



State of Rhode Island
Coastal Resources Management Council
Oliver H. Stedman Government Center
4808 Tower Hill Road, Suite 3
Wakefield, RI 02879-1900

(401) 783-3370
Fax (401) 783-2069

APPLICATION FOR STATE ASSENT

To perform work regulated by the provisions of Chapter 279 of the Public Laws of 1971 Amended.

Project Location <u>1 LAFAYETTE AVE SOUTH KINGSTOWN</u> No. Street City/Town		File No. (CRMC USE ONLY) 2023-11-073
Owner's Name <u>AMY TOURANGEAU</u>		Plat: <u>43-4</u> Lot(s): <u>6</u>
Mailing Address <u>175 ROBINSON ST</u>		TED MONAHAN Contact No.: <u>401-523-7123</u> Email Address: <u>TED@TRATTORIA-ROMANA.COM</u>
City/Town <u>SOUTH KINGSTOWN</u> State <u>RI</u> Zip Code <u>02879</u>		Email address: Tel. No.
Contractor RI Reg. # Address		M.L. DOWDELL@GMAIL.COM Tel. No. <u>401-364-1027</u>
Designer <u>MARK DOWDELL</u> Address <u>PO Box 1684, CHARLESTOWN, RI 02813</u>		Estimated Project Cost (EPC): Application Fee: <u>\$1,500.00</u>
Name of Waterway <u>PETAQUAMSCUTT RIVER</u>		
Describe accurately the work proposed. (Use additional sheets of paper if necessary and attach this form.) <u>NEW RESIDENTIAL DOCK</u>		

Have you or any previous owner filed an application for and/or received an assent for any activity on this property?
(If so please provide the file and/or assent numbers): 2013-05-161, 2018-04-061

Is this site within a designated historic district? ☐ YES ☒ NO

Is this application being submitted in response to a coastal violation? ☐ YES ☒ NO

If YES, you must indicate NOV or C&D Number: _____

Name/mailing addresses of adjacent property owners whose property adjoins the project site. Accurate mailing addresses will insure proper notification. OT Applicant must initial to certify accuracy of adjacent property owners and accuracy of mailing addresses.

AP 43-4 LOT 15, MAILING: TIM O'NEILL #235 MIDDLEBRIDGE RD, WAKEFIELD, RI 02879

AP 43-4 LOT 4, MAILING: DAVITT PROPERTIES INC, 4 FRANK AVE, WEST KINGSTON, RI 02872

STORMTOOLS (<http://www.beachsamp.org/resources/stormtools/>) is a planning tool to help applicants evaluate the impacts of sea level rise and storm surge on their projects. The Council encourages applicants to use STORMTOOLS to help them understand the risk that may be present at their site and make appropriate adjustments to the project design.

NOTE: The applicant acknowledges by evidence of their signature that they have reviewed the Rhode Island Coastal Resources Management Program, and have, where possible, adhered to the policies and standards of the program. Where variances or special exceptions are requested by the applicant, the applicant will be prepared to meet and present testimony on the criteria and burdens of proof for each of these relief provisions. The applicant also acknowledges by evidence of their signature that to the best of their knowledge the information contained in the application is true and valid. If the information provided to the CRMC for this review is inaccurate or did not reveal all necessary information or data, then the permit granted under this application may be found to be null and void. Applicant requires that as a condition to the granting of this assent, members of the CRMC or its staff shall have access to the applicant's property to make on-site inspections to insure compliance with the assent. This application is made under oath and subject to the penalties of perjury.

08/04

Amy Tourangeau Amy Tourangeau
Owner(s) Signature (sign and print)

RECEIVED

11/28/2023

COASTAL RESOURCES
MANAGEMENT COUNCIL

PLEASE REVIEW REVERSE SIDE OF APPLICATION FORM



Dowdell Engineering Associates, LLC

Phone: (401) 364-1027

Email: m.l.dowdell@gmail.com

P.O. Box 1684, Suite 200

3949 Old Post Road

Charlestown, RI 02813

November 17, 2023

Tracy Silvia
Rhode Island Coastal Resources Management Council
Oliver H. Stedman Government Center
4808 Tower Hill Road; Suite 3
Wakefield, RI 02879

Re: Applicant: Amy Tourangeau
Location: #1 Lafayette Ave, South Kingstown
New Dock Assent Application



Variance Request to Section 1.3.1 (D)(11)(I) - length to 61' beyond MLW, a 22% increase beyond the 50' standard)

Dear Ms. Silvia:

As shown on the Dock Plan, grades beyond MLW are relatively flat, being relatively shallow to the south and having a distinct decrease in grade on the northeast end of the site (see the -2 MLW contour). The depth of the proposed terminus of the float at 50' from MLW would be not meet the 18" depth requirement at MLW.

As such, we are requesting to extend the terminus of the dock to 61' from MLW, which provides a depth for the float of 18" at MLW.

As determined by Natural Resource Services, Inc, no SAV was observed in the area of the proposed dock. Float stops are also proposed to confirm that the terminus of the float does not fall below 18" depth to the bottom at MLW.

Compliance with the six criteria for a variance under Section 1.1.7 is as follows:

Section 1.1.7.1: The proposed alteration conforms with applicable goals and policies of the CRMP in that the 61' length provides us with the required 18" at MLW. At 50' length, the terminus of the float would be at a depth of approximately 15" MLW.

Section 1.1.7.2: The proposed dock installation will not result in any significant adverse environmental or use conflicts because it is consistent with the similar uses of nearby properties. There was also no SAV observed at the site, so no SAV will be impacted.

