CLARK ENGINEERING LLC

156 Crowell Road, Suite B Chatham, MA 02633

David A. Clark, P.E. Wendy M. Jones

Phone: (508) 945-5454

Fax: (508) 945-5458

LETTER OF TRANSMITTAL

To:

Town of Chatham

Conservation Commission

From:

David A. Clark, P.E.

Date:

March 10, 2020

Subject:

Property located at 39 Homestead Lane

Owner/Applicant: Ann Poppleton

The following items are enclosed:

- 1. Original check in the amount of \$137.50 for advertising (\$20.00), Category 1 filing fee (\$50.00), and town share of wetland fee (\$67.50);
- 2. Nine (9) packets containing the following items:
 - Town of Chatham "Filing Requirements for Notice of Intent (NOI) Application" form
 - MA DEP "WPA Form 3 Notice of Intent"
 - Copy of filing fee checks
 - Site Access Authorization Form
 - Assessor's Map
 - Affidavit of Service to Abutters including abutter's notice and certified abutter's list
 - USGS Map
 - Flood Map with Locus
 - Existing Conditions Plan dated 03/05/20
 - Project Narrative prepared by Cape Organics
 - Conservation Flagging/Staking Color Code Sheet

pc: Ann Poppleton

Massachusetts DEP - Southeast Region

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LETTER OF TRANSMITTAL

To:

Massachusetts DEP

Southeast Region

From:

David A. Clark, P.E.

Date:

March 10, 2020

Subject:

Property located at 39 Homestead Lane, Chatham

Owner/Applicant: Ann Poppleton

Enclosed are the following items:

- Copy of the completed Notice of Intent (Form 3);
- 2. Existing Conditions Plan dated 03/05/20;
- 3. Project Narrative prepared by Cape Organics;
- 4. Assessor's Map;
- 5. U.S.G.S. Map;
- 6. Affidavit of Service to Abutters; and
- 7. Copies of checks sent to DEP in Boston and Chatham Conservation Commission.

copy: Ann Poppleton

Chatham Conservation Commission

Date of Receipt of Paper/Digital Copies

Date of Scheduled Hearing

(office use only)

(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")

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Please provide the information below:

Project Address: 39	39 Homestead Lane			
•	nn Poppleton, Trustee	Ann R. Poppleton Revocable Trust		
· ·	2 Seaside Lane, Apt. 802 Belleair, FL 33756			
Applicant's Email Address:				
Applicant's Phone #:				
Name of Property Owner (If different from Applicant):				
<u>If applicable</u> :	David A. Clark	Clark Engineering LLC		
Name of Applicant's Representat	office@clarkeng.			
Representative's Email Address: Representative's Phone Number	508-945-5454			
•				
Places identify if the project is h	oing filed under the Si	tate and/or Local Regulations:		

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

7	Massachusetts	Wetlands Protection	n Act (MGL	. Chapter 131,	section 40)
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✓ 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.

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
V		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.
V		MA Department of Environmental Protection NOI Fee Transmittal Form with copies of the checks.
7		Town of Chatham Local Filing Fee (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.
V		Original Site Access Authorization Form signed by the property owner(s).
		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.
√		Assessors Map showing the abutting parcels and project locus.
✓		Abutter notification letter – if needed, use the form letter provided.
V		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.
lacksquare		8½ X 11" copy of the United States Geological Survey (USGS) quadrangle showing project locus.
V		8½ X 11" copy of the Federal Emergency Management Agency (FEMA) 2014 Flood Insurance Rate Map
	V	Copy of filing sent to <u>Natural Heritage and Endangered Species Program</u> (NHESP) under the Massachusetts Endangered Species Act. Copy of filing must be submitted one week prior to first hearing date.
	V	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.

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V	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
V	Copy of recorded <u>Chapter 91 license</u> and license plans.
$ \mathbf{V} $	Description of the filing status with the Zoning Board of Appeals or if applicable, a copy of the Zoning Board of Appeals decision
V	Drainage calculations and <u>Department of Environmental Protection</u> <u>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
✓		A clear and comprehensive description of the existing property
V		A clear and comprehensive description of the proposed project. If application, include a detailed description of the proposed mitigation.
V		A list of all Resource Areas and a brief description of how these areas were delineated
V		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.
V		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.
V		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.
V		A list of the required permits from local Boards/Commissions (i.e. Chatham Planning Board, Chatham Zoning Board of Appeals)
V		A copy of the decisions or, if applicable, hearing dates for local Boards/Commissions (i.e.) Planning Board, Zoning Board of Appeals, etc.

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V		Area Calculation Table. This table is provided at the end of this packet and must be filled out in Project Narrative exactly as provided.
	√	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)
	✓	Variance Request 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
✓		Site Plan in NAVD 88 datum and plans must be to scale (no reduced copies)
V		Property Owner and the Address of the Subject Property
V		Assessors Map and Parcel Number of property
7		All property lines and easements pertinent to the project
√		Locus map
V		Size of the Plan shall be no smaller than 11 x 17 inches and no larger than 36 x 24 inches
\checkmark		Stamp and signature of MA registered professional
V		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)
7		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.
	V	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

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V		Existing buildings and other property features such as dwelling, hardscape, stairways, decks, fire pits, pools, hot tubs, and flagpoles
√		Existing grades on site
V		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
V		Proposed grades on site
✓		Limit of work and locations of erosion control
	Ø	If applicable, distance of the proposed project components from property lines (i.e. setbacks)
	V	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
V		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.)
V		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>
√		Fill out the Area Calculation Table provided in this packet and place it on the landscape plan
7		Number and location of trees to be removed, replaced, transplanted or planted

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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.)	N/A	N/A	N/A	N/A
Area of hardscape, pools, walkways, driveway, etc.	N/A	N/A	N/A	N/A
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.)	N/A	N/A	N/A	N/A
Area of hardscape, pools, walkways, driveway, etc.	N/A	N/A	N/A	N/A
Total Areas	N/A	N/A	N/A	N/A

PAPER AND DIGITAL FILING:

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

V	<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.
V	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

Effective date 1/1/19 Page 7 of 8

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.

CERTITION COLOR	
I certify that the required documentation referr	ed to above has been provided to the Chatham
Conservation Commission and the required task	s have been completed as checked above or

marked not applicable (N/A).

