



**NOTICE OF PUBLIC MEETING
SUDBURY CONSERVATION COMMISSION**
Monday, October 3, 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 the septic system within the 100-foot Buffer Zone at 96 Dudley Road, in Sudbury, MA. Ann Vanderslice, Applicant. The meeting will be held on Monday, October 3, 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-october-3-2022/>

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

SUDBURY CONSERVATION COMMISSION
TODAY'S DATE
9/20/22



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

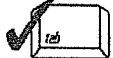
SUDBURY
City/Town

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:

Name ANN VANDERSLICE E-Mail Address _____

Mailing Address 96 DUDLEY ROAD

City/Town SUDBURY State MA Zip Code 01776

Phone Number _____ Fax Number (if applicable) _____

2. Representative (if any):

Firm M.J. DIMODICA EXCAVATING

Contact Name MIKE DIMODICA E-Mail Address mjd@modica.com

Mailing Address 19 CHRISTOPHER LN

City/Town SUDBURY State MA Zip Code 01776

Phone Number 978 443 8433 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).

Received
SEP 19 2022
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):

<u>96 DUDLEY ROAD</u>	<u>SUDBURY</u>
Street Address	City/Town
<u>K06 -</u>	<u>0401</u>
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):

<u>SUBSURFACE SEWAGE DISPOSAL SYSTEM</u>	<u>9/16/22</u>
Title	Date
_____	_____
Title	Date
_____	_____
Title	Date

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

PROPOSED WORK IS THE REPLACEMENT OF
EXISTING CESSPOOLS WITH A TITLE 5
COMPLIANT SAS.



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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:

RICHARD & ANN VANDERSLICE
 Name
96 DUDLEY 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.

Richard Vanderslice Signature of Applicant 9/18/22 Date
[Signature] Signature of Representative (if any) 9/16/22 Date

Request for Determination of Applicability

NARRATIVE

Ann Vanderslice
96 Dudley Road
Map K06 Parcel 401

The project consists of the replacement of an existing failed Soil Absorption System (SAS) with no proposed change in use or new impervious area.

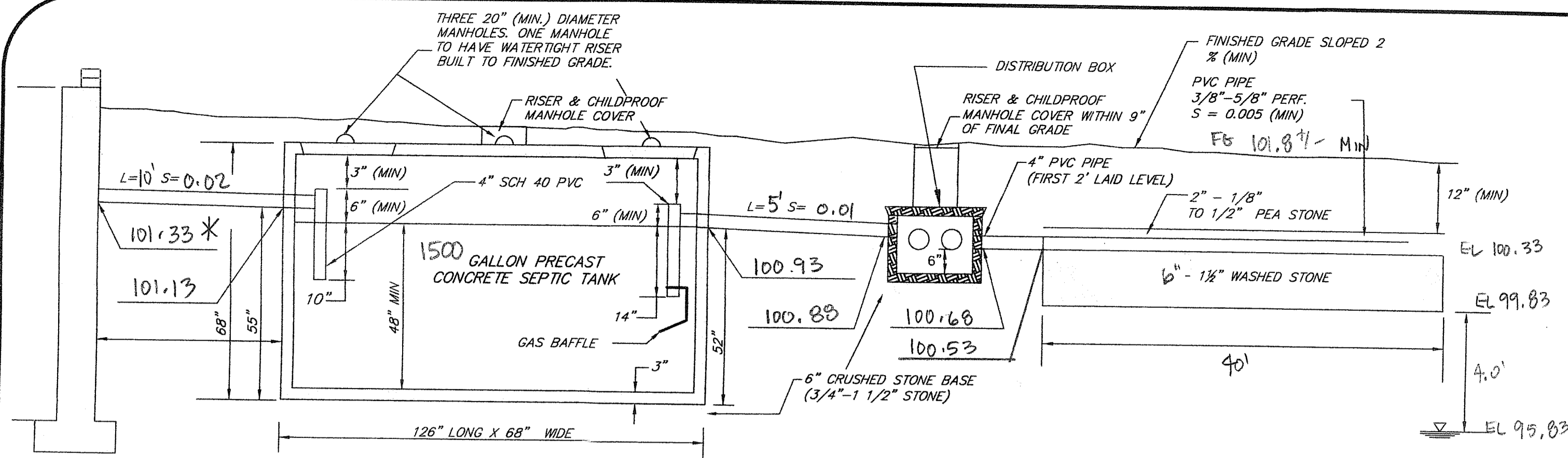
The subject parcel is located at 96 Dudley Road and consists of a four (4) bedroom single family dwelling with a land area of approximately 30,100 s.f. The parcel abuts a vegetated wetland to the east on the site. The proposed project is located in the buffer zone of the wetland resource area. The wetland resource areas were determined based upon an approved plan by Windriver Environmental.

