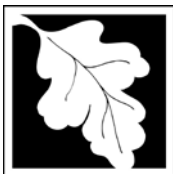


front addition section





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:

Ellen Gitelman & Tim Anderson

Name

elleng@americangraphiti.com

E-Mail Address

19 Raynor Road

Mailing Address

Sudbury

City/Town

MA

State

01776

Zip Code

978-443-4028

Phone Number

Fax Number (if applicable)

2. Representative (if any):

Firm

Contact Name

E-Mail Address

Mailing Address

City/Town

State

Zip Code

Phone Number

Fax Number (if applicable)

B. Determinations

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

- ☐ 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:

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):

19 Raynor Road

Street Address

Sudbury

City/Town

Assessors Map/Plat Number

Parcel/Lot Number

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

Front entry of house currently contains a 6'8" x 4' bluestone platform, bluestone paving blocks, cobblestones, decorative boulders, and plantings.

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

Title

Date

Title

Date

Title

Date

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

Expansion of front entry way measuring approximately 80 square feet (outer dimensions are 11' wide by 11' feet deep, but the area is not square).



Massachusetts Department of Environmental Protection

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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.)



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

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:

Ellen Gitelman

Name

19 Raynor 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.

Signature of Applicant

7/18/19

Date

Signature of Representative (if any)

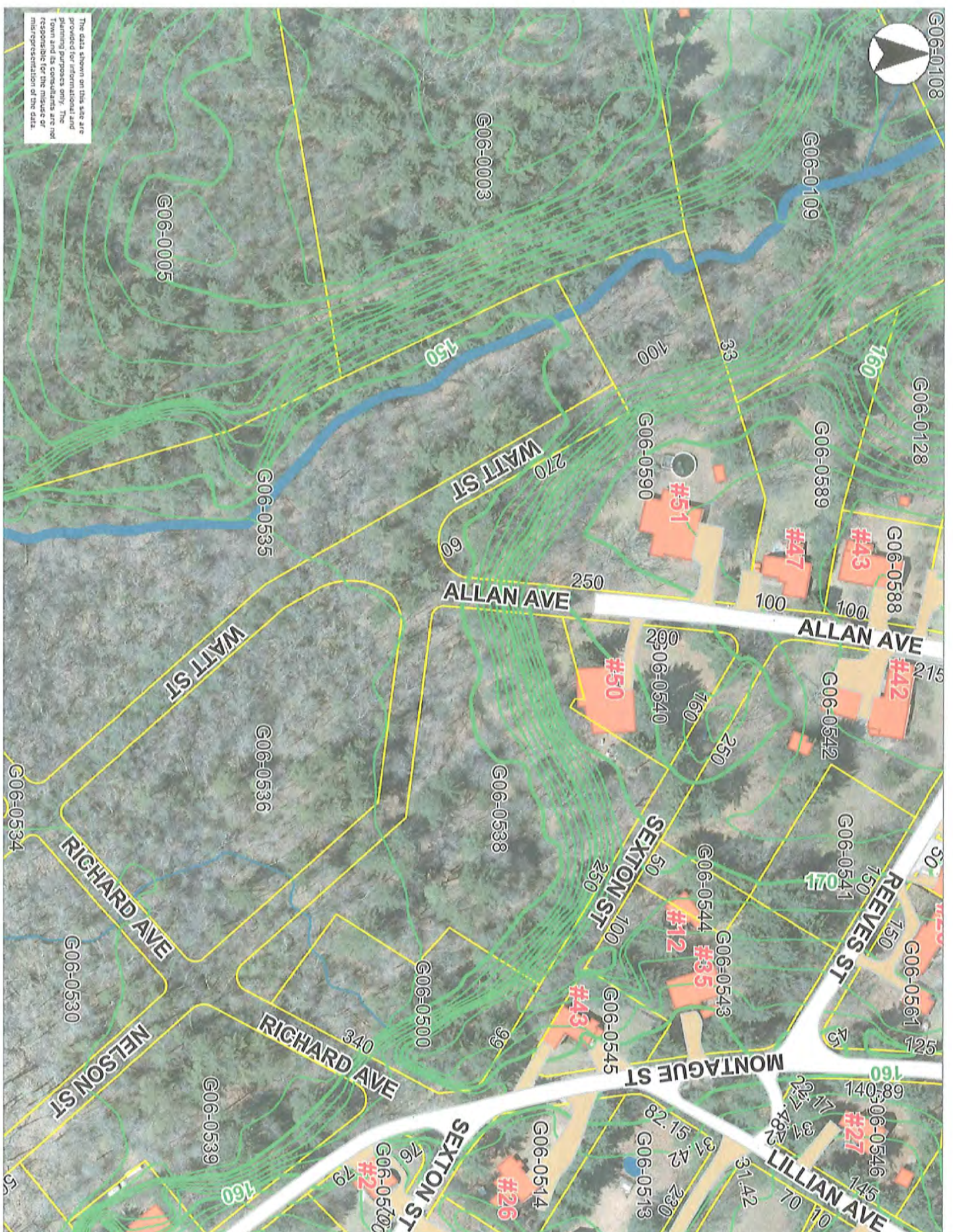
Date



The data shown on this site are provided for informational and planning purposes only. The user is responsible for the misuse or misrepresentation of the data.



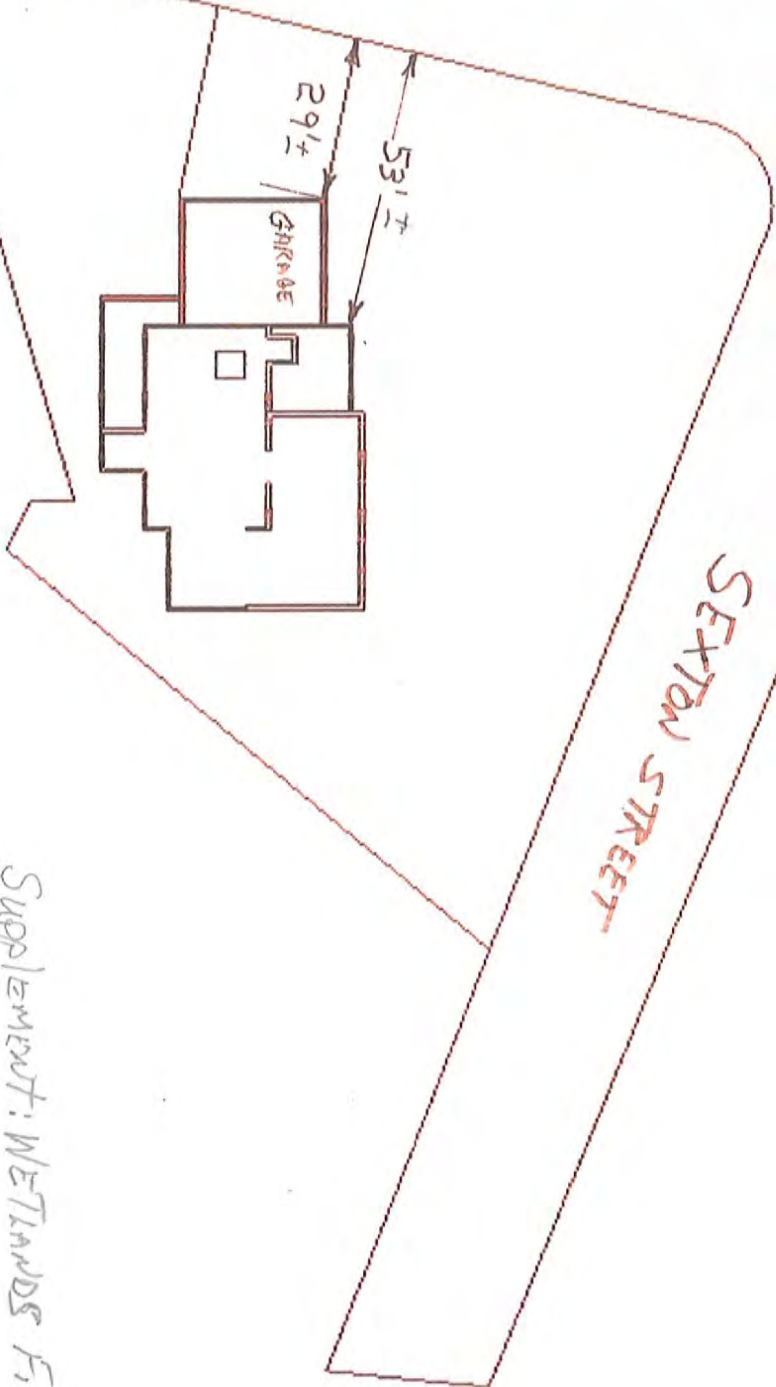
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- Bridges
- Driveways
- Parking Lots
- Medians
- Sidewalks
- Curbs
- Roads
- Paved Roads
- Unpaved Roads
- Index Contours
- Intermediate Contours
- Parcels with Orthos
- Scenic Roads
- Streams Ortho
- Streams CIR
- Water Reservoir
- Buildings
- MA Highways
- Interstate
- US Highway
- Numbered Routes
- Town Boundary



ALLAN AVENUE



Supplement: Wetlands Filing

DATED 08/07/2018

PROPOSED OPTION TWO (2) ADDITION;

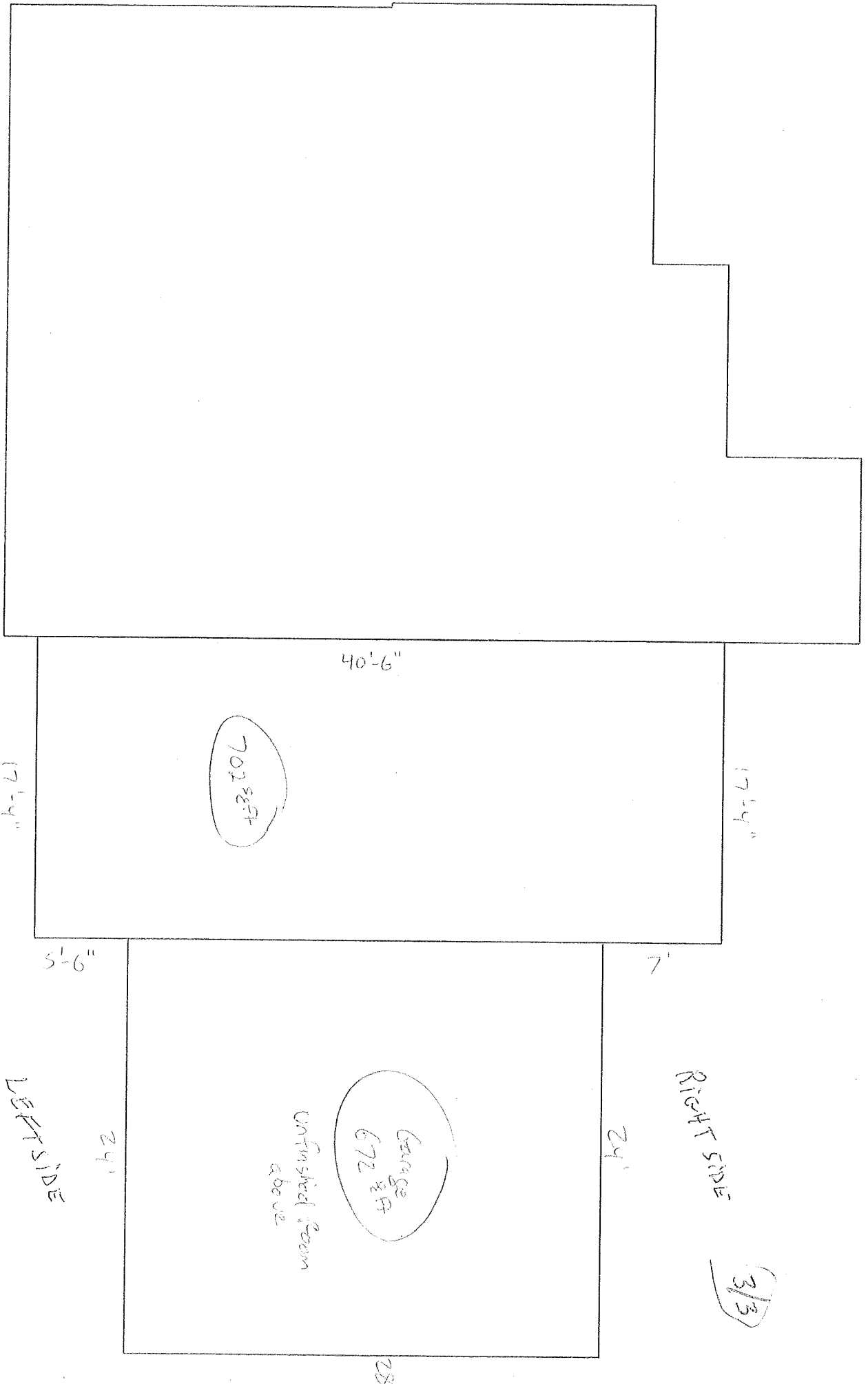
GARAGE PLAN - NOT TO SCALE

50 ALLAN AVENUE

SMIDBURY, MA

JAMES RYAN AUGUST 08, 2018

OPT 1001 #2



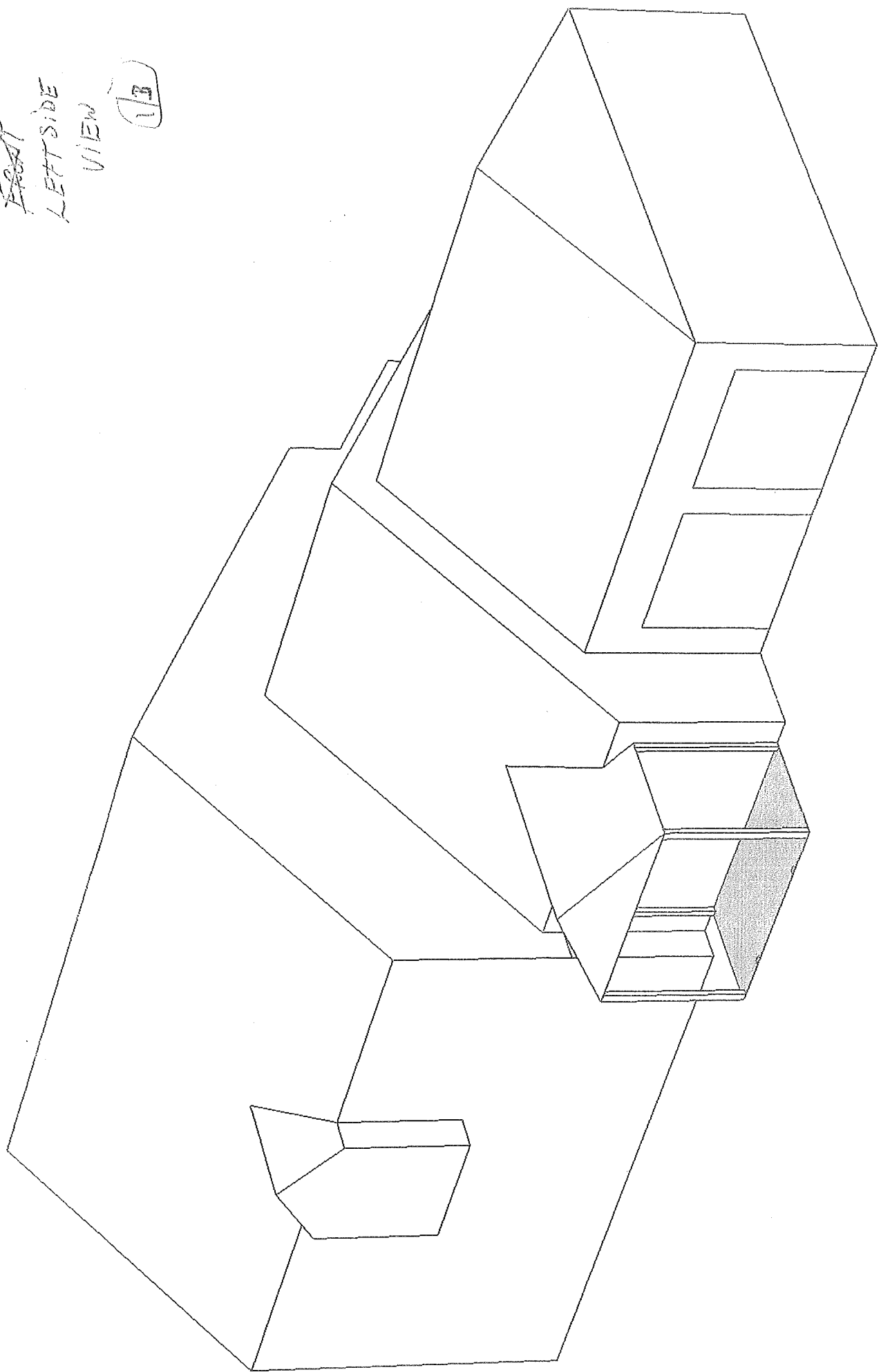
option #2

~~FRONT~~

LEFTSIDE

VIEW

(13)





- Bridges
- Driveways
- Parking Lots
- Medians
- Sidewalks
- Curbs
- Roads
 - Paved Roads
 - UnPaved Roads
- Index Contours
- Intermediate Contours
- Parcels with Orthos
- Scenic Roads
- Wetlands Town 2008
 - Open Water
 - Deep Marsh
 - Shallow Marsh/Meadow
 - Bog
 - Shrub Swamp
 - Wooded Swamp Decid
 - Wooded Swamp Conif
 - Wooded Swamp Mixec
- Wetlands DEP 1/2009
 - Marsh/Bog
 - Wooded marsh
 - Open Water
 - Reservoir (with PWSID)
- Streams Ortho
- Streams CIR
- Lake/Reservoir
- Buildings
- MA Highways
 - Interstate
 - US Highway
 - Numbered Routes
- Town Boundary



The data shown on this site are provided for informational and planning purposes only. The Town and its consultants are not responsible for the misuse or misrepresentation of the data.

0 170 340 ft

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approx. b/w ... up to here MapsOnline

LOCUS MAP
N.T.S.

SCHEDULE OF ELEVATIONS

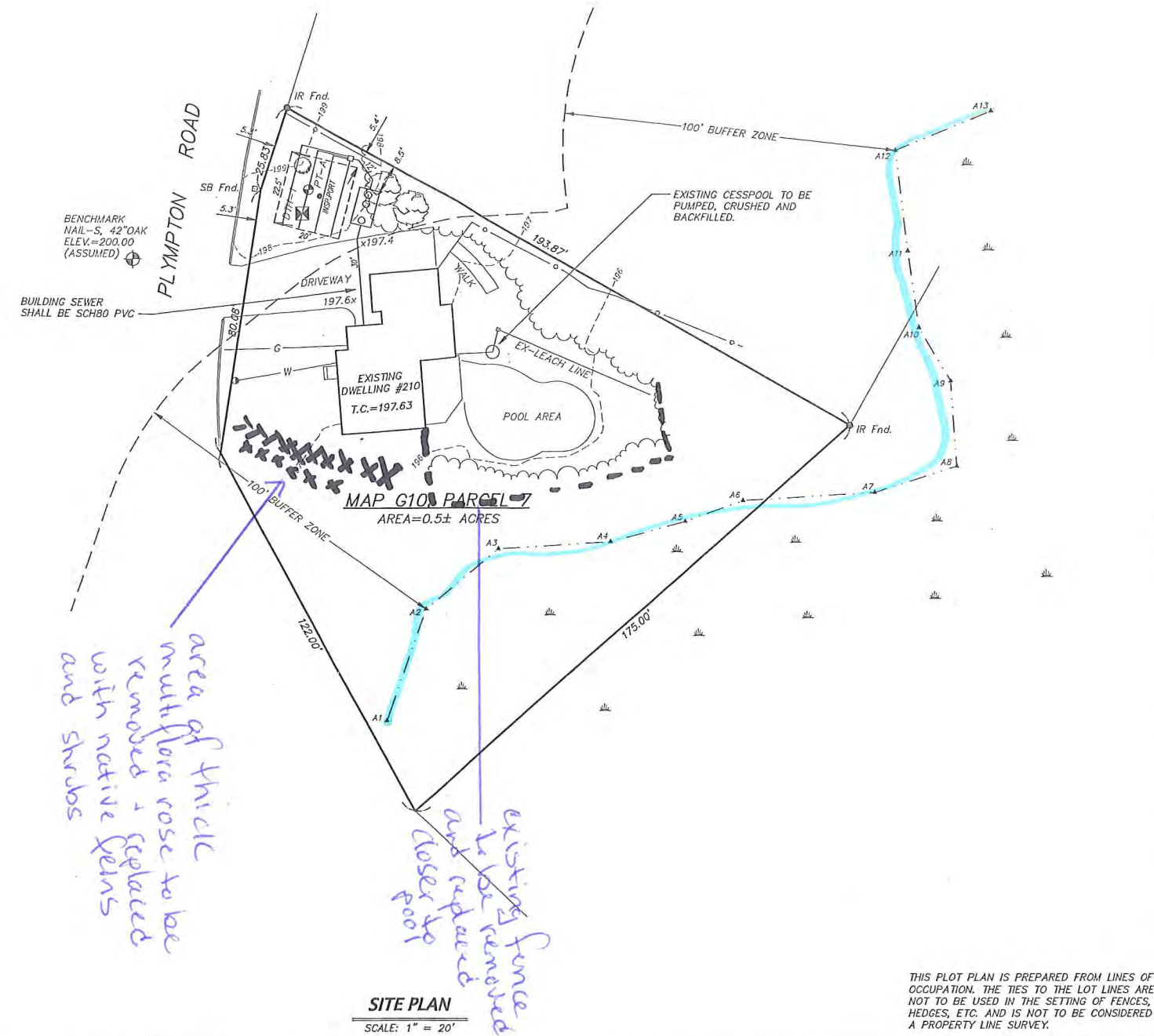
TOP OF FOUNDATION T.C. =	197.63
PLUMBING TO BE REWORKED/RAISED IN BASEMENT	
INVERT OF PIPE AT FOUNDATION =	196.3
INVERT AT SEPTIC TANK INLET =	195.75
INVERT AT SEPTIC TANK OUTLET =	195.55
INVERT AT DISTRIBUTION BOX INLET =	195.4
INVERT AT DISTRIBUTION BOX OUTLET =	195.22
INVERT AT LEACHING LINES (BEGINNING) =	195.12
INVERT AT LEACHING LINES (END) =	195.0
ELEVATION OF BED BOTTOM =	194.5
FINISH GRADE OVER LEACHING AREA =	199-198

DESIGN CRITERIA

- ESTIMATED FLOW = 3 BDRMS X 110 GPD/BR=330 GPD
- DESIGN PERCOLATION RATE = 3 MPI
- LEACHING AREA CALCULATION =
BED AREA = 20'x22.5' = 450 SF(0.74 GPD/SF)=333 GPD

- LOCAL UPGRADE APPROVAL REQUIRED:**
- SEPARATION BETWEEN BOTTOM OF LEACH FIELD AND E.S.H.G.W. LESS THAN 4' (3' PROPOSED).
 - LEACH FIELD SIZED PER TITLE 5 LOADING REQUIREMENTS (NOT PER TOWN REQUIREMENTS).
 - SEPARATION BETWEEN LEACH FIELD, TANK AND LOT LINES LESS THAN 10' (5' PROPOSED).

Plan No. 38 of 1938



- 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.
 - Owner shall verify effective zoning regulations prior to construction.
 - 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 not 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 42' OAK 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 ports 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 closed 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.

PERCOLATION TESTS

HOLE NO. & DATE	TOP ELEVATION	DEPTH (in.)	SATURATION (Min.)	12"-9" DROP (Min.)	9"-6" DROP (Min.)	PERC. RATE (Min./in.)
P1-A 7/7/17	198.5	52"	15 MIN	10 MIN	10 MIN	3 MIN/IN

DEEP OBSERVATION HOLE LOG

NO., DATE & ELEV.	DEPTH (in.)	SOIL HORIZON	TEXTURE (USDA)	COLOR (MUNSELL)	SOIL MOTTLING	OTHER
DH-1 7/7/17 198.5	0-10"	Ap	SANDY LOAM	10YR3/2		
	10-28"	Bw	LOAMY SAND	10YR6/8		
	28-120"	C1	SAND	10YR6/4	8+	

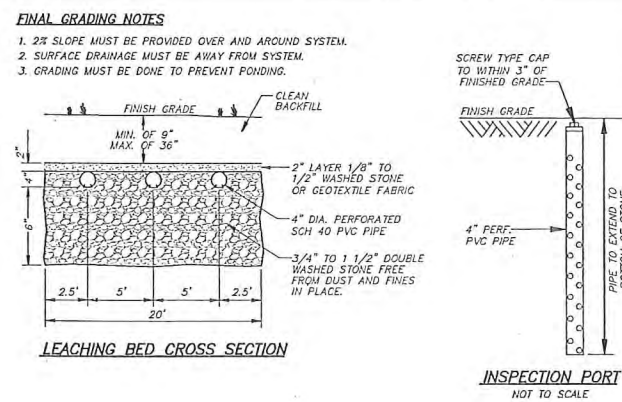
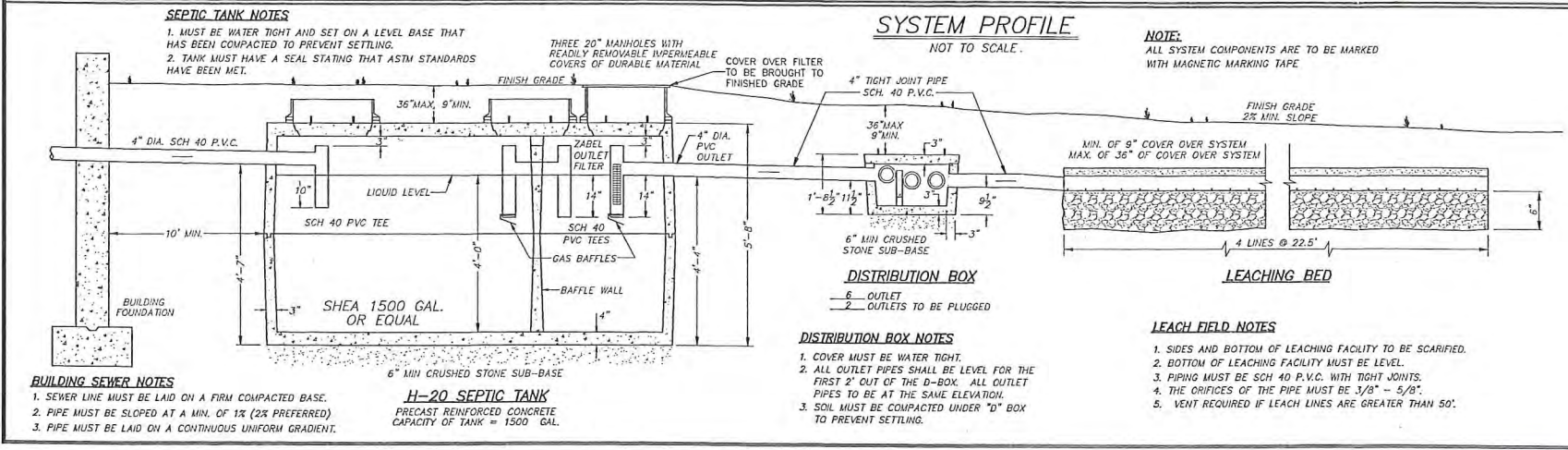
PARENT MATERIAL: GLACIAL TILL DEPTH TO BEDROCK: -- STANDING WATER: 99" DEEP FROM PIT FACE: -- ESHW: 191.5

TESTS CONDUCTED BY: MIKE SULLIVAN
TESTS OBSERVED BY: BILL MURPHY
DATE: 7-17-17

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:

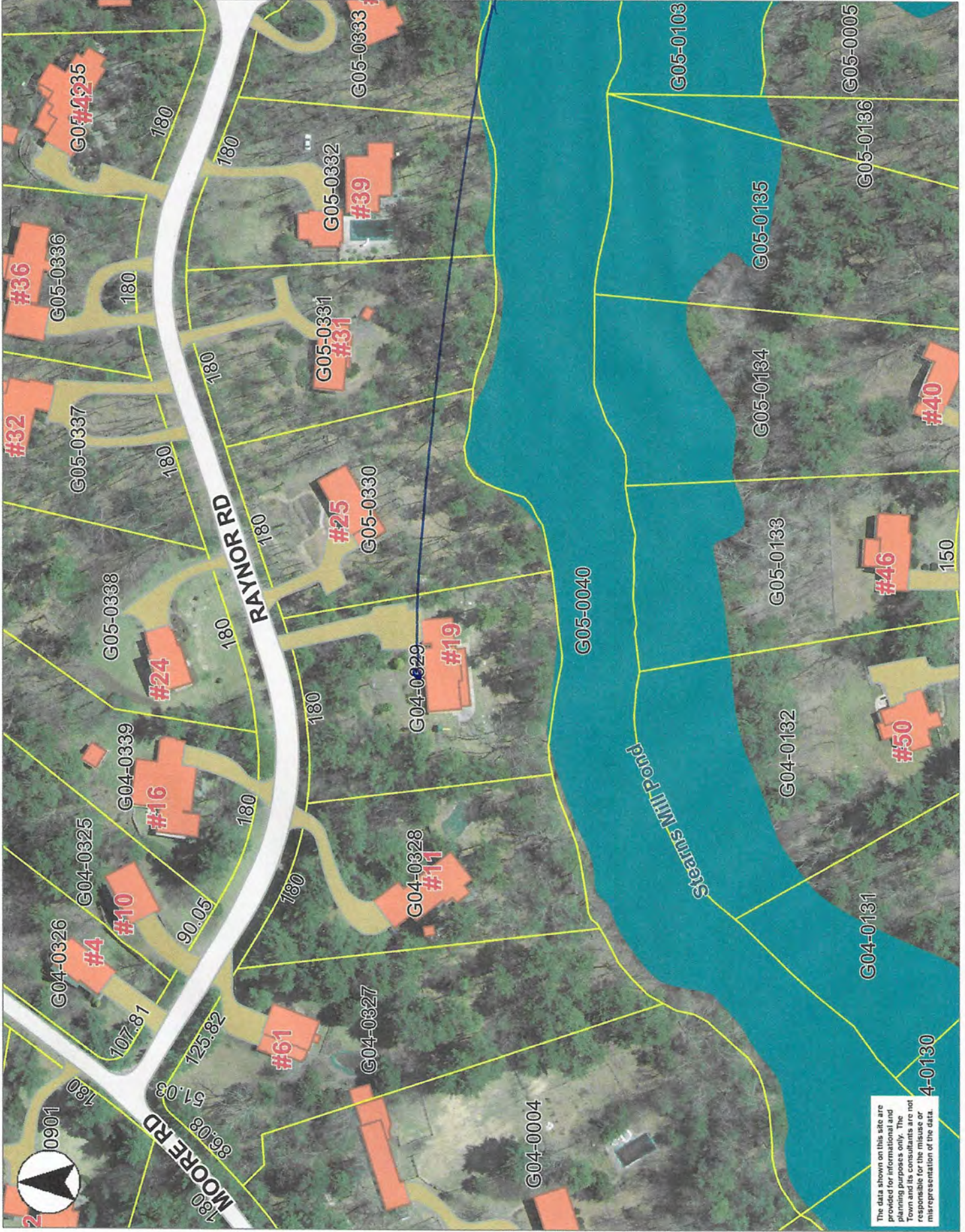
APPLICANT KELLY WENNIK	LOCATION 210 PLYMPTON ROAD SUDBURY, MA ASSESSORS MAP 610 & PARCEL 7		
NO.	DATE:	REVISION:	BY:
PROPOSED SEWAGE DISPOSAL SYSTEM SULLIVAN, CONNORS AND ASSOCIATES LAND SURVEYING AND CIVIL ENGINEERING 121 BOSTON POST RD. SUDBURY, MA. 01776 PHONE: 978-443-9566 FAX: 978-443-8915			
DATE: 7/27/17		SHEET 1 OF 1	





- Bridges
- Driveways
- Parking Lots
- Medians
- Sidewalks
- Curbs
- Roads
- Paved Roads
- Unpaved Roads
- Parcels with Orthos
- Scenic Roads
- Streams Ortho
- Streams CIR
- Lake/Reservoir
- Buildings
- MA Highways
- Interstate
- US Highway
- Numbered Routes
- Town Boundary

Small
first
entry



0 170 340 ft

Printed on 08/20/2018 at 11:42 AM

August 20, 2018

Thomas Friedlander, Chairman
Sudbury Conservation Commission
275 Old Lancaster Road
Sudbury, MA 01776

Re **Notice of Intent – Subsurface Investigation**
Sudbury- Hudson Transmission Reliability Project
MassDEP File No. NE 301- 1231
File No. P4304.3

Mr. Friedlander and Commissioners:

Nover-Armstrong Associates, Inc. (Nover-Armstrong) reviewed the Notice of Intent (NOI), associated plans and documents, as well as the supplemental documents submitted, for the subsurface investigation proposed along the MBTA Right-of-Way (ROW) / Central Mass Railroad in Sudbury, Massachusetts and provided comment and recommendations in both May and July of 2018. Since the issuance of our July 31, 2018 comments and recommendations, the final ANRAD plan set was issued with the confirmed resource area boundaries. This review focused on checking that the confirmed boundaries are reflected on the final Subsurface Investigation project plans. We also brought forward recommendations for Special Conditions from our July comment letter for the Commission's consideration.

Additional Documents Reviewed

- *Sudbury- Hudson Transmission Reliability Project, Sudbury, Massachusetts, Proposed Conditions Plan for Notice of Intent Submittal; (42 Sheets) Revised through August 1, 2018; Prepared by VHB, Inc., not signed or stamped. Reference herein as the "Final Project Plans".*
- Response Letter titled: *MADEP File #301-1231, Subsurface Investigation Notice of Intent, Sudbury-Hudson Transmission Reliability Project. Dated: August 8, 2018.*

Review Summary

As previously discussed, the July 16th VHB Response to Nover-Armstrong's May 24, 2018 written comments, and comments, concerns, and questions expressed by the Commission, was comprehensive, however, the Applicant had not provided updated plans to depict the revised state and local resource area boundaries and 100-foot buffer zones. The Sudbury Conservation Commission voted to approve the resource area boundaries via an ORAD on August 6, 2018. Because the limits of protection and jurisdiction are now more accurately defined, the Commission required the Applicant to use the updated resource area boundaries on the subsurface exploration NOI plans and where necessary, provide revised impact quantification numbers for the Commission to use in their Order of Conditions.

Nover-Armstrong reviewed the revised “Final Project Plans” and August 8th VHB Response for consistency and completeness. Overall, the plans appear to depict the resource areas approved by the Conservation Commission through the approval of the ORAD and the August 8th VHB Response provides updated table of subsurface investigations, tree removal, and/or vegetation removal proposed within the Conservation Commission’s Jurisdiction. At this time, the Commission now has sufficient information to describe the site, the work, and the effect of the work on the interests identified in the Act and Bylaw

Recommendations

Because the Applicant updated the NOI plan set with the revised resource area boundaries as approved through the ANRAD proceedings, it is our opinion that the Commission has sufficient information to issue an Order of Conditions. If the Commission votes to approve the project, we recommend the following Special Conditions in addition to other standard Conditions:

1. Require that the Applicant provide a third party construction monitor approved by the Commission who works directly under the Commission’s and/or their Agents direction. This independent representative shall observe all equipment access and drilling activities to insure that no additional vegetation clearing or impact to state and/or local resource areas beyond that permitted by the Order of Conditions occurs.
2. If appropriate and necessary, include time of year restrictions for the work to be performed to protect nesting and breeding activities.
3. Any substantial deviations from the approved scope and project limits shall be approved by the Commission and / or their Agent as appropriate. If the Commission or their Representative determines the deviations cannot be approved as a field change, then an Amended Order of Conditions or new Notice of Intent may be required.
4. Trees to be removed shall be marked as described in the VHB Response. Tree marking paint shall be used.
5. Invasive species removal shall be conducted in a manner not to cause inadvertent spread of the invasive species on site or off-site. The Commission’s representative should be experienced in invasive species management to ensure the Applicant is handling the removal and disposal properly. The Commission may also require that a site specific invasive species management specification be submitted for approval prior to conducting the work.
6. The Commission shall be timely notified of any documented DEP Reportable Condition resulting from soil or groundwater chemical testing conducted as part of the Order.
7. No discharge of groundwater or drill wash waters to the environment shall occur. All drill water shall be collected and disposed of off-site properly.
8. All materials used for “cribbing” as described at the Hudson site visit and in the VHB Response shall be delivered and removed so that no additional vegetation clearing results. All “cribbing” materials shall be placed so that there is no safety concern to the public and shall be removed immediately once the work is completed.
9. Trees, saplings and shrubs should be cut flush to the ground, to protect public health and safety for recreational users of the railroad platform trail.

We will be available at the August 20, 2018 public hearing to discuss our recommendations with the Commission.

Sincerely,
Nover-Armstrong Associates, Inc.

A handwritten signature in black ink, appearing to read "Marta J. Nover". The signature is fluid and cursive, with a long horizontal stroke at the end.

Marta J. Nover
Principal