Signature of Applicant or Authorized Representative

Date

CERTIFICATION:



WPA Form 3 – Notice of Intent

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

Рго	vided by MassDEP:
	MassDEP File Number
	Document Transaction Number
40-1000-	Chatham
	City/Town

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





Note: Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

. General Infor	mation					
Project Location (N	ote: electronic filers	will click on button to loca	ate project site):			
39 Homestead Lane	e	Chatham	02633			
a. Street Address		b. City/Town	c. Zip Code			
Latitude and Longite	ude:	d. Latitude	e. Longitude			
15C		21				
f. Assessors Map/Plat N	umber	g. Parcel /Lot i	Number			
Applicant:						
Ann			n, Trustee			
a. First Name		b. Last Nar	ne			
Ann R. Poppleton R	Revocable Trust					
c. Organization						
2 Seaside Lane, Ap	ot. 802					
d. Street Address		}** 1	20750			
Belleair		FL f. State	33756			
e. City/Town		i. State	g. Zip Code			
Property owner (rec		b. Last Nar	eck if more than one owner			
c. Organization						
d. Street Address						
e. City/Town		f. State	g. Zip Code			
h. Phone Number	i. Fax Number	j. Email address				
Representative (if a	iny):					
David		Clark, P.	Ε.			
a. First Name		b. Last Nar	ne			
	Clark Engineering LLC					
c. Company	• " =					
156 Crowell Road,	Suite B					
d. Street Address		R.A.A	02633			
Chatham		MA f. State	しとりるる			
0. 500 045 5454						
508-945-5454 h. Phone Number	E00.045.5450		g. Zip Code			
	508-945-5458	office@clarkeng	g. Zip Code			
THE DAME A DAM	i. Fax Number	office@clarkeng j. Email address	g. Zip Code			
Total WPA Fee Paid	i. Fax Number	office@clarkeng	g. Zip Code			
\$110.00	i. Fax Number d (from NOI Wetlan	office@clarkeng j. Email address	g. Zip Code			



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

Α.	Genera	Information	(continued)

6.	General Project Description:					
	Removal of non-native vegetation and replanting wa	native vegetation on Coastal Bank.				
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. Dther					
7b.	Is any portion of the proposed activity eligible to be					
	Restoration Limited Project) subject to 310 CMR 10	0.24 (coastal) or 310 CMR 10.53 (inland)? ed project applies to this project. (See 310 CMR				
		olete list and description of limited project types)				
	2. Limited Project Type					
	If the proposed activity is eligible to be treated as a					
	CMR10.24(8), 310 CMR 10.53(4)), complete and a Project Checklist and Signed Certification.	ttach Appendix A: Ecological Restoration Limited				
_	•					
8.	Property recorded at the Registry of Deeds for:					
	Barnstable	216307 (LC Plan 17459-B, Lot A) b. Certificate # (if registered land)				
	a. County	b. Certificate # (ii registered faild)				
	c. Book	d. Page Number				
В.	Buffer Zone & Resource Area Impa	acts (temporary & permanent)				
1.	☐ Buffer Zone Only – Check if the project is locate					
_	Vegetated Wetland, Inland Bank, or Coastal Re					
2.	Inland Resource Areas (see 310 CMR 10.54-10 Coastal Resource Areas).	0.58; if not applicable, go to Section B.3,				
	Check all that apply below. Attach narrative and any					
	project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.					



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

Massachusetts Department of Environmental ProtectionBureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

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

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	MassDEP I	File Nur	nber	
	Document	Transac	ction Nu	mber
	Chatham City/Town	1		

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

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. 🔲 Bank	1. linear feet	2. linear feet
b. Bordering Vegetated Wetland	1. square feet	2. square feet
c. Land Under Waterbodies and	1. square feet	2. square feet
Waterways	3. cubic yards dredged	
Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. Bordering Land Subject to Flooding	1. square feet	2. square feet
	3. cubic feet of flood storage lost	4. cubic feet replaced
e. Isolated Land Subject to Flooding	1. square feet	
	2. cubic feet of flood storage lost	3. cubic feet replaced
f. Riverfront Area	Name of Waterway (if available) - special	cify coastal or inland
2. Width of Riverfront Area (check one):	
25 ft Designated De	ensely Developed Areas only	
100 ft New agricultu	ural projects only	
200 ft All other proj	ects	
3. Total area of Riverfront Are	a on the site of the proposed projec	et: square feet
4. Proposed alteration of the F	Riverfront Area:	
	L	
a. total square feet	b. square feet within 100 ft.	c. square feet between 100 ft. and 200 ft.
5. Has an alternatives analysi	s been done and is it attached to th	is NOI? Yes No
6. Was the lot where the activ	ity is proposed created prior to Aug	ust 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.



WPA Form 3 – Notice of Intent

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

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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.

Resou	irce Area	Size of Proposed Alteration	Proposed Replacement (if any)
а. 🔲	Designated Port Areas	Indicate size under Land Und	der the Ocean, below
b. 🔲	Land Under the Ocean	1. square feet	
		2. cubic yards dredged	_
с. 🗌	Barrier Beach	Indicate size under Coastal Be	eaches and/or Coastal Dunes below
d. 🔲	Coastal Beaches	1. square feet	cubic yards beach nourishment
е. 🔲	Coastal Dunes	1. square feet	cubic yards dune nourishment
		Size of Proposed Alteration	
			Proposed Replacement (if any)
f. 🛛	Coastal Banks	74 1. linear feet	_
g. 🔲	Rocky Intertidal Shores	1. square feet	
h. 🔲	Salt Marshes	1. square feet	2. sq ft restoration, rehab., creation
i. 🗌	Land Under Salt		
	Ponds	1. square feet	
·		2. cubic yards dredged	_
j. 🔲	Land Containing Shellfish	1. square feet	_
k. 🔲	Fish Runs	Indicate size under Coastal Ba	inks, inland Bank, Land Under the
		Ocean, and/or inland Land Und above	der Waterbodies and Waterways,
_		1. cubic yards dredged	<u></u>
ı. 🖂	Land Subject to Coastal Storm Flowage	1,000 1. square feet	<u>-</u>
□Re	storation/Enhancement	i. square reet	
If the p	roject is for the purpose of	restoring or enhancing a wetland	d resource area in addition to the
square amoun	footage that has been ent	ered in Section B.2.b or B.3.h ab	ove, please enter the additional
amoun	t nere.		
a. square	e feet of BVW	b. square feet of	f Salt Marsh
☐ Pro	oject Involves Stream Cros	sings	
a. numbe	er of new stream crossings	b. number of rep	placement stream crossings

4.

5.



WPA Form 3 - Notice of Intent

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

ſΟV	rided by MassDEP:
	MassDEP File Number
	Document Transaction Number
	Chatham City/Town

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).

