



NOTICE OF PUBLIC MEETING SUDBURY CONSERVATION COMMISSION

The Sudbury Conservation Commission will hold a public meeting to review the Request for Determination of Applicability filing, under the State Act and local Wetland Bylaw, to replace the existing septic system within the 100-foot Buffer Zone at 20 Revere Street. James Krumsiek, Applicant. The hearing will be held on Monday, April 5, 2021 at 6:45 pm, via remote participation

Please see the Conservation Commission web page for further information.

<https://sudbury.ma.us/conservationcommission/meeting/conservation-commission-meeting-monday-april-5-2021-2/>

SUDBURY CONSERVATION COMMISSION
March 17, 2021

Request for Determination of Applicability
Narrative
20 Revere Street, Sudbury Massachusetts
March 8, 2021

Attachments

Septic Plan: Sewage Disposal System Upgrade Design for 20 Revere Street, Sudbury, Massachusetts by Doucette Engineering, Ted P. Doucette, P.E. 11FEB2021 Rev

Background

The lot is located at 20 Revere Street, Assessor parcel R-05 / 406. The lot consists of a single-family home, and an open yard/lawn with wooded areas around the rear yard and side yard. The Resource Area is an intermittent stream as it is not shown on the latest USGS map, to the rear (north) of the house. The house is located to the south side of the lot, away from the stream with the failed septic system in the front yard. A paved driveway at the enters the from the west. The home is served by an town water, gas and underground electrical.

Soil tests indicate that the parent material at the property sand ouwash at depth about 38" to 96" where refusal was encountered. Indications of groundwater were found at 62" and there was not seeping or standing water, soil conditions are more thoroughly described on the enclosed plans. The percolation rate was less than 2 minutes per inch as the perc test could not be saturated

There existing permit at the board of health is for a three-bedroom septic system. There are no new structures and no new impervious areas proposed. The board of health reviewed the plan provided minor comments and the plan has been revised to address the comments.

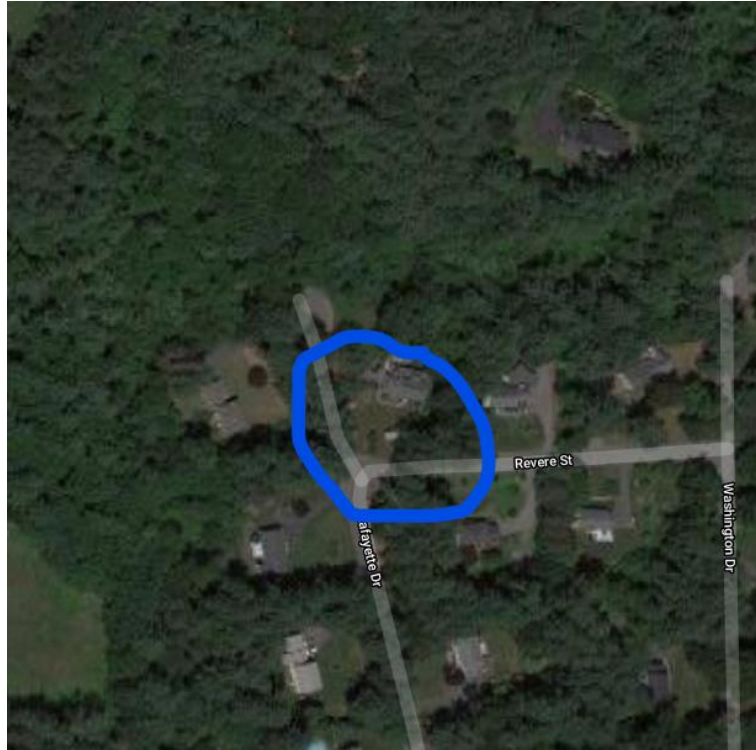
The existing system is in failure and has backed up sufficiently to discharge effluent to the surface. The system needs to be replaced as soon as practicable. With the current delays at DEP we are asking for approval under the Request for Determination as we have received on other projects in Sudbury, to allow the construction to start as soon as possible.

Proposed work

The proposed work is to replace the existing septic system which consists of a septic tank, pump chamber and a soil absorption system constructed from infiltrator chambers. The final grades will be about 12 – 18 inches higher than the existing grades due to required ground water offset requirement. The proposed system is conventional, but will provide better treatment than the existing system due to the groundwater offset being increased to meet the current requirements of Title 5. The existing system will be pumped and then excavated or crushed in place. All components will be located beyond the 50-foot wetland offset and the proposed soil absorption system will be outside of the 100-foot buffer zone. some fill and landscaping may extend into the 50-foot offset after the system is completed. Access by construction vehicles will be directly from the street.

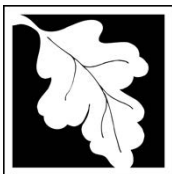
The resource area will be protected by limiting all work to be conducted beyond the 50-foot offset and the fact the soil stockpiles will be far enough from the resource area to prevent sediment from washing toward the resource area. The area of work will be minimized to the extent practicable to construct the system to minimize adverse affects to the resource area.

