

**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 remove and replace the existing septic system within the 100-foot Buffer Zone and 200-foot Riverfront Area, at 4 Revere Street. Judy Sletzinger, Applicant. The hearing will be held on Monday, April 26, 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-26-2021/>

SUDBURY CONSERVATION COMMISSION
April 12, 2021



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:

Judy Sletzinger

Name

E-Mail Address

4 Revere Street

Mailing Address

Sudbury

City/Town

MA

State

01776

Zip Code

Phone Number

Fax Number (if applicable)

2. Representative (if any):

M. J. DiModica Excavating

Firm

Mike DiModica

Contact Name

mjdimodica@verizon.net

E-Mail Address

19 Christopher Lane

Mailing Address

Sudbury

City/Town

MA

State

01776

Zip Code

978 443 8433

Phone Number

978 443 0682

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:

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).

RELOCATE UTILITIES FOR NEW SEPTIC AREA

Received

APR 09 2021

Sudbury Conservation Department



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C. Project Description

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

4 Revere Street	Sudbury
Street Address	City/Town
K05	412
Assessors Map/Plat Number	Parcel/Lot Number

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

Single family residential lot

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

Subsurface Sewage Disposal System - Repair	3/30/21
Title	Date
_____	_____
Title	Date
_____	_____
Title	Date

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

Work includes the replacement of current failed Soil Absorption System (SAS) - No increase in use



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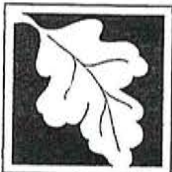
C. Project Description (cont.)

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.)



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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.

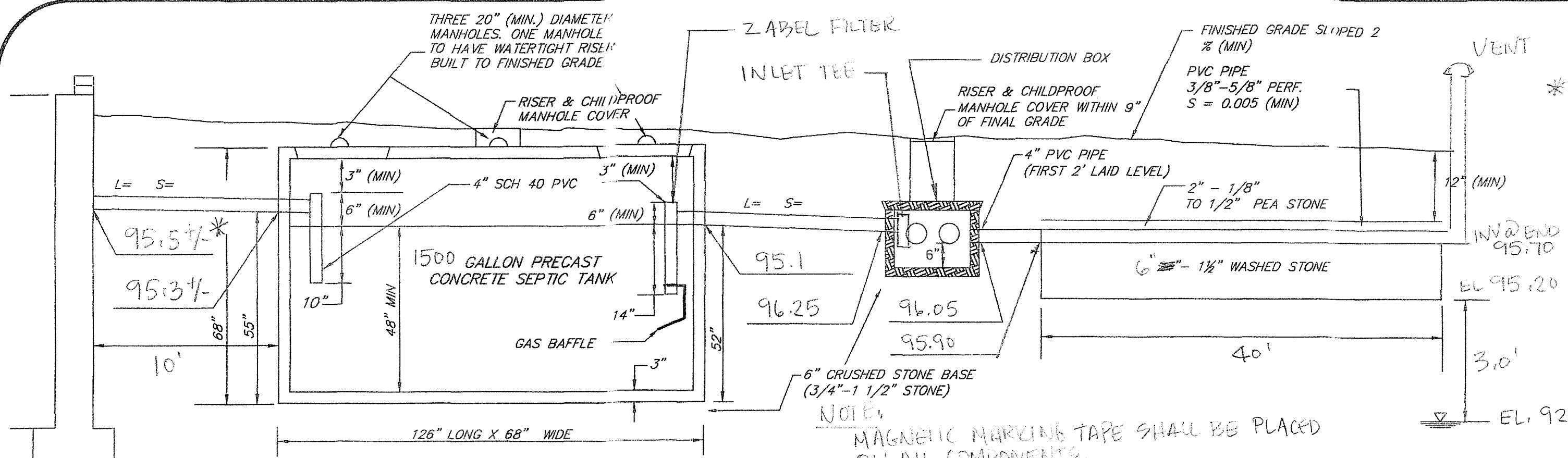
Name and address of the property owner:

^{JUDITH}
 JUDY SLETZINGER
 Name _____
 4 REVERE ST
 Mailing Address _____
 SUDBURY
 City/Town _____
 MA
 State _____ 01776
 Zip Code _____

Signatures:

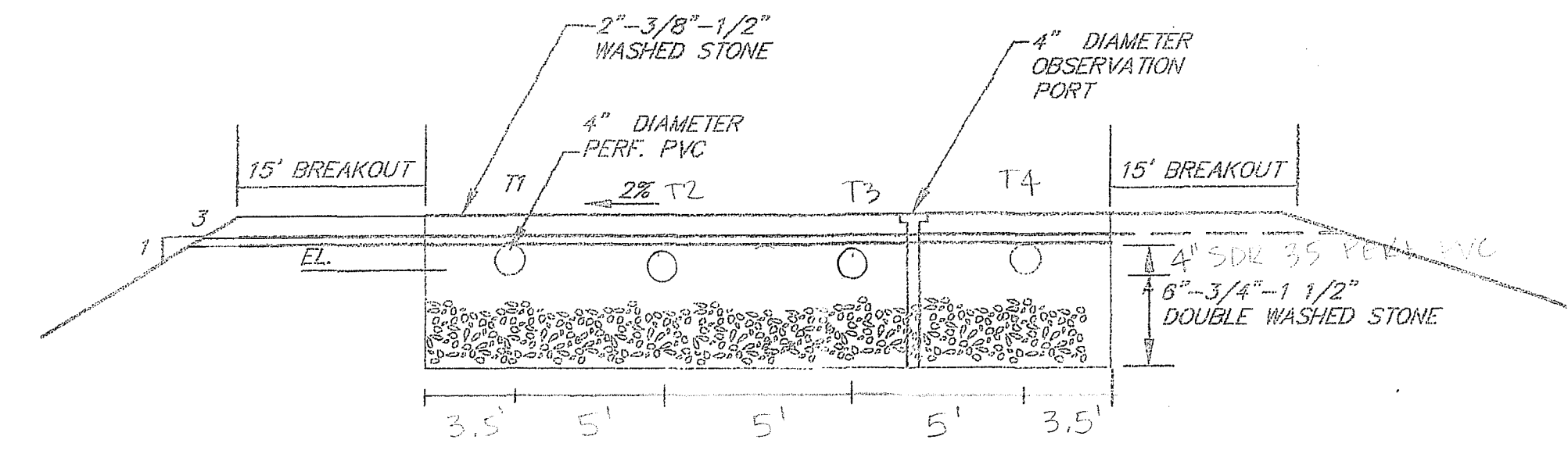
I also understand that notification of this Request will be placed in a local newspaper at my expense in accordance with Section 10.05(3)(b)(1) of the Wetlands Protection Act regulations.

Judith Sletzinger
 Signature of Applicant _____ 4/7/21
 Date _____
[Signature]
 Signature of Representative (if any) _____ 4/7/21
 Date _____