Stı	reamliı	ned Ma	ssachı	ısetts Endangered S	pecies Act/Wetlands Protection Act Review
Ι.	the mo Natura <i>Massa</i>	ost recen al Heritag achusetts	t Estima je and f <i>Natura</i>	ated Habitat Map of Sta	
	а. 🔲 `	Yes 🛚	No	If yes, include proof	of mailing or hand delivery of NOI to:
	Mass (b. Date			Natural Heritage a Division of Fisheri 1 Rabbit Hill Road Westborough, MA	
	comple comple by con	10.18). Tete Section Sete Section Sete Section	o qualif on C.1.i on C.2.i Section	y for a streamlined, 30-c c, and include requested f, if applicable. <i>If MESA</i> 1 of this form, the NHE	setts Endangered Species Act (MESA) review (321 day, MESA/Wetlands Protection Act review, please d materials with this Notice of Intent (NOI); OR supplemental information is not included with the NOI, SP will require a separate MESA filing which may take ons in Section 2 apply, see below).
	c. Sub	mit Supp	lement	al Information for Endan	gered Species Review*
	1.	☐ Per	centage	e/acreage of property to	be altered:
		(a) With	in wetla	nd Resource Area	percentage/acreage
		(b) outs	ide Res	ource Area	percentage/acreage
	2.	☐ Ass	sessor's	Map or right-of-way pla	an of site

tree/vegetation clearing line, and clearly demarcated limits of work **

* Some projects not in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see

buffer zone)

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

Project description (including description of impacts outside of wetland resource area &

⁽b) Photographs representative of the site

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



WPA Form 3 – Notice of Intent

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

Pro	vided by MassDEP;	
	MassDEP File Number	
j j	Document Transaction Numb Chatham	er
	City/Town	

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

	Make o	MESA filing fee (fee information availal www.mass.gov/dfwele/dfw/nhesp/regulate check payable to "Commonwealth of Mas address	ory review/mesa/mesa fe	<u>ee_schedule.htm</u>). d <i>mail to NHESP</i> at
	Project	s altering 10 or more acres of land, also sub	mit:	
	(d)	Vegetation cover type map of site		
	(e)	Project plans showing Priority & Estima	ated Habitat boundaries	
	(f) OF	R Check One of the Following		
	1. 🗌	Project is exempt from MESA review. Attach applicant letter indicating which http://www.mass.gov/dfwele/dfw/nhesp the NOI must still be sent to NHESP if 1310 CMR 10.37 and 10.59.)	/regulatory_review/mesa/	mesa exemptions.htm;
	2. 🗌	Separate MESA review ongoing.	a. NHESP Tracking #	b. Date submitted to NHESP
	3. 🗌	Separate MESA review completed. Include copy of NHESP "no Take" dete Permit with approved plan.	rmination or valid Conser	vation & Management
3.	For coasta line or in a	I projects only, is any portion of the propo fish run?	osed project located belov	w the mean high water
	a. 🗌 Not a	applicable – project is in inland resource	area only b. 🗌 Yes	⊠ No
	If yes, inclu	ude proof of mailing, hand delivery, or ele	ectronic delivery of NOI to	either:
	South Shore the Cape &	e - Cohasset to Rhode Island border, and Islands:	North Shore - Hull to New	Hampshire border:
	Southeast M Attn: Environ 836 South R New Bedford	Marine Fisheries - Marine Fisheries Station nmental Reviewer Rodney French Blvd. d, MA 02744 F.EnvReview-South@state.ma.us	Division of Marine Fisheric North Shore Office Attn: Environmental Revie 30 Emerson Avenue Gloucester, MA 01930 Email: <u>DMF.EnvReviev</u>	wer

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.



Massachusetts Department of Environmental Protection Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

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

Pro	vided by MassDEP:
	MassDEP File Number
	Document Transaction Number
	Chatham
	City/Town

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

	4.	is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?
Online Users: Include your document		a. The second if yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). Note: electronic filers click on Website.
transaction		b. ACEC
number (provided on your receipt page) with all	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?
supplementary		a. 🗌 Yes 🔯 No
information you submit to the Department.	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?
		 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: 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. Substituting 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

Pro	vided by N	lassDEP:	
	MassDEI	P File Numbe) 1
	Documer	nt Transactio	n Number
12000000	Chatha City/Tow	m	

D. Ad	ditional	Information	(cont'd)
-------	----------	-------------	----------

		` '					
	3. 🔲	Identify the method for BVW and oth Field Data Form(s), Determination o and attach documentation of the	ner resource area boundary delineations (MassDEP BVW f Applicability, Order of Resource Area Delineation, etc.), methodology.				
	4. 🛛	List the titles and dates for all plans	and other materials submitted with this NOI.				
	Ex	isting Conditions Plan					
		Plan Title					
	Cla	ark Engineering LLC	David A. Clark, P.E.				
	b. F	Prepared By	c. Signed and Stamped by				
	3	15/20	1" = 20'				
	d. F	Final Revision Date	e. Scale				
	f. A	dditional Plan or Document Title	g. Date				
	5. 🔲	If there is more than one property ov listed on this form.	vner, please attach a list of these property owners not				
	6. 🗌	Attach proof of mailing for Natural He	eritage and Endangered Species Program, if needed.				
	7. 🔲	 7. Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed. 8. Attach NOI Wetland Fee Transmittal Form 					
	8. 🔲						
	9. 🔲	Attach Stormwater Report, if needed	l.				
			·				

E.	Fees						
	1. 📙		sessed 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.					
	Applica	Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland					
	Fee Tra	ansmittal Form) to confirm fee paymer	tion (in addition to pages I and 2 of the NOT Welland				
	12138	anomitta i omi to comimi ice paymer					
		ipal Check Number	03/10/20 3. Check date				
	12139	ipai Onook Hullipai					
		Check Number	03/10/20 5. Check date				
		Ingineering LLC	J. Official water				
		name on check: First Name	7. Payor name on check: Last Name				
	wy vi		ajoi namo on onces, cast tame				



WPA Form 3 – Notice of Intent

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

oν	ded by MassDEP:
	MassDEP File Number
	Document Transaction Number
	Chatham
	Citv/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	
	03/10/20	
5. Signature of Representative (if any)	6. Date	
/		

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.



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





Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

A. Applicant Information

NOI Wetland Fee Transmittal Form

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

39 Homestead La	ne	Chatham		
a. Street Address		b. City/Town		
12139		\$42.50	4	
c. Check number		d. Fee amount		
Applicant Mailing	Address:			
		Poppleton, Trustee		
a. First Name		b. Last Name		
Ann R. Poppleton	Revocable Trust			
c. Organization				
2 Seaside Lane, A	pt. 802			
d. Mailing Address				
Belleair		FL	33756	
e. City/Town		f. State	g. Zip Code	
h. Phone Number	i. Fax Number	j. Email Address		
Property Owner (if	different):			
FirefNlaura				
a. First Name		b. Last Name		

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

B. Fees

c. Organization

d. Mailing Address

h. Phone Number

e. City/Town

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

f. State

i. Email Address

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.

i. Fax Number

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 \$12.50.

g. Zip Code



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

В.	Fees (continued)		***************************************	***************************************
	Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
	Category 1 - Landscaping	1	\$110.00	\$110.00
		Step 5/To	tal Project Fee:	\$110.00
		Step 6/I	Fee Payments:	
		Total I	Project Fee:	\$110.00 a. Total Fee from Step 5
		State share	of filing Fee:	\$42.50 b. 1/2 Total Fee less \$12.50
		City/Town share	of filling Fee:	\$67.50 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.)

