NOTICE OF INTENT

Prepared for Joanna Hills LLC Joanna Hills Estates

Joanna Road Avon, Massachusetts 02322

October 27, 2020

MBL Land Development & Permitting Corp.
770 Broadway Suite 6
Raynham, MA 02767
Phone 508.297.2746
Fax 508.297.2756

Email: info@MBLLandDevelopment.com Website: www.MBLLandDevelopment.com

TABLE OF CONTENTS

SEC	SECTION PAGE	
_	OTICE OF INTENT WPA FORM 3 DI WETLAND FEE TRANSMITTAL FORM	
1.	INTRODUCTION	1-1
2.	EXISTING CONDITIONS	2-1
	Site Description 2.2 Bordering Vegetated Wetlands	2-1 2-1
3.	PROPOSED CONDITIONS	3-1
	3.1 PROPOSED SITE CONDITIONS	3-1
4.	CONCLUSION	4-1
	LIST OF FIGURES	
Fig	ure 1: Aerial Map	
Fig	ure 2: USGS Topographic Map	
Fig	ure 3: Flood Insurance Rate Map	
Fig	ure 4: Natural Heritage Map	
Fig	ure 5: Critical Areas	
Fig	ure 6: Soils Map	
	APPENDICES	

APPENDIX A: ORAD & ANRAD PLAN

APPENDIX B: AFFIDAVIT OF SERVICE, NOTIFICATION TO ABUTTERS & CERTIFIED ABUTTERS LIST

APPENDIX C: COPIES OF CHECKS + CERTIFIED MAILINGS

APPENDIX D: FEMA LETTER OF MAP AMENDMENT DETERMINATION

APPENDIX E: STORMWATER OPERATION & MAINTENENCE PLAN



WPA Form 3 - Notice of Intent

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

1	Provided by MassDEP:
	MassDEP File Number
	Document Transaction Number
	Avon

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.

A. General Information

0 Joanna Road		Avon	02322	
a. Street Address		b. City/Town	c. Zip Code	
Latitude and Longit	ude.	42°08'09"N		
_	ado.	d. Latitude	e. Longitude	
Map C7, Block 3 f. Assessors Map/Plat N	lumbor	Lot 15 g. Parcel /Lot	Number	
i. Assessors Map/Flat N	lumbei	g. Paicei/Lot	Number	
Applicant:				
Muhammad		Itani		
a. First Name		b. Last Na	ıme	
Joanna Hills LLC				
c. Organization				
32 Norfolk Avenue d. Street Address				
		NAA	02275	
South Easton e. City/Town		MA f. State	<u>02375</u> g. Zip Code	
508-230-2300			oridgehomesinc.com	
h. Phone Number	i. Fax Number	j. Email Address	magenemesine.com	
Dranarty awar (ra	quired if different from	annlicant). \Box Ch	and if more than one owner	
Property owner (red	quired if different from	applicant). \square Cr	neck if more than one owner	
Wisam		Omran		
a. First Name		b. Last Na	ıme	
SNA Realty Trust				
c. Organization	ad			
24 Forest Edge Ro	au			
South Easton		MA	02375	
e. City/Town		f. State	g. Zip Code	
-				
h. Phone Number	i. Fax Number	j. Email address		
Representative (if a	anv):			
Brian	··· ·	Dunn		
a. First Name		b. Last Na	ime	
MBL Land Development & Permitting Corp.				
c. Company	mont a rommany cor	Υ.		
770 Broadway, Suite No. 6				
d. Street Address				
Raynham		MA	02767	
e. City/Town		f. State	g. Zip Code	
508-297-2746	508-297-2756		ldevelopment.com	
h. Phone Number	i. Fax Number	j. Email address		
Total WPA Fee Pai	d (from NOI Wetland F	ee Transmittal Form):		
		•		
\$13,350 a. Total Fee Paid		662.50 tate Fee Paid	\$6,687.50 c. City/Town Fee Paid	



WPA Form 3 – Notice of Intent

A. General Information (continued)

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

Provided by MassDEP:
Flovided by MassDLF.
MassDEP File Number
Document Transaction Number
Avon
AVOIT
City/Town

Se	ee attached report		
7a. Pr	roject Type Checklist: (Limited Project Types see	Sec	tion 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		
	I I VAC IXI NA	.24 d pr	
	Limited Project Type the proposed activity is eligible to be treated as an	_	al ataul Day to attend the LD atau 1/040

Project Checklist and Signed Certification.

8. Property recorded at the Registry of Deeds for:

CMR10.24(8), 310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited

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.



WPA Form 3 – Notice of Intent

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

rovi	ided by MassDEP:
-	MassDEP File Number
	Document Transaction Number
	Avon
	City/Town

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

	Reso	ource 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	
	Reso	ource 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	1. Name of Waterway (if available) - spec	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 proje	ects	
	;	3. Total area of Riverfront Area	a on the site of the proposed projec	square feet
		4. Proposed alteration of the F	Riverfront Area:	oquaro root
	=	a. total square feet	b. square feet within 100 ft.	c. square feet between 100 ft. and 200 ft.
	;	5. Has an alternatives analysis	s been done and is it attached to th	is NOI? Yes No
	(6. Was the lot where the activi	ity is proposed created prior to Aug	ust 1, 1996?
3.		Coastal Resource Areas: (See	310 CMR 10.25-10.35)	

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

wpaform3.doc • rev. 2/8/2018 Page 3 of 9

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

'ro\	vided by MassDEP:
	MassDEP File Number
	Document Transaction Number
	Avon City/Town

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.

4.

5.

Resou	rce Area	Size of Proposed Alteration	Proposed Replacement (if any)
а. 🗌	Designated Port Areas	Indicate size under Land Unde	er the Ocean, below
b. 🗌	Land Under the Ocean	square feet cubic yards dredged	
с. 🗌	Barrier Beach		aches and/or Coastal Dunes below
d. 🗌	Coastal Beaches	1. square feet	2. cubic yards beach nourishment
е. 🗌	Coastal Dunes	1. square feet	2. cubic yards dune nourishment
		Size of Proposed Alteration	Proposed Replacement (if any)
f g	Coastal Banks Rocky Intertidal Shores	linear feet square feet	
h.	Salt Marshes Land Under Salt Ponds	square feet square feet	2. sq ft restoration, rehab., creation
j. 🔲	Land Containing Shellfish	cubic yards dredged square feet	
k. 🗌	Fish Runs		nks, inland Bank, Land Under the er Waterbodies and Waterways,
If the p		cubic yards dredged square feet f restoring or enhancing a wetland tered in Section B.2.b or B.3.h about	
	re feet of BVW	b. square feet of	Salt Marsh
	oject Involves Stream Cros	·	
a. numb	per of new stream crossings	b. number of repl	acement stream crossings



WPA Form 3 - Notice of Intent

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

C. Other Applicable Standards and Requirements

Prov	ided by MassDEP:
	MassDEP File Number
	Document Transaction Number
	Avon City/Town
	Oity/ 10WII

The second secon
This is a proposal for an Ecological Restoration Limited Project. Skip Section C and
complete Appendix A: Ecological Restoration Limited Project Checklists – Required Actions

_	complete Appendix A: Ecological Restoration Limited Project Checklists – Required Actions (310 CMR 10.11).					
Str	reamlined 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 <i>Massachusetts Natural Heritage Atlas</i> 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:					
	August, 2017 b. Date of map Natural Heritage and Endangered Species Program Division of Fisheries and Wildlife 1 Rabbit Hill Road Westborough, MA 01581					
If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) reviews CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review complete Section C.1.c, and include requested materials with this Notice of Intent (NOI); complete Section C.2.f, if applicable. If MESA supplemental information is not included what by completing Section 1 of this form, the NHESP will require a separate MESA filing which up to 90 days to review (unless noted exceptions in Section 2 apply, see below).						
	c. Submit Supplemental Information for Endangered Species Review*					
	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					

wpaform3.doc • rev. 2/8/2018 Page 5 of 9

^{*} 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.



3.

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

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

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

Make	(c) MESA filing fee (fee information available at http://www.mass.gov/dfwele/dfw/nhesp/regulatory review/mesa/mesa fee schedule.htm). Make check payable to "Commonwealth of Massachusetts - NHESP" and <i>mail to NHESP</i> at above address					
Project	ts altering 10 or more acres of land, also sub	omit:				
(d)	Vegetation cover type map of site					
(e)	Project plans showing Priority & Estima	ated Habitat boundaries				
(f) O	R Check One of the Following					
Project is exempt from MESA review. Attach applicant letter indicating which MESA exemption applies. (See 321 CMF http://www.mass.gov/dfwele/dfw/nhesp/regulatory_review/mesa/mesa_exemption the NOI must still be sent to NHESP if the project is within estimated habitat pur 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" dete Permit with approved plan.	ermination or valid Conse	rvation & Management			
	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, incl	If yes, include proof of mailing, hand delivery, or electronic delivery of NOI to either:					
	South Shore - Cohasset to Rhode Island border, and North Shore - Hull to New Hampshire border: the Cape & Islands:					
Southeast I Attn: Enviro 836 South New Bedfo	Division of Marine Fisheries - Southeast Marine Fisheries Station Attn: Environmental Reviewer 836 South Rodney French Blvd. New Bedford, MA 02744 Email: DMF.EnvReview-South@state.ma.us 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.

wpaform3.doc • rev. 2/8/2018 Page 6 of 9



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

Prov	Provided by MassDEP:				
	MassDEP File Number				
	Document Transaction Number				
	Avon				
	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. 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.
transaction number		b. ACEC
(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 information you		a. 🗌 Yes 🗵 No
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?
		 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. Substituting 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.)

wpaform3.doc • rev. 2/8/2018 Page 7 of 9

to the boundaries of each affected resource area.

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

2.



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			
	Avon			
	City/Town			

D.

D. A	D. Additional Information (cont'd)						
3.	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.	\boxtimes	List the titles and dates for all plans and oth	er materials submitted with	n this NOI.			
	Site	e Plans					
		an Title					
	MB	L Land Development & Permitting Corp.	Tracy Duarte, P.E.				
		repared By	c. Signed and Stamped by				
	10/	27/2020	1"=40'				
	d. Fi	nal Revision Date	e. Scale				
	f. Ac	lditional Plan or Document Title		g. Date			
5.		If there is more than one property owner, pl listed on this form.	ease attach a list of these	property owners not			
6.		Attach proof of mailing for Natural Heritage	and Endangered Species	Program, if needed.			
7.		Attach proof of mailing for Massachusetts D	Division of Marine Fisheries	s, if needed.			
8.	\boxtimes	Attach NOI Wetland Fee Transmittal Form					
9.	\boxtimes	Attach Stormwater Report, if needed.					
E. F	ees						
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 housin authority, or the Massachusetts Bay Transportation Authority. 						
additing, of the maccachacotte bay Transportation Additionty.							
	Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:						
10	23		10/14/2020				
		oal Check Number	3. Check date				
	22		10/14/2020				
4. 3	State C	Check Number	5. Check date				
			Joanna Hills LLC				
6. l	Payor I	name on check: First Name	7. Payor name on check: I	₋ast Name			

wpaform3.doc • rev. 2/8/2018 Page 8 of 9



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

Avon

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

3. Signature of Property Owner (if different)

10 14 202C 2. Date

10/14/2020

1. Date

6. 0

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





A. Applicant	Information		
Location of Proj	ect:		
0 Joanna Road		Avon	
a. Street Address		b. City/Town	
1022, 1023		\$6,662.50, \$6,687.50	
c. Check number		d. Fee amount	
2. Applicant Mailin	g Address:		
Muhammad		Itani	
a. First Name		b. Last Name	
Joanna Hills LL	C		
c. Organization			
32 Norfolk Aver	ue		
d. Mailing Address			
South Easton		MA	02375
e. City/Town		f. State	g. Zip Code
508-230-2300		mitani@stonebridgehome	esinc.com
h. Phone Number	i. Fax Number	j. Email Address	
3. Property Owner	(if different):		
Wisam		Omran	
a. First Name		b. Last Name	
SNA Realty Tru	st		
c. Organization			
24 Forest Edge	Road		
d. Mailing Address			
South Easton		MA	02375
e. City/Town		f. State	g. Zip Code
h. Phone Number	i. Fax Number	j. Email Address	

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

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.



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
2 a. Const. of Single Family House	6	\$500	\$3,000
2 b. Parking Lot	1	\$500	\$500
2 g. Storm Discharge	5	\$500	\$2,500
3 b. Building for development	5	\$1,050	\$5,250
3 c. Road construction	2	\$2,100	\$2,100
	Step 5/Te	otal Project Fee:	\$13,350
	Step 6/	Fee Payments:	
	Total	Project Fee:	\$13,350 a. Total Fee from Step 5
	State share	of filing Fee:	\$6,662.50 b. 1/2 Total Fee less \$ 12.50
	City/Town share	e of filling Fee:	\$6,687.50

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.