Section 1.1.7.3: Due to conditions at the Site, specifically the gradual decrease in grade seaward of MLW, and the specific location of the deepest section of the available area (specifically where the -2 MLW contour is), we are requesting the length variance in order to reach the deepest available area.

Section 1.1.7.4: The modification requested for the 61' length is the minimum variance necessary maintain the minimum 18" depth requirement at MLW.

Section 1.1.7.5: The requested variance is not due to any prior action of the applicants or the applicants' predecessors in title.

Section 1.1.7.6: Due to the conditions at the Site, the inability to install the dock as proposed will cause the applicant undue hardship. The depth requirement is within a reasonable distance and remains below the 75' maximum length for a staff level variance.

Please consider this letter a request for a variance as a supplement to the above referenced application for an Assent.

If you have any questions, please call me at 401-364-1027 or email me at m.l.dowdell@gmail.com. Thank you.

Sincerely,



Mark L. Dowdell, P.E.

CC: Amy Tourangeau, Ted Monahan, by email



Natural Resource Services, Inc.

Submerged Aquatic Vegetation Survey

1 Lafayette Avenue
A.P. 43-4, Lot 6
South Kingstown, Rhode Island



Prepared for:
Ted Monahan
175 Robinson Street
Wakefield, RI 02879

Report Prepared by:

Scott P. Rabideau, PWS
Principal

July 20, 2023

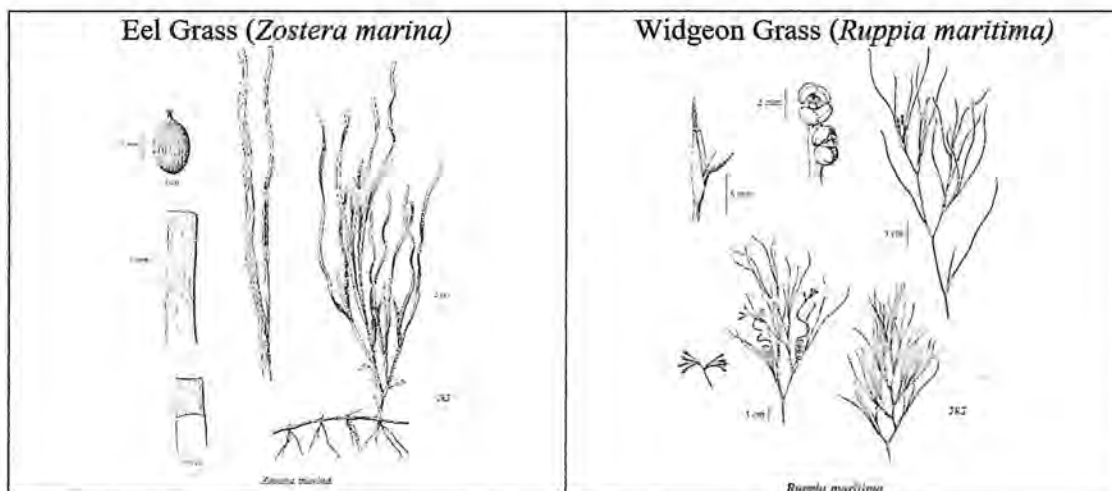
P.O. Box 311 Harrisville, RI 02830 401-568-7390



Introduction

Natural Resource Services, Inc. (NRS) has completed a Submerged Aquatic Vegetation (SAV) Survey in the waters adjacent to the subject property at 1 Lafayette Avenue (A.P. 43-4, Lot 6), in South Kingstown, Rhode Island. This study was performed in accordance with the standards established within Section 1.3.1(R)(4) (a-e) of the RI Coastal Resources Management Program (CRMP). This report and the enclosed graphic and data table can be used for any submission to the Coastal Resources Management Council (CRMC) requiring proof of an SAV study. An SAV study is valid for up to three (3) years pursuant to Section 1.3.1(R)(4)(c).

The primary purpose of this SAV study is to identify and map existing eelgrass (*Zostera marina*) and/or widgeon grass (*Ruppia maritima*) beds, substrate within the study area, mean height of eelgrass or widgeon grass shoots, and depth of water (at time of sampling) at each quadrat location. Eelgrass and widgeon grass are perennial, rooted, submerged, aquatic plants that occupies shallow, estuarine waters in sheltered bays and coves. The following illustration depicts eelgrass and widgeon grass.



SAV beds provide habitat and cover for various shellfish and fin fish species, while subsequently providing food for waterfowl species. Eelgrass and widgeon grass also play an important role in protecting the shorelines from sedimentation and erosion by stabilizing bottom sediments. It is for these functions and values that the CRMC requires a study of SAV habitats.

Methodology

The SAV Study was performed on July 13th, 2023, by NRS biologist Hannah Chace and Kayleigh Actis, with all work occurring between 12:00 – 1:30 p.m. in a portion of the Pettaquamscutt River (*Waterbody ID: RI0010044E-01A*) classified as Type 2 Waters. Type 2 Waters are defined as low intensity use waters; docks are permissible in these waters.

NRS has established six (6) transects (A – F) to encompass the area along the shoreline associated with the subject property. The first transect, transect A, was established towards the northern property line. Transects B-F are placed at approximate ten-foot (10') intervals along the shoreline toward the southern property line. The transect start points are identified by blue ribbons tied to either 3-foot grade stakes or the vegetation along the shoreline. The established transects extend east into the river perpendicular to the shoreline. Each transect is 80 feet in length.

Along each transect, one-meter square sampling stations (quadrats) were established every 10 feet. Substrate characteristics, percent cover of *Zostera marina* or *Ruppia maritima*, and mean shoot height were recorded at each quadrat location.

