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DEP Transaction ID: 1186375

Date and Time Submitted: 3/27/2020 11:07:59 AM

Other Email :

Form Name: WPA Form 3 - NOI**Project Location**

City/Town Name: SUDBURY

location: 46 WASHINGTON DRIVE

General Description: INSTALLATION OF NEW SOIL ABSORPTION SYSTEM, INSTALL NEW WATER LINE, TREE REMOVAL, REESTABLISH LAWN AREA, REPLACE DRIVEWAY, REHAB ABANDONED PROPERTY

Applicant Information

Name: STEVE CLEMENTS

Company: CLEMENTS CONSTRUCTION

Address: P.O. BOX 367, WRENTHAM, MA, 02093

Payment Information

Your fee for the state share is \$: 0.00

If you have paid by credit card or ACH, thank you for your payment. If you are paying by check or money order, please send your check (payable to the Commonwealth of Massachusetts) to MassDEP, Box 4062, Boston, MA 02211

Additional Forms Submitted

WPA Form 3 - NOI (Fee Transmittal)(ONLINE ONLY)

Ancillary Document Uploaded/Mailed

46washingtonfiledocuments

Subsurface Sewage Disposal System

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Massachusetts Department of Environmental Protection

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Username: **MJDIMODICA**

Transaction ID: **1186375**

Document: **WPA Form 3 - NOI**

Size of File: **249.47K**

Status of Transaction: **In Process**

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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

Provided by MassDEP:

MassDEP File #:

eDEP Transaction #:1186375

City/Town:SUDBURY

A.General Information

1. Project Location:

a. Street Address	46 WASHINGTON DRIVE	c. Zip Code	01776
b. City/Town	SUDBURY	e. Longitude	71.45052W
d. Latitude	42.36219N	g.Parcel/Lot #	0434
f. Map/Plat #	K05		

2. Applicant:

☒ Individual ☐ Organization

a. First Name	STEVE	b.Last Name	CLEMENTS
c. Organization	CLEMENTS CONSTRUCTION		
d. Mailing Address	P.O. BOX 367		
e. City/Town	WRENTHAM	f. State	MA
g. Zip Code	02093	j. Email	clemconinc@verizon.net
h. Phone Number	508-922-9916	i. Fax	

3.Property Owner:

☐ more than one owner

a. First Name	STEVE	b. Last Name	CLEMENTS
c. Organization	CLEMENTS CONSTRUCTION		
d. Mailing Address	P.O. BOX 367		
e. City/Town	WRENTHAM	f.State	MA
g. Zip Code	02093	j.Email	clemconinc@verizon.net
h. Phone Number	508-922-9916	i. Fax	

4.Representative:

a. First Name	MIKE	b. Last Name	DIMODICA
c. Organization	M. J. DIMODICA EXCAVATING		
d. Mailing Address	19 CHRISTOPHER LANE		
e. City/Town	SUDBURY	f. State	MA
g. Zip Code	01776	j.Email	mjdmodica@verizon.net
h.Phone Number	978-443-8433	i.Fax	978-443-0682

5.Total WPA Fee Paid (Automatically inserted from NOI Wetland Fee Transmittal Form):

a.Total Fee Paid	165.00	b.State Fee Paid	70.00	c.City/Town Fee Paid	95.00
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6.General Project Description:

INSTALLATION OF NEW SOIL ABSORPTION SYSTEM, INSTALL NEW WATER LINE, TREE REMOVAL, REESTABLISH LAWN AREA, REPLACE DRIVEWAY, REHAB ABANDONED PROPERTY

7a.Project Type:

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Single Family Home | 2. <input type="checkbox"/> Residential Subdivision |
| 3. <input type="checkbox"/> Limited Project Driveway Crossing | 4. <input type="checkbox"/> Commercial/Industrial |
| 5. <input type="checkbox"/> Dock/Pier | 6. <input type="checkbox"/> Utilities |
| 7. <input type="checkbox"/> Coastal Engineering Structure | 8. <input type="checkbox"/> Agriculture (eg., cranberries, forestry) |
| 9. <input type="checkbox"/> Transportation | 10. <input type="checkbox"/> Other |

7b.Is any portion of the proposed activity eligible to be treated as a limited project subject to 310 CMR 10.24 (coastal) or 310

Massachusetts Department of Environmental Protection

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Provided by MassDEP:

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City/Town:SUDBURY

CMR 10.53 (inland)?

