THE CITY OF WARWICK STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

RESOLUTION OF THE CITY COUNCIL

NO	DATE
APPROVED	MAYOR

RESOLUTION AUTHORIZING DREDGING AT HARBOR LIGHT MARINA

Resolved that,

WHEREAS, the health, safety and welfare of the citizens of the City of Warwick are matters of paramount importance to the City Council; and

WHEREAS, Section 22-2 of the Warwick Code of Ordinances prohibits dumping of dredged material within the City of Warwick without first obtaining the approval of the City Council after public hearing and notice thereof; and

WHEREAS, Harbor Light Marina has filed an application for authorization to dredge at its location in the City of Warwick; and

WHEREAS, a public hearing was conducted on the dredging application of Harbor Light Marina by the Warwick City Council on May 15, 2016.

NOW, THEREFORE, BE IT RESOLVED, that, pursuant to Section 22-2 of the Code of Ordinances of the City of Warwick, the Warwick City Council hereby authorizes Harbor Light Marina to perform dredging at its present location in accordance with the application which it filed in the City Clerk's office requesting this authorization, subject to the conditions recommended by the Planning Department and subject to authorization from the Rhode Island Coastal Resources Management Council and the Rhode Island Department of Environmental Management. All material to be dredged shall be classified by the RI DEM based upon the approved analysis process which finds the dredge material suitable for upland disposal in a manner consistent with the Coastal Resources Management Program and the rules and regulations of the RI DEM.

The City Clerk is hereby directed to forward a copy of this Resolution to Harbor Light Marina, the Rhode Island Coastal Resources Management Council and the Rhode Island Department of Environmental Management.

This Resolution shall take effect upon passage.

SPONSORED BY: COUNCILMAN LADEUCEUR

COMMITTEE: LAND USE

William DePasquale, Jr., AICP Planning Director



Scott Avedisian Mayor

CITY OF WARWICK

Planning Department 3275 Post Road, Annex; Warwick, RI 02886 Tel. (401) 738-2000 Ext. 6289 T.D.D. (401) 739-9150

TO:

Honorable President and Members of the Warwick City Council

FROM:

William J DePasquale Jr, Planning Director

DATE:

March 16, 2017

RE:

Application Review -

Harbor Light Marina Inc. - 200 Gray St. Warwick, RI

AP 378 lot 1, 181, 2

CRMC Type 3

Honorable President and Members of the Warwick City Council:

In accordance with the <u>Warwick Code of Ordinances</u> Section 22-2 entitled; "<u>Dumping Sludge or Dredge Material</u>" this application must receive approval from the Warwick City Council. The statute reads as follows: "No sludge or dredge material shall be dumped within the City without first obtaining the approval of the City Council after public hearing and notice thereon." Pursuant to the Code of Ordinance Section 22-2 the Warwick Planning Department has reviewed the petition to expand the aforementioned marina facility.

The petition before the Warwick City Council is to use dredge spoils from the marina basin permitted within assent modification <u>CRMC Assent B 2005-06-151</u> to be used as fill material on the existing parking lot. Surplus dredge material not needed within the parking lot will be disposed of as alternative cover at the Central landfill as prescribed in CRMC Assent B 2005-06-151.

The requested modification originates from an original Assent from CRMC for maintenance dredging over a period of time. Based on review of the proposal as well as contact with the owner and CRMC we understand the owner is working with CRMC on a new assent that would request storage and use of the dredge spoils onsite.

I. Review -City State Policy/Regulations

In reviewing the request we turn to the City Zoning Ordinance, Rhode Island Coastal Resources Management Program and the City's Comprehensive Plan. In the instant case the marina property is zoned "Waterfront Business". The district as described within the Warwick Zoning Ordinance section 301.7. Entitled "Waterfront Business District (WB)" is "... used primarily for businesses catering to marine activities." The abutting waters are classified by Rhode Island Coastal Resources Management Program (CRMP) as Type 3. In particular the CRMP Section 200.3 entitled Type 3 High-Intensity Boating reads "This category includes intensely utilized water areas where recreational boating activities dominate and where the adjacent shorelines are developed as marinas, boatyards, and associated water-enhanced and Water-dependent businesses."

Review of the *Comprehensive Plan* and *Harbor Management Plan* finds the proposed beneficial reuse of dredge materials to be encouraged especially when joined with sustainability actions in response to sea level rise.

"The city also supports the development of comprehensive state- wide dredging plan that includes the beneficial reuse of dredged material."

CITY OF WARWICK COMPREHENSIVE PLAN 2013–2033 PART V | CHAPTER 9 TRANSPORTATION AND CIRCULATION Page 9-24

The Comprehensive Plan also recognizes "... In recent years dredging projects have become increasingly complex due to the recognized need to dispose (or reuse) dredged material in an environmentally prudent manner consistent with state and federal regulations." Comp Plan Page 9.23

In furtherance of this objective is the Harbor Management Plan which seeks to;

"... To improve navigation by encouraging and supporting appropriate dredging projects; To promote and encourage the prudent use of coastal and marine resources in a manner that stimulates economic development and protects the coastal environment;..."

CITY OF WARWICK COMPREHENSIVE PLAN 2013–2033 Page 9.22

II. Analysis

The instant petition seeks to amend the current state assent to allow for the use of dredge spoils from the marina basin to be used on the existing parking area to raise the grade on the parking lot which was not authorized in the CRMC Assent B 2005-06-151. That assent requires the material to be disposed of at the Central Landfill in addition to the CAD cell in the Providence River.

To this end, review of the instant proposal is evaluated within two respects; the use of clean or approved dredge material as beneficial fill within the existing parking area to raise the grade thereby minimizing impacts of sea level rise on the marina operations and an analysis of the dredge spoils and if they are suitable for said use.

As for utilizing clean or approved dredge spoils at this location, Section I (above) clearly indicates the use of approved cover material within a marina parking lot within a waterfront business district in Type III waters is consistent with the City's zoning ordinance, Comprehensive Plan and the State CRMP with the condition that the material is tested and suitably approved for said use. As for the second consideration it is unclear as to the suitability of this material for use on the existing parking area.

III. Recommendation

Based on the aforementioned review and analysis, I find the proposal for the use of clean or approved dredge material as beneficial fill within the existing parking area to raise the grade of this long standing marina thereby minimizing impacts of sea level rise to be in keeping with the Policy's, Plans and Regulations of the City conditioned on the following:

- 1. That Harbor Light Marina Inc. applies for a new Assent from the Coastal Resources Management Council and any other requisite agencies.
- 2. That CRMC and other applicable agencies determine the suitability of the material to be used on the parking area.
- 3. That Harbor Light Marina Inc. receives a new Assent from Coastal Resources Management Council and any other Agency determining the suitability of the material.
- 4. The new CRMC assent and approved site/grading plan shall be forwarded to the City's Planning Department, Building Department, Engineering Department (DPW) authorizing the use of the material onsite.
- 5. Coordination and approval from the Department of Public Works and Building Inspector as to the requirements and perimeters of grading, hours of operation dust/odor control and soil erosion measures.

Pursuant to the Code of Ordinance Section 22-2. - Dumping sludge or dredge material.

- (a) Approval required. No sludge or dredge material shall be stored or dumped within the city which shall include but not be limited to the jurisdictional limits of the harbor boundary established in the city harbor management plan without first obtaining the approval of the city council after public hearing and notice thereon.
- (b) Recommendations; conditions. Any request or application for approval of the storage or dumping of dredge materials shall be submitted in writing to the director of city planning who shall investigate the application as to feasibility and impact to the city and its residents. Upon completion of his or her review, the director of city planning shall submit a written recommendation to the city council as to the request or application, including but not limited to, the impact of the proposed, storage or dumping, the environmental consequences of any such storage or dumping, and the effect upon public health safety and welfare. The city council in granting approval, or reviewing any recommendation may set conditions on said approval or application, which it deems necessary to secure the public health, safety and welfare.

(Code 1971, § 8-1.1, Ord. No. O-01-4, § I, 4-9-01)



State of Rhode Island and Providence Plantations Coastal Resources Wanagement Council Oliver H. Stedman Government Center 4808 Tower Hill Road, Suite 116 Wakefield, Rt 02879-1900

(401) 783-3370 Fas (401) 783-3767

ASSENT MODIFICATION

January 8, 2016

Harbor Light Marina Inc. 200 Gray Street Warwick, RI 02889

RE: Modification of CRMC Assent B 2005-06-151 -- Allow additional disposal location of Central Landfill and allow temporary dewatering of dredge material in parking area for 70-80 CY of material. Site Address: 200 Gray Street; Warwick; Plat: 378 Lot: 1, 181, 2

Dear Sirs:

The Rhode Island Coastal Resources Management Council has reviewed your request for modification of assent no. <u>B2005-06-151</u> and approves the modification with the following alterations to stipulations:

Stipulations of Approval:

- 1. All stipulations and conditions of the original Assent remain in effect.
- 2. The Central Landfill may be utilized as a dredge material disposal location in addition to the CAD cell in the Providence River.
- 3. Material shall be dewatered in the parking area in a sufficiently sized containment area that is constructed of concrete block or jersey barrier with the seams covered in filter fabric and the entire dewatering basin surrounded by hay bales.
- 4. If odor becomes an issue in the opinion of the CRMC, lime or other suitable material shall be mixed into the dredge material to mitigate the problem.

In accordance with revisions to RIGL 46-23-6.3 Expiration Tolling Periods (as amended effective June 19, 2015), all work being permitted must be completed on or before <u>July 1, 2019</u> after which date this assent is null and void, (unless written application requesting an extension is received by CRMC sixty (60) days prior to expiration date).

Sincerely,

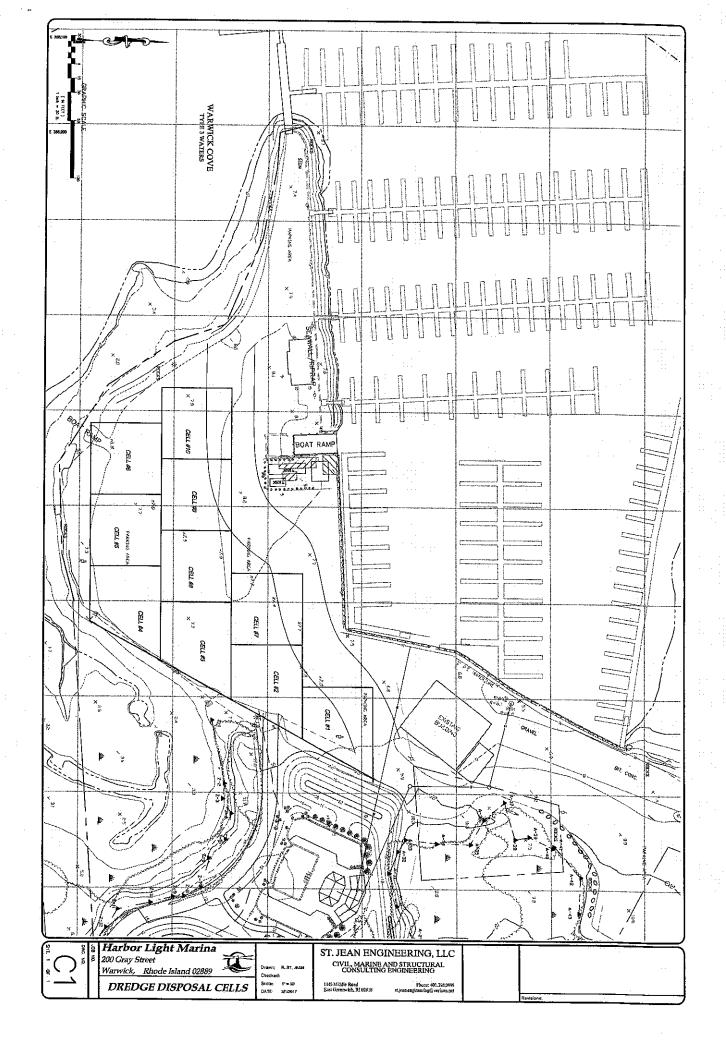
Grover J. Fugate, Executive Director Coastal Resources Management Council Harbor Lights Marina is seeking permission for the city of Warwick to use dredge spoils from the marina basin to increase the elevation of the existing parking lot over the next ten years.

- 1. The project will excavate over the next ten years approximately 200 yards of sediment per year.
- Sediment will be excavated using a barge mounted excavator during normal daylight
 working hours up to seven days a week during permitted dredge windows established by
 Coastal Resources
- 3. The material will be stored on a site in the parking lot for dewatering (jersey barriers, hay bales)
- 4. Odor control in the past has not be necessary due to the minimal organic content of the material but if it becomes a problem will be addressed with the application of lime.
- 5. The material can be classified as sandy silt.
- 6. Once the dredge material has dried, to where it can be handled with a backhoe without free water dripping, an area within the parking lot will be selected and excavated to a depth of 1 foot or more, and a width and length suitable to hold the estimated amount dredged during the that calendar year.
- 7. The existing parking lot material will then be mixed with the dredge material and graded and compacted into the site chosen for that particular year.
- 8. All areas will be graded to minimize the disruption of parking and the winter storage of boats
- 9. In the event we have an excess of dredge spoils during a seasonal dredge window Harbor Lights will dispose of the material at the landfill as alternative cover

Thank You

Joseph Noel

Harbor Lights





Transmittal

St. Jean Engineering, LLC

1145 Middle Road East Greenwich, Rhode Island 02818 (401)398-0999, st.jean.engineering@verizon.net

TO:	Beverly Hall, Council Clerk
	City of Warwick, Rhode Island
	3275 Post Road
	Warwick, Rhode Island

Attention:	Beverly	
Date:	4/28/2017	
RE:	Harbor Lights Marina	
· · ·	Warwick, Rhode Island	
	Proposed Dredging Project	
- 3/-		

Copies Date Description 12 4/24/17 Project Narrative 12 4/24/17 Project Plans, sections, location, locus, grading 12 4/27/17 200 ft. Radius Map with Names and Addresses 12 Varies Certificate of Analysis for Dredge Spoil Samples 12 4/24/17 CRMC / RIDEM Dredge Application 12 4/24/17 Army Corps Application 12 10/20/16 Proof of Ownership 12 Varies Pictures of Project Site	We are t	transmitting	g: ■ herewith	□ under separate cover	□ by mail	
12 4/24/17 Project Narrative 12 4/24/17 Project Plans, sections, location, locus, grading 12 4/27/17 200 ft. Radius Map with Names and Addresses 12 Varies Certificate of Analysis for Dredge Spoil Samples 12 4/24/17 CRMC / RIDEM Dredge Application 12 4/24/17 Army Corps Application 12 10/20/16 Proof of Ownership			□ Originals	□ Shop Drawings	□ Specifications	
12 4/24/17 Project Plans, sections, location, locus, grading 12 4/27/17 200 ft. Radius Map with Names and Addresses 12 Varies Certificate of Analysis for Dredge Spoil Samples 12 4/24/17 CRMC / RIDEM Dredge Application 12 4/24/17 Army Corps Application 12 10/20/16 Proof of Ownership	Copies	Date	Description			
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12 Varies Pictures of Project Site	12	10/20/16	Proof of Ownership			
	12	Varies	Pictures of Project Site			

These items are t	ransmitted :	as	noted:
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□ for approval

□ for your files

■ As requested

■ for your review

Dear Ms. Hall

As discussed, please find enclosed plans and the above documentation for maintenance dredging at Harbor Lights Marina. If you have any questions or need additional information please don't hesitate to call me at your earliest convenience.

Copy to:

Harbor Lights Marina

Sincerely, **By:** Rick St. Jean, P.E.

St. Jean Engineering, LLC

Structural, Marine & Civil Engineering

Licensed In:

Rhode Island Massachusetts Connecticut

Maine

U.S. Virgin Islands

April 24, 2017

APPLICATION FOR MAINTENANCE DREDGING & ASSOCIATED ACTIVITIES

Owner:

Harbor Light Marina, Inc.

