

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
COASTAL RESOURCES MANAGEMENT COUNCIL

Oliver Stedman Government Center  
4808 Tower Hill Road, Wakefield, RI 02879

PUBLIC NOTICE

File Number: 2007-12-022 Date: June 3, 2008

This office has under consideration the application of:

Susan & Steven Eckel  
615 South Fith Street  
Perkasie, PA 18944

for a State of Rhode Island Assent to construct and maintain: a residential boating facility consisting of a 4' wide by 114 +/- foot long fixed timber pier that leads to a ramp that leads to a 150 square foot terminal float. The proposed facility is to extend 50 +/- feet seaward of the cited Mean Low Water mark. The most seaward portion of the fixed pier is supported by a rock-filled crib.

Project Location:	465C Middlebridge Road
City/Town:	South Kingstown
Plat/Lot:	43-1 / 8
Waterway:	Narrow River

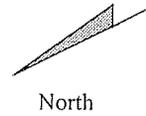
Plans of the proposed work may be seen at the CRMC office in Wakefield.

In accordance with the Administrative Procedures Act (Chapter 42-35 of the Rhode Island General Laws) you may request a hearing on this matter.

You are advised that if you have good reason to enter protests against the proposed work it is your privilege to do so. It is expected that objectors will review the application and plans thoroughly, visit site of proposed work if necessary, to familiarize themselves with the conditions and cite what law or laws, if any, would in their opinion be violated by the work proposed.

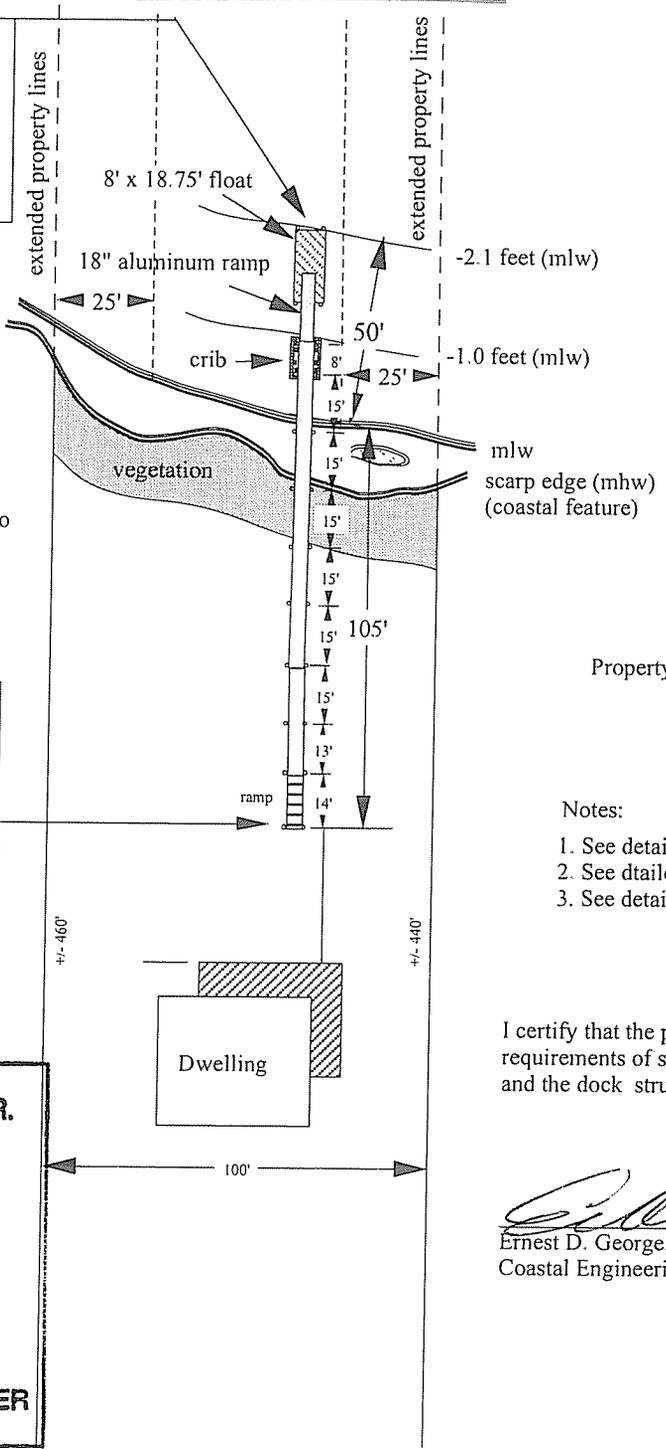
If you desire to protest, you must attend the scheduled hearing and give sworn testimony. A notice of the time and place of such hearing will be furnished you as soon as possible after receipt of your request for hearing. If you desire to request a hearing, to receive consideration, it should be in writing and be received at this office on or before July 3, 2008.