The project consists of replacing an existing failed Soil Absorption System (SAS) in the front and right side of the dwelling with a new title 5 compliant system in the front and right side of the parcel as shown on the attached plan.

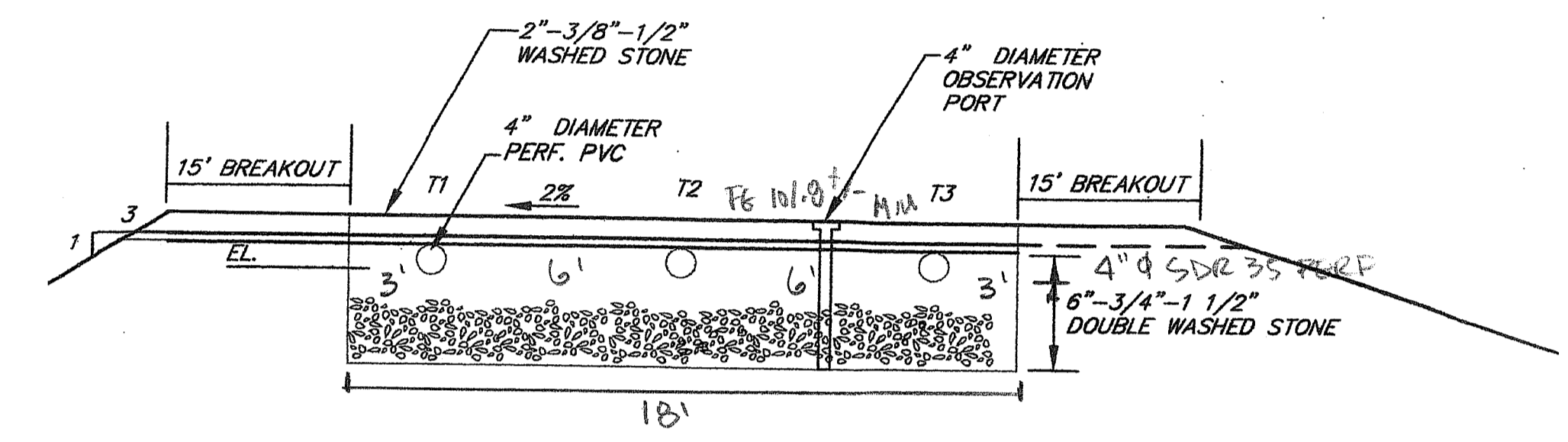
The new SAS consists of a new 1500 gallon septic tank and new leaching field with a leaching bed 40 ft x 18 ft.

The work will require access across the front yard to the location of the soil pipe exits the building. The existing plumbing shall be elevated to provide the proper offset to the groundwater as required by Title 5. The erosion control barrier (straw wattles) is proposed between the work area and the resource area to ensure protection of the resource area. There shall be a minimum amount of stockpiling due to the nature of the SAS.

