

**NOTICE OF PUBLIC MEETING
SUDBURY CONSERVATION COMMISSION**

The Sudbury Conservation Commission will hold a public meeting to review the Request for Determination of Applicability (RDA) filing for replacement of a subsurface sewage disposal system pursuant to the Wetlands Protection Act and the Sudbury Wetlands Administration Bylaw at 79 Goodman's Hill Road. Michael DiModica, applicant. The hearing will be held virtually on Monday, November 2, 2020 at 6:45pm, via Zoom. Please see the Conservation Commission web page for further information.

<https://sudbury.ma.us/conservationcommission/meeting/conservation-commission-meeting-monday-november-2-2020/>

SUDBURY CONSERVATION COMMISSION
October 21, 2020

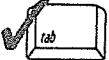


WPA Form 1- Request for Determination of Applicability

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:

Mercedes Fragale

Name

E-Mail Address

79 Goodman Hill Road

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).



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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>79 Goodman Hill Road</u>	<u>Sudbury</u>
Street Address	City/Town
<u>K 10</u>	<u>33</u>
Assessors Map/Plat Number	Parcel/Lot Number

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

The parcel is an existing parcel improved with a 5 bedroom single family dwelling

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

<u>Subsurface Sewage Disposal System</u>	<u>10/03/20</u>
Title	Date
<u> </u>	<u> </u>
Title	Date
<u> </u>	<u> </u>
Title	Date

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

The project consists of replacing an existing failed subsurface sewage disposal system (SSDS) on the site. The proposed septic tank will be approximately 52 feet from the wetland resource area and the proposed leaching field will be a minimum of 70 feet at its closest location from the wetland resource area. These will both be increases in offsets from the existing leaching field to the wetland resource area (40ft +/-).



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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:

Antonio & Mercedes Fragale

Name

79 Goodmans Hill 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.

Mercedes Fragale

Signature of Applicant

10/14/20

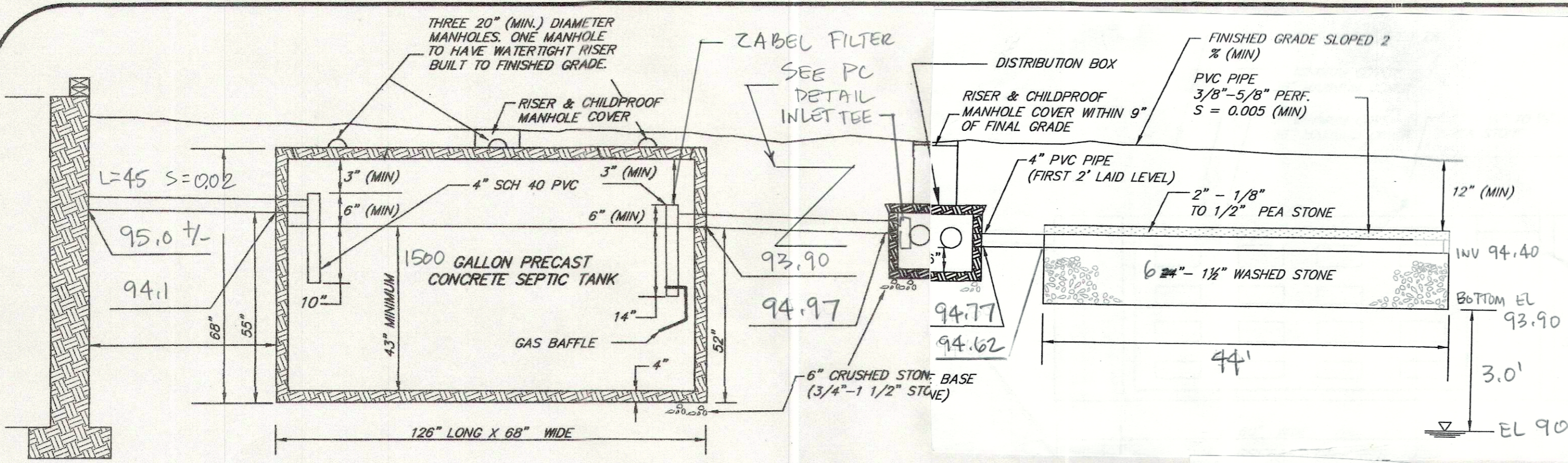
Date

M & M

Signature of Representative (if any)

10/17/20

Date



SCHEDULE OF ELEVATIONS

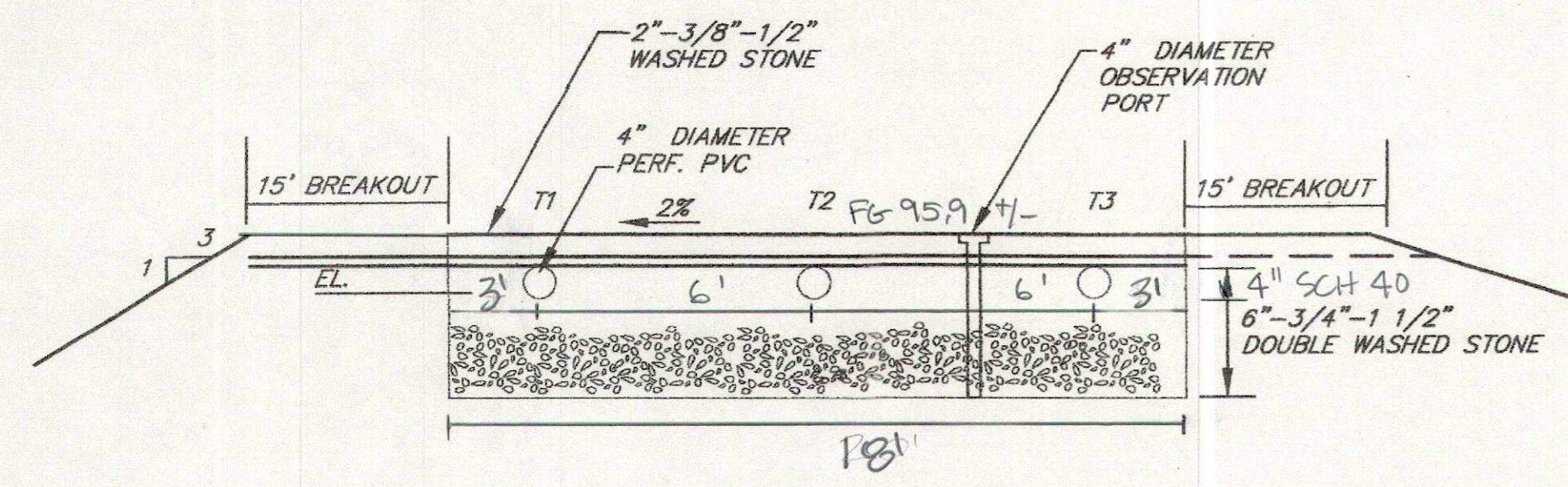
	DESIGN	AS-BUILT
INV. @ FOUNDATION	95.0	
INV. @ S.T. INLET	94.1	
INV. @ S.T. OUTLET	93.9	
INV. @ D-BOX INLET	94.97	
INV. @ D-BOX OUTLET	94.77	
INV. @ BEG. TRENCH*	94.62	
INV. @ END TRENCH*	94.40	
BOTTOM OF STONE*	93.90	

TOWN OF SUDBURY:
 1. A VARIANCE IS REQUIRED FOR THE USE OF A LEACH BED.
 2. A VARIANCE FOR OFFSET TO WETLAND FROM 100 FT TO 72 FT.

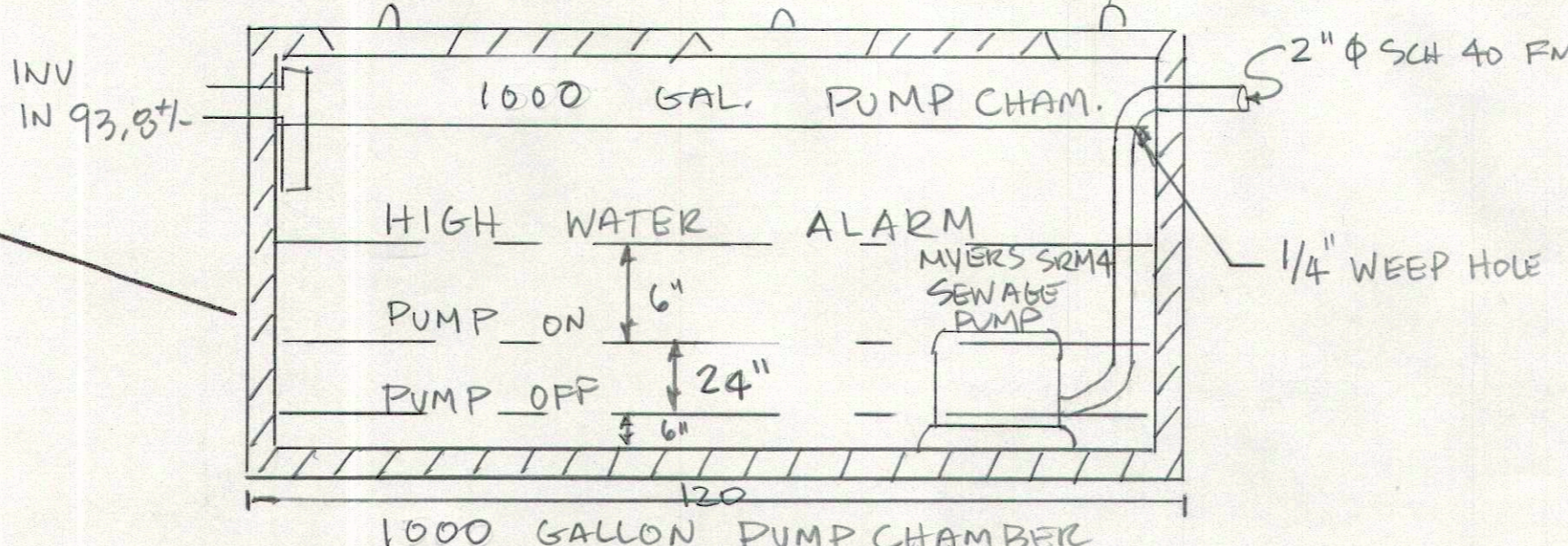
LOCAL UPGRADE:

1. 15.405 LOCAL UPGRADES APPEAR FOR OFFSET TO GROUND WATER FROM 4 FT TO 3 FT.
 2. 24" Ø COVER TO GRADE

PROFILE
NOT TO SCALE



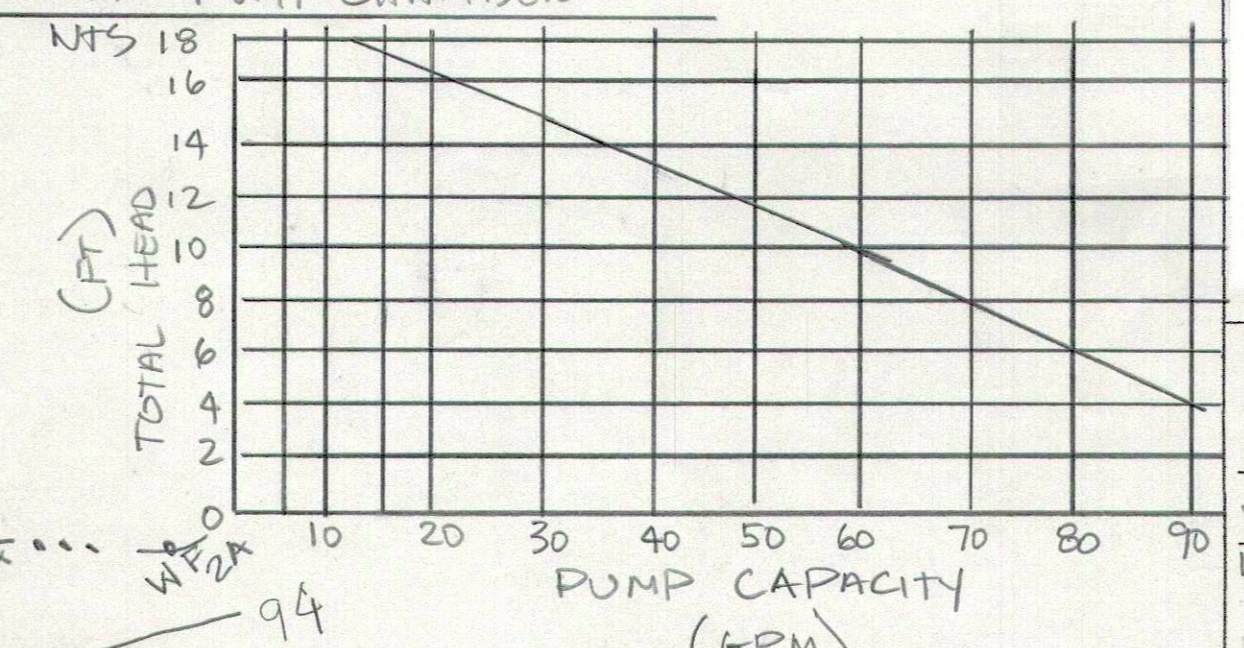
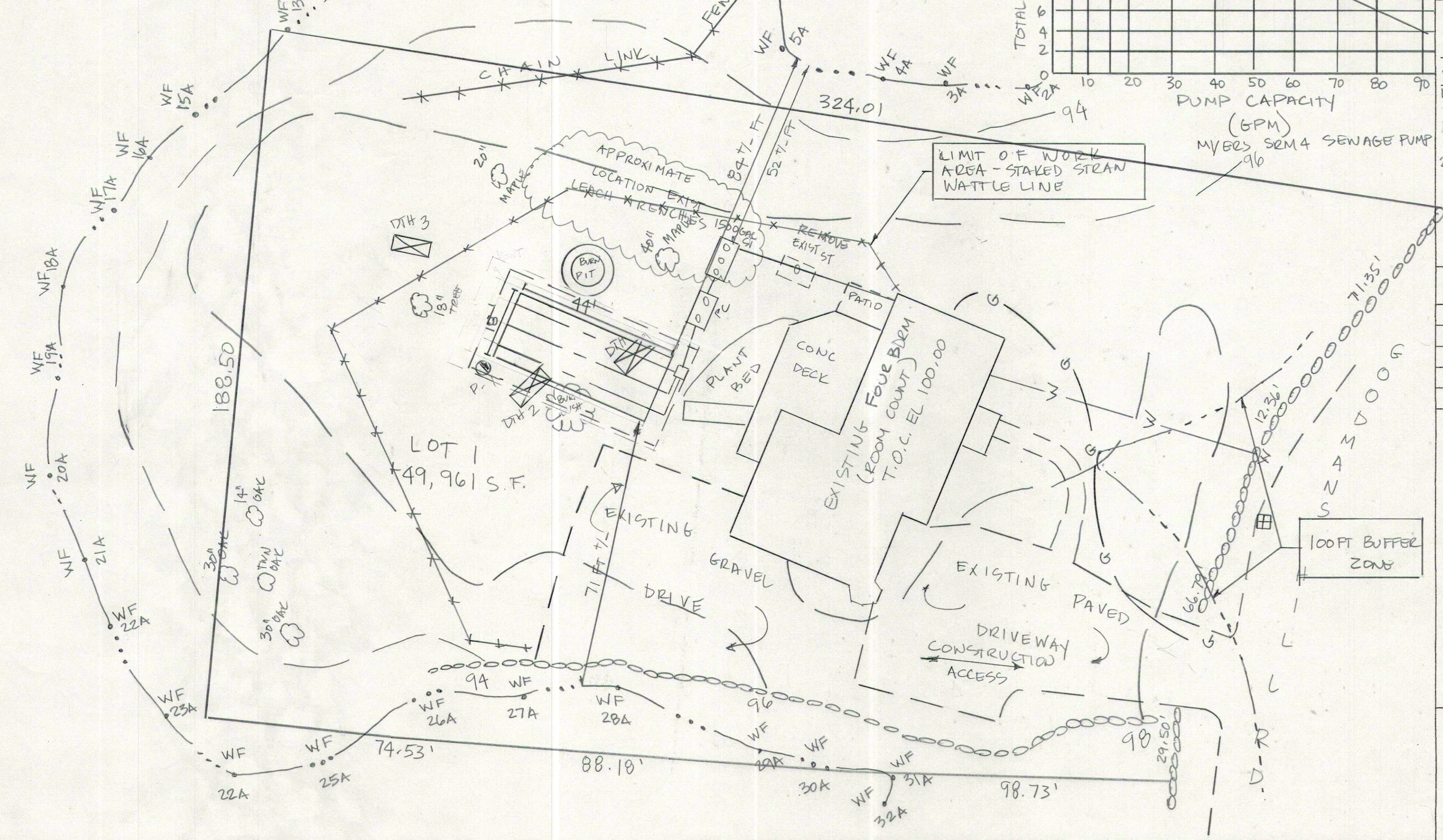
LEACHING TRENCH CROSS SECTION
NOT TO SCALE



1000 GALLON PUMP CHAMBER

CONSTRUCTION NOTES:

1. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND INSPECTED PRIOR TO CONSTRUCTION COMMENCING.
2. ALL CONSTRUCTION ACCESS SHALL BE ACROSS THE PAVED DRIVEWAY.



SOIL TEST DATA:

DATE(S): 9.25.20 CERTIFIED ON:
 PERFORMED BY: M.J. DIMODICA

WITNESSED BY: B. MURPHY

DTH#	95.97 DTH2	95.97 DTH3	95.97-
10.12	A 0-10"	A 0-10"	A 0-9"
9.12	C 10-42"	D 10-36"	C 9-24"
2.51	C1 42-115"	C1 36-120"	C1 24-114"
7.12	H.C. MOTTLES @ 60"	H.C. MOTTLES @ 60"	H.C. MOTTLES @ 60"
	EL 90.97'		

PERCOLATION TEST DATA

PERC. NO.	DATE	DEPTH	STABILIZED RATE	WITNESSED BY
P-1	9.25.20	32"	13 MPI	B. MURPHY

DESIGN INFORMATION

DESIGN FLOW: 4 BDRMS (ROOM COUNT) x 110 GPD/BDRM = 440 GPD
 DESIGN PERCOLATION RATE = 13 MPI
 DESIGN LOADING RATE = 0.56 GPD/SF
 LEACHING AREA REQUIRED: 440 GPD x SF = 786 SF
 LEACHING AREA PROVIDED: (44) (18) = 792 SF
 SEPTIC TANK CAPACITY: 550 GPD x 200% = 1100 GAL
 PROVIDE 1500 GAL S.T.

NOTES:

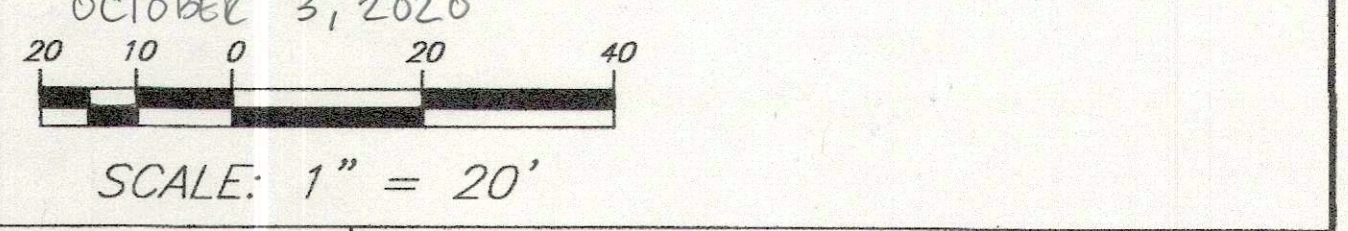
1. ELEVATIONS REFER TO BENCHMARK T.O.C. EL 100.00
2. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF TITLE 5 OF THE MASSACHUSETTS STATE ENVIRONMENTAL CODE AND THE BOARD OF HEALTH REGULATIONS OF THE TOWN OF SUDBURY (WHERE APPLICABLE).
3. FINISH GRADING SHALL BE COMPLETED IN ACCORDANCE WITH THE DETAILS 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 SOLIDS EXCEEDS 1/3 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 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 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 SUEA 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 WETLAND RESOURCE AREA FLAGS BY NORSE ENV. STEVE ERIKSEN.

LEGEND

- 120 FINISH GROUND
- 120 --- EXISTING GROUND
- 120.4 EXISTING SPOT GRADE
- 120.4 PROPOSED SPOT GRADE
- --- EDGE OF WETLAND
- --- PERCOLATION TEST
- --- DEEP TEST HOLE
- --- WATER LINE
- --- ELECTRIC, TELEPHONE, CABLE AND GAS LINE
- --- GAS LINE
- --- LIMIT OF EXCAVATION
- --- LIMIT OF WORK / STRAW WATTLE LINE

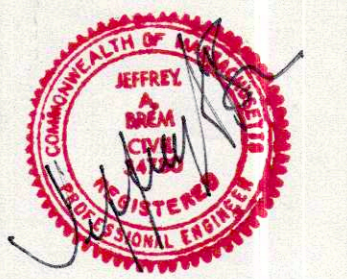
SUBSURFACE SEWAGE DISPOSAL SYSTEM
 79 GOODMAN'S HILL ROAD
 SUDBURY, MA

PREPARED FOR:
 MERCEDES FRAGALE
 79 GOODMAN'S HILL RD
 SUDBURY, MA 01776
 OCTOBER 3, 2020



PREPARED BY:

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



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.