

NOTICE OF PUBLIC MEETING
SUDBURY CONSERVATION COMMISSION
Monday, January 8, 2024 at 7:00 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 the existing septic system within the 100-foot Buffer Zone at 33 Ronald Road, in Sudbury, MA. Christopher Giunta, Applicant. The meeting will be held on Monday, January 8, 2024 at 7:00 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-january-8-2024/>

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

SUDBURY CONSERVATION COMMISSION
12/27/2024



Massachusetts Department of Environmental Protection
Bureau of Water Resources - Wetlands

WPA Form 1- Request for Determination of Applicability SUDBURY
Municipality

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:

CHRISTOPHER GIUNTA
First Name Last Name
33 RONALD RD
Address
SUDBURY MA 01776
City/Town State Zip Code
(781) 530-0078 chris.giunta@gmail.com
Phone Number Email Address

2. Property Owner (if different from Applicant):

SAME AS ABOVE
First Name Last Name
Address
City/Town State Zip Code
Phone Number Email Address (if known)

3. Representative (if any)

First Name Last Name
Company Name
Address
City/Town State Zip Code
Phone Number Email Address (if known)

B. Project Description

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

33 RONALD RD SUDBURY
Street Address City/Town
42.38949 -71.46009
Latitude (Decimal Degrees Format with 5 digits after decimal e.g. XX.XXXXX) Longitude (Decimal Degrees Format with 5 digits after decimal e.g. -XX.XXXXX)
604 418
Assessors' Map Number Assessors' Lot/Parcel Number

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

NEW LEACHING FIELD INDICATED ON DESIGN DRAWING

c. Plan and/or Map Reference(s): (use additional paper if necessary)

SUBSURFACE SEWAGE DISPOSAL SYSTEM (REPAIR) 12/20/2023
Title Date
Title Date

[How to find Latitude and Longitude](#)

[and how to convert to decimal degrees](#)



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B. Project Description (cont.)

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

EXCAVATION FROM EXISTING SEPTIC TANK TO NEW DISTRIBUTION BOX WILL RESIDE WITHIN THE 100' SETBACK FROM WETLANDS, STARTING APPROXIMATELY 70' AWAY AND MOVING FURTHER AWAY TOWARDS THE 100' SETBACK LINE (SEE DESIGN DRAWING) ALL OTHER EXCAVATION WILL RESIDE OUTSIDE OF THE 100' SETBACK

- 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.)



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C. Determinations

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

- a. whether the **area** depicted on plan(s) and/or map(s) referenced above 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 above are accurately delineated.
- c. whether the **Activities** depicted on plan(s) referenced above is subject to the Wetlands Protection Act and its regulations.
- d. whether the area and/or Activities depicted on plan(s) referenced above 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 Activities in the Riverfront Area as depicted on referenced plan(s).
- _____

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.

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.

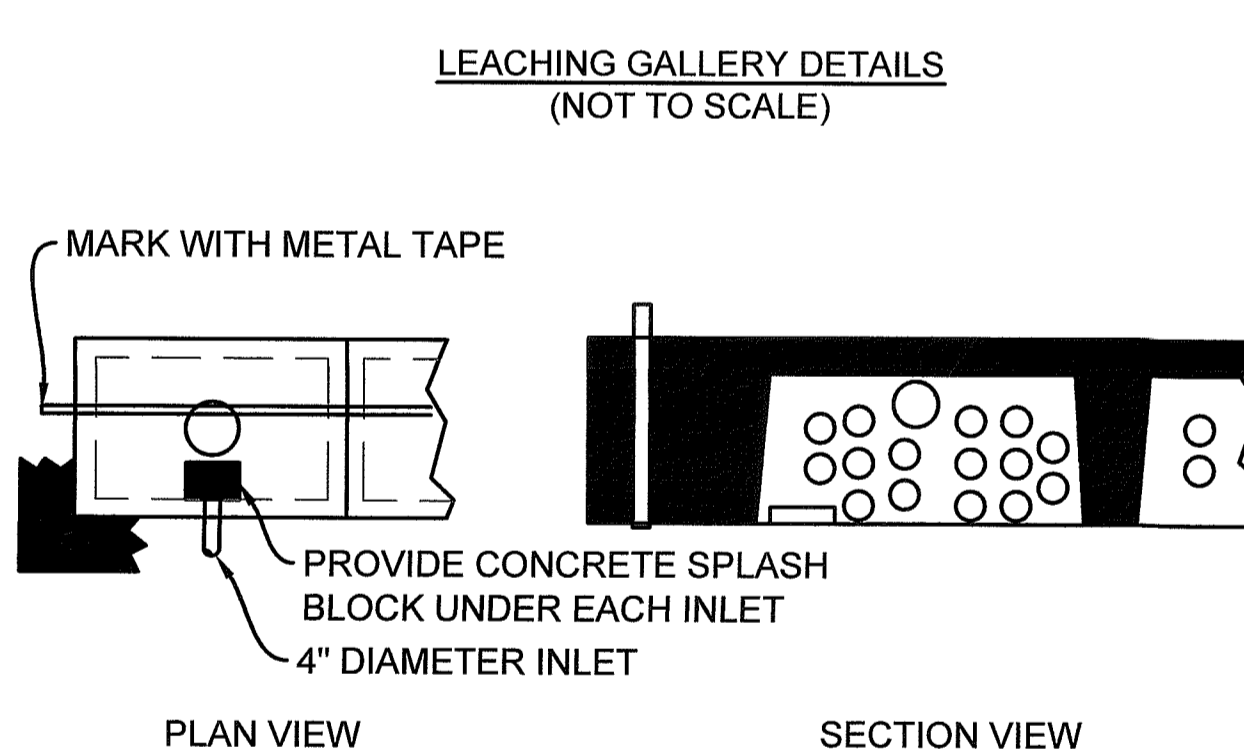
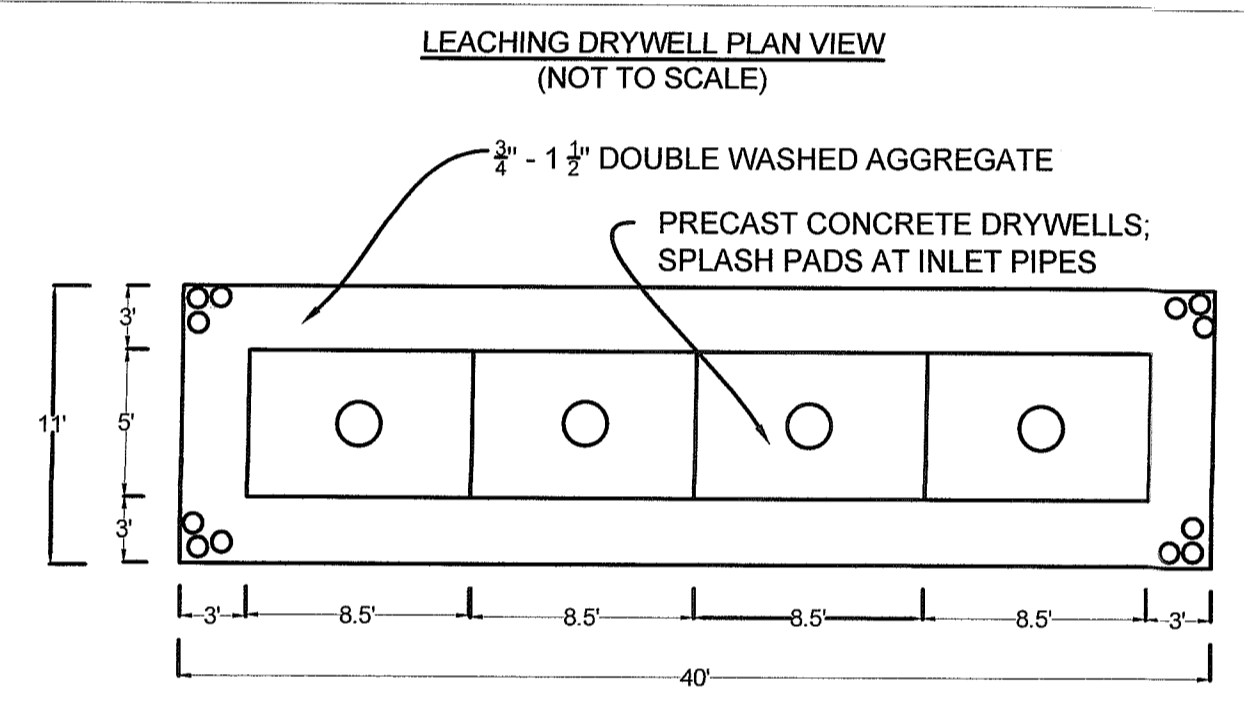
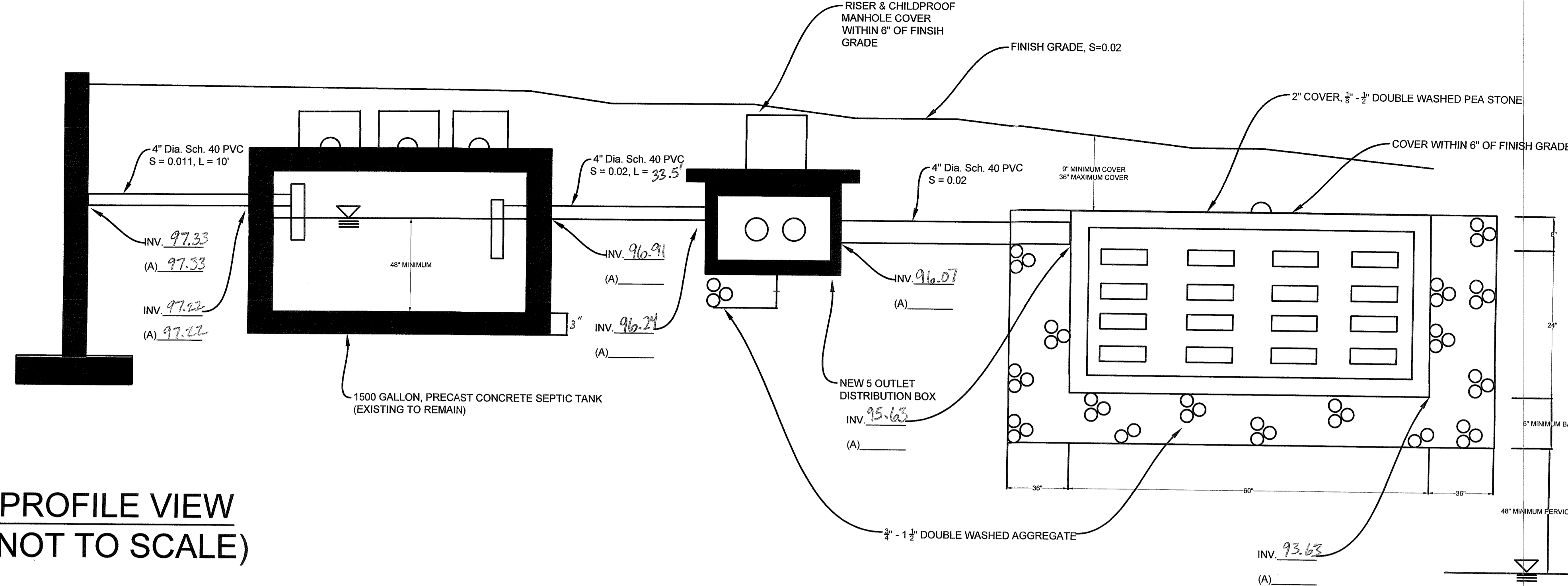
[Signature]
Signature of Applicant

12/22/23
Date

Signature of Representative (if any)

Date

**PROFILE VIEW
(NOT TO SCALE)**

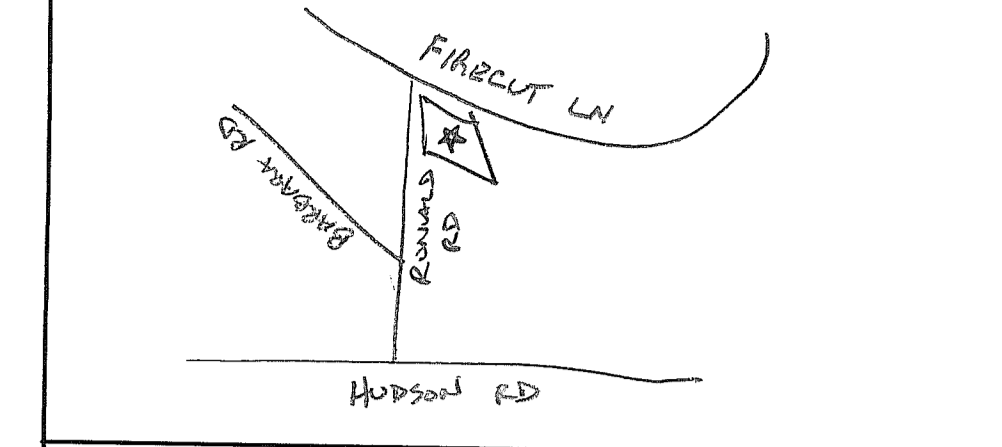


- SAS SHALL BE CONSTRUCTED ACCORDING TO 310 CMR 240 AND THE DETAILS ON THIS PLAN. SAS SHALL CONSIST OF LEACHING GALLIES ARRANGED AS SHOWN ON THIS PLAN
- GALLIES SHALL BE LaMARRE CONCRETE PRODUCTS OR APPROVED EQUAL
- BOTTOM AND SIDES OF EXCAVATION SHALL BE CLEAN, LEVEL, AND SCARIFIED
- FILTER STONE SHALL BE 3/4" - 1 1/2" DOUBLE WASHED
- 2" PEASTONE LAYER SHALL BE 3/8" - 1/2" DOUBLE WASHED

LOCAL UPGRADE APPROVAL WAIVERS

- 310 CMR 14.405(1)(a). Reduction in setbacks to property line from leaching field from 10' to 8'
- 310 CMR 14.405(1)(h). Reduction in the required 5' separation to 4' separation between the soil absorption system and the high groundwater elevation

LOCUS MAP RESIDENCE LOT



SCHEDULE OF ELEVATIONS

	DESIGN	AS-BUILT
INV. @ FOUNDATION	97.33	
INV. @ SEPTIC TANK INLET	97.22	
INV. @ SEPTIC TANK OUTLET	96.91	
INV. @ DIST. BOX INLET	96.24	
INV. @ DIST. BOX OUTLET	96.07	
INV. @ DRYWELL IN	95.63	
BOTTOM OF DRYWELL	93.63	

SOIL TEST DATA

DATE CONDUCTED: 12/12/23
PERFORMED BY: A. D. MERRILL
WITNESSED BY: R. LAZA

	DTH 1	DTH 2		
LS	A	FILL		
10/11/2	0-23"	0-42"		
LS	B	LS	A	
10/11/2	24-42"	43-58"		
SAND	C	SAND	C	
10/11/2	43-58"	59-76"		

PERCOLATION TEST DATA

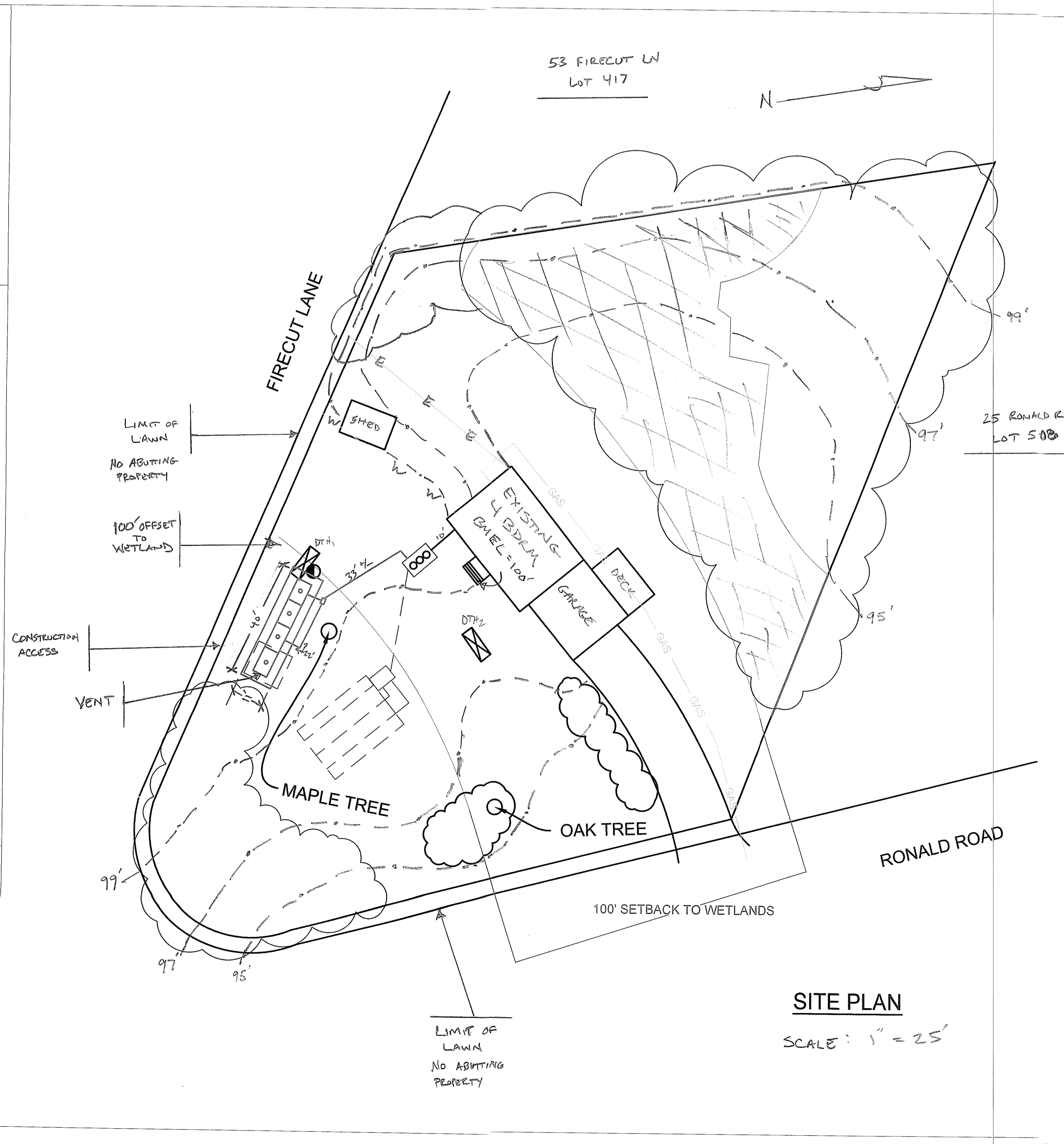
PERC. NO.	DATE	DEPTH	STABILIZATION RATE	WITNESSED BY
1	12/12/23			

DESIGN INFORMATION

DESIGN FLOW 450 GPD x 1.10 $\frac{\text{GPD}}{\text{GPM}} = 495 \text{ GPD}$
 DESIGN PERCOLATION RATE = 2 MPI
 DESIGN LOAD FACTORS
 SIDEWALL = 0.74 GAL/SF
 BOTTOM = 0.74 GAL/SF
 LEACHING AREA REQUIRED = 595 SF
 $A_{REQ} = 495 \div 0.74 = 595$
 LEACHING AREA PROVIDED
 SIDEWALL AREA = (2)(2)(4) = 204 SF
 BOTTOM AREA = (32)(14) = 448 SF
 TOTAL = 652 SF

SYSTEM CAPACITY
 SEPTIC TANK CAPACITY REQUIRED = 310 CMR 15.240 = 1500 GAL
 SEPTIC TANK CAPACITY PROVIDED = EXISTING TO REMAIN = 1500 GAL

NO.	DATE	REVISION DESCRIPTION	BY
DESIGN	CS	12/20/23	
DRAWN	CS	12/20/23	
CHECKED			
	BY	DATE	



NOTES

- ELEVATIONS REFER TO BENCHMARK; BM = TOP OF BOTTOM STAIR TO FRONT DOOR = 100.00' (TAKEN FROM 2003 SEPTIC AS-BUILT)
- ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF TITLE 5 OF THE MASSACHUSETTS STATE ENVIRONMENTAL CODE AND THE BOARD OF HEALTH REGULATIONS OF THE TOWN OF SUDBURY
- FINISH GRADING SHALL BE DONE IN ACCORDANCE WITH THE DETAILS AS SHOWN HERE ON
- HEAVY CONSTRUCTION SHALL NOT BE ALLOWED TO PASS OVER THE LEACHING AREA
- ALL WASHED STONE SHALL BE DOUBLE WASHED
- ALL TIGHT JOINT PIPING SHALL CONSIST OF POLYVINYL CHLORIDE (PVC) SCHEDULE 40 PIPE OR AS SPECIFIED
- THE SEPTIC TANK SHOULD BE INSPECTED ANNUALLY AND SHOULD BE PUMPED WHEN THE DEPTH OF SOLIDS EXCEEDS 1/3 OF THE LIQUID DEPTH OF THE TANK
- LIMIT OF EXCAVATION: ALL TOPSOIL, ORGANIC SUBSOIL AND DELETERIOUS MATERIAL SHALL BE EXCAVATED AND REMOVED FROM THE LEACHING AREAS AND TO A DISTANCE OF 5 FEET FROM THE PERIMETER OF SAID AREA AS SHOWN ON THE PLAN VIEW. BACKFILL AS REQUIRED WITH SUITABLE FILL
- ALL FILL MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF TITLE 5 OF THE MASS. STATE ENVIRONMENTAL CODE. FILL SHALL BE GRADED SO THAT LESS THAN 10% PASSING A NO. 4 SIEVE SHALL PASS A NO. 100 SIEVE. ALL FILL SHALL HAVE A PERCOLATION RATE OF LESS THAN TWO MINUTES PER INCH. ALL FILL SHALL BE APPROVED BY THE DESIGN ENGINEER AND THE AGENT FOR THE BOARD OF HEALTH
- ANY ALTERATION TO THE APPROVED SYSTEM DESIGN MUST BE APPROVED BY THE DESIGN ENGINEER AND SUBMITTED TO THE SUDBURY BOARD OF HEALTH FOR APPROVAL PRIOR TO CONSTRUCTION
- THE SYSTEM SHALL BE INSPECTED DURING CONSTRUCTION BY A REPRESENTATIVE OF THE DESIGN ENGINEER AND THE AGENT FOR THE SUDBURY BOARD OF HEALTH. A CERTIFIED FOUNDATION LOCATION PLAN WITH THE ELEVATION OF THE TOP OF THE FOUNDATION SHALL BE PROVIDED PRIOR TO ANY INSPECTIONS. THE DESIGN ENGINEER SHALL PREPARE FINAL AS-BUILT PLANS INCLUDING A CERTIFICATION THAT THE SYSTEM HAS BEEN LOCATED AND CONSTRUCTED IN COMPLIANCE WITH THE TERMS OF THE DISPOSAL WORKS CONSTRUCTION PERMIT IF REQUIRED
- NO SUBSURFACE DRAINS OR FOUNDATION DRAINS ARE PROPOSED
- THE FIRST TWO FEET OF HEADER PIPES TO THE LEACH FIELD ARE TO BE LEVEL
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, SIZE, AND ELEVATION OF ALL EXISTING UTILITIES SHOWN OR NOT SHOWN ON THESE PLANS PRIOR TO AND/OR DURING CONSTRUCTION. THE DESIGN ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION SO THAT REMEDIAL ACTION MAY BE TAKEN BEFORE PROCEEDING WITH THE WORK
- THE OWNER AND/OR CONTRACTOR SHALL VERIFY ALL ZONING REQUIREMENTS FOR CONFORMANCE PRIOR TO ANY CONSTRUCTION. THE LOCATION OF ALL STRUCTURES IS THE RESPONSIBILITY OF THE OWNER AND NOT THE SSDS DESIGNER. THE OWNER SHOULD UTILIZE THE SERVICES OF A PROFESSIONAL LAND SURVEYOR TO LOCATE ALL PROPOSED STRUCTURES
- COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF THE BOARD OF HEALTH, CONSERVATION COMMISSION, AND OTHER TOWN/CITY AGENCIES IS MANDATORY AND IS THE RESPONSIBILITY OF THE OWNER. THE OWNER IS HEREBY NOTIFIED THAT ANY CONSTRUCTION WITHIN 100 FEET OF A REGULATED WETLAND USUALLY REQUIRES AN ORDER OF CONDITIONS FROM THE CONSERVATION COMMISSION OR MASS. DEP PER 310 CMR ET. SEQ.
- ALL PRECAST STRUCTURES SHALL BE LaMARRE CONCRETE PRODUCTS OR APPROVED EQUAL
- ALL CONNECTIONS AND JOINTS SHALL BE MECHANICALLY SECURE AND TIGHT
- EXISTING SEPTIC TANK TO REMAIN. CONTRACTOR SHALL INSTALL NEW OUTLET TO DISTRIBUTION BOX
- CONTRACTOR SHALL PROVIDE A SET OF MARKED UP DRAWINGS DOCUMENTING THE LOCATION OF ALL NEW SYSTEM COMPONENTS AND THE CORRESPONDING GRADES
- EXISTING DISTRIBUTION BOX AND LEACHING FIELD TO REMAIN. CONTRACTOR SHALL CAP EXISTING OUTLET TO PREVENT FLOW TO EXISTING DISTRIBUTION BOX

LEGEND

LIMIT OF EXCAVATION	---	WETLANDS	
EXISTING BED	- - -	PLANTS / TREES / SHRUBS	
EDGE OF WETLAND	---		
GAS	GAS		
WATER	W		
ELECTRIC	E		
PERCOLATION TEST			
TEST HOLE			

SUBSURFACE SEWAGE DISPOSAL SYSTEM (REPAIR)

PREPARED FOR:
 CHRISTOPHER & MARIE GIUNTA
 33 RONALD RD.
 SUDBURY, MA 01776

DESIGNED BY:
 CHRISTOPHER GIUNTA, PE
 33 RONALD RD.
 SUDBURY, MA 01776