City/Town share of filling Fee:

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.)

c. 1/2 Total Fee plus \$12.50

1. INTRODUCTION

MBL Land Development and Permitting Corporation (MBL) has prepared this Notice of Intent submission for the proposed development of the project site located at Joanna Road, Avon, Massachusetts. This Notice of Intent is being filed pursuant to the Massachusetts Wetlands Protection Act MGL C131 §40. The project consists of a Chapter 40B development containing a total of 76 proposed units with associated site access, parking, grading, drainage and utilities including on-site subsurface disposal systems. These units are comprised of 9 single family dwellings, 11 duplexes, one 7-unit condominium building, one 10-unit condominium building and two 14-unit condominium buildings.

2. EXISTING CONDITIONS

2.1 SITE DESCRIPTION

The project is located at the end of Joanna Road in Avon, Massachusetts. The site is referenced as Lot 15 on Assessors Map C-7 Block 3 containing a total of 29.37 acres. The existing site consists of a vacant wooded lot consisting of a total upland area of 19.86 acres with 9.51 acres of wetlands.

A portion of the northernmost part of the site lies within a FEMA Flood Zone A, areas of 1% chance flooding with Base Flood Elevations not determined as shown on FIRM Map No. 25021C0218E, having an effective date of July 17, 2012. This portion of the site was removed from the Flood Zone after filing for a Letter of Map Amendment Determination with FEMA. The 1% annual chance flood elevation was determined by FEMA to be elevation 213.0 NAVD 88. A copy of the FEMA Letter of Map Amendment Determination is located in Appendix D of this report.

The site is not located within an Estimated Habitat of Rare Wildlife or Priority Habitat of Rare Species or near a Certified Vernal Pool according to the Massachusetts Natural Heritage Atlas, 14th Edition effective August 2017. The site is also not located within an ACEC, Outstanding Resource Water or any other Critical Area. Please refer to Figures 1-6.

2.2 BORDERING VEGETATED WETLANDS

The boundary of the Bordering Vegetated Wetlands (BVW), Isolated Vegetated Wetland (IVW) and Isolated Land Subject to Flooding (ILSF) located on-site was delineated by LSC Environmental Consulting. An Abbreviated Notice of Resource Area Delineation showing the resource areas was submitted to the Avon Conservation Commission and approved through an Order of Resource Area Delineation (ORAD) issued by the Commission on June 8, 2017. The ORAD was extended on April 1, 2020. A copy of the ORAD and approved ANRAD plan can be found in Appendix A of this report.

3. PROPOSED CONDITIONS

3.1 PROPOSED SITE CONDITIONS

The proposed project is a Chapter 40B development containing a total of 76 proposed units with associated site access, parking, grading, drainage and utilities including on-site subsurface disposal systems. These units are comprised of 9 single family dwellings, 11 duplexes, one 7unit condominium building, one 10-unit condominium building and two 14-unit condominium buildings. To mitigate the quantity and quality of stormwater runoff discharging from the site, a stormwater management system has been designed to collect, treat and control flows leaving the site. The proposed stormwater management system consists of a series of deep sump hooded catch basins, pipes and manholes, which will collect and convey stormwater runoff to proposed water quality units and vegetated infiltration basins. The proposed infiltration basins have been designed to store the required recharge volume and have riprap overflow spillways with one foot of freeboard. Also, where feasible, roof recharge systems were added to recharge roof runoff on-site. These systems consist of Cultec 330XLHD chambers designed to recharge the entire 100-year storm. The stormwater management system has been designed to reduce peak flow rates from the existing to proposed conditions for all storm events. From an environmentally sensitive perspective, the aforementioned measures result in a design that promotes on-site groundwater recharge while preserving the natural hydrologic conditions.

3.2 PROJECT IMPACTS

Portions of the proposed project are located within the 100-foot wetland buffer zone, including 6 single-family houses, 5 buildings, 5 drainage basins, and roadway construction. All septic systems are located at least 50-feet from the edge of BVW and all buildings are located at least 25-feet from the edge of BVW. No work is proposed within the BVW or ILSF, and therefore no replication is proposed for the project. The 1,411 S.F. Isolated Vegetated Wetland (IVW) will be completely filled, but since IVW is not subject to the State Wetlands Protection Act no replication for this filling is required.

During construction, approximately 9,550 cubic yards of material will be cut from the site, taking into account an extra foot of top-soil, and approximately 91,806 cubic yards of material will be filled to the site. This yields a net fill volume of 82,256 cubic yards of material.

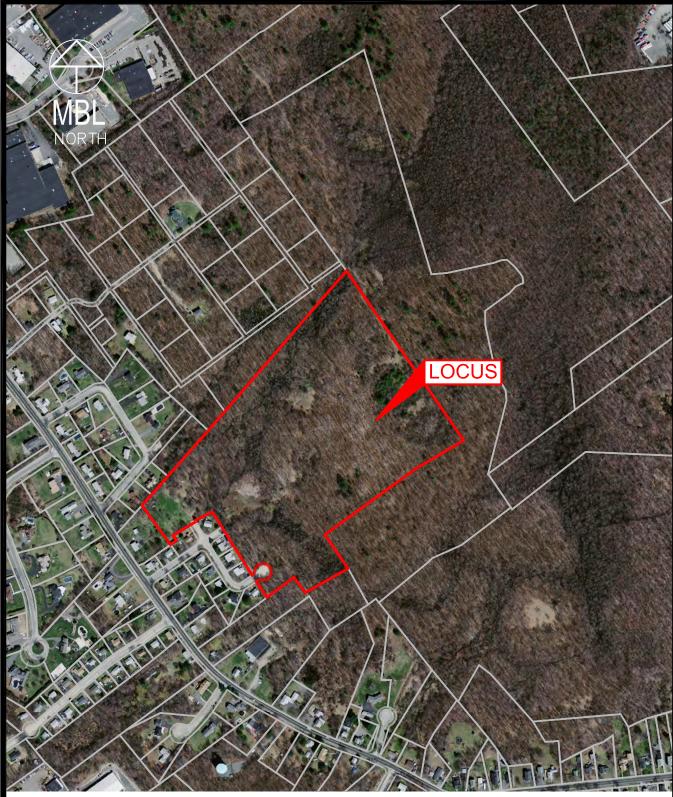
3.3 EROSION AND SEDIMENT CONTROLS

To limit potential impacts to the resource areas, erosion and sedimentation control Best Management Practices (BMPs) consisting of a silt fence & straw wattle erosion control barrier will be installed between the edge of work and the resource areas for each phase of the construction project. The erosion control barrier shall be inspected and maintained throughout construction and not removed until construction is complete and all disturbed areas have been stabilized. In addition, silt sack inlet protection shall be utilized on all proposed catch basins. A stabilized construction exit shall be installed for each phase of the project to stop any sediment from being tracked into the roadway.

4. CONCLUSION

The proposed project is a Chapter 40B development located at the end of Joanna Road in Avon, Massachusetts, containing a total of 76 proposed units with associated site access, parking, grading, drainage and utilities including on-site subsurface disposal systems. Portions of the proposed work will be located within the 100-foot Buffer Zone to BVW. MBL respectfully requests that the Town of Avon Conservation Commission issue an Order of Conditions for the project, allowing the work to proceed as proposed.

Figure 1: Aerial Map



NOTE: INFORMATION ON THIS PLAN OBTAINED FROM MASSGIS USGS COLOR ORTHO IMAGERY 2008/2009.

MBL

LAND DEVELOPMENT & PERMITTING, CORP.
LAND DEVELOPMENT, TRANSPORTATION AND ENVIRONMENTAL SOLUTIONS
770 BROADWAY, SUITE No. 6
RAYNHAM, MA 02767
P.508.297.2746 F.508.297.2756
EMAIL.info@MBLLandDevelopment.com
WEB: www.MBLLand Development.com

AERIAL MAP

JOANNA HILLS ESTATES ASSESSORS MAP C7-3 & PLOT 15

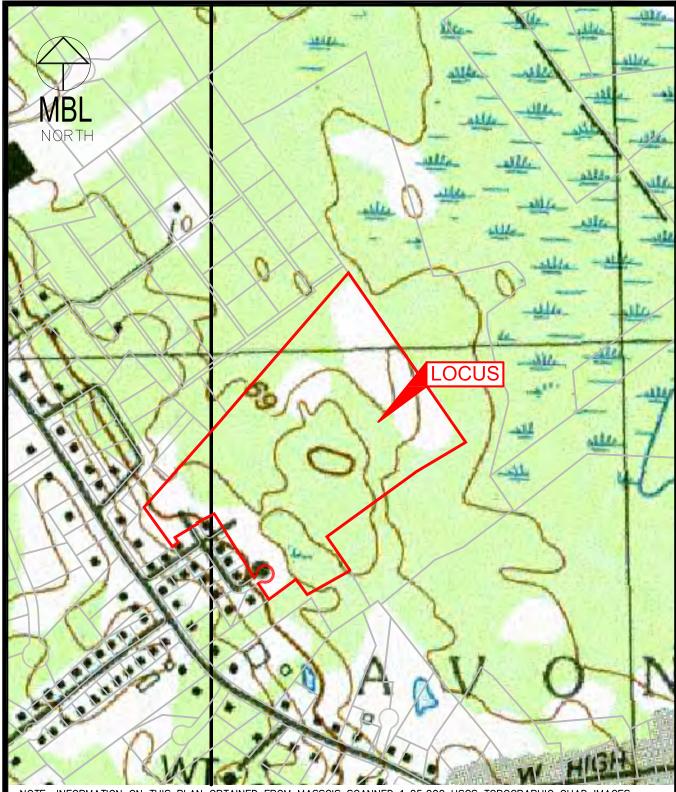
AVON

MASSACHUSETTS

PROJ. No: 2016-002

DATE: 8/8/2019 SCALE: 1"=500'





NOTE: INFORMATION ON THIS PLAN OBTAINED FROM MASSGIS SCANNED 1:25,000 USGS TOPOGRAPHIC QUAD IMAGES, JUNE 2001.

MBL

LAND DEVELOPMENT & PERMITTING, CORP.
LAND DEVELOPMENT, TRANSPORTATION AND ENVIRONMENTAL SOLUTIONS
770 BROADWAY, SUITE No. 6
RAYNHAM, MA 02767
P.508.297.2746 F.508.297.2756
EMAIL:info@MBLLandDevelopment.com
WEB: www.MBLLand Development.com

USGS TOPOGRAPHIC MAP

JOANNA HILLS ESTATES ASSESSORS MAP C7-3 & PLOT 15

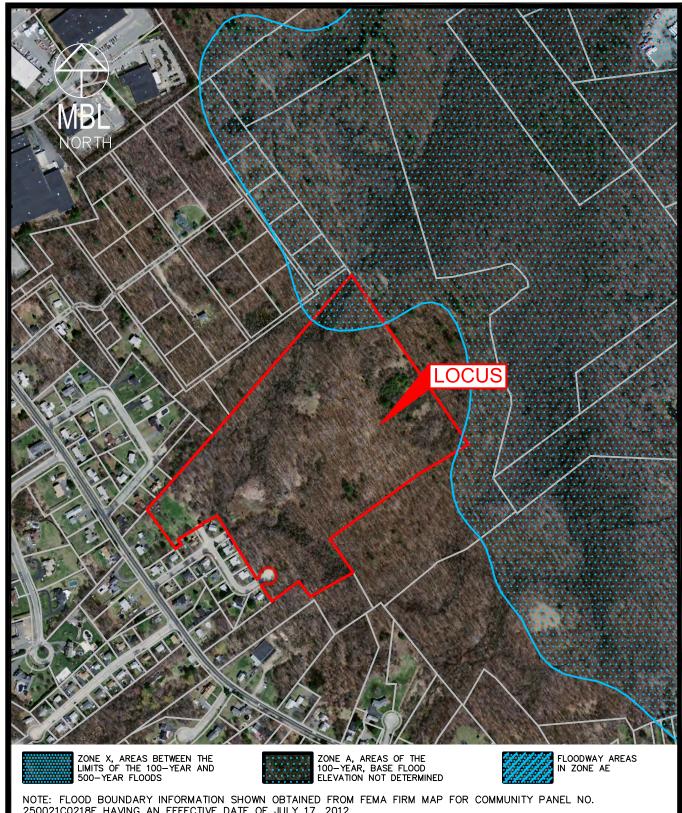
AVON MASSACHUSETTS

PROJ. No: 2016-002

DATE: 8/8/2019

DATE: 8/8/2019 SCALE: 1"=500'

Figure 3: Flood Insurance Rate Map				



NOTE: FLOOD BOUNDARY INFORMATION SHOWN OBTAINED FROM FEMA FIRM MAP FOR COMMUNITY PANEL NO. 250021C0218E HAVING AN EFFECTIVE DATE OF JULY 17, 2012.