Facility Name:

Harbor Light Marina

LOCATION:

200 Gray Street, Warwick, Rhode Island

PROJECT NARRATIVE - Description of Work:

The site is an existing marina along the east shore of the Warwick Cove in Warwick, Rhode Island. The purpose of the dredging will be to remove material adjacent to the existing floating docks to provide adequate depth for recreation vessels. Area within a footprint of approximately 6.75 acres will be periodically dredged, as needed, to a depth of 6 feet below MLLW over a period of 10 years. The bottom of the dredging is within the marina perimeter lines extending to the limits of dredging previously approved by CRMC Assent No. 2005-06-151. A maximum slope of 3 horizontal to 1 vertical to provide a stable slope to the existing mud line. This is the minimum amount necessary to meet the stated purpose. The material will be dredged from the waterside by mechanical means, clamshell or excavator and be place on land within the marina for de-watering/drying. The existing parking lot/boat storage on the south side of the marina will be gridded in $10 - 75^{\circ}x75^{\circ}$ cells with the capacity of each accepting approximately 210 cy of materials, if filled to a height of 1 foot. After the material is dredged and de-watered 1 foot of existing gravel parking lot soil material within 1 or 2 cells will be excavated and mixed with the spoils dredged during the past dredge season. The mixed material will be placed and compacted in the excavated cells.

It is the intention of Harbor Light Marina to perform the maintenance dredging over a period of 10 years. No more than 2,000 yards will be dredged over the life of the permit, with a maximum of 500 cubic yards dredged during any one year. It is understood by the Applicant that the overall estimated quantity of dredge spoils computed in the application exceeds the amount that can be dredged during the 10-year time frame. The application dredge quantities are based on previously approved dredge depths. Dredging will occur as needed on a yearly basis in areas within the marina that have silted in. Dredge depths will extend to a maximum depth of 6 below MLLW. It is further requested that the dredging operations, which are expected to take approximately 6 weeks, be permitted between October 15th through January 31st. The dredge material has been sampled and the results are provided with the application for review.

No dredging will occur within 10 feet to the existing seawall or the toe of existing revetments. Dredging is proposed within the area and to the depths previously dredged. The dredging will not adversely impact the existing structures within the dredge footprint.

Project Specifics:

Water Use Category:

Type 3 (East Greenwich Quad.)

Surface Water Classification: SB

Shoreline Feature:

Manmade Shoreline (Stone Revetment/Steel Sheet Sea Wall)

Water Use Map:

East Greenwich Quadrangle

Lot Area:

 $6.92 \pm acres$ (Landside), $5.80 \pm acres$ (within M.P.L.)

Section 140 B 1)

water dependent activity

Alteration or Activity:

(Table 1A), Commercial, Industrial, Recreational Structures

Project Footprint:

4.23± Acre Waterside

Base Flood Elevation:

14 (NAVD 1988 - FIRM Map No. 440030142H)

Flood Zone:

VE

Project Base Elevation:

7.0 NAVD88

Fill to be Deposited:

N/A

Dredging Proposed:

9,103 cubic yards

Variances Requested:

None

Section 300.1 Criteria:

- 1. The proposed activity is required to provide safe dockage within the existing marina. The area was previously dredged during 1975 (CRMC Assent 1975-07-022) and 2008 (CRMC Assent 1983-03-028).
- 2. All work will comply with local, state and federal requirements. A RIDEM Water Quality Certification and a U.S. Army Corps of Engineers Permit will be required.
- 3. The work will be conducted in CRMC Type 3 waters on the east shore of Warwick Cove. The project is the site of an existing marina.
- 4. The dredging proposed is relatively shallow and is within the area previously dredged. No significant erosion or deposition will occur.
- 5. The area to be dredged is in an area where shell fishing is prohibited. The dredging will be confined to an approximate 6-week time frame. Finfish and shellfish habitat will return after dredging to its previous condition.
- 6. Public access will remain unchanged by the project. The property is located at 200 Gray Street. The use of tidal waters and adjacent shores will not be impacted by the project.
- 7. The in-water work will be surrounded at all times with a silt curtain only if required by CRMC to contain sediment plumes which may result from disturbance during dredging operations.
- 8. No change of water quality is expected as a result of the dredging. There will be no discharges associated with the work.

- 9. There will be no impact to historical or archeological areas. The areas to be dredged are within areas previously dredged and exposed to disturbance.
- 10. No change in use of the site is requested.
- 11. The site as seen from the shore and the water will remain unchanged.

The Applicant believes that the proposed activity poses little impact or threat to coastal resources, and is in line with the goals and policies of the Coastal Resource Management Council.

Section 300.2 Criteria: (Filling, Removing, or Grading of Shoreline Features)

- D.1 Standards for filling, removal or grading
 - a) Fill slopes are proposed at 1:20 (approximately 3 deg.) in the parking lot adjacent to disposal cells, and 1:6 (approximately 10 deg.) adjacent to the dewatering area.
 - b) No excess material is anticipated. The on-site disposal cells have sufficient capacity to storage the anticipated dredge spoils. Fill material consists of accumulated sand and silt dredge from the marina. No debris is anticipated. Dredge spoils will not be re-deposited in tidal waters or on a coastal feature. The dredge spoils will be disposed of in the existing parking/boat storage areas.
 - c) All disturbed upland areas will be graded in accordance with section D1.1 a) above. Dredge spoils mixed with gravel from the existing parking lot will be compacted and graded to prevent erosion. The surface will not be seeded, so no nutrients will be applied.
 - d) No placement of sediments will occur along jetties or groins. Beach nourishment is not requested as part of the project's goals.
 - e) All fill material will be taken from adjacent tidal waters as part of the project (dredging).
 - f) Coastal banks will not be impacted.
 - g) No toxic substances are associated with the proposed activity.

D.2.(a) Earthwork on Shoreline Features:

- 1) The contractor will meet with CRMC, prior to construction, as required by the Assent
- 2) No re-vegetation is proposed for the project. The dredge spoils will be mixed with the existing gravel in the parking lot and re-graded and compacted in the parking lot. The parking lot surface will remain a gravel surface.
- 3) Construction materials consists of dredge spoils from the adjacent tidal waters. All construction materials will be stored and graded on the existing parking/boat storage gravel surface (manmade shoreline).
- 4) See D.1 a) and D.2(a) 2) above.
- 5) Work will be carried out above slopes on coastal features. No work in coastal wetlands is proposed.
- 6) No work in areas considered coastal features, shoreline slope, buffer zone, or area of beach grass is proposed. The disturbed upland areas will be restored to their pre-disturbed condition.
- 7) No concrete structures are proposed.

D.2.(b) Upland earthwork, measures shall be taken to minimize erosion:

- 1) Concrete blocks and hay bales or silt fence will be placed around the entirety of the dewatering area. Hay bales or silt fence will be placed around a disposal cell(s) prior to excavating and mixing the gravel and the dredge spoils.
- 2) Final grades in the individual cells are intended to rise approximately 1 foot above existing grades. Areas extending beyond the edges of the cells will be graded to existing gravel surfaces at a rate of 1 ft. vertical to 20 ft. horizontal.
- 3) See D.1 a) and D.2(a) 2) above.
- 4) N/A
- 5) N/A
- 6) N/A
- D.2.(c) Disturbance of steep slopes (over 15 percent):

N/A

Section 300.9 Criteria: (Dredging and Dredged Material Disposal)

- E.1. The dredge spoils are proposed to be disposed of on site in the southern parking/boat storage lot of the marina. After disposal, the grade of the parking/boat storage lot will be raised by an average of 1 foot in the area of disposal. The soundings shown on the plans were compiled by Steele Associates Marine Consultants on 11/10/2016 and represent average water depths on that date.
- E.2. The dredging will be accomplished from the water with a clamshell bucket mounted on a crane, sitting on a barge.
- E.3. Sample results indicate that the material is mostly fine silt. Turbidity should not be a problem and the contractor will employ a silt curtain if required by the permits.
- E.4. The Applicant requests that dredging be allowed during the approved dredge window (October 15th to January 31st).
- E.5. The Applicant will be applying for a Maintenance Dredge permit with CRMC and the RIDEM. The full marina was last dredged approximate 10 years ago, and periodic maintenance dredging has occurred since under Assent 2005-06-151. It is expected that approximately 200 cubic yards will be maintenance dredged every year with a maximum 10-year total of 2,000 cy for the duration of the permit. The applicant requests that the duration of the permit extend a minimum of 10 years
- E.6. Sampling has been conducted over the last 2 years, at the request of CRMC, for upland disposal of the dredge spoils under Assent 2005-06-151. The Applicant is submitting the last 2 years of sample results as part of the application.
- E.7. N/A

- F. 1. Standards for Dredging
- a. Bottoms of dredged areas will slope downward into waterways where applicable.
- b. Bottoms of dredged areas will slope downward at a minimum rate of 3 horizontal to 1 vertical. Dredged areas will not be deeper than the 6 ft (MLLW) depth of the adjacent federal channel
- c. No dredging will occur in close proximity to existing bulkheads/seawalls and/or revetments.
- d. Shellfish will not be harvested as part of the dredging. There is no shell fishing allowed in the area to be dredged and the dredge spoils will be mixed with existing gravel and disposed of in the existing parking/boat storage area of the marina.
- e. The toe of proposed dredging is within areas previously disturbed by dredging. Slopes will be carried to the north, south and west within areas previously dredged. There are no structures that will be impacted. The bottom of the dredge footprint is within the marina perimeter lines, sides slopes will be carried outside the perimeter line at a minimum slope of 3 horizontal to 1 vertical.
- F.2. Open water disposal in not proposed for the project.
- F.3. N/A
- F.4. For Upland Disposal
 - a) Dewatering of the dredge spoils will be conducted in gravel parking within the southeast corner of the marina property. The de-watering area will be surrounded by concrete blocks and hay bales or silt fence. Plans are provided showing the de-watering area and details.
 - b) As previously mentioned the dredge spoils are to be mixed with 1 foot of gravel from the existing parking/boat storage lot and placed and compacted in approximately 75 foot square cells. The parking lot grades will be raised approximately 1 foot higher in each of the cells after placement. The sides of the cells will be graded to a 1 vertical to 20 horizontal slope blended to the existing grades.
 - c) N/A
 - d) Provided above.
- F.5. N/A

WATER QUALITY REQUIREMENTS:

Impact Avoidance:

- 1. The primary purpose for dredging is to restore adequate water depth within the Harbor Light Marina facility (6 below MLW) for recreational boat(s). A marina first showed up in a 1972 aerial photo from RIGIS at the location of the Harbor Light Marina at 200 Gray Street. The Applicant is proposing to dredge around the existing docks and in the fairways in order to maintain permitted water depths and provide safe access to and within the existing marina.
- 2. The proposed activity is water dependant and requires access to coastal waters as a central element of its primary purpose (e.g. Boat Dockage). There are no freshwater wetlands associated with the proposed project.
- 3. There is no other area within the same property or other property owned or controlled by the applicant that could be used to achieve the same project purpose. The location of the proposed activity is in keeping with historical use of the Harbor Light Marina and is located in an area that was previously dredged thereby limiting its' impact.
- 4. There are no other areas not currently owned or controlled by the applicant which would not involve considerably more alteration to achieve the same objective.
- 5. There are no freshwater wetlands adjacent to the area to be dredged. Additionally, dredging somewhere else on the property would require significant disturbance and not achieve the project objective.
- 6. The Harbor Light Marina has been the site of a recreational marina for more than 44 years. The property is zoned properly for the activity. Furthermore, the infrastructure, parcel size, and landside facilities are adequate for the existing and intended use. The marina is adjacent to a federal navigation channel with a design depth of 6 feet below MLLW.
- 7. There are no freshwater wetlands on the site. There are no reasonable alternatives available to restore the required depth without dredging. The Applicant believes the proposed activity will not result in significant adverse consequences to the public health and safety, and/or the environment.

Impact Minimization:

1. The primary purpose of the proposed project is to restore water depths in the vicinity of the existing docks. The dredge footprint and depth are the minimum necessary to allow for safe dockage and access to the docks during mean low water (MLLW) and restore the area to it's previous depth. The applicant is requesting a dredge depth of minus six (-6) feet MLLW as the minimum necessary to maintain the future effectiveness of this resource.

- 2. The proposed location provides the minimum impact to the seaward resource and no impact to upland areas. It remains the best location to achieve the primary project purpose. Furthermore, since the area is an established recreational boating area, it represents an area where the least impact to coastal waters will occur due to the proposed activity.
- 3. As previously stated in item no. 5 above, the proposed design represents the least impact to the coastal system while still achieving the primary project purpose.
- 4. The applicant does not believe that the proposed activity, the removal of accumulated bottom sediments, will result in significant adverse consequences to public health and safety and/or long term adverse consequences to the environment.

Project Contact Personnel:

The responsible contact persons for the Project who will be able to answer questions pertaining to this application and permit compliance during construction will be the following:

Owners Representative:

Joseph Noel

Phone: (401)737-6353

Harbor Light Marina

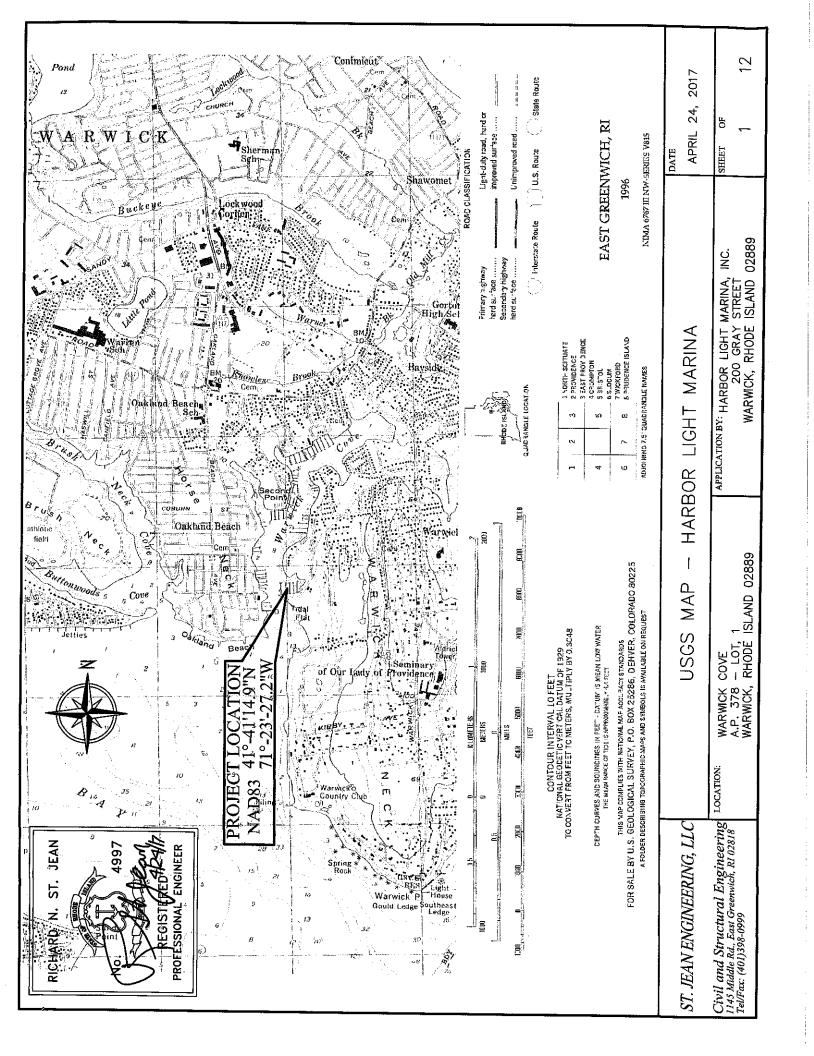
Engineer:

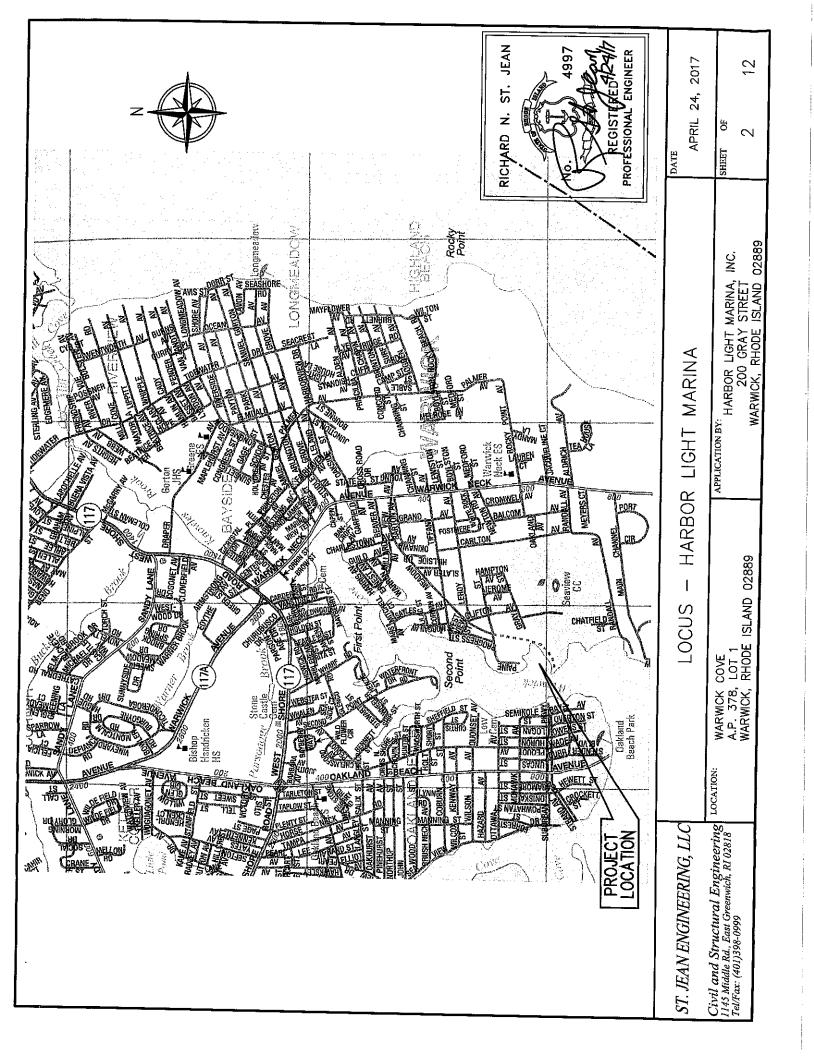
Richard St. Jean, P.E.