**RECEIVED**  
**JUN 2 - 2008**  
 COASTAL RESOURCES MANAGEMENT COUNCIL



End of dock coordinates  
 latitude 41.27.5489  
 longitude 71.27.0285  
 northingy 71435.708  
 eastingx 391171.483

Start of dock coordinates  
 latitude 41.27.5547  
 longitude 71.27.0434  
 northingy 71465.284  
 eastingx 391103.147



LOT 10  
 Property of Helen Dionato

LOT 7  
 Property of William and Carol Corrao

- Notes:
1. See detailed crib cross section
  2. See detailed dock section
  3. See detailed dock longitudinal section

I certify that the plans submitted for this dock meet the requirements of section 300 of the CRMC redbook and the dock structurally satisfies all code requirements

*Ernest D. George, Jr.*  
 Ernest D. George, Jr. P.E.  
 Coastal Engineering Group, Inc.

**ERNEST D. GEORGE, JR.**

**REGISTERED PROFESSIONAL ENGINEER**

PROPERTY OF:  
 COASTAL ENGINEERING GROUP, INC.  
 ERNEST D. GEORGE, JR. P.E.  
 PO BOX 5245 WAKEFIELD, RI 02879

SCALE: 1"= 50'  
 DATE: Dec 2007  
 REVISIONS: 6-2-08  
 SHEET 1 OF 6

**PROPOSED Dock Plan for:**  
 Susan and Steven Eckel  
 465C Middlebridge Rd. (Map 43-1 Lot 8)  
 South Kingstown, Rhode Island  
 SITE PLAN