LAND DEVELOPMENT & PERMITTING, CORPLAND DEVELOPMENT, TRANSPORTATION AND ENVIRONMENTAL SOLUTIONS 770 BROADWAY, SUITE No. 6 PAYNHAM, MA 02767 P.508.297.2746 F.508.297.2756 EMAIL:info@MBLLandDevelopment.com WEB: www.MBLLand Development.com

FLOOD INSURANCE RATE MAP

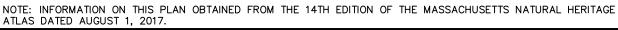
JOANNA HILLS ESTATES ASSESSORS MAP C7-3 & PLOT 15

AVON MASSACHUSETTS PROJ. No: 2016-002

DATE: 8/8/2019 1"=500' SCALE:

Figure 4	1:1	Natural	Heritage	Map
----------	-----	---------	----------	-----







LAND DEVELOPMENT & PERMITTING, CORPLAND DEVELOPMENT, TRANSPORTATION AND ENVIRONMENTAL SOLUTIONS 770 BROADWAY, SUITE No. 6 RAYNHAM, MA 02767 P.508.297.2746 F.508.297.2756 EMAIL:info@MBLLandDevelopment.com WEB: www.MBLLand Development.com

NATURAL HERITAGE MAP

JOANNA HILLS ESTATES ASSESSORS MAP C7-3 & PLOT 15

AVON MASSACHUSETTS PROJ. No: 2016-002 DATE: 8/8/2019

1"=500' SCALE:

Figure 5: Critical Areas



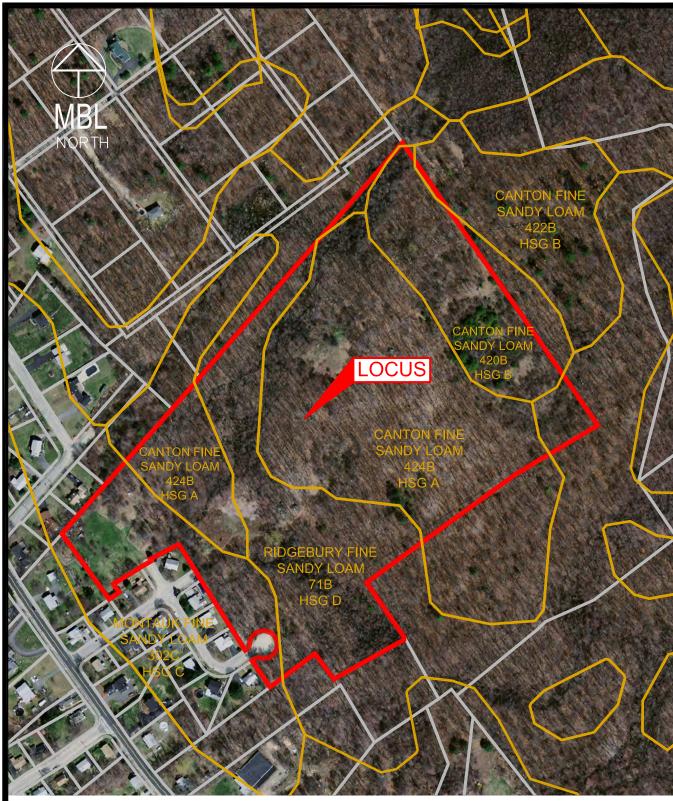
LAND DEVELOPMENT & PERMITTING, CORPLAND DEVELOPMENT, TRANSPORTATION AND ENVIRONMENTAL SOLUTIONS 770 BROADWAY, SUITE No. 6 PAYNHAM, MA 02767 P.508.297.2746 F.508.297.2756 EMAIL:info@MBLLandDevelopment.com WEB: www.MBLLand Development.com

JOANNA HILLS ESTATES ASSESSORS MAP C7-3 & PLOT 15

AVON MASSACHUSETTS DATE: 8/8/2019

1"=500' SCALE:

Figure 6: Soils Map



NOTE: INFORMATION ON THIS PLAN OBTAINED FROM MASS GIS NRCS SSURGO-CERTIFIED SOILS DATA LAYER.

MBL

LAND DEVELOPMENT & PERMITTING, CORP.
LAND DEVELOPMENT. TRANSPORTATION AND EXVIRONMENTAL SOLUTIONS
770 BROADWAY, SUITE No. 6
RAYNHAM, MA 02767
P.508.297.2746 F.508.297.2756
EMAIL:info@MBLLandDevelopment.com
WEB: www.MBLLand Development.com

SOILS MAP

JOANNA HILLS ESTATES ASSESSORS MAP C7-3 & PLOT 15

AVON

MASSACHUSETTS

PROJ. No: 2016-002

DATE: 8/8/2019 SCALE: 1"=300'

APPENDIX A: ORAD & ANRAD PLAN



WPA Form 4B - Order of Resource Area Delineation

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

Provided by MassDEP: SE 099-0161 MassDEP File Number

> eDEP Transaction Number Avon City/Town

A. General Information

Avon

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.

-ro	1. Cons	ervation Commission					
2.	This Issuance is for (check one):						
	a. 🛛 Orde	er of Resource Area Delineation	1				
	b. Ame	nded Order of Resource Area	Delineation				
3.	Applicant:		,				
	Muhammad A	Α.	Itani				
	a. First Name		b. Last Name				
	Stonebridge	Homes, Inc.					
	c. Organization						
	32 Norfolk Av	venue					
	d. Mailing Addre	ess					
	South Eastor	1	MA	02375			
	e. City/Town		f. State	g. Zip Code			
4.	Property Own	ner (if different from applicant):					
	Wisam		Omran				
	a. First Name		b. Last Name				
	SNA Realty 7	Trust					
	c. Organization						
	24 Forest Ed	ge Road					
	d. Mailing Addre		2				
	South Eastor	1	MA	02375			
	e. City/Town		f. State	g. Zip Code			
5.	Project Locat	tion:					
	0 Joanna Ro	ad	Avon	02322			
	a. Street Addres	SS	b. City/Town	c. Zip Code			
	AP C7-3		15				
	d. Assessors Ma	ap/Plat Number	e. Parcel/Lot Number				
Latitude and Longitude		Longitude	42d08m10.577s	71d03m7.8799s			
	(in degrees,	minutes, seconds):	f. Latitude	g. Longitude			
3.	Dates:	02/23/2017					
٥.	Balco.	a. Date ANRAD filed	b. Date Public Hearing Closed	c. Date of Issuance .			
7.	Title and Dat	e (or Revised Date if applicable	e) of Final Plans and Other Doo	cuments:			
	ANRAD Plan	n-Assessors Map C-7-3 & Plot	5/11/2017				
De	velopment & F	b. Date					
	Abbreviated	Notice of Resource Area Revie	ew; Prep By Nover-Armstrong	05/05/2017			
	c. Title			d. Date			



WPA Form 4B – Order of Resource Area Delineation

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

Provided by MassDEP: SE 099-0161 MassDEP File Number

eDEP Transactio	n Number
Avon	
City/Town	

B. Order of Delineation

1. The Conservation Commission has determined the following (check whichever is			nservation Commission has determined the following (check whichever is applicable):
	a.	\boxtimes	Accurate : The boundaries described on the referenced plan(s) above and in the Abbreviated Notice of Resource Area Delineation are accurately drawn for the following resource area(s):
			Bordering Vegetated Wetlands
			2. Other resource area(s), specifically:
			a. (1) Isolated Vegetated Wetland / Isolated Land Subject to Flooding delineated in the field by the C-series flags.
	b.		Modified : The boundaries described on the plan(s) referenced above, as modified by the Conservation Commission from the plans contained in the Abbreviated Notice of Resource Area Delineation, are accurately drawn from the following resource area(s):
			Bordering Vegetated Wetlands
			2. Other resource area(s), specifically:
			a. (1) Isolated Vegetated Wetland delineated by the F-series flags in the field.
Notice of Resor		\boxtimes	Inaccurate: The boundaries described on the referenced plan(s) and in the Abbreviated Notice of Resource Area Delineation were found to be inaccurate and cannot be confirmed for the following resource area(s):
			Bordering Vegetated Wetlands
			2. Other resource area(s), specifically:
			(1) Bordering Land Subject to Flooding; and (2) Bank and Land Under Water to an intermittent stream documented within the A-Series BVW.
			3. The boundaries were determined to be inaccurate because:
			(1) The FEMA Zone A boundary shown on the ORAD Plan-of-Record is approximate

only. No Base Flood Elevation (BFE) has been estimated by FEMA. (2) the intermittent stream documented within the A-Series BVW is not shown on the ORAD Plan-of-Record and has not been delineated in the field. (3) mean annual flood boundary of the certifiable vernal pool documented in the B-Series BVW is not shown on the ANRAD Plan (flooded conditions

up to wetland flags #B8 - #B34 were observed in April 2017 by Peer Reviewer)



WPA Form 4B – Order of Resource Area Delineation

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

Provided by MassDEP: SE 099-0161 MassDEP File Number

> eDEP Transaction Number Avon City/Town

C. Findings

This Order of Resource Area Delineation determines that the boundaries of those resource areas noted above, have been delineated and approved by the Commission and are binding as to all decisions rendered pursuant to the Massachusetts Wetlands Protection Act (M.G.L. c.131, § 40) and its regulations (310 CMR 10.00). This Order does not, however, determine the boundaries of any resource area or Buffer Zone to any resource area <u>not</u> specifically noted above, regardless of whether such boundaries are contained on the plans attached to this Order or to the Abbreviated Notice of Resource Area Delineation.

This Order must be signed by a majority of the Conservation Commission. The Order must be sent by certified mail (return receipt requested) or hand delivered to the applicant. A copy also must be mailed or hand delivered at the same time to the appropriate DEP Regional Office (see http://www.mass.gov/eea/agencies/massdep/about/contacts/find-the-massdep-regional-office-for-your-city-or-town.html).

D. Appeals

The applicant, the owner, any person aggrieved by this Order, any owner of land abutting the land subject to this Order, or any ten residents of the city or town in which such land is located, are hereby notified of their right to request the appropriate DEP Regional Office to issue a Superseding Order of Resource Area Delineation. When requested to issue a Superseding Order of Resource Area Delineation, the Department's review is limited to the objections to the resource area delineation(s) stated in the appeal request. The request must be made by certified mail or hand delivery to the Department, with the appropriate filing fee and a completed Request for Departmental Action Fee Transmittal Form, as provided in 310 CMR 10.03(7) within ten business days from the date of issuance of this Order. A copy of the request shall at the same time be sent by certified mail or hand delivery to the Conservation Commission and to the applicant, if he/she is not the appellant.

Any appellants seeking to appeal the Department's Superseding Order of Resource Area Delineation will be required to demonstrate prior participation in the review of this project. Previous participation in the permit proceeding means the submission of written information to the Conservation Commission prior to the close of the public hearing, requesting a Superseding Order or Determination, or providing written information to the Department prior to issuance of a Superseding Order or Determination.

The request shall state clearly and concisely the objections to the Order which is being appealed and how the Order does not contribute to the protection of the interests identified in the Massachusetts Wetlands Protection Act, (M.G.L. c. 131, § 40) and is inconsistent with the wetlands regulations (310 CMR 10.00). To the extent that the Order is based on a municipal bylaw or ordinance, and not on the Massachusetts Wetlands Protection Act or regulations, the Department of Environmental Protection has no appellate jurisdiction.



WPA Form 4B - Order of Resource Area Delineation

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

Provided by MassDEP:
SE 099-0161
MassDEP File Number

eDEP Transaction Number
Avon

City/Town

E. Signatures	Date of Issuance			
Please Indicate the number of members who will sign	this form. 1. Number of Signers			
Signature of Conservation Commission Member	Signature of Conservation Commission Member			
Signature of Conservation Commission Member Authors Backer	Signature of Conservation Commission Member			
Signature of Conservation Commission Member Signature of Conservation Commission Member	Signature of Conservation Commission Member Edward Mekinan			
This Order is valid for three years from the date of	issuance.			
If this Order constitutes an Amended Order of Resource Area Delineation, this Order does not extend the issuance date of the original Final Order, which expires on unless extended in writing by the issuing authority.				
This Order is issued to the applicant and the property	owner (if different) as follows:			
2. By hand delivery on	3. By certified mail, return receipt requested on			
a Date	a. Date			



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

Request for Departmental Action Fee Transmittal Form

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

DEP	File	Number.	

