



**NOTICE OF PUBLIC MEETING
SUDBURY CONSERVATION COMMISSION**
Monday, August 8, 2022 at 6:45 PM
Virtual Meeting

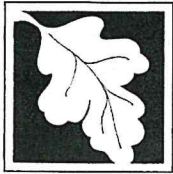
The Sudbury Conservation Commission will hold a public meeting to review the Request for Determination of Applicability filing under the Wetlands Protection Act and the Sudbury Wetlands Administration Bylaw to replace a residential septic system within the 100-foot Buffer Zone and 200-foot Riverfront Area at 96 Warren Road, in Sudbury, MA. Sandra Duggan, Applicant. The meeting will be held on Monday, August 8, 2022 at 6:45 pm, via Zoom.

Copies of the application may be reviewed on the Conservation Department web page at:

<https://sudbury.ma.us/conservationcommission/meeting/conservation-commission-meeting-monday-august-8-2022/>

Please contact the Conservation Office with any questions at 978-440-5470.

SUDBURY CONSERVATION COMMISSION
7/27/2022



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

Sudbury
City/Town

WPA Form 1- Request for Determination of Applicability

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

Received

JUL 26 2022

A. General Information

Sudbury Conservation Department

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



1. Applicant:

Sandra Duggan

Name

sandra.duggan@icloud.com

E-Mail Address

96 Warren Road

Mailing Address

Sudbury

City/Town

MA

State

01776

Zip Code

978-228-0683

Phone Number

Fax Number (if applicable)

2. Representative (if any):

Doucette Engineering, Inc.

Firm

Ted Doucette

Contact Name

doucette.engineering@comcast.net

E-Mail Address

152 Whitcomb Ave

Mailing Address

Littleton

City/Town

MA

State

01460

Zip Code

978-621-2138

Phone Number

Fax Number (if applicable)

B. Determinations

1. I request the Sudbury Conservation Commission make the following determination(s). Check any that apply:

- ☐ a. whether the **area** depicted on plan(s) and/or map(s) referenced below is an area subject to jurisdiction of the Wetlands Protection Act.
- ☐ b. whether the **boundaries** of resource area(s) depicted on plan(s) and/or map(s) referenced below are accurately delineated.
- ☒ c. whether the **work** depicted on plan(s) referenced below is subject to the Wetlands Protection Act.
- ☐ d. whether the area and/or work depicted on plan(s) referenced below is subject to the jurisdiction of any **municipal wetlands ordinance** or **bylaw** of:

Name of Municipality

- ☐ e. whether the following **scope of alternatives** is adequate for work in the Riverfront Area as depicted on referenced plan(s).



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D. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Request for Determination of Applicability and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge.

I further certify that the property owner, if different from the applicant, and the appropriate DEP Regional Office were sent a complete copy of this Request (including all appropriate documentation) simultaneously with the submittal of this Request to the Conservation Commission.

Failure by the applicant to send copies in a timely manner may result in dismissal of the Request for Determination of Applicability.

Name and address of the property owner:

Edward & Sandra Duggan

Name

96 Warren Road

Mailing Address

Sudbury

City/Town

MA

State

01776

Zip Code

Signatures:

I also understand that notification of this Request will be placed in a local newspaper at my expense in accordance with Section 10.05(3)(b)(1) of the Wetlands Protection Act regulations.

Sandra J. Duggan

Signature of Applicant

July 22, 2022

Date

Edward D. Duggan by Sandra Duggan
POA

Signature of Representative (if any)

Date

Town of Sudbury Conservation Commission
Request for Determination of Applicability
Narrative
96 Warren Road, Sudbury, Massachusetts
July 25, 2022

Attachments

Septic Design Plan: Sewage Disposal System Upgrade Design for 96 Warren Road, Sudbury, Massachusetts by Doucette Engineering, Ted P. Doucette, P.E. 20JUL22 revised 25JUL22

Background

The lot is located at 96 Warren Road, assessors Map 8 Lot 124. The house is to the east of Warren Road, between Raymond Road, and Lands End Lane built in 1971. The residence is a four-bedroom single-family home, with a short front yard, rear yard leading down to the resource area, and a paved driveway leading to the garage under on the right side of the house. The grade from street in the area of the proposed septic there is a gentle sloping grade with a rise of about four feet which then slopes down in the rear of the house to a bordering vegetated wetland. The wetland is associated with an unnamed brook. The resource areas delineated by Leah Basbanes, are the bordering vegetative wetland and the brook, the buffer zones and offsets are shown on the plan.

Based on the soil evaluation, and the grading of the site, it is clear that the lot was filled, to keep the house up out of the groundwater and for the septic system. The deep test holes conducted for the soil evaluation revealed four to six feet of fill, over a buried loam (A-horizon). The parent material (C-layer) was too deep to safely run a percolation test, in accordance with the DEP alternative to soil testing policy a sample was collected for laboratory analysis; the results determined the soil is a silt loam. The estimated seasonal high groundwater elevation is 66- 76 inches below grade.

The existing septic permit at the board of health is for a four-bedroom and is located to the left of the house, it consists of a septic tank and leach field, appears to have been constructed in the fill placed over the A-horizon.

Proposed work

The proposed work is to replace the existing septic system including installation of a new two-compartment monolithic septic tank, and soil absorption system consisting of a Presby EnviroSeptic (ES) soil absorption system. The design capacity of the proposed system is for four bedrooms, without capacity for a garbage disposal. The area where the system is proposed is currently lawn that will be restored following construction. The final grade over the septic system will be the same as existing conditions.

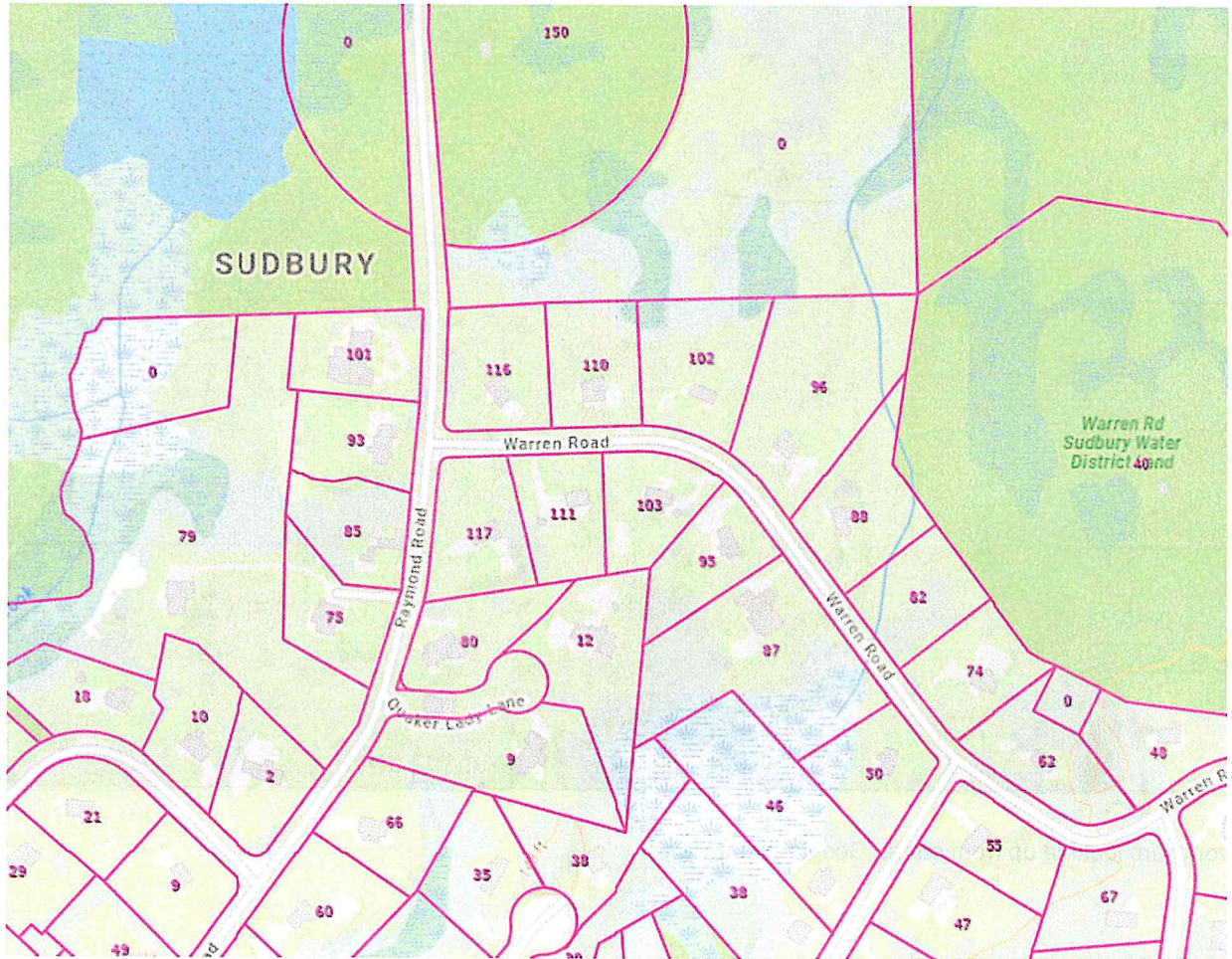
The application is for a Request for Determination of Applicability as all work and disturbance is proposed more than 50 feet from the resource area. The proposed work is to remove the existing septic tank and leach field. Wetland notes on the plan provide protections during construction including straw wattles to control potential erosion, and limitations on activities in the 100-foot buffer zone. Due to the size of the leach field, at least one, possibly two trees will need to be removed; one of them is at the bufferzone, and the other that must be removed is beyond the 100-foot buffer zone.

