
Sullivan, Connors & Associates

Land Surveying and Civil Engineering

Sudbury Conservation Commission
275 Old Lancaster Road
Sudbury, MA 01776

August 7, 2019

**Subject: Notice of Intent – Septic System Repair
139 Goodmans Hill Road**

Dear Members of the Commission:

On behalf of the applicant (Janet Aikens & Andrew Kinney), please find the enclosed Notice of Intent with supporting documentation for the proposed septic system repair at 139 Goodmans Hill Road including:

1. The Notice of Intent application package including:
 - Completed WPA Form 3 Notice of Intent and Wetland fee transmittal form
 - Locus Mapping;
 - List of Abutters and Notification Forms;
2. Plans "Proposed Sewage Disposal System" for 139 Goodmans Hill Road, Sudbury, MA, prepared by Sullivan Connors & Associates, dated 8/5/2019.
3. Fee checks in the amount of \$25 for the Sudbury Wetlands Administration Bylaw application fee (minor project), and \$67.50 for the WPA Notice of Intent application fee (septic system repair).

Project Description: The proposed project consists of a septic system repair / replacement. The existing lot is developed with a three bedroom house serviced by an on-site septic system. Regulated wetlands are present along the front side of the lot. The limits were delineated by Three Oaks Environmental, LLC. The existing system is located to the front of the house approximately 27 feet from the edge of wetlands at the closest point. The system is currently in failure and replacement is required. The proposed septic system will be moved to the side of the house to provide a greater separation of approximately 70 feet from the wetlands. No increase in flow has been proposed as part of the project.

If you have any questions or require any additional information please contact this office at (508) 393-9727.

Sincerely,
Sullivan Connors & Associates, Inc.


Vito Colonna, P.E.

c. MassDEP Northeast Regional Office

121 Boston Post Road • Sudbury, Massachusetts 01776
TEL (978) 443-9566 • FAX (978) 443-8915

Receipt



Summary/Receipt

Your submission is complete. Thank you for using DEP's online reporting system. You can select "My eDEP" to see a list of your transactions.

DEP Transaction ID: 1127302

*Date and Time Submitted: 8/8/2019 12:37:32 PM

Other Email :

Form Name: WPA Form 3 - NOI

Project Location

City/Town Name: SUDBURY

location: 139 GOODMAN'S HILL ROAD

General Description: SEPTIC SYSTEM REPAIR/REPLACEMENT

Applicant Information

Name: JANET AIKENS

Company

Address: 139 GOODMAN'S HILL ROAD, SUDBURY, MA, 01776

Payment Information

Your fee for the state share is \$: 42.50

If you have paid by credit card or ACH, thank you for your payment. If you are paying by check or money order, please send your check (payable to the Commonwealth of Massachusetts) to MassDEP, Box 4062, Boston, MA 02211

Additional Forms Submitted

WPA Form 3 - NOI (Fee Transmittal)(ONLINE ONLY)

Ancillary Document Uploaded/Mailed

139 Goodmans Hill Rd. Sudbury Septic Plan

[My eDEP](#)

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands
WPA Form 3 - Notice of Intent
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:
MassDEP File #:
eDEP Transaction #:1127302
City/Town:SUDBURY

A.General Information

1. Project Location:

a. Street Address	139 GOODMAN'S HILL ROAD		
b. City/Town	SUDBURY	c. Zip Code	01776
d. Latitude	42.36848N	e. Longitude	71.40653W
f. Map/Plat #	J10	g.Parcel/Lot #	503

2. Applicant:

Individual Organization

a. First Name	JANET	b. Last Name	AIKENS
c. Organization			
d. Mailing Address	139 GOODMAN'S HILL ROAD		
e. City/Town	SUDBURY	f. State	MA
g. Zip Code			01776
h. Phone Number	978-996-7511	i. Fax	
j. Email			

3. Property Owner:

more than one owner

a. First Name	JANET & ANDREW KINNEY	b. Last Name	AIKENS
c. Organization			
d. Mailing Address	139 GOODMAN'S HILL ROAD		
e. City/Town	SUDBURY	f. State	MA
g. Zip Code			01776
h. Phone Number	978-996-7511	i. Fax	
j. Email			

4. Representative:

a. First Name	VITO	b. Last Name	COLONNA
c. Organization	SULLIVAN, CONNORS & ASSOCIATES		
d. Mailing Address	121 BOSTON POST ROAD		
e. City/Town	SUDBURY	f. State	MA
g. Zip Code			01776
h. Phone Number	508-393-9727	i. Fax	
j. Email			vc@csei.net

5. Total WPA Fee Paid (Automatically inserted from NOI Wetland Fee Transmittal Form):

a. Total Fee Paid	110.00	b. State Fee Paid	42.50	c. City/Town Fee Paid	67.50
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6. General Project Description:

SEPTIC SYSTEM REPAIR/REPLACEMENT

7a. Project Type:

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Single Family Home | 2. <input type="checkbox"/> Residential Subdivision |
| 3. <input type="checkbox"/> Limited Project Driveway Crossing | 4. <input type="checkbox"/> Commercial/Industrial |
| 5. <input type="checkbox"/> Dock/Pier | 6. <input type="checkbox"/> Utilities |
| 7. <input type="checkbox"/> Coastal Engineering Structure | 8. <input type="checkbox"/> Agriculture (eg., cranberries, forestry) |
| 9. <input type="checkbox"/> Transportation | 10. <input type="checkbox"/> Other |

7b. Is any portion of the proposed activity eligible to be treated as a limited project subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
WPA Form 3 - Notice of Intent
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:
 MassDEP File #:
 eDEP Transaction #:1127302
 City/Town:SUDBURY

1. Yes No If yes, describe which limited project applies to this project:
 2. Limited Project

8. Property recorded at the Registry of Deeds for:

a. County:	b. Certificate:	c. Book:	d. Page:
SOUTHERN MIDDLESEX		41446	174

B. Buffer Zone & Resource Area Impacts (temporary & permanent)

1. Buffer Zone & Resource Area Impacts (temporary & permanent):

This is a Buffer Zone only project - Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.

2. Inland Resource Areas: (See 310 CMR 10.54 - 10.58, if not applicable, go to Section B.3. Coastal Resource Areas)

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
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a. <input type="checkbox"/> Bank	1. linear feet	2. linear feet
b. <input type="checkbox"/> Bordering Vegetated Wetland	1. square feet	2. square feet
c. <input type="checkbox"/> Land under Waterbodies and Waterways	1. Square feet	2. square feet
	3. cubic yards dredged	
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet	2. square feet
	3. cubic feet of flood storage lost	4. cubic feet replaced
e. <input type="checkbox"/> Isolated Land Subject to Flooding	1. square feet	
	2. cubic feet of flood storage lost	3. cubic feet replaced
f. <input type="checkbox"/> Riverfront Area	1. Name of Waterway (if any)	
2. Width of Riverfront Area (check one)	<input type="checkbox"/> 25 ft. - Designated Densely Developed Areas only	
	<input type="checkbox"/> 100 ft. - New agricultural projects only	
	<input type="checkbox"/> 200 ft. - All other projects	
3. Total area of Riverfront Area on the site of the proposed project		square feet
4. Proposed Alteration of the Riverfront Area:		
a. total square feet	b. square feet within 100 ft.	c. square feet between 100 ft. and 200 ft.
5. Has an alternatives analysis been done and is it attached to this NOI?		<input type="checkbox"/> Yes <input type="checkbox"/> No

Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
WPA Form 3 - Notice of Intent
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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 eDEP Transaction #:1127302
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6. Was the lot where the activity is proposed created prior to August 1, 1996? Yes No

3. Coastal Resource Areas: (See 310 CMR 10.25 - 10.35)

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input type="checkbox"/> Designated Port Areas	Indicate size under	Land under the ocean below,
b. <input type="checkbox"/> Land Under the Ocean	1. square feet	
	2. cubic yards dredged	
c. <input type="checkbox"/> Barrier Beaches	Indicate size under Coastal Beaches and/or Coastal Dunes, below	
d. <input type="checkbox"/> Coastal Beaches	1. square feet	2. cubic yards beach nourishment
e. <input type="checkbox"/> Coastal Dunes	1. square feet	2. cubic yards dune nourishment
f. <input type="checkbox"/> Coastal Banks	1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	1. square feet	
h. <input type="checkbox"/> Salt Marshes	1. square feet	2. sq ft restoration, rehab, crea.
i. <input type="checkbox"/> Land Under Salt Ponds	1. square feet	
	2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	1. square feet	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, Inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	
	1. cubic yards dredged	
l. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	1. square feet	

4. Restoration/Enhancement

Restoration/Replacement

If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please entered the additional amount here.

a. square feet of BVW

b. square feet of Salt Marsh

5. Projects Involves Stream Crossings

Project Involves Streams Crossings

If the project involves Stream Crossings, please enter the number of new stream crossings/number of replacement stream crossings.

a. number of new stream crossings

b. number of replacement stream crossings

C. Other Applicable Standards and Requirements

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage of Endangered Species program (NHESP)?

a. Yes No

If yes, include proof of mailing or hand delivery of NOI to:

Natural Heritage and Endangered Species
Program
Division of Fisheries and Wildlife
1 Rabbit Hill Road
Westborough, MA 01581

b. Date of map:2017

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18)....

c. Submit Supplemental Information for Endangered Species Review * (Check boxes as they apply)

1. Percentage/acreage of property to be altered:

(a) within Wetland Resource Area

percentage/acreage

(b) outside Resource Area

percentage/acreage

2. Assessor's Map or right-of-way plan of site

3. Project plans for entire project site, including wetland resource areas and areas outside of wetland jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work **

a. Project description (including description of impacts outside of wetland resource area & buffer zone)

b. Photographs representative of the site

c. MESA filing fee (fee information available at: <http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/mass-endangered-species-act-mesa/mesa-fee-schedule.html>)

Make check payable to "Natural Heritage & Endangered Species Fund" and mail to NHESP at above address

Projects altering 10 or more acres of land, also submit:

d. Vegetation cover type map of site

e. Project plans showing Priority & Estimated Habitat boundaries

d. OR Check One of the following

1. Project is exempt from MESA review. Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, <http://www.mass.gov/eea/agencies/dfg/dfw/laws-regulations/cmr/321-cmr-1000-massachusetts-endangered-species-act.html#10.14>; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)

2. Separate MESA review ongoing.

a. NHESP Tracking Number

b. Date submitted to NHESP

3. Separate MESA review completed.

□ **Massachusetts Department of Environmental Protection**

Bureau of Resource Protection - Wetlands

WPA Form 3 - Notice of Intent

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

Provided by MassDEP:

MassDEP File #:

eDEP Transaction #:1127302

City/Town:SUDBURY

Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review...

2. For coastal projects only, is any portion of the proposed project located below the mean high waterline or in a fish run?
a. Not applicable - project is in inland resource area only

b. Yes No

If yes, include proof of mailing or hand delivery of NOI to either:

South Shore - Cohasset to Rhode Island, and the Cape & Islands:

North Shore - Hull to New Hampshire:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
836 S. Rodney French Blvd
New Bedford, MA 02744

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930

If yes, it may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office. For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional office.

3. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?

a. Yes No

If yes, provide name of ACEC (see instructions to WPA Form 3 or DEP Website for ACEC locations). **Note:** electronic filers click on Website.

b. ACEC Name

4. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?

a. Yes No

5. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L.c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L.c. 130, § 105)?

a. Yes No

6. Is this project subject to provisions of the MassDEP Stormwater Management Standards?

a. Yes, Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:

1. Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol.2, Chapter 3)
2. A portion of the site constitutes redevelopment
3. Proprietary BMPs are included in the Stormwater Management System

b. No, Explain why the project is exempt:

1. Single Family Home
2. Emergency Road Repair

Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

WPA Form 3 - Notice of Intent

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

Provided by MassDEP:
MassDEP File #:
eDEP Transaction #:1127302
City/Town:SUDBURY

3. Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

D. Additional Information

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

Online Users: Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department by regular mail delivery.

1. USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
2. Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.
3. Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s)).
4. List the titles and dates for all plans and other materials submitted with this NOI.

a. Plan Title:	b. Plan Prepared By:	c. Plan Signed/Stamped By:	c. Revised Final Date:	e. Scale:
PROPOSED SEWAGE DISPOSAL SYSTEM FOR 139 GOODMAN'S HILL RD. SUDBURY, MA	SULLIVAN, CONNORS & ASSOCIATES	VITO COLONNA	8/5/2019	1" = 20'

5. If there is more than one property owner, please attach a list of these property owners not listed on this form.
6. Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.
7. Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.
8. Attach NOI Wetland Fee Transmittal Form.
9. Attach Stormwater Report, if needed.

Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
WPA Form 3 - Notice of Intent
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:
 MassDEP File #:
 eDEP Transaction #:1127302
 City/Town:SUDBURY

E. Fees

1. Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

<p>2311</p> <p>2. Municipal Check Number</p> <p>Confirmation ID: cb722678-26ec-4d10-9db4-3f3ea0847bd2</p> <p>4. State Check Number</p> <p>Janet</p> <p>6. Payer name on check: First Name</p>	<p>8/1/2019</p> <p>3. Check date</p> <p>pd. online 8/8/2019</p> <p>5. Check date</p> <p>Aikens</p> <p>7. Payer name on check: Last Name</p>
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F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

<p>Janet Aikens</p> <p>1. Signature of Applicant</p> <p>Janet Aikens & Andrew Kinney</p> <p>3. Signature of Property Owner(if different)</p> <p>Vito Colonna</p> <p>5. Signature of Representative (if any)</p>	<p>8/8/2019</p> <p>2. Date</p> <p>8/8/2019</p> <p>4. Date</p> <p>8/8/2019</p> <p>6. Date</p>
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For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a copy of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

Other:

If the applicant has checked the "yes" box in Section C, Items 1-3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.

Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
WPA Form 3 - Notice of Wetland Fee Transmittal
Form

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

Provided by MassDEP:
 MassDEP File #:
 eDEP Transaction #:1127302
 City/Town:SUDBURY

A. Applicant Information

1. Applicant:

a. First Name	JANET	b. Last Name	AIKENS		
c. Organization					
d. Mailing Address	139 GOODMAN'S HILL ROAD				
e. City/Town	SUDBURY	f. State	MA	g. Zip Code	01776
h. Phone Number	9789967511	i. Fax	j. Email		

2. Property Owner:(if different)

a. First Name	JANET & ANDREW KINNEY	b. Last Name	AIKENS		
c. Organization					
d. Mailing Address	139 GOODMAN'S HILL ROAD				
e. City/Town	SUDBURY	f. State	MA	g. Zip Code	01776
h. Phone Number	9789967511	i. Fax	j. Email		

3. Project Location:

a. Street Address	139 GOODMAN'S HILL ROAD	b. City/Town	SUDBURY
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Are you exempted from Fee? (YOU HAVE SELECTED 'NO')

Note: Fee will be exempted if you are one of the following:

- City/Town/County/District
- Municipal Housing Authority
- Indian Tribe Housing Authority
- MBTA

State agencies are only exempt if the fee is less than \$100

B. Fees

Activity Type	Activity Number	Activity Fee	RF Multiplier	Sub Total
E.) WORK ON SEPTIC SYSTEM SEPARATE FROM HOUSE	1	110.00		110.00

City/Town share of filing fee	State share of filing fee	Total Project Fee
\$67.50	\$42.50	\$110.00

Transaction Overview Trans# 1127302 ID# WPA Form 3 - NOI (Fee Transmittal)



Payment

Payment Confirmation

Thank you. Your payment has been received and payment receipt has been emailed.

DEP TRANS # 1127302

Payment Amount: \$42.50

Payment Date: 8/8/2019 12:33:19 PM

DEP Payment Confirmation ID: cb722678-26ec-4d10-9db4-3f3ea0847bd2

Note: Payment received after 3:30pm will not be posted until the next business day.

Abutters List[print this list](#)

Date: July 23, 2019

Subject Property Address: 139 GOODMAN'S HILL RD Sudbury, MA
Subject Property ID: J10-0503

Search Distance: 100 Feet

Prop ID: J09-0510
Prop Location: 40 OLD LANCASTER RD Sudbury, MA
Owner: ORTIZ JORGE E & VERNI ANA E
Co-Owner:
Mailing Address:

40 OLD LANCASTER RD
SUDBURY, MA 01776

Prop ID: J09-0511
Prop Location: 48 OLD LANCASTER RD Sudbury, MA
Owner: HANNAUER CAROLYN E
Co-Owner:
Mailing Address:
48 OLD LANCASTER RD
SUDBURY, MA 01776

Prop ID: J09-0512
Prop Location: OLD LANCASTER RD Sudbury, MA
Owner: HANNAUER CAROLYN E
Co-Owner:
Mailing Address:
48 OLD LANCASTER RD
SUDBURY, MA 01776

Prop ID: J10-0013
Prop Location: 140 GOODMAN'S HILL RD Sudbury, MA
Owner: SAMOYLOV VLADIMIR M &
Co-Owner: SIGAREVA MARINA
Mailing Address:
140 GOODMAN'S HILL RD
SUDBURY, MA 01776

Prop ID: J10-0502
Prop Location: 141 GOODMANS HILL RD Sudbury, MA
Owner: GOLDTHWAITE DORIS E & BENJAMIN J
Co-Owner: TRUSTEES DORIS E GOLDTHWAITE
Mailing Address:
141 GOODMAN HILL RD
SUDBURY, MA 01776

Prop ID: J10-0504
Prop Location: 133 GOODMANS HILL RD Sudbury, MA
Owner: WELLEMAYER JASON R & MEGAN P
Co-Owner:
Mailing Address:
133 GOODMANS HILL ROAD
SUDBURY, MA 01776

TOWN OF SUDBURY
BOARD OF ASSESSORS
278 OLD SUDBURY ROAD
SUDBURY, MA 01776



Two handwritten signatures in black ink, one above the other, appearing to be official signatures of the assessors.

AFFIDAVIT OF SERVICE
Under the Massachusetts Wetlands Protection Act
And the Town of Sudbury Wetlands Bylaw

I, Vito Colonna of Sullivan Connors & Associates., hereby certify under the pains and penalties of perjury that on August 9, 2019 I gave notification to abutters in compliance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40, and the DEP Guide to Abutter Notification dated April 8, 1994, in connection with the following matter:

A Notice of Intent filed under the Massachusetts Wetlands Protection Act and the Town of **Sudbury** Wetlands Bylaw by **Janet Aikens & Andrew Kinney** with the **Sudbury** Conservation Commission on August 9, 2019 for property located at **139 Goodmans Hill Road, Sudbury, MA.**

The form of the notification, and a list of the abutters to whom it was given and their addresses are attached to this Affidavit of Service.



Name

8/9/2019

Date

***Notification to Abutters Under the
Massachusetts Wetlands Protection Act
Sudbury Wetlands Administration Bylaw***

In accordance with the second paragraph of Massachusetts General Laws Chapter 131,
Section 40, you are hereby notified of the following:

- A. The name of the Applicant is **Janet Aikens & Andrew Kinney.**
- B. The Applicant has filed a Notice of Intent with the Conservation Commission of the Town of **Sudbury** seeking permission to discharge to, remove, fill, dredge or alter an Area Subject to Protection (Wetland Resource Area and/or Buffer Zone) Under the Massachusetts Wetlands Protection Act (General Laws Chapter 131, Section 40) and Sudbury Wetlands Administration Bylaw.
- C. The address of the lot where the activity is proposed: **139 Goodmans Hill Road**
(map J10, parcel 503)
- D. The activity consists of: **Septic system repair**
- E. Copies of the Notice of Intent may be examined at **Sudbury Conservation Commission Office** between the hours of **9 am - 3 pm on Mon. – Thurs. & 10 am – 2 pm Fri.** For more information, call: **978-440-5471.** Check One: This is the Applicant___, representative___, or other **X** (Conservation Commission Office).
- F. Copies of the Notice of Intent may be obtained (upon payment of reproduction cost) from the **Applicant's representative,** by calling this telephone number **(508) 393-9727** between the hours of **10 am – 4 pm** on the following days of the week: **Mon. – Fri.**
- G. Information regarding the date, time, and place of the public hearing may be obtained from **Sudbury Conservation Commission Office** by calling this telephone number **978-440-5471** between the hours of **9 am - 3 pm on Mon. – Thurs. & 10 am – 2 pm Fri.** This is the Applicant___, representative___, or other **X** (Conservation Commission Office).

Note: Public Hearing Notice, including its date, time, and place, will be published at least five (5) days in advance in the

Sudbury Town Crier
(name of newspaper)

Note: Notice of the public hearing, including its date, time, and place, will be posted in the Town Hall not less than forty-eight (48) hours in advance.

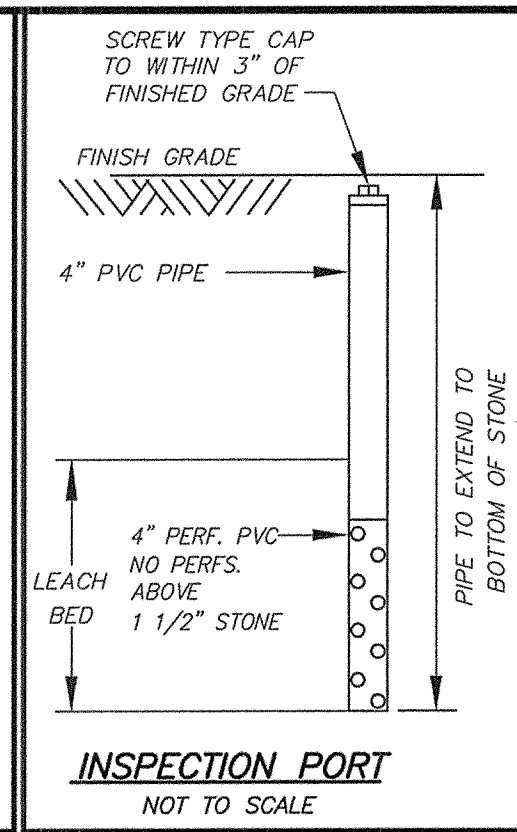
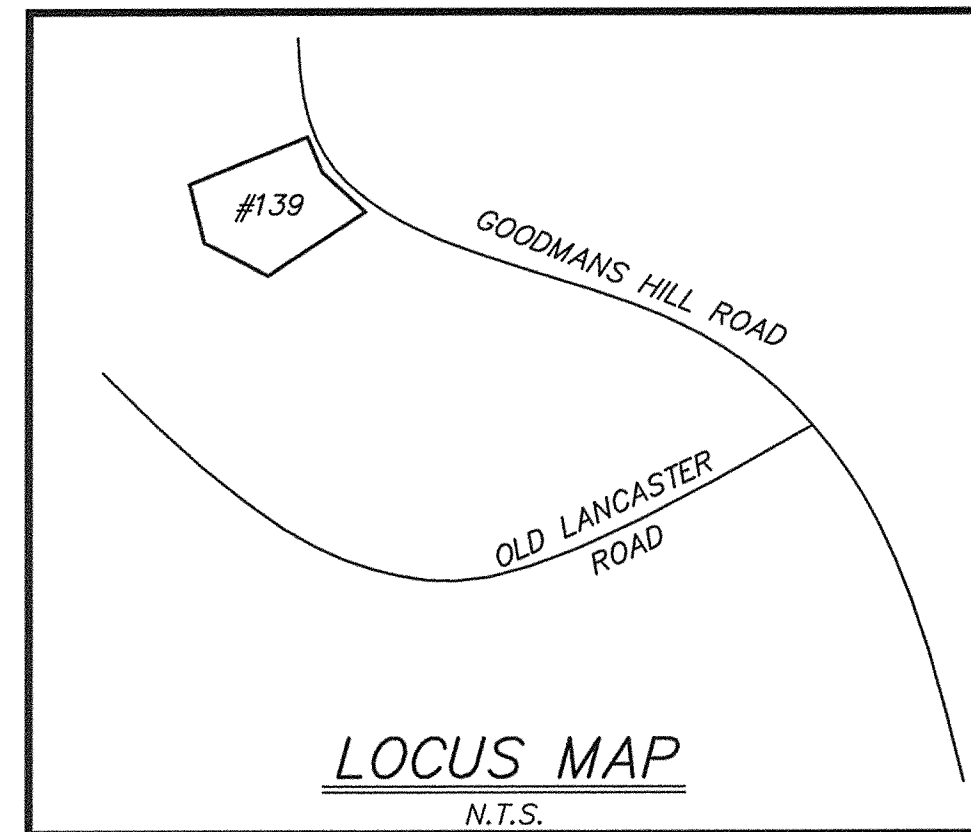
Note: You also may contact your local Conservation Commission or the nearest Department of Environmental Protection (DEP) for more information about this application or the Wetlands Protection Act. To contact DEP, call

Central region: 508-792-7650

Northeast region: 978-661-7600

Southeast region: 508-946-2800

Western region: 413-784-1100

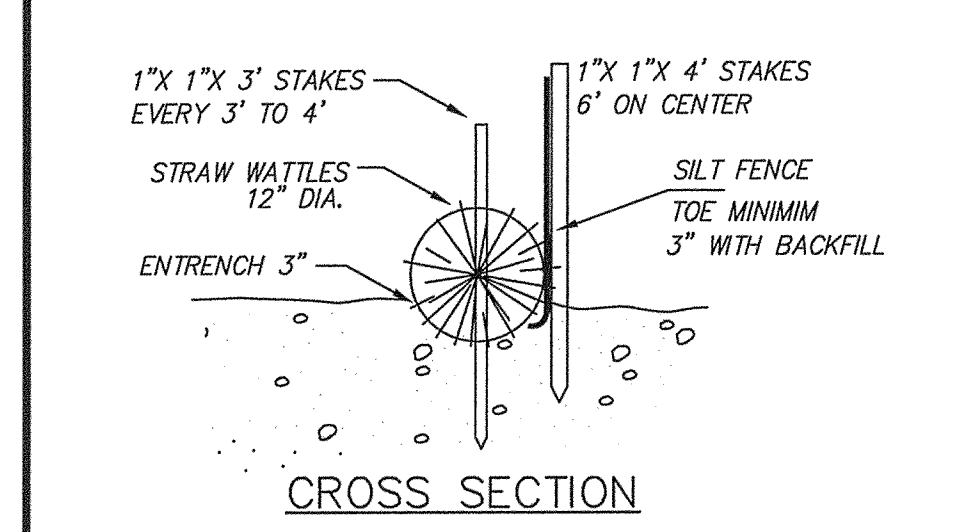
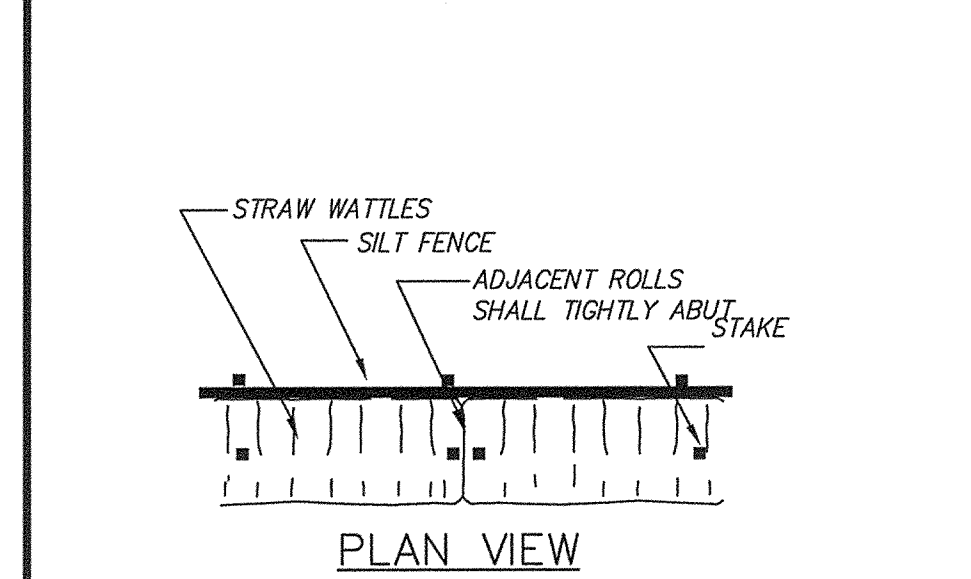


SCHEDULE OF ELEVATIONS

TOP OF FOUNDATION T.C. =	201.29
CONTRACTOR TO CONFIRM INVERTS PRIOR TO CONSTRUCTION	
INVERT OF PIPE AT FOUNDATION =	BELOW SLAB
INVERT AT SEPTIC TANK INLET =	197.4±
INVERT AT SEPTIC TANK OUTLET =	197.2
INVERT AT DISTRIBUTION BOX INLET =	196.8
INVERT AT DISTRIBUTION BOX OUTLET =	196.6
INVERT AT LEACHING GALLEY (IN) =	196.4
ELEVATION OF GALLEY BOTTOM =	194.4
FINISH GRADE OVER LEACHING AREA =	200±

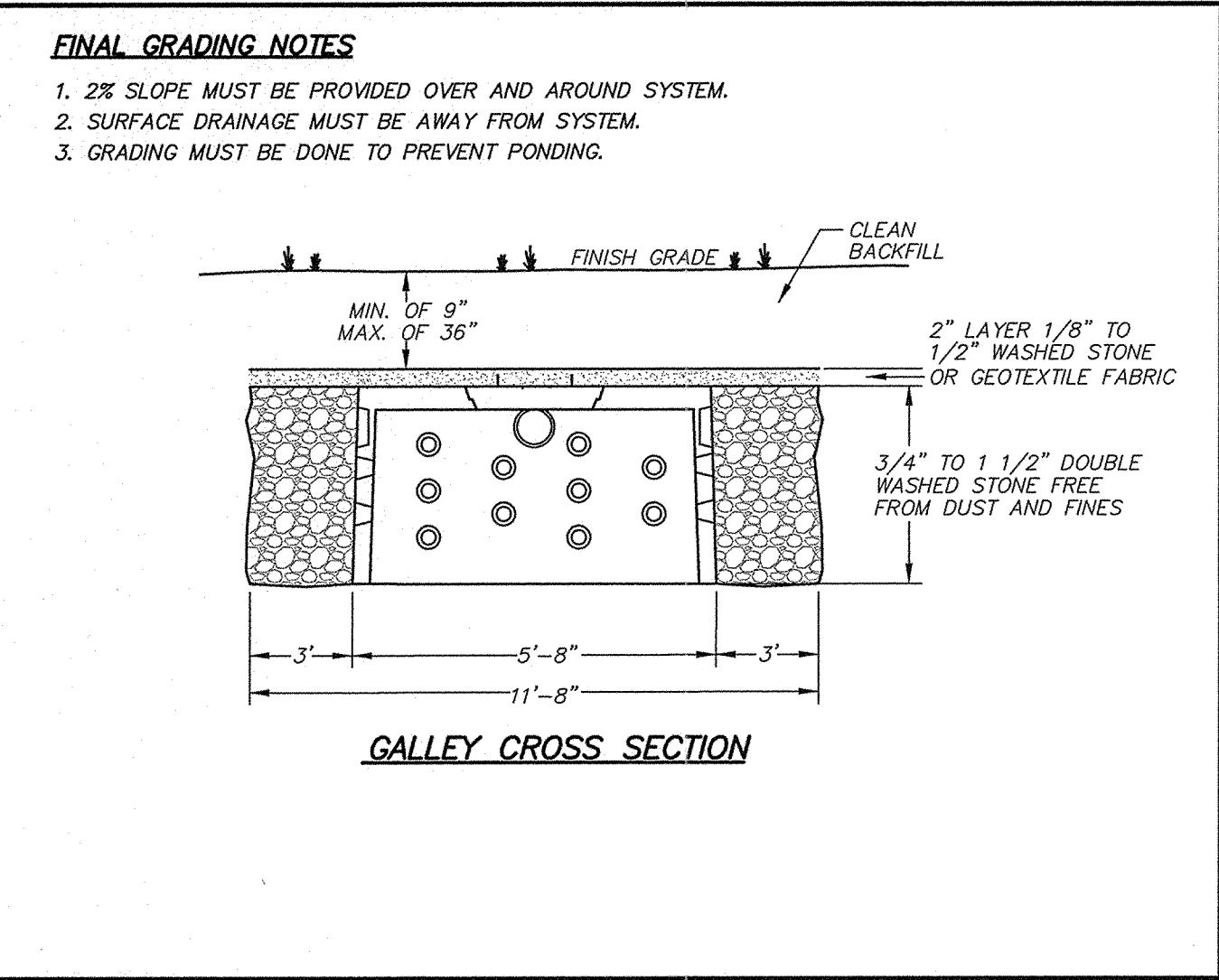
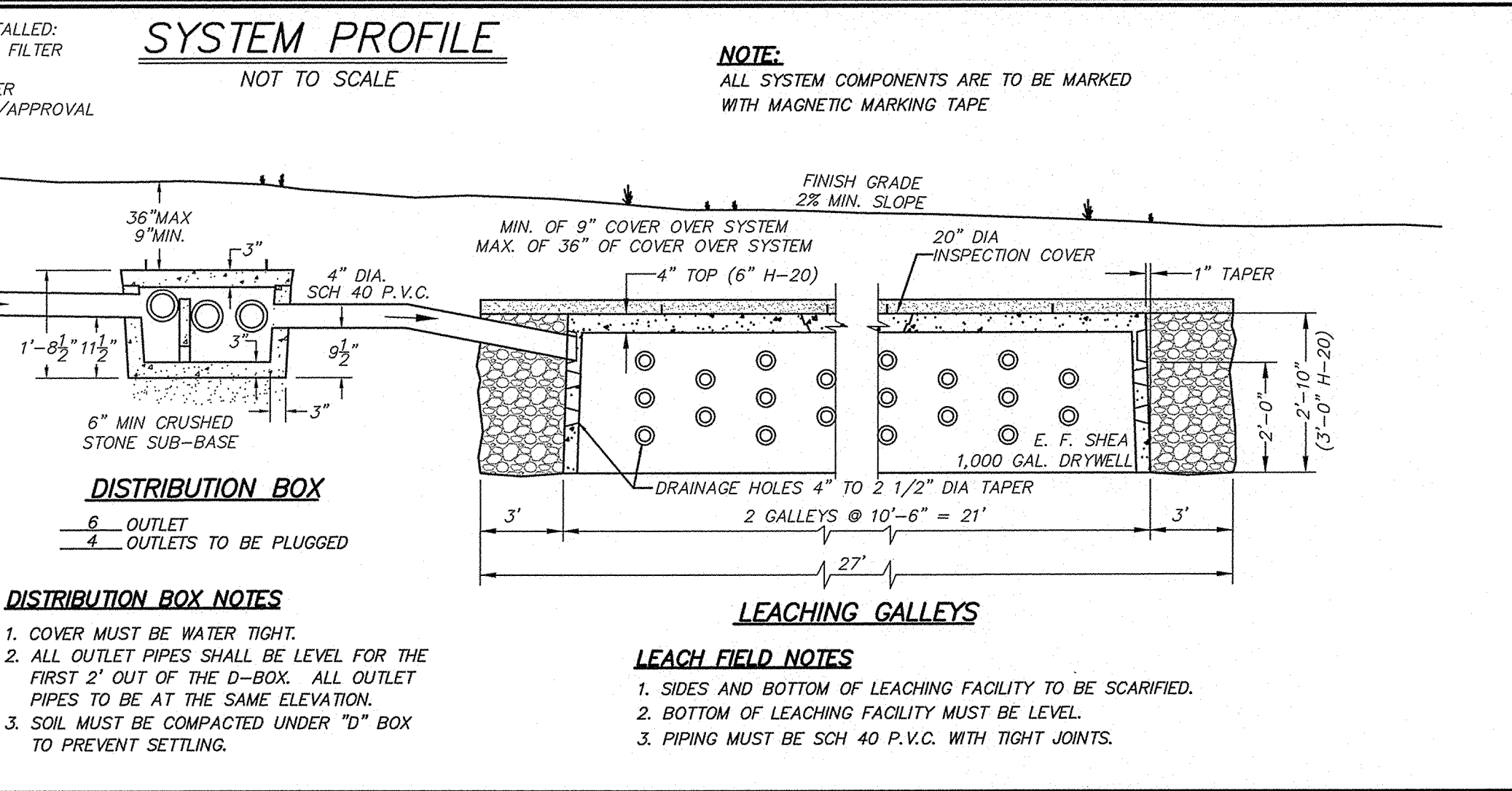
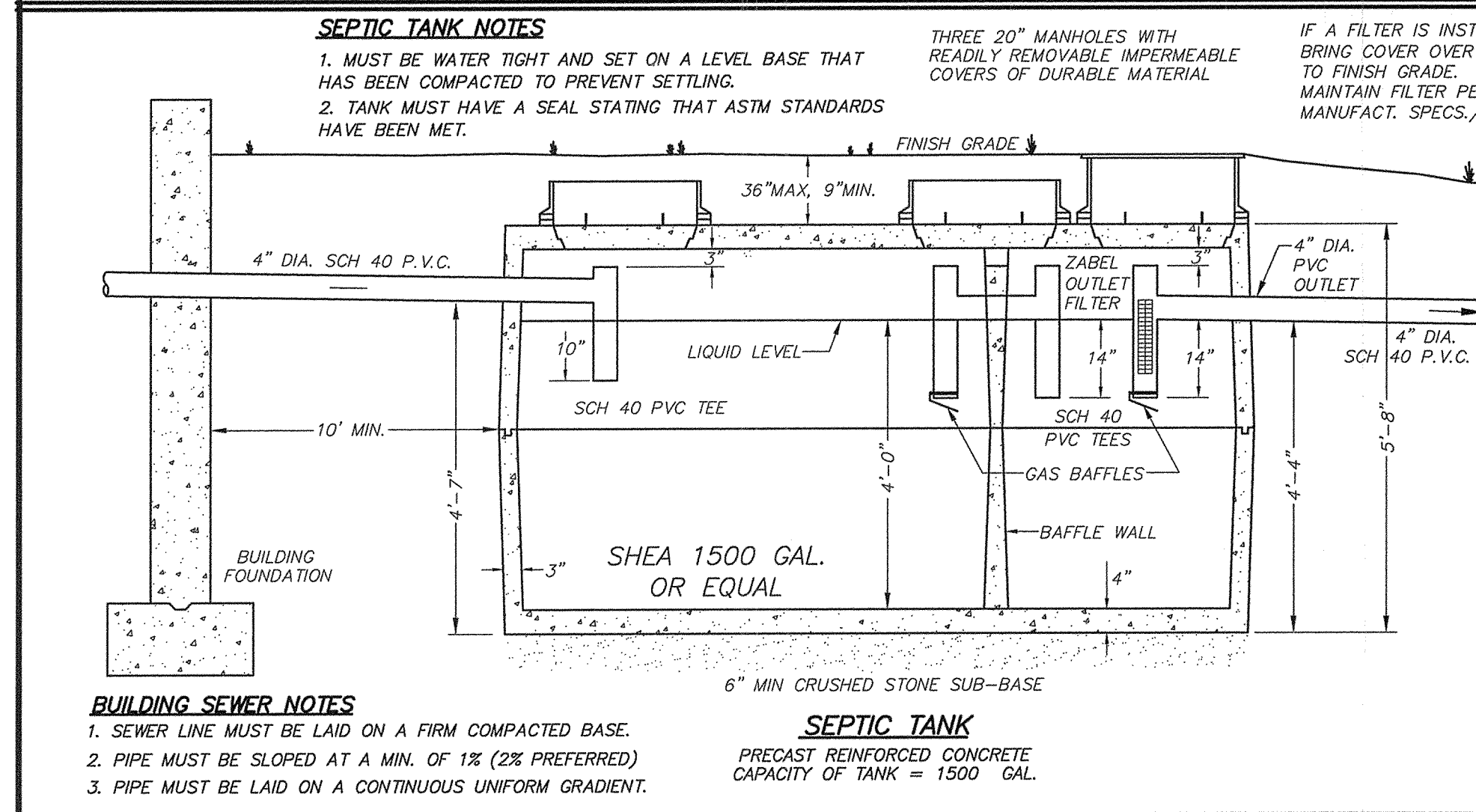
DESIGN CRITERIA

- ESTIMATED FLOW = 3 BDRMS X 110 GPD/BR=330 GPD
- DESIGN PERCOLATION RATE = 5 MPI
- LEACHING AREA CALCULATION =
 LOCAL BYLAWS: 50 S.F. OF SIDEWALL/BDRM = 150 S.F. REQUIRED
 $SA = 2(11.7 + 27 \times 2) = 154 \text{ SF} > 150 \text{ SF}$
 $BA = 27 \times 11.7 = 315 \text{ SF}$



SEDIMENT BARRIER DETAIL
NOT TO SCALE

STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL TO ENSURE RUNOFF DOES NOT RUN UNDER OR AROUND ROLL.



SEPTIC TANK NOTES

- MUST BE WATER TIGHT AND SET ON A LEVEL BASE THAT HAS BEEN COMPACTED TO PREVENT SETTLING.
- TANK MUST HAVE A SEAL STATING THAT ASTM STANDARDS HAVE BEEN MET.

THREE 20" MANHOLES WITH READILY REMOVABLE IMPERMEABLE COVERS OF DURABLE MATERIAL

IF A FILTER IS INSTALLED: BRING COVER OVER FILTER TO FINISH GRADE. MAINTAIN FILTER PER MANUFACT. SPECS./APPROVAL

SEPTIC TANK
PRECAST REINFORCED CONCRETE CAPACITY OF TANK = 1500 GAL.

BUILDING SEWER NOTES

- SEWER LINE MUST BE LAID ON A FIRM COMPACTED BASE.
- PIPE MUST BE SLOPED AT A MIN. OF 1% (2% PREFERRED)
- PIPE MUST BE LAID ON A CONTINUOUS UNIFORM GRADIENT.

DISTRIBUTION BOX NOTES

- COVER MUST BE WATER TIGHT.
- ALL OUTLET PIPES SHALL BE LEVEL FOR THE FIRST 2' OUT OF THE D-BOX. ALL OUTLET PIPES TO BE AT THE SAME ELEVATION.
- SOIL MUST BE COMPACTED UNDER "D" BOX TO PREVENT SETTLING.

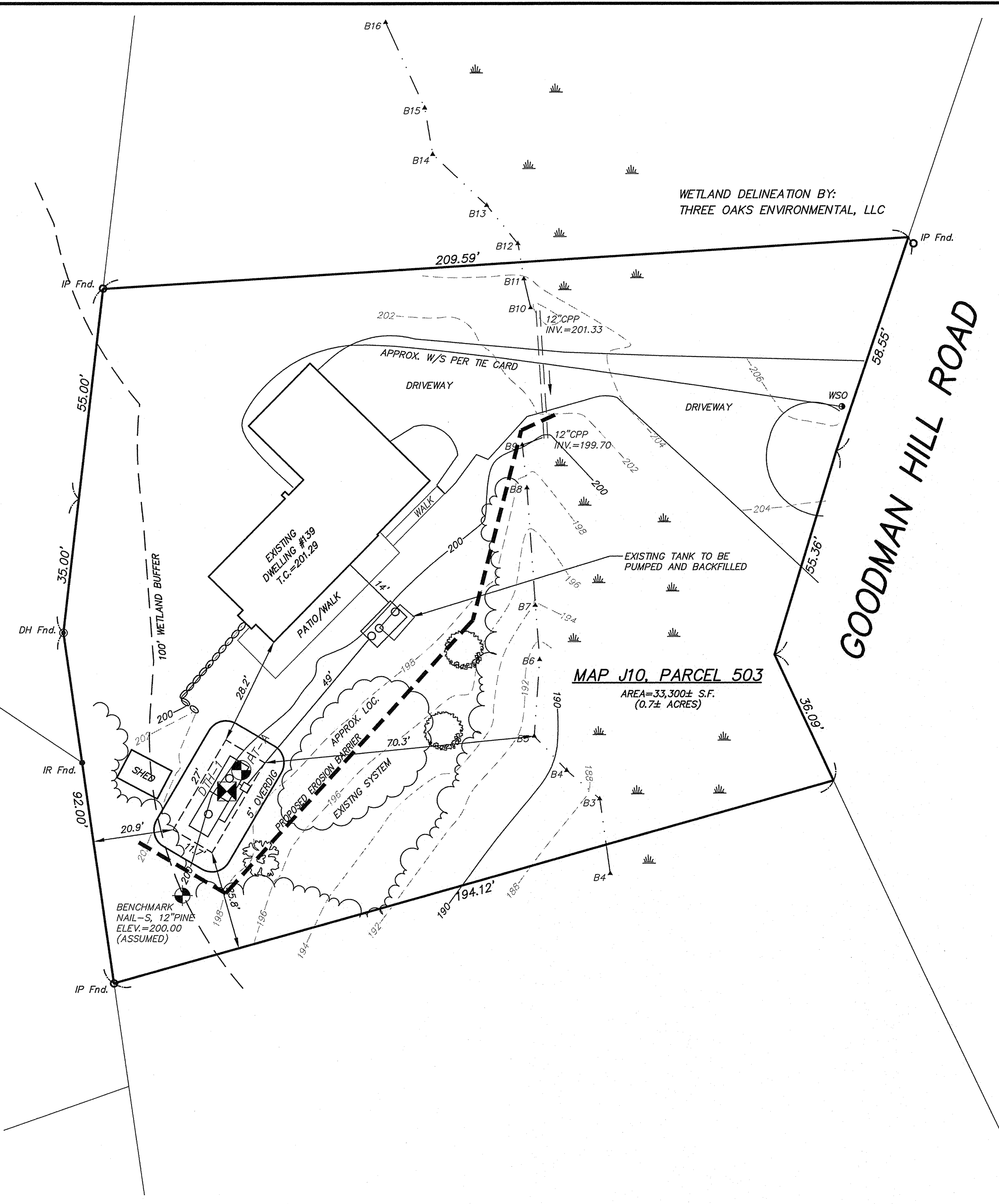
LEACH FIELD NOTES

- SIDES AND BOTTOM OF LEACHING FACILITY TO BE SCARIFIED.
- BOTTOM OF LEACHING FACILITY MUST BE LEVEL.
- PIPING MUST BE SCH 40 P.V.C. WITH TIGHT JOINTS.

FINAL GRADING NOTES

- 2% SLOPE MUST BE PROVIDED OVER AND AROUND SYSTEM.
- SURFACE DRAINAGE MUST BE AWAY FROM SYSTEM.
- GRADING MUST BE DONE TO PREVENT PONDING.

NOTE:
ALL SYSTEM COMPONENTS ARE TO BE MARKED WITH MAGNETIC MARKING TAPE



GENERAL NOTES:

- Contractor shall call Digsafe at (888) 344-7233 a minimum of 72 hours prior to commencing any construction activities on site.
- Inspections by Design Engineer and Board of Health are as required by the Board of Health.
- This plan was prepared for the design of the subsurface sewage disposal system only and is based on the subsurface explorations and percolation tests listed below.
- System was designed only to accommodate sanitary sewage associated with normal domestic usage, consisting of water carried putrescible waste, and for flows indicated in the design criteria.
- The system must be vented through the buildings plumbing in accordance with the state building code.
- Plans show only features that were visually apparent on the date of the topographic survey, and the absence of subsurface structures, utilities, etc. is not guaranteed.
- Contractor to determine if site conditions are suitable for construction of proposed system, and must promptly notify the Design Engineer and Owner, in writing, of any plan deficiencies, unforeseen subsurface conditions, or required changes.
- There are no wells located within 100 feet of the proposed leaching area or within 100 feet of the proposed septic tank (except as shown).
- The subject property is located within a Zone II of a public drinking water supply well.
- All construction is to conform to the requirements of the Massachusetts Environmental Code, Title V, and the town of SUDBURY Board of Health regulations.
- There are no bordering vegetated wetlands, inland banks, or surface waters within 100' of the proposed system.
- There are no surface or subsurface drains which are used to lower the ground water.
- All elevations refer to TBM 12 PINE, NAIL EL.=200.0
- For proper performance, septic tank should be pumped annually.
- System cannot be backfilled or concealed until design firm and board of health have inspected the system and permission to backfill has been given.
- Design firm must prepare and submit "As-Built" plan to Board of Health. This plan must certify that the system was installed in accordance with state and local regulations and that it complies with the proposed plan.
- Property lines are approximate and are not to be used for boundary survey purposes. Surface features and topography outside of work area are approximate.
- System is not designed to accommodate a garbage grinder.

TECHNICAL NOTES:

- Building sewer shall be in accordance with state plumbing code and have a minimum of 4" of cover in landscaped areas. A minimum of 12" of cover and/or appropriate sleeving shall be used in areas subject to vehicular traffic.
- All tanks, including septic tanks, distribution boxes, dosing chambers, and grease traps shall be either watertight through manufacturer's specification and warranty, or made watertight by the manufacturer or other individual by means and persons as approved in 310 CMR 15.221. Septic tank shall be constructed and placed in accordance with 310 CMR 15.223 through 310 CMR 15.228.
- Septic tanks shall have at least three (3) 20" manholes with at least one (1) of these manholes located no more than 6" below finish grade. (Systems over 1,000 gpd shall have access parts at both the inlet and outlet tees.)
- Distribution box ("d-box") shall be of watertight construction, installed level on a firm base, and installed in accordance with 310 CMR 15.232.
- Septic tank covers and d-box are to be brought within 6" and 9" of finish grade respectively by the use of riser sections.
- When the soil absorption system (SAS) is to be dosed or the slope of the inlet pipe exceeds 0.08 feet per foot, an inlet tee, baffle or splash plate extending to one inch above the outlet invert elevation shall be provided to dissipate velocity of the influent.
- When the SAS is installed within the top and subsoil layers or above natural grade, all topsoil and subsoil shall be removed below and laterally a minimum of 5 feet surrounding the SAS. Removed material shall be replaced with clean granular material in accordance with 310 CMR 15.255(3).
- All disturbed areas shall be loamed, seeded, and maintained so as to prevent erosion.
- All native soil interfaces which will contact the SAS shall be scarified prior to placement of stone.

SITE PLAN
SCALE: 1" = 20'

PLAN NOTES:

- THIS PLOT PLAN IS PREPARED FROM LINES OF OCCUPATION. THE TIES TO THE LOT LINES ARE NOT TO BE USED IN THE SETTING OF FENCES, HEDGES, ETC. AND IS NOT TO BE CONSIDERED A PROPERTY LINE SURVEY.
- THIS PLAN IS NOT FOR THE PURPOSE OF BUILDING HEIGHT COMPLIANCE.

PERCOLATION TESTS

HOLE NO. & DATE	TOP ELEVATION	DEPTH (in.)	SATURATION (Min.)	12"-9" DROP (Min.)	9"-6" DROP (Min.)	PERC. RATE (Min./in.)
PT-A 7/24/19	200.0	61"	15 MIN	7 MIN	11 MIN	4 MIN/IN

DEEP OBSERVATION HOLE LOG

NO. & DATE & ELEV.	DEPTH (in.)	SOIL HORIZON	TEXTURE (USDA)	COLOR (MUNSELL)	SOIL MOTTLING	OTHER
DTH-1 7/24/19	0-28"		FILL			
	28-44"	Bw	LOAMY SAND	10YR6/8		
199.7	44-114"	C1	LOAMY SAND	2.5Y5/4	NONE	

PARENT MATERIAL: GLACIAL TILL DEPTH TO BEDROCK: - STANDING WATER: - KEEPING FROM PIT FACE: - ESHWT:190.2

TESTS CONDUCTED BY: MIKE SULLIVAN
TESTS OBSERVED BY: BILL MURPHY
DATE: 7-24-19

I certify that I have passed the examination approved by the department of Environmental Protection and that the above analysis has been performed by me consistent with the required training, expertise, and experience described in 310 CMR 15.018(2).

Certified:

APPLICANT	LOCATION
JANET AIKENS & ANDREW KINNEY	139 GOODMAN'S HILL ROAD SUDBURY, MA ASSESSORS MAP J10 & PARCEL 503

NO.	DATE:	REVISION:	BY:

PROPOSED SEWAGE DISPOSAL SYSTEM
SULLIVAN, CONNORS AND ASSOCIATES
LAND SURVEYING AND CIVIL ENGINEERING
121 BOSTON POST RD. SUDBURY, MA. 01776
PHONE: 978-443-9566 FAX: 978-443-8915

DATE: 8/5/19 SHEET 1 OF 1