

**CALIFORNIA COASTAL COMMISSION**

South Coast Area Office  
200 Oceangate, Suite 1000  
Long Beach, CA 90802-4302  
(562) 590-5071



**F11h**

**5-18-0976 (SILVERS)**

**JUNE 14, 2019**

**EXHIBITS**

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**Exhibit No. 1 – Location Map**

**Exhibit No. 2 – Site Plan**

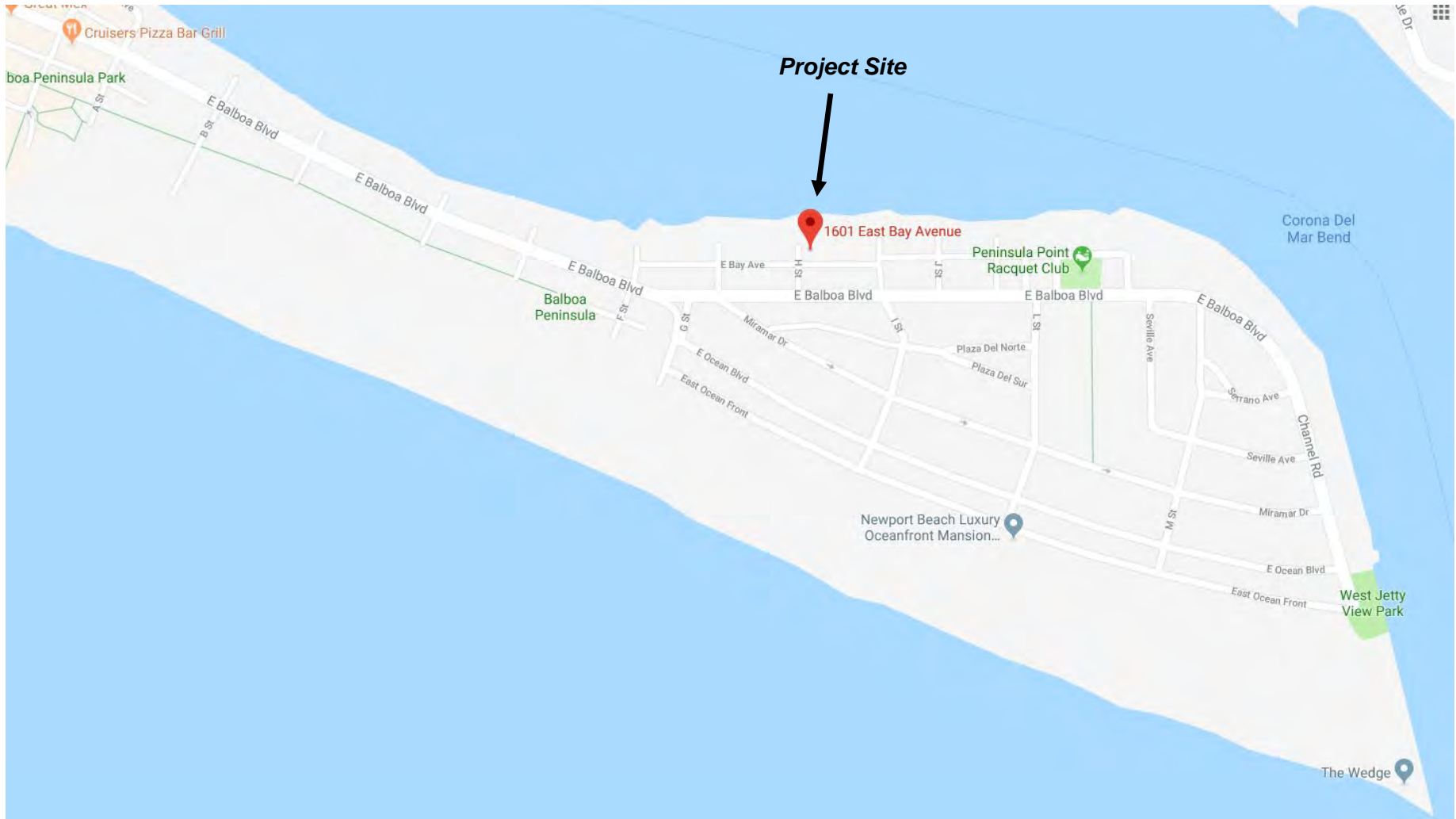
**Exhibit No. 3 – Page 7 of the City of Newport Beach Harbor Design Criteria Guidelines and Standards**

**Exhibit No. 4 – Changes to the project to be consistent with the City of Newport Beach Harbor Design Criteria Guidelines and Standards**