RECEIVED

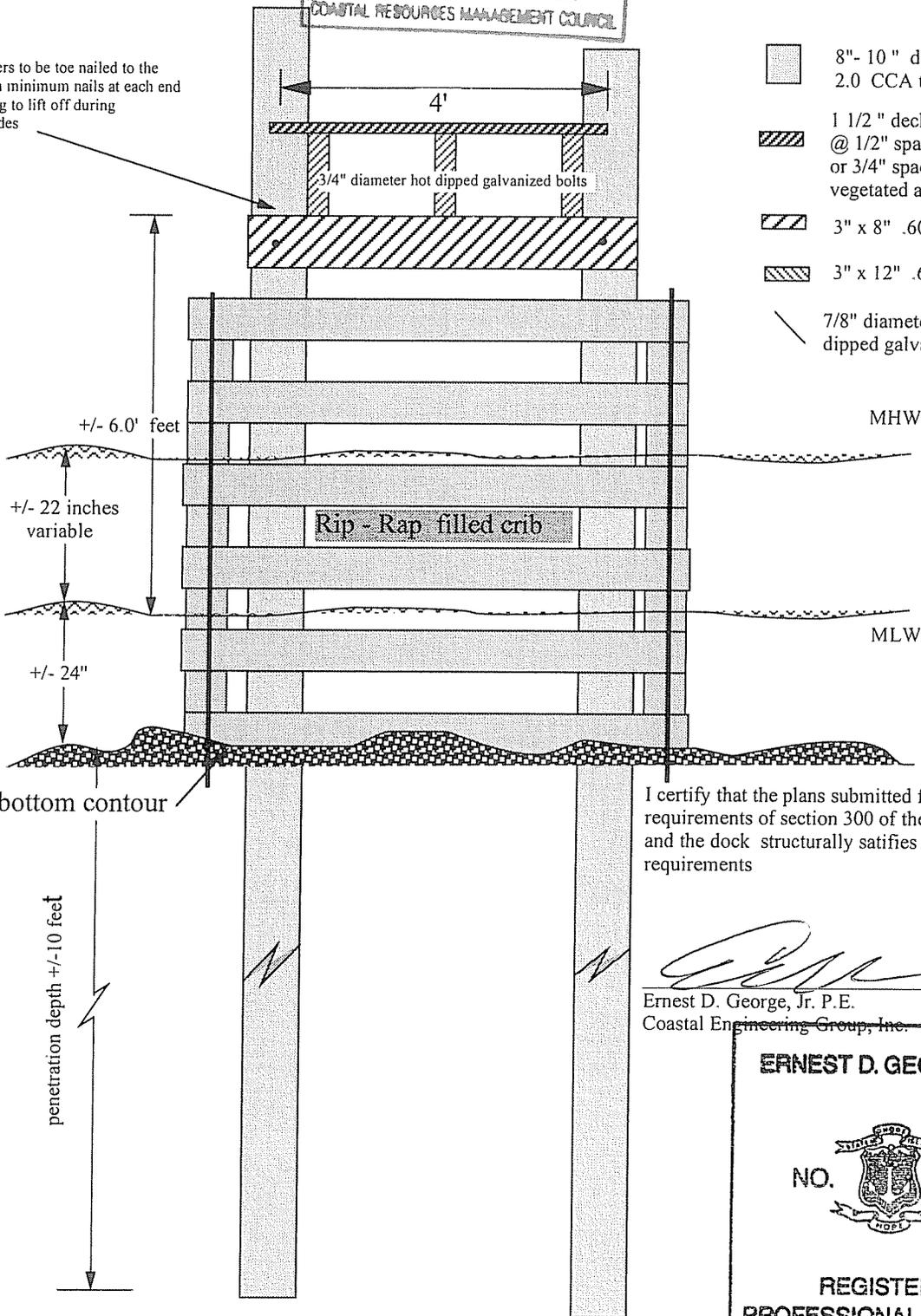
JUN 2 - 2008

COASTAL RESOURCES MANAGEMENT COUNCIL

decking stringers to be toe nailed to the piling caps with minimum nails at each end to allow decking to lift off during extreme high tides

Legend

-  6" x 6" cross section  
2.0 CCA treated
-  8"- 10" diameter pilings  
2.0 CCA treated
-  1 1/2" decking mahogany  
@ 1/2" spacing  
or 3/4" spacing over  
vegetated areas
-  3" x 8" .60 CCA treated
-  3" x 12" .60 CCA treated
-  7/8" diameter threaded hot  
dipped galvanized rods with nuts



I certify that the plans submitted for this dock meet the requirements of section 300 of the CRMC redbook and the dock structurally satisfies all code requirements

*[Signature]*  
Ernest D. George, Jr. P.E.  
Coastal Engineering Group, Inc.

**ERNEST D. GEORGE, JR.**



NO. 3788

**REGISTERED  
PROFESSIONAL ENGINEER**

PROPERTY OF:  
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SCALE: 1" = 2'  
DATE: Dec. 2007  
REVISIONS: 6-2-08  
SHEET 2 OF 6

PROPOSED Dock Plan for:  
Susan and Steven Eckel  
465C Middlebridge Rd. (Map 43-1 Lot 8)  
South Kingstown, Rhode Island  
CROSS SECTION PLAN

# FLOATING DOCK CONSTRUCTION SPECIFICATION

RECEIVED

JUN 2 - 2008

COASTAL RESOURCES MANAGEMENT COUNCIL

## DESIGN DATA

THE DESIGN LIVE LOAD FOR THE FLOAT IS 20 PSF  
 DOCK AREA IS +/- 150 SQ. FT.  
 150 SQ. FT. x 20 PSF = 3000 LBS. LIVE LOAD  
 150 SQ. FT. x 10 PSF = 1500 LBS. DEAD LOAD

POLYSTYRENE FILLED POLYETHYLENE CASINGS (CLOSED CELLS)