The disturbed areas will be returned to lawn after construction and erosion controls will be removed once the lawn has been established.

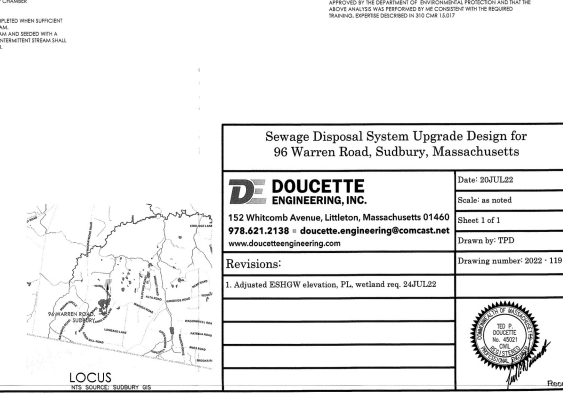
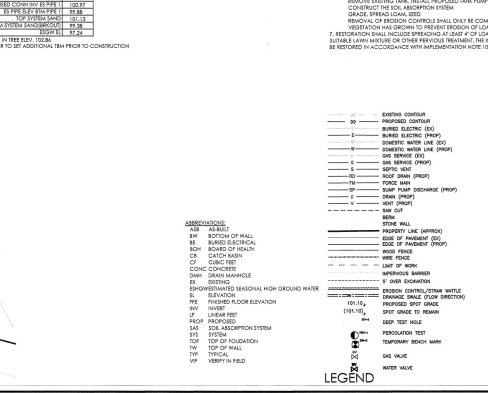
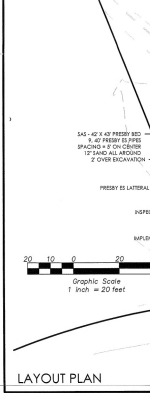
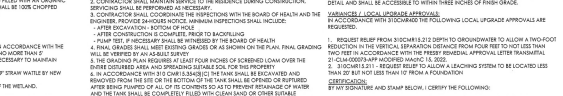
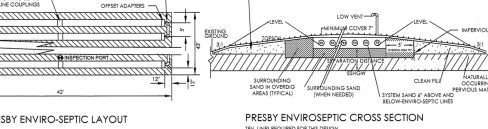
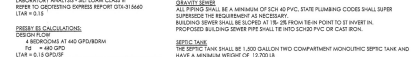
Design Considerations

The lot is about 2.2 acres, about half is the upland area around the house. The proposed location is the best for the septic system because it is as far from the wetland as reasonable. By replacing the existing system with a Presby ES SAS there is an improvement to the treatment capacity of the septic system; the Presby ES has been found to provide greater treatment than a conventional soil absorption system.


LOCUS
Request for Determination of Applicability – 96 Warren Road, Sudbury
July 25, 2022



Source: Mass GIS



DOUCETTE
ENGINEERING, INC.
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doucetteengineering.com

THE BOLLING TO WASHINGTON, D.C., ROUTING SLIP	
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