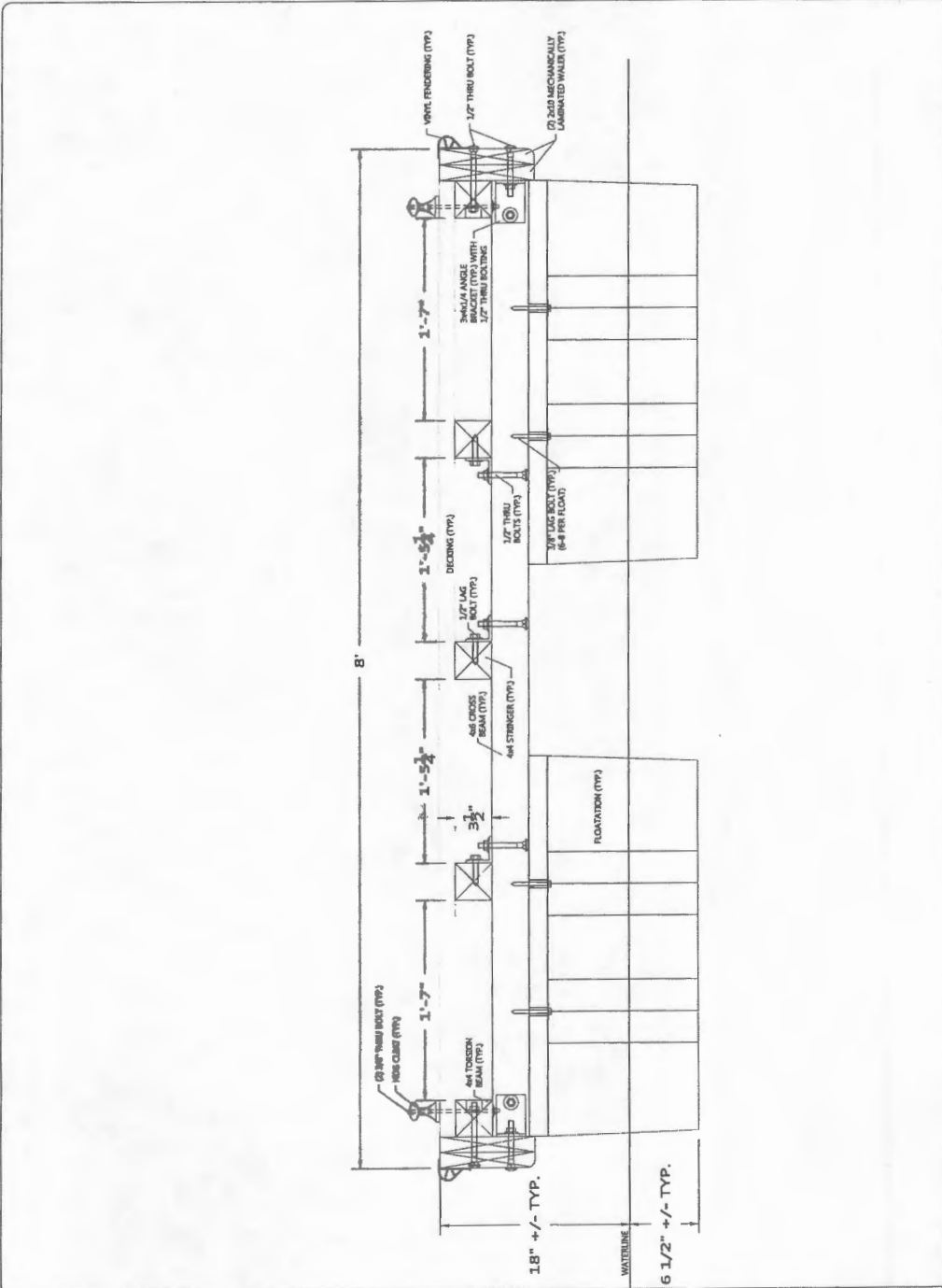
200+ years of experience providing high-quality products to the industry. Our products are made from the finest materials and are built to last. We are proud to serve the marine industry in all 50 states, Canada, and Mexico. For more information, please contact us at 1-800-828-8888.