The locations of the transect start points and other benchmarks were GPS located in the field using a handheld Trimble GeoXH unit. While this GPS data should not be considered a survey plan, it can be helpful for preliminary planning purposes.

Findings and Conclusion

Upon completion of the NRS site investigation, it was determined that no submerged aquatic vegetation (SAV) is present in the surveyed area.

Low tide was recorded to be at 10:34 AM on July 13th 2023 (Tidal Data Source: Narragansett Pier, RI ([#8454658](#))). At the time of the survey, the water depth in the study area extended to approximately 3 feet. The substrate consists generally of mucky sand and muck.

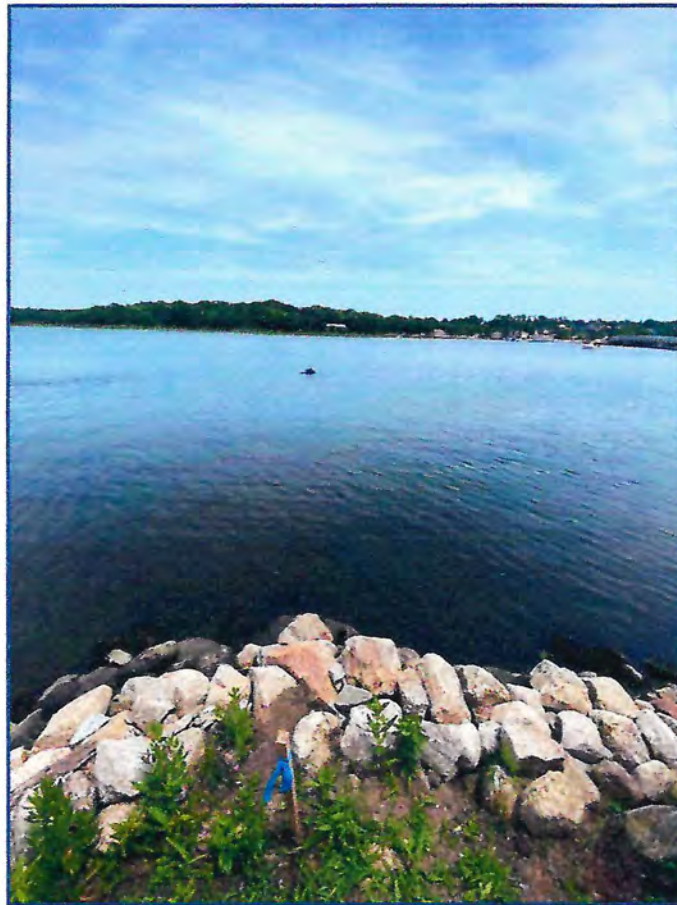
The data collected by NRS is available electronically and can be forwarded to Dowdell Engineering for use in preparing a plan. The transect locations along the shoreline and reference points within the property were located using a handheld GPS unit (Trimble GeoXH). While this data is not survey grade, the information shall assist your design professional in preparing the plan.

Please do not hesitate to contact our office should you have any questions or require additional information.