Phone: (401)398-0999

St. Jean Engineering, LLC

Application Prepared By: Richard St. Jean, P.E.





GENERAL NOTES:

- 1. LOCATION OF BUILDINGS, PROPERTY LINES, EXISTING MARINA PERIMETER LINES TAKEN FROM PLAN ENTITLED "OVERALL SITE PLAN FOR HARBOR LIGHT MARINA, SITUATED ON GRAY STREET, WARWICK, RHODE ISLAND, PREPARED FOR HARBOR LIGHT MARINA". PLAN PREPARED BY GAROLFALO & ASSOCIATES, INC., 85 CORLISS STREET, P.O. BOX 6145, PROVIDENCE, RI. DATED OCTOBER 23, 2003 REV. 11 DATED 8/31/2005. BATHYMETRY WAS TAKEN FROM SURVEY BY STEELE ASSOCIATES MARINE CONSULTANTS, LLC TAKEN ON 11/10/2016 & IS BASED ON MLLW.
- 2. EXISTING MARINA CAPACITY IS 135 BOATS. NO INCREASE IN CAPACITY IS PROPOSED.
- 3. PROJECT COORDINATES BASED ON RHODE ISLAND STATE PLANE (NAD83).
- 4. ALL ELEVATIONS ARE BASED ON MEAN LOW LOW WATER (MLLW). CONTOURS & SPOT ELEVATIONS TAKEN FROM PLANS REFERENCED IN NOTE 1 WERE CONVERTED BY ADDING 1.49 FT. TO THE MSL ELEVATIONS PROVIDED.
- 5. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL, STATE, FEDERAL, AND UTILITY COMPANY REQUIREMENTS AS APPLICABLE AND AS DESCRIBED IN APPROVED PERMITS.
- 6. IT IS THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AS THEY RELATE TO THE WORK. THE CONTRACTOR SHALL REPORT TO THE ENGINEER OF RECORD ALL OBSERVATIONS & DISCREPANCIES BEFORE PROCEEDING WITH ANY WORK.
- 7. UNDERGROUND UTILITIES ARE SHOWN IN APPROXIMATE LOCATION AS OBTAINED FROM DRAWINGS SUPPLIED BY THE OWNER. THE ENGINEER MAKES NO REPRESENTATION THAT ALL UTILITIES PRESENT ON AND BELOW THE SITE ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL NOTIFY DIG SAFE AND VERIFY EXACT LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO THE START OF ANY CONSTRUCTION. THE ENGINEER ASSUMES NO LIABILITY FOR DAMAGE IF THE CONTRACTOR BREACHES ANY UTILITY LINE. THE OWNER ASSUMES RESPONSITILITY TO PROPERLY RE-LOCATE THEIR UTILITY LINES AND TO REPAIR/REPLACE ALL UTILITIES DAMAGED DUE TO THE WORK DESCRIBED ON THE ATTACHED DRAWINGS.
- 8. MAXIMUM DREDGE DEPTHS SHALL BE -6 FEET BELOW MLLW. MAXIMUM DREDGE QUANTITY OVER THE LIFE OF THE PERMIT SHALL BE 2,000 CUBIC YARDS.
- 9. THE CONTRACTOR/OWNER SHALL KEEP A COPY OF THE APPROVED PERMITS ON THE SITE AND SHALL CLOSELY ADHERE TO THE DATES, TIMES, AND CONSTRUCTION PROVISIONS AUTHORIZING THE WORK.
- 10. DREDGE SPOILS ARE TO BE DRIED ON SITE AND DISPOSED OF AT THE STATE LANDFILL AND USED FOR COVER MATERIAL.
- 11. THE MARINA OPERATOR IS INTENDING TO DREDGE UP TO 500 YARDS EACH YEAR AS REQUIRED TO MAINTAIN DESIGN WATER DEPTHS WITHIN THE MARINA.

REVIEW OF THE FLOOD INSURANCE RATE MAP FOR THE CITY OF WARWICK, RHODE ISLAND, KENT COUNTY, MAP NUMBERS 44003C0134H, AND 44003C0142H REVISED SEPTEMBER 18, 2013 INDICATES THAT THE SEAWARD AREA WITHIN THE MARINA LIMITS IS DESIGNATED AS A VE ZONE WITH A BASE FLOOD ELEVATION OF 14. THE FIRM MAP IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988. SEE FIRM FOR OTHER ZONE DESIGNATIONS.

RICHARD N. ST. JEAN PROFESSIONAL ENGINEER

DATE

SHEET

St.	Jean
	Engineering

Tel/Fax: (401)398-0999

HARBOR LIGHT MARINA - GENERAL NOTES DREDGING PLANS & NEW SEAWALL

RICHARD ST. JEAN, P.E.

APRIL 24, 2017

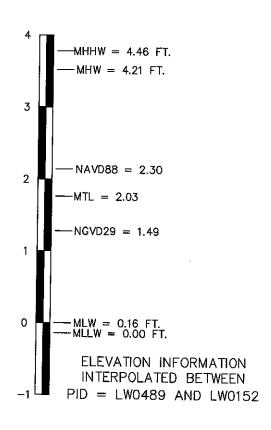
LLCCivil and Structural Engineering l 145 Middle Rd., East Greenwich, RI 02818

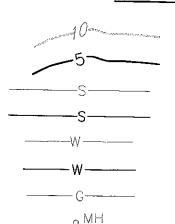
LOCATION: WARWICK COVE AP 378, LOT 1 WARWICK, RI, 02889 APPLICATION BY: HARBOR LIGHT MARINA, INC. 200 GRAY STREET WARWICK, RHODE ISLAND 02889

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EXISTING CONTOUR PROPOSED CONTOUR EXISTING SEWER PROPOSED SEWER EXISTING WATER LINE

PROPOSED WATER LINE EXISTING GAS LINE

EXISTING MANHOLE

PROPOSED MANHOLE

EXISTING CATCH BASIN

EXISTING BUILDING

EXISTING SPOT GRADE

PROPOSED SPOT GRADE

EXISTING STONE WALL EXISTING FENCE LINE

EXISTING HYDRANT

EXISTING POLE

SHORE LINE

SITE LIGHTING

PROPERTY LINE/M.P.L.

GRANITE BOUND

IRON PIN

STAKE

DREDGE SAMPLE LOCATION

FLOOD

BORING LOCATION ST. JEAN

REGISTERED PROFESSIONAL ENGINEER

ABBREVIATIONS

U. O. N.	UNLESS OTHERWISE NOTED
N. T. S.	NOT TO SCALE
I. A. W.	IN ACCORDANCE WITH
TYP.	TYPICAL
R & D	REMOVE AND DISPOSE
BIT.	BITUMINOUS CONCRETE
F. F.	FINISH FLOOR
T. O. F.	TOP OF FOUNDATION
M. P. L.	MARINA PERIMETER LINE
S.J.E.	ST. JEAN ENGINEERING LLC
S. F.	SQUARE FOOT

EXISTING

MINIMUM

SEWER MANHOLE DRAINAGE MANHOLE

HOT DIPPED GALVANIZED STAINLESS STEEL

LOCATION:

WARWICK COVE AP 378, LOT 1 WARWICK, RI,

RI, 02889

ST. JEAN ENGINEERING, LLC

EXTG.

SMH

DMH

MIN.

HDG

SS

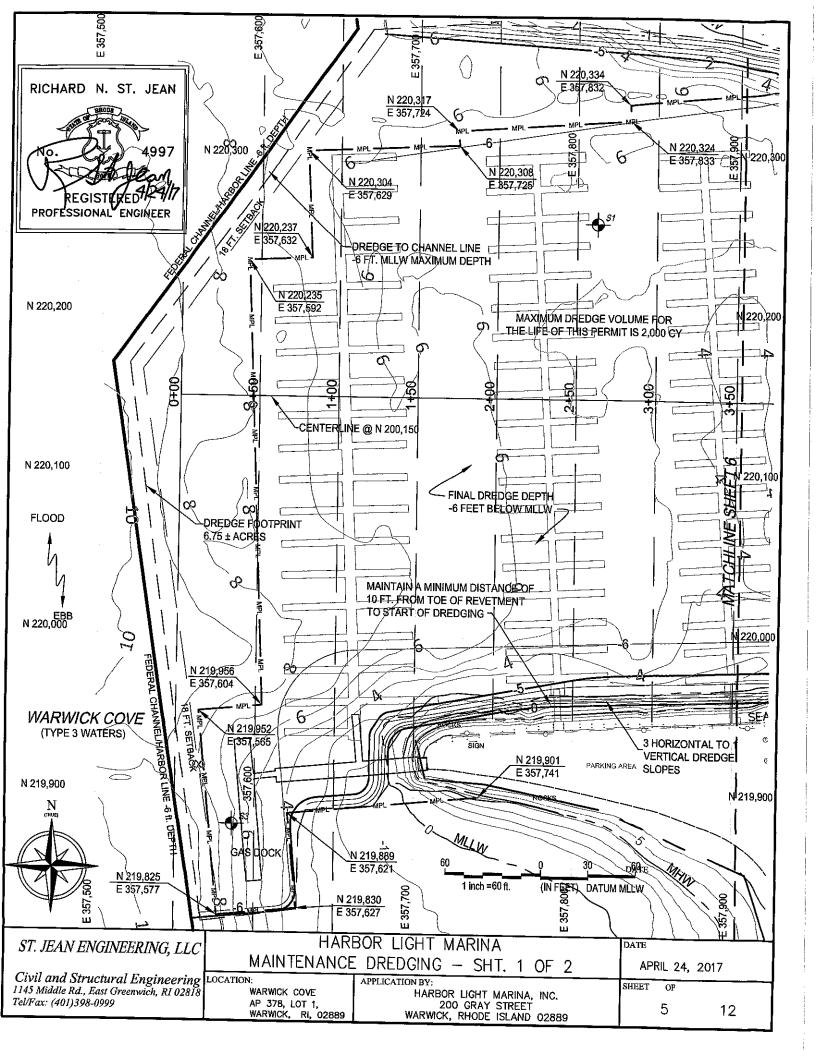
Civil and Structural Engineering 1145 Middle Rd., East Greenwich, RI 02818 Tel/Fax: (401)398-0999

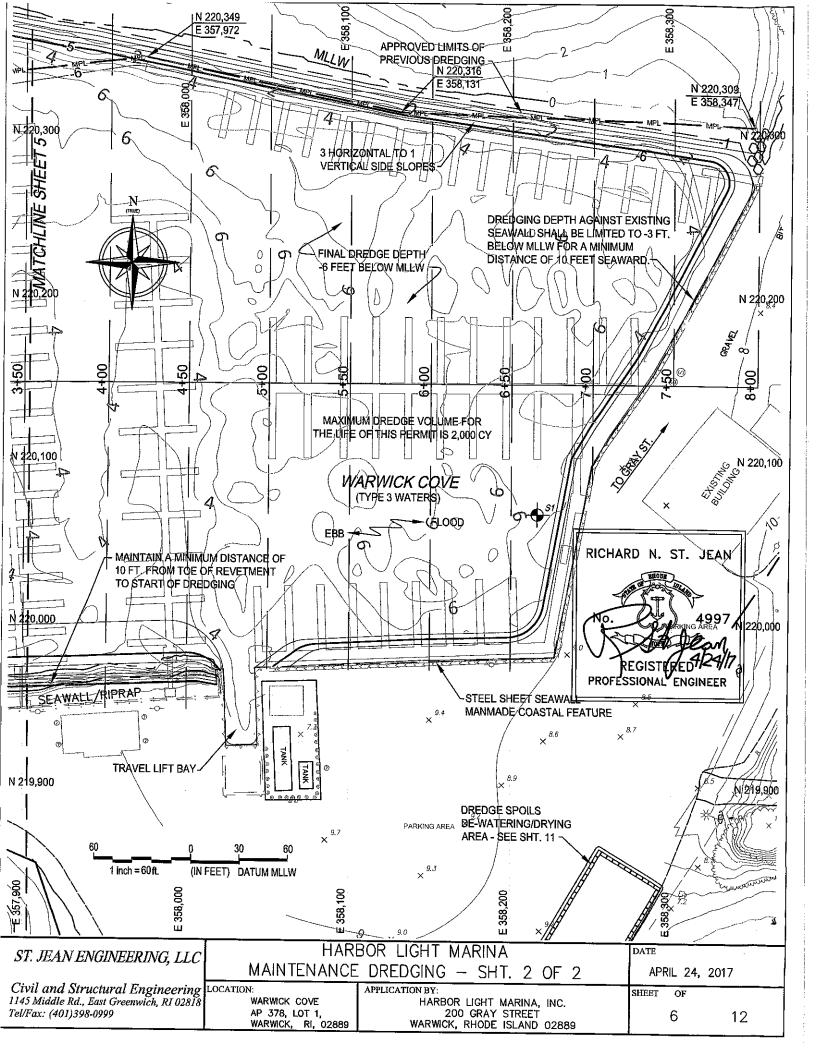
HARBOR LIGHT MARINA LEGEND & ABBREVIATIONS

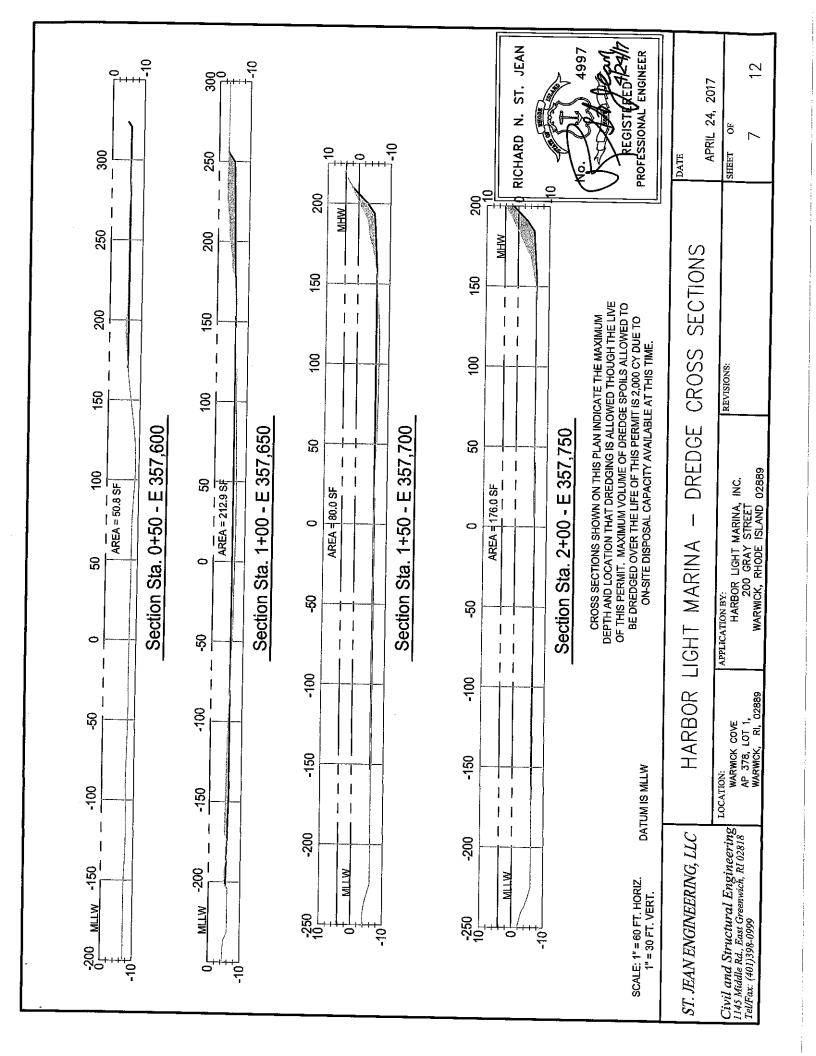
APPLICATION BY:

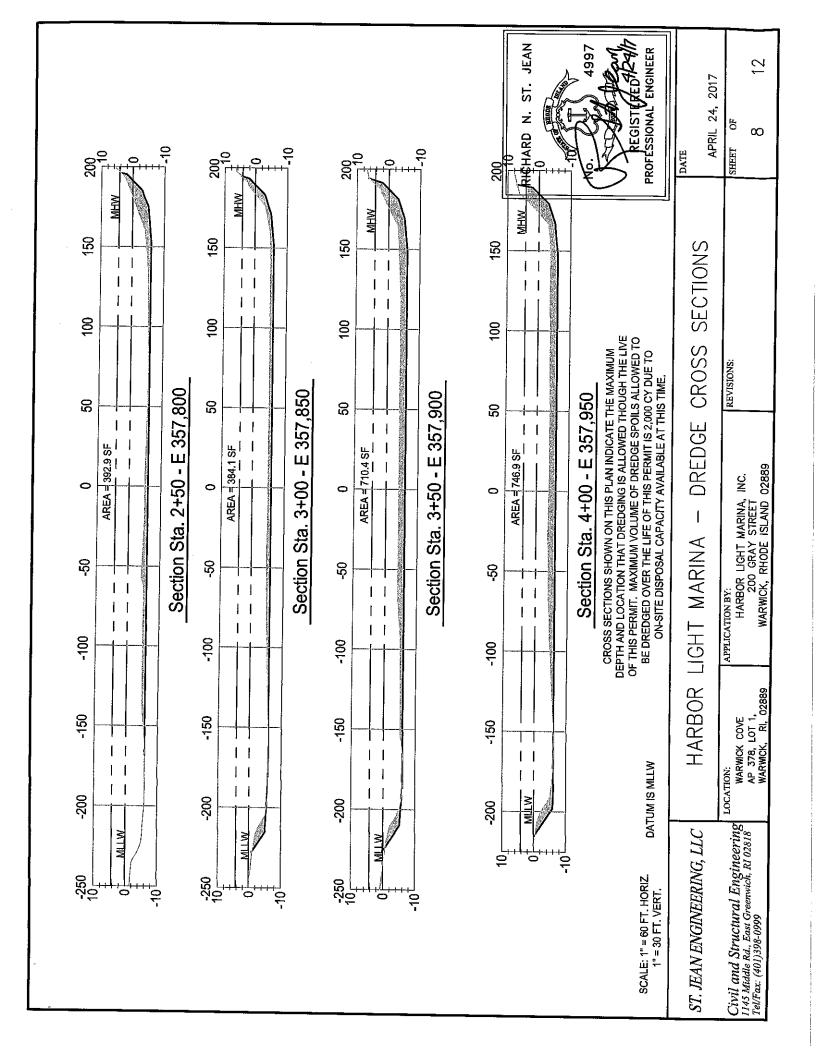
HARBOR LIGHT MARINA 200 GRAY STREET
WARWICK, RHODE ISLAND 02889

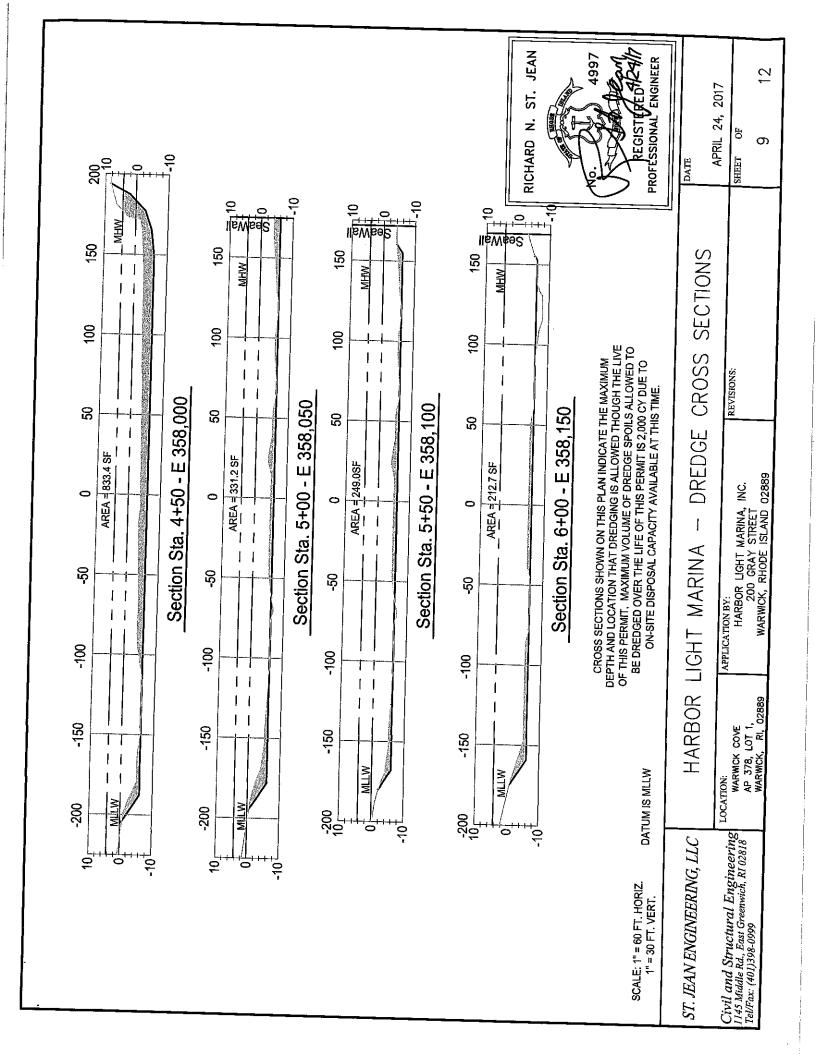
APRIL 24, 2017 SHEET OF 4 12

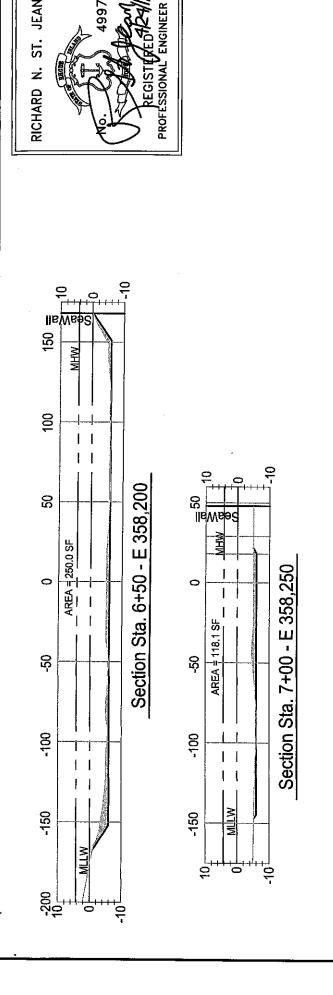












ST. JEAN

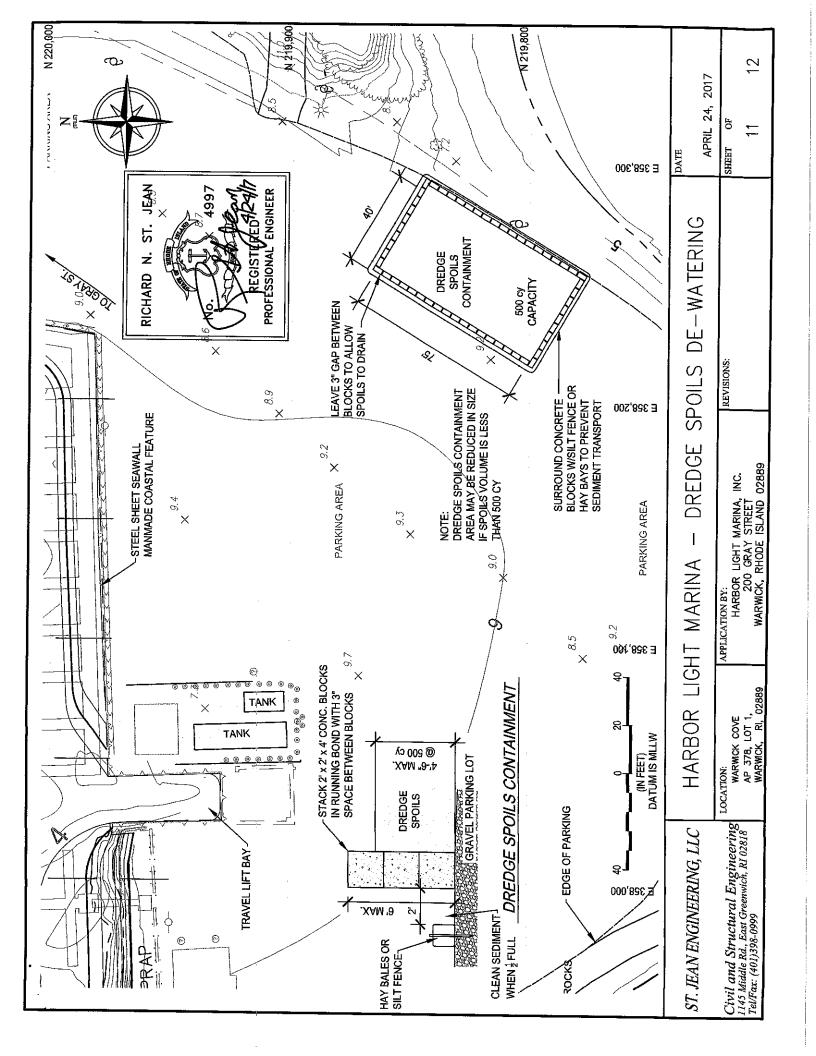
CROSS SECTIONS SHOWN ON THIS PLAN INDICATE THE MAXIMUM Section Sta. 7+50 - E 358,300 SebWall ညှ AREA = 167.1 SF , -150 10 10 0

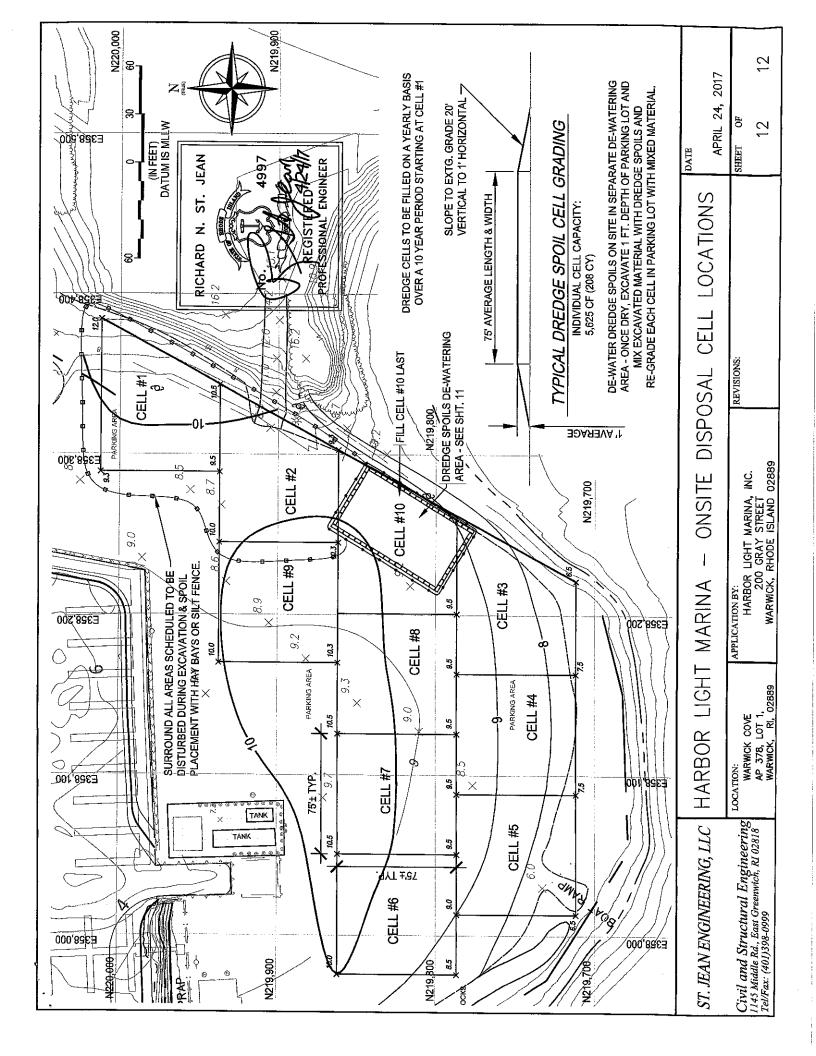
DEPTH AND LOCATION THAT DREDGING IS ALLOWED THOUGH THE LIVE OF THIS PERMIT. MAXIMUM VOLUME OF DREDGE SPOILS ALLOWED TO BE DREDGED OVER THE LIFE OF THIS PERMIT IS 2,000 CY DUE TO ON-SITE DISPOSAL CAPACITY AVAILABLE AT THIS TIME.

SCALE: 1" = 60 FT. HORIZ. 1" = 30 FT. VERT.

DATUM IS MLLW

DIT DINGTH TOTAL TANK TO	THUI ACAAVH	MADINIA DEFICE	SNOITULE 33040	DATE	
SI. JEAIV EIVUIIVEEKUIVU, LLU		MANINA - DINEDGE	CROSS SECTIONS	APRIL 24, 2017	
	LOCATION:	APPLICATION BY:	REVISIONS:	SHEET OF	т
Civil and Structural Engineering	WARWICK COVE	HARBOR LIGHT MARINA, INC.			_
1145 Middle Rd., East Greenwich, RI 02818	AP 378, LOT 1,	200 GRAY STREET		10 12	_
1eurax: (401/338-0399	WARWICK, RI, 02889	WARWICK, RHODE ISLAND 02889		2	_





St. Jean Engineering, LLC

Structural, Marine & Civil Engineering

Licensed In:

Rhode Island Massachusetts

Connecticut

Maine

New Jersey U.S. Virgin Islands

April 27, 2017

Beverly Hall Council Clerk City of Warwick, RI 3275 Post Road, Warwick, RI 02886

Re: Harbor Light Dredge Project

200 Gray Street, Warwick, Rhode Island 02889

Dear Beverly,

Please accept this letter as documentation for the 200-foot radius abutters list for the above referenced project. The parcel associated with the dredge project is owned by Harbor Light Marina, Inc. located at 200 Gray Street, Warwick, Rhode Island, Assessors Map 378, Lot 1.

Harbor Light Marina, Inc, with the mailing address of 200 Gray Street, Warwick, Rhode Island, 02889 owns the follow properties:

Assessors Plat	Lot No.	Name of Owners	Mailing Address
377	177	Harbor Light Marina, Inc.	200 Gray Street, Warwick, RI 02889
377	193	Harbor Light Marina, Inc.	200 Gray Street, Warwick, RI 02889
377	194	Harbor Light Marina, Inc.	200 Gray Street, Warwick, RI 02889
377	195	Harbor Light Marina, Inc.	200 Gray Street, Warwick, RI 02889
377	200	Harbor Light Marina, Inc.	200 Gray Street, Warwick, RI 02889
377	201	Harbor Light Marina, Inc.	200 Gray Street, Warwick, RI 02889
*378	*1	Harbor Light Marina, Inc.	200 Gray Street, Warwick, RI 02889
378	2	Harbor Light Marina, Inc.	200 Gray Street, Warwick, RI 02889
378	4	Harbor Light Marina, Inc.	200 Gray Street, Warwick, RI 02889
378	5	Harbor Light Marina, Inc.	200 Gray Street, Warwick, RI 02889
378	6	Harbor Light Marina, Inc.	200 Gray Street, Warwick, RI 02889
378	181	Harbor Light Marina, Inc.	200 Gray Street, Warwick, RI 02889

^{*} A.P. 378, Lot 1 is the parcel where the dredge activity will occur.

Harbor View Holding Company, LLC owns the following property within the 200-foot project site radius:

Assessors Plat	Lot No.	Name of Owners	Mailing Address
378	157	Harbor View Holding Co, LLC	150 Gray Street, Warwick, RI 02889

Joseph M. and Deborah L. Rameaka own the following property within the 200-foot project site radius:

Assessors Plat	5	Name of Owners	Mailing Address
378	155	Rameaka, Joseph M. Rameaka, Deborah L.	160 Gray Street, Warwick, RI 02889

Larry F. and Sharon A. Defreitas own the following property within the 200-foot project site radius

Assessors Plat	Lot No.	Name of Owners	Mailing Address
378	156	Defreitas, Larry F. Defreitas, Sharon A.	136 Gray Street, Warwick, RI 02889

I trust this letter, and the accompanying radius map will be sufficient for your use going forward.

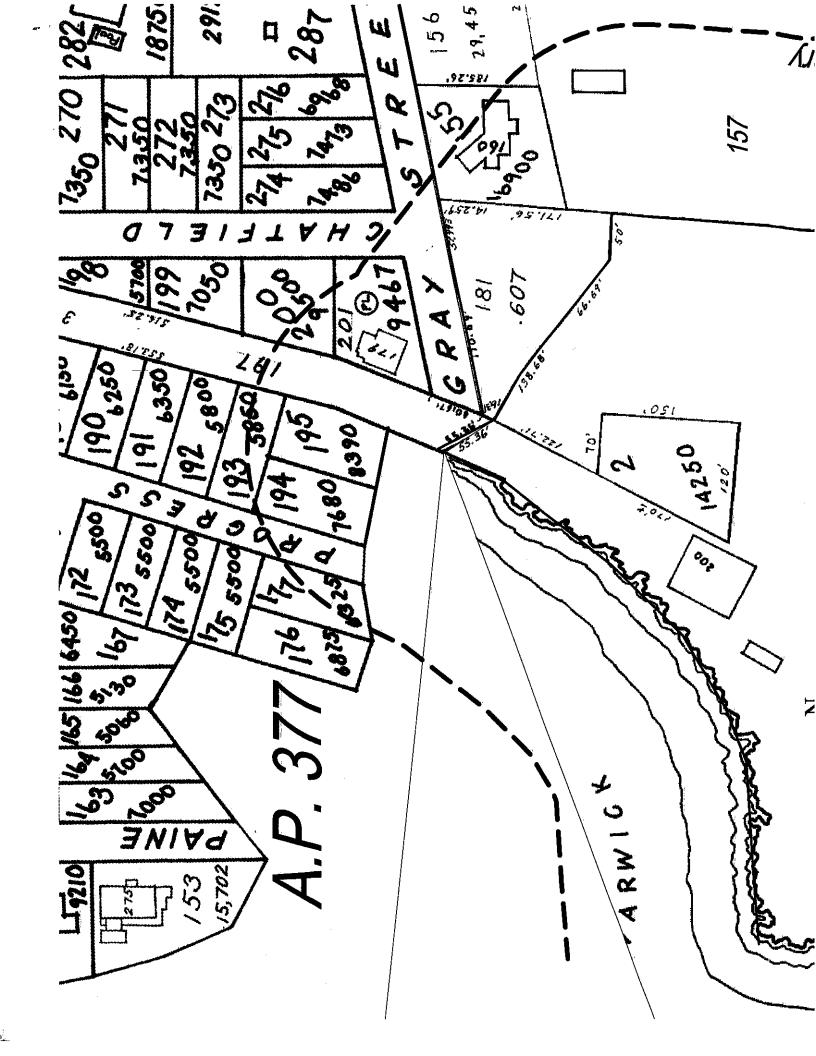
Sincerely,

St. Jean Engineering, LLC

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		Hai	rbor Light	rbor Light Marina - 200 foot Abutters List	utters list		
Plat	Lot	Owner	No.	Street	Mailing Address	Zoning	Description
378	П	Harbor Light Marina Inc.		200 Gray	Harbor Light Marina, Inc 200 Gray Street Warwick RI 02889	333 Shipyari WB - A40 4 Bldgs.	Shipyard 4 Bldgs.
378	2	Harbor Light Marina Inc.		Rand Street	Harbor Light Marina, Inc 200 Gray Street Warwick, RI 02889	700 A40	Vacant Land
378	4	Harbor Light Marina Inc.		Chatfield Street	Harbor Light Marina, Inc 200 Gray Street Warwick, RI 02889	700 A40 PRD	Vacant Land
378	ហ	Harbor Light Marina Inc.		Lexington Street	Harbor Light Marina, Inc 200 Gray Street Warwick, RI 02889	700 A40	Vacant Land
378	9	Harbor Light Marina Inc.		Chatfield Street	Harbor Light Marina, Inc 200 Gray Street Warwick, RI 02889	700 A40 PRD	Vacant Land
378	157	Harbor View Holding Co, LLC	150	150 Gray	Harbor View Holding Co, LLC 200 Gray Street Warwick, RI 02889	333 A40 PRD	Golf Course 2 Bldgs.
378	155	Rameaka, Joseph M Rameaka, Deborah L	160	160 Gray Street	Joseph Rameaka Deborah Rameaka 160 Gray Street Warwick, RI 02889	101 A15	Single Family
378	156	Defreitas, Larry F	136	136 Gray Street	Larry Defreitas	101	Single Family

	Description		Vacant Land	Single Family					
	Zoning	A15	113 A15	700 A40	700 A40	700 A40	700 A40	100 A10	101 A10
utters List	Mailing Address	Sharon Defreitas 136 Gray Street Warwick, RI 02889	Harbor Light Marina, Inc 200 Gray Street Warwick, RI 02889	Harbor Light Marina, Inc 200 Gray Street Warwick, RI 02889	Harbor Light Marina, Inc 200 Gray Street Warwick, RI 02889	Harbor Light Marina, Inc 200 Gray Street Warwick, RI 02889	Harbor Light Marina, Inc 200 Gray Street Warwick, RI 02889	Harbor Light Marina, Inc 200 Gray Street Warwick, RI 02889	Harbor Light Marina, Inc 200 Gray Street Warwick, RI 02889
Harbor Light Marina - 200 foot Abutters List	Street		Gray Street	Progress Street	Progress Street	Progress Street	Progress Street	Chatfield Street	179 Chatfield Street
arbor Light	No.							, ,	179
	Owner	Defreitas, Sharon A	Harbor Light Marina Inc.						
	Lot		181	177	193	194	195	200	201
	Plat		378	377	377	377	377	377	377





CERTIFICATE OF ANALYSIS

St. Jean Engineering, LLC Attn: Mr. Rick St. Jean 1145 Middle Road East Greenwich, RI 02818

Date Received: 11/4/2015 **Date Reported:** 11/18/2015

P.O. #:

Work Order #: 1511-23901

DESCRIPTION: HARBOR LIGHT MARINA, 200 GRAY ST. WARWICK, RI

Subject sample(s) has/have been analyzed by our Warwick, R.I. laboratory and a subcontracted laboratory

Reference: All parameters were analyzed by U.S. EPA approved methodologies.

The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Data qualifiers (if present) are explained in full at the end of a given sample's analytical results.

Certification #: RI LAI0033, MA M-RI015, CT PH-0508, ME RI00015 NH 2537, NY 11726

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

Data Reporting

enc: Chain of Custody

R.I. Analytical Laboratories, Inc. **CERTIFICATE OF ANALYSIS**

St. Jean Engineering, LLC Date Received: 11/4/2015 Work Order #: 1511-23901

Sample # 001 SAMPLE DESCRIPTION: S1 **SAMPLE TYPE:** COMPOSITE

SAMPLE DATE/TIME: 11/04/2015

		DAILY.	ILTE DATE	/11W1E: 11/04/2015		
PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE	
Wet Sieve analysis	See Attached	ZIIIII	CMIIS	•	ANALYZED	ANALYST
% Solids	51.0		0/	ASTM	11/10/2015 0:00	*TH
pН	7.7		%	SM2540G 18-21ed	11/9/2015 10:30	AK
Paint Filter	2.0		SU	SW-846 9045C	11/4/2015 22:40	PTT
Organic Content	2.7	0.1	mls/100gms	SW-846 9095	11/11/2015 11:05	TAH
Total Cyanide	<18	18	%	ASTM D-2974-87	11/16/2015 7:24	КМН
Hexavalent Chromium	<1.6		mg/kg dry	SW-846 9012B	11/10/2015 7:05	KMH
	41.0	1.6	mg/kg dry	SW-846 7196A	11/5/2015 13:40	JDC
TPH						
TPH GC/FID	130	00				
Surrogate	150	98	mg/kg dry	SW-846 8100M	11/10/2015 11:45	KS
2-Fluorobiphenyl	49		RANGE	SW-846 8100M	11/10/2015 11:45	KS
	73		40-140%	SW-846 8100M	11/10/2015 11:45	KS
PCB						
Aroclor-1016	<0.2	0.3				
Aroclor-1221	<0.2	0.2	mg/kg dry	SW-846 8082A	11/9/2015 16:51	JEB
Aroclor-1232	<0.2	0.2	mg/kg dry	SW-846 8082A	11/9/2015 16:51	JEB
Areclor-1242	<0.2	0.2	mg/kg dry	SW-846 8082A	11/9/2015 16:51	JEB
Aroclor-1248	<0.2	0.2	mg/kg dry	SW-846 8082A	11/9/2015 16:51	JEB
Aroclor-1254	<0.2	0.2	mg/kg dry	SW-846 8082A	11/9/2015 16:51	JEB
Aroclor-1260	<0.2	0.2	ing/kg dry	SW-846 8082A	11/9/2015 16:51	JEB
Surrogate	-0.2	0.2	mg/kg dry	SW-846 8082A	11/9/2015 16:51	JEB
Tetrachloro-m-xylene (TCMX)	46		RANGE	SW-846 8082A	11/9/2015 16:51	JEB
Decachlorobiphenyl	49		30-150%	SW-846 8082A	11/9/2015 16:51	JEB
Extraction Date	49		30-150%	SW-846 8082A	11/9/2015 16:51	JEB
				SW-846 3546	11/5/2015 15:35	JM
Volatile Organic Compounds						4 2
Benzene	<0.40	0.40				
Bromobenzene	<0.40	0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
Bromochloromethane	<0.40	0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
Bromodichloromethane		0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
Bromoform	<0.40	0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
Bromomethane	<0.40	0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
n-Butylbenzene	<0.40		mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
Sec-butylbenzene	<0.40		mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
tert-Butylbenzene	<0.40		mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
Carbon Tetrachloride	<0.40		mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
Chlorobenzene	<0.40		mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
Chloroethane	<0.40		mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
Chloroform	<0.40		mg/kg dry	SW-846 8260C	11/9/2015 18:46	K.F
Chloromethane	<0.40		mg/kg dry	SW-846 8260C	11/9/2015 18:46	K.F
	<0.40	0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	
						KF

R.I. Analytical Laboratories, Inc. CERTIFICATE OF ANALYSIS

St. Jean Engineering, LLC Date Received: 11/4/2015 Work Order #: 1511-23901

Sample # 001 SAMPLE DESCRIPTION: S1 SAMPLE TYPE: COMPOSITE

SAMPLE DATE/TIME: 11/04/2015

			WILL DE DAT	E/LIVIE: 11/04/20	15	
PARAMETER	SAMPL		•			
2-Chlorotoluene	RESULI	S LIM	IT UNITS	METHOD	DATE	
4-Chlorotoluene	< 0.40	0.40	mg/kg dry		ANALYZED	ANALYST
Dibromochloromethane	<0.40	0.40	mg/kg dry	~ 0 10 0200C	11/9/2015 18:46	KF
1,2-Dibromo-3-Chloropropane	<0.40	0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
1,2-Dibromoethane(EDB)	< 0.40	0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
Dibromomethane	< 0.40	0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
1,2-Dichlorobenzene	< 0.40	0.40		SW-846 8260C	11/9/2015 18:46	KF
1,3-Dichlorobenzene	< 0.40	0.40	mg/kg dry mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
1,4-Dichlorobenzene	< 0.40	0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
Dighton did.	< 0.40	0.40		SW-846 8260C	11/9/2015 18:46	KF
Dichlorodifluoromethane 1,1-Dichloroethane	< 0.40	0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
	< 0.40	0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	
1,2-Dichloroethane	< 0.40	0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
1,1-Dichloroethene	< 0.40	0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
cis-1,2-Dichloroethene	< 0.40	0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
trans-1,2-Dichloroethylene	<0.40	0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
1,2-Dichloropropane	<0.40	0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
1,3-Dichloropropane	<0.40		mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
2,2-Dichloropropane	<0.40	0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
1,1-Dichloropropene	<0.40	0.40	mg/kg dry	SW-846 8260C	***	KF
Ethylbenzene	<0.40	0.40	mg/kg dry	SW-846 8260C	· · · · · · · · · · · · · · · · · · ·	KF
Hexachlorobutadiene	<0.40	0.40	mg/kg dry	SW-846 8260C	****	KF
Isopropylbenzene	<0.40	0.40	mg/kg dry	SW-846 8260C		KF
p-Isopropyltoluene	<0.40	0,40	mg/kg dry	SW-846 8260C	****	KF
Methylene Chloride	<0.99	0.40	mg/kg dry	SW-846 8260C		KF
n-Propylbenzene	<0.40	0.99	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
Naphthalene		0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
Styrene	<0.40	0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
1,1,1,2-Tetrachloroethane	<0.40	0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
1,1,2,2-Tetrachloroethane	<0.40	0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
Tetrachloroethene	<0.40	0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
Toluene	<0.40	0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
1,2,3-Trichlorobenzene	<0.40	0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
1,2,4-Trichlorobenzene	<0.40	0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
1,1,1-Trichloroethane	<0.40	0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
1,1,2-Trichloroethane	<0.40	0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
Trichloroethene	<0.40	0.40	mg/kg dry		11/9/2015 18:46	KF
Trichlorofluoromethane	<0.40		mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
1,2,3-Trichloropropane	<0.40		mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
1,2,4-Trimethylbenzene		A 15	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
1,3,5-Trimethylbenzene		4	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
Vinyl Chloride	<0.40		mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
y- Santrigo	A A A	·	ng/kg dry	SW-846 8260C	11/9/2015 18:46	KF
		- 1	weve my	SW-846 8260C	11/9/2015 18:46	KF
						VL.

R.I. Analytical Laboratories, Inc. CERTIFICATE OF ANALYSIS

St. Jean Engineering, LLC Date Received: 11/4/2015 Work Order #: 1511-23901

Sample # 001 SAMPLE DESCRIPTION: S1

SAMPLE TYPE: COMPOSITE

SAMPLE DATE/TIME: 11/04/2015

omit de l'ile.	COMPOSITE		SAI	MPLE DATE	E/TIME: 11/04/2015		
PARAMETER		SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	43747555
o-Xylene		<0.40	0.40	mg/kg dry	SW-846 8260C		ANALYST
m,p-Xylene		<0.79	. 0.79	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
MTBE		< 0.40	0.40	mg/kg dry	SW-846 8260C	11/9/2015 18:46	KF
2-Butanone(MEK)		<4.0	4.0	mg/kg dry		11/9/2015 18:46	KF
Surrogates				RANGE	SW-846 8260C	11/9/2015 18:46	KF
Dibromofluoromethane		77		70-130%	SW-846 8260C	11/9/2015 18:46	KF
Toluene-d8		82		70-130%	SW-846 8260C	11/9/2015 18:46	KF
4-Bromofluorobenzene		76		70-130%	SW-846 8260C	11/9/2015 18:46	KF
1,2 Dichloroethane-d4		79		70-130%	SW-846 8260C	11/9/2015 18:46	KF
Extraction Date				70-130%	SW-846 8260C	11/9/2015 18:46	KF
					SW-846 5035	11/4/2015 0:00	*CS
Semi-Volatile Organic Comp.							
Acenaphthene		<0.65	0.65		0		
Acenaphthylene		<0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	СМ
Anthracene		<0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	СМ
Benzidine		<0.65		mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Benzo(a)anthracene		<0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Benzo(b)fluoranthene		<0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Benzo(k)fluoranthene		<0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Benzo(g,h,i)perylene		<0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	СМ
Benzo(a)pyrene		<0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	СМ
Bis(2-chloroethyl)ether		<0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	СМ
Bis(2-Chloroethoxy)methane			0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Bis(2-Chloroisopropyl)Ether		<0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Bis(2-ethylhexyl)phthalate		<0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
4-Bromophenyl phenyl ether		<0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Butylbenzyl phthalate		<0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
2-Chloronaphthalene		<0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
4-Chlorophenyl phenyl ether		<0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Chrysene		<0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Dibenzo(a,h)anthracene		<0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	
Di-n-butyl phthalate		<0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
1,2-Dichlorobenzene		<0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
1,3-Dichlorobenzene		<0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
1,4-Dichlorobenzene		÷0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
3,3'-Dichlorobenzidine	<	0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Diethyl phthalate	<	0.65	0.65	mg/kg dry	SW-846 8270D		CM
	<	0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Dimethyl phthalate	<	0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
2,4-Dinitrotoluene	<	0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	СМ
2,6-Dinitrotoluene	<	0.65		mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Di-n-octyl phthalate	<	0.65	_	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
						11/10/2015 12:16	СМ

CERTIFICATE OF ANALYSIS

St. Jean Engineering, LLC Date Received: 11/4/2015 Work Order #: 1511-23901

Sample # 001 SAMPLE DESCRIPTION: S1

SAMPLE TYPE: COMPOSITE

SAMPLE DATE/TIME:	11/04/2015
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	SAMPLE	DET.			DATE	
PARAMETER	RESULTS	LIMIT	UNITS	METHOD	ANALYZED	ANALYST
1,2-Diphenylhydrazine	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	
Fluoranthene	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Fluorene	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Hexachlorobenzene	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Hexachlorobutadiene	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Hexachlorocyclopentadiene	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Hexachloroethane	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Indeno(1,2,3-cd)pyrene	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Isophorone	< 0.65	0,65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
2-Methylnaphthalene	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Naphthalene	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Nitrobenzene	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
N-nitrosodimethylamine	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
N-nitrosodiphenylamine	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
N-nitrosodi-n-propylamine	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Phenanthrene	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Pyrene	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	СМ
1,2,4-Trichlorobenzene	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
4-Chloro-3-methylphenol	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
2-Chlorophenol	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
2,4-Dichlorophenol	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
2,4-Dimethylphenol	< 0.65	0.65	mg/kg dry	SW-846 8270D		CM
2-Methyl-4,6-dinitrophenol	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
2,4-Dinitrophenol	<1.3	1.3	mg/kg dry	SW-846 8270D	11/10/2015 12:16	СМ
2-Nitrophenol	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
4-Nitrophenol	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Pentachlorophenol	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Phenol	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	СМ
2,4,5-Trichlorophenol	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
2,4,6-Trichlorophenol	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
4-Chloroaniline	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Dibenzofuran	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
2-Methyl Phenol	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
3 & 4-Methylphenols	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Aniline	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Acetophenone	<0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Azobenzene	< 0.65	0.65	mg/kg dry	SW-846 8270D	11/10/2015 12:16	CM
Surrogates		- 1.0-0	RANGE	SW-846 8270D	11/10/2015 12:16	CM
Phenoi-d5	28*		30-130%	SW-846 8270D SW-846 8270D	11/10/2015 12:16	CM
2-Fluorophenol	31		30-130%		11/10/2015 12:16	CM
2,4,6-Tribromophenol	43		30-130%	SW-846 8270D	11/10/2015 12:16	CM
			20-13070	SW-846 8270D	11/10/2015 12:16	CM

R.I. Analytical Laboratories, Inc. CERTIFICATE OF ANALYSIS

St. Jean Engineering, LLC Date Received: 11/4/2015 Work Order #: 1511-23901

Sample # 001 SAMPLE DESCRIPTION: S1 SAMPLE TYPE: COMPOSITE

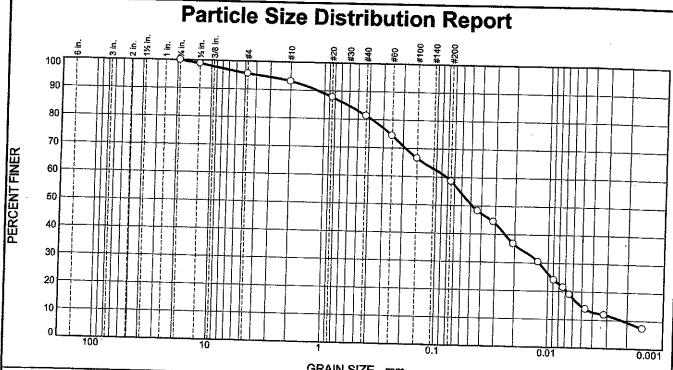
SAMPLE DATE/TIME: 11/04/2015

		SAN	APLE DATI	E/TIME:	11/04/2015		
PARAMETER Nitrobenzene-d5 2-Fluorobiphenyl P-Terphenyl-d14 Semi Extraction date Total Metals Analyzed by ICP	SAMPLE RESULTS 26* 36 32	DET. LIMIT	UNITS 30-130% 30-130% 30-130%	SW-84	HOD 6 8270D 6 8270D 6 8270D	DATE ANALYZED 11/10/2015 12:16 11/10/2015 12:16 11/10/2015 12:16 11/6/2015 10:10	ANALYST CM CM CM AK
Antimony Arsenic Barium Beryllium Cadmium Chromium Copper Lead Manganese Mercury Nickel Selenium Silver Thallium Vanadium Zinc Extraction date ICP Digestion Mercury Digestion Trivalent Chromium	<9.76 5.2 35 <0.098 0.52 26 100 46 180 0.31 12 <9.8 4.2 <4.9 24 120 Extracted	3.9	mg/kg dry	SW-846 SW-846 SW-846 SW-846 SW-846 SW-846 SW-846 SW-846 SW-846 SW-846 SW-846 SW-846 SW-846 SW-846 SW-846 SW-846 SW-846	6 6010C 6010C 6010C 6010C 6010C 6010C 6010C 6010C 6010C 6010C 6010C 6010C 6010C 6010C 6010C 6010C 6010C	11/9/2015 15:06 11/9/2015 15:06 11/9/2015 15:06 11/9/2015 15:06 11/9/2015 15:06 11/9/2015 15:06 11/9/2015 15:06 11/9/2015 15:06 11/9/2015 15:06 11/9/2015 15:06 11/9/2015 15:06 11/9/2015 15:06 11/9/2015 15:06 11/9/2015 15:06 11/9/2015 15:06 11/9/2015 15:06 11/9/2015 15:06 11/9/2015 15:06 11/9/2015 15:06 11/9/2015 15:06 11/9/2015 15:06 11/9/2015 15:06 11/9/2015 15:06 11/9/2015 15:06 11/9/2015 15:06 11/9/2015 15:06 11/9/2015 15:06 11/9/2015 15:06	JRW

The sample for 5035 volatile organics analysis was not received in a methanol preserved vial; the sampl was transferred to a methanol preserved vial upon receipt at the laboratory.

Method 8270: * Surrogate outside the recommended range - Method allows for one acid and one base surrogate to be outside the recommended range.

*TH Wet Sieve analysis performed by Thielsch Engineering, Inc.



GRAIN SIZE - mm % Gravel %+3" % Sand % Fines Coarse Fine Coarse Medium Fine Silt 0.0 Clay 0.0 11.9 22.8 49.1 9.4

PL=

	TEST RESI	JLTS (D422)	
Opening	Percent	Spec.*	Pass?
Size	Finer	(Percent)	(X=Fail)
.75"	100.0		,
.5"	98.8		
#4	95.6	J	
#10	93.2		
#20	87.8]	
#40	81.3	i I	
#60	74.4		
#100	66.5		
#200	58.5]	
0.0434 mm.	48.2		
0.0312 mm.	44.5	l	
0.0206 mm.	36.7		
0.0122 mm.	30.4		
0.0089 mm.	24.0		
0.0073 mm.	21.5		
0.0064 mm.	19.0		
0.0046 mm.	13.9	}	
0.0032 mm.	11.9	1	
0.0015 mm.	7.3	1	

Material Description

Brown sandy silt

Atterberg Limits (ASTM D 4318)

USCS (D 2487)= ML Classification AASHTO (M 145)= A-4(0)

Coefficients D₈₅= 0.6147 D₃₀= 0.0120 C_u= 37.78 D₉₀= 1.1414 D₅₀= 0.0486 D₁₀= 0.0022 $\begin{array}{l} \mathbf{D_{60}} = 0.0825 \\ \mathbf{D_{15}} = 0.0051 \\ \mathbf{C_{c}} = 0.80 \end{array}$

Remarks

Date Received: 11/4/15

Date Tested: 11/10/15

Tested By: GG/JE

Checked By: Matthew Polsky

Title: Laboratory Manager

(no specification provided)

Source of Sample: 1511-23901 Sample Number: S1

Depth: NR

Date Sampled: 11/4/15

Thielsch Engineering Inc.

Client: R.I. Analytical Laboratories, Inc.

Project: R.I. Analytical Laboratories, Inc. Warwick, RI

Cranston, RI

Project No: 74-15-0002.129

Figure 15-S-1152

# of Composite # of Containers & Type # of Containers & Type # of Matrix Code Matrix Code # Of Ma	Company Name: Scribed Experimentation: Company Name: Scribed Experiments of the Project Information and the Scribed Experiments of the Scribed Experiments o	et, S=Soil, SL=Sludge, A=Air, B=Bulk/Solid, WP=Wipe, O=
CHAIN OF CUSTODY RECORD All Illinois Avenue	Company Name: Company Name: City / State / Zip: City / State / Zip: Contact Person: Contact Person: Citcle if applicable: GW-1, GW-2, GW-3, S-1, S-2, S-3 Containers: P-Poly, G-Glass, AG-Amber Glass, V-Vial, SI-Sterile Preservatives: A-Ascorbic Acid, Names College (W-1, GW-2, GW-3, S-1, S-2, S-3) Containers: P-Poly, G-Glass, AG-Amber Glass, V-Vial, SI-Sterile Preservatives: A-Ascorbic Acid, Names College (W-1, GW-2) College (W-1, Direkton Washer, SW-Surface Water, WW-Wastewater, DW-Diricking Washer, College (W-1) College	י יייייי איני איניייי אינייייי אינייייי איניייייי אינייייייי איניייייייי



LABORATORY REPORT

St. Jean Engineering, LLC Attn: Mr. Rick St. Jean 1145 Middle Road East Greenwich, RI 02818

Date Received: Date Reported: 10/14/2016 10/25/2016

P.O. Number

Work Order #: 1610-24388

Project Name: HARBOR LIGHT MARINA - WARWICK

Enclosed are the analytical results and Chain of Custody for your project referenced above. The sample(s) were analyzed by our Warwick, RI laboratory unless noted otherwise. When applicable, indication of sample analysis at our Hudson, MA laboratory and/or subcontracted results are noted and subcontracted reports are enclosed in their entirety.

All samples were analyzed within the established guidelines of US EPA approved methods with all requirements met, unless otherwise noted at the end of a given sample's analytical results or in a case narrative.

The Detection Limit is defined as the lowest level that can be reliably achieved during routine laboratory conditions.

These results only pertain to the samples submitted for this Work Order # and this report shall not be reproduced except in its entirety.

We certify that the following results are true and accurate to the best of our knowledge. If you have

Approved by:

Sharon Baker

MIS / Data Reporting

Laboratory Certification Numbers (as applicable to sample's origin state): Warwick RI * RI LAI00033, MA M-RI015, CT PH-0508, ME RI00015, NH 2070, NY 11726 Hudson MA * M-MA1117, RI LAO00319

Laboratory Report

St. Jean Engineering, LLC

Work Order #: 1610-24388

Project Name: HARBOR LIGHT MARINA - WARWICK

Sample Number:

001

Sample Description:

S3

Sample Type:

COMPOSITE

Sample Date / Time :

10/14/2016 @ 13:00

Wet Sieve with Silt & Clay	Ca. A4411	LIMIT	UNITS	METHOD	DATE/TIME ANALYZED	ANALYST
-	See Attached				10/20/2016 0:00	
ТРН					· · · · · · · · · · · · · · · · · · ·	111
TPH GC/FID	<17	17	mg/kg dry	SW-846 8100M	10/00/00	
Surrogate			RANGE	SW-846 8100M	10/20/2016 12:22	
2-Fluorobiphenyl	73		40-140%	SW-846 8100M	10/20/2016 12:22	, 125
Moisture	39.9		%	SM2540G 18-21ed	10/20/2016 12:22	~ =
РСВ				01/12540G 18-216G	10/17/2016 10:15	NS
Aroclor-1016	<0.1	0.1	11			
Aroclor-1221	<0.1	0.1	mg/kg dry	SW-846 8082A	10/20/2016 15:03	JBW
Aroclor-1232	<0.1	1.0	mg/kg dry	SW-846 8082A	10/20/2016 15:03	JBW
Aroclor-1242	<0.1	0.1	mg/kg dry	SW-846 8082A	10/20/2016 15:03	JBW
Aroclor-1248	<0.1	0.1	ing/kg dry	SW-846 8082A	10/20/2016 15:03	JBW
Aroclor-1254	<0.1	0.1	mg/kg dry	SW-846 8082A	10/20/2016 15:03	JBW
Aroclor-1260	<0.1	0.1	mg/kg dry	SW-846 8082A	10/20/2016 15:03	JBW
Surrogate	-0.1	U.1	mg/kg dry	SW-846 8082A	10/20/2016 15:03	JBW
Tetrachloro-m-xylene (TCMX)	83		RANGE			
Decachlorobiphenyl	68		30-150%	SW-846 8082A	10/20/2016 15:03	JBW
Extraction Date	00		30-150%	SW-846 8082A	10/20/2016 15:03	JBW
Semi-Volatile Organic Comp.				SW-846 3546	10/19/2016 18:30	SRM
Acenaphthene						
Acenaphthylene	< 0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:33	
Anthracene	<0.55	0.55	mg/kg dry	SW-846 8270D		JEB
	<0.55	0.55	mg/kg dry	SW-846 8270D		JEB
Benzidine	<0.55	0.55	mg/kg dry	SW-846 8270D		JEB
Benzo(a)anthracene	<0.55	0.55	mg/kg dry	SW-846 8270D	A B 14	JEB
Benzo(b)fluoranthene	<0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:33	JEB
Benzo(k)fluoranthene	<0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:33	JEB
Benzo(g,h,i)perylene	<0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:33	JEB
Benzo(a)pyrene	<0.40	0.40	mg/kg dry	SW-846 8270D	10/20/2016 20:33	JEB
Bis(2-chloroethyl)ether	< 0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:33	JEB
Bis(2-Chloroethoxy)methane	<0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:33	JEB
Bis(2-Chloroisopropyl)Ether	<0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:33	JEB
Bis(2-ethylhexyl)phthalate	<0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:33	JEB
4-Bromophenyl phenyl ether	< 0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:33	JEB
Butylbenzyl phthalate	< 0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:33	JEB
2-Chloronaphthalene			mg/kg dry	SW-846 8270D	10/20/2016 20:33	JEB
4-Chlorophenyl phenyl ether			mg/kg dry	SW-846 8270D SW-846 8270D	10/20/2016 20:33	JEB
Chrysene			mg/kg dry	SW-846 8270D SW-846 8270D	10/20/2016 20:33	JEB
Dibenzo(a,h)anthracene			mg/kg dry	SW-846 8270D SW-846 8270D	10/20/2016 20:33	JEB
Di-n-butyl phthalate	2.2.		mg/kg dry	SW-846 8270D SW-846 8270D	10/20/2016 20:33	JEB
			J61	□ 11 *070 04/0D	10/20/2016 20:33	JEB