ANNAPOLIS SAILING SCHOOL
Annapolis, MD
TYPICAL 8' WIDE CROSS SECTION

JOB # PS

Drawn by: T.S.G.
Scale: Not To Scale
Date: April 22, 2014
Mfr: ML-1600000
Sheet: 2 OF 3

NOTES



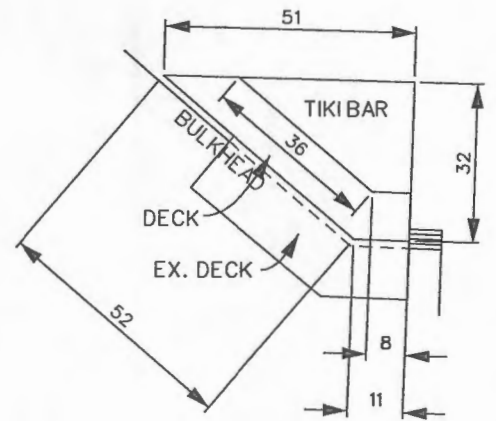
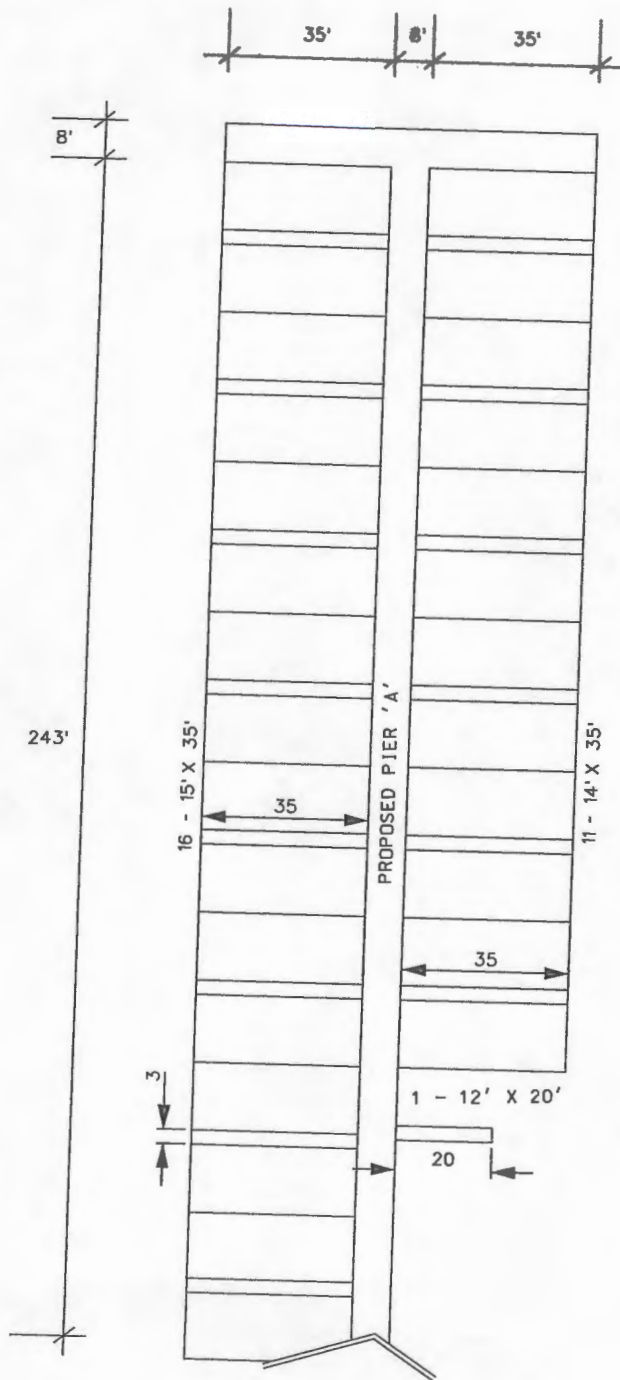
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FLOATING PIER SPECIFICATIONS
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Sheet 8 of 14 Date: August 1, 2015

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Applicant's Signature:



PROPOSED NON-WATER DEPENDENT DECK LAYOUT

SCALE: 1" = 40'

PROPOSED PIER 'A' LAYOUT

SCALE: 1" = 40'