From:

Ann Poppleton <annpoppleton@gmail.com>

Sent:

Monday, March 9, 2020 12:42 PM

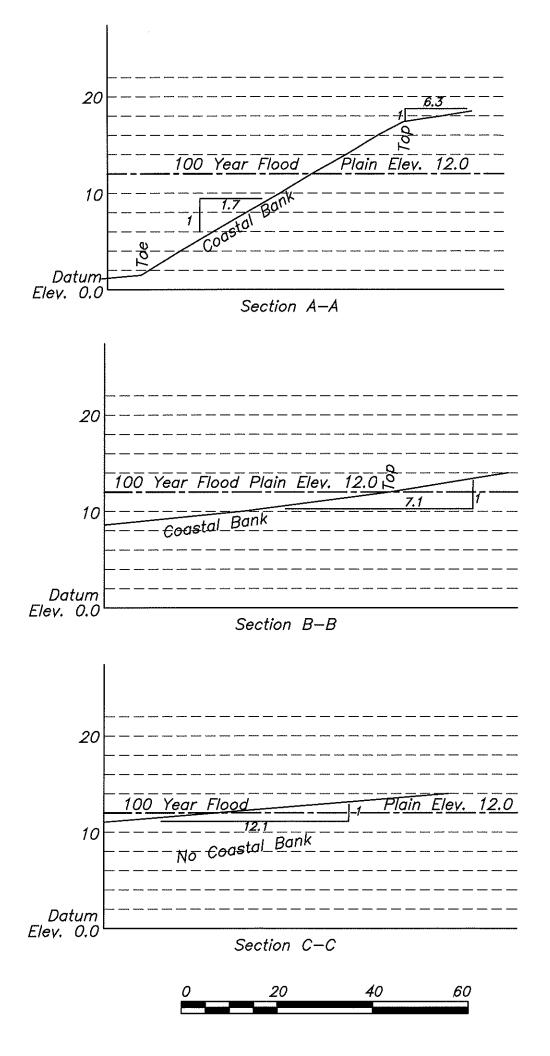
To:

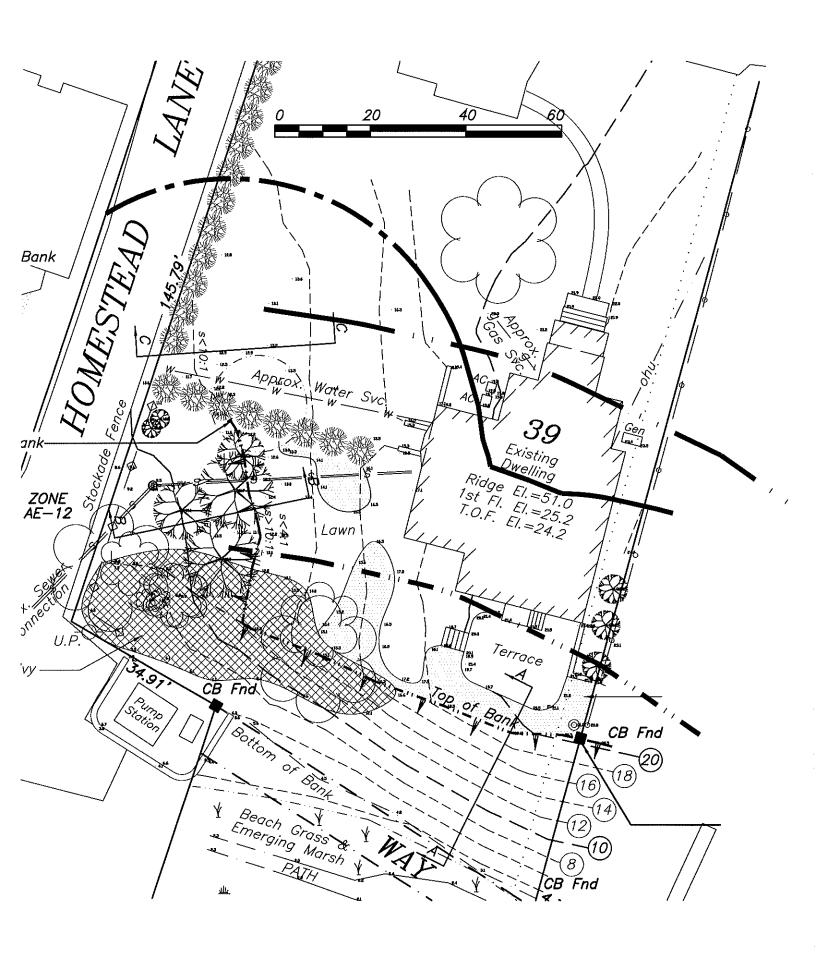
sharon@clarkeng.net

Subject:

39 Homestead Ln. Chatham

Sent from my iPhone I am filing a notice of intent for Clark engineer ring to do the work at 39 Homestead Ln. in Chatham Massachusetts I am the home owner and poppleton. Please let me know if this is sufficient. Thank you ann poppleton







TOWN OF CHATHAM Conservation Commission

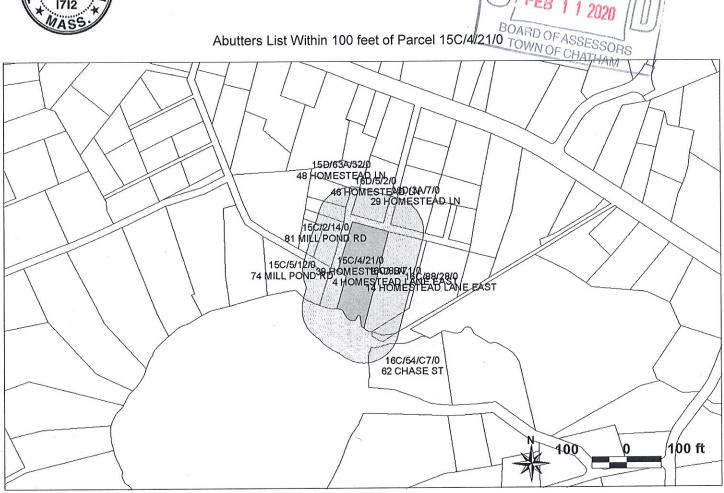
SITE ACCESS AUTHORIZATION

Date: March 10, 2020
Project: Notice of Intent
Location: 39 Homestead Lane
Property Owner: Ann Poppleton
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 03/10/20
Please Print David A. Clark, P.E.//
(If other than owner, please state whether tenant, agent or other)
Mailing Address: Clark Engineering LLC 156 Crowell Road, Suite B
Chatham, MA 02633
Phone: 508-945-5454 Email: office@clarkeng.net
Cell: Fax: _508-945-5458