Laboratory Report

St. Jean Engineering, LLC

Work Order #: 1610-24388

Project Name: HARBOR LIGHT MARINA - WARWICK

Sample Number:

001

Sample Description:

S3

Sample Type :

COMPOSITE

Sample Date / Time :

10/14/2016 @ 13:00

	SAMPLE	DET.			DATE/TIME	
PARAMETER	RESULTS	LIMIT	UNITS	METHOD	ANALYZED	ANALYST
1,2-Dichlorobenzene	<0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:	33 JEB
1,3-Dichlorobenzene	< 0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:	
1,4-Dichlorobenzene	<0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:	
3,3'-Dichlorobenzidine	< 0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20::	
Diethyl phthalate	<0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20;	
Dimethyl phthalate	< 0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:	
2,4-Dinitrotoluene	< 0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:3	·
2,6-Dinitrotoluene	< 0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:	
Di-n-octyl phthalate	<0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:3	
1,2-Diphenylhydrazine	<0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:3	
Fluoranthene	<0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:3	- 022
Fluorene	< 0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:3	
Hexachlorobenzene	< 0.40	0.40	mg/kg dry	SW-846 8270D	10/20/2016 20:3	
Hexachlorobutadiene	<0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:3	
Hexachlorocyclopentadiene	<0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:3	
Hexachloroethane	< 0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:3	
Indeno(1,2,3-cd)pyrene	<0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:3	
Isophorone	< 0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:3	- 023
2-Methylnaphthalene	< 0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:3	-
Naphthalene	<0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:3	
Nitrobenzene	< 0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:3	
N-nitrosodimethylamine	< 0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:3	
N-nitrosodiphenylamine	<0.55	0.55	mg/kg dry	SW-846 8270D		-
N-nitrosodi-n-propylamine	< 0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:3: 10/20/2016 20:3:	
Phenanthrene	< 0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:3:	
Pyrene	<0.55	0.55	mg/kg dry	SW-846 8270D		
1,2,4-Trichlorobenzene	< 0.55	0.55	mg/kg dry	SW-846 8270D		123
4-Chloro-3-methylphenol	<0.55	0.55	mg/kg dry	SW-846 8270D		
2-Chlorophenol	< 0.55	0.55	mg/kg dry	SW-846 8270D		
2,4-Dichlorophenol	< 0.55	0.55	mg/kg dry	SW-846 8270D		122
2,4-Dimethylphenol	< 0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:33	
2-Methyl-4,6-dinitrophenol	<0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:33	
2,4-Dinitrophenol	<0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:33	
2-Nitrophenol	<0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:33	
4-Nitrophenol	<0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:33	
Pentachlorophenol	<0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:33	44.5
Phenol	<0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:33	
2,4,5-Trichlorophenol	<0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:33	
2,4,6-Trichlorophenol	<0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:33	0.23,0
4-Chloroaniline	<0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:33	
				5 11 -040 64/UD	10/20/2016 20:33	JEB

Laboratory Report

St. Jean Engineering, LLC Work Order #: 1610-24388

Project Name: HARBOR LIGHT MARINA - WARWICK

Sample Number:

001

Sample Description:

S3

Sample Type:

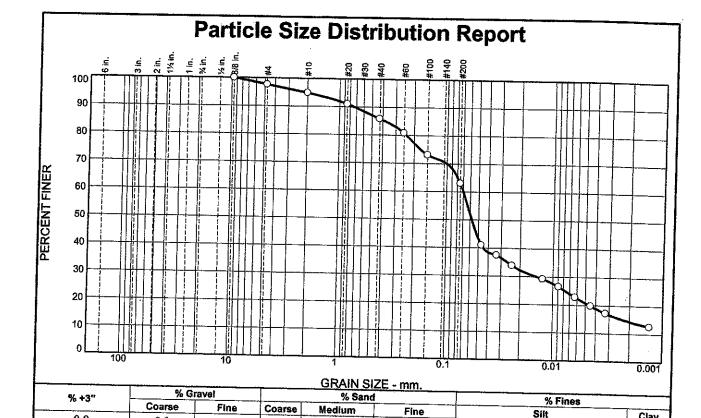
COMPOSITE

Sample Date / Time:

10/14/2016 @ 13:00

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE/TIME ANALYZED	43747777
Dibenzofuran	<0.55	0.55	mg/kg dry	SW-846 8270D		ANALYST
2-Methyl Phenol	< 0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:33	JEB
3 & 4-Methylphenols	< 0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:33	JEB
Aniline	< 0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:33	JEB
Acetophenone	< 0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:33	JEB
Azobenzene	< 0.55	0.55	mg/kg dry	SW-846 8270D	10/20/2016 20:33	JEB
Surrogates			RANGE	SW-846 8270D	10/20/2016 20:33	JEB
Phenol-d5	63		30-130%	SW-846 8270D	10/20/2016 20:33	JEB
2-Fluorophenol	68		30-130%	SW-846 8270D	10/20/2016 20:33	JEB
2,4,6-Tribromophenol	56		30-130%	SW-846 8270D	10/20/2016 20:33	JEB
Nitrobenzene-d5	68		30-130%	SW-846 8270D	10/20/2016 20:33	JEB
2-Fluorobiphenyl	73		30-130%	SW-846 8270D	10/20/2016 20:33	JEB
P-Terphenyl-d14	85		30-130%	SW-846 8270D	10/20/2016 20:33	JEB
Semi Extraction Date			30-13076	SW-846 3546	10/20/2016 20:33	JEB
Total Metals Analyzed by ICP				5 W *040 3340	10/19/2016 18:30	SRM
Arsenic	<4.1	4.1	mg/kg dry	SW-846 6010C	10/10/0016 00	
Cadmium	1.1	0.41	mg/kg dry	SW-846 6010C	10/17/2016 20:02	RBR
Chromium	17	2.5	mg/kg dry	SW-846 6010C	10/17/2016 20:02	RBR
Copper	13	4.1	mg/kg dry	SW-846 6010C	10/17/2016 20:02	RBR
Lead	13	3.3	mg/kg dry	SW-846 6010C	10/17/2016 20:02	RBR
Nickel	8.3	1.6	mg/kg dry	SW-846 6010C	10/17/2016 20:02	RBR
Zinc	49	3.3	mg/kg dry	SW-846 6010C	10/17/2016 20:02	RBR
Percent Solids	60.1		%	SM2540G 18-21ed	10/17/2016 20:02	RBR
TCLP Metals				51425400 16-2160	10/17/2016 10:15	NS
Barium	< 0.50	0.50	mg/l	SW-846 6010C	10/00/00-4	
Selenium	<1.0	1.0	mg/l	SW-846 6010C	10/20/2016 18:39	RBR
Silver	<0.50		mg/l	SW-846 6010C	10/20/2016 18:39	RBR
ICP Digestion				SW-846 3010A	10/20/2016 18:39	RBR
TCLP Extraction	Extracted			SW-846 1311	10/19/2016 23:17	RAT
ICP Digestion				SW-846 3050B	10/18/2016 17:46	AJD
TOTAL METALS				QUEUE UFU- 11 O	10/17/2016 16:52	MYE
Mercury	<0.14	0.14				
Mercury Digestion	~0.14	0.14	mg/kg dry	SW-846 7471B	10/21/2016 14:45	RAT
				SW-846 7471B	10/20/2016 13:37	RAT

^{*}TH Wet Sieve with Silt & Clay analyzed by Thielsch Engineering Inc.



	TEST RESU	JLTS (D422)	
Opening Size	Percent Finer	Spec.* (Percent)	Pass? (X=Fail)
.375	100.0		(0.0000)
#4	97.7		
#10	94.8		
#20	91.0		
#40	85.8		
#60	80.8		
#100	73.1	J	
#200	63.0		
0.0467 mm.	41.0	i	
).0333 mm.	37.5	}	
0.0238 mm.	33.9		
0.0125 mm.	29.2]	
).0089 mm.	26.5	ļ	
).0063 mm.	22.8	: (
).0045 mm,	19.8	}	
).0032 mm.	17.2		
0.0013 mm.	12.6	ĺ	
{		ļ	
1	Í		
	ļ		

0.0

2.3

2.9

9.0

0.0

9.0	22.0			
3.0	22.8		48.6	14.4
Dark (<u>Mat</u> Grey sandy silt	erial Descript	lon	
PL= 1	Atterberg	<u>Limits (ASTN</u> L≂ NV	1 D 4318) PI= NP	
uscs	(D 2487)= ML	Classification AASHTO	(M 145)= A-4(0)	
D ₉₀ = (D ₅₀ = (D ₁₀ =).7384 D ga	Coefficients = 0.3817 = 0.0142	D ₆₀ = 0.0701 D ₁₅ = 0.0023 C _c =	
		Remarks		
	celved: 10/17/2	2016 Date T	ested: 10/20/2016	
	ked By: Matthe	w Colman, P.F.	· · · · · · · · · · · · · · · · · · ·	
	Title: Labora			-
		<u>-</u>		

Silt

Clay

(no specification provided) Source of Sample: 1610-24388-001 Sample Number: S-3

Thielsch Engineering Inc.

Client: R.I. Analytical Laboratories, Inc.

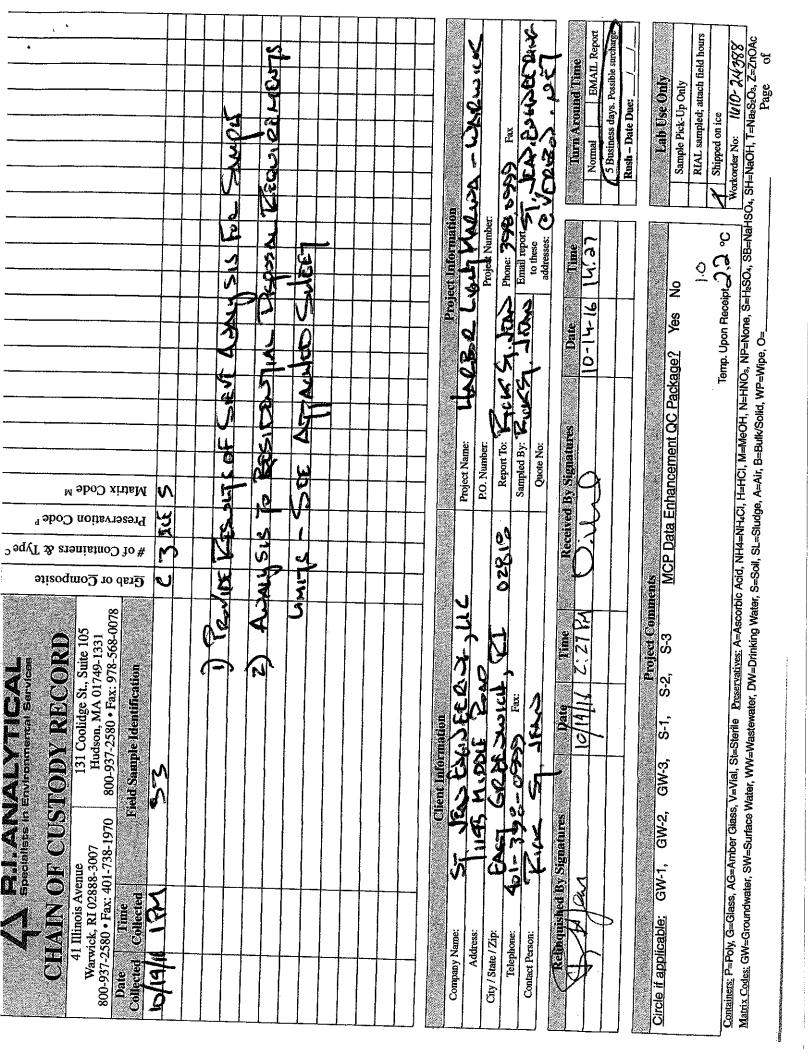
Project:

Cranston, RI

Project No: 74-16-0002.129

Figure 16-S-1439

Date Sampled: 10/14/2016





Rhode Island Coastal Resources Management Council Oliver H. Stedman Government Center Wakefield, RI 02879 (401) 783-3370



Rhode Island Department of Environmental Management 235 Promenade Street Providence, RI 02908-5767 (401) 222-6820

APPLICATION FOR MARINE DREDGING AND ASSOCIATED ACTIVITIES pursuant to the Marine Infrastructure Maintenance Act of 1996 and the Marine Waterways and Boating Facilities Act of 2001, Chapter 46-6.1 of the Rhode Island General Laws.

PURPOSE OF APPLICATION		Agency Use Only File Number
X Application for Dredging and Dispo	sal of Dredged Material	
Request Renewal of RIDEM Dredge	e Permit File #	
Request Renewal of CRMC Dredge	Permit File #	Date Received
Request Modification of RIDEM Dr	redge Permit File #	Date Received
Request Modification of CRMC Dre	edge Permit File #	
(Please Type or Print)	MAINTENANCE DREDGING REQUEST	r
APPLICANT INFORMATION		
Applicant Name Harbor Light Mari	na, Inc.	
<u>(NOTE</u> : Applicant must be the owner of	of the property on which the activity is proposed)	
Applicant Address: 200 Gray Street	Telephone No. 401-73	7-6353
City/Town: Warwick	State: Rhode Island	Zip: 02889
PROJECT INFORMATION		
Project Address: 200 Gray Street		
City/Town: Warwick	State: Rhode Island	Zip: 02889
Tax Assessor's Plat(s) and Lot Number((s): Plat 378, Lot 1	
Project Consultant/Engineer Name: St.	. Jean Engineering, LLC, Richard St. Jean P	.E.
Consultant/Engineer Address: 1145 Mi	iddle Road, East Greenwich, Rhode Island 02	818
Consultant/Engineer Telephone No.: 4	101-398-0999	

ACTIVITIES ASSOCIATED WITH THE PROPOS	ED DREDGE PROJECT (check all that apply)*
runng of waters of the State	Flow Alterations
Marinas – New construction or expansion	Point Source Discharge of Pollutants
☐ Site Disturbances	
_ Residential Development: six (6) or more dwell	lings
Commercial, Industrial, State or Municipal Dev	welanmant
Any project ≥ five (5) acres of disturbance	vexophient
J 1 - 5 - 1 - 1 - 1 (a) acres of disturbance	
GENERAL INFORMATION	
Identify program and associated application number for a	any other RIDEM applications filed for this project
Freshwater Wetlands	Annlication Number
_	Application Number
Individual Sewage Disposal System	Application Number
Out. 7	Application Number
If you have any questions, please contact the RIDEM at 2	222-7500 or CRMC at 783-3379.
CERTIFICATION OF APPLICANT	
information, in whatever form, contained in this Applicat the information submitted herein; and that such information knowledge. Signature of Applicant:	on is true, accurate and complete to the best of my
For: Harbor Light Marina,	Inc. Date:
Please return this completed application form and all su Submittal Checklist to:	pporting information, as indicated on the accompanying
Rhode Island Coastal Reso	urces Management Council
Oliver H. Stedman	Government Center
Wakefield,	, RI, 02879
an	nd
Rhode Island Department of Office of Technical &	Customental Management
235 Promei	nade Street
Providence,	
* Water Quality Certification required for these activities pursua Quality Rules may be incorporated into an approval issued as	with Court and the
	part of this application.
Office Use Only:	
Suitable for Public Notice	Date:
Approved	
☐ Denied	
☐ Withdrawn	
Closed	

JI

U.S. ARMY CORPS OF ENGINEERS APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT

33 CFR 325. The proponent agency is CECW-CO-R.

Form Approved -OMB No. 0710-0003 Expires: 31-AUGUST-2013

Public reporting for this collection of information is estimated to average 11 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of the collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters, Executive Services and Communications Directorate, Information Management Division and to the Office of Management and Budget, Paperwork Reduction Project (0710-0003). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to either of those addresses. Completed applications must be submitted to the District Engineer having jurisdiction over the location of the proposed activity.

PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and/or instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.

	(ITEMS 1 THRU 4 TO BE	E FILLED BY THE CORPS)	
1. APPLICATION NO.	2. FIELD OFFICE CODE	3. DATE RECEIVED	A DATE APPLICATION COMPLETE
		O. OMENCOLIVED	4. DATE APPLICATION COMPLETE
<u> </u>			
5. APPLICANT'S NAME	(ITEMS BELOW TO BE	FILLED BY APPLICANT)	
		1	E AND TITLE (agent is not required)
First - Joseph Middle -	Last - Noel	First - Richard Middle	-N Last - St. Jean
Company - Harbor Light Marina, Is	nc.	Company - St. Jean Engineering	ng, LLC
E-mail Address - joen@cescochem.c	;om	E-mail Address - st.jean.enginee	ering@verizon.net
6. APPLICANT'S ADDRESS:		9. AGENT'S ADDRESS:	
Address- 200 Gray Street	,	Address- 1145 Middle Road	
City - Warwick State - RI	-1 02005 Conia) ODM	City - East Greenwich State	e - RI Zip - 02818 Country - USA
7. APPLICANT'S PHONE NOs. w/ARE	A CODE	10. AGENTS PHONE NOs. w/AR	EA CODE
a. Residence b. Business	V. 1 W.	a. Residence b. Busi	iness c. Fax
401-737-63	.53		98-0999
	STATEMENT OF	AUTHORIZATION	
11. I hereby authorize, Richard N. S	St. Jean, P.E. to act in my behalf as	my agent in the processing of this	application and to furnish, upon request,
supplemental information in support of the	ils permit application.		The section of the se
	CIONATURE OF APPLIC		_
	SIGNATURE OF APPLICA	CANT DATE	-
	NAME, LOCATION, AND DESCRIP	PTION OF PROJECT OF ACTIVITY	,
12. PROJECT NAME OR TITLE (see in	ostructions)	HON OF FROJECT OR ACTIVITY	
Harbor Light Marina - Maintenand			
13. NAME OF WATERBODY, IF KNOW	VN (if applicable)	14. PROJECT STREET ADDRES	0.05
Warwick Cove - Narragansett Bay	***		S (If applicable)
15. LOCATION OF PROJECT		Address 200 Gray Street	
Latitude: •N 41-41"-14.9"	5	City - Warwick	State- RI Zip- 02889
16. OTHER LOCATION DESCRIPTION	S, IF KNOWN (see instructions)		
State Tax Parcel ID AP 378, Lot 1	Municipality War	rwick, Rhode Island	;
Section - Town	nship -	Range -	

· .		
on the left toward US-1/Warw onto West Shore Rd/ RT 117,	rick, merge onto Post Rd/US-1 via exit 5A, turn le	US-1/Warwick/RI-2/Cranston, merge onto RI-37 via exit 14A left onto Airport Road, turn right onto Warwick Ave., turn left onto Leroy Ave., stay on the left.
18. Nature of Activity (Description	of project, include all features)	
The Applicant proposes to dre the marina where water depths MLLW to match the adjacent area. The southern parking lot approximately 210 cy of dredg (within 1 or 2 cells) will be ex-	edge up to 2,000 cubic yards over a the life of the s have become too shallow to maintain dockage. Federal Channel. Dredge spoils will be dried in the thought the divided into 10 approxing ge spoils per 1 ft. of height. When the material is	s suitably dry 1 ft. of the existing gravel parking lot surface ed gravel and dredge spoils will then be placed and
Harbor Light Marina was expa Warwick, Rhode Island. The o	e reason or purpose of the project, see instructions) anded and dredged in 2007. The marina is located current in the channel transports fine grain sedimated and sequired to maintain proper depths for a continuous for the	ed on the east side of the Warwick Cove Federal Channel in nent, some of which is deposited in and around the slips dockage.
	USE BLOCKS 20-23 IF DREDGED AND/OR FILL MA	TERIAL IS TO BE DISCHARGED
20. Reason(s) for Discharge		
No discharge associated with the	ne project.	
21. Type(s) of Material Being Disch	narged and the Amount of Each Type in Cubic Yards:	
Type Amount in Cubic Yards	Type Amount in Cubic Yards	Type Amount in Cubic Yards
N/A	N/A	N/A
22. Surface Area in Acres of Wetlan	nds or Other Waters Filled (see instructions)	

23. Description of Avoidance, Minimization, and Compensation (see instructions)

Linear Feet N/A

N/A

24. Is Any Portion of	the Work Already Complete?	Yes No IF YE	S, DESCRIBE THE C	OMPLE	ETED WORK	
25. Addresses of Adjoi	ining Property Owners, Lesse	es, Etc., Whose Property	/ Adjoins the Waterbo	dy (if mor	e than can be entered here, please	attach a supplemental list).
a. Address- City of W	Warwick, 3275 Post Road					
City - Warwick		State - Rhode Isla	and Zip	p - 0288	3 6	
b. Address-						
City -		State -	Zip	o -		
c. Address-						
City -		State -	Zip) -		
d. Address-						
City -		State -	Zip	> -		
e. Address-						
City -		State -	Zìp			
	ates or Approvals/Denials rec	ceived from other Federal	l, State, or Local Ager	ncies for	Work Described in This A	pplication.
AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIE	D	DATE APPROVED	DATE DENIED
CRMC	Assent		Concurrent	 .		
RIDEM	401 WQC		Concurrent	 .		
						
	ot restricted to zoning, building					
27. Application is hereby complete and accurate. applicant.	y made for permit or permits t I further certify that I possess	o authorize the work des the authority to undertal	cribed in this applicati ke the work described	ion. I ce I herein	ertify that this information in or am acting as the duly au	this application is athorized agent of the
SIGNATURE	OF APPLICANT	DATE	SI	IGNATU	IRE OF AGENT	DATE
The Application must tauthorized agent if the	be signed by the person we statement in block 11 has	tho desires to undertal s been filled out and s	ke the proposed acigned.	tivity (a	applicant) or it may be si	
fraudulent statements	01 provides that: Whoever, falsifies, conceals, or cov or representations or mak or entry, shall be fined not	rers up any trick, scher (es or uses anv false v	me, or disguises a r vriting or document	materia Knowir	al fact or makes any false	C (1.1

City of Warwick



FINANCE DEPARTMENT OFFICE OF THE ASSESSOR

CITY HALL ANNEX 3275 POST ROAD WARWICK, RI 02886 401-738-2000 TDD 739-9150

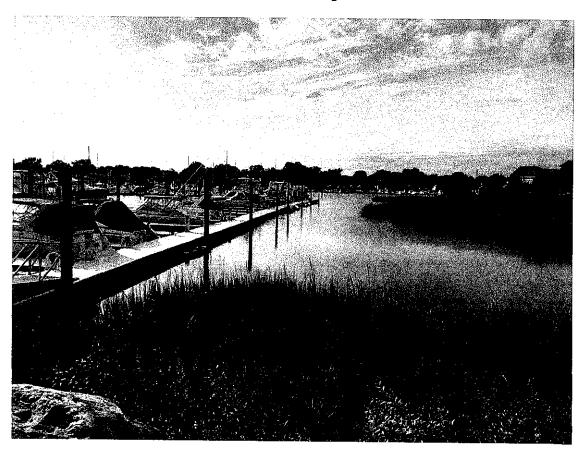
Date: Octobe	r 20, 2016			
TO WHOM IT MA	AY CONCERN:			
Please be advise property located		ce of City Assessor show	that as of December 31, 2015,	
200 Gray St. , Wa	nrwick, RI 02889			······································
	PLAT: <u>378</u>	LOT: <u>0001</u>	UNIT:0000	
Is owned by:				
HARBOR LIGHT M	IARINA INC			

If you have any further questions you may reach me at 401-738-2000 extension 6016.

Tax Assessors Office



Aerial View of Harbor Light Marina



North Boundary of Harbor Light Marina



South Boundary of Harbor Light Marina – Gas Dock in Distance



Proposed Location of Dredge Spoil Dewatering Area



Appraised value of property:

CITY OF WARWICK OFFICE OF THE CITY CLERK 3275 POST ROAD WARWICK, RHODE ISLAND 02886 TEL.(401) 738-2000, ext. 6214 FAX (401) 732-7640

SCOTT AVEDISIAN MAYOR

11537 1800 S

TO:	Kyla J Christ	Cabeceiras Harbo ones - Tax Collector opher Celeste - Tax arls - DPW Enginee	Assessor
FROM	M;	Judy Wild	City Clerk
Date:		April 28, 2017	
Subje	ect:	Dredging Application	on
Subje	ect:	Dredging of Harbor	r Light Marina
Name	of App	olicant:	Harbor Light Marina Inc.
Plat: Lot: Address:			378 1, 181, 2 200 Gray Street
later this a are st	than <u>Ma</u> pplicati till requ	ay 5, 2017. Your co on on <u>May 15, 2017</u>	the attached application and return to the Clerk's office no imments are required so that the City Council may consider. Should you have "no comment" on the attached plan, you is memo with a notation that your department does not haven.
Comi	ments:	NO C	OMMENTS FROM ASSESSOR'S
Date:		gnature: <u></u>	4-28-17
<u>For u</u>	use by	Tax Assessor/Coli	ector and Planning Director only (if applicable):
Assessed value of property:		alue of property:	Annual taxes:



Appraised value of property:

CITY OF WARWICK OFFICE OF THE CITY CLERK 3275 POST ROAD WARWICK, RHODE ISLAND 02886 TEL.(401) 738-2000, ext. 6214 FAX (401) 732-7640

SCOTT AVEDISIAN

MAYOR

TO: Susan Cabeceiras Harbor Management Commission Kyla Jones - Tax Collector Christopher Celeste - Tax Assessor Eric Earls - DPW Engineering				
FROM:	Judy Wild	City Clerk		
Date:	April 28, 2017			
Subject:	Dredging Applicatio	n		
Subject:	Dredging of Harbor	Light Marina		
Name of App	olicant:	Harbor Light Marina Inc.		
Plat: Lot: Address:		378 1, 181, 2 200 Gray Street		
Please review and comment on the attached application and return to the Clerk's office no later than <u>May 5, 2017</u> . Your comments are required so that the City Council may consider this application on <u>May 15, 2017</u> . Should you have "no comment" on the attached plan, you are still required to sign off on this memo with a notation that your department does not have any concerns with the application.				
Comments:	no Commen	&- Harbor Mgt. Comm.		
Date: 5-1-17 Director's signature: Sewan (abecena)				
For use by Tax Assessor/Collector and Planning Director only (if applicable):				
Assessed va	Assessed value of property: Annual taxes:			



Director's signature:

Appraised value of property:

CITY OF WARWICK OFFICE OF THE CITY CLERK 3275 POST ROAD WARWICK, RHODE ISLAND 02886 TEL.(401) 738-2000, ext. 6214 FAX (401) 732-7640

SCOTT AVEDISIAN

MAYOR

JUDY WILD CITY CLERK

TO:	Kyla . Chris	n Cabeceiras Harbo Jones - Tax Collecto topher Celeste - Tax Earls - DPW Enginee	Assessor
FRO	M:	Judy Wild	City Clerk
Date:		April 28, 2017	
Subje	ect:	Dredging Application	on
Subje	ect:	Dredging of Harbo	r Light Marina
Name	e of Ap	plicant:	Harbor Light Marina Inc.
Plat: Lot: Address:			378 1, 181, 2 200 Gray Street
Please review and comment on the attached application and return to the Clerk's office no later than <u>May 5, 2017</u> . Your comments are required so that the City Council may consider this application on <u>May 15, 2017</u> . Should you have "no comment" on the attached plan, you are still required to sign off on this memo with a notation that your department does not have any concerns with the application.			
Com •			ew applications to CRMC and Army Corps. The City's Approval their reviews.
Date	:	Ma	y 1, 2017

For use by Tax Assessor/Collector and Planning Director only (if applicable):

Assessed value of property: _____ Annual taxes: _____



Appraised value of property:

CITY OF WARWICK OFFICE OF THE CITY CLERK 3275 POST ROAD

WARWICK, RHODE ISLAND 02886 TEL.(401) 738-2000, ext. 6214 FAX (401) 732-7640

SCOTT AVEDISIAN MAYOR

TO:	Christ	n Cabeceiras Harbo lones - Tax Collecto opher Celeste - Tax arls - DPW Enginee	Assessor	
FROM	:	Judy Wild	City Clerk	
Date:		April 28, 2017		
Subjec	et:	Dredging Applicatio	n	
Subjec	:t:	Dredging of Harbor	Light Marina	
Name	of App	licant:	Harbor Light Marina Inc.	
Plat: Lot: Addres	ss:	-	378 1, 181, 2 200 Gray Street	
this app are still	Please review and comment on the attached application and return to the Clerk's office no ater than May 5, 2017 . Your comments are required so that the City Council may consider this application on May 15, 2017 . Should you have "no comment" on the attached plan, you are still required to sign off on this memo with a notation that your department does not have any concerns with the application.			
Comme	ents:	Parcel 378	-0181-0000 hastaxes due	
		65 # JO	-0181-0000 hastaxes due 3.15 as of today 5/3/17	
Date:	•	_5\	13/17	
Director's signature: Kille Smes				
or use by Tax Assessor/Collector and Planning Director only (if applicable):				
	ssessed value of property: Annual taxes:			



CITY OF WARWICK OFFICE OF THE CITY CLERK 3275 POST ROAD WARWICK, RHODE ISLAND 02886 TEL.(401) 738-2000, ext. 6214 FAX (401) 732-7640

SCOTT AVEDISIAN

MAYOR

TO:	Susan Cabeceiras Harbor Management Commission			
	Kyla Jones - Tax Collector			
	Christopher Celeste - Tax Assessor			
	Eric Earls - DPW Engineering			
	Janine Burke – Sewer			

	Earls - DPW Enginee e Burke – Sewer	ering
FROM:	Judy Wild	City Clerk
Date:	April 28, 2017	
Subject:	Dredging Application	on
Subject:	Dredging of Harbor	Light Marina
Name of App	plicant:	Harbor Light Marina Inc.
Plat: Lot: Address:		378 1, 181, 2 200 Gray Street
later than Mathis application are still required.	a <u>y 5, 2017</u> . Your co ion on <u>May 15, 2017</u>	the attached application and return to the Clerk's office no mments are required so that the City Council may consider . Should you have "no comment" on the attached plan, you is memo with a notation that your department does not have n.
Comments:	NO COMMENTS	
Date: Director's sig		14/17 ant Julie Wells
		ector and Planning Director only (if applicable):
Assessed va	llue of property:	Annual taxes:
Appraised va	alue of property:	