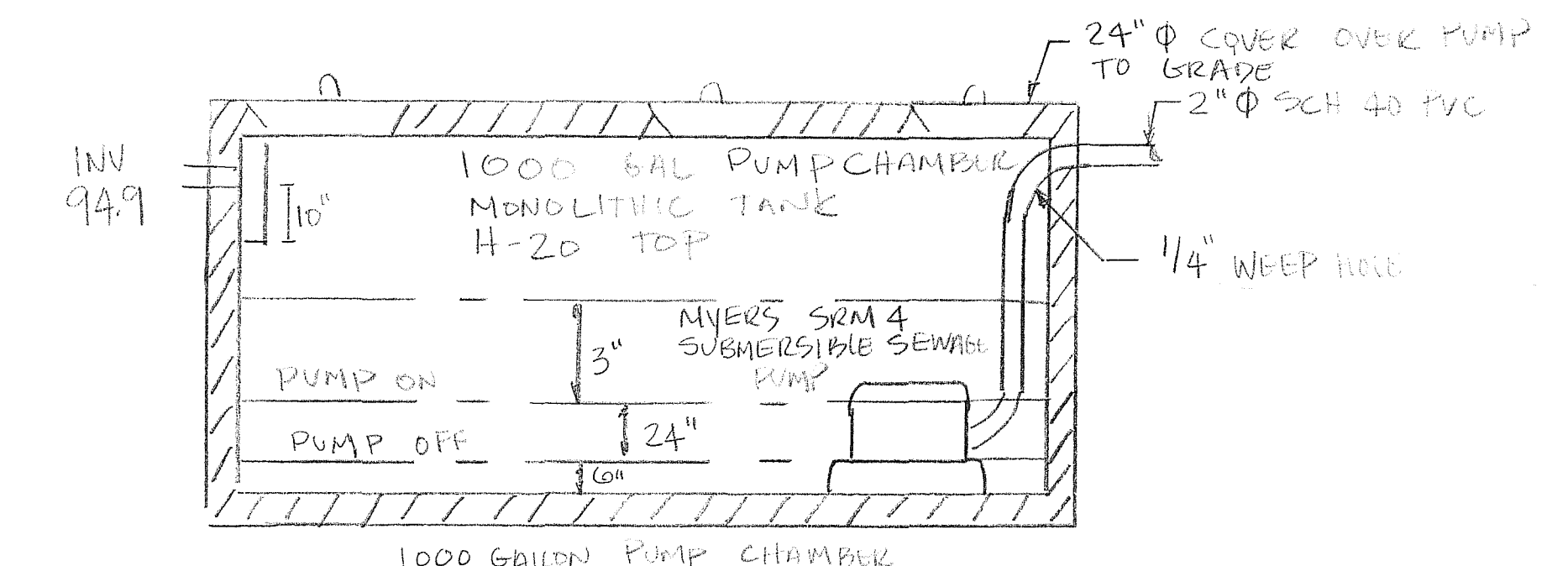


NOTES:
MAGNETIC MARKING TAPE SHALL BE PLACED ON ALL COMPONENTS.

PROFILE
NOT TO SCALE



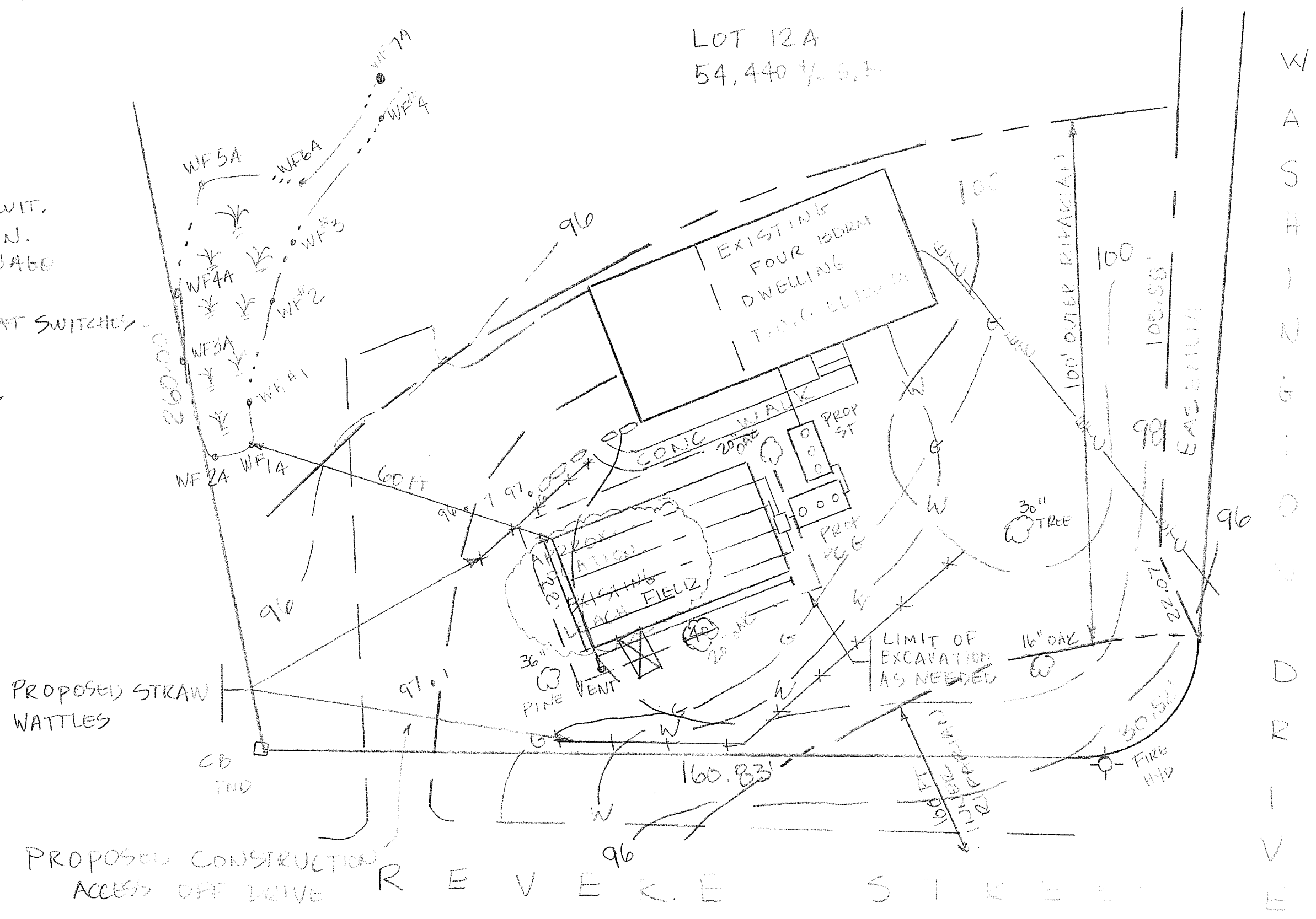
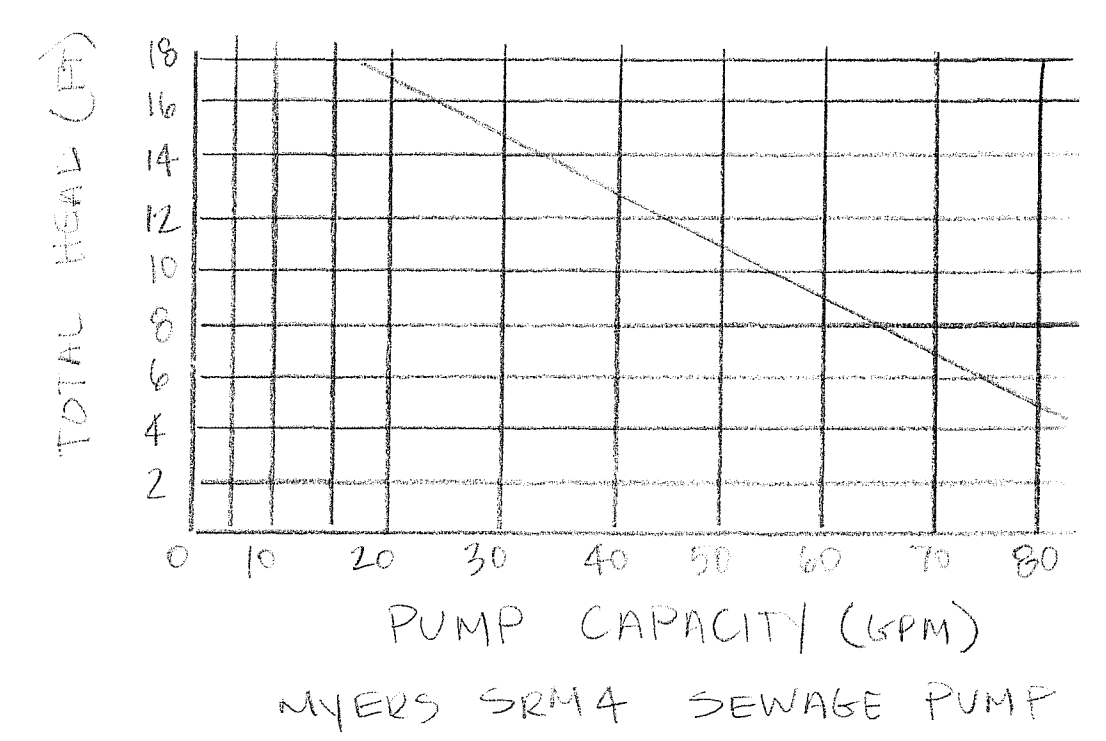
LEACHING CROSS SECTION
NOT TO SCALE



WETLAND AREA

PUMP DESIGN:
1. VOLUME DOSED: $1/12 \times 880 \text{ S.F.} = 74 \text{ CF} \Rightarrow 554 \text{ GAL}$
2. HEAD: $96.3 - 90.0 = 6.3 \text{ FT}$
4 L.F. 2" SCH 40 + 10 FEET = 14 FT
 $Q = 60 \text{ GPM @ 9 FT HEAD}$
PUMP RUN TIME = 9.2 MIN
HT OF FLOAT = 24 IN

PUMP NOTES:
1. PUMP AND ALARM SHALL BE ON SEPARATE CIRCUIT.
2. 1/4" DRILL HOLE SHALL BE PROVIDED IN FORCE MAIN.
3. FORCE MAIN SHALL BE SET FOR POSITIVE DRAINAGE TO PUMP CHAMBER.
4. PUMP SHALL BE EQUIPPED WITH MERCURY FLOAT SWITCHES FOR ON/OFF/HIGH WATER ALARM.
5. THE PC SHALL BE WATERTIGHT.
6. THE PC SHALL BE SET ON 6" STONE BASE.



SCHEDULE OF ELEVATIONS

	DESIGN	AS-BUILT
INV. @ FOUNDATION	95.57	
INV. @ S.T. INLET	95.3	
INV. @ S.T. OUTLET	95.1	
INV. @ D-BOX INLET	96.25	
INV. @ D-BOX OUTLET	96.05	
INV. @ BEG. TRENCH*	95.90	
INV. @ END TRENCH*	95.70	
BOTTOM OF STONE*	95.20	

LOCAL VARIANCE:

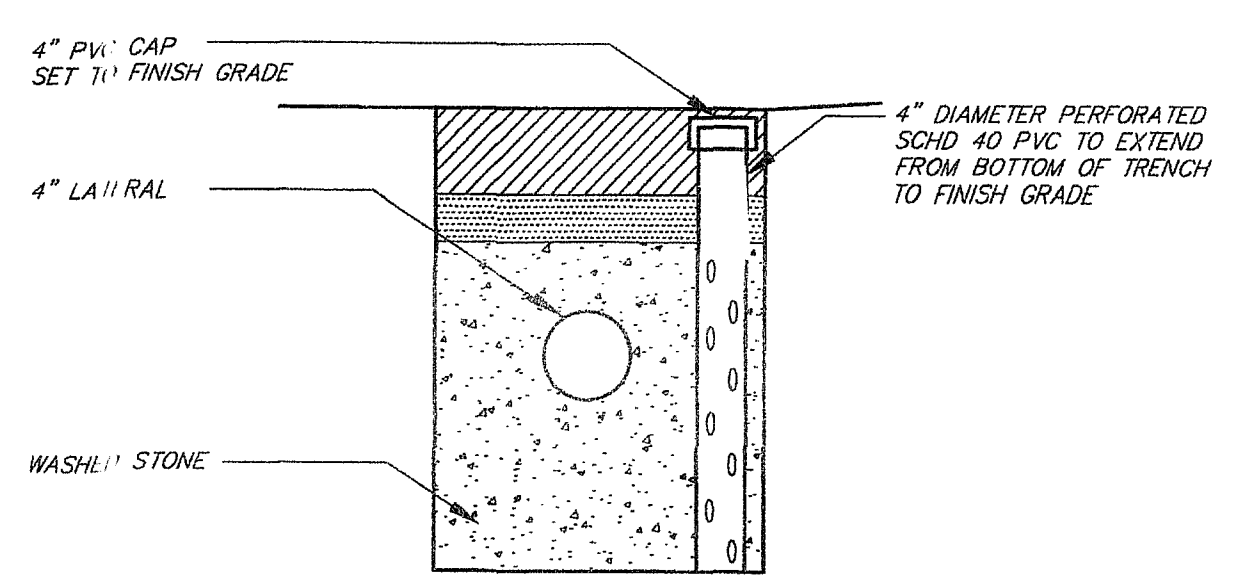
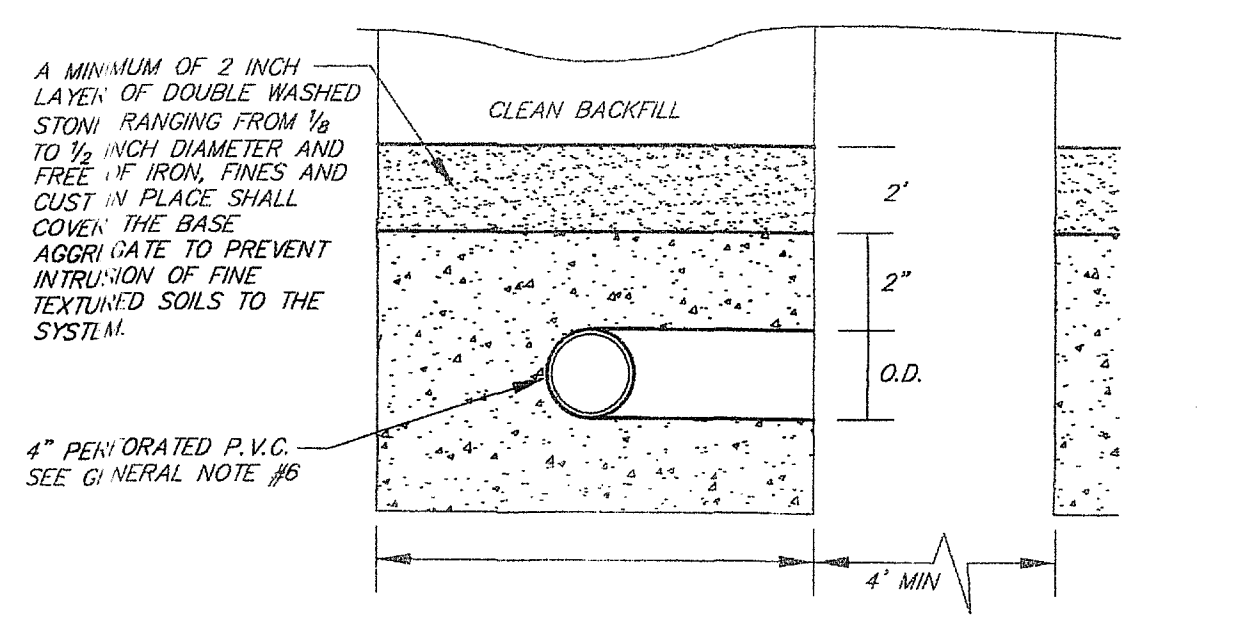
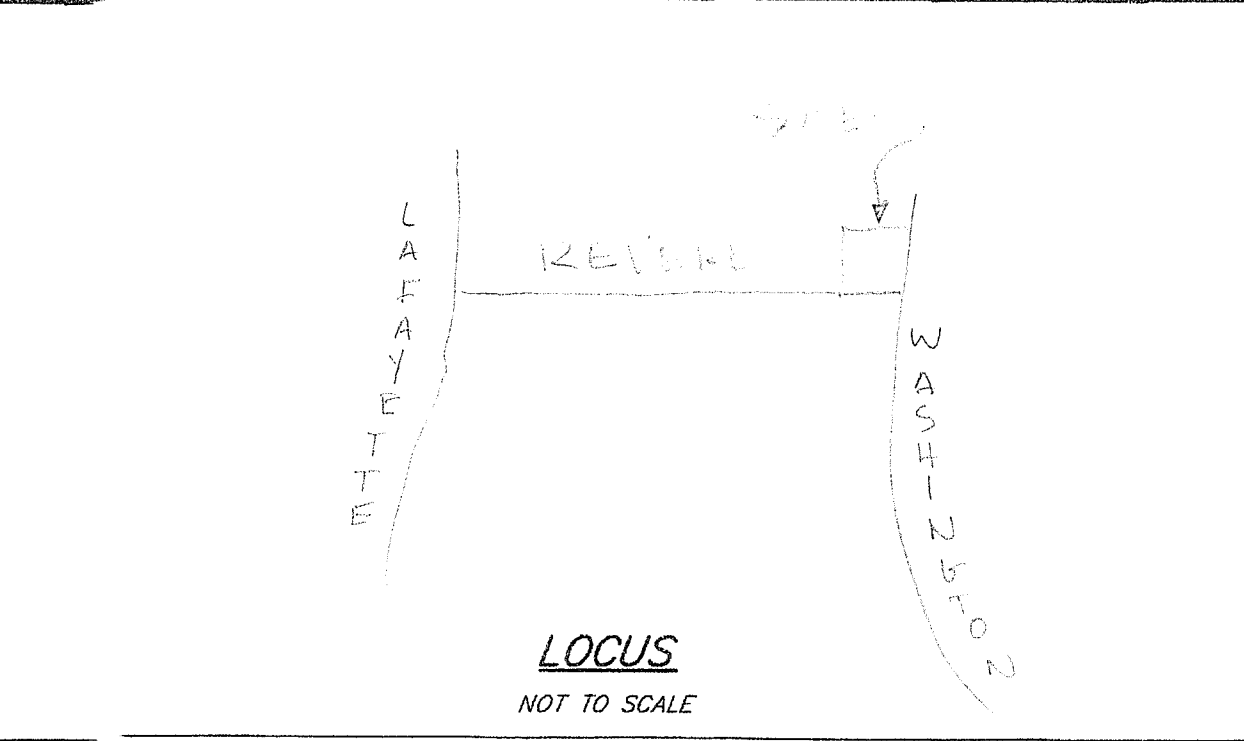
1. A LOCAL VARIANCE FOR OFFSET TO GROUNDWATER FROM 4 FT TO 2 FT IN SOILS WITH PERC RATE SLOWER THAN 2 MPH.

TOWN VARIANCE:

1. A VARIANCE FROM THE TOWN REGULATIONS THE USE OF A LEACH BED IS REQUIRED.

CONSERVATION NOTES:

1. WETLAND FLAG WF1-4 FLAG APRIL 5, 2001 BY M.J. DIMODICA
2. WETLAND FLAG WF1A-WF7A FROM "PROPOSED PLOT PLAN 14 REVERE ST." PREPARED BY INLAND SURVEY INC. DATED APRIL 10, 2008.
3. ALL CONSTRUCTION ACCESS SHALL BE ON THE EXISTING PAVED DRIVEWAY.
4. ALL EXCAVATION MEASURES SHALL BE INSPECTED BY TOWN OF SUDBURY (CN) PRIOR TO COMMENCEMENT OF WORK.



PERCOLATION TEST DATA

PERC. NO.	DATE	DEPTH	STABILIZED RATE	WITNESSED BY
P-1	3-24-21	48"	3 MPH	B. MURPHY

DESIGN INFORMATION

DESIGN FLOW: DESIGN PERCOLATION RATE: 4 BDRM @ 110 GPD/PERSON = 440 GPD/3 = 147 MPI

DESIGN LOAD FACTOR: TITLE 5 LOCAL

SIDEWALL AREA: 0.74 600

BOTTOM AREA: 0.14 30.7

TOTAL LEACHING AREA REQUIRED: 59.5 S.F. 400 S.F.

LEACHING AREA PROVIDED: S.F.

SIDEWALL AREA: 880 S.F.

BOTTOM AREA: (4) (12) S.F.

TOTAL LEACHING AREA REQUIRED: S.F.

SEPTIC TANK CAPACITY: REQUIRED: GPD x 200% = 440 x 200% = 880 GPD PROVIDED: 1500 GPD

LEGEND

- 120 FINISH GROUND
- EXISTING GROUND
- 120.4 EXISTING SPOT GRADE
- 120.4 PROPOSED SPOT GRADE
- EDGE OF WETLAND
- PERCOLATION TEST
- ⊗ DEEP TEST HOLE
- W WATER LINE
- ETC ELECTRIC, TELEPHONE, CABLE AND GAS LINE
- G GAS LINE
- LIMIT OF EXCAVATION

DESIGN INFORMATION

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WARNING: EXISTING UTILITY LINES INDICATED OR NOTED ON THESE DRAWINGS ARE SHOWN AS OBTAINED FROM AVAILABLE INFORMATION AND ARE ONLY APPROXIMATE IN LOCATION. THE CONTRACTOR SHALL TAKE CAUTION TO AVOID DAMAGE TO EXISTING UTILITY LINES AND/OR HARM TO PERSONNEL ENGAGED IN WORKING IN THESE AREAS.

CALL "DIG SAFE" 1 (888) DIG-SAFE (1 (888) 344-7233)

EXISTING LINES OTHER THAN THOSE INDICATED ON THESE DRAWINGS MAY BE ON THE SITE. THE CONTRACTOR IS WARNED TO PROCEED WITH CAUTION WITH ALL WORK, ESPECIALLY EXCAVATION WORK, AND TO MAKE ALL POSSIBLE INVESTIGATIONS AS TO POSSIBLE UNMARKED UTILITY LINES.

NOTES:

1. ELEVATIONS REFER TO BENCHMARK T.O.C. EL 100.00.
2. 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 WHERE APPLICABLE.
3. FINISH GRADING SHALL BE COMPLETED IN ACCORDANCE WITH THE DETAILS AS SHOWN HEREON.
4. HEAVY CONSTRUCTION EQUIPMENT SHALL NOT BE ALLOWED TO PASS OVER THE LEACHING AREA.
5. ALL WASHED STONE TO BE DOUBLE WASHED.
6. ALL TIGHT JOINT PIPING SHALL CONSIST OF POLYVINYL CHLORIDE (PVC) SCHEDULE 40 PIPE OR AS SPECIFIED.
7. THE SEPTIC TANK SHOULD BE INSPECTED ANNUALLY AND SHOULD BE PUMPED WHEN THE DEPTH OF THE LIQUID EXCEEDS 1/2 THE LIQUID DEPTH OF THE TANK.
8. LIMIT OF EXCAVATION: ALL TOPSOIL, ORGANIC SUBSOIL, LARGE BOULDERS AND DELETERIOUS MATERIAL SHALL BE EXCAVATED AND REMOVED FROM THE LEACHING AREAS AND TO A DISTANCE OF 5 FEET FROM THE PERIMETER OF SAID AREAS. BACKFILL AS REQUIRED WITH SUITABLE FILL.
9. ALL FILL MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF REGULATION 15.255(3) OF TITLE 5 OF THE MASS STATE ENVIRONMENTAL CODE 310 CMR. 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.
10. ANY ALTERATION TO THE APPROVED SYSTEM MUST BE APPROVED BY THE DESIGN ENGINEER AND THE BOARD OF HEALTH FOR APPROVAL PRIOR TO CONSTRUCTION.
11. THE SYSTEM SHALL BE INSPECTED DURING CONSTRUCTION BY A REPRESENTATIVE OF THE DESIGN ENGINEER AND THE AGENT FOR THE 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.
12. NO SURFACE DRAINS OR FOUNDATION DRAINS ARE PROPOSED.
13. THE FIRST 2 FEET OF HEADER PIPES TO THE LEACH FIELD ARE TO BE LEVEL.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, SIZE AND ELEVATIONS 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 CONSTRUCTION.
15. THE OWNER/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 S.S.D.S. DESIGNER. THE OWNER SHOULD UTILIZE THE SERVICES OF A PROFESSIONAL LAND SURVEYOR TO LOCATE ALL PROPOSED STRUCTURES.
16. 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.
17. ALL PRECAST STRUCTURES SHALL BE SHEA CONCRETE PRODUCTS OR APPROVED EQUAL.
18. DESIGN IS NOT INTENDED FOR USE WITH A GARBAGE DISPOSAL. BACKWASH SHOULD BE DISPOSED OF IN A SEPARATE DRYWELL.
19. TEST HOLE INFORMATION SHOWN HEREON IS LIMITED TO SOIL CONDITIONS FOUND AT THAT PARTICULAR TEST HOLE LOCATION AND IS NOT TO BE CONSIDERED AN IMPLIED OR EXPRESS WARRANTY OF SOIL CONDITIONS BEYOND THE LIMITS OF SUCH TEST HOLES.
20. THIS PLAN IS THE RESULT OF AN ON THE GROUND SURVEY PERFORMED BY M.J. DIMODICA EXC. UTILITY LOCATIONS ARE BASED ON FIELD OBSERVATIONS, AVAILABLE RECORDS AND INFORMATION. M.J. DIMODICA EXC. DOES NOT WARRANT LOCATION, CHARACTER NOR ELEVATIONS OF ALL UNDERGROUND UTILITIES NOR THE LOCATION.
21. ALL LOT LINE INFORMATION AND HOUSE LOCATION COMPILED FROM "PLOT PLAN OF LAND IN SUDBURY TOWNSHIP" PREPARED BY WF DRAVE DATED FEB 2, 1969.

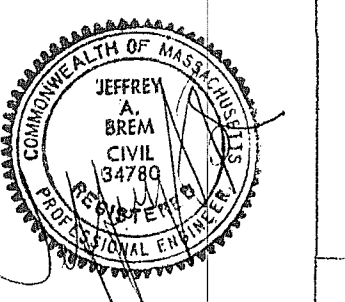
REVISION HISTORY

NO.	DATE	REVISION DESCRIPTION	BY
3			
2			
1			

SUBSURFACE SEWAGE DISPOSAL SYSTEM-REPAIR
4 REVERE STREET
SUDBURY, MA

PREPARED FOR:
JUDY SLETZINGER
4 REVERE STREET
SUDBURY, MA 01776
MARCH 30, 2021

SCALE: 1" = 20'



PREPARED BY:
M. J. DIMODICA EXC.
19 CHRISTOPHER LANE, SUDBURY, MA 01776 • (508) 443-8433
mjdmodica@verizon.net