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





Key	Parcel ID	Owner	Location	Mailing Street	Mailing City	ST	ZipCd/Country
2979	15C-0-85-0-E	TOWN OF CHATHAM TAX COLLECTOR	85 MILL POND RD	549 MAIN ST	CHATHAM	MA	02633
2980	15C-1-15-0-R	STAMOULIS CHRISTIANA	77 MILL POND RD	1 BELLINGHAM PL	BOSTON	MA	02114-3502
2991	15C-2-14-0-R	POTVIN ROBERT J	81 MILL POND RD	9 DUNSTABLE RD	CAMBRIDGE	MA	02138-3341
2999	15C-3-16-0-R	CHU DAVID SC & TOSI LAURA	52 HOMESTEAD LN	3729 HARRISON ST NW	WASHINGTON	DC	20015-1815
3000	15C-4-21-0-R	ANN R POPPLETON REVOCABLE TRUS AG POPPLETON ANNE R TRUSTEE	39 HOMESTEAD LN	2 SEASIDE LN APT 802	BELLEAIR	FL	33756-1988
3001	15C-5-12-0-R	TREIBER CHRISTIAN & OBRIEN ERIN M	74 MILL POND RD	3475 ROXBORO RD NE #7	ATLANTA	GA	30326
3095	15D-63-31-0-R	SCHOENFELD MICHAEL L & MICHELLE	50 HOMESTEAD LN	4400 HAMPSHIRE HILL	WATERFORD	WI	53185
3096	15D-63A-32-0-R	BEAUDRY HOWARD P JR	48 HOMESTEAD LN	48 HOMESTEAD LN	CHATHAM	MA	02633
3755	16C-54-C7-0-R	GEORGE & MARY OLMSTED TRUSTS OLMSTED GEORGE & WATT MARY TRSTE	62 CHASE ST	62 CHASE ST	CHATHAM	MA	02633
3799	16C-88-28-0-R	MARJORIE GRISWOLD IRREVOCABLE TRU GRISWOLD HAYDEN L JR TRUSTEE	14 HOMESTEAD LANE EAST	c/o MacLean & Ema 2600 NE 14TH ST CAUSEWAY	POMPANO BEACH	FL	33062
3800	16C-89-71-0-R	BIRKHAEUSER KEITH A & LINDA J	4 HOMESTEAD LANE EAST	23 HOOVER RD	HINGHAM	MA	02043-3467
7879	16C-88A-G2-0-R	MARJORIE GRISWOLD IRREVOCABLE TRU GRISWOLD HAYDEN L JR TRUSTEE	0 MULFORD HOWES LN	c/o MacLean & Ema 2600 NE 14TH ST CAUSEWAY	POMPANO BEACH	FL	33062
3858	16D-5-2-0-R	NICHOLSON JOSEPH M & MARIA T	46 HOMESTEAD LN	20 SUSSEX RD	WINCHESTER	MA	01890-3867
3843	16D-3A-7-0-R	LOWRY JAMES R & SUZANNE L	29 HOMESTEAD LN	21 RUMFORD RD	LEXINGTON	MA	02420-2208

AFFIDAVIT OF SERVICE

Under the Massachusetts Wetlands Protection Act

I, <u>David A. Clark</u>, hereby certify under the pains and penalties of perjury that on <u>March 10, 2020</u> I gave notification to abutters in compliance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40, and the **DEP Guide of Abutter Notification** dated April 8, 1994, in connection with the following matter:

A <u>Notice of Intent</u> filed under the Massachusetts Wetlands Protection Act by <u>Ann Poppleton</u> with the Chatham Conservation Commission on <u>March 10, 2020</u> for property located at <u>39 Homestead Lane</u> Chatham, Massachusetts.

The form of the notification and a list of the abutters to whom it was given and their addresses are attached to this Affidavit of Service.

David A. Clar

CLARK ENGINEERING LLC

156 Crowell Road, Suite B Chatham, MA 02633 David A. Clark, P.E. Wendy M. Jones

Phone: (508) 945-5454 Fax: (508) 945-5458

March 10, 2020

To: Abutters (see enclosed list)

Re: Notice of Intent

Property located at 39 Homestead Lane

Dear Abutters:

A public hearing of the Chatham Conservation Commission will be held in the Chatham Selectmen's meeting room The Chatham Town Offices/261 George Ryder Road on March 25, 2020 commencing at 9:00 a.m. on the application of Ann Poppleton regarding 39 Homestead Lane. The applicant proposes to remove non-native vegetation and replant with native vegetation on a Coastal Bank.

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 by sending a letter to the Commission. Please be advised that a 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.

Sincerely,

Clark Engineering LLC

David A. Clark, P.E.

TOWN OF CHATHAM TAX COLLECTOR 549 MAIN ST CHATHAM, MA 02633

STAMOULIS CHRISTIANA 1 BELLINGHAM PL BOSTON, MA 02114-3502 POTVIN ROBERT J 9 DUNSTABLE RD CAMBRIDGE, MA 02138-3341

15C-3-16-0-R

15C-4-21-0-R

15C-5-12-0-R

CHU DAVID SC & TOSI LAURA 3729 HARRISON ST NW WASHINGTON, DC 20015-1815 ANN R POPPLETON REVOCABLE TRUS AGI POPPLETON ANNE R TRUSTEE 2 SEASIDE LN APT 802 BELLEAIR, FL 33756-1988

TREIBER CHRISTIAN & OBRIEN ERIN M 3475 ROXBORO RD NE #7 ATLANTA, GA 30326

15D-63-31-0-R

15D-63A-32-0-R

16C-54-C7-0-R

SCHOENFELD MICHAEL L & MICHELLE 4400 HAMPSHIRE HILL WATERFORD, WI 53185 BEAUDRY HOWARD P JR 48 HOMESTEAD LN CHATHAM, MA 02633 GEORGE & MARY OLMSTED TRUSTS
OLMSTED GEORGE & WATT MARY TRSTES
62 CHASE ST
CHATHAM, MA 02633

16C-88-28-0-R
MARJORIE GRISWOLD IRREVOCABLE TRU:
GRISWOLD HAYDEN L JR TRUSTEE
c/o MacLean & Ema
2600 NE 14TH ST CAUSEWAY
POMPANO BEACH, FL 33062