Provided by DEP

A. Request Information

	a. Street Address	b. City/Town, Zip				
	c. Check number	d. Fee amount				
2.	Person or party making request (if appropriate, name the citizen group's representative):					
	Name					
	Mailing Address					
	City/Town	State	Zip Code			
	Phone Number	Fax Number (if ap	oplicable)			
3.	Applicant (as shown on Determination of Applicability (Form 2), Order of Resource Area Delineation (Form 4B), Order of Conditions (Form 5), Restoration Order of Conditions (Form 5A), or Notice of Non-Significance (Form 6)):					
	Name					
	Mailing Address					
	City/Town	State	Zip Code			
	Phone Number	Fax Number (if a	oplicable)			
4.	DEP File Number:					
В.	Instructions					
1.	When the Departmental action reque	est is for (check one):				
	Superseding Order of Conditions – Fee: \$120.00 (single family house projects) or \$245 (all other projects)					
	☐ Superseding Determination of A	pplicability – Fee: \$120				

Send this form and check or money order, payable to the Commonwealth of Massachusetts, to:

☐ Superseding Order of Resource Area Delineation – Fee: \$120

Department of Environmental Protection Box 4062 Boston, MA 02211



Request for Departmental Action Fee Transmittal Form

DEP	File	Num	ber:

Provided by DEP

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

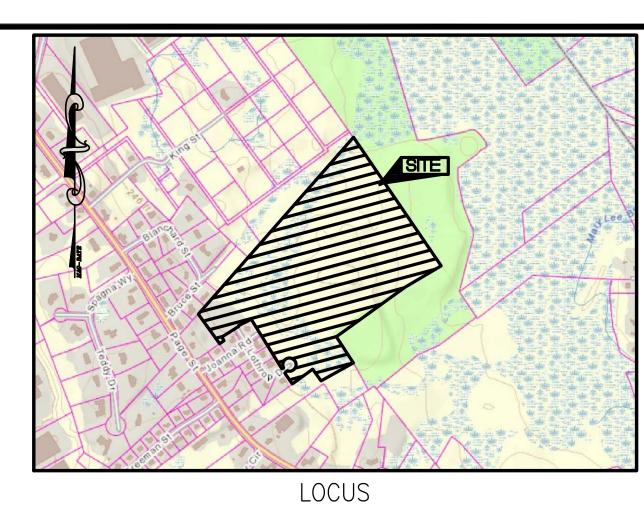
B. Instructions (cont.)

- 2. On a separate sheet attached to this form, state clearly and concisely the objections to the Determination or Order which is being appealed. To the extent that the Determination or Order is based on a municipal bylaw, and not on the Massachusetts Wetlands Protection Act or regulations, the Department has no appellate jurisdiction.
- 3. Send a **copy** of this form and a **copy** of the check or money order with the Request for a Superseding Determination or Order by certified mail or hand delivery to the appropriate DEP Regional Office (see http://www.mass.gov/eea/agencies/massdep/about/contacts/).
- 4. A copy of the request shall at the same time be sent by certified mail or hand delivery to the Conservation Commission and to the applicant, if he/she is not the appellant.

REVISIONS



SOUTH EASTON



SCALE: N.T.S.

GENERAL NOTES:

ZONING DISTRICT : RESIDENTIAL B

SETBACKS F/S/R : 25'/15'/30'(CLUSTER DEVELOPMENT)

MIN. LOT AREA: 25,000 S.F.(CLUSTER DEVELOPMENT)

OWNER: SNA REALTY TRUST
c/o WISAM R. OMRAN, TRUSTEE
24 FOREST EDGE ROAD
SOUTH EASTON, MA

LOCUS PROPERTY IS COMPRISED OF: ASSESSORS MAP C7 BLOCK 3 LOT 15

LOCUS DEED REFERENCE (NORFOLK COUNTY): BOOK 34405 PAGE 471

PLAN REFERENCE (NORFOLK COUNTY): LC PLAN #26845A

PLAN No. 1647 OF 1954 BK.1329 PG. 100 PLAN No. 788 OF 1954 BK.1968 PG. 205 PLAN No. 1115 OF 1980 BK.5824 PG. 330

COMMUNITY PANEL NUMBER 25021C0218E, PANEL 213 OF 430 THE FLOOD INSURANCE RATE MAP DEFINES A MAJORITY OF THE SITE AS FLOOD ZONE X WITH A MINORITY PORTION AS FLOOD ZONE A, DATED JULY 17, 2012

LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD BY THE APPROPRIATE UTILITY COMPANY PRIOR TO ANY CONSTRUCTION.

THIS PLAN IS BASED ON AVAILABLE RECORD INFORMATION, PLANS, AN ACTUAL ON THE GROUND FIELD SURVEY AND WETLAND FLAGGING BY THIS FIRM AND LSC ENVIRONMENTAL CONSULTING APRIL 2016 THROUGH MAY 2017.

			PROJ. MANAGER:	MBL	SEAL	SEAL	
			CHIEF DESIGNER:	MBL	and the later of the		PREPARED FOR
			REVIEWED BY:	DATE	STORTH OF THE OWNER		
					JAMES E. MILLER		STONEBRIDGE HOMES, INC
				4	MILLER JELLE		,
				1000	1 No. 31064		32 NORFOLK AVENUE
5/11/2017	REVISED PER PEER REVIEW SITE VISIT	THL		*	700		
DATE	DESCRIPTION	BY			Jan	\sim	
					1 Am-		

PREPARED FOR

ONEBRIDGE HOMES, INC.

32 NORFOLK AVENUE

HORZ.: 1"=80'
VERT.:

DATUM:
HORZ.:
VERT.:
80 40 0

MASSACHUSETTS

GRAPHIC SCALE

.E:	
HORZ.: 1"=80'	
VERT.:	LAND DEVELOPMENT & PERMITTING, CORP. LAND DEVELOPMENT, TRANSPORTATION AND ENVIRONMENTAL SOLUTIONS
JM:	770 BROADWAY SUITE 6
HORZ.:	RAYNHAM, MA. 02767
VERT.:	P.508.297.2746 F.508.297.2756
40 0 160	EMAIL:info@MBLLandDevelopment.com WEB: www.MBLLandDevelopment.com

ANRAD PLAN

EXISTING CONDITIONS PLAN

OFF JOANNA ROAD

ASSESSORS MAP C7-3 & PLOT 15

& PLOT 15

MASSACHUSETTS

ANRAD

PROJ. No.: 2016-002

DATE: FEBRUARY 2, 2017

MASSACHUSI

AVON

APPENDIX B: AFFIDAVIT OF SERVICE, NOTIFICATION TO ABUTTERS & CERTIFIED ABUTTERS LIST

AFFIDAVIT OF SERVICE

Under the Massachusetts Wetlands Protection Act

I, Tracy L. Duarte hereby certify under the pains and penalties of perjury that on

October 29, 2020 I gave notification to Abutters in compliance with the second paragraph of

Massachusetts General Laws Chapter 131, Section 40, and the DEP Guide to Abutter

Notification Dated April 8, 1994, and the Wetlands Protection Rules and Regulations in

connection with the following matter:

A Notice of Intent has been filed under the Massachusetts Wetlands Protection

Act by MBL Land Development & Permitting Corp. on behalf of Joanna Hills LLC

with the Avon Conservation Commission for the property located at Joanna Road

(Map C7, Block 3, Lot 15) in Avon, MA.

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.

Signature

Date

CERTIFIED ABUTTERS LIST

300' CERTIFIED ABUTTERS LIST JOANNA RD. ASSESSORS LOT C7-3-15 AVON, MA

MBL LAND DEVELOPMENT AND PERMITTING CORP.

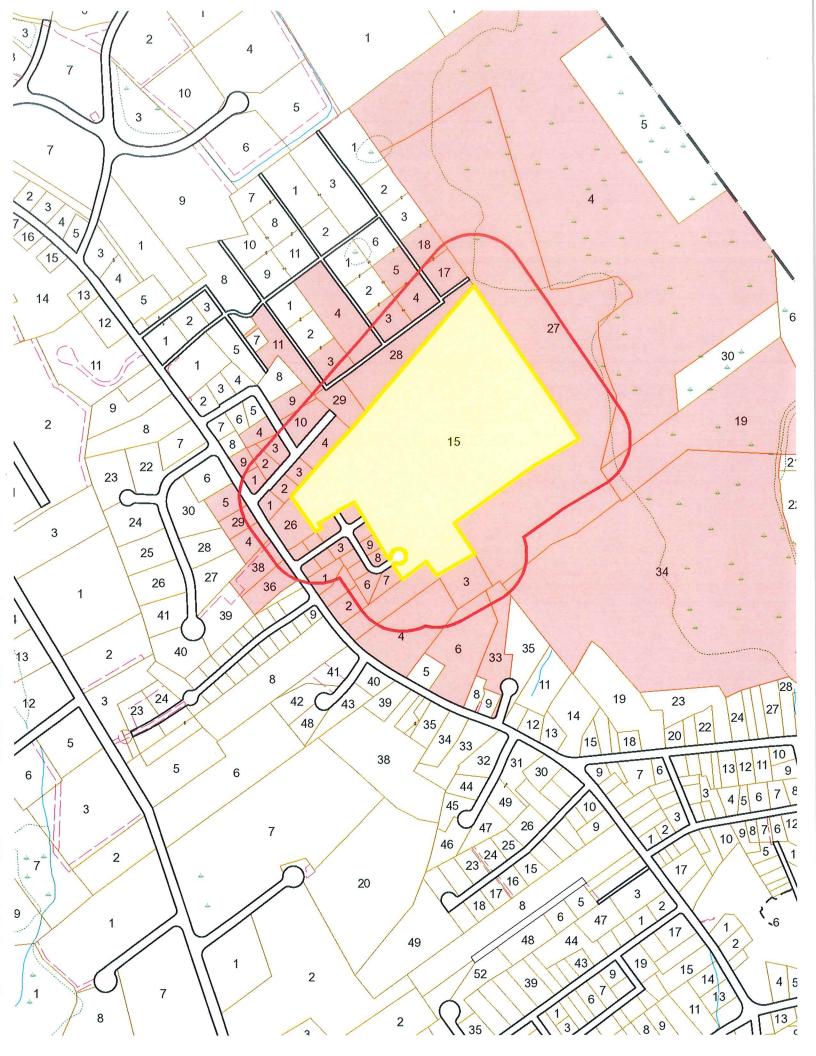
Board of Assessors Certified Copy

Map	Block	k Lot Location	Owners Name	Mailing Address	City	St Zip
B6	2	36 304 Page St.	Lemasa, Carlton & Lemasa, Nicole M.	304 Page St.	Avon	MA 02322
B6	2	38 314 Page St.	Tran, Peter & Tran, Nancy, Tr Peter & Nancy Family Trust	314 Page St.	Avon	MA 02322
B7	3	29 342 Page St.	Campbell, James W. II & Campbell, Nancy E.	PO Box 124	Avon	MA 02322
B7	3	4 324 Page St.	Smoot, Joseph III	324 Page St.	Avon	MA 02322
B7	3	5 352 Page St.	Spagna, Peter J., Tr., Spagna Realty Trust	352 Page St.	Avon	MA 02322
B7	6	10 10 Blanchard St.	Griffin, Joan M., c/o Jean, James K.	10 Blanchard St.	Avon	MA 02322
B7	6	11 13 King St.	Zeng, Mei Su & Zeng, Wanyong	13 King St.	Avon	MA 02322
B7	6	9 8 Blanchard St.	McCarthy, Stephen James & McCarthy, Tayla Marie	8 Blanchard St.	Avon	MA 02322
B7	7	1 349 Page St.	Laguerre, Deverson & Laguerre, Beatrice	349 Page St.	Avon	MA 02322
B7	7	2 2 Bruce St.	Buccella, David J. & Buccella, Ellen M.	2 Bruce St.	Avon	MA 02322
B7	7	3 9 Blanchard St.	Buccella, Richard A. & Buccella, Patricia Ann	9 Blanchard St.	Avon	MA 02322
B7	7	4 5 Blanchard St.	Eddrif, Younes & Nguyen-Eddrif, Minh B.	5 Blanchard St.	Avon	MA 02322
B7	7	9 357 Page St.	Buccella, Domenic J. & Buccella, Patrick J.	357 Page St.	Avon	MA 02322
B7	8	1 335 Page St.	Lundy, Emmanuel & Lundy, Dambreville, Nirphemy	335 Page St.	Avon	MA 02322
B7	8	2 1 Bruce St.	Anderson, Paul W. & Anderson, Sandra L.	1 Bruce St.	Avon	MA 02322
B7	8	3 3 Bruce St.	Matthews, Wendell M. & Matthews, Patricia A L.E.	3 Bruce St.	Avon	MA 02322
B7	8	4 5 Bruce St.	Buccella, Mario D. & Buccella, John A Tr., Page St. Realty Trust	2 Bruce St.	Avon	MA 02322
C6	1	1 295 Page St.	Vil, Nadege & Paul, Jean Bony	295 Page St.	Avon	MA 02322
C6	1	2 287 Page St.	Toussaint, Lunick G.	287 Page St.	Avon	MA 02322
C6	1	3 265 Page St.	Karasinski, Gregory C.	265 Page St.	Avon	MA 02322
C6	1	32 291 Page St.	Mathieu, Judith C. & Mathieu, Francois	291 Page St.	Avon	MA 02322
C6	1	33 1 Carrel Ct.	Carrel, Owen T. & Carrel, Linda	1 Carrel Ct.	Avon	MA 02322
C6	1	34 West High St.	253 Page St. LLC.	32 Norfolk Ave.	S. Easton	MA 02375
C6	1	4 253 Page St.	253 Page St. LLC.	32 Norfolk Ave.	S. Easton	MA 02375
C6	1	6 209 Page St.	Pacheco, Pamela E.	209 Page St.	Avon	MA 02322
C7	1	3 King St.	Nordstrom, Glenn E., Tr D&G King Street Realty Trust	17 King St.	Avon	MA 02322
C7	1	4 17 King St.	Nordstrom, Glenn E. & Nordstrom, Darlene M.	17 King St.	Avon	MA 02322
C7	2	3 Avon Park (King St.)	Avon Housing AuthorityFellowship	Fellowship Circle	Avon	MA 02322
C7	2	4 Avon Park (King St.)	Avon, Town of	65 E. Main St.	Avon	MA 02322
C7	2	5 Avon Park (King St.)	Avon, Town of	65 E. Main St.	Avon	MA 02322
C7	3	1 301 Page St.	McLeod, Sandra L.	301 Page St.	Avon	MA 02322