1. ☐ Yes ☒ No

If yes, describe which limited project applies to this project:

2. Limited Project

8. Property recorded at the Registry of Deeds for:

a. County:

b. Certificate:

c. Book:

d. Page:

SOUTHERN MIDDLESEX

19530

80

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

1. Buffer Zone & Resource Area Impacts (temporary & permanent):

☐ This is a Buffer Zone only project - 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)

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 Waterways

1. Square feet

2. square feet

3. cubic yards dredged

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

Dudley Brook

1. Name of Waterway (if any)

2. Width of Riverfront Area (check one)

☐ 25 ft. - Designated Densely Developed Areas only

☐ 100 ft. - New agricultural projects only

☒ 200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project

42,268

square feet

4. Proposed Alteration of the Riverfront Area:

5,000

1,200

3,800

a. total square feet

b. square feet within 100 ft.

c. square feet between 100 ft. and 200 ft.

Massachusetts Department of Environmental Protection

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5. Has an alternatives analysis been done and is it attached to this NOI?

☒ Yes ☐ No

6. Was the lot where the activity is proposed created prior to August 1, 1996?

☒ Yes ☐ No

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

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

4.Restoration/Enhancement

☐ Restoration/Replacement

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

a. square feet of BVW

b. square feet of Salt Marsh

5.Projects Involves Stream Crossings

☐ Project Involves Streams Crossings

Massachusetts Department of Environmental Protection

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Provided by MassDEP:

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City/Town:SUDBURY

If the project involves Stream Crossings, please enter the number of new stream crossings/number of replacement stream crossings.

a. number of new stream crossings

b. number of replacement stream crossings

C. Other Applicable Standards and Requirements

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage of Endangered Species program (NHESP)?

a. ☐ Yes ☒ No

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

Natural Heritage and Endangered Species
Program

Division of Fisheries and Wildlife

1 Rabbit Hill Road

Westborough, MA 01581

b. Date of map:AUG 2017

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18)....

c. Submit Supplemental Information for Endangered Species Review * (Check boxes as they apply)

1. ☐ Percentage/acreage of property to be altered:

(a) within Wetland Resource Area

percentage/acreage

(b) outside Resource Area

percentage/acreage

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

3. ☐ Project plans for entire project site, including wetland resource areas and areas outside of wetland 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

c. ☐ MESA filing fee (fee information available at: <http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/mass-endangered-species-act-mesa/mesa-fee-schedule.html>)

Make check payable to "Natural Heritage & Endangered Species Fund" and **mail to NHESP** at above address

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

d. ☐ Vegetation cover type map of site

e. ☐ Project plans showing Priority & Estimated Habitat boundaries

d. OR Check One of the following

1. ☐ Project is exempt from MESA review. Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, <http://www.mass.gov/eea/agencies/dfg/dfw/laws-regulations/cmr/321-cmr-1000-massachusetts-endangered-species-act.html#10.14>; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)

2. ☐ Separate MESA review ongoing.

a. NHESP Tracking Number

b. Date submitted to NHESP

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

Provided by MassDEP:

MassDEP File #:

eDEP Transaction #:1186375

City/Town:SUDBURY

3. ☐ Separate MESA review completed.

Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.