Appendix

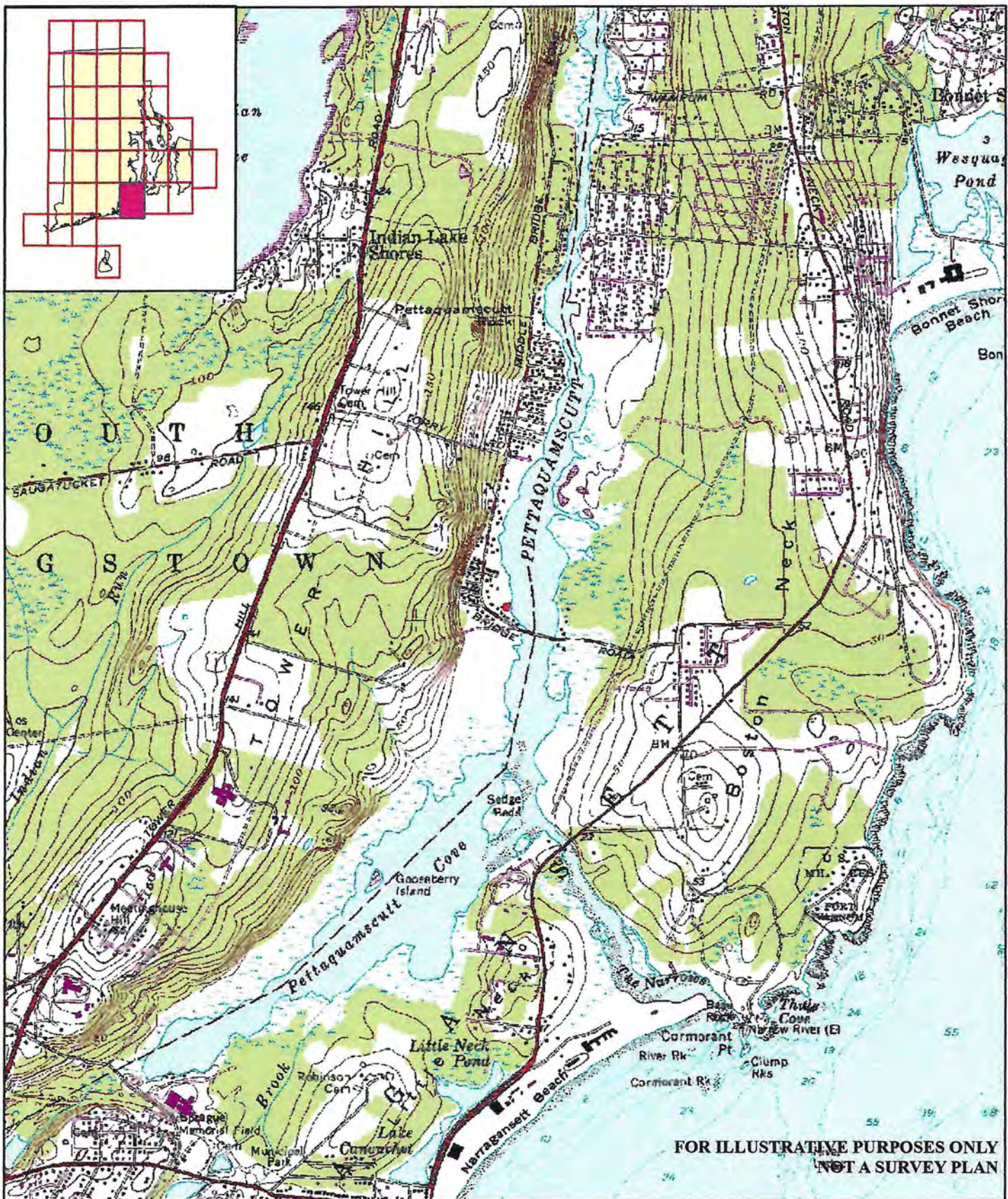




View into water from transect A



View along shoreline of property



USGS Topographic Map

1 Lafayette Ave

A.P. 43-4, Lot 6

South Kingstown, RI

Narragansett Pier Quad Map

— Approximate Site Location

USGS Topographic Series

Contour Interval 10 Feet

National Geodetic Vertical Datum of 1929

0 1,000 2,000 4,000 Feet

RIGIS

Natural Resource Services, Inc.

PO Box 311
185 Tinkham Lane
Narragansett, RI 02882

p. (401) 505-7300

(c) RIGIS

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11/28/2023

COASTAL RESOURCES
MANAGEMENT COUNCIL

LOCUS



© OpenStreetMap (and) contributors, CC-BY-SA

Legend

- Approximate Site Location
- Transect Location
- Square Meter Quadrat
- No SAV Observed*

*V = Submerged Aquatic Vegetation
See attached datasheets for complete information

0 15 30 60 Feet



FOR ILLUSTRATIVE PURPOSES ONLY
NOT A SURVEY PLAN

Submerged Aquatic Vegetation
Survey Sketch
1 Lafayette Avenue
A.P. 43-4, Lot 6
South Kingstown, RI
Performed by Hannah Chace &
Kayleigh Actis - July 13, 2023
Located using handheld Trimble GeoXH

RIGIS Spring 2023 aerial
RI DEM Mapping
Natural Resource Services, Inc.
PO Box 311
180 Trask Lane
Narragansett, RI 02882
P: (401) 566-7390
(c) RIGIS



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MANAGEMENT COUNCIL

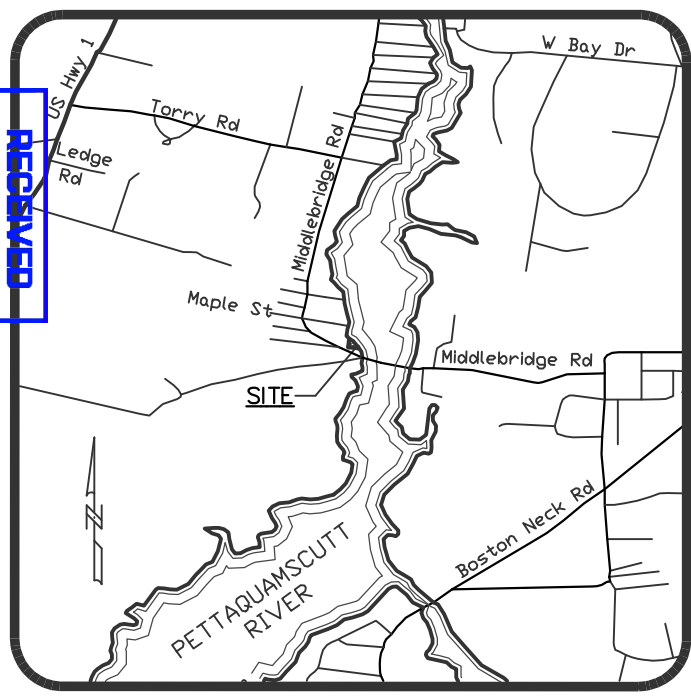
Submerged Aquatic Vegetation Survey Data
 1 Lafayette Ave - South Kingstown
 Performed by: Hannah Chace & Kayleigh Actis
 12:00pm-1:30pm - 7/12/2023

A				B				C			
Sample ID	Distance from transect (ft)	Depth (ft)	Bottom substrate	% Cover of SAV	Mean Shoot Height (ft)	Sample ID	Distance from transect (ft)	Depth (ft)	Bottom substrate	% Cover of SAV	Mean Shoot Height (ft)
A1	10	1.75	Mucky Sand	0	-	B1	10	1.75	Mucky Sand	0	-
A2	20	2	Mucky Sand	0	-	B2	20	2	Mucky Sand	0	-
A3	30	2.25	Mucky Sand	0	-	B3	30	2	Mucky Sand	0	-
A4	40	2.5	Mucky Sand	0	-	B4	40	2.5	Mucky Sand	0	-
A5	50	2.75	Mucky Sand	0	-	B5	50	2.75	Mucky Sand	0	-
A6	60	2.75	Mucky Sand	0	-	B6	60	2.75	Mucky Sand	0	-
A7	70	2.75	Mucky Sand	0	-	B7	70	2.75	Muck	0	-
A8	80	2.75	Muck	0	-	B8	80	2.75	Muck	0	-

