



**NOTICE OF PUBLIC MEETING
SUDBURY CONSERVATION COMMISSION**

**Virtual Meeting 6:30 PM
REVISED**

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 replace a failed septic system within the 200-foot Riverfront Area at 14 Firecut Lane, in Sudbury, MA. Debbie Dineen, applicant. The hearing will be held on **Tuesday**, May 5 at 6:30 pm, via Zoom (*see Town website for link to join this Zoom Meeting*). Copies of the application may be reviewed on the Conservation Department web page at: <https://sudbury.ma.us/conservationcommission/meeting/conservation-commission-meeting-tuesday-may-5-2020/>. Please contact the Conservation Office with any questions at 978-440-5470.

SUDBURY CONSERVATION COMMISSION
April 22, 2020



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:

Debbie Dineen

Name

debbie_dineen@msn.com

E-Mail Address

15 Wild Horse Run

Mailing Address

Kennebunkport

City/Town

ME

State

04046

Zip Code

617-849-0199

Phone Number

Fax Number (if applicable)

2. Representative (if any):

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

508-395-3051

Phone Number

Fax Number (if applicable)

B. Determinations

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

- checkbox 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.
checkbox b. whether the boundaries of resource area(s) depicted on plan(s) and/or map(s) referenced below are accurately delineated.
checkbox c. whether the work depicted on plan(s) referenced below is subject to the Wetlands Protection Act.
checkbox 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

- checkbox e. whether the following scope of alternatives is adequate for work in the Riverfront Area as depicted on referenced plan(s).

Failed subsurface sewage disposal system is being replaced with no enlargement of the system. The chosen alternative relocates the system an additional 45'+- from the stream This is the furthest the system can be moved within the confines of the lot..



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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).

n/a

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.)

per Sudbury Assessor's records, house constructed in 1969



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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:

Deborah Dineen
Name

15 Wild Horse Run
Mailing Address

Kennebunkport
City/Town

ME
State

04046
Zip Code

Signatures:

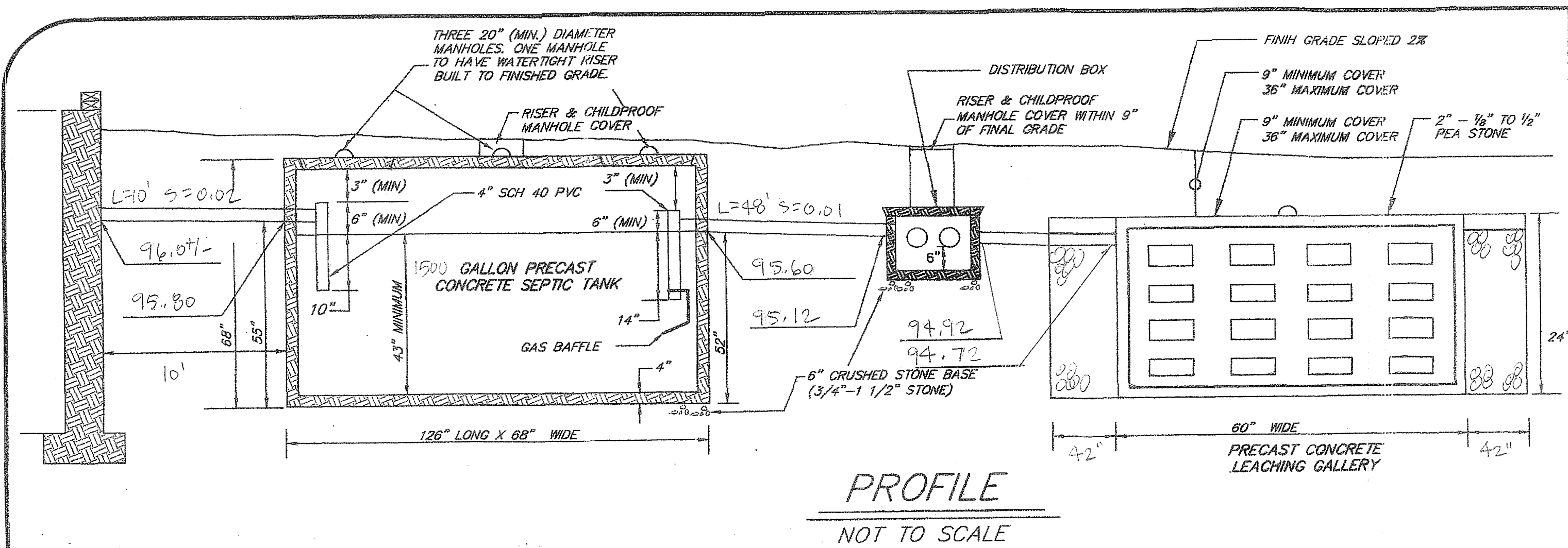
I also understand that notification of this Request will be placed in a local newspaper at my expense in accordance with Section 10.05(2)(b)(1) of the Wetlands Protection Act regulations.

Debra Dineen
Signature of Applicant

April 21, 2020
Date

Signature of Representative (if any)

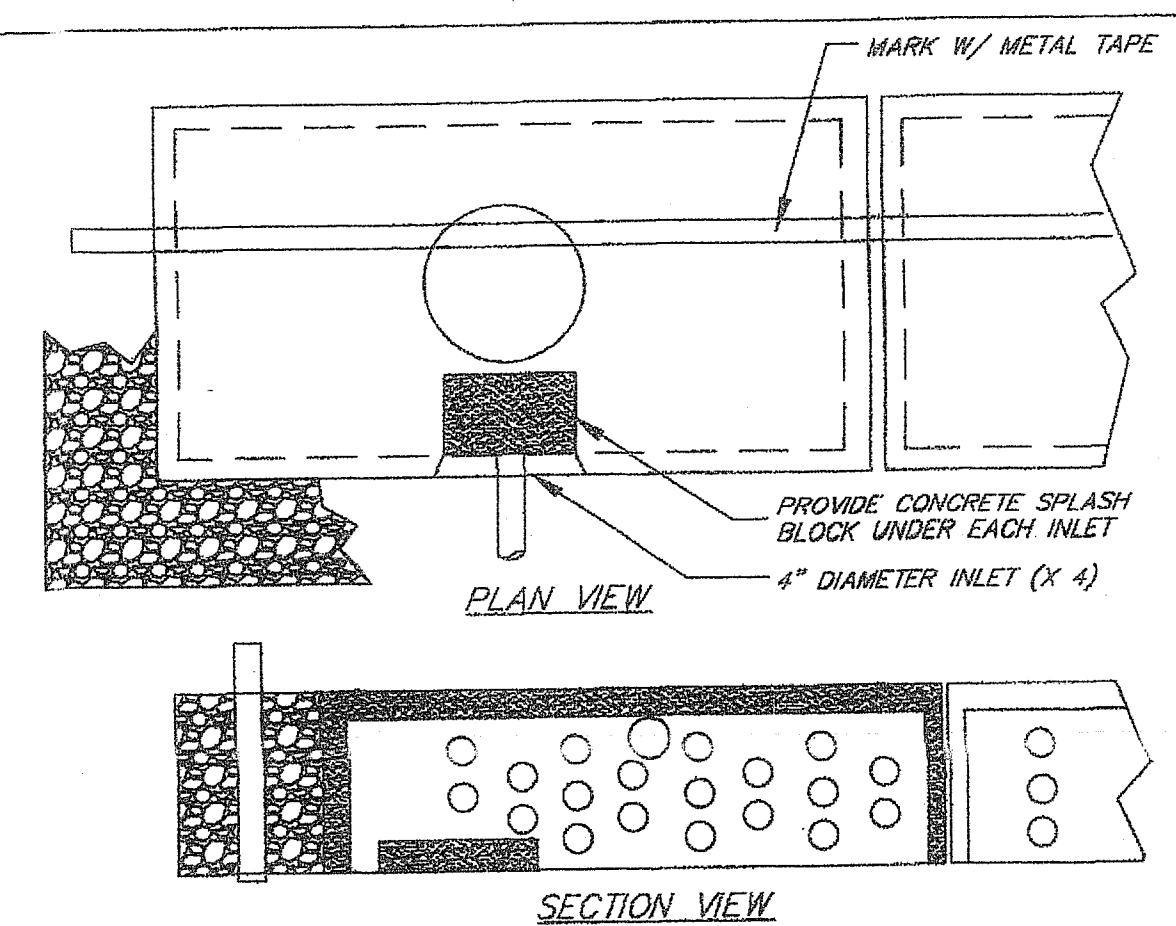
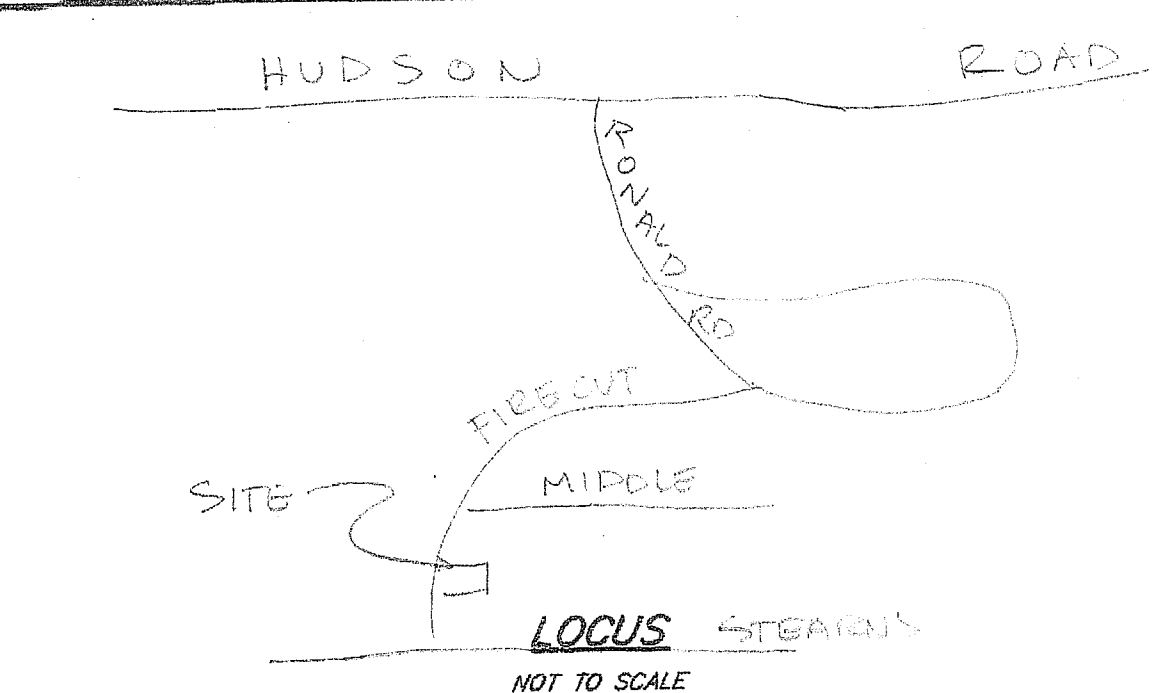
Date



SCHEDULE OF ELEVATIONS

	DESIGN	AS-BUILT
INV. @ FOUNDATION	96.07	
INV. @ S.T. INLET	95.80	
INV. @ S.T. OUTLET	95.60	
INV. @ D-BOX INLET	95.12	
INV. @ D-BOX OUTLET	94.92	
DRYWELL IN	94.72	
BOTTOM OF DRY WELL	92.72	

PROFILE
NOT TO SCALE



LEACHING GALLERY DETAILS
NOT TO SCALE

- SAS SHALL BE CONSTRUCTED ACCORDING TO 310 CMR 240, AND THE DETAILS ON THIS PLAN. S.A.S. SHALL CONSIST OF LEACHING GALLIES ARRANGED AS SHOWN ON THIS PLAN.
- GALLIES SHALL BE LGMARRE 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 1/2"-1/2" DOUBLE WASHED.

- NOTES:**
- ELEVATIONS REFER TO BENCHMARK T.O.C. 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 3/4 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 15.295(5) 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 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.
 - 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 S.D.S. 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 COMPILED FROM "SUBMISSION PLAN OF LAND PRODUCE ESTATES" PREPARED BY CHEWY ENG. DATED MAY 27, 1959.

SOIL TEST DATA: DATE(S): 4.15.20 CERTIFIED ON: PERFORMED BY: M.J. DIMODICA

WITNESSED BY: B. LANDRY

DEPTH	TEST	RESULTS	TEST	RESULTS
0'-0"	LS			
0'-6"	LS			
6'-22"	SAND			
22'-120"				

No WATER
No MOTTLES EL 88.27/-

PERCOLATION TEST DATA

PERC. NO.	DATE	DEPTH	STABILIZED RATE	WITNESSED BY
P-1	4.15.20	48"	2 MPI	B. LANDRY

DESIGN INFORMATION

DESIGN FLOW: 4 BDRM @ 110 GPD/BDRM = 440 GPD
 PERC RATE: = 2 MPI
 DESIGN LOAD FACTOR TITLE 5 = Local 50 SF/BDRM
 SIDEWALL 0.74
 BOTTOM 0.74
 TOTAL LEACHING AREA REQD 895 SF. = 200 SF/SIDEWALL
 TOTAL LEACHING AREA PROVIDED
 S.A. = (2)(2)(12) + (2)(2)(36) = 200 S.F.
 B.A. = (12)(36) = 432 S.F.
 TOTAL S.F. = 632 S.F.
 SEPTIC TANK CAPACITY:
 440 GPD x 200% = 880 ⇒ 1500 GAL PROVIDED

CONSERVATION NOTES:

- ALL WETLAND RESOURCE AREAS FLAGGED BY DEBBIE DINEEN ON APRIL 20, 2020.
- ALL FLAGS FIELD SURVEYED BY M.J. DIMODICA ON APRIL 20, 2020.
- ALL CONSTRUCTION ACCESS SHALL BE AS SHOWN ON THE SOUTHEASTLY SIDE OF THE LOT.

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
- RIVER FRONT
- BUFFER ZONE

SUBSURFACE SEWAGE DISPOSAL SYSTEM - REPAIR
 14 FIRECUT LANE
 SUDBURY, MA

PREPARED FOR:
 DEBBIE DINEEN
 14 FIRECUT LANE
 SUDBURY, MA 01776
 APRIL 21, 2020

SCALE: 1" = 20'

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

