

Massachusetts Department of Environmental Protection
Bureau of Water Resources - Wetlands

WPA Form 1- Request for Determination of Applicability

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

Municipality _____

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:

First Name _____ Last Name _____

Address _____

City/Town _____ State _____ Zip Code _____

Phone Number _____ Email Address _____

2. Property Owner (if different from Applicant):

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):

Street Address _____ City/Town _____

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) _____

Assessors' Map Number _____ Assessors' Lot/Parcel Number _____

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

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

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):

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 Pelham _____ 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:

Pelham _____

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.

Mukul Mahorz _____
Signature of Applicant

18 June 2024 _____
Date

Signature of Representative (if any)

Date

WPA Form 1 Addendum

59 Meetinghouse Road Pelham Ma

B Project Description

1.

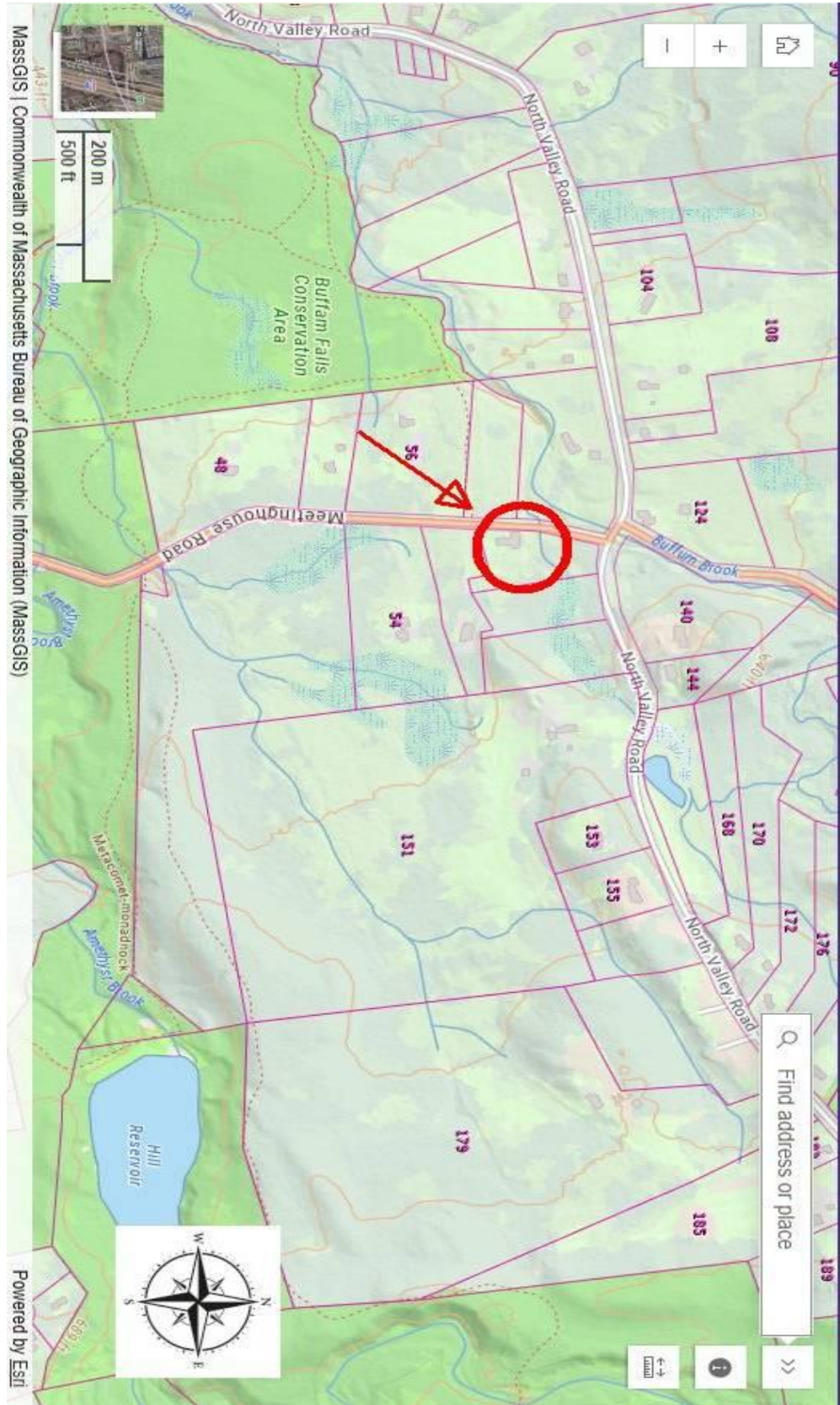
b. Area Description: The property consists of an existing developed residential lot located at 59 Meetinghouse Road, Pelham, Massachusetts. The site contains an existing single-family residence, driveway, lawn areas, and adjacent wooded land. Portions of the property are located within the 100-foot Buffer Zone and 200-foot Riverfront Area associated with a perennial stream and bordering wetland resource areas shown on the attached plan.