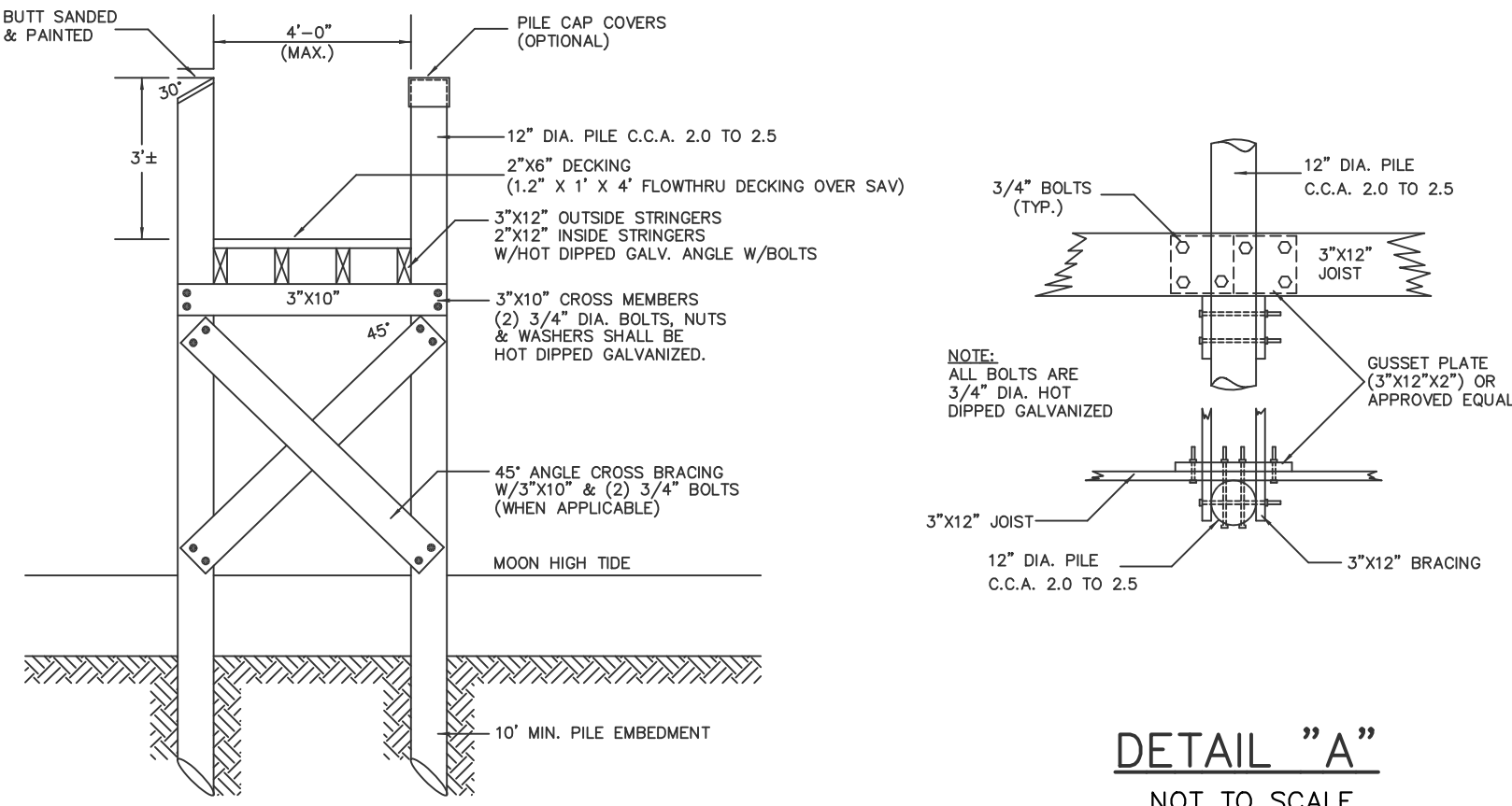
D				E				F			
Sample ID	Distance from transect (ft)	Depth (ft)	Bottom substrate	% Cover of SAV	Mean Shoot Height (ft)	Sample ID	Distance from transect (ft)	Depth (ft)	Bottom substrate	% Cover of SAV	Mean Shoot Height (ft)
D1	10	1.5	Mucky Sand	0	-	E1	10	1.5	Mucky Sand	0	-
D2	20	1.75	Mucky Sand	0	-	E2	20	1.75	Mucky Sand	0	-
D3	30	2	Mucky Sand	0	-	E3	30	2	Mucky Sand	0	-
D4	40	2	Mucky Sand	0	-	E4	40	2	Muck	0	-
D5	50	2.25	Mucky Sand	0	-	E5	50	2	Muck	0	-
D6	60	2.25	Mucky Sand	0	-	E6	60	2.25	Muck	0	-
D7	70	2.5	Mucky Sand	0	-	E7	70	2.5	Muck	0	-
D8	80	2.5	Muck	0	-	E8	80	2.5	Muck	0	-