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

2. For coastal projects only, is any portion of the proposed project located below the mean high waterline or in a fish run?
- a. ☒ Not applicable - project is in inland resource area only

b. ☐ Yes ☐ No

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

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

North Shore - Hull to New Hampshire:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
836 S. Rodney French Blvd
New Bedford, MA 02744

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930

If yes, it 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.

3. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?

a. ☐ Yes ☒ No

If yes, provide name of ACEC (see instructions to WPA Form 3 or DEP Website for ACEC locations). **Note:** electronic filers click on Website.

b. ACEC Name

4. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?

a. ☐ Yes ☒ No

5. 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

6. 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, Explain why the project is exempt:

1. ☒ Single Family Home

Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

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

Provided by MassDEP:

MassDEP File #:

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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

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 by regular mail delivery.

1. ☒ USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
2. ☒ Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.
3. ☒ Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s).
4. ☒ Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.
4. ☒ List the titles and dates for all plans and other materials submitted with this NOI.

a. Plan Title: **b. Plan Prepared By:** **c. Plan Signed/Stamped By:** **c. Revised Final Date:** **e. Scale:**

SUDBSURFACE

PREPARED BY M. J.

SEWAGE DISPOSAL
SYSTEM

DIMODICA/STAMPED
BY JEFFREY BREM

March 20, 2020 1"=20

5. ☐ If there is more than one property owner, please attach a list of these property owners not listed on this form.
6. ☐ Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.
7. ☐ Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.
8. ☒ Attach NOI Wetland Fee Transmittal Form.
9. ☐ Attach Stormwater Report, if needed.

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

Provided by MassDEP:
MassDEP File #:
eDEP Transaction #:1186375
City/Town:SUDBURY

E. Fees

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

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

2. Municipal Check Number	3. Check date
4. State Check Number	5. Check date
6. Payer name on check: First Name	7. Payer name on check: Last Name

F. Signatures and Submittal Requirements

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

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

1. Signature of Applicant	2. Date
3. Signature of Property Owner(if different)	4. Date
5. Signature of Representative (if any)	6. Date

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 Section C, Items 1-3, 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
WPA Form 3 - Notice of Wetland Fee Transmittal
Form

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

Provided by MassDEP:
MassDEP File #:
eDEP Transaction #:1186375
City/Town:SUDBURY

A. Applicant Information

1. Applicant:

a. First Name	STEVE	b. Last Name	CLEMENTS
c. Organization	CLEMENTS CONSTRUCTION		
d. Mailing Address	P.O. BOX 367		
e. City/Town	WRENTHAM	f. State	MA
g. Zip Code	02093	j. Email	clemconinc@verizon.net
h. Phone Number	5089229916	i. Fax	

2. Property Owner:(if different)

a. First Name	STEVE	b. Last Name	CLEMENTS
c. Organization	CLEMENTS CONSTRUCTION		
d. Mailing Address	P.O. BOX 367		
e. City/Town	WRENTHAM	f. State	MA
g. Zip Code	02093	j. Email	clemconinc@verizon.net
h. Phone Number	5089229916	i. Fax	

3. Project Location:

a. Street Address	46 WASHINGTON DRIVE	b. City/Town	SUDBURY
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Are you exempted from Fee? ☐ (YOU HAVE SELECTED 'NO')

Note: Fee will be exempted if you are one of the following:

- City/Town/County/District
- Municipal Housing Authority
- Indian Tribe Housing Authority
- MBTA

State agencies are only exempt if the fee is less than \$100

B. Fees

Activity Type	Activity Number	Activity Fee	RF Multiplier	Sub Total
E.) WORK ON SEPTIC SYSTEM SEPARATE FROM HOUSE	1	110.00	RFA MULTIPLIER 1.5	165.00
		City/Town share of filling fee \$95.00	State share of filing fee \$70.00	Total Project Fee \$165.00

Request for Determination

NARRATIVE

46 Washington Drive

Map K05 Parcel 0434

The project consists of the replacement of an existing failed soil absorption system, replacement of an existing leaking water service, recapturing of the previously existing yard area including the removal of hazardous live and dead trees, the replacement in kind of the driveway surface, the addition of a deck and patio leading to a reduction of impervious area on the lot.

The subject parcel is located at 46 Washington Drive and improved with an existing four (4) bedroom dwelling constructed in 1970 situated on 42,268 s.f. The subject parcel is bisected by Dudley Brook and associated bordering vegetated wetland. The site has not been maintained for many years. There is a significant amount of invasive plant species that has grown on the site in the rear yard, on the slope between the house and the resource area and on the side lot line. All of these areas are shown on the plan and pictures attached.

The project consists of a proposed renovation of an existing four bedroom dwelling originally constructed in 1970, a new four (4) bedroom Soil Absorption System (SAS), removal of overgrown brush and trees, replacement of an existing water line, associated grading and landscaping.

The proposed renovation to the existing dwelling includes the removal of a wood framed deck and a concrete stairway into the side of the house. The proposal includes adding a 10' x 10' paver style patio and a 12' x 16' deck to the rear of the house. There is also an existing shed in the rear of the building that shall be removed. These changes will provide for a net decrease of impervious area of 191 s.f.

The work proposed is located in the inner and outer riparian zones as the entire lot is located in the riverfront area. The proposed soil absorption system shall be relocated further away from the resource areas (45ft existing – 57 ft. proposed from BVW) and the septic tank in the inner riparian zone and the leach field completely out of the inner riparian zone. The SAS is fully compliant with title 5, and proposes no change in design flow. The location shall require a variance from the local board of health regulations for offset to wetland resource area from 100 ft. to 57 ft.

A temporary silt fence or wattle barrier is proposed between all work areas and the resource area to provide protection of the resource area during construction from any erosion and until the area has been permanently stabilized. The proponent proposes to recapture the original yard area and remove trees as shown on the plan. A number of trees overhang the house, have split tops, are dead and a hazard to the house. These trees

are proposed to be removed and replaced per the bylaw with a number of shrubs, bushes and trees from the commissions plant list to match the proposed tree removal. The proponent also shall remove a significant amount of invasive plant species as located on the attached plans and pictures. The plants shall be removed by mechanical means. The plants are shown on the planting plan submitted.


The new SAS consists of a new 1,500 gallon septic tank and a new leach field (4 leaching drywells). This type of leaching field provides for a smaller footprint of disturbance. The soils were predominantly fine sands with water table visible at a depth of 10 ft. and a 3 min/in perc rate. The soil testing was witnessed by the Sudbury Board of Health. The work will require access from the front of the lot directly off of Washington Drive. Access shall be from the driveway location as shown on the plan. There will be minimal stockpiling onsite as all excess fill shall be trucked off site.

The parcel is located in a Zone 2.


The plan has been submitted to the town of Sudbury Board of Health and requires a variance for the offset to a wetland from 100 ft. to 57 ft.



46 WASHINGTON DRIVE - USGS MAP
Apple Rock



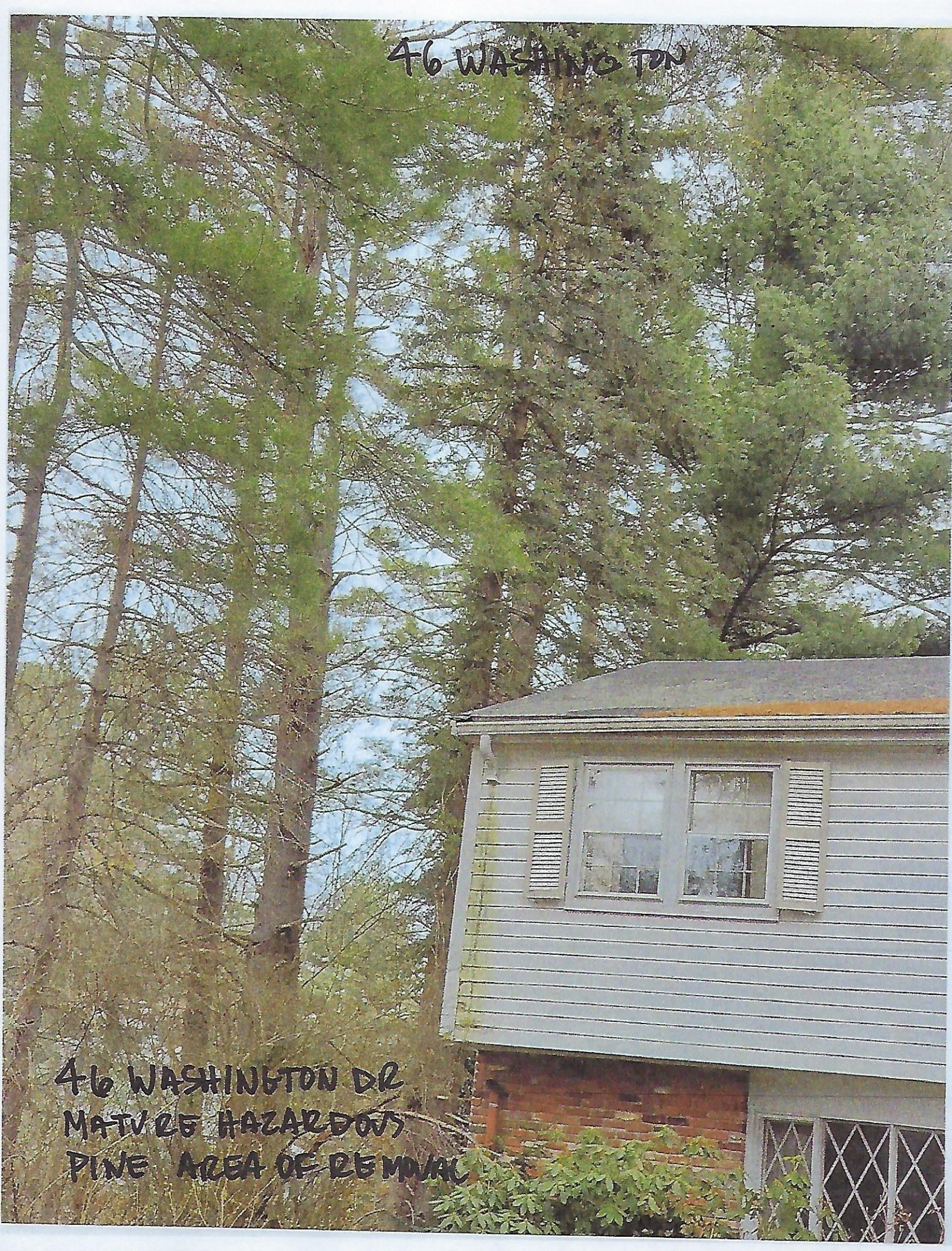
46 WASHINGTON PR
INVASIVE PLANTS
AREA OF REMOVAL
FRONT SIDE YARD



46 WASHINGTON DR
INVASIVE PLANT
REMOVAL AREA
REAR YARD

46 WASHINGTON

46 WASHINGTON DR
MAY 25 HAZARDOUS
PINE AREA OF REMOVAL



DEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Data Form

Applicant: Mike Dimodica Prepared by: Corey Van Wyhe Project Location: 46 Washington Dr., Sudbury

Check all that apply:

- ☒ Vegetation alone presumed adequate to delineate BWV boundary: fill out section I only
☐ Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out sections I and II
☐ Method other than dominance test used (attach additional information)

Section I. Vegetation

Observation Plot Number: 1 Transect Number: Date of Delineation: 3/05/2020

A. Sample Layer and Plant Species		B. Percent Cover (or basal area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category
Common Name	Scientific Name				
Groundcover					
Cinnamon Fern	<i>Osmunda cinnamomea</i>	20	50	Y	FACW*
Skunk Cabbage	<i>Symplocarpus foetidus</i>	20	50	Y	OBL*
Shrub					
Glossy Buckthorn	<i>Frangula alnus</i>	20	40	Y	FAC*
Highbush Blueberry	<i>Vaccinium corymbosum</i>	20	40	Y	FACW*
Sweetpepperbush	<i>Clethra alnifolia</i>	10	20	Y	FAC*
Sapling					
American Elm	<i>Ulmus americana</i>	20	100	Y	FACW*
Tree					
Red Maple	<i>Acer rubrum</i>	3.8	100	Y	FAC*

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk.

Vegetation Conclusion:

Number of dominant wetland indicator plants: 7 Number of dominant non-wetland indicator plants: 0

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? ☒ Yes ☐ No

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

DEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Data Form

Applicant: Mike Dimodica Prepared by: Corey Van Wyhe Project Location: : 46 Washington Dr., Sudbury Date: 3/5/2020

Check all that apply:

- ☒ Vegetation alone presumed adequate to delineate BWV boundary: fill out section I only
☐ Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out sections I and II
☐ Method other than dominance test used (attach additional information)

Section I. Vegetation

Observation Plot Number: 2 Transect Number: Date of Delineation: 3/05/2020

A. Sample Layer and Plant Species

B. Percent Cover (or basal area)

C. Percent

Dominance

D. Dominant Plant (yes or no)

E. Wetland

Indicator

Common Name	Scientific Name				Category
Groundcover					
Periwinkle	<i>Vinca minor</i>	80	100	Y	UPL
Shrub					
Forsythia	<i>Forsythia</i> sp.	50	66	Y	UPL
Glossy Buckthorn	<i>Frangula alnus</i>	25	33	Y	FAC*
Sapling					
White Pine	<i>Pinus strobus</i>	10	100	Y	FACU
Tree					
White Pine	<i>Pinus strobus</i>	2.7	100	Y	FACU

* Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus *Sphagnum*; plants listed as FAC, FAC+, FACW-, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk.

Vegetation Conclusion:

Number of dominant wetland indicator plants: 1 Number of dominant non-wetland indicator plants: 4

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? ☐ Yes ☒ No

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent.

Abutters List[print this list](#)

Date: March 23, 2020

Subject Property Address: 46 WASHINGTON DR Sudbury, MA

Subject Property ID: K05-0434

Search Distance: 100 Feet

Prop ID: K05-0029

Prop Location: WASHINGTON DR Sudbury, MA ✓

Owner: TOWN OF SUDBURY

Co-Owner: CONSERVATION

Mailing Address:

278 OLD SUDBURY ROAD
SUDBURY, MA 01776

Prop ID: K05-0415

Prop Location: 55 WASHINGTON DR Sudbury, MA ✓

Owner: HULLINGER MICHAEL J & SIOBHAN

Co-Owner:

Mailing Address:

55 WASHINGTON DR
SUDBURY, MA 01776

Prop ID: K05-0416 ✓

Prop Location: 47 WASHINGTON DR Sudbury, MA

Owner: MACKEEN J MICHAEL & JANE E

Co-Owner:

Mailing Address:

47 WASHINGTON DR
SUDBURY, MA 01776

Prop ID: K05-0417 ✓

Prop Location: 39 WASHINGTON DR Sudbury, MA

Owner: CHAI LI

Co-Owner:

Mailing Address:

39 WASHINGTON DR
SUDBURY, MA 01776

Prop ID: K05-0418

Prop Location: 31 WASHINGTON DR Sudbury, MA

Owner: HUME SCOTT D & ✓
Co-Owner: HUME YILVA DALING
Mailing Address:
31 WASHINGTON DR
SUDBURY, MA 01776

Prop ID: K05-0433 ✓
Prop Location: 34 WASHINGTON DR Sudbury, MA
Owner: PARKS ROBERT F & EMILY C
Co-Owner:
Mailing Address:
34 WASHINGTON DR
SUDBURY, MA 01776

Prop ID: K05-0435 ✓
Prop Location: 56 WASHINGTON DR Sudbury, MA
Owner: MARKS MICHAEL I & NANCY L
Co-Owner:
Mailing Address:
56 WASHINGTON DR
SUDBURY, MA 01776

Notice of Intent
Riverfront Alternative Analysis
46 Washington Drive
Map K05 Parcel 0434

The proposed project is located at 46 Washington Drive and is a proposed renovation project on a single family home originally constructed in 1970. A significant portion of the lot is located within the riverfront area. The dwelling, landscaping, trees, water line replacement, soil absorption system replacement, and shed have been neglected over the years and are proposed to be renovated, reconstructed and removed per the Notice of Intent (NOI) filing. The proposed work as listed in the NOI is for:

1. Rehab house with deck removal & replacement, paver patio installation, driveway replacement (no change in area or location) - Inner
2. Landscaping – removal of invasive species in the yard area and reestablishment of lawn area – Inner & Outer
3. Tree removal - Inner & Outer riparian zones
4. Replacement of an underground water line that is leaking – Inner
5. Soil Absorption System Replacement – Inner & Outer
6. Shed Removal – Outer

The following is alternative analysis for each of the areas of work proposed.

1. Rehab house – This work includes no change to the foot print of the house or change in use. There is no proposed increase in design flow. The proposal includes the removal of a deck and concrete steps in the inner riparian zone and the addition of a small deck and patio in the inner riparian zone. The alternative analysis included the replacement of the existing deck in the location it currently exists and to keep the side door entrance with associated concrete steps. There is no adverse impact associated with this work and should be considered an improvement. The alternative to this proposal was to raze the existing structure to move it further away from the hazardous trees and wetland resource areas.
2. Landscaping - The proposal includes the removal of invasive species from the yard area and reestablish the lawn area around the house. The proponent will remove the foundation shrubs along with invasives in the yard and along the side of the home. There is no adverse impact associated with this work and should be considered an improvement. The proponent will install new plantings on the westerly side of the lot in the area of the invasive plant removal and dead pine trees in the inner riparian zone.
3. Tree Removal – There are a significant amount of pine trees surrounding the house that are dead, have significant defects or overhang the house and some must be removed for utility installation and access for the SAS installation.. These pines are in both the inner and outer riparian zones and are shown on the chart attached. A significant amount of the trees proposed for removal (8) are dead and rotten at the base. The alternatives to removing the trees and replacing with

plantings are to trim the trees up that are alive and leave them, cut the trees and leave snags or, raze the existing dwelling and relocate a new dwelling further away from the tree hazard. The alternatives are not feasible for the development of the parcel. The project is a renovation for sale and a home buyer will not want to purchase this home with trees hanging over the roof and other trees within close proximity to the dwelling that may fall on the house or the snags sticking up. The proponent will replant the parcel with native plants per the Conservation Commission; remove invasive plant species as shown on the plan by mechanical means. These improvements shall be considered positive improvements for the resource area.

4. Underground Water Line Replacement – The exiting underground water line is leaking and must be replaced. Four (4) of the trees in the Inner Riparian Zone proposed for removal are in the area of the water line replacement. These trees must be removed to gain access to the rear of the house where the water line enters the basement. Unfortunately there is no full basement in the front of the house as this was an alternative we posed in lieu of excavating all the way around the side and to the rear of the house. The other alternative would be to relocate the water line to the opposite side of the house but it would still be in the Inner Riparian zone and in direct conflict with the electric and cable lines.
5. Soil Absorption System – The existing soil absorption system is located in the rear of the property and wholly in the inner riparian zone. The house has a small foundation under the rear and the rest of the house on a slab. The bathrooms and kitchen are located in the slab area and there is no access to the soil pipe to change the location to the front of the house. The site was reviewed for alternatives with the health director after soil evaluation was performed and considering utility location, fill depths, full foundation limits etc. The area proposed will have the septic tank in the inner riparian and the leaching field moved out of the inner riparian. One (1) tree in the Inner Riparian Zone and four (4) in the Outer Riparian Zone are required to be removed for access to install the SAS.
6. Shed removal – The shed is rotted and must be removed, no new shed is proposed. This will add to a net removal of impervious area in the riverfront area (see note 1).