300' CERTIFIED ABUTTERS LIST JOANNA RD. ASSESSORS LOT C7-3-15 AVON, MA REQUESTED BY:

MBL LAND DEVELOPMENT AND PERMITTING CORP.

C7	3	10	3 Lothrop Dr.	Callender, Marva Joan	3 Lothrop Dr.	Avon	MA 02322
C7	3	11	29 Joanna Rd.	Killberg, Thomas E. & Killberg, Amber D.	29 Joanna Rd.	Avon	MA 02322
C7	3	12	21 Joanna Rd.	MacPhee, Denis P.	21 Joanna Rd.	Avon	MA 02322
C7	3	13	13 Joanna Rd.	Bodensieck, Christopher	13 Joanna Rd.	Avon	MA 02322
C7	3	14	305 Page St.	Hutchings, Peter & Hutchings, Darlene	305 Page St.	Avon	MA 02322
C7	3	17	Avon Park (King St.)	Avon, Town of	65 E. Main St.	Avon	MA 02322
C7	3	18	Avon Park (King St.)	Avon, Town of	65 E. Main St.	Avon	MA 02322
C7	3	19	47 Langley Rd.	Graf, Eric B. & Graf, Leah I.	47 Langley Rd.	Avon	MA 02322
C7	3	2	14 Joanna Rd.	Pozzar, Christian G. & Pena, Ada M.	14 Joanna Rd.	Avon	MA 02322
C7	3	26	323 Page St.	Kennedy, Alfred D. & Kennedy, Lisa M.	323 Page St.	Avon	MA 02322
C7	3	27	Rear Page St.	Avon, Town of	65 E. Main St.	Avon	MA 02322
C7	3	28	King St.	Affiliated Warehouses	PO Box 333	Avon	MA 02322
C7	3		King St.	Seidel, Jeffrey C.	PO Box 527	Raynham Ctr.	MA 02768
C7	3	3	20 Joanna Rd.	Devine, Paul W. & Devine, Christine M.	20 Joanna Rd.	Avon	MA 02322
C7	3	4	10 Lothrop Dr.	Tracey, Jayson P. & Tracey, Lisa M.	10 Lothrop Dr.	Avon	MA 02322
C7	3	5	16 Lothrop Dr.	Soto, Jose	16 Lothrop Dr.	Avon	MA 02322
C7	3	6	22 Lothrop Dr.	Sinclair, Alexander S. IV & Sinclair, Paula M.	22 Lothrop Dr.	Avon	MA 02322
C7	3	7	28 Lothrop Dr.	Carrel, Catherine C., L.E.	28 Lothrop Dr.	Avon	MA 02322
C7	3	8	15 Lothrop Dr.	Clinton, Timothy & Colangeli, Andrea	15 Lothrop Dr.	Avon	MA 02322
C7	3	9	9 Lothrop Dr.	Gracie, Michael & Iamele, Kristi	9 Lothrop Dr.	Avon	MA 02322
C8	2	4	S of Wales to City	Edwards. Terry L. & Edwards, Katherine E.	80 South St.	Avon	MA 02322





Land Development, Transportation & Environmental Solutions

Office Location

770 Broadway Suite No.6 Raynham, MA 02767 P.508.297.2746 F.508.297.2756

Email: info@MBLLandDevelopment.com

Remittance Address

P.O. Box 7001 Somerset, MA 02726 P.508.617.8541 F.508.617.8543

Website: www.MBLLandDevelopment.com

10/27/2020

Abutter to Assessors Plat C7, Block 3, Lot 15 Joanna Road Avon, Massachusetts

RE: Notification to Abutters under the Massachusetts Wetlands Protection Act Chapter 131 Section 40

Notice of Intent

Dear Abutter:

On behalf of our client, Joanna Hills LLC, MBL Land Development & Permitting Corp. is hereby notifying you of a filing of a Notice of Intent with the Avon Conservation Commission seeking the approval of the proposed project, consisting of a Chapter 40B development containing 76 proposed units with associated site access, parking, grading, drainage and utilities including an on-site subsurface disposal system. The site address is Joanna Road, Avon (Assessors Plat C7, Block 3, Lot 15). The public hearing on this Notice of Intent will be held virtually on November 12 at 7:00 PM. Information regarding this hearing will be provided online by the Town of Avon Conservation Commission.

Notice of the public hearing, including the date, time, and place will be published at least five days in advance in the Brockton Enterprise newspaper. Notice of the public hearing, including the date, time, and place will be posted on the bulletin board of the Town Hall not less than forty-eight hours in advance. You may also contact the Avon Conservation Commission Office at 508-588-0414 ext 1023 or the Southeastern Regional Office of the Department of Environmental Protection.

If you have any guestions or concerns, please do not hesitate to contact us at 508-297-2746.

Sincerely,

MBL Land Development & Permitting Corp.

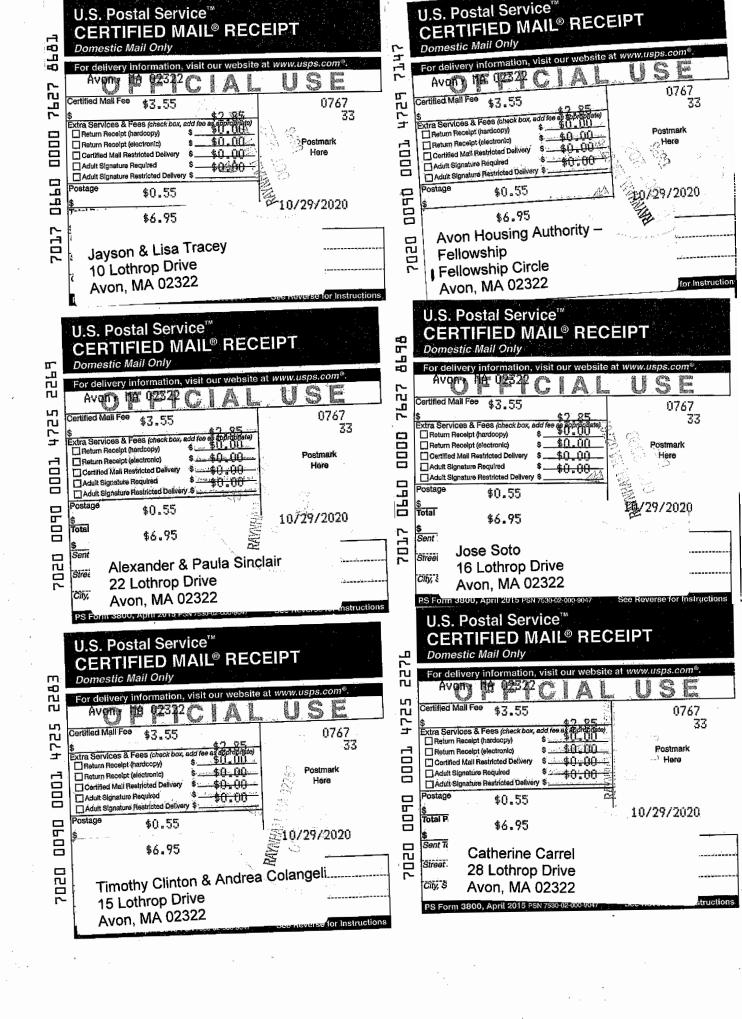
Brian M. Dunn

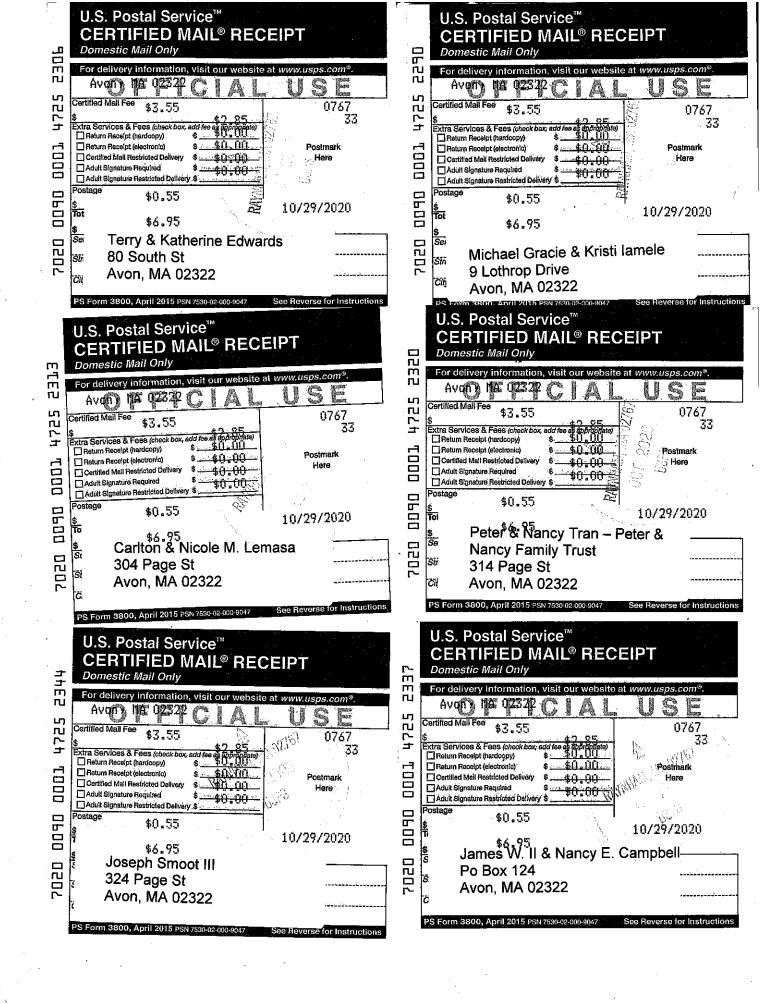
President/Project Manager

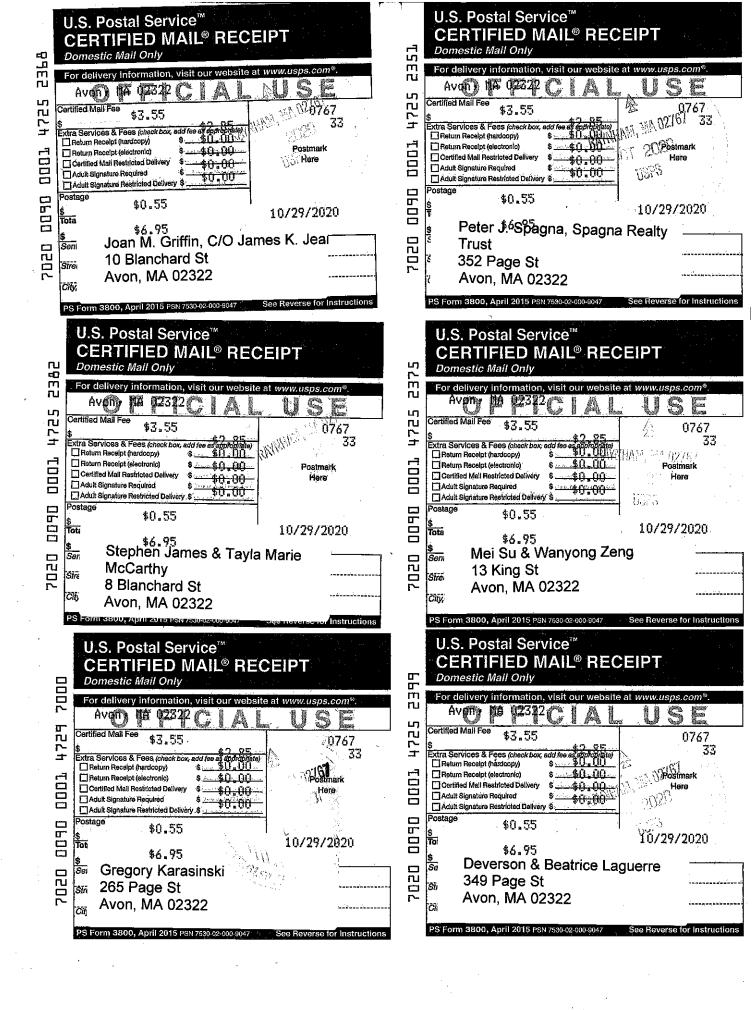


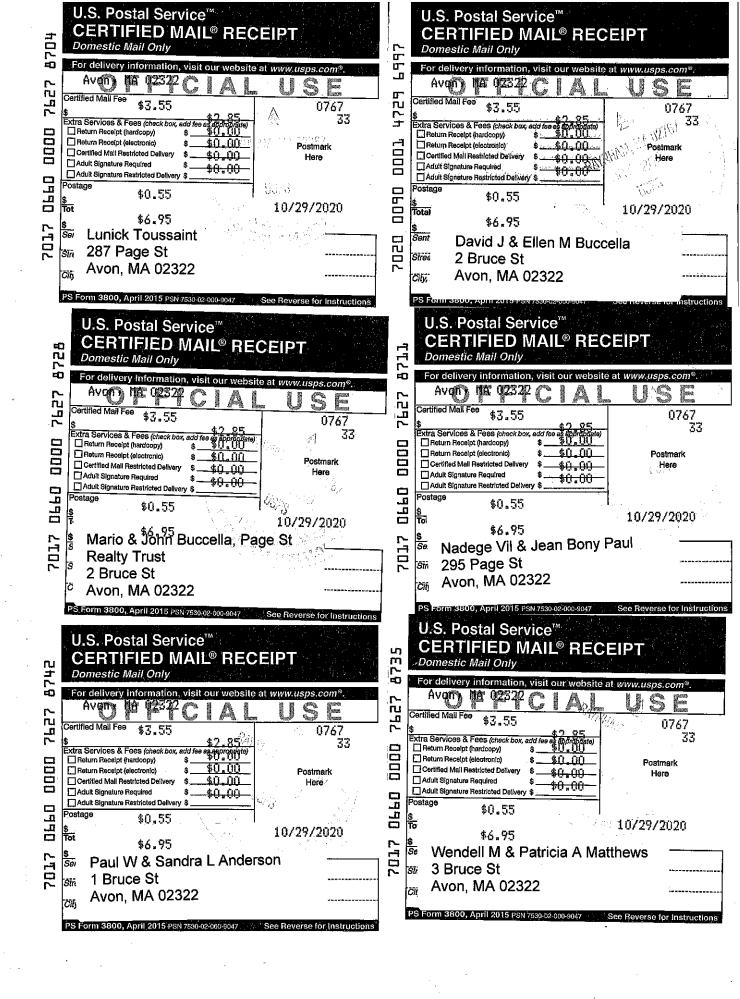
Joanna Hills, LLC 32 Norfolk Avenue South Easton, MA 02375 10/14/2020 Bate May to the of Counsmonwealth of Massachusetts \$6,662-50-Ley-thousand Six hundred sixty-two and 50/100. **Mechanics Cooperative Bank** Joanna Hills Estates, Avon Mr. NOI- Filing Fee ::211372048: 50 022433#

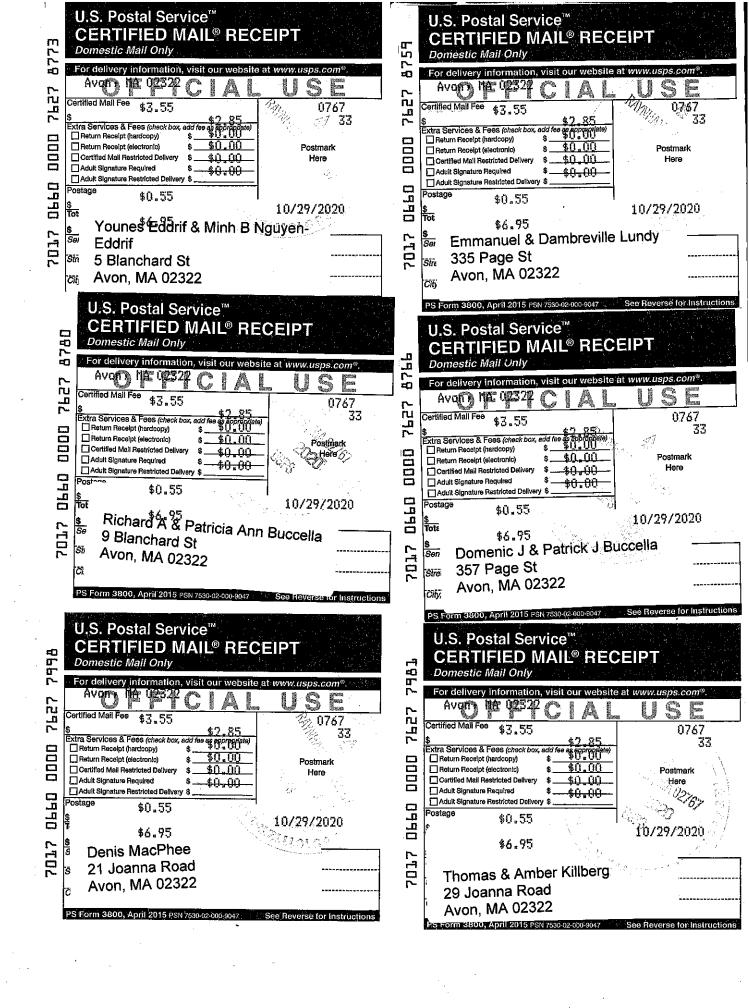
1023 Joanna Hills, LLC 53-7204/2113 32 Norfolk Avenue South Easton, MA 02375 10/14/2020 \$6,687.50-Dix thousand Dx hundred eighty-seven and 50/100-Aollars of Photo Basic Exposite Mechanics Cooperative Bank Joanna Hills Estates, Avon Bor NO I- Filing Fee-Con-Com.