11/28/2023
MARK L. DOWDELL
REGISTERED ENGINEER
CIVIL

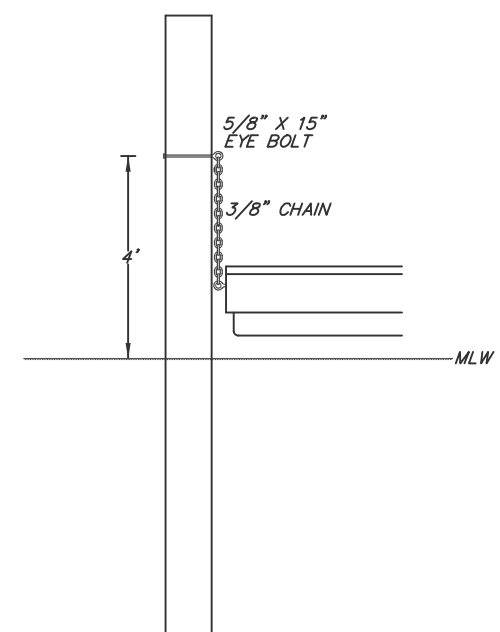


LOCATION MAP
1" = 2000'

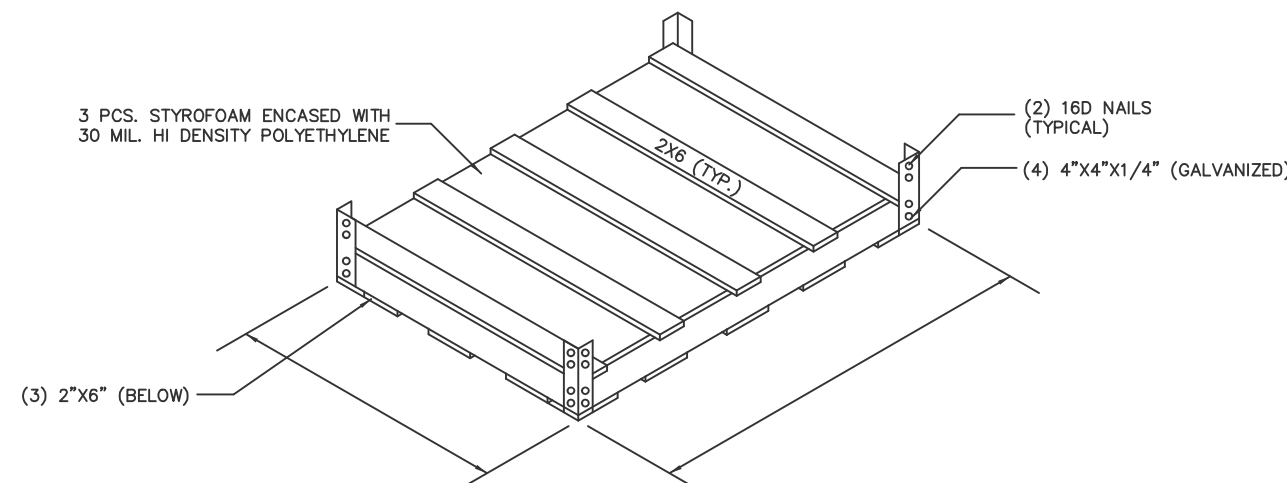


DECK CROSS SECTION
NOT TO SCALE

DETAIL "A"
NOT TO SCALE



FLOAT STOP DETAIL
NOT TO SCALE



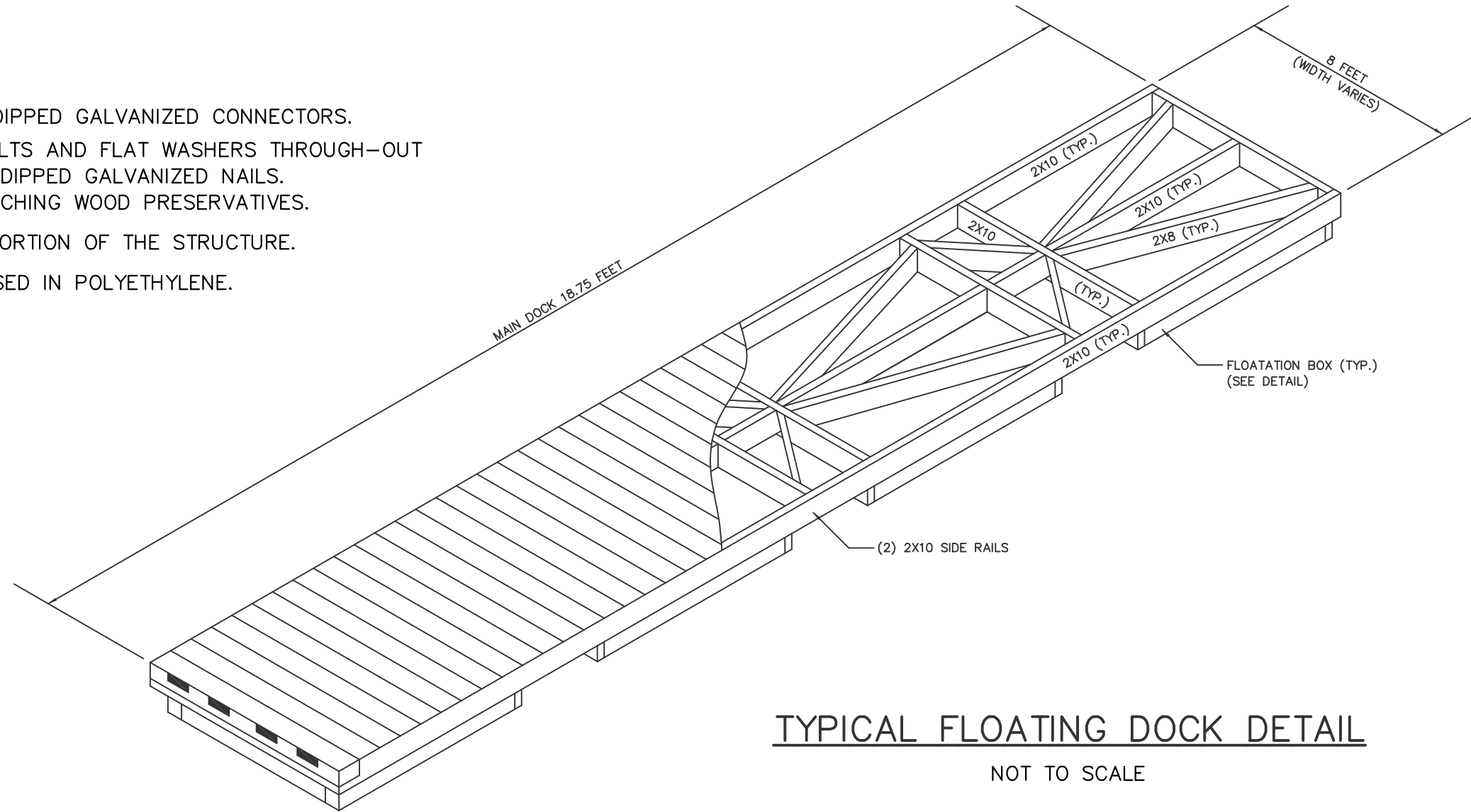
FLOATING BOX DETAIL
NOT TO SCALE

CONSTRUCTION NOTES

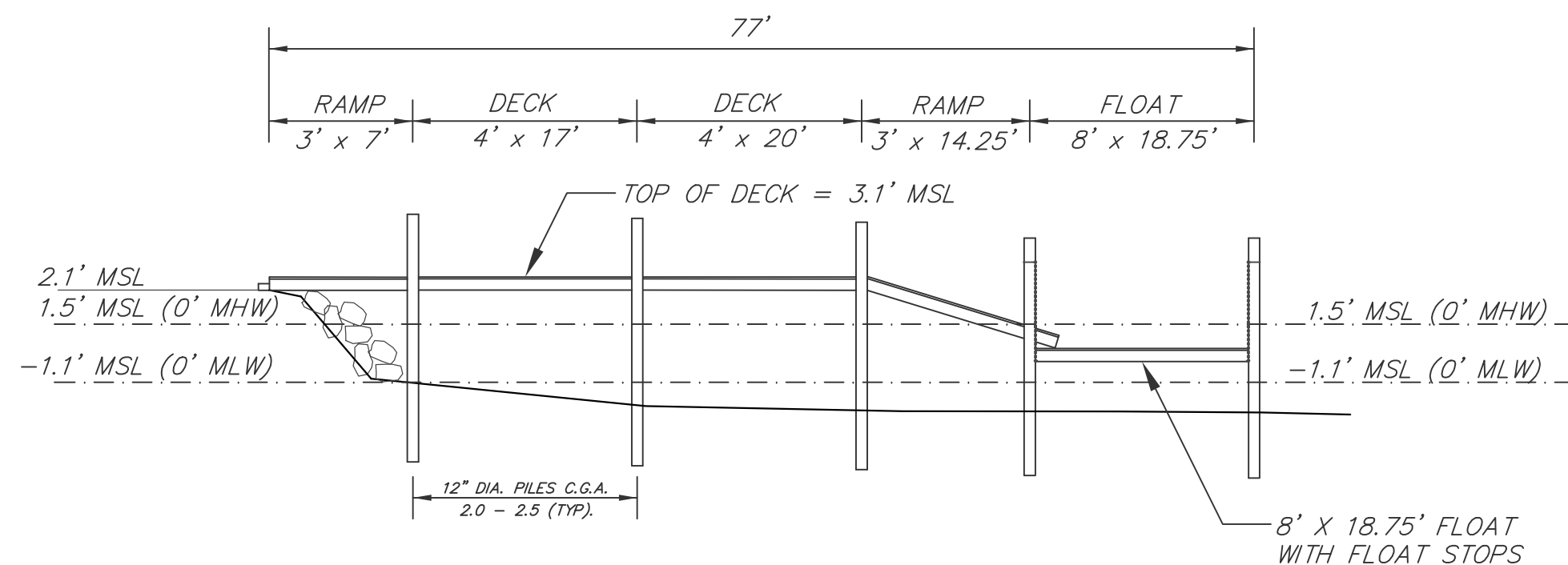
- ALL CONSTRUCTION TO BE DONE WITH HOT DIPPED GALVANIZED CONNECTORS.
- BOLTED CONSTRUCTION TO BE 5/8" DIA. BOLTS AND FLAT WASHERS THROUGH-OUT EXCEPT DECKING MAY BE NAILED WITH HOT DIPPED GALVANIZED NAILS.
- ALL LUMBER TO BE TREATED WITH NON-LEACHING WOOD PRESERVATIVES.
- NO CREOSOTE SHALL BE APPLIED TO ANY PORTION OF THE STRUCTURE.
- PROPOSED FLOAT TO BE COMPLETELY ENCASED IN POLYETHYLENE.