16C-89-71-0-R

16C-88A-G2-0-R MARJORIE GRISWOLD IRREVOCABLE TRU: GRISWOLD HAYDEN L JR TRUSTEE

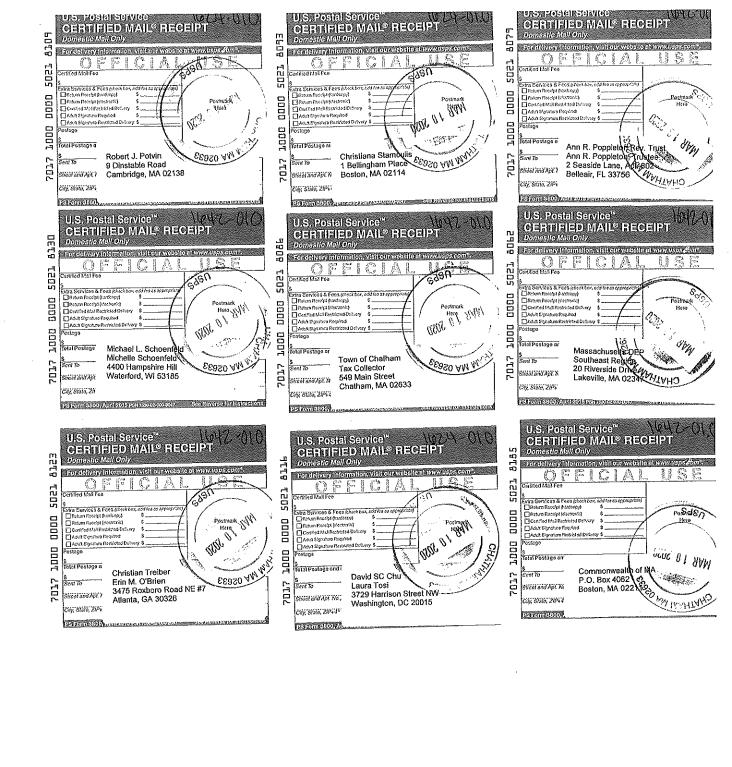
BIRKHAEUSER KEITH A & LINDA J 23 HOOVER RD HINGHAM, MA 02043-3467 c/o MacLean & Ema 2600 NE 14TH ST CAUSEWAY POMPANO BEACH, FL 33062

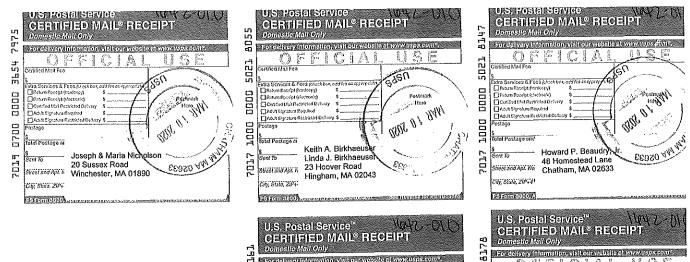
16D-5-2-0-R

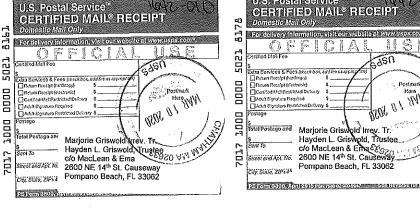
16D-3A-7-0-R

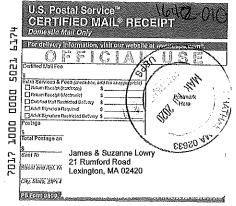
NICHOLSON JOSEPH M & MARIA T 20 SUSSEX RD WINCHESTER, MA 01890-3867 LOWRY JAMES R & SUZANNE L 21 RUMFORD RD LEXINGTON, MA 02420-2208