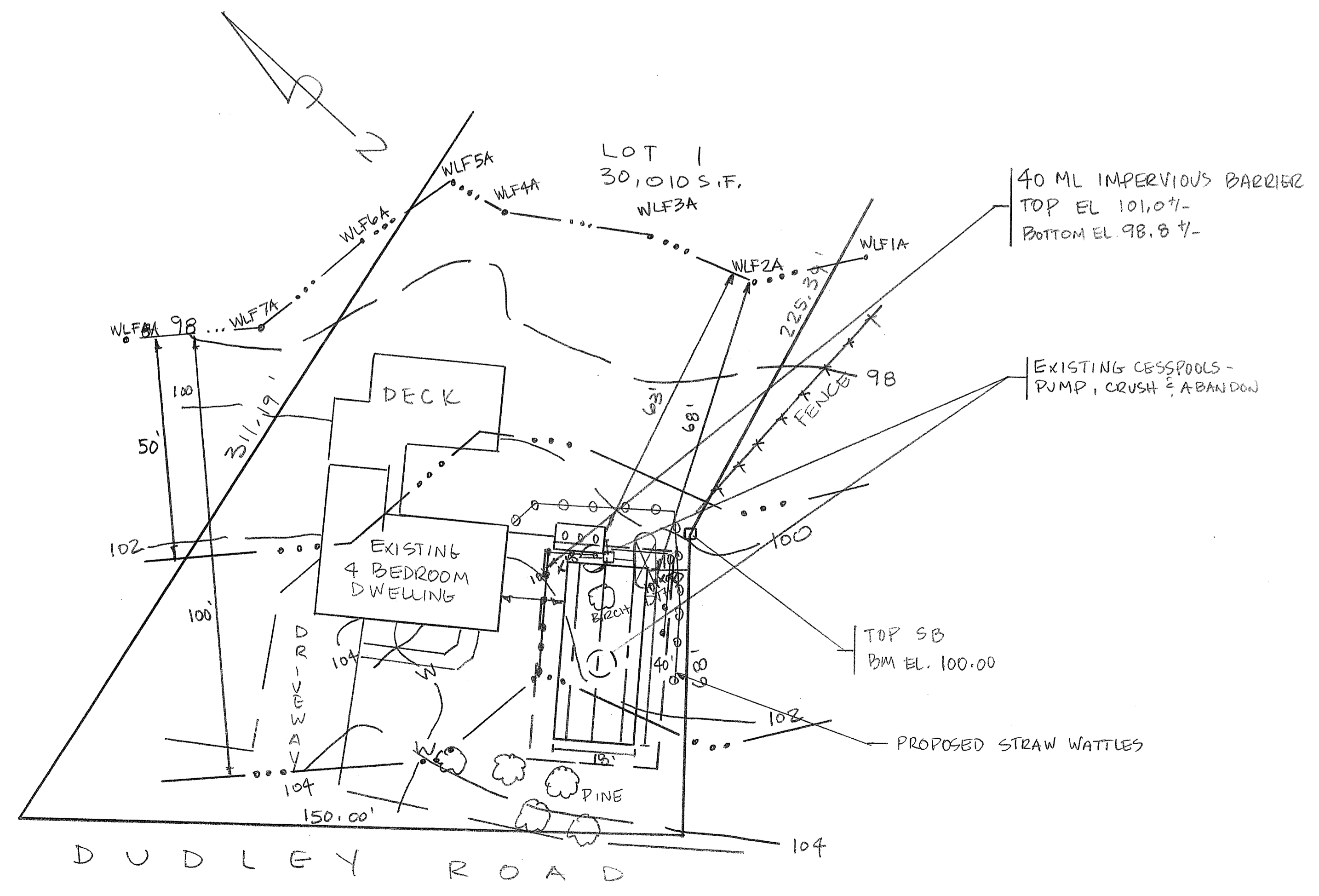
No work shall commence onsite until erosion control barriers have been installed and inspected by the Conservation Commission.