The proposed septic system replacement will be located within the area depicted on the attached engineered plan prepared by J & P Engineering Services. Existing site conditions in the work area consist primarily of maintained lawn and previously disturbed residential yard areas.

2.

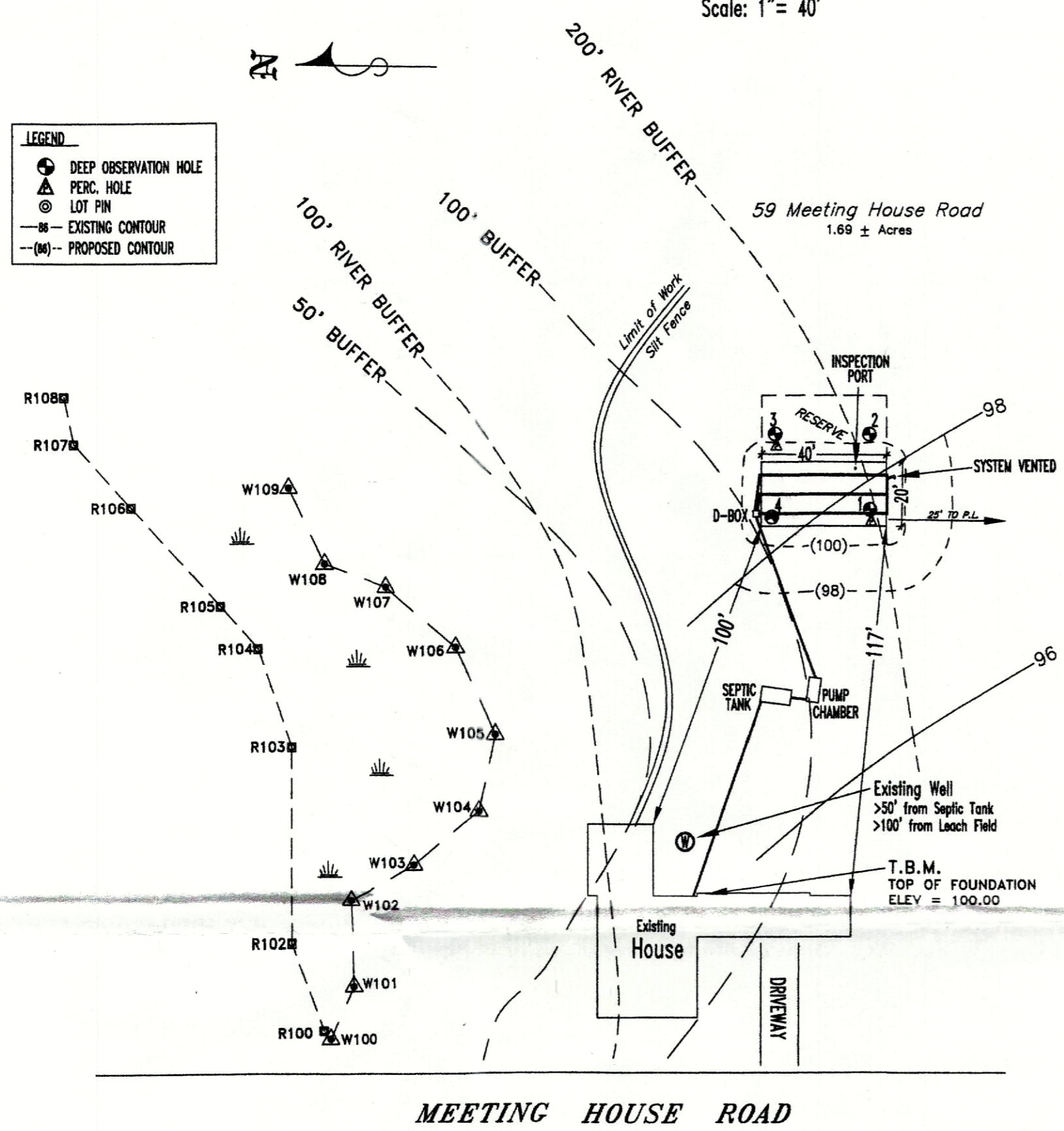
b. Applicant is not aware of any specific exemption under the Wetlands Protection Act or its regulations applicable to the proposed work. This Request for Determination of Applicability is being submitted to obtain a determination regarding the proposed septic system replacement and associated activities depicted on the attached plans.

Location Map



SEPTIC SYSTEM LAYOUT

Scale: 1" = 40'

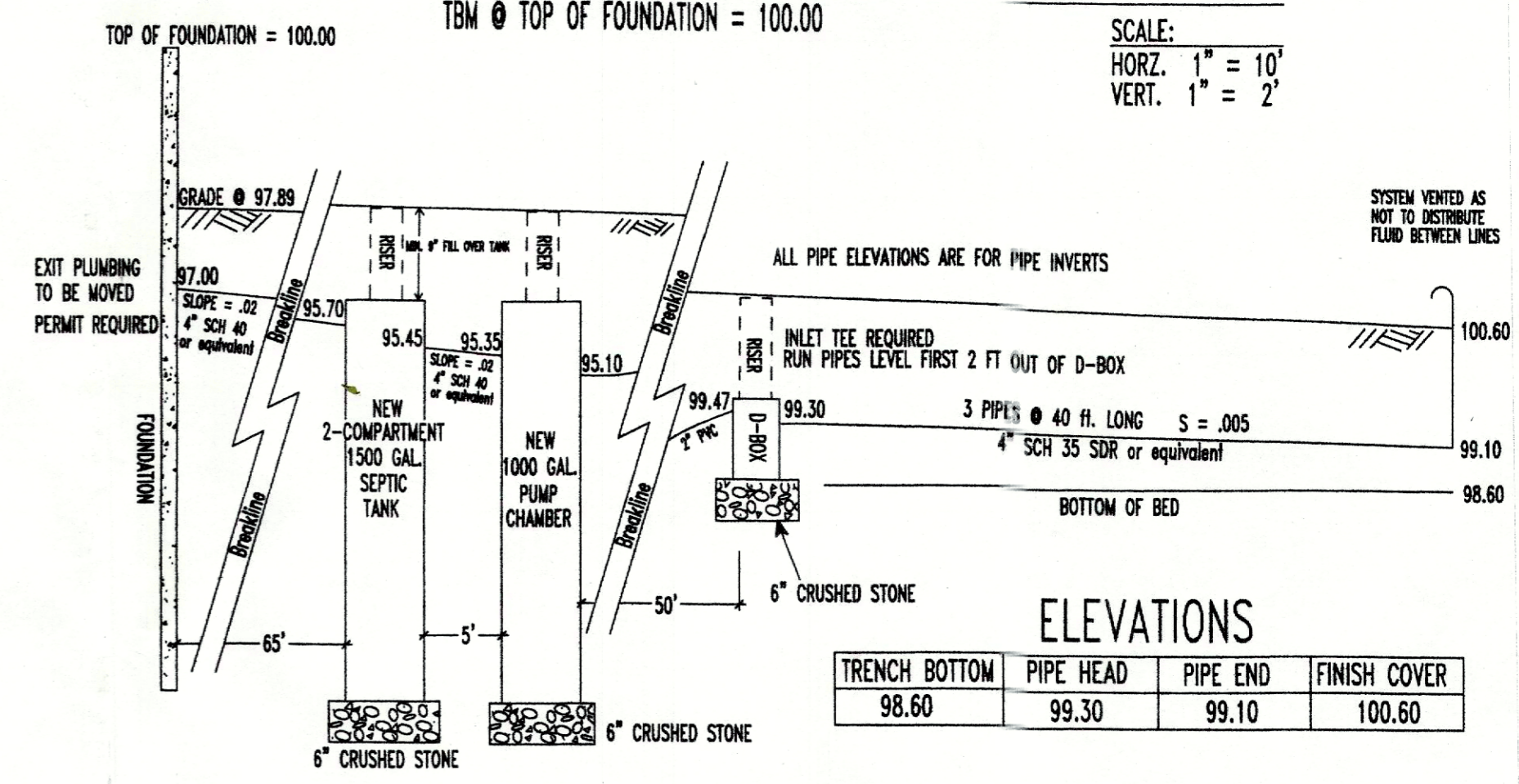


- LEGEND**
- DEEP OBSERVATION HOLE
 - ▲ PERC. HOLE
 - ⊙ LOT PIN
 - EXISTING CONTOUR
 - - - PROPOSED CONTOUR

NOTES

- 1) SEPTIC TANK SHALL HAVE INLET AND OUTLET TEES.
- 2) OUTLET TEE SHALL HAVE AN EFFLUENT FILTER.
- 3) D-BOX SHALL HAVE MINIMUM 12" INSIDE WIDTH AND 6" SUMP BELOW OUTLET INVERT.
- 4) ACCESS MANHOLES TO SEPTIC TANK SHALL BE WITHIN 6" OF FINISHED GRADE.
- 5) D-BOX OUTLET PIPES SHALL BE LEVEL A MINIMUM OF 2 FEET.
- 6) NO END CAPS ON PIPES, FOR VENTED SYSTEMS.
- 7) ELEVATIONS ARE TO INVERTS UNLESS NOTED.
- 8) NO OTHER WELLS OR WETLANDS OBSERVED WITHIN 200' OF SEPTIC SYSTEM.
- 9) ALL LOAM, SUBSOIL AND OTHER IMPERVIOUS MATERIAL SHALL BE REMOVED WITHIN 5 FEET OF LEACHING FACILITY. SHALL MEET SPECIFICATIONS OF TITLE V, 15.255(3).
- 10) FILL WITHIN 5 FEET OF LEACHING FACILITY SHALL MEET SPECIFICATIONS OF TITLE V, 15.255(3).
- 11) FINISH GRADE ABOVE AND ADJACENT TO SYSTEM SHALL SLOPE AT LEAST 2% TO PREVENT ACCUMULATION OF SUBSURFACE WATER.
- 12) DISTRIBUTION BOX SHALL HAVE AN INLET TEE OR BAFFLE EXTENDING TO ONE INCH ABOVE THE OUTLET INVERT ELEVATION PROVIDED TO DISSIPATE THE VELOCITY OF THE INFLUENT.
- 13) SEPTIC TANK SHOULD BE INSPECTED ANNUALLY.
- 14) ALL PIPES SHALL BE EITHER ASTM D-3034 (SDR35), ASTM D-2665 (SCHEDULE 40) OR AS NOTED.
- 15) ALL WASTEWATER SHALL FLOW INTO THE SEPTIC TANK. WITH THE EXCEPTION OF WATER SOFTENERS/CONDITIONERS.
- 16) LOT LINES PLOTTED FOR SEPTIC LOCATION ONLY. PLOT PLAN IS NOT AN ACTUAL SURVEY.
- 17) NO CONSTRUCTION OF PERMANENT STRUCTURE ALLOWED OVER SEPTIC SYSTEM.
- 18) CALL 1-888-DIG-SAFE BEFORE STARTING SITE WORK.
- 19) MAGNETIC TAPE REQUIRED OVER ALL SYSTEM COMPONENTS.
- 20) METAL REBAR REQUIRED AT DISTRIBUTION BOX AND FOUR CORNERS OF BED.
- 21) GAS BAFFLE REQUIRED BETWEEN COMPARTMENTS OF SEPTIC TANK.
- 22) MANHOLE COVER OVER TANK OUTLET TEE SHALL BE RAISED TO FINISHED GRADE.
- 23) BOTTOM INSPECTION REQUIRED BY ENGINEER AND BOARD OF HEALTH AGENT BEFORE PLACEMENT OF FILL.

SEPTIC SYSTEM PROFILE



ELEVATIONS

TRENCH BOTTOM	PIPE HEAD	PIPE END	FINISH COVER
98.60	99.30	99.10	100.60

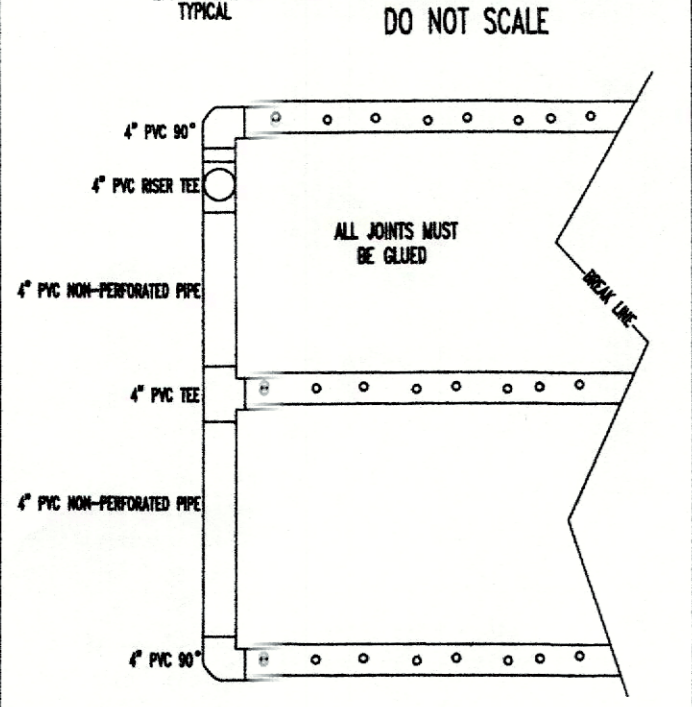
SITUATION:

REPAIR OF SAS AT 59 MEETING HOUSE ROAD. 4 BEDROOM DWELLING, NO GARBAGE GRINDER. PERC RATE AT HOLE 1 OF 10 MINUTES PER INCH. DOP = 41" TO BOTTOM. PERC TEST DATE: 02/22/24. BOARD OF HEALTH WITNESS: ROGER BACON. SOIL EVALUATOR: NEIL JACKSON, CERTIFIED MAY, 1998. 4 BEDROOMS @ 110 GAL. TOTAL = 440 GAL.

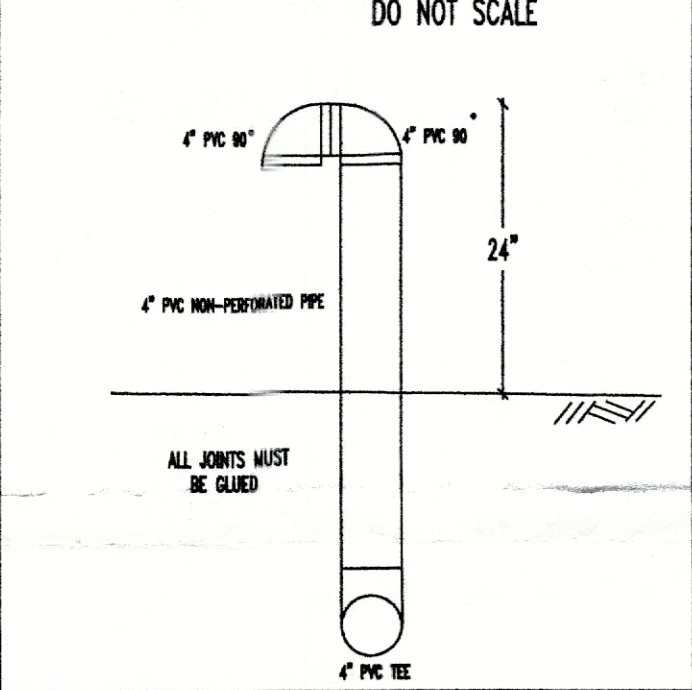
ESTIMATED AVERAGE DAILY FLOW BASED ON 1995 TITLE 5 REGULATIONS LEACHING SYSTEM IS TO CONSIST OF A 20 FT. X 40 FT. LEACHING BED, WITH 3 DISTRIBUTION LINES, WITH A MINIMUM OF 6 INCHES OF STONE THROUGHOUT BED. DESIGN CALCULATIONS:

SOIL CLASS II -- 10 MIN./IN = 0.60 GAL/FT²
 BOTTOM AREA: 20' x 40' = 800 FT²
 SIDE AREA: NOT ALLOWED IN BEDS
 TOTAL = 800 FT² = 480 GALLONS CAPACITY
 480 GAL. DESIGN > 440 GAL. REQUIRED

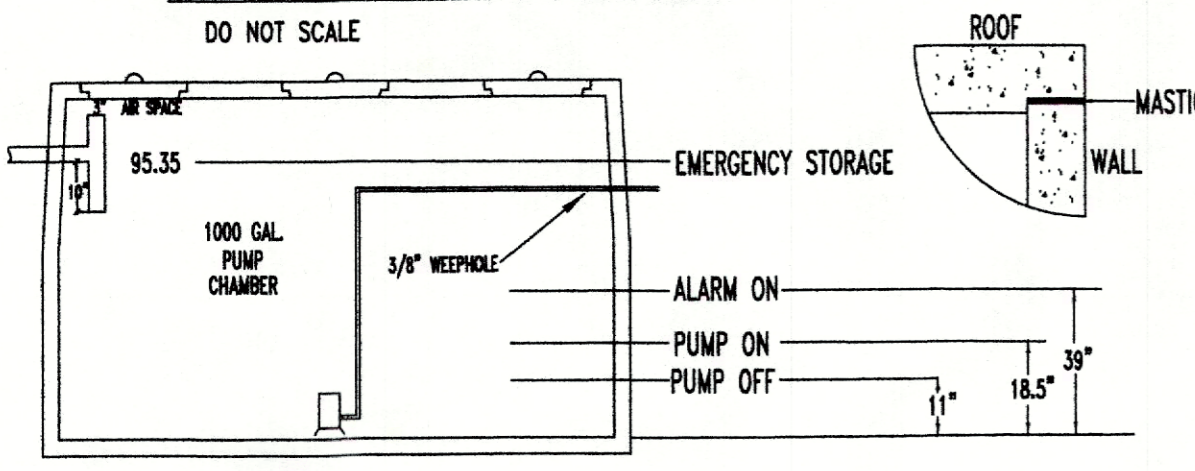
VENT DETAIL PLAN



VENT DETAIL PROFILE



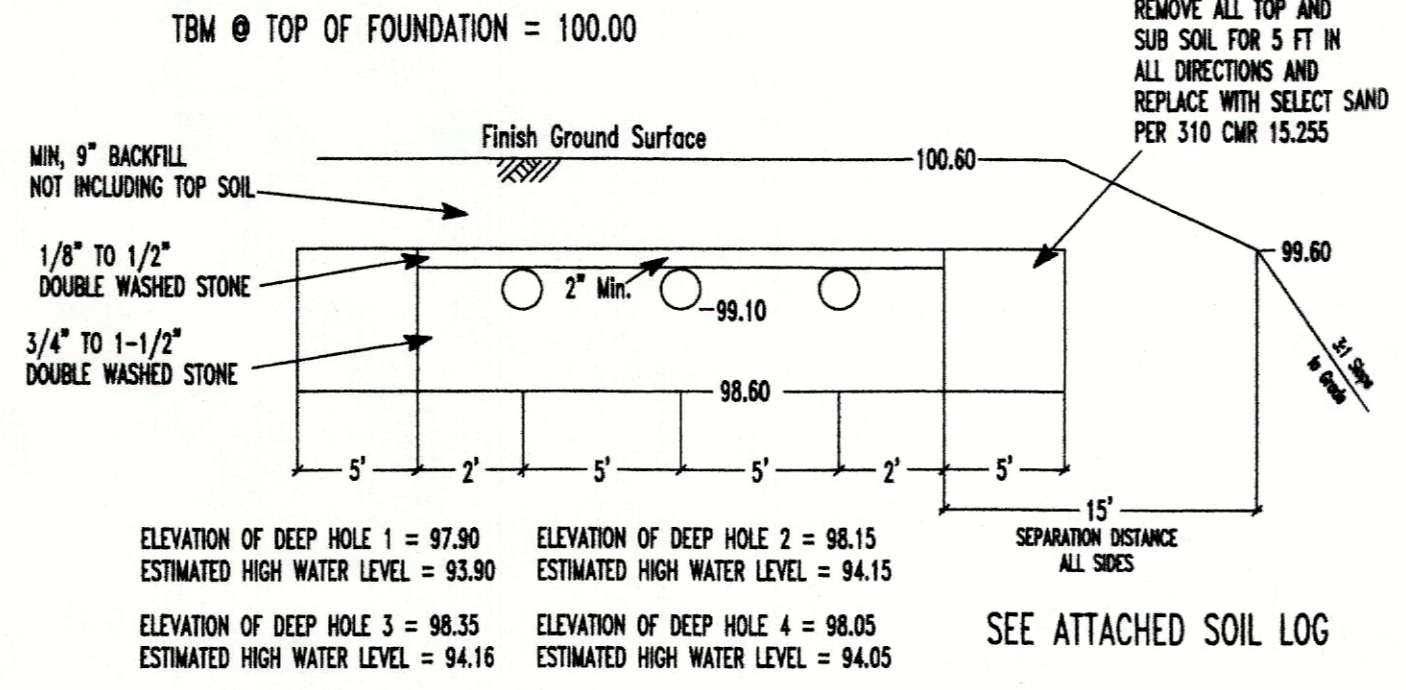
PUMP CHAMBER



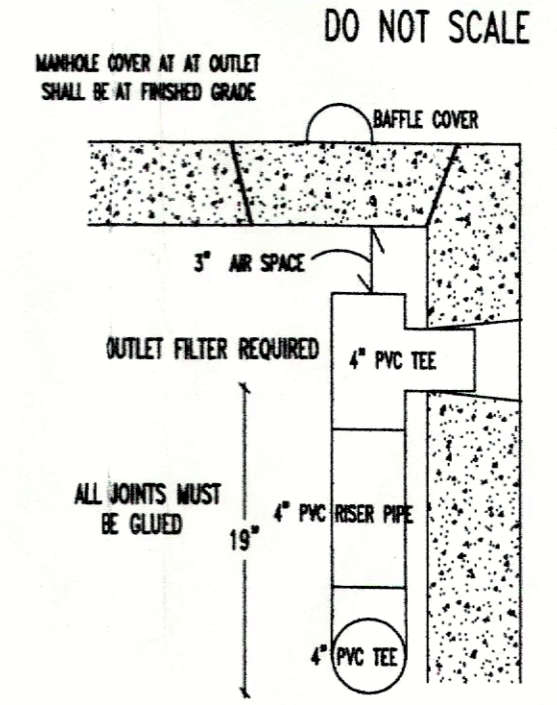
PUMP NOTES

- 1) 1000 GAL. PUMP CHAMBER 8' X 4.33' X 0.083'/IN X 7.48 GAL/FT³ = 21.5 GAL/VERTICAL INCH. PUMPING REQ. = 60 GAL PER CYCLE. 160/21.5 = 7.44" LIQUID LEVEL DROP.
- 2) CLASS II SOIL = 4 DOSE/DAY = 160 GAL/DOSE MAX.
- 3) 20.5" OF STORAGE REQUIRED ABOVE ON SWITCH.
- 4) LIBERTY LESO PUMP OR EQUIVALENT.
- 5) 2" SCH 40 EXIT PIPE TO D-BOX MUST BE SET TO DRAIN TO PREVENT FREEZING.
- 6) ALARM TO BE LOCATED IN THE HOUSE.
- 7) SEPARATE ELECTRICAL CIRCUITS REQUIRED FOR PUMP AND ALARM.

CROSS SECTION OF LEACHING BED @ PIPE END



GAS BAFFLE DETAIL



OBSERVATION HOLE #1	OBSERVATION HOLE #2	OBSERVATION HOLE #3	OBSERVATION HOLE #4
A(FSL) 0"	A(FSL) 0"	A(FSL) 0"	A(FSL) 0"
B(SL) 8"	B(SL) 8"	B(SL) 11"	B(SL) 10"
C(SL) 27"	C(SL) 30"	C(SL) 32"	C(SL) 30"
108"	122"	108"	116"
GROUNDWATER: MOTTLING @ 48" PERC. TEST @ 41" = 10 MPI	GROUNDWATER: MOTTLING @ 48" PERC. TEST @ 41" = 10 MPI	GROUNDWATER: MOTTLING @ 45" PERC. TEST @ 44" = 6 MPI	GROUNDWATER: MOTTLING @ 48" PERC. TEST @ 41" = 10 MPI

ALL SOIL ABSORPTION SYSTEMS SHALL HAVE A MINIMUM OF ONE INSPECTION PORT CONSISTING OF A PERFORATED FOUR INCH PIPE PLACED VERTICALLY DOWN INTO THE STONE TO THE NATURALLY OCCURRING SOIL OR SAND FILL BELOW THE STONE. THE PIPE SHALL BE CAPPED WITH A SCREW TYPE CAP AND ACCESSIBLE TO WITHIN THREE INCHES OF FINISH GRADE.

SEE ATTACHED SOIL LOG

SYSTEM TO BE CONSTRUCTED IN COMPLIANCE WITH 310 CMR 15.000

MAHONEY 59 Meeting House Road Pelham, MA

SCALE: AS NOTED	DRAWING NUMBER: Mahoney-Meeting.dwg	DESIGNED BY: NMJ
DATE: 09JUN25		DRAWN BY: HOP
APPROVED BY:		

PAUL CAMPAGNA No. 972 REGISTERED ENGINEER

6/19/2025