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LAYOUT SHEET

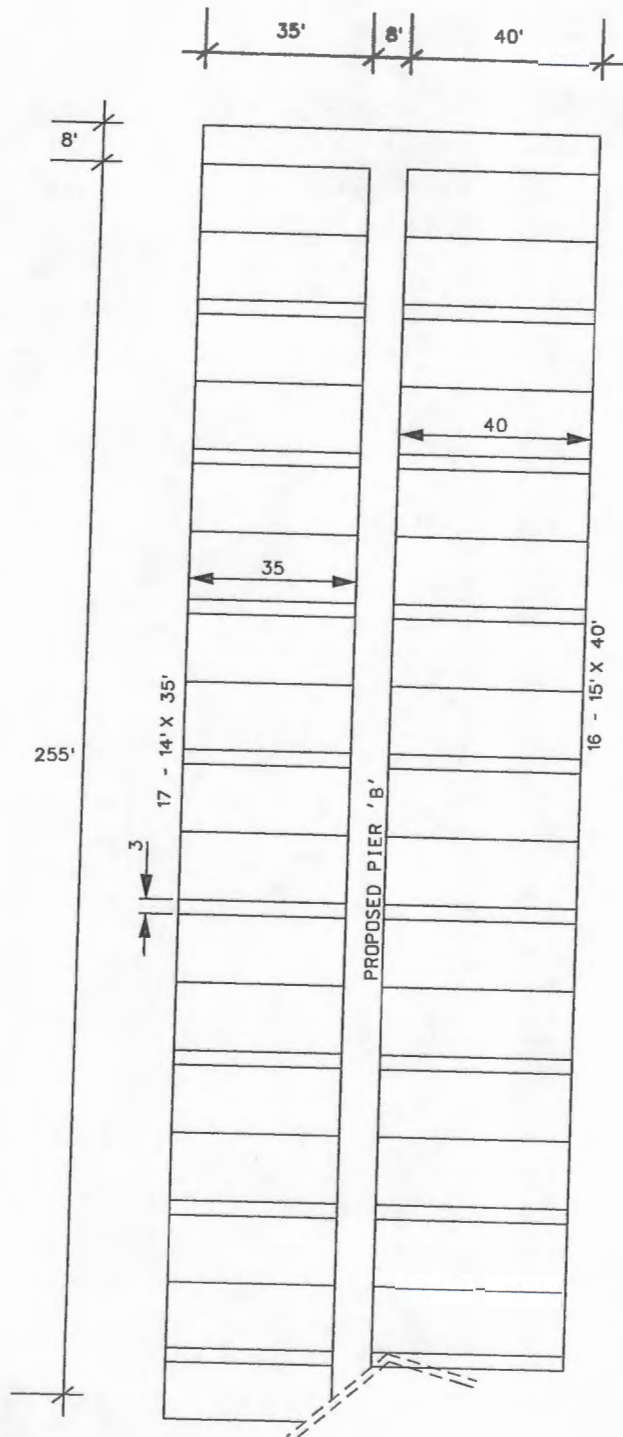
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Sheet 9 of 14 Date: August 1, 2015

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Applicant's Signature:



PROPOSED PIER 'B' LAYOUT
 SCALE: 1" = 40'

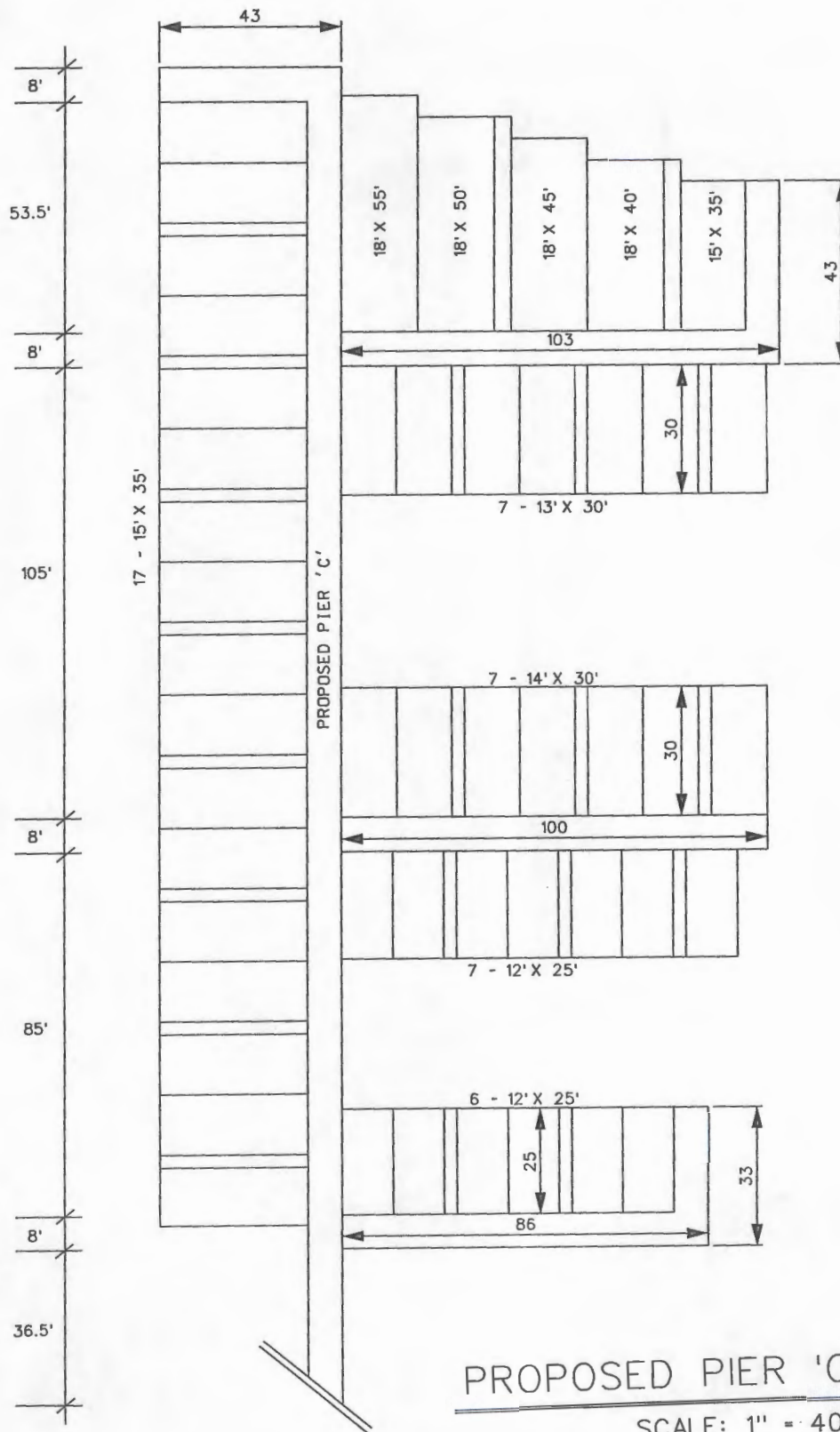
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LAYOUT SHEET
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 Sheet 10 of 14 Date: August 1, 2015

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Applicant's Signature:



PROPOSED PIER 'C' LAYOUT

SCALE: 1" = 40'

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Zoning: MA2
Lot Size: 4.41 Acres

LAYOUT SHEET

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and Construction, Inc.
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co: Anne Arundel at: Altoona Beach
Application by: Maurgale Marina
Sheet 11 of 14 Date: August 1, 2015

NOTE: This drawing for permit purpose only. All dimensions must be field verified by Contractor prior to construction.

Applicant's Signature:

GENERAL NOTES THAT APPLY TO THE SITE PLANS

1. PROPERTY LINES SHOWN HEREON HAVE BEEN TAKEN FROM FIELD EVIDENCE, AND/OR AVAILABLE DEEDS AND PLATS AND SHOULD NOT BE CONSTRUED TO BE REPRESENTATIVE OF THE ACCURACY OF A BOUNDARY SURVEY. THIS IS NOT A BOUNDARY SURVEY! THIS SITE PLAN WAS DEVELOPED WITH OUT THE BENEFIT OF A TITLE SEARCH AND MAY NOT REFLECT ENCUMBRANCES, DEDICATIONS, AND/OR RESTRICTIONS WHICH MAY EXIST AND COULD POTENTIALLY BE REVEALED THROUGH A THOROUGH TITLE EXAMINATION.
2. ALL WORK WILL BE CONDUCTED FROM THE WATER AND WILL BE CONFINED TO THE SUBJECT PROPERTY.
3. CONTRACTOR AND/OR HOMEOWNER IS RESPONSIBLE TO CONTACT MS. UTILITY AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION OR MOBILIZATION. MS. UTILITY IS TO LOCATE ANY UNDERGROUND AND ABOVE GROUND UTILITIES INCLUDING THOSE THAT MAY BE LOCATED IN THE WATER.
4. CONTRACTOR IS RESPONSIBLE FOR THE LOCATION OF ANY PROPOSED STRUCTURES IN RELATION WITH THE PROPERTY CORNERS. NEIGHBORING STRUCTURES SHOWN ON THIS DRAWING AS APPROXIMATE IN LOCATION AND SHOULD NOT BE USED TO LOCATE NEW STRUCTURES. A SURVEY IS REQUIRED TO LOCATE AND NEW OR REPLACEMENT STRUCTURES. THIS SURVEY MUST BE PERFORMED BY A STATE OF MARYLAND LICENSED SURVEYOR.
5. THIS SITE PLAN IS FOR REQUESTING TO MAKE VARIOUS MODIFICATIONS TO AN EXISTING MARINA LOCATED AT 864 NABBS CREEK RD. AS PERMITTED BY AACD PLANNING AND ZONING, THE MARYLAND DEPARTMENT OF THE ENVIRONMENT AND THE ARMY CORPS OF ENGINEERS. ANY CHANGE TO THESE PLANS WILL REQUIRE SEPARATE LICENSE/PERMIT FROM ANNE ARUNDEL CO., THE MARYLAND DEPARTMENT OF THE ENVIRONMENT AND THE CORPS OF ENGINEERS. THIS WILL REQUIRE MORE DETAIL AND INFORMATION AND THIS DRAWING SHALL NOT BE UTILIZED FOR SUCH LICENSES.
6. THIS PLAN IS EXCLUSIVE TO THE MAURGALE MARINA PROPERTY ONLY AND IS NOT TO BE UTILIZED FOR ANY OTHER PROPERTY. THIS DRAWING IS THE PROPERTY OF WATERFRONT ENGINEERING, DESIGN AND CONSTRUCTION, INC. ILLEGAL USE OF THIS DRAWING FOR ANY OTHER PURPOSE OTHER THAN MODIFICATIONS TO THE MAURGALE MARINA PROPERTY, WILL BE PROSECUTED BY THE WATERFRONT ENGINEERING, DESIGN AND CONSTRUCTION, INC. FOR THEFT OF INTELLECTUAL PROPERTY.

MARINA DATA

TOTAL LOT SIZE = 4.41 ACRES
 CRITICAL AREA DESIGNATION = LDA
 ZONING = MA2
 DISTURBED AREA = 813 SF

PARKING DATA:

EXISTING CAR PARKING = 129 SPACES (5 HANDICAP)
 EXISTING TRAILER PARKING = 0 SPACES
 REQUIRED CAR PARKING FOR MARINA = 57 SPACES
 REQUIRED TRAILER PARKING = 0 SPACES

SLIP DATA:

EXISTING SLIPS = 148 SLIPS
 PROPOSED SLIPS = 114 SLIPS
 TOTAL FINAL SLIPS = 114 SLIPS

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 Parcel: 36
 Deed Ref: 22190/9
 Plat Ref: 17/21
 Zoning: MA2
 Lot Size: 4.41 Acres

**MARINA NOTES
AND DATA**

Waterfront Engineering, Design
and Construction, Inc.
303 Najoles Rd. St. 114
Millersville, MD 21108
(410) 703-8533 Voice
waterfrontdesign@verizon.net

PROPOSED:

Reconfigure marina.

in: Nabbs Creek State: Maryland
 co: Anne Arundel at: Altoona Beach
 Application by: Murgale Marina
 Sheet 12 of 14 Date: August 1, 2015

NOTE: This drawing for permit purpose only. All dimensions must be field verified by Contractor prior to construction.

Applicant's Signature:

SITE DATA

SITE DATA:

TOTAL LOT SIZE = 4.41 AC
 CRITICAL AREA DESIGNATION = LDA
 ZONING = MA2
 DISTURBED AREA = 813 SF












IMPERVIOUS DATA:

DRIVE/WALKS/PARKING = 110,473 SF
 RESTUARANT = 2394 SF
 SHOP BUILDING/MARINA OFFICE = 3793 SF
 TIKI BAR/SNOW BALL STAND = 363 SF
 CLUBHOUSE = 345 SF
 HOUSE = 921 SF
 TOTAL EXISTING IMPERVIOUS = 121,561 SF
 IMPERVIOUS CREATED = 0 SF
 FINAL IMPERVIOUS = 121,561 SF OR 63.3%

WOODLANDS DATA:

EXISTING WOODLANDS = 35,502 SF
 EXISTING PHRAGMITES = 0 SF
 WOODLANDS/MARSH REMOVED = 00 SF
 REFORESTATION REQ. BASED ON LOD = 813 SF
 MITIGATION FEE = \$1.50 X 813 = \$1,219.50
 INSPECTION FEE = \$1,219.50 X 0.07 = \$85.37
 TOTAL FEE = \$1,304.87

LEGEND

EXISTING CONTOUR	
PROPOSED CONTOUR	
EX. MEAN LOW WATER (MLW)	
EX. MEAN HIGH WATER (MHW)	
EXISTING MARSH GRASSES.....	
EXISTING TREE LINE	
PROPERTY LINE	
LIMIT OF DISTURBANCE	
FEMA FLOOD PLANE	
100' TIDAL BUFFER	
EXISTING RIP-RAP	

GENERAL NOTES

1. ZONING: MA2
2. LOT SETBACKS: FRONT: N/A
REAR: N/A
SIDE: N/A
3. PREDOMINANT SOIL TYPE: SMF - SASSAFRAS AND CROOM SOIL, SOIL GROUP 'C'
4. TOTAL SF OF SITE: 4.41 ACRES.
5. PROPOSED DISTURBED AREA: 813 SF
6. A. A. COUNTY TOPO SHEET: N05
7. F.E.M.A. RATE MAP: 24003C0066F ZONE AE, EL. 6.0
8. THIS LOT IS IN THE 100 YEAR FLOOD AREA A BUFFER MODIFIED AREA.
9. ELEVATIONS SHOWN ON THIS PLAN WERE OBTAINED FROM THE ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS AND WERE FIELD VERIFIED ON JULY 01, 2015 FOR THE PURPOSE OF PREPARING THIS PLAN. ELEVATIONS SHOWN ARE TIED INTO COUNTY MONUMENTS AND TH DATUM OF 0.0 FEET IS EQUAL TO MEAN LOW WATER. ANY CONTRACTOR SHALL FIELD VERIFY TO THEIR SATISFACTION QUANTITIES BEFORE BIDDING THE WORK SHOWN AND BEFORE CONDUCTING ANY PROPOSED WORK. WATERFRONT ENGINEERING, DESIGN AND CONSTRUCTION INC. IS NOT RESPONSIBLE FOR COST/QUANTITY OVERAGES.
10. BOUNDARY INFORMATION OBTAINED FROM AVAILABLE DEEDS AND PLATS. (PARCEL 36, TAX MAP 11), PLAT OF ALTOONA BEACH, PLAT NO. N/A, PLAT BOOK 17, PAGE 21, AND PROPERTY DEEDS BOOK 22190, PAGE 9.
11. PUBLIC SEWER, PUBLIC WATER.
12. SITE IS IN THE PATAPSCO RIVER WATERSHED.
13. SITE IS DESIGNATED AS LDA BY THE CRITICAL AREA COMMISSION.

Tax Account Number:
3020-0834-9670
 Tax Map: 11
 Parcel: 36
 Deed Ref: 22190/9
 Plat Ref: 17/21
 Zoning: MA2
 Lot Size: 4.41 Acres

NOTES/DATA SHEET

Waterfront Engineering, Design and Construction, Inc.
 303 Najoles Rd. St. 114
 Millersville, MD 21108
 (410) 703-8533 Voice
 waterfrontdesign@verizon.net

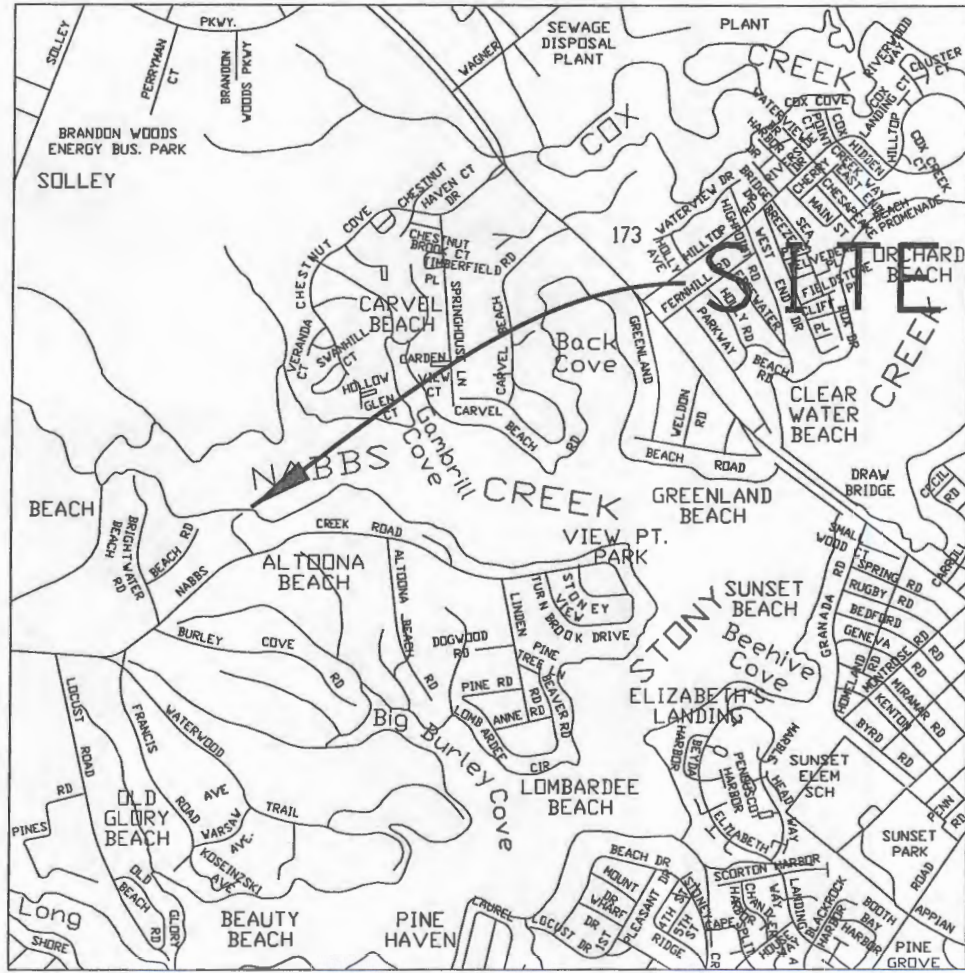
PROPOSED:
 Reconfigure marina.

in: Nabbs Creek State: Maryland
 co: Anne Arundel at: Altoona Beach
 Application by: Maurgale Marina
 Sheet 13 of 14 Date: August 1, 2015

NOTE: This drawing for permit purpose only. All dimensions must be field verified by Contractor prior to construction.

Applicant's Signature:

VICINITY MAP 1" = 2000'



Tax Account Number:
3020-0834-9670
Tax Map: 11
Parcel: 36
Deed Ref: 22190/9
Plat Ref: 17/21
Zoning: MA2
Lot Size: 4.41 Acres

MAD 1983

MAP SHEET

Waterfront Engineering, Design
and Construction, Inc.
303 Najoles Rd. St. 114
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PROPOSED:
Reconfigure marina.

in: Nabbs Creek State: Maryland
co: Anne Arundel at: Altoona Beach
Application by: Maurgale Marina
Sheet 14 of 14 Date: August 1, 2015

NOTE: This drawing for permit purpose only. All dimensions must be field verified by Contractor prior to construction.

Applicant's Signature:

NABBS CREEK



FREDERICK BOSE
866 NABBS CREEK RD.
GLEN BURNIE, MD 21060
TM 11, PARCEL 36,
LOT 48

APPLICANT:
JEROME J. PARKS COMPANIES
9 STATE CIRCLE - ST. 200
ANNAPOLIS, MD 21401

SITE INFORMATION:
864 NABBS CREEK RD.
GLEN BURNIE, MD 21060
TM 11, PARCEL 36
LOTS 49 - 57, PT. OF LT. 5
4.41 ACRES

RICHARD WEBB
846 NABBS CREEK RD.
GLEN BURNIE, MD 21060
TM 11, PARCEL 35



Tax Account Number:
3020-0834-9670
Tax Map: 11
Parcel: 36
Deed Ref: 22190/9
Plat Ref: 17/21
Zoning: MA2
Lot Size: 4.41 Acres

OVERALL SITE PLAN
SCALE: 1:100
Waterfront Engineering, Design
and Construction, Inc.
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PROPOSED:
Reconfigure marina.
in: Nabbs Creek State: Maryland
co: Anne Arundel at: Altoona Beach
Application by: Maurgale Marina
Sheet 1 of 14 Date: August 1, 2015