## FOLLANSBEE DOCK SYSTEMS FLOATS

FOR 8.0 FEET X 18.75 FEET FLOAT  
 USE MINIMUM 3 PF-CT 2X4 POLY-FLOATS (1,816 LBS. SUPPORT PER FLOAT)  
 Dead load of float is 10 psf x 150 sq. ft. = 1,500 pounds  
 fully loaded float is 20 psf + 10 psf = 30 psf- therefore  
 Total loaded float weight is = 4,500 pounds

MINIMUM 10 1/4" X 10 1/4" X 1/4"  
 BRACKETS TYPICAL

## LEGEND

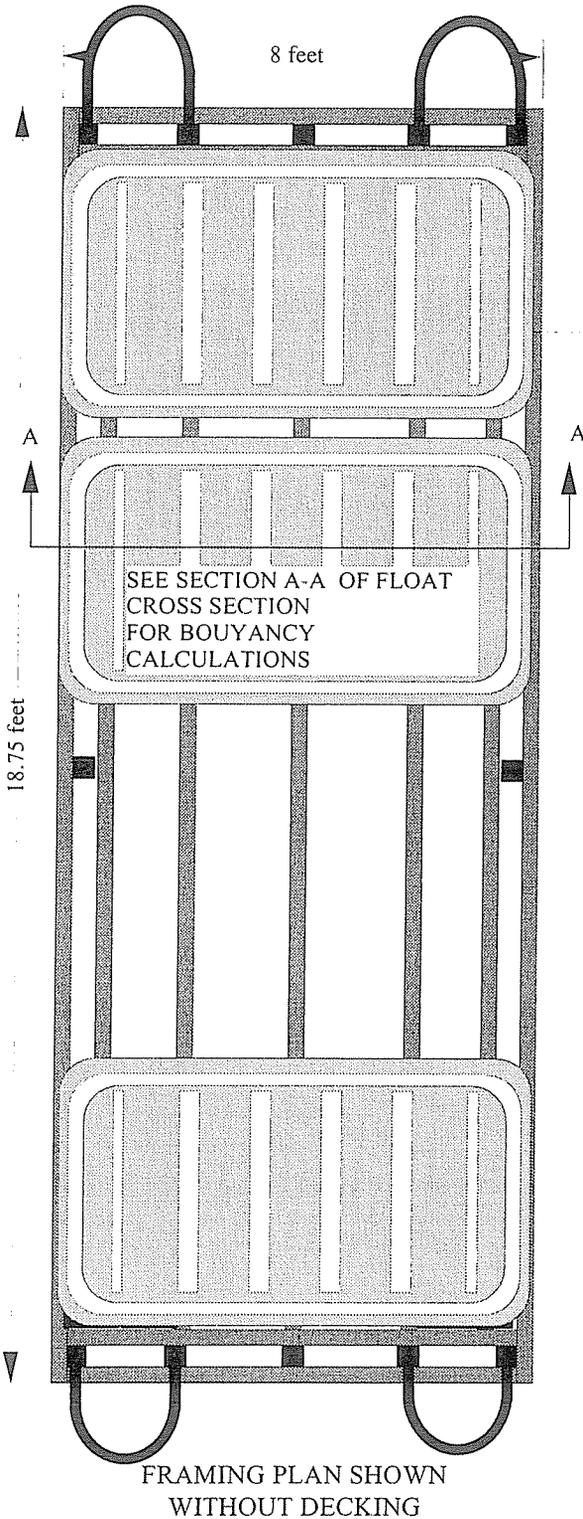
-  = 4" X 4" POSTS
-  = 3" X 10" MEMBERS
-  = 6" X 1.25" DECKING  
OR 8" X 2"  
OR 10" X 2"
-  = 10 1/4" x 10 1/4" x 1/4"  
STEEL CORNER PLATES -  
HOT DIPPED GALVANIZED

## NOTES

ALL LUMBER IS  
 STRUCTURAL GRADE  
 DOUGLAS FIR AND 1.0 LBS.  
 CCA TREATED

FRAMING MEMBERS TO BE  
 BOLTED OR SCREWED  
 USING 5/8" OR 3/4"  
 DIAMETER HOT DIPPED  
 GALVANIZED OR CHECK  
 WITH DESIGNER