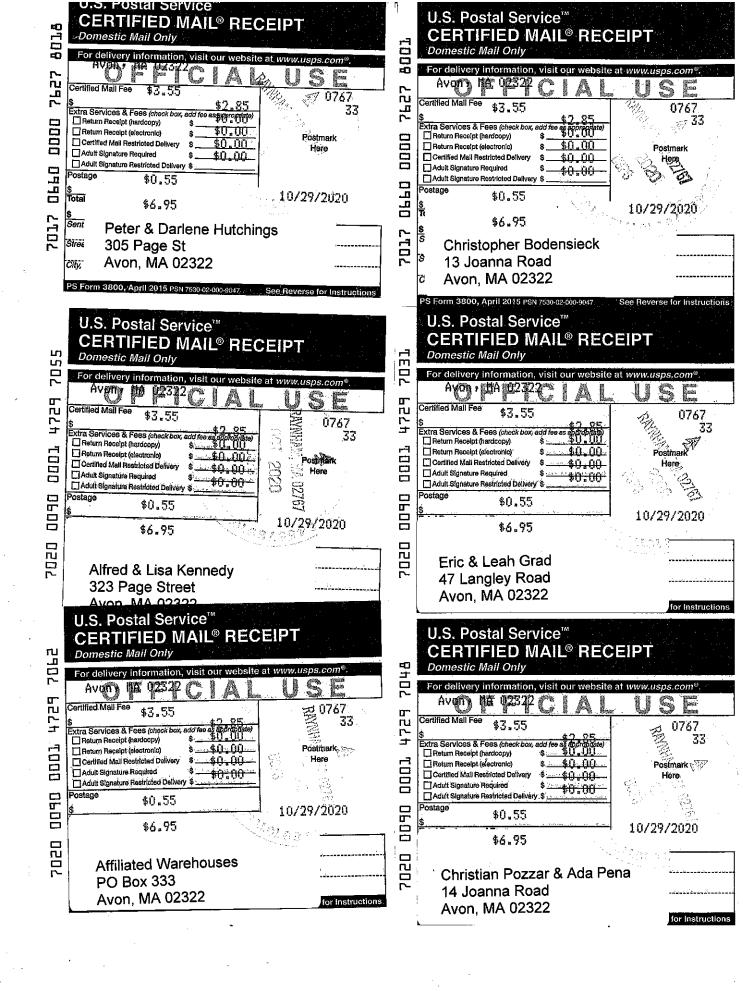


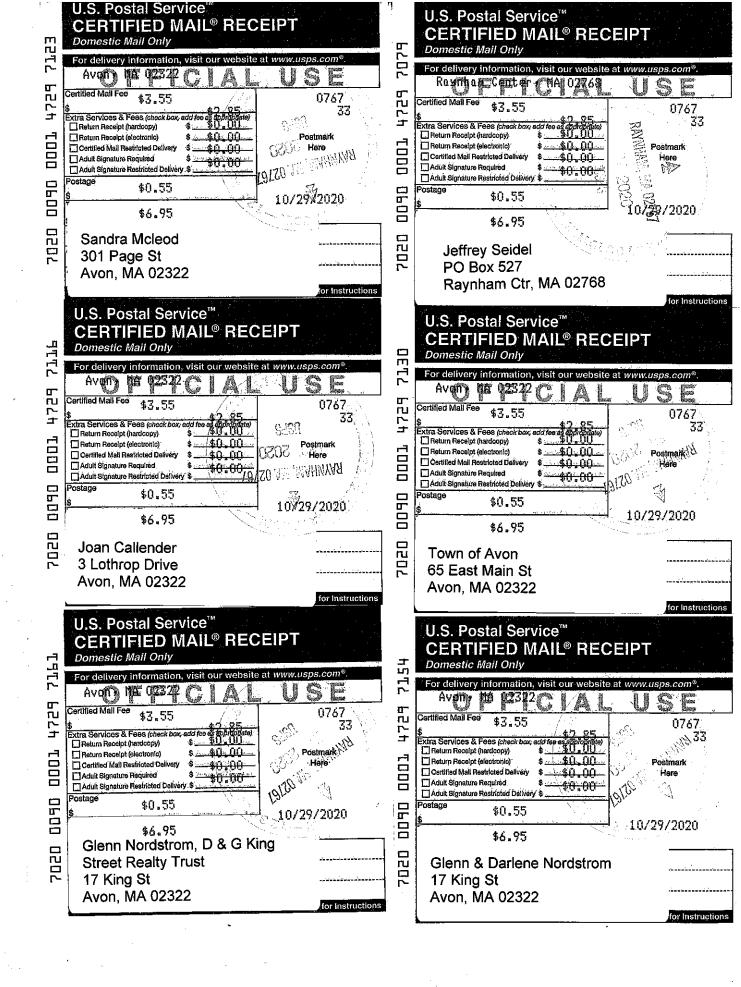


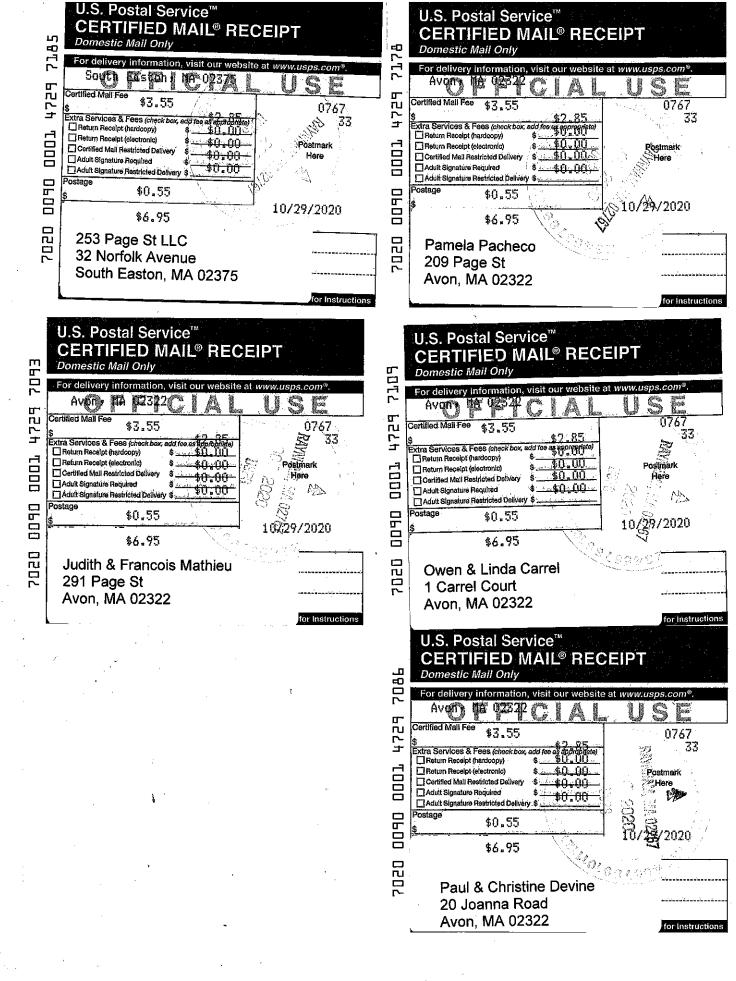












APPENDIX D: FEMA LETTER OF MAP AMENDMENT DETERMINATION



Federal Emergency Management Agency

Washington, D.C. 20472

December 12, 2019

MRS. TRACY DUARTE
MBL LAND DEVELOPMENT
770 BROADWAY
SUITE NO. 6
RAYNHAM, MA 02767

CASE NO.: 19-01-1880A

COMMUNITY: TOWN OF AVON, NORFOLK

COUNTY, MASSACHUSETTS

COMMUNITY NO.: 250231

DEAR MRS. DUARTE:

This is in reference to a request that the Federal Emergency Management Agency (FEMA) determine if the property described in the enclosed document is located within an identified Special Flood Hazard Area, the area that would be inundated by the flood having a 1-percent chance of being equaled or exceeded in any given year (base flood), on the effective National Flood Insurance Program (NFIP) map. Using the information submitted and the effective NFIP map, our determination is shown on the attached Letter of Map Amendment (LOMA) Determination Document. This determination document provides additional information regarding the effective NFIP map, the legal description of the property and our determination.

Additional documents are enclosed which provide information regarding the subject property and LOMAs. Please see the List of Enclosures below to determine which documents are enclosed. Other attachments specific to this request may be included as referenced in the Determination/Comment document. If you have any questions about this letter or any of the enclosures, please contact the FEMA Map Information eXchange (FMIX) toll free at (877) 336-2627 (877-FEMA MAP) or by letter addressed to the Federal Emergency Management Agency, Engineering Library, 3601 Eisenhower Ave Ste 500, Alexandria, VA 22304-6426.

Sincerely,

Luis V. Rodriguez, P.E., Director Engineering and Modeling Division

La Si

Federal Insurance and Mitigation Administration

LIST OF ENCLOSURES:

LOMA-DEN DETERMINATION DOCUMENT (NON-REMOVAL)

cc: State/Commonwealth NFIP Coordinator

Community Map Repository

Region



Federal Emergency Management Agency

Washington, D.C. 20472

ADDITIONAL INFORMATION REGARDING DENIALS OF REQUESTS FOR LETTERS OF MAP AMENDMENT AND LETTERS OF MAP REVISION BASED ON FILL

When making determinations on requests for Letters of Map Amendment (LOMAs) and Letters of Map Revision based on the placement of fill (LOMR-Fs), the Department of Homeland Security's Federal Emergency Management Agency (FEMA) bases its determination on the flood hazard information available at the time of the determination. Requesters should be aware that flood conditions may change or new information may be generated that would supersede FEMA's determination. In such cases, the community will be informed by letter.

Requesters also should be aware that FEMA's denial of a request to remove a property (parcel of land or structure) from the Special Flood Hazard Area (SFHA) means FEMA has determined the property is subject to inundation by the flood having a 1-percent chance of being equaled or exceeded in any given year (base flood). As mentioned earlier, this determination is based on the flood hazard information available at the time. If more detailed property or flood hazard information becomes available, and the requester believes the information will support removing the property from the SFHA, the requester may submit the information to FEMA at any time and request that FEMA reconsider its determination. In areas where base flood elevations (BFEs) shown on the effective National Flood Insurance Program (NFIP) map were used for the original determination, new BFEs cannot be used until they have been proposed and finalized through the community appeal process. The appeal process is described in detail in Part 67 of the NFIP regulations.

If FEMA denies a request for a LOMA because the elevation of the lowest adjacent grade (the lowest ground touching a structure) is below the BFE and that elevation is raised to or above the BFE by the placement of fill material, the requester may submit the appropriate supporting data and request a LOMR-F in accordance with Paragraph 65.5(a)(4) of the NFIP regulations. In this circumstance, if both the elevation of the lowest ground touching the structure *and* the elevation of the lowest floor (including basement/crawl space) are at or above the BFE, FEMA will issue a LOMR-F to remove the structure from the SFHA.

If fill material is used to elevate the lowest ground touching the structure and the lowest floor (including basement/crawl space) to or above the BFE, the requester also must submit a completed copy of Form 4, "Community Acknowledgment of Requests Involving Fill," from the MT-1 application forms package that is to be used for all LOMR-F requests. The application forms package may be downloaded directly from our Web site at https://www.fema.gov/media-library/assets/documents/31858, or copies may be obtained by calling the FEMA Map Information eXchange, toll free, at 1-877-FEMA MAP (1-877-336-2627).

Effective October 1, 1996, FEMA revised the fee schedule for reviewing and processing requests for conditional and final modifications to published flood information and maps, thereby establishing flat review and processing fees for most types of requests. Effective February 20, 2015, FEMA modified that fee schedule. All new requests will be processed under the current fee schedule.

There is no review and processing fee for a LOMA request. The review and processing fees for CLOMAs, CLOMR-Fs, and LOMR-Fs are shown below.

CLOMAs, CLOMR-Fs, and LOMR-Fs	Paper Form Fee	Online LOMC Fee
Single-lot/single-structure CLOMAs and CLOMR-Fs	\$600	\$500
Single-lot/single-structure LOMR-Fs	\$525	\$425
Multiple-lot/multiple-structure CLOMAs	\$800	\$700
Multiple-lot/multiple-structure CLOMR-Fs and LOMR-Fs	\$900	\$800
Single-lot/single-structure LOMR-Fs based on as-built information		
(CLOMR-F previously issued by FEMA)	\$425	\$325
Multiple-lot/multiple-structure LOMR-Fs based on as-built information		
(CLOMR-F previously issued by FEMA)	\$800	\$700

Please note: To receive a \$100 discount on the processing fee, please submit your request electronically using FEMA's Online LOMC Tool at https://hazards.fema.gov/femaportal/onlinelomc/signin.

The review and processing fee must be received before FEMA can begin processing a request. Payment of the fee shall be made in the form of a check or money order, made payable in U.S. funds to the <u>National Flood Insurance Program</u>, or by credit card. The payment must be forwarded to the following address:

Federal Emergency Management Agency LOMC Clearinghouse 3601 Eisenhower Avenue, Suite 500 Alexandria, VA 22304-6426



Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP AMENDMENT **DETERMINATION DOCUMENT (NON-REMOVAL)**

		•				
COMMUI	NITY AND MAP PANEL INFORMATION	LEGAL PROPERTY DESCRIPTION				
TOWN OF AVON, NORFO COUNTY, MASSACHUSE COMMUNITY		A parcel of land, as described in the Quitclaim Deed record Document No. 86331, in Book 34405, Pages 471, 472, an Office of the Registry of Deeds, Norfolk County, Massachu The portion of property is more particularly described by the metes and bounds:	d 273, in the usetts			
AFFECTED	NUMBER: 25021C0218E					
MAP PANEL	DATE: 7/17/2012					
FLOODING SOURCE. WART LEE BROOK		APPROXIMATE LATITUDE & LONGITUDE OF PROPERTY:42.139392, -71.049825 SOURCE OF LAT & LONG: LOMA LOGIC DATUM: NA				
		DETERMINATION				

LOT	BLOCK/ SECTION	SUBDIVISION	STREET	OUTCOME WHAT IS NOT REMOVED FROM THE SFHA	FLOOD ZONE	1% ANNUAL CHANCE FLOOD ELEVATION (NAVD 88)	LOWEST ADJACENT GRADE ELEVATION (NAVD 88)	LOWEST LOT ELEVATION (NAVD 88)
	-	1	Joanna Road	Portion of Property	А	213.0 feet	1	212.8 feet

Special Flood Hazard Area (SFHA) - The SFHA is an area that would be inundated by the flood having a 1-percent chance of being equaled or exceeded in any given year (base flood).

ADDITIONAL CONSIDERATIONS (Please refer to the appropriate section on Attachment 1 for the additional considerations listed below.)

LEGAL PROPERTY DESCRIPTION ZONE A

This document provides the Federal Emergency Management Agency's determination regarding a request for a Letter of Map Amendment for the property described above. Using the information submitted and the effective National Flood Insurance Program (NFIP) map, we have determined that the described portion(s) of the property(ies) is/are located in the SFHA, an area inundated by the flood having a 1-percent chance of being equaled or exceeded in any given year (base flood). Therefore, flood insurance is required for the property described above. The lowest adjacent grade elevation to a structure must be at or above the Base Flood Elevation for a structure to be outside of the SFHA.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination and information regarding your options for obtaining a Letter of Map Amendment. If you have any questions about this document, please contact the FEMA Map Information eXchange (FMIX) toll free at (877) 336-2627 (877-FEMA MAP) or by letter addressed to the Federal Emergency Management Agency, Engineering Library, 3601 Eisenhower Ave Ste 500, Alexandria, VA 22304-6426.

> Luis V. Rodriguez, P.E., Director **Engineering and Modeling Division**

Federal Insurance and Mitigation Administration

Page 2 of 2 Date: December 12, 2019 Case No.: 19-01-1880A LOMA-DEN



Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP AMENDMENT DETERMINATION DOCUMENT (NON-REMOVAL)

ATTACHMENT 1 (ADDITIONAL CONSIDERATIONS)

LEGAL PROPERTY DESCRIPTION (CONTINUED)

BEGINNING at a drill hole in a stone wall located in the northeasterly corner of land now or formerly of Affiliated Warehouses Inc., thence S 20°39'45" E, 358.11 feet by land now or formerly of the Town of Avon to a drill hole, thence S 19°39'23" E, 33.78 feet by said land to a point; thence S 79°56'45" W, 45.93 feet to a point; thence N 80°26'04" W, 203.39 feet to a point; thence N 65°59'41" W, 84.63 feet to a point; thence N 41°29'38" W, 106.67 feet to a point; thence N 15°20'46" W, 45.72 feet to a stone wall at the land of Affiliated Warehouses Inc.; thence N 55°44'00" E by a stone wall and the land of Affiliated Warehouses Inc., 324.46 feet to the POINT OF BEGINNING **ZONE A (This Additional Consideration applies to the preceding 1 Property.)**

The National Flood Insurance Program map affecting this property depicts a Special Flood Hazard Area that was determined using the best flood hazard data available to FEMA, but without performing a detailed engineering analysis. The flood elevation used to make this determination is based on approximate methods and has not been formalized through the standard process for establishing base flood elevations published in the Flood Insurance Study. This flood elevation is subject to change.

This attachment provides additional information regarding this request. If you have any questions about this attachment, please contact the FEMA Map Information eXchange (FMIX) toll free at (877) 336-2627 (877-FEMA MAP) or by letter addressed to the Federal Emergency Management Agency, Engineering Library, 3601 Eisenhower Ave Ste 500, Alexandria, VA 22304-6426.

Luis V. Rodriguez, P.E., Director Engineering and Modeling Division Federal Insurance and Mitigation Administration

APPENDIX E: STORMWATER OPERATION & MAINTENENCE PLAN

To keep the stormwater management system functioning properly and to ensure that the Total Suspended Solids (TSS) are reduced, periodic inspections and maintenance of the system is required. The operation and maintenance of all components of the proposed stormwater management system will be the responsibility of the following:

Joanna Hills, LLC

The following is a guideline of the specific maintenance schedules and tasks on a component by component basis that is required to keep the stormwater management system functioning properly. A log of the maintenance performed is to be perpetually maintained and a copy submitted to the Avon Conservation Commission annually.

DEEP SUMP CATCH BASINS

<u>Unscheduled Maintenance</u>: At the end of foliage and snow-removal seasons, inspect or clean the basin. Remove any branches, trash or other large debris that could interfere with the proper operation of the stormwater management system. Whenever the depth of deposits is greater than or equal to one half the depth from the bottom of the invert of the lowest pipe in the basin, remove any accumulated sediment with clamshell buckets or vacuum trucks.

<u>Quarterly Maintenance</u>: Inspect or clean the basin. Remove any branches, trash or other large debris that could interfere with the proper operation of the stormwater management system. Remove any accumulated sediment with clamshell buckets or vacuum trucks.

WATER QUALITY UNITS

See attached on the following pages, the operation and maintenance requirements and owner's manual for the Stormceptor Water Quality Units.

PAVED AREAS

<u>Quarterly Maintenance</u>: Sweep, vacuum, or clean paved areas to reduce the amount of sediment entering the stormwater management system.

INFILTRATION BASINS WITH RIPRAP OVERFLOW SPILLWAYS

<u>Unscheduled Maintenance</u>: After rain events in excess of two inches, or after any snow or rain event accompanied by high winds, inspect the basin for debris. Remove any branches, trash, or other large debris that could interfere with the proper operation of the stormwater management system.

<u>General Maintenance</u>: Maintain the grassed side slopes of the basin through regular mowing. Keep the grass between three to six inches in length. Remove grass clippings to prevent them from impeding the flow of stormwater. During the spring and fall, remove any accumulated leaves from the basin including the rip rap overflow spillway. Reset any displaced rip rap.

<u>Quarterly Maintenance</u>: Inspect the basin for debris. Remove any branches, trash or other large debris that could interfere with the proper operation of the stormwater management system. Remove any accumulated sediment by the use of hand tools (rakes, shovels, wheelbarrows, etc.) when it exceeds three inches.

<u>Annual Maintenance</u>: Inspect the basin for debris. Remove any branches, trash or other large debris that could interfere with the proper operation of the stormwater management system. Remove any accumulated sediment by the use of hand tools (rakes, shovels, wheelbarrows, etc.) annually. Reset any displaced rip rap from the overflow spillway.

CULTEC 330XLHD INFILTRATION CHAMBERS (ROOF RECHARGE)

See attached on the following pages, the operation and maintenance requirements

<u>Semi Annual Maintenance (Spring And Fall)</u>: Check inlets and outlets for clogging and remove any debris that could interfere with the proper operation of the system.

REVISIONS

STORMWATER OPERATION + MAINTENANCE (O+M) PLAN

PAVED AREAS:

QUARTERLY MAINTENANCE: SWEEP, VACUUM, OR CLEAN PAVED AREAS TO REDUCE THE AMOUNT OF SEDIMENT ENTERING THE STORMWATER MANAGEMENT SYSTEM.

DEEP SUMP CATCH BASINS:

UNSCHEDULED MAINTENANCE: AT THE END OF FOLIAGE AND SNOW-REMOVAL SEASONS, INSPECT OR CLEAN THE BASIN. REMOVE ANY BRANCHES, TRASH OR OTHER LARGE DEBRIS THAT COULD INTERFERE WITH THE PROPER OPERATION OF THE STORMWATER MANAGEMENT SYSTEM. WHENEVER THE DEPTH OF DEPOSITS IS GREATER THAN OR EQUAL TO ONE HALF THE DEPTH FROM THE BOTTOM OF THE INVERT OF THE LOWEST PIPE IN THE BASIN, REMOVE ANY ACCUMULATED SEDIMENT WITH CLAMSHELL BUCKETS OR VACUUM TRUCKS.

QUARTERLY MAINTENANCE: INSPECT OR CLEAN THE BASIN. REMOVE ANY BRANCHES, TRASH OR OTHER LARGE DEBRIS THAT COULD INTERFERE WITH THE PROPER OPERATION OF THE STORMWATER MANAGEMENT SYSTEM. REMOVE ANY ACCUMULATED SEDIMENT WITH CLAMSHELL BUCKETS OR VACUUM TRUCKS.

INFILTRATION BASIN WITH OVERFLOW SPILLWAY:

UNSCHEDULED MAINTENANCE: AFTER RAIN EVENTS IN EXCESS OF TWO INCHES, OR AFTER ANY SNOW OR RAIN EVENT ACCOMPANIED BY HIGH WINDS, INSPECT THE BASIN FOR DEBRIS. REMOVE ANY BRANCHES, TRASH, OR OTHER LARGE DEBRIS THAT COULD INTERFERE WITH THE PROPER OPERATION OF THE STORMWATER MANAGEMENT SYSTEM.

GENERAL MAINTENANCE: MAINTAIN THE GRASSED SIDE SLOPES OF THE BASIN THROUGH REGULAR MOWING. KEEP THE GRASS BETWEEN THREE TO SIX INCHES IN LENGTH. REMOVE GRASS CLIPPINGS TO PREVENT THEM FROM IMPEDING THE FLOW OF STORMWATER. DURING THE SPRING AND FALL, REMOVE ANY ACCUMULATED LEAVES FROM THE BASIN INCLUDING THE RIP RAP OVERFLOW SPILLWAY. RESET ANY DISPLACED RIP RAP.

QUARTERLY MAINTENANCE: INSPECT THE BASIN FOR DEBRIS. REMOVE ANY BRANCHES, TRASH OR OTHER LARGE DEBRIS THAT COULD INTERFERE WITH THE PROPER OPERATION OF THE STORMWATER MANAGEMENT SYSTEM. REMOVE ANY ACCUMULATED SEDIMENT BY THE USE OF HAND TOOLS (RAKES, SHOVELS, WHEELBARROWS, ETC.) WHEN IT EXCEEDS THREE INCHES.

ANNUAL MAINTENANCE: INSPECT THE BASIN FOR DEBRIS. REMOVE ANY BRANCHES, TRASH OR OTHER LARGE DEBRIS THAT COULD INTERFERE WITH THE PROPER OPERATION OF THE STORMWATER MANAGEMENT SYSTEM. REMOVE ANY ACCUMULATED SEDIMENT BY THE USE OF HAND TOOLS (RAKES, SHOVELS, WHEELBARROWS, ETC.) ANNUALLY. RESET ANY DISPLACED RIP

CULTEC (330XLHD) INFILTRATION CHAMBERS (ROOF RECHARGE):

SEE FULL O&M REQUIREMENTS ATTACHED IN DRAINAGE REPORT.

<u>SEMI ANNUAL MAINTENANCE (SPRING AND FALL)</u>: CHECK INLETS AND OUTLETS FOR CLOGGING AND REMOVE ANY DEBRIS THAT COULD INTERFERE WITH THE PROPER OPERATION OF THE

STORMCEPTOR (STC 2400) WATER QUALITY UNITS:

SEE FULL O&M REQUIREMENTS ATTACHED IN DRAINAGE REPORT.

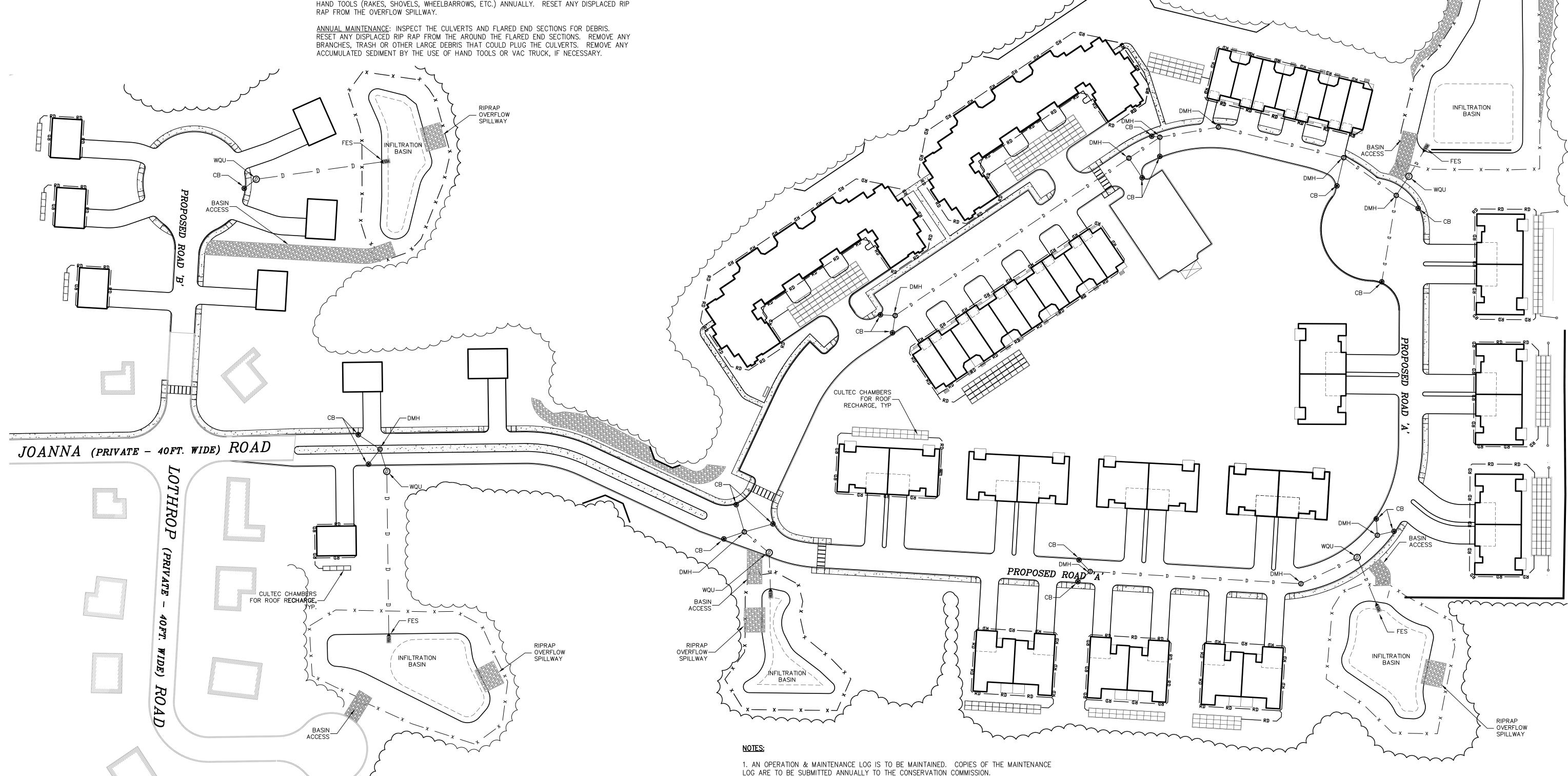
SEMI ANNUAL MAINTENANCE (SPRING AND FALL): CHECK INLETS, SEPARATION SCREENS AND OUTLETS FOR CLOGGING AND REMOVE ANY DEBRIS THAT COULD INTERFERE WITH THE PROPER OPERATION OF THE SYSTEM. REMOVE ANY ACCUMULATED SEDIMENT WITH VACUUM TRUCKS WHEN IT REACHES 50% OF THE CAPACITY IN THE SUMP.

LEGEND

WATER QUAILTY UNIT (WQU) FLARED-END SECTION WITH RIPRAP (FES)

CATCHBASIN (CB)

DRAIN MANHOLE (DMH)



3/6/2020 DATE	REVISIONS PER TOWN & CONSULTANT COMMENTS DESCRIPTION	PROJ. MANAGER: CHIEF DESIGNER: REVIEWED BY:	SEAL	SEAL	PREPARED FOR JOANNA HILLS LL 32 NORFOLK AVEN



MASSACHUSETTS

SOUTH EASTON

SCALE:

DATUM:

VERT.

HORZ.:

VERT.

HORZ.: 1"=50' GRAPHIC SCALE

LAND DEVELOPMENT & PERMITTING, CORP LAND DEVELOPMENT, TRANSPORTATION AND ENVIRONMENTAL SOLUT 770 BROADWAY SUITE 6 RAYNHAM, MA. 02767 P.508.297.2746 F.508.297.2756 EMAIL:info@MBLLandDevelopment.com

AVON

SITE PLANS OPERATION & MAINTENANCE BMP MAP CHAPTER 40B - JOANNA HILLS ESTATES ASSESSORS MAP C7, BLOCK 3 & PLOT 15

MASSACHUSETTS

OVERFLOW-SPILLWAY

O&M

PROJ. No.: 2016-002

DATE: MARCH 6, 2020