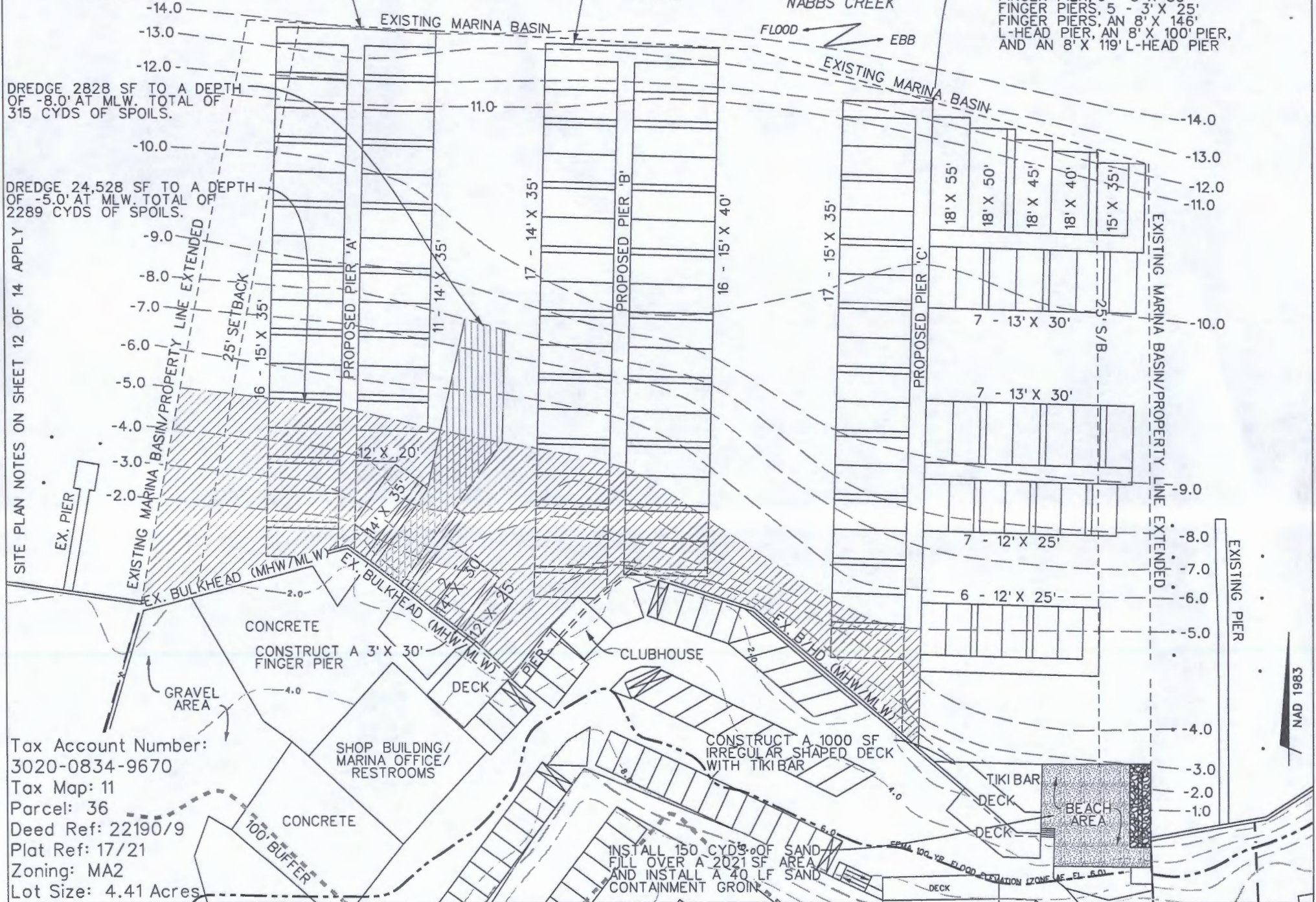
NOTE: This drawing for permit purpose only. All dimensions must be field verified by Contractor prior to construction.
Applicant's Signature:

CONSTRUCT AN 8' X 251' PIER WHICH INCLUDES 14 - 3' X 35' FINGER PIERS, 1 - 3' X 20' FINGER PIER AND AN 8' X 78' T-HEAD

SITE PLAN
SCALE: 1:60
SHEET 2 OF 14

CONSTRUCT AN 8' X 263' PIER WHICH INCLUDES 8 - 3' X 35' FINGER PIERS, 8 - 3' X 40' FINGER PIER AND AN 8' X 83' T-HEAD

CONSTRUCT AN 8' X 312' PIER WHICH INCLUDES 8 - 3' X 35' FINGER PIERS, 1 - 3' X 50' FINGER PIER, 1 - 3' X 40' FINGER PIER, 6 - 3' X 30' FINGER PIERS, 5 - 3' X 25' FINGER PIERS, AN 8' X 146' L-HEAD PIER, AN 8' X 100' PIER, AND AN 8' X 119' L-HEAD PIER



DREDGE 2828 SF TO A DEPTH OF -8.0' AT MLW. TOTAL OF 315 CYDS OF SPOILS.

DREDGE 24,528 SF TO A DEPTH OF -5.0' AT MLW. TOTAL OF 2289 CYDS OF SPOILS.

SITE PLAN NOTES ON SHEET 12 OF 14 APPLY

Tax Account Number:
3020-0834-9670
Tax Map: 11
Parcel: 36
Deed Ref: 22190/9
Plat Ref: 17/21
Zoning: MA2
Lot Size: 4.41 Acres

INSTALL 150 CYDS OF SAND FILL OVER A 2021 SF AREA AND INSTALL A 40 LF SAND CONTAINMENT GROIN

NAD 1983