  
**ERNEST D. GEORGE, JR.**  
 NO.  3788  
**REGISTERED  
 PROFESSIONAL ENGINEER**



FRAMING PLAN SHOWN  
 WITHOUT DECKING

PROPERTY OF:  
 COASTAL ENGINEERING GROUP, INC.  
 ERNEST D. GEORGE, JR. P.E.  
 PO BOX 5245 WAKEFIELD, RI 02879

SCALE: N/A  
 DATE: December 2007  
 REVISIONS: 6-2-08  
 SHEET 3 OF 6

PROPOSED Dock Plan for:  
 Susan and Steven Eckel  
 465C Middlebridge Rd. (Map 43-1 Lot 8)  
 South Kingstown, Rhode Island  
**FLOAT DESIGN**

# FLOATING DOCK CONSTRUCTION SPECIFICATION - calculations

**DESIGN DATA**

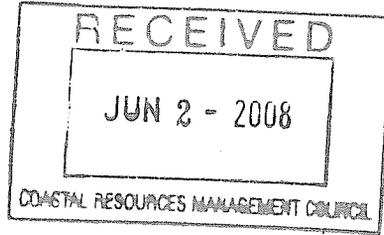
THE DESIGN LIVE LOAD FOR THE FLOAT IS 20 PSF  
 DOCK AREA IS +/- 150 SQ. FT.  
 150 SQ. FT. x 20 PSF = 3000 LBS. LIVE LOAD  
 150 SQ. FT. x 10 PSF = 1500 LBS. DEAD LOAD

**COMBINED LIVE AND DEAD LOAD = 4,500 POUNDS**

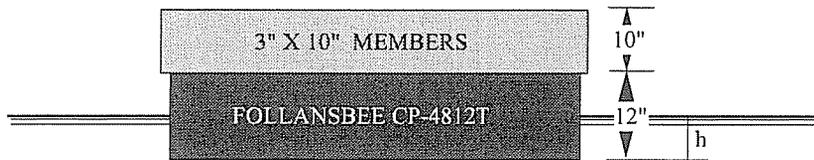
**MATERIAL TO USED IS:**

POLYSTYRENE FILLED POLYETHYLENE  
 CASINGS (CLOSED CELLS)  
 FOLLANSBEE DOCK SYSTEMS FLOATS-  
 USE (3) - 8.0' x 4' x 12" DEEP - FLOAT CELLS #  
 CP-4812T

1,816 LBS. SUPPORT PER FLOAT X 3 FLOATS  
 YIELS A TOTAL SUPPORT CAPACITY OF  
 5,448 LBS.



Total volume of float material submerged of (3) floats is calculated as follows - 3 x 4' x 8' x h



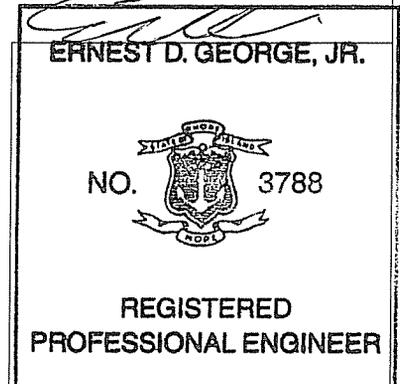
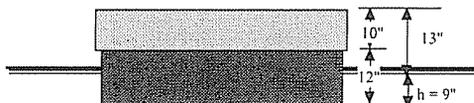
Unloaded conditions (only dead load applied) 10 psf

3 x 4' x 8' x h x 62.4 lbs. / cubic foot = 1,500 lbs  
 solving for h h= .25 feet or 3 inches



Fully loaded condition (total load) 30 psf

3 x 4' x 8' x h x 62.4 lbs. / cubic foot = 4,500 lbs  
 solving for h h= .75 feet or 9 inches

