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 Fifth 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.
End of dock coordinates
latitude  41.27.5489
longitude  71.27.0285
northing  71435.708
easting  391171.483

Start of dock coordinates
latitude  41.27.5547
longitude  71.27.0434
northing  71465.284
easting  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. P.E.
Coastal Engineering Group, Inc.
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

Rip - Rap - filled crib

+/-.60' feet
+/-.22 inches variable
+/-.24"

existing bottom contour

penetration depth +/-.10 feet

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. P.E.
Coastal Engineering Group, Inc.

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

SCALE: 1" = 2'
DATE: Dec. 2007
REVISIONS: 6-2-08
SHEET 2 OF 6
FLOATING DOCK CONSTRUCTION SPECIFICATION

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

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

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

RECEIVED
JUN 2 - 2008
COASTAL RESOURCES MANAGEMENT COUNCIL
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 USE 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
YIELDS 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

\[ V = 3 \times 4 \times 8 \times h = 96h \]

\[ V_{total} = 3 \times V = 288h \]

Unloaded conditions (only dead load applied) 10 psf
\[ 3 \times 4' \times 8' \times h \times 62.4 \text{ lbs. / cubic foot} = 1,500 \text{ lbs} \]
solving for \( h \) \( h = \frac{1,500}{96} \approx 15.625 \text{ feet or 3 inches} \)

Fully loaded condition (total load) 30 psf
\[ 3 \times 4' \times 8' \times h \times 62.4 \text{ lbs. / cubic foot} = 4,500 \text{ lbs} \]
solving for \( h \) \( h = \frac{4,500}{288} \approx 15.73 \text{ feet or 15.5 inches} \)

PROPOSED Dock Plan for:
Susan and Steven Eckel
465C Middlebridge Rd. (Map 43-1 Lot 8)
South Kingstown, Rhode Island
Float calculations
Section 300.4.E.3.f -
only immediate area of piling penetration to be disturbed

Railing design to be discussed with builder and owner
as to specifics and detail

---

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

**SCALE:** 1" = 20'
**DATE:** Dec. 2007
**REVISIONS:** 6-2-08
**SHEET 5 OF 6**

**PROPOSED Dock Plan for:**
Susan and Steven Eckel
465 C Middlebridge Rd. (Map 43-1 Lot 8)
South Kingstown, Rhode Island
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. P.E.
Coastal Engineering Group, Inc.
CRMC Mailing List for Susan & Steven Eckel
CRMC File Number 2007-12-022
June 3, 2008

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

Helen Dionato
465 B Middlebridge Road
Wakefield, RI 02879

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

Coastal Engineering Group, Inc.
Ernest D. George, Jr. P.E.
PO Box 5245
Wakefield, RI 02879

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

General List – Town of South Kingstown