PROPERTY OWNER:

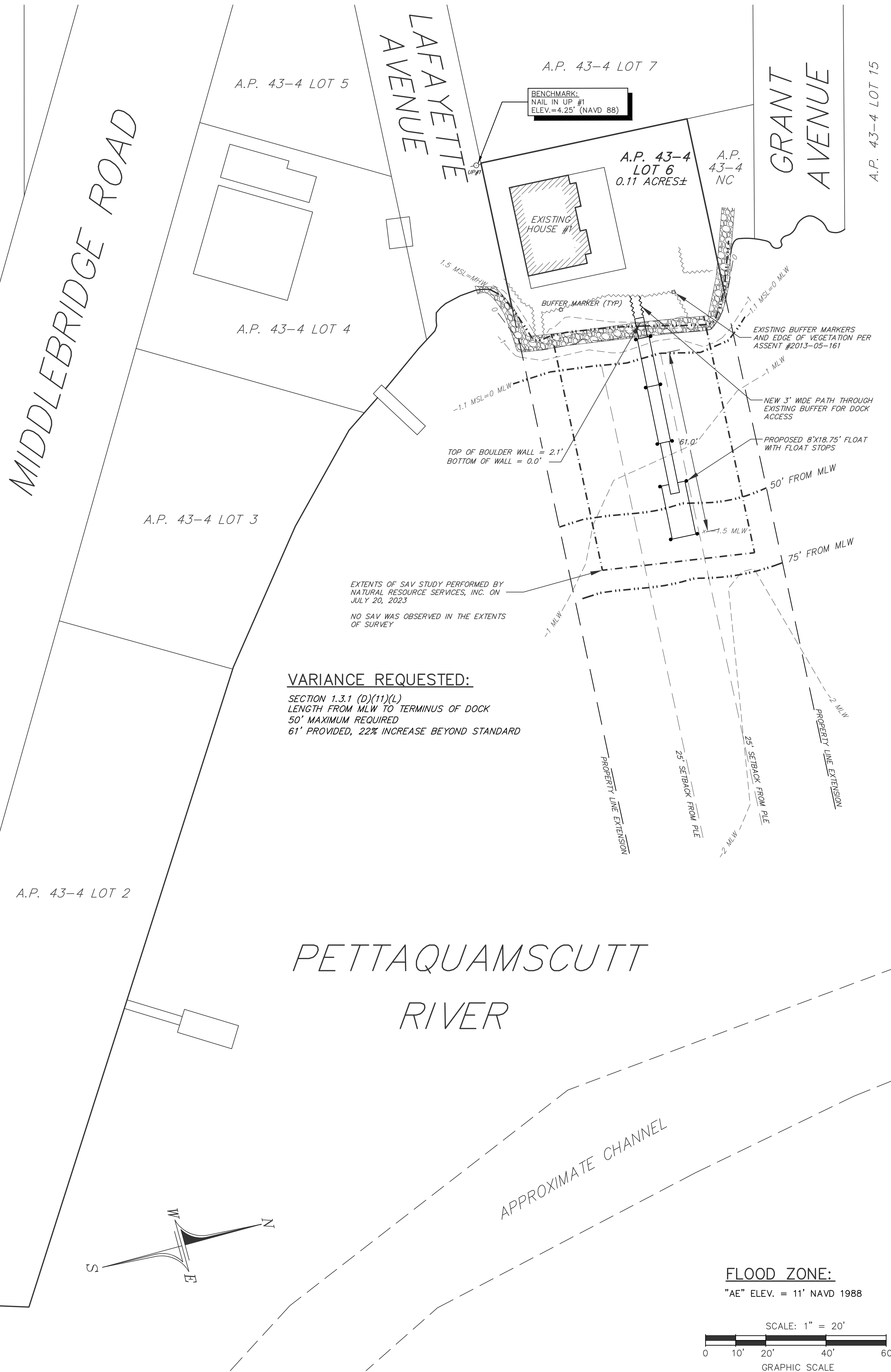
AMY TOURANGEAU
175 ROBINSON STREET
WAKEFIELD, RI 02879



TYPICAL FLOATING DOCK DETAIL
NOT TO SCALE



DOCK PROFILE
NOT TO SCALE

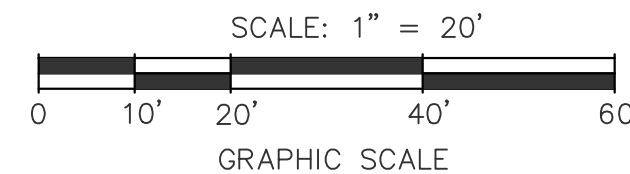


VARIANCE REQUESTED:

SECTION 1.3.1 (D)(11)(L)
LENGTH FROM MLW TO TERMINUS OF DOCK
50' MAXIMUM REQUIRED
61' PROVIDED, 22% INCREASE BEYOND STANDARD

FLOOD ZONE:

"AE" ELEV. = 11' NAVD 1988



DOCK PLAN PREPARED FOR

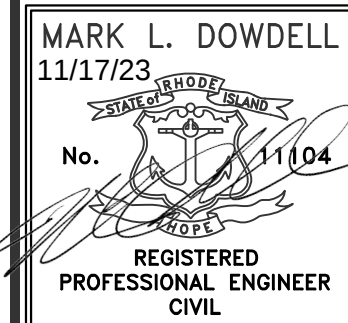
AMY L. TOURANGEAU

ASSESSOR'S PLAT 43-4 LOT 6

SITUATED IN THE TOWN OF

SOUTH KINGSTOWN, RHODE ISLAND

NO.	REVISION	DATE



**DOWDELL
ENGINEERING**

DOWDELL ENGINEERING ASSOCIATES, LLC

CIVIL & ENVIRONMENTAL ENGINEERS

SURVEYORS & LAND PLANNERS

P.O. BOX 1884 • 3949 OLD POST ROAD

CHARLESTOWN, RHODE ISLAND 02813

PHONE: 401-394-9000 FAX: 401-394-9001
WEBSITE: dowedlleng.com EMAIL: mark@dowedlleng.com

JOB NO. 3622	DRAWN BY: R.L.C.
DWG. NO. 3622-DCK	CHECKED: M.L.D.
	APPROVED: M.L.D.

SCALE:
AS NOTED

DATE:
NOV. 16, 2023

SHEET:

1

1 OF 1 SHEETS