PROFILE
NOT TO SCALE



LEACHING FIELD CROSS SECTION
NOT TO SCALE



SCHEDULE OF ELEVATIONS

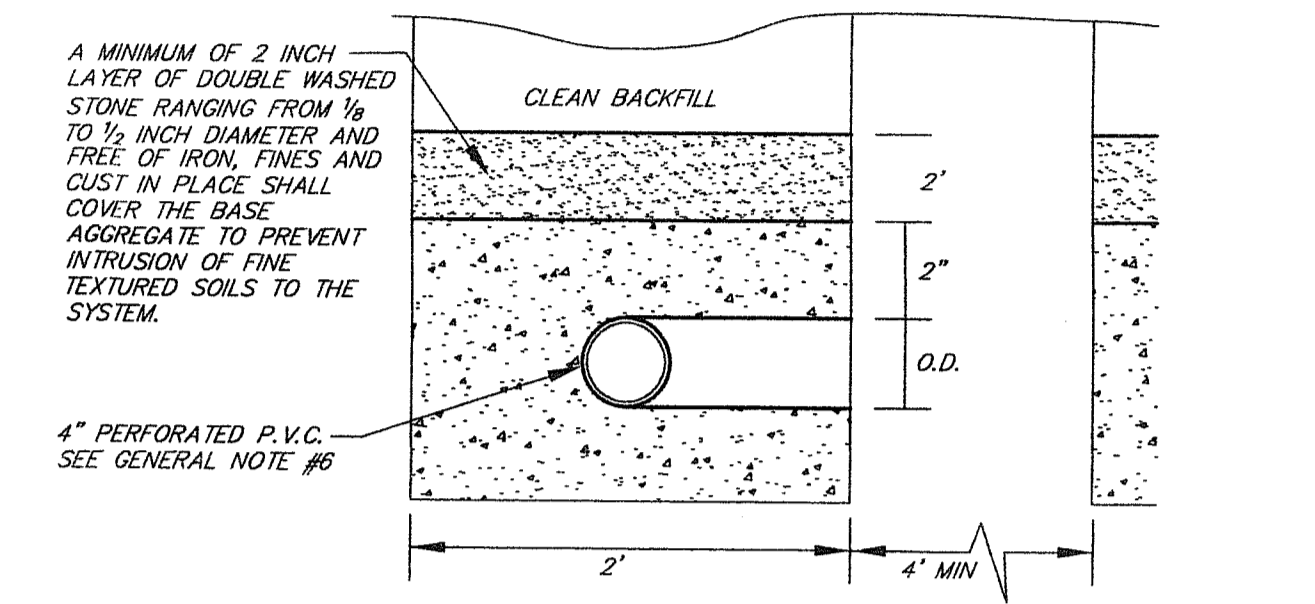
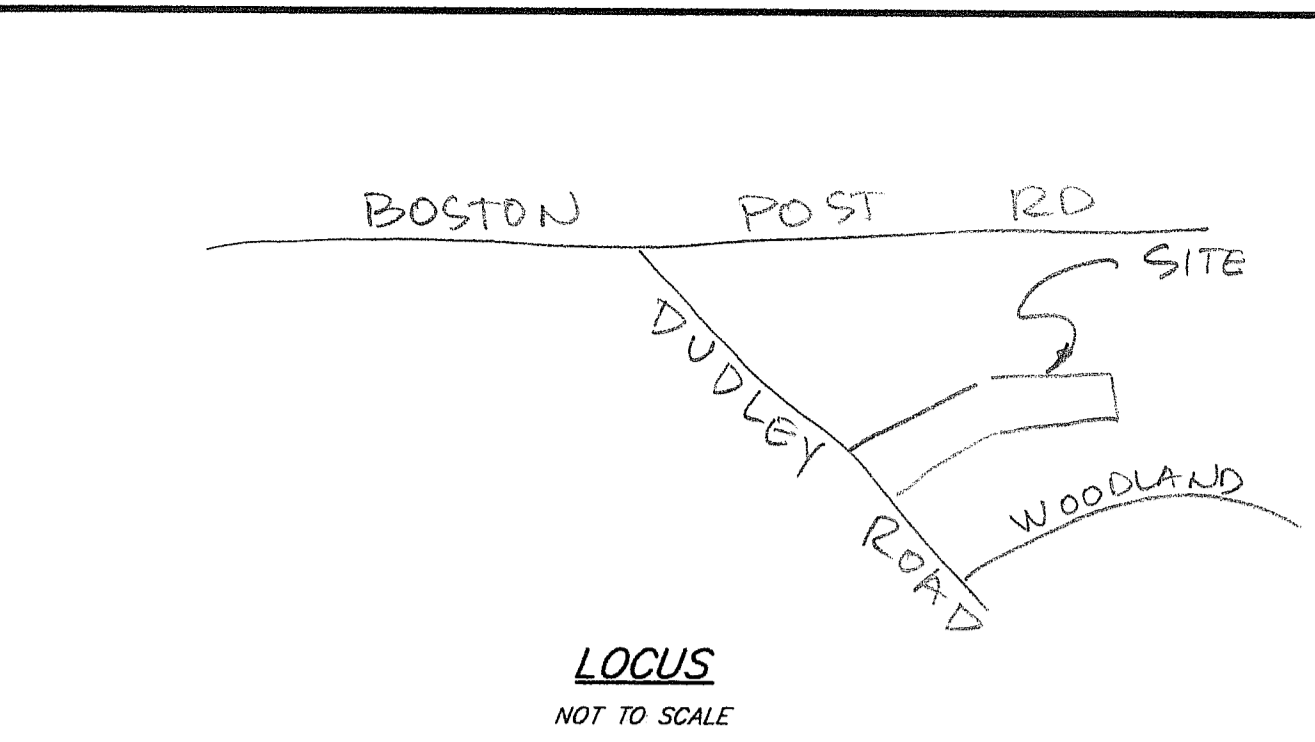
INV. @ FOUNDATION	DESIGN	AS-BUILT
INV. @ S.T. INLET	101.13	
INV. @ S.T. OUTLET	100.93	
INV. @ D-BOX INLET	100.88	
INV. @ D-BOX OUTLET	100.68	
INV. @ BEG. TRENCH*	100.53	
INV. @ END TRENCH*	100.33	
BOTTOM OF STONE*	99.83	

NOTE:
1. EXISTING SOIL PIPE SHALL BE ELEVATED TO 101.37'-MINIMUM.