In conclusion, the alternatives chosen along with the proposed mitigation shall provide no significant adverse impacts to the resource areas. This proposal will greatly improve the current conditions by removing invasive species, decreasing the amount of impervious area on the lot, replacing the failed soil absorption system and the replacement of the existing leaking water line.

Chart of Trees

First table: Left side of House-Inner Riparian Zone

Tree Size (in)	Tree Species	House Distance (ft)	Distance from Wetland (ft)	Compromised or Dead
48	Pine	45	52	Crook
36	Pine	15	42	Split, Lean
10	Pine	10	33	Dead
14	Pine	10	40	Overhang
24	Pine	15	26	Overhang
36	Pine	30	10	Dead
36	Pine	27	10	Dead
18	Pine	32	10	Dead
18	Pine	35	10	Dead
24	Pine	40	15	Dead
24	Pine	32	10	Rotten @ Base
24	Pine	15	25	
14	Birch	55	63	Dead

Second Table: Right Side- Outer Riparian

Tree Size (in)	Tree Species	House Distance (ft)	Distance from Wetland (ft)	Compromised or Dead
20	Pine	27	110	Double Top
14	Pine	12	110	Crook
4	Pine	2	102	Overhang
10	Tree	20	123	Lean to Hse
18	Pine	25	120	"
14	Pine	23	116	"
14	Pine	25	118	"
14	Pine	32	118	"
14	Pine	40	118	"
8	Pine	38	120	"
6	Pine	40	117	"
20	Oak	40	70	

Rusty's Tree Service
539 Hudson Road
Sudbury, MA 01776
978-443-9469

April 1, 2020

Town of Sudbury
Conservation Dept
275 Old Lancaster Road
Sudbury, MA 01776

Re: Tree Removal and Evaluation
46 Washington Drive

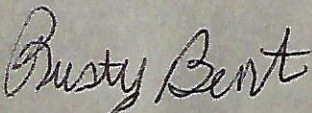
Dear Mrs. Capone:

Attached is the evaluation of the trees proposed for removal at the above referenced address. I have been out to the site to evaluate each tree proposed to be removed and represent that a significant majority of the trees are dead or very close to being deceased. The dead trees show signs of base rot and strangulation from invasive plants. The trees that are not dead are within 90 % of being deceased. The remaining trees pose significant threat to the current dwelling with either structural issues (crooks or split tops), are subject to uproot from the base or overhang the house significantly.

In conclusion, after reviewing the other significant trees on the site there are other trees not listed for removal that pose significant threat to the safety and wellbeing of the residents of the dwelling.

If you have any questions please feel free to contact me. Thank you.

Sincerely,



Rusty Bent
President

SUBSURFACE SEWAGE DISPOSAL SYSTEM - REPAIR
46 WASHINGTON DRIVE
SUDBURY, MA 01776

PREPARED FOR:
CLEMENT CONSTRUCTION
P.O. BOX 367
WRENTHAM, MA 02093
MARCH 20, 2020

20 10 0 20 40

SCALE: 1" = 20'

20 10 0 20 40

SCALE: 1" = 20'

PREPARED BY:

M. J. DIMODICA

19 CHRISTOPHER LANE, SUDBURY, MA 01776 • (508) 443-8433
mjdmodica@verizon.net

3-11-2020

SHEET OF