Aerial photograph



Front yard





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

A. General Information

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:

James and Mary Krumsiek

Name

jhkrumsiek@gmail.com

E-Mail Address

20 Revere Street

Mailing Address

Sudbury

City/Town

MA

State

01776

Zip Code

617-413-7108

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

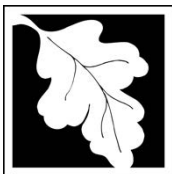
1. I request the Sudbury make the following determination(s). Check any that apply:
Conservation Commission

- ☐ 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:

Sudbury

Name of Municipality

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



WPA Form 1- Request for Determination of Applicability

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

C. Project Description

1. a. Project Location (use maps and plans to identify the location of the area subject to this request):

20 Revere Street

Street Address

Sudbury

City/Town

R-05

Assessors Map/Plat Number

406

Parcel/Lot Number

- b. Area Description (use additional paper, if necessary):

Residential home on Revere Street requiring an upgrade of their septic system.

- c. Plan and/or Map Reference(s):

Sewage Disposal System Upgrade Design 20 Revere Street Sudbury,
Massachusetts Revised 10MAR2021

11FEB21

Date

Photos

Title

Date

Assessor Map K05 Excerpt

Title

Date

2. a. Work Description (use additional paper and/or provide plan(s) of work, if necessary):

Remove and replace a failed septic system with a Title 5 Compliant system - see narrative.



Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

Sudbury
City/Town

WPA Form 1- Request for Determination of Applicability

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C. Project Description (cont.)

b. Identify provisions of the Wetlands Protection Act or regulations which may exempt the applicant from having to file a Notice of Intent for all or part of the described work (use additional paper, if necessary).

3. a. If this application is a Request for Determination of Scope of Alternatives for work in the Riverfront Area, indicate the one classification below that best describes the project.

- ☐ Single family house on a lot recorded on or before 8/1/96
- ☐ Single family house on a lot recorded after 8/1/96
- ☐ Expansion of an existing structure on a lot recorded after 8/1/96
- ☐ Project, other than a single-family house or public project, where the applicant owned the lot before 8/7/96
- ☐ New agriculture or aquaculture project
- ☐ Public project where funds were appropriated prior to 8/7/96
- ☐ Project on a lot shown on an approved, definitive subdivision plan where there is a recorded deed restriction limiting total alteration of the Riverfront Area for the entire subdivision
- ☐ Residential subdivision; institutional, industrial, or commercial project
- ☐ Municipal project
- ☐ District, county, state, or federal government project
- ☐ Project required to evaluate off-site alternatives in more than one municipality in an Environmental Impact Report under MEPA or in an alternatives analysis pursuant to an application for a 404 permit from the U.S. Army Corps of Engineers or 401 Water Quality Certification from the Department of Environmental Protection.

b. Provide evidence (e.g., record of date subdivision lot was recorded) supporting the classification above (use additional paper and/or attach appropriate documents, if necessary.)



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

City/Town _____

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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:

Name

James + Mary Kivmisiak

Mailing Address

20 Revere St.

City/Town

Salem

State

MA

Zip Code

01776

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.

Signature of Applicant

[Signature]

Date

2/4/2021

Signature of Representative (if any)

[Signature]

Date

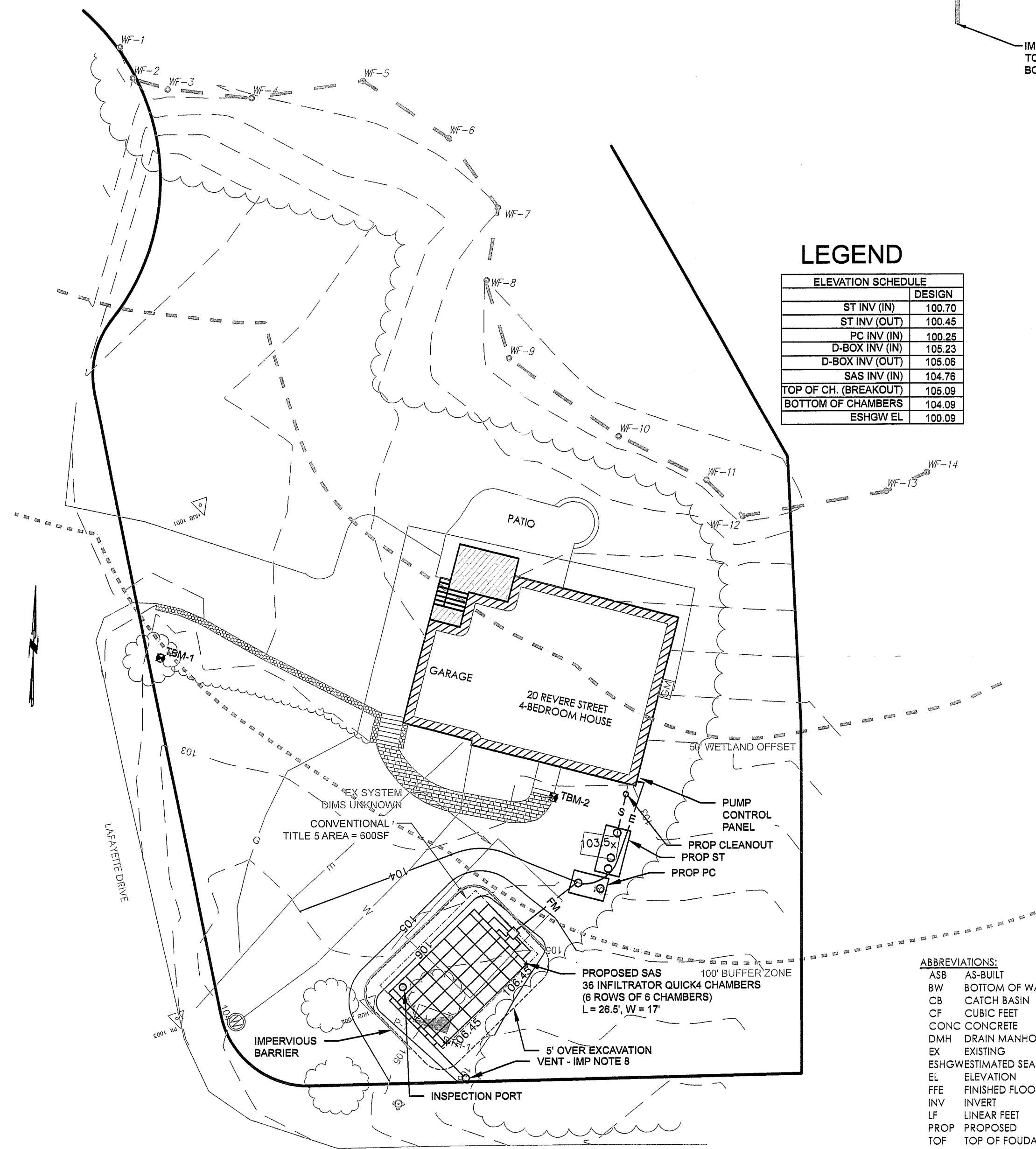
06/04/2021

PROPERTY INFORMATION
OWNER OF RECORD: JAMES & MARY KRUMSIEK
20 REVERE STREET
SUDBURY, MA 01776
MAP ID R-05/ 406
LOT AREA: 1.408 +/- AC
ZONING DISTRICT RES C & RES A
LOCAL BOARD OF HEALTH- TOWN OF SUDBURY
THIS PROPERTY IS NOT LOCATED WITHIN ZONE II
THIS PROPERTY IS NOT LOCATED WITHIN THE 100-YEAR FLOOD PLAIN
THIS PROPERTY IS NOT LOCATED WITHIN A NHESP PRIORITY HABITAT
THIS PROPERTY IS SERVED BY AN TOWN WATER
THIS SYSTEM IS NOT DESIGNED FOR A GARBAGE DISPOSAL

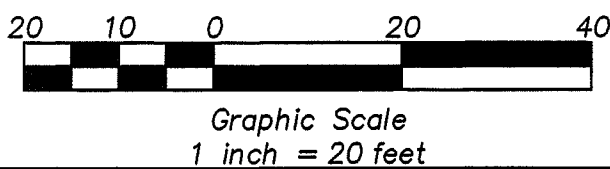
WETLAND NOTES
1. ALL WORK SHALL BE CONDUCTED IN COMPLIANCE WITH THE
CONDITIONS ISSUED BY THE LITTLETON CONSERVATION COMMISSION
2. FILL SHALL BE STORED OUTSIDE OF THE 100-FOOT BUFFER ZONE.
3. THERE SHALL BE NO DISPOSAL OR BURIAL OF CONSTRUCTION DEBRIS
WITHIN 100 FEET OF THE WETLAND. ANY DEBRIS THAT ENTERS THE BUFFER
ZONE OR RESOURCE AREA SHALL BE REMOVED BY HAND.
4. EQUIPMENT SHALL NOT BE FUELED WITHIN 100 FEET OF THE RESOURCE
AREA.
5. THE SEQUENCE OF CONSTRUCTION SHALL BE AS FOLLOWS
INSTALL PROPOSED TANK AND THE SOIL ABSORPTION SYSTEM
GRADE, SPREAD LOAM, SEED. REMOVAL OF EROSION CONTROLS
SHALL ONLY BE COMPLETED WHEN SUFFICIENT VEGETATION HAS
GROWN TO PREVENT EROSION OF LOAM.

TEMPORARY BENCH MARKS
TBM-2 PK IN TREE
EL = 103.76 (ASSUMED DATUM)

TBM-1 FRNT RT CORNER LOWER STEP
EL = 103.80 (ASSUMED DATUM)



LAYOUT PLAN

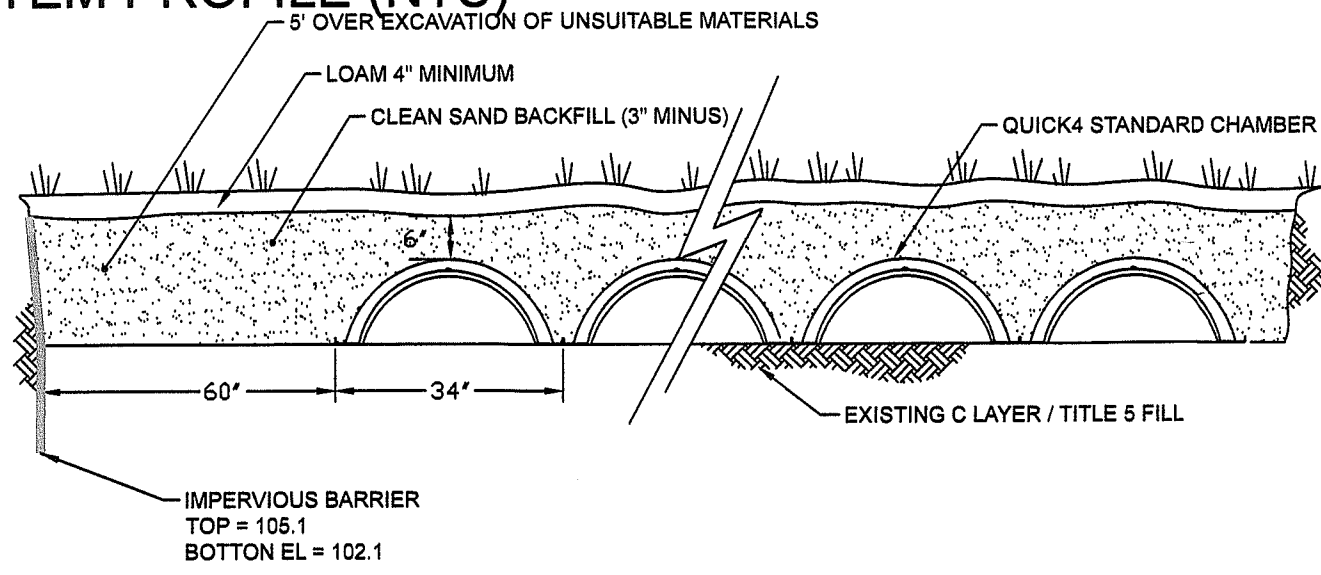


ABBREVIATIONS:
ASB AS-BUILT
BW BOTTOM OF WALL
CB CATCH BASIN
CF CUBIC FEET
CONC CONCRETE
DMH DRAIN MANHOLE
EX EXISTING
ESHGW ESTIMATED SEASONAL HIGH GROUND WATER
EL ELEVATION
FFE FINISHED FLOOR ELEVATION
INV INVERT
LF LINEAR FEET
PROP PROPOSED
TOP TOP OF FOUNDATION
TW TOP OF WALL
TYP TYPICAL
VIF VERIFY IN FIELD

SRM4 PUMP CURVE

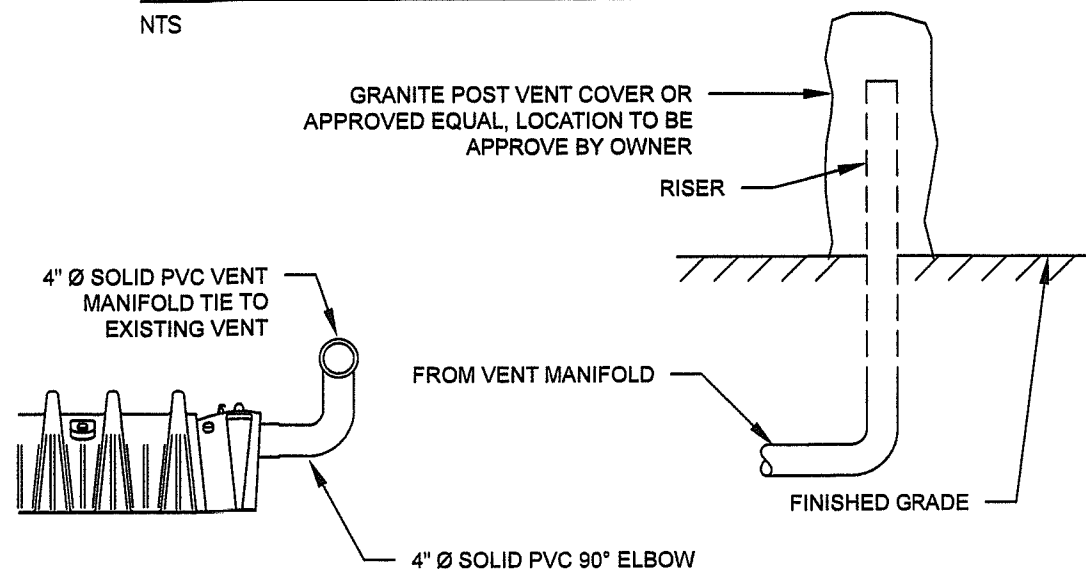
OPERATING POINT 8 FEET 20 GPM
PROVIDED AS A REGULATORY REQUIREMENT ONLY, NOT
INTENDED TO BE USED FOR PUMP SPECIFICATION

SYSTEM PROFILE (NTS)



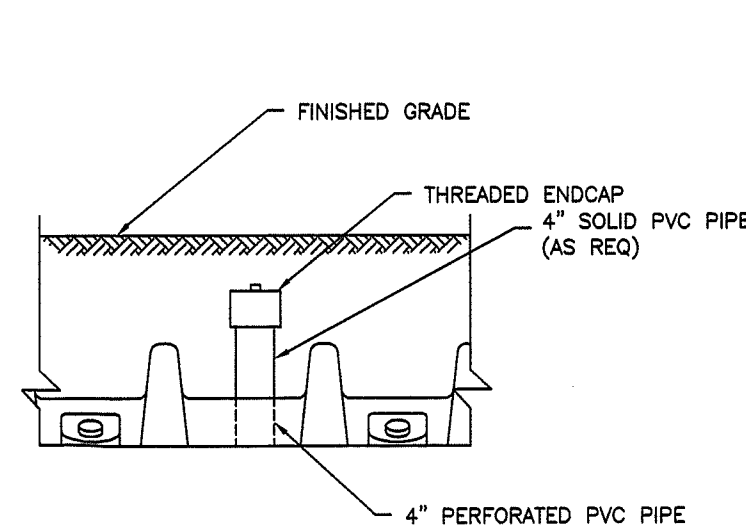
QUICK4 BED CROSS SECTION

NTS



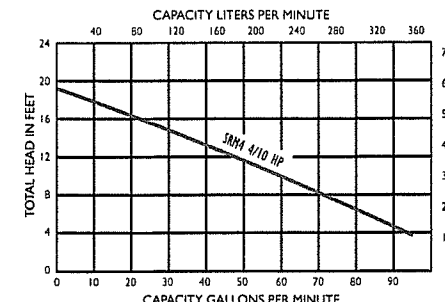
SOIL ABSORPTION SYSTEM VENT

NTS

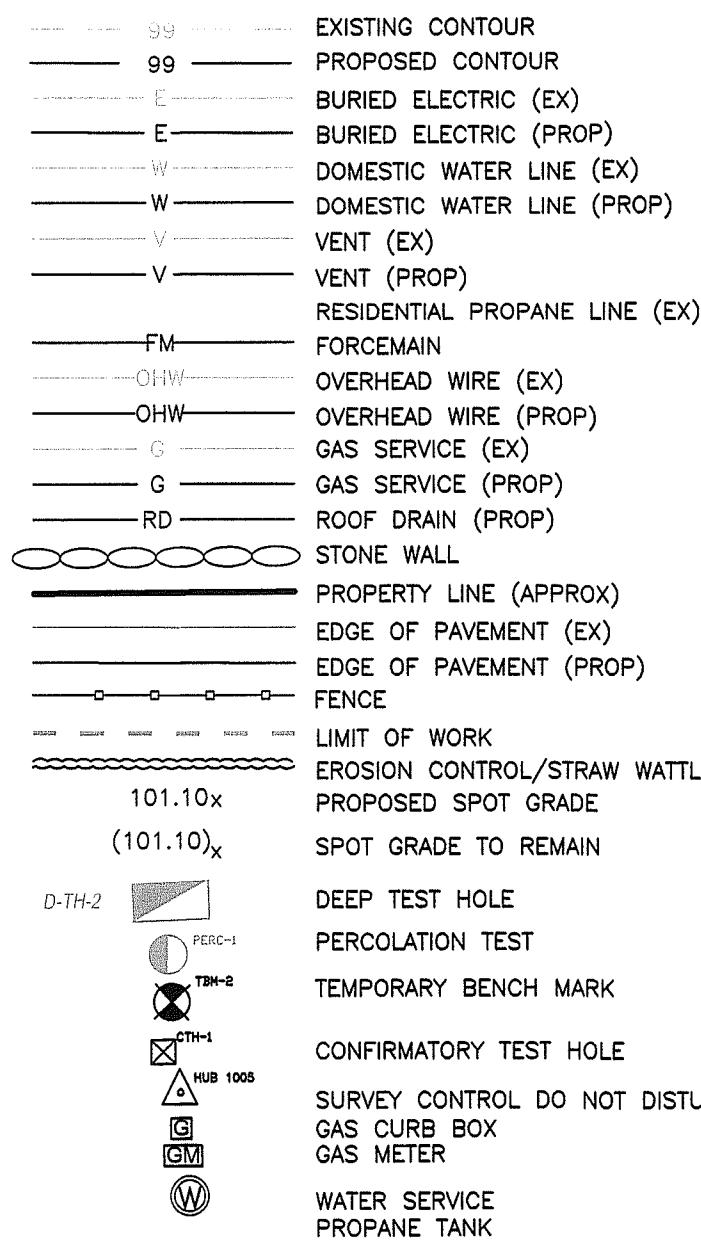


INSPECTION PORT DETAIL

NTS



LEGEND



LOCUS

NTS
SOURCE: MASS GIS

IMPLEMENTATION NOTES:

- CONTRACTOR SHALL CONTACT DIG SAVE AT 811 OR WWW.DIGSAFE.COM, NO LESS THAN 72 HOURS PRIOR TO STARTING THEIR WORK.
- THE EXISTING SYSTEM TANK SHALL BE PUMPED AND THEN REMOVED OR CRUSHED AND FILLED IN PLACE. THE EXISTING SOIL ABSORPTION SYSTEM SHALL BE EXCAVATED FOR A DISTANCE OF FIVE FEET FROM THE PROPOSED SYSTEM. OUTSIDE OF THIS LIMIT IT MAY BE ABANDONED IN PLACE.
- CONTRACTOR SHALL MAINTAIN SERVICE TO THE RESIDENCE DURING CONSTRUCTION. SERVICEING SHALL BE PERFORMED AS NECESSARY.
- CONTRACTOR SHALL COORDINATE THE INSPECTIONS WITH THE BOARD OF HEALTH AND THE ENGINEER. PROVIDE 24-HOURS NOTICE. MINIMUM INSPECTIONS SHALL INCLUDE:
 - AFTER EXCAVATION - BOTTOM OF HOLE
 - AFTER CONSTRUCTION IS COMPLETE, PRIOR TO BACKFILLING
 - PUMP TEST, IF NECESSARY SHALL BE WITNESSED BY THE BOARD OF HEALTH
 - FINAL GRADES SHALL MEET EXISTING GRADES OR AS SHOWN ON THE PLAN.
- IN ACCORDANCE WITH 310CMR15.245(3)(c) THE TANK SHALL BE EXCAVATED AND REMOVED FROM THE SITE, OR THE BOTTOM OF THE TANK SHALL BE OPENED OR RUPTURED AFTER BEING PUMPED OF ITS CONTENTS, AND THE TANK SHALL BE COMPLETELY FILLED WITH CLEAN SOIL.
- FINAL VENT LOCATION AND DECEIVER IF PROVIDED SHALL BE APPROVED BY THE OWNER

SOIL EVALUATION:

THE SOIL EVALUATION WAS CONDUCTED ON FEBRUARY 4, 2021 BY TED P DOUCETTE, AND WAS WITNESSED BY BOB LANDRY, SUDBURY HEALTH DEPARTMENT

DEEP TEST HOLE LOGS:

DTH-1 (EL = 105.26)
0 - 20" AP SANDY LOAM (FRIABLE)
20" - 38" B LOAMY SAND (FRIABLE)
38" - 96" AB MEDIUM SAND (LOOSE)

REDOXIMORPHIC FEATURES FOUND AT 62"
NO SEEPING, STANDING WATER
ESHGW = 100.09

LTAR = 0.74 GPD/SF
OFFSET FROM GW = 4.0'

PERCOLATION TEST	
DATE: 11FEB2021	TIME: A.M.
NUMBER: 1	2
LOCATION: DTH-1	
DEPTH OF PERC: 40"	
PRE SOAK: START 1005	
PRE SOAK: END CNS	
12"	
9"	
6"	
TIME 9"-6" (MIN)	
PERC RATE (MIN/IN) <2	

PUMP CALCULATIONS:

STATIC HEAD (SH)
D-BOX INLET EL = 105.23
PC BOTTOM EL = 96.12
STATIC HEAD = 9.11
FRICTION LOSS (FL)
FM LENGTH = 20 FT
FRICTION LOSS = 2.8 ft/100 ft
TOTAL FRICTION LOSS = 0.56
TDH = SH + FL = 9.67

ASSUME TDH = 11
DOSE VOLUME (DOSE) = 50 Gd
RUNBACK VOLUME = 3.5
TOTAL PUMP VOL = 54 Gd
VOLUME PER INCH = 21.9 GAL/IN
4. PUMP OPERATING POINT:
P = 20 GPM
TDH = 11 FEET
VOLUME PER INCH = 21.9 GAL/IN
5. FLOAT SETTINGS (STORAGE BETWEEN FLOATS)
INVERT = 48" (810 GAL)
ALARM = 11" (55 GAL)
PUMP ON = 8.5" (55 GAL)
PUMP OFF = 6" (131 GAL)
5. STORAGE VOLUME ABOVE ALARM
Vs (48" - 11") = 810 GAL
STORAGE VOLUME IS GREATER THAN 24-HR DESIGN FLOW.

VARIANCES

THE FOLLOWING VARIANCES ARE REQUESTED FROM TITLE 5:
• REQUEST RELIEF FROM 310CMR15.212 TO REDUCE THE GROUNDWATER OFFSET BY ONE FOOT FROM FIVE FEET TO FOUR FEET.