TOWN OF SUDBURY VARIANCE
1. A VARIANCE FROM SUDBURY BOH REGULATION FOR USE OF A LEACH BED IS REQUIRED.

LOCAL UPGRADE APPROVAL

- 15.405 - OFFSET TO 6N IN SOILS WITH 2 MPI PER RATE FROM 5 FT TO 4 FT.
- 15.405 - OFFSET OF LEACH FIELD TO FULL FOUNDATION FROM 20 FT TO 14 FT.



INSPECTION PORT DETAIL
NOT TO SCALE

SOIL TEST DATA: DATE(S) 6/30/05 CERTIFIED ON: PERFORMED BY: T. DONCETTE

WITNESSED BY: R. LEUPOLD

DEPTH	SOIL	PERC. RATE	REMARKS
0'-6"	SL		
6'-18"	LS		
18'-74"	FINE SAND		

H.C. @ 52" EL 95.83
WEIR @ 60"

PERCOLATION TEST DATA

PERC. NO.	DATE	DEPTH	STABILIZED RATE	WITNESSED BY
#1	6/30/05		2 MPI	R. LEUPOLD

DESIGN INFORMATION

DESIGN FLOW: DESIGN PERCOLATION RATE: 4 BDRM @ 110 GPD/BDRM = 440 GPD
2 MPI

DESIGN LOAD FACTOR: TITLE 5 LOCAL

SIDEWALL AREA: 0.74
BOTTOM AREA: 0.12
TOTAL LEACHING AREA REQUIRED: 595 S.F.

LEACHING AREA PROVIDED: SIDEWALL AREA: 720 S.F.
BOTTOM AREA: (40)(18) 720 S.F.
TOTAL LEACHING AREA REQUIRED: 720 S.F.

SEPTIC TANK CAPACITY: REQUIRED: 820 GPD x 200% = 1640 GPD
PROVIDED: 1500 GAL ST

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:**
- ELEVATIONS REFER TO BENCHMARK TOP OF 9B EL. 100.00
 - 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).
 - FINISH GRADING SHALL BE COMPLETED IN ACCORDANCE WITH THE DETAILS AS SHOWN HEREON.
 - HEAVY CONSTRUCTION EQUIPMENT SHALL NOT BE ALLOWED TO PASS OVER THE LEACHING AREA.
 - ALL WASHED STONE TO 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 THE SOLIDS EXCEEDS 1/2 THE LIQUID DEPTH OF THE TANK.
 - 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.
 - 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.
 - ANY ALTERATION TO THE APPROVED SYSTEM MUST BE APPROVED BY THE DESIGN ENGINEER AND THE BOARD OF HEALTH FOR APPROVAL PRIOR TO CONSTRUCTION.
 - THE SYSTEM SHALL BE INSPECTED DURING CONSTRUCTION BY A REPRESENTATIVE OF THE DESIGN ENGINEER AND 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.
 - NO SURFACE DRAINS OR FOUNDATION DRAINS ARE PROPOSED.
 - THE FIRST 2 FEET OF HEADER PIPES TO THE LEACH FIELD ARE TO BE LEVEL.
 - 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.
 - THE OWNER/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 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 SHEA CONCRETE PRODUCTS OR APPROVED EQUAL.
 - DESIGN IS NOT INTENDED FOR USE WITH A GARBAGE DISPOSAL. BACKWASH SHOULD BE DISPOSED OF IN A SEPARATE DRYWELL.
 - 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.
 - 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.
 - ALL LOT LINE INFORMATION, HOUSE LOCATION, TOPO SURVEY AND WETLAND LOCATION COMPILED FROM "SEWAGE DISPOSAL SYSTEM UPGRADE DESIGN FOR 96 DUDLEY RD" DATED JULY 2005 PREPARED BY WIND RIVER ENV.

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
- 40 ML IMPERVIOUS BARRIER
- STRAW WATTLES

NO.	DATE	REVISION DESCRIPTION	BY
3			
2			
1			

SUBSURFACE SEWAGE DISPOSAL SYSTEM - REPAIR
96 DUDLEY ROAD
SUDBURY, MA

PREPARED FOR:
ANN VANDERSLICE
96 DUDLEY ROAD
SUDBURY, MA

Received
SEP 19 2022
Sudbury Conservation Department

SEPTEMBER 16, 2022

SCALE: 1" = 20'

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

9-19-22