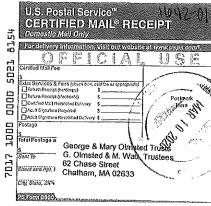




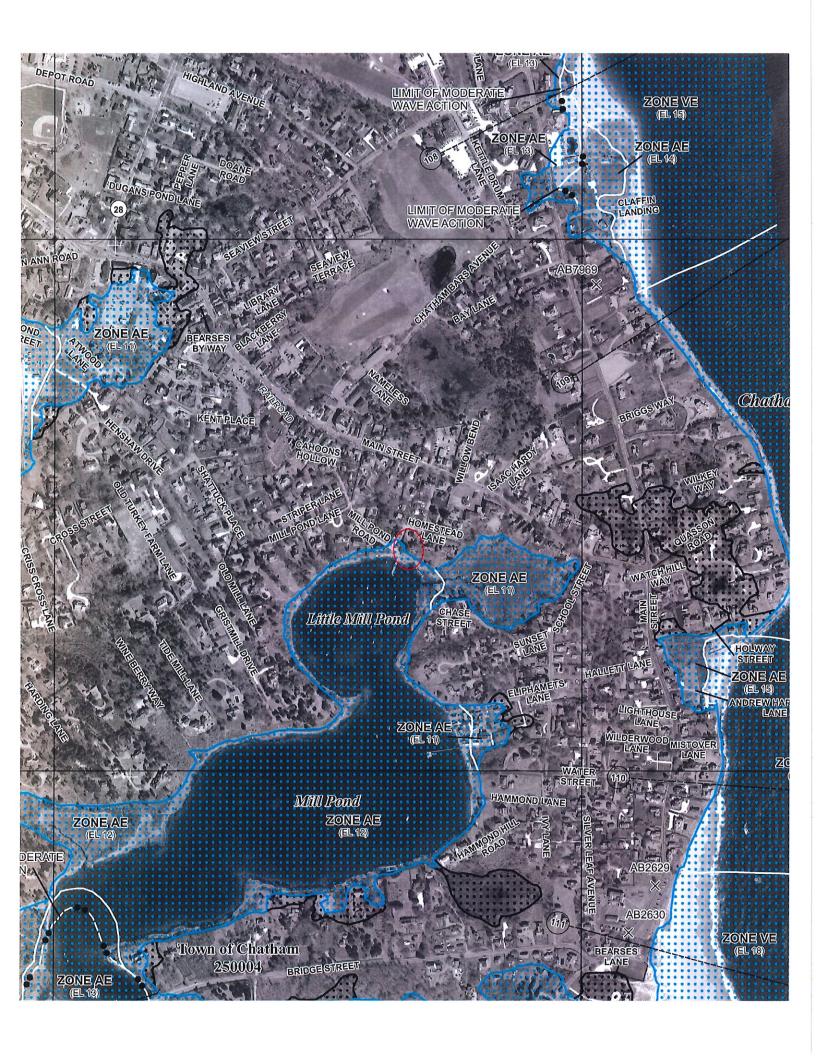


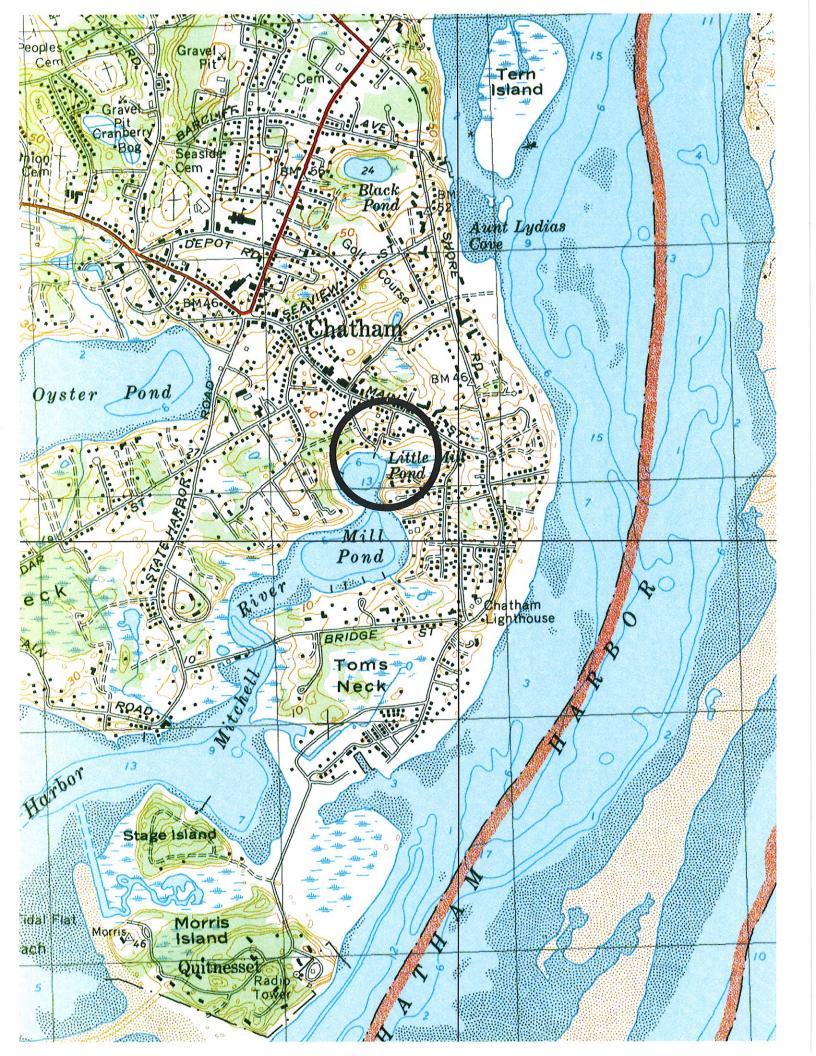






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508-430-0267

www.capeorganics.com

lindsay@capeorganics.com

A division of Strode's Property Maintenance Services, Inc.

To:

Town of Chatham Conservation Commission

261 George Ryder Road

Chatham, MA 02633

Phone:

508-945-5164

For:

Jay and Ann Poppleton

2 Seaside Ln # 802

Belleair, FL. 33756

Project Location:

39 Homestead Ln

Chatham, MA

Reference:

poppletonccnarrative21620rev3920

Existing Site Conditions

The property at the address referenced above, contains a dwelling, with an actively managed dependent landscape. The site is stable and presently functions as intended. The property at this location also contains an east facing coastal bank overlooking Mill Pond. The face along with portions of the top of the coastal bank is largely overgrown with exotic invasive, escaped managed landscape and nuisance vegetation. The majority of the invasive vegetation lies in the center and northerly areas of the coastal bank. A vigorous stand of daylily exists predominantly, in the southwestern portion of the bank along with an established stand of English ivy. This daylily also grows under the invasive vegetation, albeit with much less vigor. Typical of these areas, the predominant invasive vegetation consists of shrub and vining honeysuckle, autumn olive, Asiatic bittersweet, and escaped managed landscape plants, including privet, barberry, blackberry and porcelain berry. This aggressive vegetation regularly invades portions of the managed landscape landward along portions of the top of the coastal bank. Historic management of encroaching invasive vegetation has been solely, to cut it back as it enters areas of the active landscape.

Coastal Bank Exotic Invasive Vegetation Removal

It would be our intention to initially over seed the bank prior to any work so as to utilize foot traffic and any site disturbance during vegetation removal, to work a site appropriate warm season coastal grass forb and nurse seed mix into the soil. Once seeding has been undertaken initial efforts to remove the invasive and nuisance vegetation would be initiated. Depending on time of year, we would employ one of several means of invasive vegetation management efforts. It would be our intent to either,

during dormant or active growth apply a control herbicide as a basal bark application directly to plant stems and trunks with subsequent cut and removal of all unwanted vegetation. Alternatively, cut the targeted vegetation and wait until new growth emerges then treat foliage to translocated control material to the rooting structures. Later in the season would warrant a cut and wiping of the fresh wounds' method with an appropriate control herbicide material to effectively discourage the reestablishment of the invasive vegetation. All vegetation would be removed from site and disposed of appropriately. Efforts would be made to identify and limit impacts to native vegetation currently established within the sward of invasive and nuisance vegetation. During a site visit it was observed that under the invasive raft of vegetation, there was an extension of the existing tiger lily that occupies the southwestern area of the slope, thin, but existing as a ground cover. It would be our intention to leave that material there to take advantage of the soil stabilization the lily provides, while adding vegetation to further stabilize and enhance the slope of the coastal bank. To that end the following vegetation is proposed for your consideration on the coastal bank.

520 plug Salt Marsh grass

4000 Br American Beachgrass (12-18" on center)

12 1-3 gal Eastern Bayberry

9 1-3 gal Beachplum

9 1-2 gal Arrowood Viburnum 12 2 gal Groundsel bush

Coastal bank salt tolerant seed mix with nurse crop of grain rye

All container plant material at installation would receive an all-natural rooting stimulant, compost, and water retention polymer. Any disturbed areas immediately surrounding the installed vegetation would be covered with a single application of native recycled arborist softwood mulch to limit erosion, retain moisture, limit weed establishment and moderate soil temperatures.

During the establishment timeline of the installed vegetation (2-3 growing seasons) a temporary above ground irrigation system would be utilized, controlled by a battery-operated timer.

Seasonal Monitoring Management and Maintenance

During the active growing season site visits would be performed twice a month, while off season visits would be made after significant weather events to monitor project progress. Adjustments would be undertaken to assist in project establishment.

Due to adjacent invasive plant populations, of which we have no control over, it must be understood that there will be efforts required to limit reestablishment of unwanted vegetation particularly along those edges during future growing seasons. Typical of invasive plant management, 3-5 years is required to manage exotic invasive plant material, and establish a native cover to a point where native plants largely out compete aggressive unwanted vegetation. To that end we would look to manage annually any reestablishing invasive plant material as follows during the 3 year project timeline.