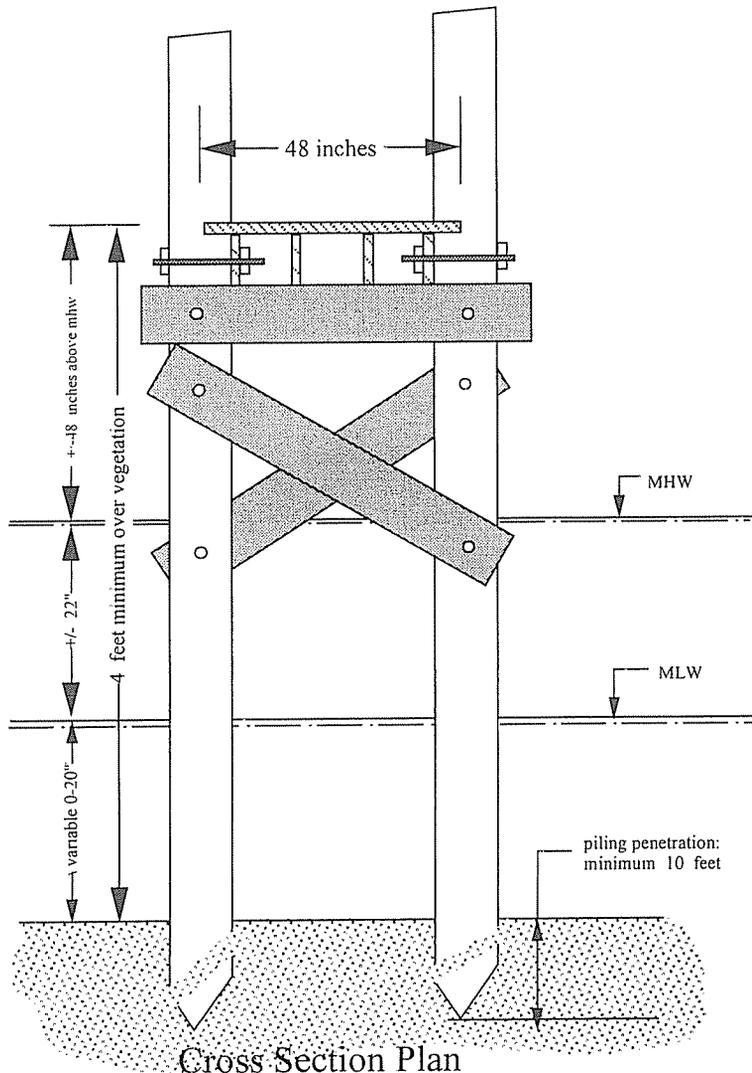
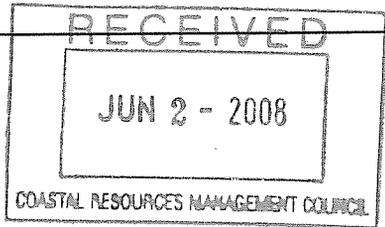


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SCALE: N/A  
 DATE: December 2007  
 REVISIONS: 6-2-08  
 SHEET 4 OF 6

**PROPOSED Dock Plan for:**  
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 South Kingstown, Rhode Island  
**Float calculations**





Cross Section Plan

**LEGEND**

-  = 3/4" thick decking at 1/2" spacing (3/4" spacing over vegetated areas)
-  = 3" x 12" fir or pine .60 CCA treated @ 15" O.C.
-  = 3 X 8" fir or pine .60 CCA treated
-  = 3/4" o.d. minimum hot dipped galvanized bolts and nuts with 2 1/2" min. washers
-  = 10" - 12" diameter min. 2.0 CCA treated pilings

I certify that the plans submitted for this dock meet the requirements of section 300 of the CRMC redbook and the dock structurally satisfies all code requirements

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SCALE: as shown  
DATE: December 2007  
REVISIONS: 6-2-08  
SHEET 6 OF 6

**PROPOSED Dock Plan for:**  
Susan and Steven Eckel  
**465C Middlebridge Rd.** (Map 43-1 Lot 8)  
South Kingstown, Rhode Island  
Cross Section

CRMC Mailing List for Susan & StevenEckel  
CRMC File Number 2007-12-022  
June 3, 2008

Susan & Steven Eckel  
615 South Fith Street  
Perkasie, PA 18944

Helen Dionato  
465 B Middlebridge Road  
Wakefield, RI 02879

William M. & Carol A. Corrao  
415 Middlebridge Road  
Wakefield, RI 02879

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CRMC (2007-12-022)  
O. S. Government Center  
4808 Tower Hill Road  
Wakefield, RI 02879

General List – Town of South Kingstown