CERTIFICATION:

BY MY SIGNATURE AND STAMP BELOW, I CERTIFY THE FOLLOWING:

- THE SYSTEM DESIGN CONFORMS WITH THE MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION REVISED GENERAL USE CERTIFICATION FOR ALTERNATIVE SOIL ABSORPTION SYSTEMS DATED MARCH 5, 2018, TO THE REMEDIAL USE APPROVAL, COMPANY DESIGN GUIDANCE AND 310CMR15.
- THAT ON 13NOV2023 I HAVE PASSED THE SOIL EVALUATOR EXAMINATION APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THAT THE ABOVE ANALYSIS WAS PERFORMED BY ME CONSISTENT WITH THE REQUIRED TRAINING, EXPERTISE DESCRIBED IN 310 CMR 15.017

GENERAL NOTES:

- ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH 310CMR15, TITLE 5 OF THE STATE ENVIRONMENTAL CODE AND THE LOCAL BOARD OF HEALTH REGULATIONS.
- NO WORK SHALL BE CONDUCTED UNTIL ALL NECESSARY PERMITS ARE OBTAINED
- THE SEPTIC SYSTEM SHALL BE INSTALLED BY A CONTRACTOR LICENSED IN THE TOWN HAVING JURISDICTION.
- THIS PLAN IS INTENDED FOR THE INSTALLATION OF THE SEWAGE DISPOSAL SYSTEM ONLY. PROPERTY LINES SHALL BE CONSIDERED APPROXIMATE AND SHALL NOT BE USED FOR THE LOCATION OF STRUCTURES FENCES OR OTHER PROPERTY LINE OFFSETS
- NO CHANGES SHALL BE MADE TO THE APPROVED PLAN WITHOUT PRIOR APPROVAL OF THE LOCAL BOARD OF HEALTH AND THE ENGINEER.
- THIS SYSTEM IS NOT DESIGNED FOR THE USE OF A GARBAGE GRINDER.

SPECIFICATIONS:

GENERAL/ALL COMPONENTS

310CMR15, INFILTRATOR WATER TECHNOLOGIES DESIGN AND INSTALLATION MANUAL FOR INFILTRATOR CHAMBERS IN MASSACHUSETTS, AND THE SUDBURY BOARD OF HEALTH REGULATIONS SHALL BE CONSIDERED PART OF THESE SPECIFICATION. ALL MATERIALS AND METHODS SHALL MEET THESE SPECIFICATIONS
ALL PIPING SHALL BE 4" MINIMUM SCH40 PVC.
BUILDING SEWER SHALL BE IN ACCORDANCE WITH THE PLUMBING CODE, 24BCMR2.00
ALL JOINTS SHALL BE WATER TIGHT
ALL SEWAGE DISPOSAL ACCESS MANHOLES INCLUDING THE DISTRIBUTION BOX SHALL BE NO GREATER THAN NINE INCHES BELOW FINISHED GRADE.
IN ACCORDANCE WITH 310CMR15.221 ALL SYSTEM COMPONENTS SHALL BE MARKED WITH MAGNETIC MARKING TAPE OR COMPARABLE MEANS IN ORDER TO LOCATE THEM ONCE BURIED
RISERS FITTED WITH CAST-IRON MANHOLE FRAMES AND COVERS OR APPROPRIATE EQUIVALENTS SHALL BE AFFIXED TO ANY SYSTEM COMPONENT WITH A DEPTH GREATER THAN 9", BRINGING ACCESS TO A POINT 6" OR LESS FROM FINAL GRADE ELEVATION.
ALL ACCESS COVERS AT THE SURFACE SHALL BE STEEL FRAMES AND COVERS AND HAVE SUFFICIENT WEIGHT OR OTHERWISE BE SECURED TO PREVENT UNAUTHORIZED OPENING.
RISERS MAY BE PLASTIC OR CONCRETE.
ALL VENTS MUST BE LOCATED USING OWNER APPROVED VENT COVER INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. FINAL VENT LOCATION MUST BE APPROVED BY OWNER PRIOR TO INSTALLATION.

GRAVITY SEWER

ALL PIPING SHALL BE A MINIMUM OF SCH 40 PVC. STATE PLUMBING CODES SHALL SUPERSEDE THE REQUIREMENT AS NECESSARY.
BUILDING SEWER SHALL BE TIED INTO EXISTING CAST IRON OR PVC.

SEPTIC TANK

THE SEPTIC TANK SHALL BE 1,500 GALLON TWO COMPARTMENT MONOLITHIC SEPTIC TANK. FIRST COMPARTMENT SHALL BE MINIMUM OF 1000 GALLONS; SECOND COMPARTMENT SHALL BE MINIMUM OF 500 GALLONS
TEES SHALL BE IN ACCORDANCE WITH 310CMR15.227(6) - 1/4" BELOW FLOW LINE FOR 4" OPERATING DEPTH.
TANK SHALL BE SHEA TCM 15002C OR APPROVED EQUAL
RISERS, FITTED WITH CAST-IRON MANHOLE FRAMES AND COVERS OR APPROVED EQUIVALENTS, SHALL BE AFFIXED TO ANY SYSTEM COMPONENT WITH A DEPTH GREATER THAN NINE (9) INCHES, BRINGING THE ACCESS TO A POINT SIX (6) INCHES OR LESS FROM THE FINAL GRADE ELEVATION.
THE COVER OVER THE FILTER SHALL BE TO GRADE.

PUMP CHAMBER

THE PUMP CHAMBER SHALL BE 1,000 GALLON CONCRETE SEPTIC TANK BEF SHEA M1000 OR APPROVED EQUAL. ALL OPENINGS MUST BE SEALED WITH HYDRAULIC CEMENT. TANK MUST BE MONOLITHIC.
PUMP SHALL BE MYERS SRM-4 OR APPROVED EQUAL
PUMP CURVE PROVIDED AS A REGULATORY REQUIREMENT ONLY AND IS NOT REQUIRED FOR PUMP SELECTION
OPERATING POINT: TDH 11 FEET, AND 20 GPM
A BALL VALVE SHALL BE PLACED IN LINE ON THE FORCEMAIN WITHIN THE PUMP CHAMBER TO THROTTLE THE FLOW.
PUMP AND ALARM SHALL BE ON SEPARATE CIRCUITS

DISTRIBUTION BOX

THE DISTRIBUTION BOX SHALL BE CONCRETE. INVERT ELEVATIONS OF ALL OUTLETS SHALL BE EQUAL AND TWO INCHES BELOW THE INVERT OF THE INLET
OUTLET DISTRIBUTION LINES SHALL BE LEVEL FOR THE FIRST 2'.
THERE SHALL BE A MINIMUM SUMP OF 6" BELOW THE OUTLET INVERT.
DISTRIBUTION BOX ACCESS MANHOLES SHALL NOT BE MORE THAN 12 INCHES BUT NOT LESS THAN SIX INCHES BELOW GRADE.

SOIL ABSORPTION SYSTEM

WHEN THE CHAMBER ARE NOT COMPLETELY IN THE C LAYER, ALL UNSUITABLE MATERIAL, A, AND B LAYER, EXISTING SYSTEM AND ANY DELETERIOUS MATERIAL SHALL BE REMOVED FOR A DISTANCE OF FIVE FEET FROM THE LIMIT OF THE SOIL ABSORPTION SYSTEM.
ANY LEVELING COURSE OR INTERMEDIATE SAND FILTER LAYER OR SAND USED FOR THE SOIL ABSORPTION SYSTEM SHALL COMPLY WITH 310CMR15.255.
THE MINIMUM COVER OVER THE SOIL ABSORPTION SYSTEM SHALL BE 12" AND FILL SHALL BE FREE OF STONES, BOULDERS GREATER THAN 6"
THE SOIL ABSORPTION SYSTEM SHALL HAVE ONE INSPECTION PORT CONSISTING OF A PERFORATED 4" PIPE PLACED VERTICALLY DOWN INTO THE NATURALLY OCCURRING SOIL OR SAND FILL BELOW THE SOIL ABSORPTION SYSTEM.
IMPERVIOUS BARRIER SHALL BE 40 MIL PVC IN A CONTINUOUS SHEET.
THE SOIL ABSORPTION SYSTEM SHALL BE CONSTRUCTED WITH QUICK4 STANDARD CHAMBERS BY INFILTRATOR SYSTEMS, INC., OLD SAYBROOK CONNECTICUT.
BACKFILL AND COVER SOIL OVER THE TRENCHES SHALL NOT HAVE STONES LARGER THAN THREE INCHES AND SHALL BE CLEAN SAND.
EACH END OF THE QUICK 4 STANDARD ROWS SHALL HAVE A MULTIPORT END CAP INSTALLED.
CHAMBERS SHALL BE INSTALLED BY A PERSON CERTIFIED BY INFILTRATOR SYSTEMS IN ACCORDANCE WITH INFILTRATOR SEPTIC SYSTEM STANDARD INSTALLATION INSTRUCTIONS. ALL WORK SHALL BE CONDUCTED IN ACCORDANCE WITH THE INFILTRATOR MASSACHUSETTS DESIGN AND INSTALLATION MANUAL, THE INFILTRATOR GENERAL USE APPROVAL LETTER, DATED FEBRUARY 19, 2015 REVISED JUNE 12, 2015 AND THE STANDARD CONDITIONS LETTER DATED MARCH 5, 2018

Sewage Disposal System Upgrade Design for 20 Revere Street, Sudbury, Massachusetts

DOUCETTE
ENGINEERING, INC.

152 Whitcomb Avenue, Littleton, Massachusetts 01460
978.621.2138 • doucette.engineering@comcast.net
www.doucetteengineering.com

Revisions:

1. BoH comments, wetland notes, misc edits 12MAR2021

Date: 11FEB2021

Scale: as noted

Sheet 1 of 1

Drawn by: TPD

Drawing number: 2021 - 108