Spring (Mid-May)

Assess installed plantings and hand pull any reestablishing exotic vegetation where appropriate Early Summer (Late June)

Assess establishing installed vegetation, replace where necessary, prune, and fertilize as appropriate. Hand remove or treat reestablishing invasive vegetation where required.

<u>Early Fall (October)</u>

Assess establishing installed vegetation. Treat where needed to take advantage of plant phenology in translocation of any applied control materials.

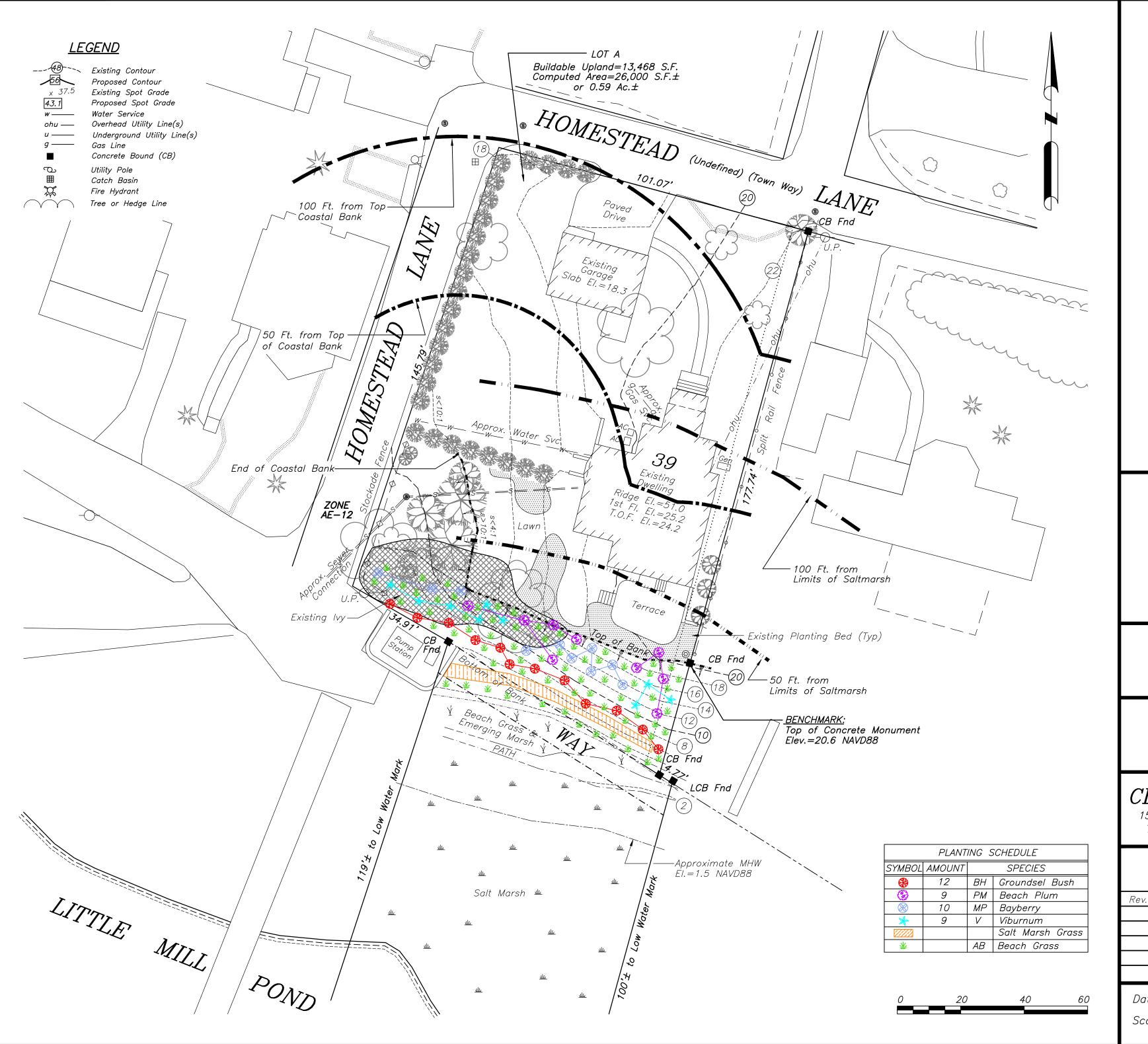
It would be expected that as regular maintenance occurs to manage restoration area vegetation over the 3-year timeline of the NOI, that over time, efforts would diminish to a stable platform where only limited efforts would be needed to manage outside invasive vegetative influences. Annual assessments of the previous season's practices would largely determine the level on ongoing inputs.

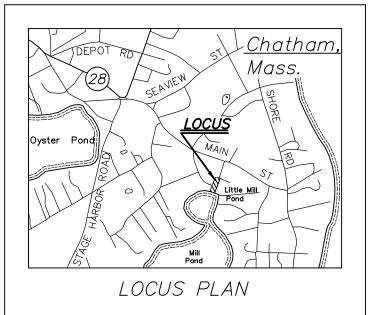
Reporting

Pre-construction photographs would be submitted to establish benchmark information. Annual narrative reports would be submitted for the duration of the NOI with corresponding photographs documenting restoration progress. Reports would be intended for submission on or around November 1st.

Clark Engineering LLC Conservation Flagging/Staking Color Codes

Edge of Resource AreaStake & Pink Flagging
50 ft. and 100 ft. delineations from Edge of Resource AreaStake & Pink Flagging
Limit of WorkStake & Yellow Flagging
Proposed Project (i.e., Building Corners, retaining walls, etc.)Stake & Orange Flagging
Property BoundariesStake & Pink Flagging including Printed Words "Property Line"
Entrance to PropertyStake & White Flagging w/Red Polka Dots
Trees to be RemovedBlue Flagging
Mitigation AreaStake & Green Flagging





ZONING REQUIREMENTS

Zone	R-20
Front Yard Setback	25 Ft.
Side and Rear Yard Setbacks	15 Ft.
Maximum Lot Coverage	N/A
Maximum Building Coverage	15 %

Assessors' Map 15C, Parcel 21

OWNER OF RECORD:

Ann R. Poppleton Revocable Trust Agreement Ann R. Poppleton, Trustee Certificate 216307 Land Court Plan 17459—B, Lot A

ANN R. POPPLETON REVOCABLE TRUST

CAPE ORGANICS

P.O. Box 684, West Harwich, MA 02671 Tel.: (508) 726-3360

CLARK ENGINEERING LLC

156 Crowell Road Suite B, Chatham, MA. 02633 Tel.: (508) 945-5454; Fax.: (508) 945-5458

RESTORATION PLAN

39 Homestead Lane, Chatham, MA

Rev. #	Description of Revision	Date

Date: 03-05-2020Scale: 1" = 20' Drawing No.: 1642010B Sheet No.: