

EAST-SOUTHEAST, LLC

J. Thaddeus Eldredge, P.L.S.

Surveying, Geomatics Engineering and Mapping

1038 Main Street ° Chatham, Massachusetts 02633

41°41'14.73425" N 69°58'24.87695" W -10.019 M

LETTER OF TRANSMITTAL

To: Town of Chatham
Conservation Commission

From: J. Thaddeus Eldredge, PLS

Date: February 25, 2019

Subject: **450 Old Harbor Road**
Susan B. Morgan, Owner/Applicant

Enclosed please find two (2) copies of the following:

- Notice of Intent Form** - *(form revised 06/28/2016)*;
- NOURISHMENT PLAN**;
- Nourishment Plan** prepared by East-SouthEast, LLC, dated 02-25-2019;
- Copy of the check made payable to the Commonwealth of Massachusetts in the amount of **\$237.50** for **DEP filing fee**;
- Copy of the check made payable to the Town of Chatham in the amount of **\$482.50** for the town portion of **DEP filing fee (\$262.50)**; the local **filing fee (\$200.00)**; and **advertising (\$20.00)**;
- Exhibits**
 - **U.S.G.S. Map**;
 - **Assessors Map**;
 - **DEM Wetlands Map**;
 - **Massachusetts Natural Heritage Atlas**, Estimated Habitats of Rare Wildlife and Certified Vernal Pools;
 - **July 16, 2014 Flood Zone Map**;
- Site Access Authorization**;
- Certified abutters list**;

- Copy of **Notice of Public Hearing / "Notification to abutters"**;
- Copy of **U.S. Postal Service Certified Mail Receipts for Notification of all abutters**;
- Chatham **Checklist**.

Also please find twelve (12) copies of the following:

- Copy of this **Letter of Transmittal** which includes **Directions** to the site;
- Chatham **Checklist**;
- Nourishment Plan** prepared by East-SouthEast, LLC, dated 02-25-2019;
- 2014 Flood map** with locus;

DIRECTIONS

From: 261 George Ryder Road, Chatham, MA 02633
 To: 450 Old Harbor Road, Chatham, MA 02633

- Head northeast on George Ryder Road toward Indian Hill Road 0.5 mi
 - Turn right onto Old Queen Anne Road 0.6 mi
 - Turn left onto Stepping Stones Road 0.4 mi
 - Continue onto Stony Hill Road 0.4 mi
 - Turn right onto MA-28 N 0.4 mi
 - Turn left onto Old Harbor Road
- Destination will be on the right

PROJECT NARRATIVE

The subject property is located on Chatham Harbor at the toe of an extremely steep slope. Most of the property is within Land Subject to Coastal Storm Flowage, Velocity Zone, Elevation 15. The eastern side of the property fronts on Chatham Harbor with coastal beach, fragmented salt marsh, tidal flats and land under the ocean.

Work is being proposed above Mean High Water, so it is over coastal beach and within Land Subject to Coastal Storm Flowage.

In 2006 and 2009, the owner of the property, David Morgan, engaged the services of Coastal Engineering Company, Inc. to permit and oversee the reconstruction and expansion of the bulkhead protecting the residence at 450 Old Harbor Road. The construction went well; however, Mr. Morgan passed away shortly thereafter leaving the property to Susan Morgan.

Unfortunately, Mrs. Morgan was unaware of the ongoing requirements of the orders associated with the reconstruction of the bulkhead. She is now aware of these requirements and is now proceeding with the completion of the nourishment plan. Additionally there will be ongoing monitoring with nourishment when certain triggers are met.

The previous orders are available on the website: <https://www.eselc.com/toc-parcels-2/450-old-harbor-rd>. The pertinent conditions from the 2006 Order (SE 10-2247) include:

- Project Description / Findings 5 - Property owner to the south expressed concern about potential impact to their property, but was agreeable to the project as proposed due to the commitment to nourish the beach on both properties as needed. **The applicant agrees to repair any damage caused over time by the project to the property.**
- Project Description / Findings 7 – **Nourishment** of approximately 44 cubic yards of compatible beach material will be spread in the areas in front, behind, to the north and to the south of the bulkhead.
- Excavation, Site Disturbance and Revegetation 6 – **One foot rip rap stone** may be placed at the foot of the bulkhead as proposed.
- Excavation, Site Disturbance and Revegetation 7 – **No debris of any sort** shall be left on the site. As a condition of this Order, the debris shall be removed from the site and disposed of properly, including the abandoned boat on the abutting property which is within the project footprint.
- Excavation, Site Disturbance and Revegetation 8 – **Nourishment material** shall be clean and of compatible grain size with existing material. This condition shall be an ongoing condition that will apply to any future nourishment and shall be recorded on the Certificate of Compliance as such.
- General 1 – **A maintenance plan**, including the commitment to protect his immediate southern neighbor from negative impact by the project, shall be written and signed by the applicant. The maintenance plan shall include provisions for monitoring. The monitoring shall include the submission of photographs of the project site on an annual or semi-annual basis, taken from the same vantage point, et. and shall permit an inspection of the site by the Agent/Commission for the purposes of determining conditions and the need for nourishment. The details of this maintenance plan shall be considered an ongoing condition and will be referenced on the Certificate of Compliance as such, thereby binding any future property owner to ongoing maintenance.
- General 4 – **The two foot wall extension** shall remain covered with sand. This condition shall be recorded on the Certificate of Compliance as an ongoing requirement.

- General 6 – As the **maintenance plan** may not be appropriate in the future due to changes in site conditions, the Commission reserves the right in the future to require that a hearing be held, at the applicant's expense. This would be done for the purpose of determining whether conditions on the site have changed substantially, particularly in relation to the change in mean high water elevation or other. The Commission may determine that the maintenance plan is to be modified as necessary to protect the interests of the Act.

The pertinent conditions from the 2009 Order (SE 10-2611) include:

- Project Description 4 – The Commission made **no determination of the actual Mean High Water (MHW) elevation** under this Order, however the Commission felt confident that the project allowed under this Order is indeed above MHW.
- Project Description 5 – The areas south and north of the dwelling and bulkhead had experienced recent erosion. Therefore, the **extensions of the bulkhead** flanking the dwelling to both the north and south are proposed with additional backfill and nourishment as mitigation totaling 80 cu. yds.
- Excavation and Site Disturbance 5 – **Machinery and/or material access** will be from the driveway and lawn area on the north of the dwelling. The granting of this permit does not obviate the applicant's need to gain proper permission from any abutter whose property is to be used for access.
- Excavation and Site Disturbance 10 – If, after consulting with qualified coastal engineers or coastal geologists, the Commission finds that the bulkhead or its extensions have caused or accelerated erosion on the site or on nearby properties, it may order the applicant to either nourish the beaches using clean sand of similar or larger grain size with an amount of material equal to the engineers/geologists calculation of the loss caused by the structure or take other action. **The Commission may order re-nourishment as necessary.**
- Excavation and Site Disturbance 11 – **The site shall be monitored** in conjunction with the maintenance program under SE 10-2247. Nourishment shall be added as necessary to maintain appropriate beach profiles. Prior to any nourishment, notice shall be given to the Commission/Agent so that site conditions may be reviewed.
- Excavation and Site Disturbance 12 – **Any re-nourishment or maintenance** of the site shall comply with the conditions of this Order and the Order issued under SE 10-2247.

Chapter 91. Project Description 4 from the 2009 Order specifically stated that the Commission made no determination of the actual Mean High Water. There is the current question of whether this structure requires a Chapter 91 License as the 2009 plan appears to depict the structure being within Mean High Water. Guidance has been

sought from the state. At this time, the requirement for a Chapter 91 License is not as important as the Nourishment of the beaches.

The erosion of the beach is difficult to track. Overall, there has been an accelerated erosion of the eastern shoreline of Chatham since the 2007 breach in North Beach. Overwashed sand can be observed over lawns and vegetated areas along the shoreline. One such overwash can be observed to the south of locus.

On the north side of locus the beach bulges due to the depositions trapped by the bulkhead. On the south side of locus there is erosion exacerbated by littoral starvation. All too often in these cases, the blockage, in this case the bulkhead, is mistakenly described as the sole source of the erosion problem. Without the bulkhead, there would still be erosion to the south of locus. There would be additional sand transported from the north to mitigate the erosion.

PROPOSAL

The proposal is to create and implement the Nourishment Plan as required by the 2006 Order of Conditions.

PERFORMANCE STANDARDS:

VARIANCES 4.03

A variance may be granted only for the following reasons and upon the following conditions:

(a) mitigating measures are proposed that will allow the project to be conditioned so that it contributes to the protection of the resource values identified in the Bylaw; and The Nourishment is the mitigation for the previously approved bulkhead projects.

(b) Alternatives should be considered in terms of the proposed use and objectives of the project. The analysis of alternatives should highlight potential differences of environmental impacts. This includes both short-term and long-term impacts as well as cumulative impacts. The following are examples of the scope of alternatives for various projects:

1. Single family house project - the scope of alternatives will be limited to the lot for which the work is proposed, and include but not be limited to, house location, footprint size, proximity to resource area, options for replacing lost vegetative cover, vegetated buffer strip protection plan, etc.

2. Residential subdivision - the scope of alternatives will be limited to the original parcel and the subdivided parcels, and adjacent parcels, and any other land that can be reasonably obtained, and use of conservation restrictions to offset loss of natural habitat or open space.

3. Commercial development - the scope of alternatives is lots that can accommodate the project purpose, appropriately zoned, available for sale, within the town at the time of application, or if no such lot exists, a lot located in the market area that meets all other specifications. Offsetting use of conservation restrictions on part of the proposed development property, or voluntary commitment of other property for conservation may also be considered as mitigation.

There are two Alternatives for the current proposal: Change the project to comply with the pertinent Conditions or remove the bulkhead. The removal of the bulkhead will undoubtedly be followed by the removal of the dwelling and this is a less appealing option.

COASTAL BEACH (AND TIDAL FLAT) 2.02

(a) Any activity which is allowed on a coastal beach or tidal flat or within 100 feet of a coastal beach or tidal flat shall not have an adverse effect on the coastal beach or tidal flat by:

(1) affecting the ability of waves to remove sand from the beach or tidal flat;

The proposal is for sacrificial nourishment that will be allowed to erode to provide sediments to the downdrift beaches.

(2) disturbing the vegetative cover, if any, so as to destabilize the beach or tidal flat;

The vegetative cover to be affected is primarily lawn.

(3) causing any modification of the beach or tidal flat form that would increase the potential for storm or flood damage;

The proposed modifications are to decrease storm or flood damage.

(4) interfering with the natural movement of the beach or tidal flat; or

The proposed nourishment will provide sediments otherwise trapped by the bulkhead, both updrift of the bulkhead and behind the bulkhead.

(5) causing artificial removal of sand from the beach.

There is no artificial removal of sand proposed.

(b) Beach nourishment projects may be permitted.

The proposal is primarily for beach nourishment in accordance with two outstanding Order of Conditions.

(c) No activity, other than maintenance of an already existing structure, which will result in the building within or upon, removing, filling, or altering of any adjacent upland within 50ft of any coastal beach or tidal flat, shall be permitted, except as allowed under Part IV, section 4.01 (d) or other activity as permitted under a variance from these regulations granted pursuant to Part IV, section 4.03.

The bulkhead was installed to protect a pre-1978 structure and was granted in 2006 and augmented in 2009. The proposed fill will be compatible sands that will replicate the migrating sands otherwise entrapped by the bulkhead.

(d) No project may be permitted which will have any adverse effect on specified habitat sites of rare or endangered species.

The proposed nourishment is above the Mean High Water and therefore not within endangered species habitat.

COASTAL DUNE 2.03

There are Coastal Dunes located near the site but not on the site. These performance standards have been included for reference as some of the proposed nourishment will supply sediments to dunes.

(a) Any activity, which is allowed on a coastal dune or within 100 feet of a coastal dune, shall not have an adverse effect on the coastal dune by:

- (1) affecting the ability of waves to remove sand from the dune;
- (2) disturbing the vegetative cover so as to destabilize the dune;
- (3) causing any modification of the dune form that would increase the potential for storm or flood damage;
- (4) interfering with the landward or lateral movement of the dune;
- (5) causing artificial removal of sand from the dune;
- (6) interfering with mapped or otherwise identified bird nesting habitat; or
- (7) interfering with mapped or otherwise identified rare and endangered species habitat.

(b) The following projects may be permitted, provided they adhere to the provisions of Section 2.03(3):

- (1) pedestrian walkways designed to minimize disturbance to vegetative cover;
- (2) fencing and other devices designed to increase dune development;
- (3) plantings compatible with the natural vegetative cover;
- (4) **nourishment deemed helpful to dune stabilization or development.**

(c) No activity, other than the maintenance of an already existing structure, which will result in the building within or upon, removing, filling, or altering of any adjacent upland within 50ft of any coastal dune shall be permitted, except for activity which is allowed under Part IV, section 4.01(d) or other activity as permitted under a variance from these regulations granted pursuant to Part IV, section 4.03.

(d) Notwithstanding 2.03(3)(b) through (c), no project may be permitted on a dune or within 100 feet of a dune which will have any adverse effect on identified habitat of rare or endangered species.

LAND SUBJECT TO COASTAL STORM FLOWAGE 2.10

(a) Any activity which is permitted on land subject to coastal storm flowage shall not have an adverse effect on the interests protected by the Bylaw by:

(1) reducing the ability of the land to absorb and contain flood waters;

The nourishment will not reduce the ability of the land to absorb and contain flood waters.

(2) reducing the ability of the land to buffer more inland areas from flooding and wave damage;

The proposed nourishment will increase the buffering of inland areas from flooding and wave damage by providing sacrificial beaches.

(3) displacing or diverting flood waters to other areas;

The wave energies are already displaced by the bulkhead. This proposal will help mitigate these effects.

(4) causing, or creating the likelihood of, damage to other structures on land within the flood plain as debris (collateral damage);

The proposal includes the removal of the smaller rip rap materials which would otherwise become debris.

(5) causing ground, surface or saltate pollution triggered by coastal storm flowage;

Not applicable.

(6) reducing the ability of the resource to serve as a wildlife habitat and migration corridor through activities such as, but not limited to the removal of substantial vegetative cover and/or installation of fencing and other structures which prevent wildlife migration across property.

Not applicable.

(b) No activity, other than the maintenance of an already existing structure, which will result in the building within or upon, removing, filling, or altering of the any adjacent upland within 50ft of land subject to coastal storm flowage shall be permitted, except for

activity which is allowed under Part IV, section 4.01(d) or any other activity permitted under a variance from the regulations granted pursuant to Part IV, section 4.03.

A variance is requested as there are no reasonable options for the subject property. As stated above, the only other option is the removal of the bulkhead and the structure which would be unreasonable.

SHELLFISH & SHELLFISH HABITAT 2.08

The shellfish habitat is located seaward of the proposed project. The nourishment is expected to augment the existing flats along with maintaining a healthy beach.

(a) Except as provided in Section 2.08(4) and (5) below, any project within shellfish habitat shall not adversely affect the productivity of such land caused by:

- (1) alterations of water circulation;
- (2) alterations in relief elevation;
- (3) the compacting of sediment by vehicular traffic;
- (4) alterations in the distribution of sediment grain size;
- (5) alterations in natural drainage from adjacent land;
- (6) changes in water quality, including, but not limited to, unnatural fluctuations in the levels of salinity, dissolved oxygen, nutrients, temperature or turbidity or the addition of pollutants;
- (7) impeding access for seeding and/or harvesting shellfish;
- (8) placing of obstructions or objects in the water (other than moorings, buoys, fish weirs, or navigational aids).

(b) The moving of shellfish shall not be considered acceptable mitigation for the purpose of permitting a proposed project on such land.

(5) Notwithstanding Section 2.08(3)(a), projects approved by Division of Marine Fisheries (DMF) and in consultation with the Shellfish Constable that are specifically intended to increase the productivity of land containing shellfish may be permitted in the discretion of the Conservation Commission. Aquaculture projects approved by the appropriate local and state authorities may also be permitted in the discretion of the Conservation Commission.

WORK PROTOCOL:

The work protocol will be described within the Nourishment Plan which is attached.

Copy: DEP, Southeast Regional Office

Y:\Clients\Morgan, Susan 0145\Old Harbor Road\450 Old Harbor Road\Notice of Intent\01 LOT for NOI 2019-02-26.doc



WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Chatham

City/Town

A. General Information (continued)

6. General Project Description:

Beach nourishment plan in accordance with Orders of Conditions SE 10-2247 and SE 10-2611

7a. Project Type Checklist: (Limited Project Types see Section A. 7b.)

- 1. Single Family Home
- 2. Residential Subdivision
- 3. Commercial/Industrial
- 4. Dock/Pier
- 5. Utilities
- 6. Coastal engineering Structure
- 7. Agriculture (e.g., cranberries, forestry)
- 8. Transportation
- 9. Other

7b. Is any portion of the proposed activity eligible to be treated as a limited project (including Ecological Restoration Limited Project) subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

1. Yes No If yes, describe which limited project applies to this project. (See 310 CMR 10.24 and 10.53 for a complete list and description of limited project types)

2. Limited Project Type

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR10.24(8), 310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited Project Checklist and Signed Certification.

8. Property recorded at the Registry of Deeds for:

Barnstable

a. County

26926

c. Book

b. Certificate # (if registered land)

300

d. Page Number

B. Buffer Zone & Resource Area Impacts (temporary & permanent)

- 1. Buffer Zone Only – Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.
- 2. Inland Resource Areas (see 310 CMR 10.54-10.58; if not applicable, go to Section B.3, Coastal Resource Areas).

Check all that apply below. Attach narrative and any supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.



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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input type="checkbox"/> Bank	1. linear feet	2. linear feet
b. <input type="checkbox"/> Bordering Vegetated Wetland	1. square feet	2. square feet
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet	2. square feet
	3. cubic yards dredged	

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet	2. square feet
	3. cubic feet of flood storage lost	4. cubic feet replaced
e. <input type="checkbox"/> Isolated Land Subject to Flooding	1. square feet	
	2. cubic feet of flood storage lost	3. cubic feet replaced
f. <input type="checkbox"/> Riverfront Area	1. Name of Waterway (if available) - specify coastal or inland	

2. Width of Riverfront Area (check one):

- 25 ft. - Designated Densely Developed Areas only
- 100 ft. - New agricultural projects only
- 200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project: _____ square feet

4. Proposed alteration of the Riverfront Area:

a. total square feet	b. square feet within 100 ft.	c. square feet between 100 ft. and 200 ft.
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5. Has an alternatives analysis been done and is it attached to this NOI? Yes No

6. Was the lot where the activity is proposed created prior to August 1, 1996? Yes No

3. Coastal Resource Areas: (See 310 CMR 10.25-10.35)

Note: for coastal riverfront areas, please complete **Section B.2.f.** above.



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B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

Online Users:
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input type="checkbox"/> Land Under the Ocean	1. square feet 2. cubic yards dredged	
c. <input type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	2000 1. square feet	80 (100) 2. cubic yards beach nourishment
e. <input type="checkbox"/> Coastal Dunes	1. square feet	2. cubic yards dune nourishment
	Size of Proposed Alteration	Proposed Replacement (if any)
f. <input type="checkbox"/> Coastal Banks	1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	1. square feet	
h. <input type="checkbox"/> Salt Marshes	1. square feet	2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	1. square feet 2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	1. square feet	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above 1. cubic yards dredged	
l. <input checked="" type="checkbox"/> Land Subject to Coastal Storm Flowage	2500 1. square feet	

4. Restoration/Enhancement
If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.

a. square feet of BVW

b. square feet of Salt Marsh

5. Project Involves Stream Crossings

a. number of new stream crossings

b. number of replacement stream crossings



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C. Other Applicable Standards and Requirements

- This is a proposal for an Ecological Restoration Limited Project. Skip Section C and complete Appendix A: Ecological Restoration Limited Project Checklists – Required Actions (310 CMR 10.11).

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

- 1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP)? To view habitat maps, see the *Massachusetts Natural Heritage Atlas* or go to http://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm.

a. Yes No **If yes, include proof of mailing or hand delivery of NOI to:**

**Natural Heritage and Endangered Species Program
Division of Fisheries and Wildlife
1 Rabbit Hill Road
Westborough, MA 01581**

August 1, 2017
b. Date of map

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.c, and include requested materials with this Notice of Intent (NOI); *OR* complete Section C.2.f, if applicable. *If MESA supplemental information is not included with the NOI, by completing Section 1 of this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).*

c. Submit Supplemental Information for Endangered Species Review*

- 1. Percentage/acreage of property to be altered:
(a) within wetland Resource Area _____ percentage/acreage
(b) outside Resource Area _____ percentage/acreage

2. Assessor's Map or right-of-way plan of site

- 2. Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work **
(a) Project description (including description of impacts outside of wetland resource area & buffer zone)
(b) Photographs representative of the site

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/>). Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

** MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.



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C. Other Applicable Standards and Requirements (cont'd)

(c) MESA filing fee (fee information available at http://www.mass.gov/dfwele/dfw/nhosp/regulatory_review/mesa/mesa_fee_schedule.htm).
Make check payable to "Commonwealth of Massachusetts - NHESP" and **mail to NHESP** at above address

Projects altering 10 or more acres of land, also submit:

(d) Vegetation cover type map of site

(e) Project plans showing Priority & Estimated Habitat boundaries

(f) OR Check One of the Following

1. Project is exempt from MESA review.
Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, http://www.mass.gov/dfwele/dfw/nhosp/regulatory_review/mesa/mesa_exemptions.htm; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)

2. Separate MESA review ongoing. _____ a. NHESP Tracking # _____ b. Date submitted to NHESP

3. Separate MESA review completed.
Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.

3. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?

a. Not applicable – project is in inland resource area only b. Yes No

If yes, include proof of mailing, hand delivery, or electronic delivery of NOI to either:

South Shore - Cohasset to Rhode Island border, and the Cape & Islands:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
1213 Purchase Street – 3rd Floor
New Bedford, MA 02740-6694
Email: DMF.EnvReview-South@state.ma.us

North Shore - Hull to New Hampshire border:

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930
Email: DMF.EnvReview-North@state.ma.us

Also if yes, the project may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office. For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional Office.



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Provided by MassDEP:
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Chatham
City/Town

Online Users:
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

C. Other Applicable Standards and Requirements (cont'd)

4. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?
 a. Yes No If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.
 b. ACEC
5. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?
 a. Yes No
6. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?
 a. Yes No
7. Is this project subject to provisions of the MassDEP Stormwater Management Standards?
 a. Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:
 1. Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)
 2. A portion of the site constitutes redevelopment
 3. Proprietary BMPs are included in the Stormwater Management System.
 b. No. Check why the project is exempt:
 1. Single-family house
 2. Emergency road repair
 3. Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

D. Additional Information

- This is a proposal for an Ecological Restoration Limited Project. Skip Section D and complete Appendix A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR 10.12).

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

Online Users: Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department.

1. USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
2. Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.



WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:
MassDEP File Number
Document Transaction Number
Chatham
City/Town

D. Additional Information (cont'd)

3. Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.

4. List the titles and dates for all plans and other materials submitted with this NOI.

Nourishment Plan

a. Plan Title

East-SouthEast. LLC

J. Thaddeus Eldredge, PLS

b. Prepared By

c. Signed and Stamped by

02-25-2019

1"=20'

d. Final Revision Date

e. Scale

f. Additional Plan or Document Title

g. Date

5. If there is more than one property owner, please attach a list of these property owners not listed on this form.

6. Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.

7. Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.

8. Attach NOI Wetland Fee Transmittal Form

9. Attach Stormwater Report, if needed.

E. Fees

1. Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

1376

2. Municipal Check Number

February 26, 2019

3. Check date

1377

4. State Check Number

February 26, 2019

5. Check date

East-SouthEast, LLC

6. Payor name on check: First Name

7. Payor name on check: Last Name



WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Chatham

City/Town

F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

1. Signature of Applicant

2. Date

3. Signature of Property Owner (if different)

4. Date

5. Signature of Representative (if any)

6. Date

2-26-19

For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a **copy** of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

Other:

If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
NOI Wetland Fee Transmittal Form
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



A. Applicant Information

1. Location of Project:

450 Old Harbor Road
 a. Street Address
 1377
 c. Check number
 Chatham
 b. City/Town
 \$42.50
 d. Fee amount

2. Applicant Mailing Address:

Susan B.
 a. First Name
 Morgan
 b. Last Name
 c. Organization
 450 Old Harbor Road
 d. Mailing Address
 Chatham MA 02633
 e. City/Town f. State g. Zip Code
 508-945-1870 morgans@capecod.net
 h. Phone Number i. Fax Number j. Email Address

3. Property Owner (if different):

a. First Name
 b. Last Name
 c. Organization
 d. Mailing Address
 e. City/Town f. State g. Zip Code
 h. Phone Number i. Fax Number j. Email Address

B. Fees

Fee should be calculated using the following process & worksheet. **Please see Instructions before filling out worksheet.**

Step 1/Type of Activity: Describe each type of activity that will occur in wetland resource area and buffer zone.

Step 2/Number of Activities: Identify the number of each type of activity.

Step 3/Individual Activity Fee: Identify each activity fee from the six project categories listed in the instructions.

Step 4/Subtotal Activity Fee: Multiply the number of activities (identified in Step 2) times the fee per category (identified in Step 3) to reach a subtotal fee amount. Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.

Step 5/Total Project Fee: Determine the total project fee by adding the subtotal amounts from Step 4.

Step 6/Fee Payments: To calculate the state share of the fee, divide the total fee in half and subtract \$12.50. To calculate the city/town share of the fee, divide the total fee in half and add \$12.50.

To calculate filing fees, refer to the category fee list and examples in the instructions for filling out WPA Form 3 (Notice of Intent).



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
NOI Wetland Fee Transmittal Form
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

B. Fees (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Category 2 - beach nourishment	1	\$500.00	\$500.00
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Step 5/Total Project Fee: \$500.00

Step 6/Fee Payments:

Total Project Fee:	<u>\$500.00</u>
	a. Total Fee from Step 5
State share of filing Fee:	<u>\$237.50</u>
	b. 1/2 Total Fee less \$12.50
City/Town share of filing Fee:	<u>\$262.50</u>
	c. 1/2 Total Fee plus \$12.50

C. Submittal Requirements

- a.) Complete pages 1 and 2 and send with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts.

Department of Environmental Protection
 Box 4062
 Boston, MA 02211

- b.) **To the Conservation Commission:** Send the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and the city/town fee payment.

To MassDEP Regional Office (see Instructions): Send a copy of the Notice of Intent or Abbreviated Notice of Intent; a **copy** of this form; and a **copy** of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)

EAST-SOUTHEAST, LLC

J. Thaddeus Eldredge, P.L.S.

Surveying, Geomatics Engineering and Mapping

1038 Main Street ° Chatham, Massachusetts 02633

41°41'14.73425" N 69°58'24.87695" W -10.019 M

NOURISHMENT PLAN

Property: 450 Old Harbor Road, Chatham, MA

Pursuant to the Conditions within the Orders of Conditions, DEP SE 10-2247 and DEP SE 10-2611, the following Nourishment Plan is being prepared. This plan will be attached to the subject property and will be followed until modified by the property owner and the Conservation Commission, Department of Environmental Protection or other authoritative entity. The pertinent conditions from the two Order of Conditions are attached at the end of the Nourishment Plan for reference.

1. Permissions

- a. The property owner shall secure a recorded easement or license to perform activities on the abutters' property prior to the start of work.
- b. If the legal document is terminated, the property owner shall secure another means to complete work on the abutters' property prior to commencement of that work. This may be in the form of an Order of Conditions attached to the abutters' property.
- c. The legal document shall be appurtenant to the subject property with the ability to transfer when the property transfers. There will be nothing prohibiting the re-negotiation of this document between the neighbors at the time of real estate transfer.

2. Site Compliance

Currently the site is not within compliance with the existing Orders of Conditions.

- a. There is no Nourishment Plan in place. This plan is intended to satisfy the requirement.
- b. The rip rap base is not entirely composed of stone exceeding 12". The brick, concrete block and small stones shall be removed by hand and transported off the site for disposal.

- c. The stone and debris that have migrated south onto the abutters' property shall be removed. Stones exceeding 12" shall be deposited to the north in accordance with the plan. Stones less than 12" in size and debris (brick, concrete, etc.) shall be transported off site for disposal.
- d. The site shall be nourished in accordance with the ongoing nourishment provisions of this document.
- e. Photographic documentation shall be acquired before and after all site work. See Inspections and Report.

3. Inspections and Reporting

- a. The site shall be inspected at least twice a year.
- b. Photographs shall be taken to document the conditions. These photographs shall be taken from similar vantage points.
- c. An annual report shall be prepared and submitted to the Conservation Commission. The photographs shall be included.
- d. The top of the anchor wale of the northern bulkhead jog is at elevation 8.1 and the bottom is at elevation 7.4. The trigger for nourishment shall be when any part of the bottom of the wale is exposed.
- e. The bottom of the wooden cap of the westerly end of the southern bulkhead jog is at elevation 6.6. The trigger for nourishment here will be when the sand is 12" below the bottom of the wale.

4. Nourishment

- a. Prior to adding nourishment to the site, the Conservation Agent shall be notified. The Agent will determine if a site visit is necessary before the work commences.
- b. The area shall be photographed prior to the start of work. The area shall be photographed after the completion of work.
- c. Any rip rap stones that have been relocated to the south onto the abutters' property shall be removed. Any stones of less than 12" and any debris shall be removed from the site. Stones exceeding 12" shall be placed to the north in accordance with the plan.
- d. All nourishment shall be placed above Mean High Water.
- e. All nourishment shall be sand compatible with the sands found in the area.
- f. All nourishment is to be considered sacrificial. There will be no planting, fencing, matting or other efforts made to hold these sands in place.
- g. The nourishment along the north side of locus shall be within the Beach

Easement. It shall cover the westerly wale (elevation 8.1).

- h. The nourishment along the south side of locus shall be within allowed areas. It shall be filled up to the bottom of the wale at the westerly extent of the bulkhead.
- i. The ground elevation behind the low section of wall shall be nourished when other nourishment occurs. This area is identified on the plan as the proposed nourishment, Approximately 20 yards over 500 S.F.
- j. The property owner may nourish before the erosion exposes the trigger points described in the Inspection Section.
- k. Machinery and materials access shall be from the north side within the easement for work on the north side. It shall be over the lawn for work on the south side. No removal of vegetation is proposed. Temporary protective matting can be placed during work.

5. Modification of the Nourishment Plan

- a. Site conditions are likely to change and review of the plan will likely be necessary.
- b. The submitted Annual Reports shall be used to determine the revisions to the Nourishment Plan.
- c. The Conservation Agent shall determine the documentation of the revised plan. A substantial change is expected to require the filing of a Notice of Intent where a minor change could be approved under a field change.

The pertinent conditions from the 2006 Order (SE 10-2247) include:

- Project Description / Findings 5 - Property owner to the south expressed concern about potential impact to their property, but was agreeable to the project as proposed due to the commitment to nourish the beach on both properties as needed. **The applicant agrees to repair any damage caused over time by the project to the property.**
- Project Description / Findings 7 – **Nourishment** of approximately 44 cubic yards of compatible beach material will be spread in the areas in front, behind, to the north and to the south of the bulkhead.
- Excavation, Site Disturbance and Revegetation 6 – **One foot rip rap stone** may be placed at the foot of the bulkhead as proposed.
- Excavation, Site Disturbance and Revegetation 7 – **No debris of any sort** shall be left on the site. As a condition of this Order, the debris shall be removed from the site and disposed of properly, including the abandoned boat on the abutting property which is within the project footprint.
- Excavation, Site Disturbance and Revegetation 8 – **Nourishment material** shall be clean and of compatible grain size with existing material. This condition shall be an ongoing condition that will apply to any future nourishment and shall be recorded on the Certificate of Compliance as such.
- General 1 – **A maintenance plan**, including the commitment to protect his immediate southern neighbor from negative impact by the project, shall be written and signed by the applicant. The maintenance plan shall include provisions for monitoring. The monitoring shall include the submission of photographs of the project site on an annual or semi-annual basis, taken from the same vantage point, et. And shall permit an inspection of the site by the Agent/Commission for the purposes of determining conditions and the need for nourishment. The details of this maintenance plan shall be considered an ongoing condition and will be referenced on the Certificate of Compliance as such, thereby binding any future property owner to ongoing maintenance.
- General 4 – **The two foot wall extension** shall remain covered with sand. This condition shall be recorded on the Certificate of Compliance as an ongoing requirement.
- General 6 – As the **maintenance plan** may not be appropriate infinitum due to changes in site conditions, the Commission reserves the right in the future to require that a hearing be held, at the applicant's expense. This would be done for the purpose of determining whether conditions on the site have changed substantially, particularly in relation to the change in mean high water elevation or other. The Commission may determine that the maintenance plan is to be modified as necessary to protect the interests of the Act.

The pertinent conditions from the 2009 Order (SE 10-2611) include:

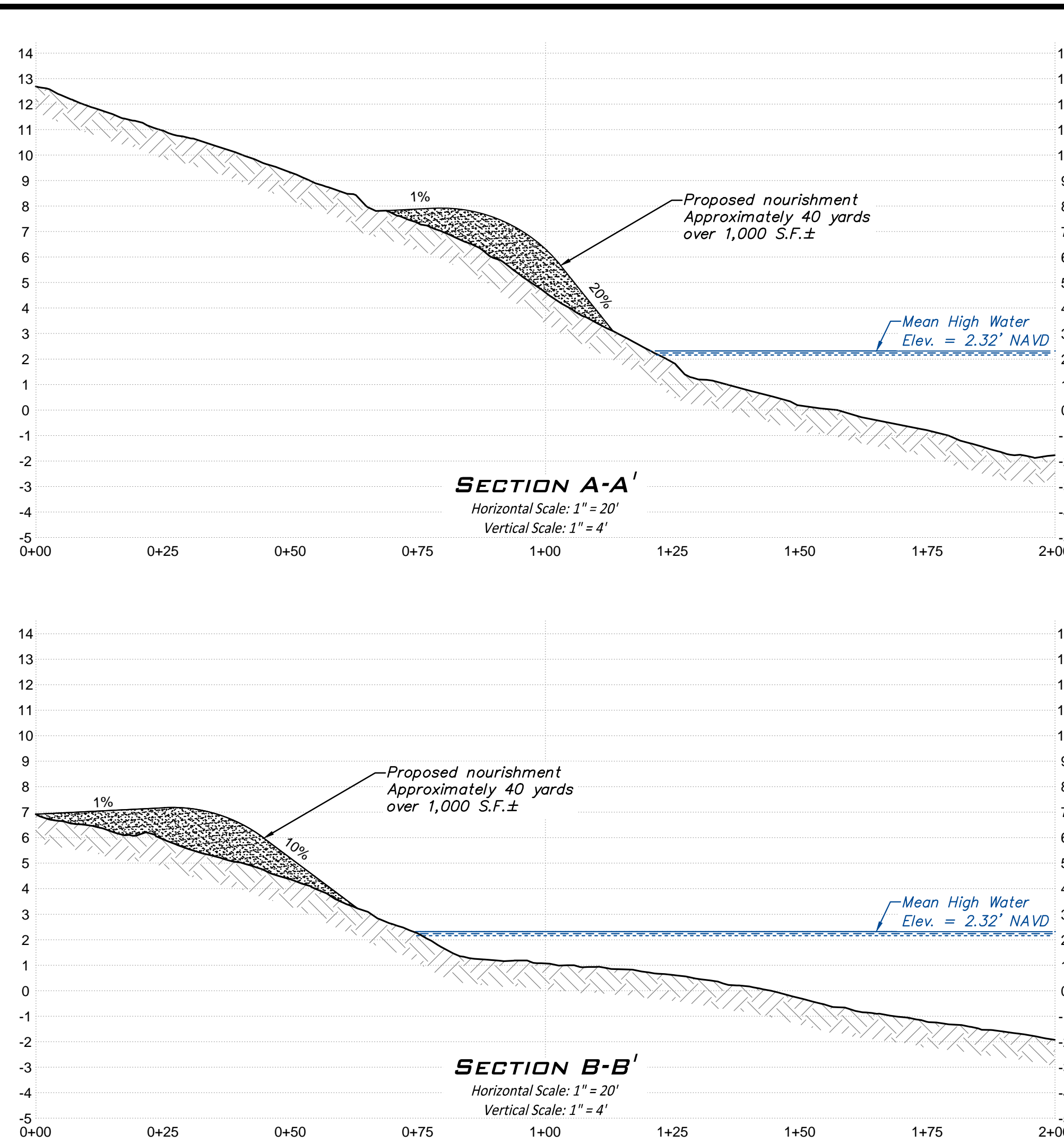
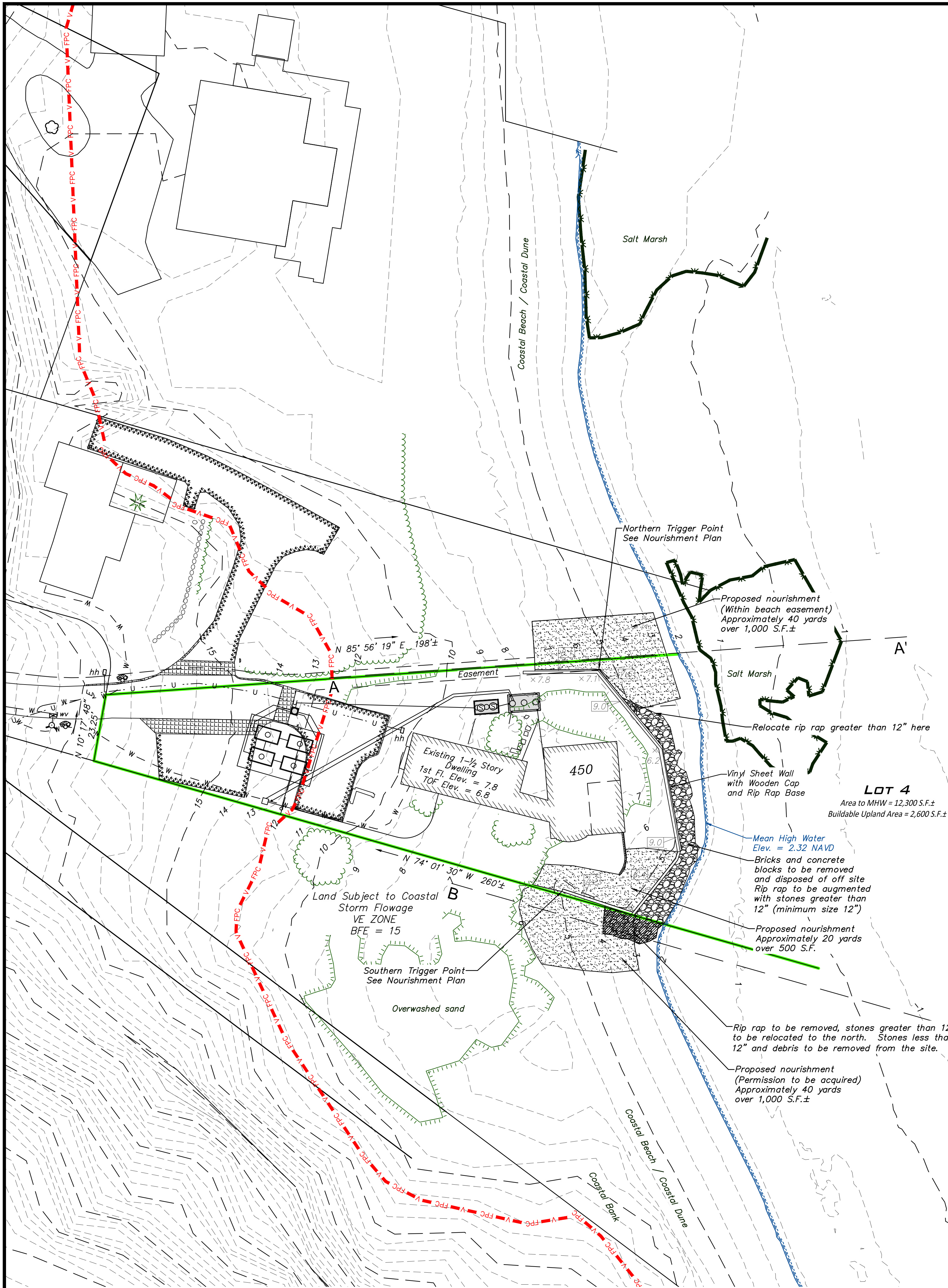
- Project Description 4 – The Commission made **no determination of the actual Mean High Water (MHW) elevation** under this Order, however the Commission felt confident that the project allowed under this Order is indeed above MHW.
- Project Description 5 – The areas south and north of the dwelling and bulkhead had experienced recent erosion. Therefore, the **extensions of the bulkhead** flanking the dwelling to both the

north and south are proposed with additional backfill and nourishment as mitigation totaling 80 cu. yds.

- Excavation and Site Disturbance 5 – **Machinery and/or material access** will be from the driveway and lawn area on the north of the dwelling. The granting of this permit does not obviate the applicant's need to gain proper permission from any abutter whose property is to be used for access.
- Excavation and Site Disturbance 10 – If, after consulting with qualified coastal engineers or coastal geologists, the Commission finds that the bulkhead or its extensions have caused or accelerated erosion on the site or on nearby properties, it may order the applicant to either nourish the beaches using clean sand of similar or larger grain size with an amount of material equal to the engineers/geologists calculation of the loss caused by the structure or take other action. **The Commission may order re-nourishment as necessary.**
- Excavation and Site Disturbance 11 – **The site shall be monitored** in conjunction with the maintenance program under SE 10-2247. Nourishment shall be added as necessary to maintain appropriate beach profiles. Prior to any nourishment, notice shall be given to the Commission/Agent so that site conditions may be reviewed.
- Excavation and Site Disturbance 12 – **Any re-nourishment or maintenance** of the site shall comply with the conditions of this Order and the Order issued under SE 10-2247.

Copy: DEP, Southeast Regional Office

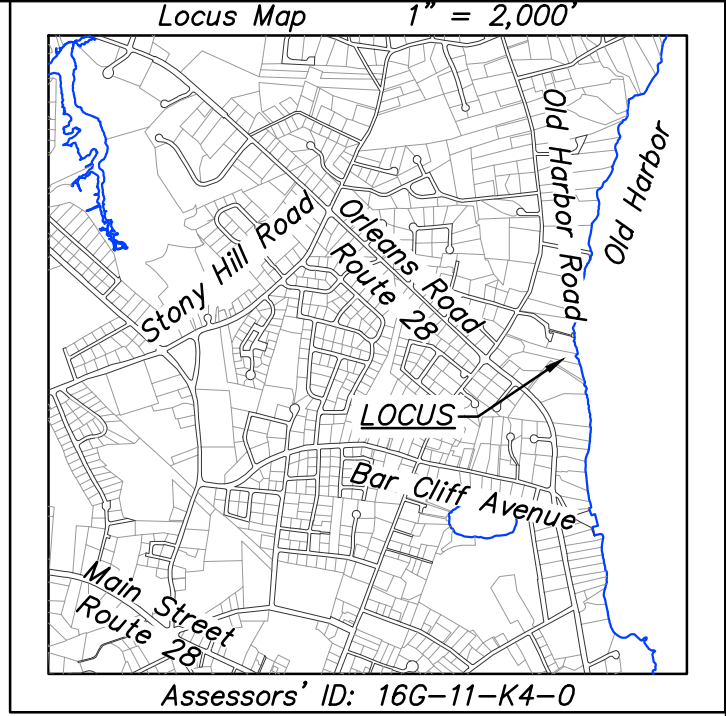
Y:\Clients\Morgan, Susan 0145\Old Harbor Road\450 Old Harbor Road\Notice of Intent\01 LOT for NOI 2019-02-26.doc



LEGEND

Existing 1-1/2 Story Dwelling
1st Fl. Elev. = 7.8
TOF Elev. = 6.8

- TH 1 - Test hole
- TB - Test boring
- Spot Lamp
- Wooden Lamp
- Metal Lamp
- Concrete Lamp
- Utility Manhole
- Underground Utility Line
- Underground Electric Meter
- Underground Electric Manhole
- Underground Electric Box
- Underground Electric Transformer
- Guy Pole
- Utility Pole
- Guy Wire
- Anchor
- Overhead Utilities
- Telephone Pedestal
- Telephone Manhole
- Cable Manhole
- Cable Pedestal
- Underground Communications Line
- Gas Meter
- Gas Manhole
- Gas Gate
- Gas Line
- Sewer Service
- Sewer Valve
- Sewer Manhole
- Sewer Cleanout
- Sewer Vent
- Septic Line
- Septic Cleanout
- Septic Manhole
- Sprinkler Head
- Irrigation Line
- Irrigation Control Box
- Monitoring Well
- Well
- Water Shut Off
- Water Meter Pit
- Water Service
- Water Valve
- Hydrant
- Water Main
- Catch Basin
- Drainage Manhole
- Round Catch Basin
- Drainage Line
- Step
- Outdoor Shower
- Chimney
- Bay Window
- Window Well
- Foundation
- Deck
- Air Conditioning Unit
- Generator
- Interval Contour
- Index Contour
- Top of Slope
- Bottom of Slope
- Contour Label
- Brick Wall
- Concrete Wall
- Stone Wall
- Stone Wall
- Edge of Brush
- Coniferous Bush
- Deciduous Bush
- Edge of Garden
- Edge of Landscaping
- Edge of Lawn
- Coniferous Tree
- Deciduous Tree
- Treeline
- Chain Link Fence
- Guardrail
- Picket Fence
- Post and Rail Fence
- Stockade Fence
- Wire Fence
- Solid Fence
- Mailbox
- Concrete Bollard
- Metal Ballard
- Flag Pole
- Centerline
- Striping
- Edge of Asphalt
- Edge of Brick
- Edge of Concrete
- Asphalt Curb
- Concrete Curb
- Stone Curb
- Edge of Dirt
- Flowline
- Edge of Rock
- Edge of Shell
- Edge of Stone
- Edge of Tile
- Edge of Wood



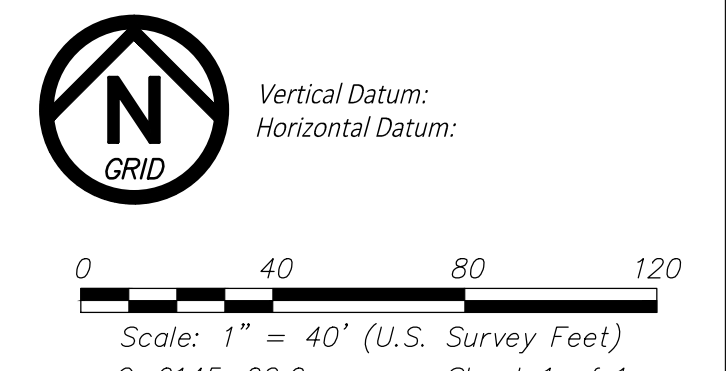
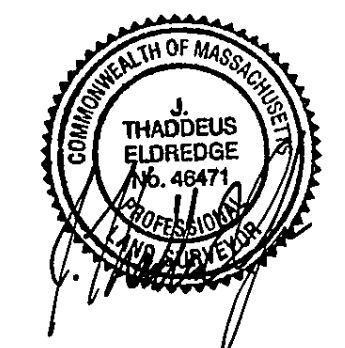
NOURISHMENT PLAN
450 Old harbor Road, Chatham, Massachusetts
February 25, 2019

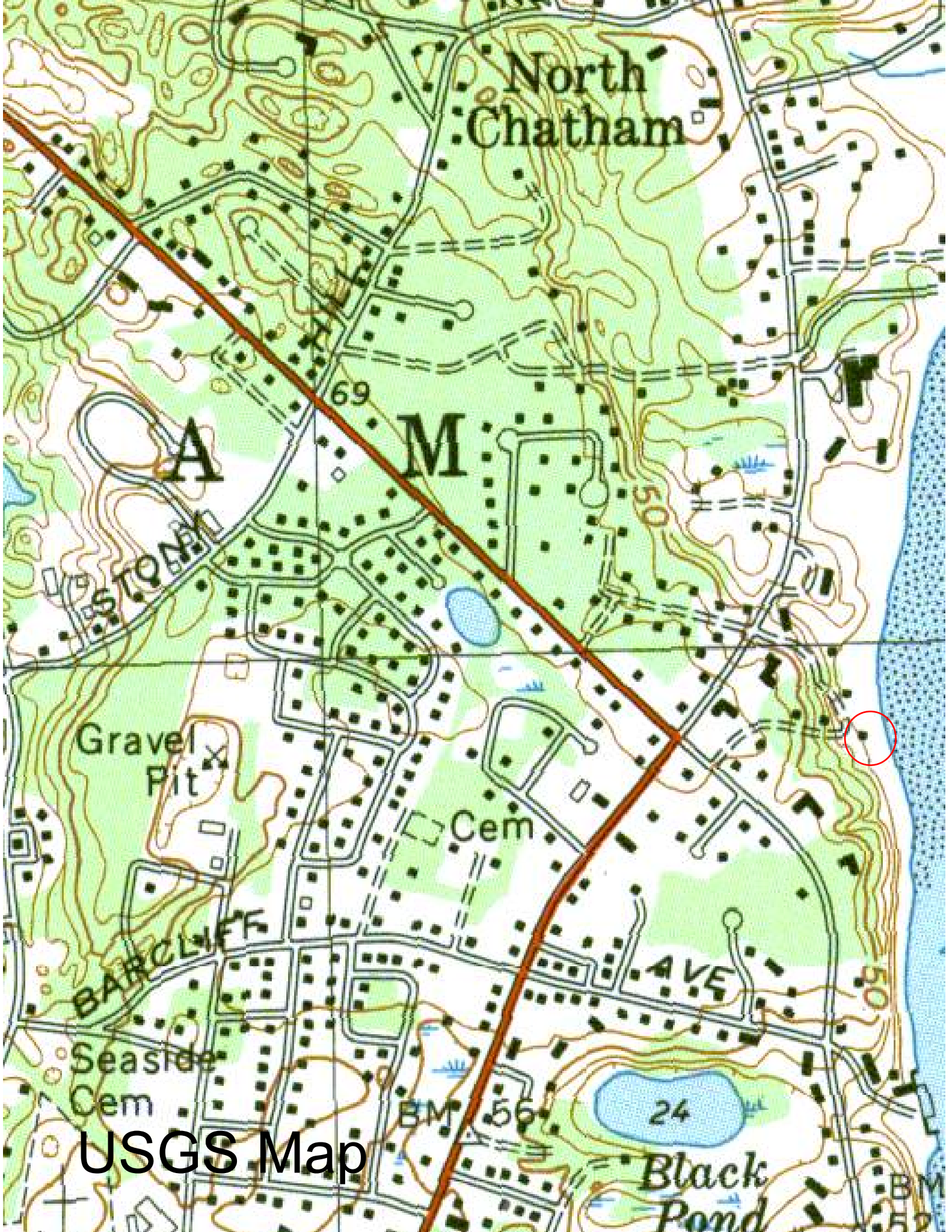
OWNER OF RECORD:
Susan B. Morgan
Deed Book 26,926, Page 300
Plan Book 629, Page 69, Lot 4

Description of Revision	Date

SUSAN MORGAN
Professional Engineer
No. 48471

EAST-SOUTHEAST, LLC
www.ese-llc.com * office@ese-llc.com
1038 Main Street, Chatham, MA 02633
(508) 945-3965 * Fax: (508) 945-5885





North
Chatham

MA

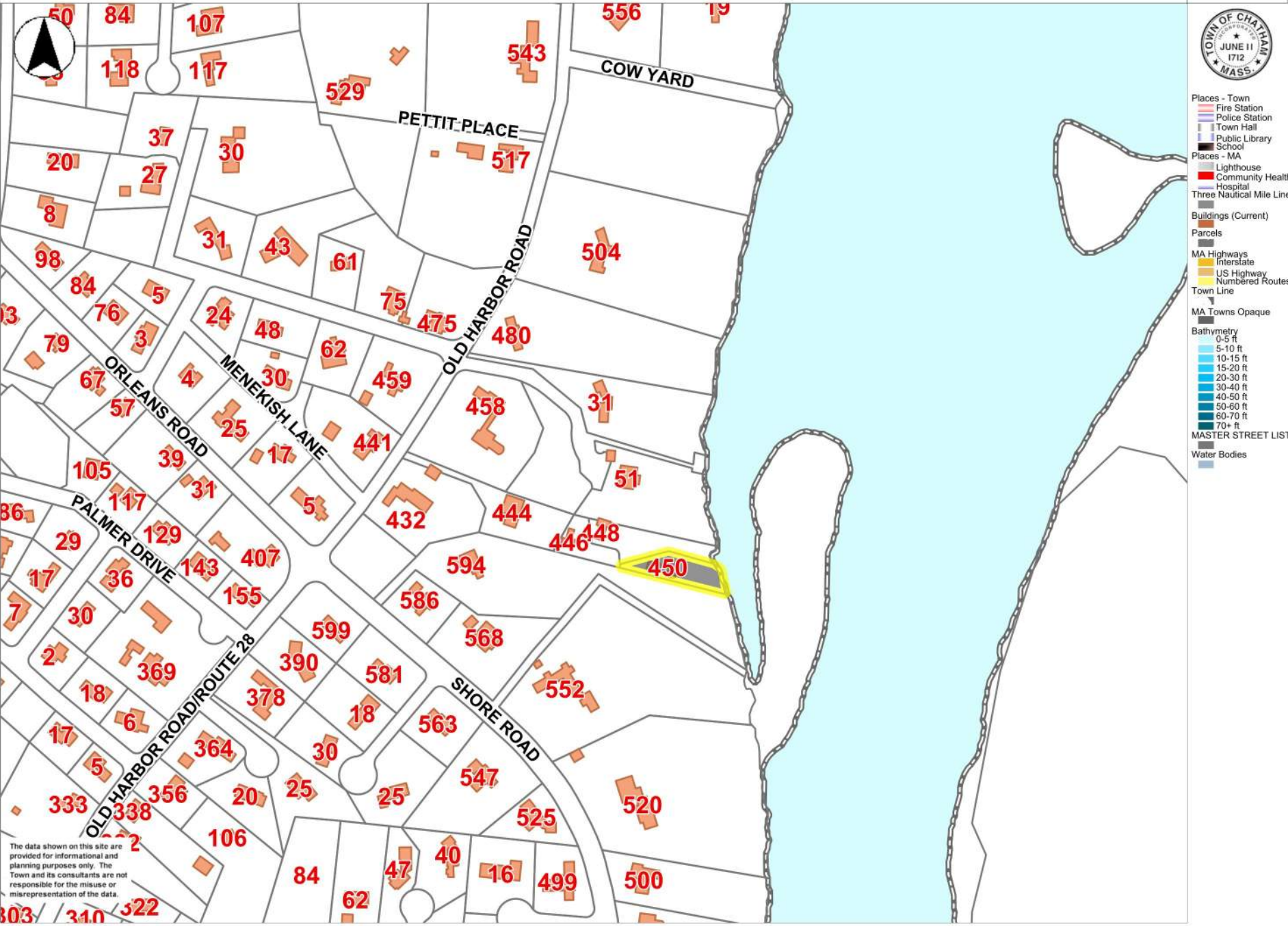
Gravel
Pit

Cem

Seaside
Cem

Black
Pond

USGS Map



- Places - Town
 - Fire Station
 - Police Station
 - Town Hall
 - Public Library
 - School
- Places - MA
 - Lighthouse
 - Community Health C
 - Hospital
- Three Nautical Mile Line
- Buildings (Current)
- Parcels
- MA Highways
 - Interstate
 - US Highway
 - Numbered Routes
- Town Line
- MA Towns Opaque
- Bathymetry
 - 0-5 ft
 - 5-10 ft
 - 10-15 ft
 - 15-20 ft
 - 20-30 ft
 - 30-40 ft
 - 40-50 ft
 - 50-60 ft
 - 60-70 ft
 - 70+ ft
- MASTER STREET LIST D
- Water Bodies

The data shown on this site are provided for informational and planning purposes only. The Town and its consultants are not responsible for the misuse or misrepresentation of the data.

0 400 800 ft

Printed on 02/25/2019 at 02:50 PM

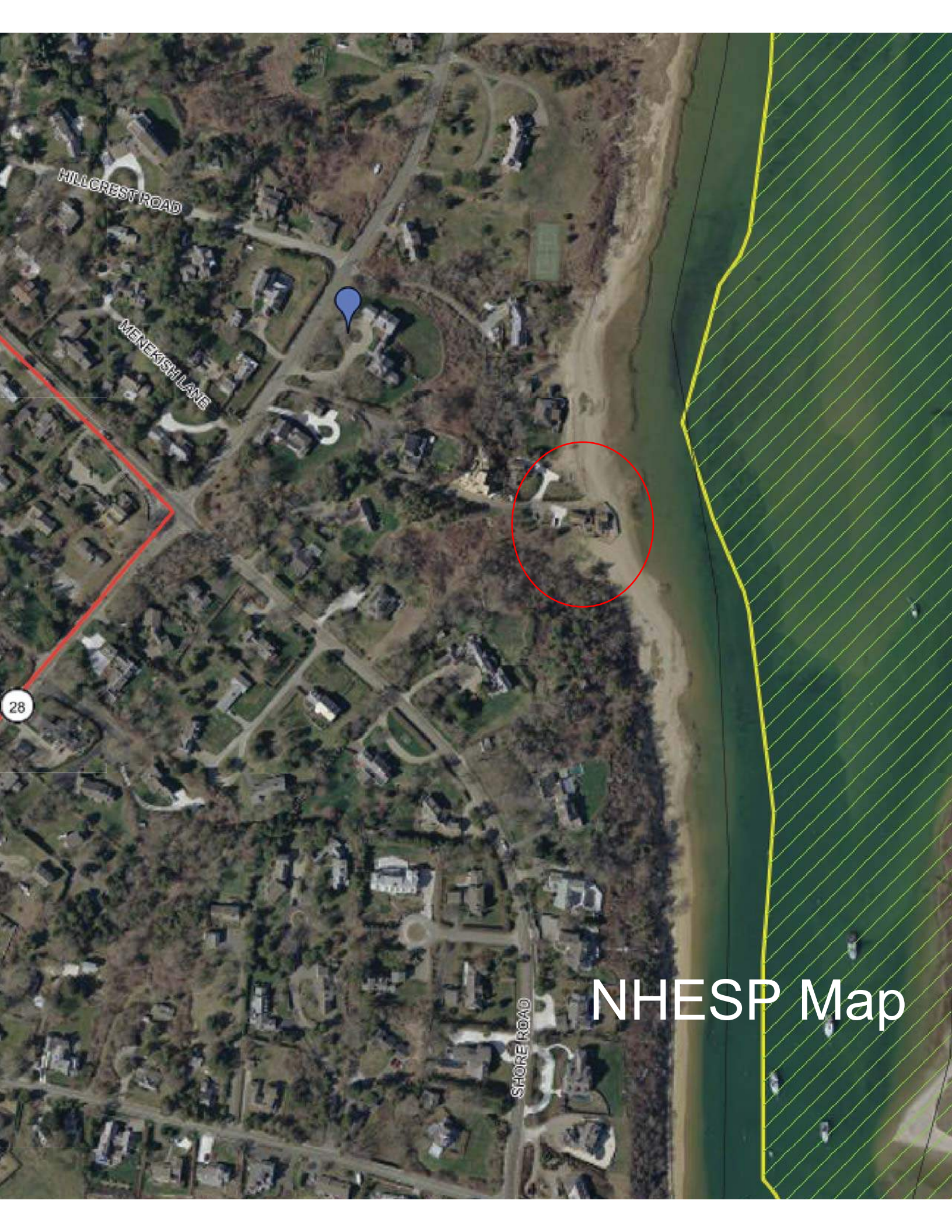


D/S B 227

228R

B

DEM Map



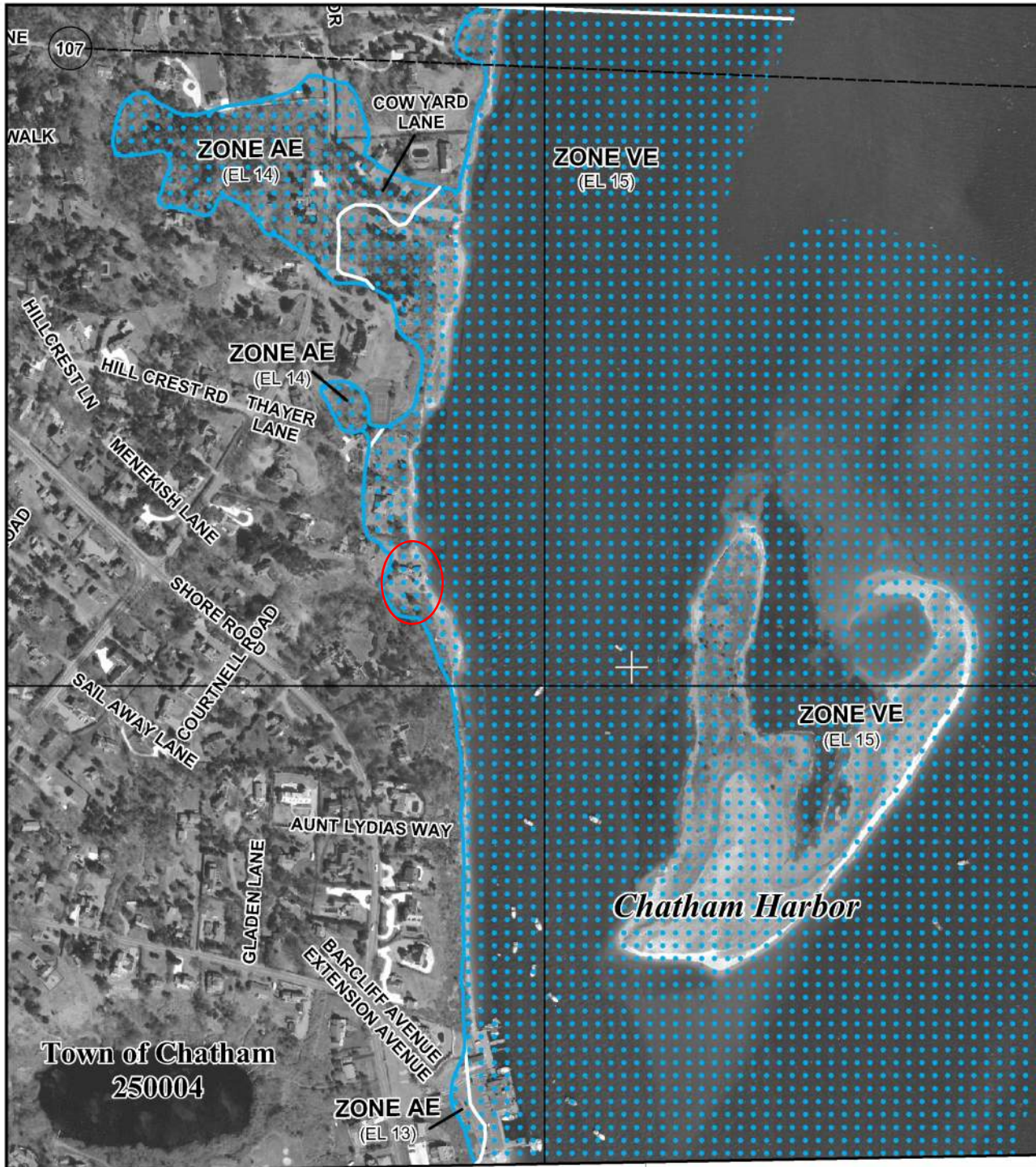
HILLCREST ROAD

MENEKISH LANE

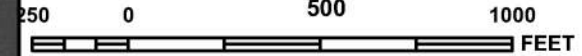
SHORE ROAD

NHESP Map

28



MAP SCALE 1" = 500'



PANEL 0629J

FIRM

FLOOD INSURANCE RATE MAP
BARNSTABLE COUNTY,
MASSACHUSETTS
(ALL JURISDICTIONS)

PANEL 629 OF 875

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
CHATHAM, TOWN OF	250004	0629	J

-NOTE-
THIS MAP INCLUDES BOUNDARIES OF THE COASTAL BARRIER RESOURCES SYSTEM ESTABLISHED UNDER THE COASTAL BARRIER RESOURCES ACT OF 1982 AND/OR SUBSEQUENT ENABLING LEGISLATION.

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.



MAP NUMBER
25001C0629J

EFFECTIVE DATE
JULY 16, 2014

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



TOWN OF CHATHAM
Conservation Commission

SITE ACCESS AUTHORIZATION

Date: February 26, 2019

Project: Beach nourishment

Location: 450 Old Harbor Road

Property Owner: Susan B. Morgan

I (We) hereby authorize the individual members of the Chatham Conservation Commission and its agents to enter upon the referenced property for the purpose of gathering information regarding the application filed with the Commission pursuant to the Wetlands Protection Act (MGL Ch 131, s. 40) and/or the Chatham Wetlands Protection Bylaw (Chapter 272).

Additionally, if an Order of Conditions is issued for the project, I (we) grant permission for Commission members and the Commission's agents to enter the above referenced property for the purpose of inspecting for compliance with the Order of Conditions. This site access authorization is valid until a Certificate of Compliance is issued by the Conservation Commission.

Authorized Signature:  Date 02/26/2019

Please Print J. Thaddeus Eldredge, PLS (representative)

(If other than owner, please state whether tenant, agent or other)

Mailing Address: 1038 Main Street
Chatham, MA 02633

Phone: 508-945-3965 Email: office@ese-llc.com

Cell: _____ Fax: 508-945-5885

REQUEST FOR ABUTTER'S LIST

DATE REQUESTED: February 25, 2019

LOCATION OF **SUBJECT** PROPERTY: 450 Old Harbor Road

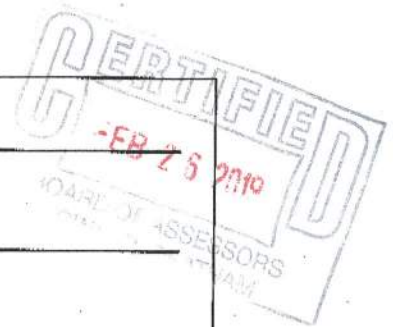
REQUEST FOR ABUTTERS WITHIN **HOW MANY FEET** OF SUBJECT PROPERTY? 100 FEET

PURPOSE FOR ABUTTERS LIST: CONSERVATION APPLICATION

NAME OF PERSON(S) REQUESTING ABUTTERS LIST: Marija S. Eldredge

SIGNATURE: *Marija Eldredge*

TELEPHONE NUMBER: 508-945-3965



FOR ASSESSORS USE ONLY

ABUTTERS LIST COMPLETED BY: Melanie Taylor

DATE COMPLETED: 2-26-19

PARCEL ID OF SUBJECT PROPERTY: 156-11-K4-0

AMOUNT DUE: 3,000

ASSESSOR'S SIGNATURE: _____

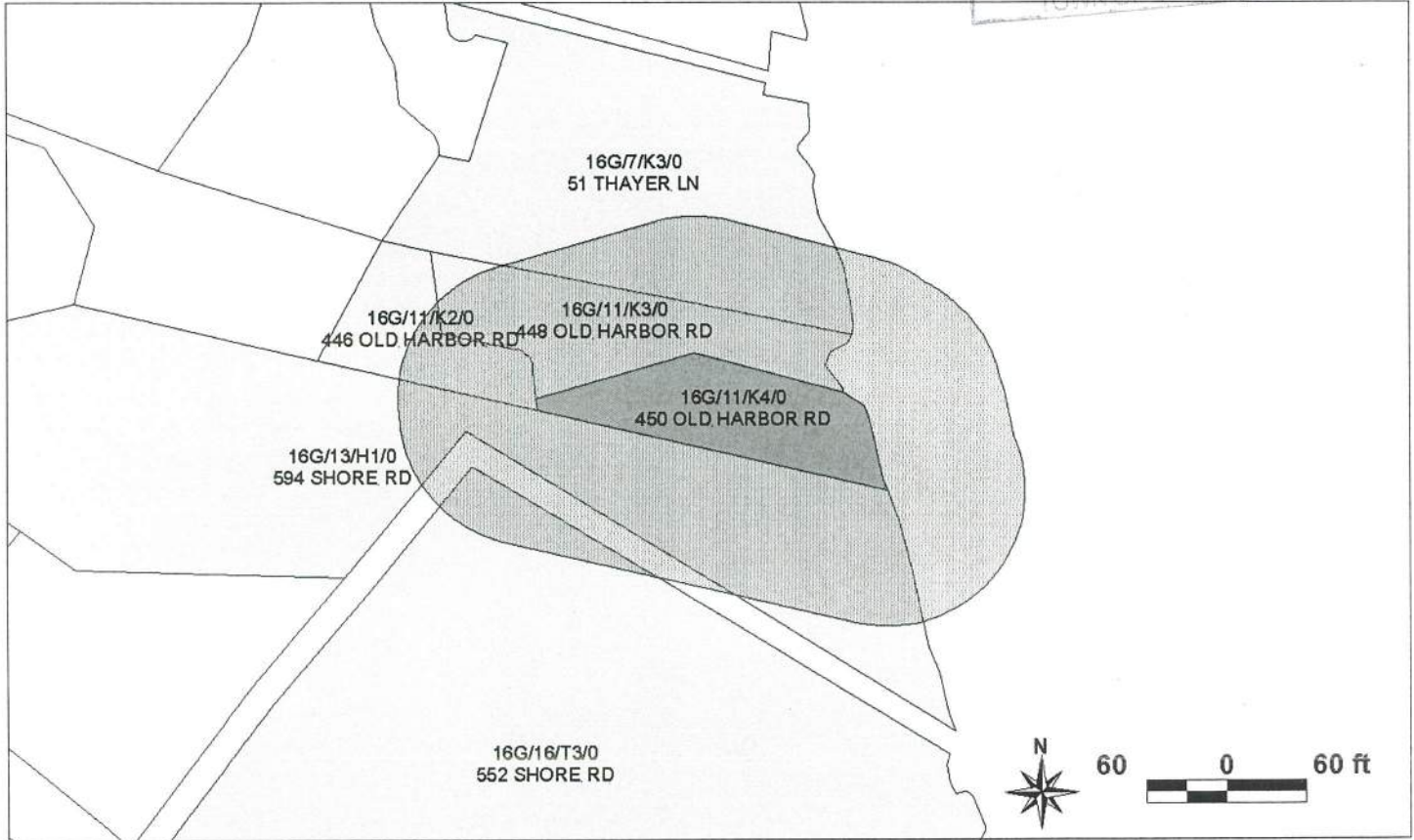




TOWN OF CHATHAM, MA
 BOARD OF ASSESSORS
 549 MAIN STREET CHATHAM MA 02633



Abutters List Within 100 feet of Parcel 16G/11/K4/0



Key	Parcel ID	Owner	Location	Mailing Street	Mailing City	ST	ZipCd/Country
3967	16G-7-K3-0-R	HAROLD GERSHMAN TRUST KATHLEEN GERSHMAN TRUST	51 THAYER LN	517 REEVES DRIVE	GRAND FORKS	ND	58201-4915
7876	16G-11-K2-0-R	HOVSEPIAN EDWARD A & APRIL M	446 OLD HARBOR RD	25 POND BROOK CIR	WESTON	MA	02493
7877	16G-11-K3-0-R	REILLY MICHAEL J & ELIZABETH K	448 OLD HARBOR RD	1 SCHUYLER LN	BLOOMFIELD	CT	06002-1534
7878	16G-11-K4-0-R	MORGAN SUSAN B	450 OLD HARBOR RD	450 OLD HARBOR RD	CHATHAM	MA	02633
3951	16G-13-H1-0-R	VICTORIA & G WARREN CHANE TRUSTS CHANE VICTORIA & WARREN G TRUSTEE:	594 SHORE RD	594 SHORE RD	CHATHAM	MA	02633-3263
3954	16G-16-T3-0-R	UPLAND ROAD LIVING TRUST SHORE ROAD LIVING TRUST	552 SHORE RD	5 UPLAND RD	GREENWICH	CT	06830

16G-7-K3-0-R

HAROLD GERSHMAN TRUST
KATHLEEN GERSHMAN TRUST
517 REEVES DRIVE
GRAND FORKS, ND 58201-4915

16G-11-K2-0-R

HOVSEPIAN EDWARD A & APRIL M
25 POND BROOK CIR
WESTON, MA 02493

16G-11-K3-0-R

REILLY MICHAEL J & ELIZABETH K
1 SCHUYLER LN
BLOOMFIELD, CT 06002-1534

16G-11-K4-0-R

MORGAN SUSAN B
450 OLD HARBOR RD
CHATHAM, MA 02633

16G-13-H1-0-R

VICTORIA & G WARREN CHANE TRUSTS
CHANE VICTORIA & WARREN G TRUSTEES
594 SHORE RD
CHATHAM, MA 02633-3263

16G-16-T3-0-R

UPLAND ROAD LIVING TRUST
SHORE ROAD LIVING TRUST
5 UPLAND RD
GREENWICH, CT 06830



EAST-SOUTHEAST, LLC

J. Thaddeus Eldredge, P.L.S.

*Surveying, Geomatics Engineering and Mapping
1038 Main Street ° Chatham, Massachusetts 02633
41°41'14.73425" N 69°58'24.87695" W -10.019 M*

Notice of Public Hearing

To:

Harold Gershman Trust
Kathleen Gershman Trust
517 Reeves Drive
Grand Forks, ND 58201

Edward A. and April M. Hovsepian
25 Pond Brook Circle
Weston, MA 02493

Michael J. and Elizabeth K. Reilly
1 Schuyler Lane
Bloomfield, CT 06002

Victoria and G. Warren Chane Trust
Victoria and Warren G. Chane
Trustees
594 Shore Road
Chatham, MA 02633

Upland Road Living Trust
Shore Road Living Trust
5 Upland Road
Greenwich, CT 06830

From: Marija Eldredge

Date: February 26, 2019

**Subject: Notice of Intent
Assessor Map 16G, Parcel K4
450 Old Harbor Road, Chatham**

The Chatham Conservation Commission will be holding a public hearing at the **Town Annex, 261 George Ryder Road on Wednesday, March 13, 2019 at or after 4:00pm** on the application of **Susan B. Morgan** to create and implement the Nourishment Plan in accordance with Orders of Conditions SE 10-2247 and SE 10-2611.

Enclosed please find a reduced copy of the site plan for your review.

More information can be found at:

<https://www.ese-llc.com/toc-parcels-2/450-old-harbor-rd>

The details of the project will be presented at the hearing and comment may be offered to the Conservation Commission either by attending this hearing or sending a letter to the Commission. The plan and application describing the project are on file with the Conservation Commission at 261 George Ryder Road or you may contact the Commission with any questions at 508-945-5164.

Copy: Chatham Conservation Commission
DEP

7018 0360 0001 6613 9740

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 Adult Signature Restricted Delivery \$0.00
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 Total Postage and Fees \$4.05

Michael J. and Elizabeth K. Reilly
1 Schuyler Lane
Bloomfield, CT 06002

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PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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 Adult Signature Required \$0.00
 Adult Signature Restricted Delivery \$0.00
 Postage \$0.55
 Total Postage and Fees \$4.05

Harold Gershman Trust
Kathleen Gershman Trust
517 Reeves Drive
Grand Forks, ND 58201

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PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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 Adult Signature Required \$0.00
 Adult Signature Restricted Delivery \$0.00
 Postage \$0.55
 Total Postage and Fees \$4.05

Victoria & G. Warren Chane Trust
Victoria & Warren G. Chane Trustees
594 Shore Road
Chatham, MA 02633

Postmark Here
02/26/2019
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PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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 Total Postage and Fees \$4.05

Edward A. and April M. Hovsepian
25 Pond Brook Circle
Weston, MA 02493

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02/26/2019
0633 70 02633

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instruction

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 Adult Signature Required \$0.00
 Adult Signature Restricted Delivery \$0.00
 Postage \$0.55
 Total Postage and Fees \$4.05

Upland Road Living Trust
Shore Road Living Trust
5 Upland Road
Greenwich, CT 06830

Postmark Here
02/26/2019
0633 70 02633

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instruction

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BOSTON, MA 02211

Certified Mail Fee	\$3.50
Postage	\$0.55
Total Postage	\$4.05
Extra Services & Fees (check box, add fees as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

0633 70
Postmark Here
02/26/2019

Department of Environmental Protection
P.O. Box 4062
Boston, MA 02211

7018 0360 0001 6613 9832

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For delivery information, visit our website at www.usps.com®.

LAKEVILLE, MA 02347

Certified Mail Fee	\$3.50
Postage	\$2.20
Total Postage at	\$5.70
Extra Services & Fees (check box, add fees as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00

0633 70
Postmark Here
02/26/2019

Massachusetts Department of Environmental Protection
20 Riverside Drive
Lakeville, MA 02347

TOWN OF CHATHAM CONSERVATION COMMISSION

Filing Requirements for
Notice of Intent (NOI) Application

**Date of Receipt of
Paper/Digital Copies**

(office use only)

Date of Scheduled Hearing

(office use only)

The Massachusetts Wetlands Protection Act and the regulations (310 CMR §10.00) recognize eight important public values or functions provided by wetlands, water bodies and areas subject to protection. The premise of the Massachusetts Wetlands Protection Act is that wetlands provide important functions that benefit the general public and therefore need to be protected. The protected interests of the Act include:

- Protection of public and private water supplies
- Protection of groundwater and water quality
- Providing flood control
- Prevention of storm damage
- Prevention of pollution
- Protection of fisheries
- Protection of shellfish & shellfish habitat
- Protection of wildlife & wildlife habitat

Therefore, any activity that would constitute filling, excavation, building upon, or other alteration of the land, water or vegetation of a wetland resource area or the adjacent upland extending 100 feet from a wetland resource area is prohibited without a permit from the Conservation Commission and Massachusetts Department of Environmental Protection.

Most applicants will have to file a Notice of Intent under both the MA Wetlands Protection Act (MGL Ch 131, s.40) and the Chatham Wetlands Protection Bylaw (CH 272). In Chatham, one application form will serve as filing under both statutes. WPA Form 3 and directions can be downloaded from the Department of Environmental Protection website.

If you do not have experience filling out Notice of Intent (NOI) applications, the Conservation Agent can provide assistance in the process, but often it is best for an applicant to seek professional services from an engineer or environmental / wetlands consultant who has experience in wetlands permitting.

The following NOI Checklist is considered part of the application and must be provided as evidence that the application is substantially complete in accordance with the requirements of the Chatham Wetlands Protection Regulations. If the application is deemed incomplete by the Agent or Commission a hearing will not be scheduled. If the hearing has already been scheduled, the Commission will request a continuance until the required information is received (See also Section titled: "Application Completeness")

TOWN OF CHATHAM CONSERVATION COMMISSION
Filing Requirements for
Notice of Intent (NOI) Application

Please provide the information below:

Project Address: _____
Name of Applicant: _____
Applicant's Address: _____
Applicant's Email Address: _____
Applicant's Phone #: _____
Name of Property Owner
(If different from Applicant): _____

If applicable:

Name of Applicant's Representative: _____
Representative's Email Address: _____
Representative's Phone Number: _____

Please identify if the project is being filed under the State and/or Local Regulations:

- Massachusetts Wetlands Protection Act (MGL Chapter 131, section 40)
- Chatham Wetlands Protection Bylaw (Chapter 272)

NOTICE OF INTENT (NOI) CHECKLIST:

In the following pages, please place a checkmark next to each item that is included in your Notice of Intent (NOI) Application. The NOI Checklist can be filled out on paper or on a fillable pdf. If you have any questions about how to fill out the form, please contact the Conservation Division and staff can assist you in the process.

TOWN OF CHATHAM CONSERVATION COMMISSION
 Filing Requirements for
 Notice of Intent (NOI) Application

ADMINISTRATIVE MATERIALS:

Please provide the following Administrative Materials and check the box stating that the materials are included or not applicable to the project. If the material is not applicable to the project, please describe why in the project narrative. In the Table below, if the NA check box in grayed out, the item is required. If needed, the underlined items are web links for more information.

Included	NA	Administrative Items
<input type="checkbox"/>		WPA Form 3 for Notice of Intent or WPA Form 4 for an Abbreviated Notice of Intent with signatures of the applicant/s, and/or property owner/s and representative filing the application.
<input type="checkbox"/>		MA Department of Environmental Protection NOI Fee Transmittal Form with copies of the checks.
<input type="checkbox"/>		<u>Town of Chatham Local Filing Fee</u> (Section 1.09 of General Provisions). Checks should be made out to the Town of Chatham. Please include a copy of the Check for the Local Filing Fee.
<input type="checkbox"/>		Original Site Access Authorization Form signed by the property owner(s).
<input type="checkbox"/>		Certified Abutters List within 100 feet of the boundaries of the parcel where the work is proposed. This must be requested from the Town Assessor.
<input type="checkbox"/>		Assessors Map showing the abutting parcels and project locus.
<input type="checkbox"/>		Abutter notification letter – if needed, use the form letter provided.
<input type="checkbox"/>		Copies of date stamped mailing receipts as proof of mailing to Abutters and to the Department of Environmental Protection. Note: Submission of green cards is no longer required. Copies of the Receipts must be submitted one week prior to the first hearing date.
<input type="checkbox"/>		8½ X 11” copy of the United States Geological Survey (USGS) quadrangle showing project locus.
<input type="checkbox"/>	<input type="checkbox"/>	8½ X 11” copy of the Federal Emergency Management Agency (FEMA) 2014 <u>Flood Insurance Rate Map</u>
<input type="checkbox"/>	<input type="checkbox"/>	Copy of filing sent to <u>Natural Heritage and Endangered Species Program (NHESP)</u> under the Massachusetts Endangered Species Act. Copy of filing must be submitted one week prior to first hearing date.
<input type="checkbox"/>	<input type="checkbox"/>	Date-stamped mailing receipt as proof of mailing to Natural Heritage and Endangered Species Program (NHESP) and/or Massachusetts Department of Marine Fisheries (DMF). Mailing receipt must be submitted one week prior to the first hearing date.

TOWN OF CHATHAM CONSERVATION COMMISSION
 Filing Requirements for
 Notice of Intent (NOI) Application

TBD

<input type="checkbox"/>	<input type="checkbox"/>	Copy of <u>Environmental Notification Form</u> (ENF) application with comments from <u>Massachusetts Environmental Policy Act (MEPA) Office</u> and a copy of the Secretary's decision
<input type="checkbox"/>	<input type="checkbox"/>	Copy of recorded <u>Chapter 91 license</u> and license plans.
<input type="checkbox"/>	<input type="checkbox"/>	Description of the filing status with the Zoning Board of Appeals or if applicable, a copy of the Zoning Board of Appeals decision
<input type="checkbox"/>	<input type="checkbox"/>	Drainage calculations and <u>Department of Environmental Protection Stormwater checklist</u>

PROJECT NARRATIVE:

Please provide the following items and check the box stating that the materials are included or not applicable (NA) to the project. If the material is not applicable to the project, please describe why in the project narrative. In the Table below, if the NA check box in grayed out, the item is required.

Included	NA	Project Narrative Items
<input type="checkbox"/>		A clear and comprehensive description of the existing property
<input type="checkbox"/>		A clear and comprehensive description of the proposed project. If application, include a detailed description of the proposed mitigation.
<input type="checkbox"/>		A list of all Resource Areas and a brief description of how these areas were delineated
<input type="checkbox"/>		Comprehensive discussion of how the proposed project will meet the Performance Standards of the Resource Areas pertaining to both the relevant <u>State</u> and <u>Local</u> wetlands statutes.
<input type="checkbox"/>		Written Statement that the Resource Areas identified in the State NOI Application (WPA Form 3) are consistent with the Resource Areas identified in the Performance Standards in the Local NOI Application. If not consistent, state the reason why they are not consistent.
<input type="checkbox"/>		A work/construction protocol including site access, method of erosion control, general description of machinery to be used on site, anticipated start date, planned measures to protect impacted and nearby Resource Areas, etc.
<input type="checkbox"/>	NA	A list of the required permits from local Boards/Commissions (i.e. Chatham Planning Board, Chatham Zoning Board of Appeals)
<input type="checkbox"/>	NA	A copy of the decisions or, if applicable, hearing dates for local Boards/Commissions (i.e.) Planning Board, Zoning Board of Appeals, etc.

TOWN OF CHATHAM CONSERVATION COMMISSION

Filing Requirements for
Notice of Intent (NOI) Application

Waiting	<input type="checkbox"/>	NAA	Area Calculation Table. This table is provided at the end of this packet and must be filled out in Project Narrative exactly as provided.
	<input type="checkbox"/>	<input type="checkbox"/>	A list of permits in hand or permits required by other Federal or State Agencies (i.e. Chapter 91 license, Water Quality Certification, Massachusetts Environmental Policy (MEPA) Office Review, U.S. Army Corps of Engineers, Massachusetts Endangered Species Act determination)
	<input type="checkbox"/>	<input type="checkbox"/>	<u>Variance Request</u> with a detailed Alternatives Analysis, if work is within a Resource Area, riverfront area or within the 50 foot No Disturb Zone to the Resource Area or if planned work will not fully comply with all applicable Performance Standards.

SITE PLAN:

Please provide the following items on the site plan and check the box stating that the materials are included or not applicable (NA) to the project. If the material is not applicable to the project, please describe why in the project narrative. In the Table below, if the NA check box in grayed out, the item is required.

Included	NA	Site Plan Items
<input type="checkbox"/>		Site Plan in NAVD 88 datum and plans must be to scale (no reduced copies)
<input type="checkbox"/>		Property Owner and the Address of the Subject Property
<input type="checkbox"/>		Assessors Map and Parcel Number of property
<input type="checkbox"/>		All property lines and easements pertinent to the project
<input type="checkbox"/>		Locus map
<input type="checkbox"/>		Size of the Plan shall be no smaller than 11 x 17 inches and no larger than 36 x 24 inches
<input type="checkbox"/>		Stamp and signature of MA registered professional
<input type="checkbox"/>		Show and label all Resource Areas on site, delineated within the last three years, and delineations of the 50 and 100 foot boundaries from resource area(s)
<input type="checkbox"/>	<input type="checkbox"/>	Mean High Water (MHW) and Mean Low Water (MLW), identified within the last three years, with a statement in the narrative detailing how the elevations were determined.
<input type="checkbox"/>	<input type="checkbox"/>	If <u>Bordering Vegetated Wetland (BVW)</u> or vegetated wetland are on site, provide field wetland delineation forms within the last three years, including soil descriptions and comments on wetland hydrology

TOWN OF CHATHAM CONSERVATION COMMISSION
 Filing Requirements for
 Notice of Intent (NOI) Application

<input type="checkbox"/>		Existing buildings and other property features such as dwelling, hardscape, stairways, decks, fire pits, pools, hot tubs, and flagpoles
<input type="checkbox"/>		Existing grades on site
<input type="checkbox"/>		Location of Proposed Project such as construction of dwelling, additions to the dwelling, hardscape, stairways, decks, fire pits, pools, hot tubs, coastal stabilization structures and mitigation areas
<input type="checkbox"/>		Proposed grades on site
<input type="checkbox"/>		Limit of work and locations of erosion control
<input type="checkbox"/>	<input type="checkbox"/>	If applicable, distance of the proposed project components from property lines (i.e. setbacks)
<input type="checkbox"/>	<input type="checkbox"/>	In the case of docks/piers, catwalks or other water dependent structures provide cross-section of dock, depth profile, plank spacing, use of synthetic decking, square footage calculations and seasonal storage location.

LANDSCAPE PLAN (if applicable to the project):

Please provide the following items on a separate landscape plan and check the box stating that the materials are included or not applicable (NA) to the project. If the material is not applicable to the project, please describe why in the project narrative. In the Table below, if the NA check box in grayed out, the item is required.

Included	NA	Landscape Plan Items
<input type="checkbox"/>		Area(s) of proposed native plantings with total square feet identified on the plan (Note: The minimum mitigation (planting of native plants) for alterations to the resource area or the No Disturb Zone (0-50 feet) zone are 2 for 1, and for alterations to the Adjacent Upland Resource Area (outer AURA, 50-100 feet) are 1 for 1.)
<input type="checkbox"/>		Each plant iconized to correspond with a planting list on the plan. The list should include the species, the container size, the spacing, and any other applicable information. A list of native trees and shrubs for coastal environments can be obtained from the <u>Cape Cod Cooperative Extension</u>
<input type="checkbox"/>		Fill out the Area Calculation Table provided in this packet and place it on the landscape plan
<input type="checkbox"/>	<input type="checkbox"/>	Number and location of trees to be removed, replaced, transplanted or planted

TOWN OF CHATHAM CONSERVATION COMMISSION

Filing Requirements for
Notice of Intent (NOI) Application

AREA CALCULATIONS TABLE (in Square feet)

Below is the Table to include in the Project Narrative and if applicable, the Landscape Plan. If the table is not applicable (NA) to the project, please write “NA” in the open cells of the table.

Within 50 ft from the Resource Area (No Disturb Zone)	Existing (sq. ft.)	Proposed (sq. ft.)	Net Change (sq. ft.)	Proposed Mitigation (sq. ft.)
Area of structures (dwelling, sheds, decks, etc.)				
Area of hardscape, pools, walkways, driveway, etc.				
Within 50ft – 100ft of the Resource Area (the outer AURA)	Existing (sq. ft.)	Proposed (sq. ft.)	Net Change (sq. ft.)	Proposed Mitigation (sq. ft.)
Area of structures (dwelling, sheds, decks, etc.)				
Area of hardscape, pools, walkways, driveway, etc.				
Total Areas				

PAPER AND DIGITAL FILING:

Compile all of the materials listed the 5 sections above into a complete packet and submit the following:

<input type="checkbox"/>	<u>Paper</u> copies of the complete application with corresponding plans for each current Commission Member, the Conservation Agent, the File, and two extra copies. All copies must be submitted to the Conservation Division in the Town Hall Annex, 261 George Ryder Rd, Chatham, MA 02633.
<input type="checkbox"/>	One <u>digital</u> copy of the complete application with corresponding plans. <u>Note:</u> it is the Applicant/Representative’s responsibility to ensure that the digital copy is a duplicate

TOWN OF CHATHAM CONSERVATION COMMISSION
Filing Requirements for
Notice of Intent (NOI) Application

of the paper copies of the Application. Please email the complete digital copy to the Conservation Agent (charper@chatham-ma.gov) and Conservation Commission Secretary (mfougere@chatham-ma.gov).
--

APPLICATION COMPLETENESS:

At the time the Application is received via email and in person, the Conservation Agent will review the application for completeness using the items listed in the above NOI Checklist. Incomplete applications will not be accepted. If the Agent determines that the Application is incomplete, the Conservation Commission will continue the hearing to a date certain.

Prior to a scheduled hearing, if the Commission determines that supplemental materials and/or information are needed, the materials must be received by the Conservation Agent and Conservation Secretary within 7 calendar days prior to the next scheduled hearing to give the Commission members and Agent time to review the materials and/or visit the site with the new information.

ON-SITE PREPARATIONS:

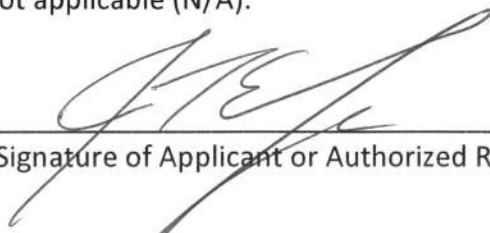
The project must be clearly staked or marked in the field at least 10 business days before the hearing date. Please designate a flag color for the areas listed above and, in your Application, include a color legend for the flags so that the Commissioners understand the flagging system in the field. If the project is not staked and the flagging legend is not included in the Application, the Application will be considered incomplete.

Please mark the following areas with colored tape and labelled stakes:

- Edge of resource area
- 50 foot and 100 foot delineations from edge of resource area(s)
- Limit of work
- Proposed project areas (i.e.) building corners, retaining walls, etc.
- Property boundaries
- Prominent stake at entrance to the property with the name of the Applicant on the stake.
- Any trees or branches over 2 inches in diameter must be flagged with tape.

CERTIFICATION:

I certify that the required documentation referred to above has been provided to the Chatham Conservation Commission and the required tasks have been completed as checked above or marked not applicable (N/A).



Signature of Applicant or Authorized Representative

2-26-18

Date

1376

EAST-SOUTHEAST, LLC
1038 MAIN STREET
CHATHAM, MA 02633
www.es-e-llc.com

CAPE 5 PO Box 10
COD Orleans, MA 02653
capecodfive.com
53-7107/2113

2/26/2019

PAY TO THE ORDER OF Town of Chatham Conservation Commission

\$ **482.50

Four Hundred Eighty-Two and 50/100*****

DOLLARS

Town of Chatham
Conservation Commission
261 George Ryder Road
Chatham, MA 02633



Margie Winikobay Enyow
AUTHORIZED SIGNATURE

MEMO
450 Old Harbor Road

⑈001376⑈ ⑆211371078⑆ 83 2443883⑈

EAST-SOUTHEAST, LLC

Town of Chatham Conservation Commission

2/26/2019

1376

Town Share of Filing Fee	262.50
Local Filing Fee	200.00
Advertising Fee	20.00

01 ESE-LLC -3883 bo 450 Old Harbor Road

482.50

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