**Exhibit No. 5 – Site Plan indicating Eelgrass Impacts**

**Exhibit No. 6 – Email from City of Newport Beach to Swift Slip Pier & Dock Builders, Inc. dated March 11, 2019**

**Exhibit No. 7 -- Letter from PMA Consulting, Inc. to Swift Slip Dock & Pier Builders, Inc. dated February 13, 2019**





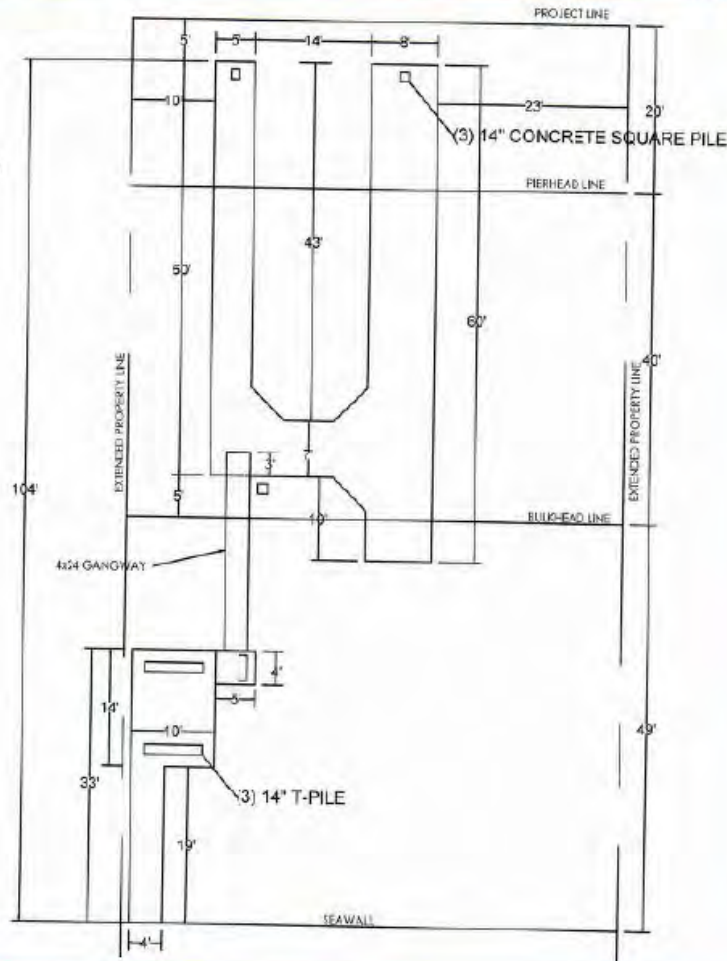
SWIFT SLIP DOCK & PIER BUILDERS, INC

6351 Industry Way, Westminster 92683  
 Phone: (949) 631-3121  
 Fax: (714) 509-0618

CLIENT	CRAIG SILVERS	IO	-	1.0	8/14/18	AMENDMENTS:			
		DRAWN	Checked	REVISION	DATE	REV:	DESCRIPTION	BY:	DATE:
SITE	1601 EAST BAY AVE, NB, CA					-	-	-	-
						-	-	-	-
						-	-	-	-

PROPOSED

DOCK AREA: 810FT<sup>2</sup>  
 5X50=250FT<sup>2</sup>  
 8X60=480FT<sup>2</sup>  
 7X14=98FT<sup>2</sup>  
 4X4=16/2=8(3)=24FT<sup>2</sup>  
 GANGWAY: 96FT<sup>2</sup>  
 4X24=96FT<sup>2</sup>  
 PER: 236FT<sup>2</sup>  
 14X10=140FT<sup>2</sup>  
 4X5=20FT<sup>2</sup>  
 4X19=76FT<sup>2</sup>  
 TOTAL AREA: 1134FT<sup>2</sup>



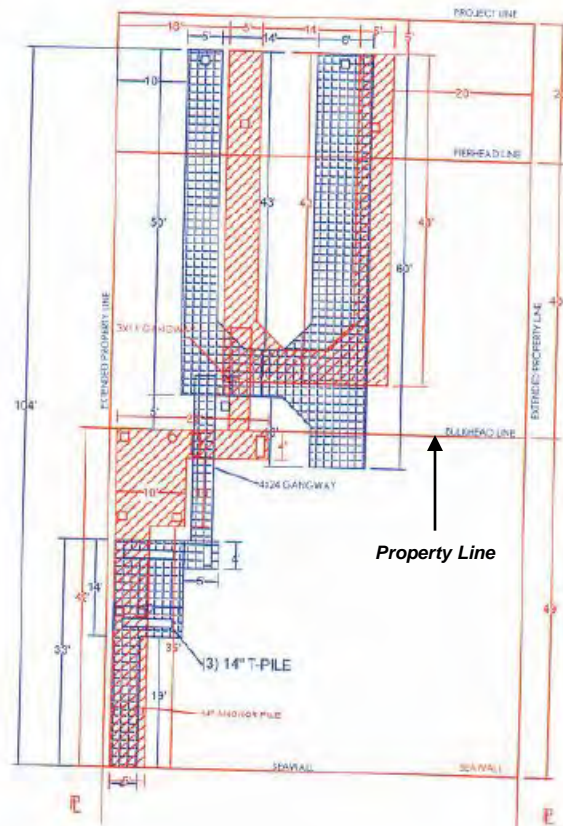


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CLIENT:	CRAIG SILVERS	10	---	1.0	12/13/18	AMENDMENTS:			
		DRAWN:	Checked	REVISION	DATE	REV.	DESCRIPTION:	BY:	DATE
SITE:	1601 EAST BAY AVE. NB, CA					---		---	---
						---		---	---

PROPOSED/EXISTING



c. Finger and Walkway Widths:

- (1) Minimum finger widths for recreational commercial and residential docks shall be per Table No. 1.
- (2) Fillets at the connection of walkways to fingers shall not have less than a 4-foot side.
- (3) Outer end (end tie) and side-tie fingers shall be a minimum of one foot wider than the minimal widths for all other adjacent finger docks.
- (4) Residential Headwalks and Mainwalks:
  - (a) Minimum residential headwalk widths shall be no less than 6 feet for dock lengths up to 80 feet in total length, and 8 feet wide for dock lengths of more than 80 feet.
- (5) Commercial Headwalks and Mainwalks:
  - (a) Minimum widths shall be no less than 8 feet wide. If use of a walkway is for staging the public while waiting to board a vessel, the minimum dock width shall be 12 feet.
  - (b) At gangways, a minimum of 6 feet of walking surface shall be maintained in front of the furthestmost gangway projection (including toe plate) at high tide, and have a minimum of 4 feet of clear space to walk along the side of any gangway for access to berthed vessels.

**Table No. 1**  
**Minimum Finger Widths**

Fingerfloat Width (Feet)	Length of Berth (Feet)
F = 5.0'	All ADA Accessible Fingerfloats
F = 3.0'	Up to 35'
F = 4.0'	36' to 55'
F = 5.0'	56' to 70'
F = 6.0' <sup>(1)</sup>	71' to 84'
F = 8.0' <sup>(1)</sup>	85' and over

<sup>(1)</sup> Widths of more than that shown in this Figure may be necessary for specific site conditions and/or uses of fingers over 70 feet.

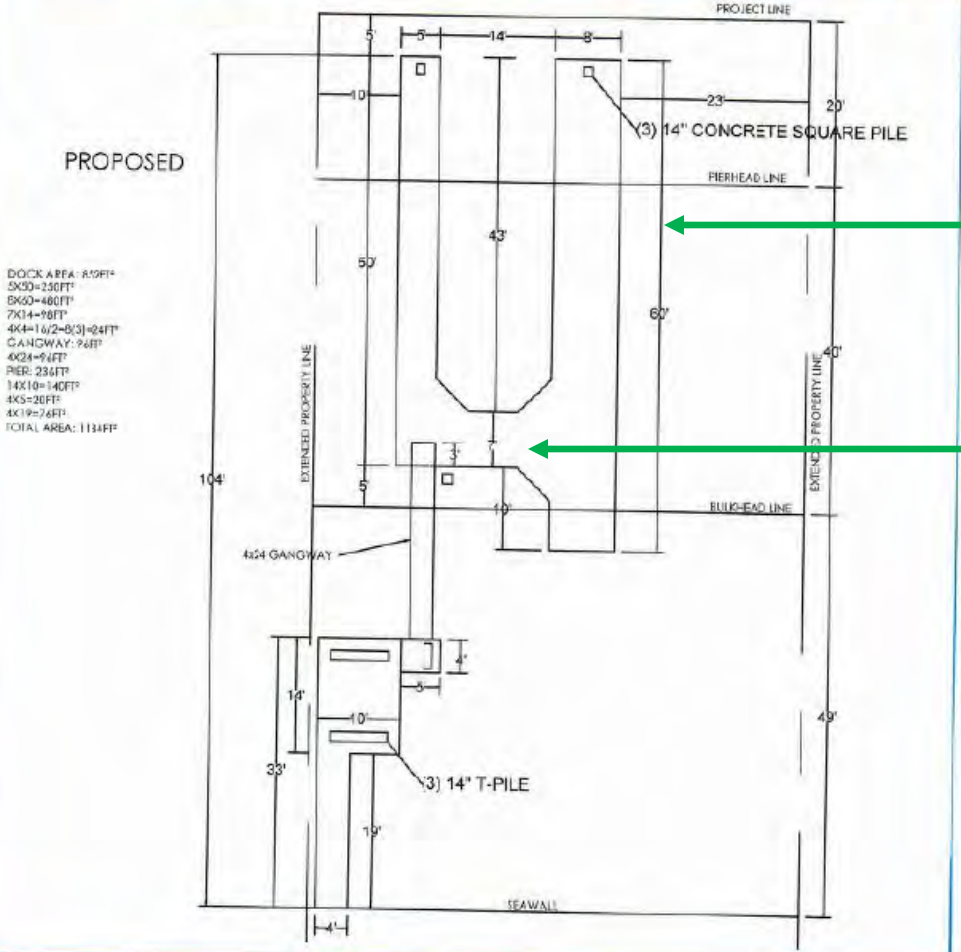
<sup>(2)</sup> Minimum 5'-0" widths are required for the entire path of travel for ADA access, including paths along main- and headwalks.



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SITE	1601 EAST BAY AVE. NB, CA					-	-	-	-
						-	-	-	-



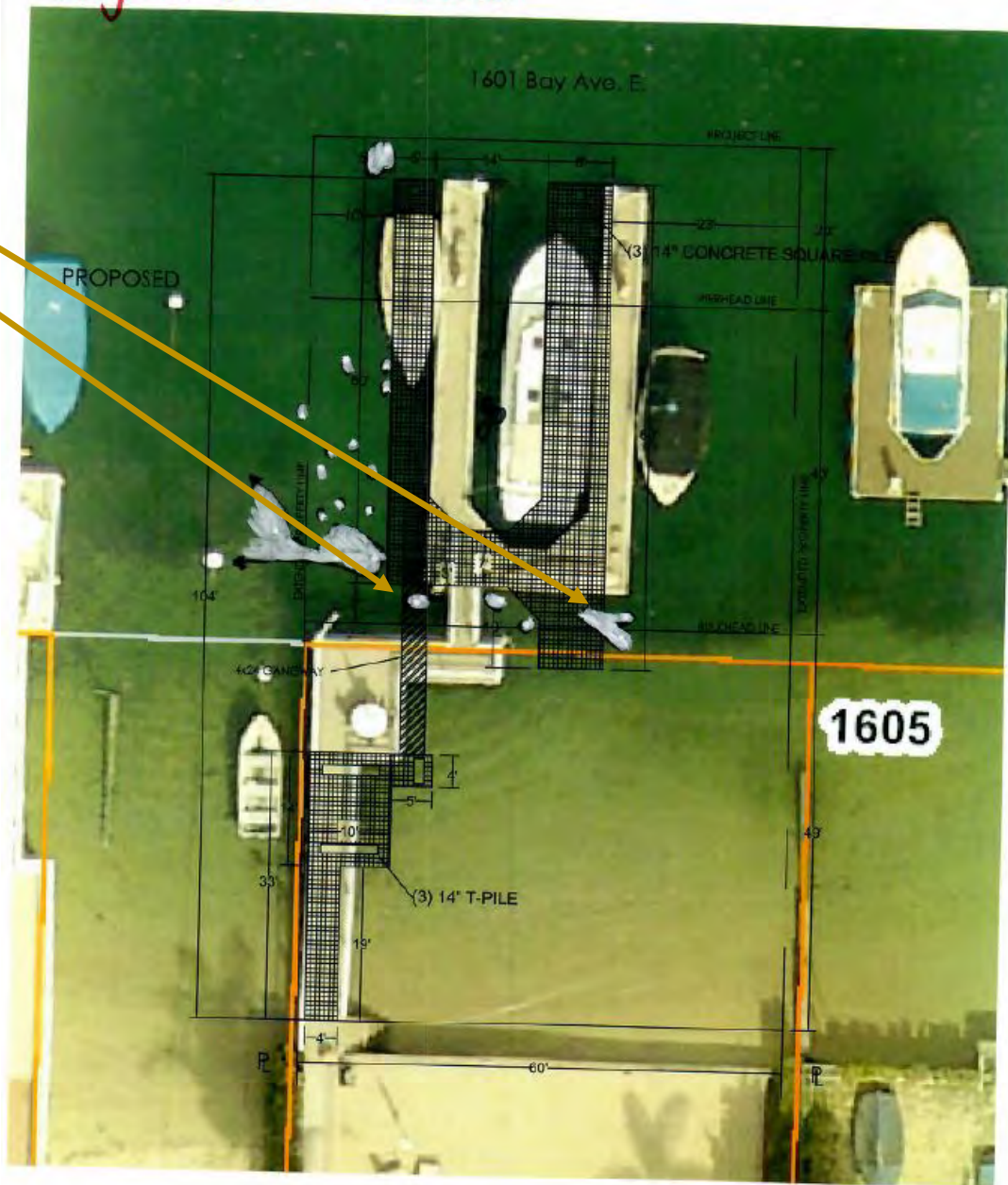
DOCK AREA: 819FF  
 SK50=250FF  
 SK60=480FF  
 7X14=98FF  
 4K4=10/2-8(3)=24FF  
 GANGWAY: 96FF  
 4X24=94FF  
 PIER: 236FF  
 14X10=140FF  
 4K5=20FF  
 4X19=76FF  
 TOTAL AREA: 1134FF

*Proposed 8-foot wide finger should be reduced to 5-foot wide*

*Proposed 7-foot wide headwalk should be reduced to 6-foot wide*

*Eelgrass shown in white*

*Eelgrass shading impacts*



## Jacquelyn Chung

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**From:** Miller, Chris [CMiller@newportbeachca.gov]  
**Sent:** Monday, March 11, 2019 3:08 PM  
**To:** 'Jacquelyn Chung'  
**Subject:** Finger Float Specifications in Newport Harbor

Jacquelyn,

I am responding to our recent conversation regarding minimum finger float widths in Newport Harbor with respect to Table No. 1 on page 8, Section A(2)(c)(5)(b) of the City's Waterfront Project Guidelines and Standards, Harbor Design Criteria, Commercial and Residential Facilities ("Harbor Design Standards").

The purpose of this table is to provide minimum dimensions, and is not to be considered absolute. Loading calculations with respect to wind, wave, dead load, live load as well as vessel size, shape and length must be considered when finalizing the specific design at each location in the harbor. Therefore, wider fingers may be necessary depending on the intended use and as accounted for by the engineer.

I hope this explanation helps.

Thank you,

Chris Miller  
Public Works  
Administrative Manager  
(949) 644-3043



February 13, 2019

Jacquelyn Chung  
Director, Permits Division  
Swift Slip Dock & Pier Builders, Inc.  
6351 Industry Way  
Westminster, CA 92683

**RE: MINIMUM FINGERS WIDTHS**

1601 East Bay Avenue; Location  
City of Newport Beach, County of Orange

Dear Mrs. Chung,

PMA Consulting, Inc. is pleased to provide this letter regarding minimum finger widths required by the Harbor Design Criteria Guidelines and Standards of City of Newport Beach.

**STATEMENT OF THE PREPARER'S QUALIFICATIONS**

Plamen Petrov, P.E., the preparer of this report, holds a Master of Science in Structural Engineering from University of Architecture, Structural Engineering & Geodesy of Sofia, Bulgaria, and is a Licensed Civil Engineer by the State of California Certificate No. C66947. For the last 19 years of his professional career he has been actively involved in the design and entitlement of many Waterfront Developments such as custom homes, seawalls, piers, platforms, floating docks and marinas. A great number of Bulkhead Condition Reports and Coastal Hazards Analysis Reports prepared by him have been reviewed and accepted/approved by California Coastal Commission.

All the above being said, Plamen Petrov, P.E. shall be considered a qualified preparer for this letter.

To the best of my knowledge in this matter, the minimum finger widths required by the Harbor Design Criteria Guidelines and Standards of City of Newport Beach are based on accessibility requirements only. As noted in Footnote (1) under Table No.1 of the Guidelines and Standards, widths of more than what shown in Table No.1 may be necessary for specific site conditions. For this site the specific condition is the size of boats to be accommodated by the fingers. To be able to accommodate the large boats, the fingers either have to have a number of intermediate guide piles along their lengths, which increases the points of penetrations into the ocean bed, or they shall be significantly wider than the minimum required width. The width of the fingers is in direct correlation with their flexural capacity to resist lateral forces induced by the boats berthing on them, due to the Total Environmental Load which consists of Wind + Wave + Current Loads.

In my opinion it is prudent that the float fingers on this project be wider than the minimum required widths.

The above opinion was rendered based on experience in floating docks design, and within the inherent limitations of this study, in accordance with generally acceptable engineering principles and practices. We make no further warranty, either expressed or implied.

PMA Consulting, Inc. appreciates the opportunity to work with you towards the successful completion of your project. Should you have any questions regarding this report, please contact us.

Respectfully submitted,



Plamen Petrov, P.E.  
Principal