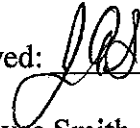


SUTTON CONSERVATION COMMISSION

November 2, 2016

MINUTES

Approved: _____



Present: William Wence Chair, Lauren Rothermich, Co-Chair, Daniel Moroney, Joyce Smith,
and Robert Tefft

Staff: Wanda M. Bien, Secretary
Brandon Faneuf, Consultant

Discussion:

7:00pm 172.5 Manchaug Road
Dep#303-0789

Present: Katrina Quinn, Guerriere & Halnon, Inc., for Michael & Karen Bronson, owners

K. Quinn is asking for approval of the minor modifications for putting in a retaining wall, due to the steep area shown on the original plans and move the French drains closer to the house. The septic system would not be installed until this work was complete.

See Attachment #1, Guerriere & Halnon, Inc.

B. Faneuf reviewed his site visit report including the changes they want to make.

The Board continued to the next meeting on November 16, 2016 at 7:00pm to receive the revised plans showing the changes.

Public Hearing (Cont.)

7:05pm 289 Putnam Hill Road
DEP#303-0828

The Public Hearing was opened at 7:25pm

Motion: To waive the reading of the hearing notice, by L. Rothermich
2nd: D. Moroney
Vote: 5-0-0

The project consists of a common driveway to access two single family dwellings, with grading, wetland crossing and replication area.

Present: Gianni Romeo, owner

G. Romeo explained the changes and would like to close, and would have the revised plans to the Conservation in the morning.

B. Faneuf asked if this has been filing is completed with the Planning Board and if there are any issues..

See Attachment #2 Email to Scott Morrison for changes.

R. Tefft asked how the changes would be put on the OOC after the permit was issued if they were to sign now.

G. Romeo replied it is hand written on the plans.

R. Tefft stated they would have to come back to amend the OOC to reflect the changes on the plan. He doesn't feel they should close the Public Hearing with incorrect drawings.

Motion: To continue with the applicant's permission to November 16, 2016 at 7:50pm, by J. Smith
2nd: D. Moroney
Vote: 5-0-0

Public Hearing (Cont.)

7:06pm 290 Putnam Hill Road
DEP#303-0829

The Public Hearing was opened at 7:25pm.

Motion: To waive the reading of the hearing notice, by L. Rothermich
2nd: D. Moroney
Vote: 5-0-0

The project consists of a common driveway to access three single family dwellings, with associated grading.

Present: Gianni Romeo, owner

See information for 289 Putnam Hill Road

Motion: To continue with the applicant's permission to November 16, 2016 at 7:51pm, by J. Smith
2nd: D. Moroney
Vote: 5-0-0

Public Hearing (Cont.)

7:20pm 11 W. Sutton Road/Paul Hutnak, Andrews

The Public Hearing was opened at 8:10pm.

Motion: To waive the reading of the hearing notice, by D. Moroney
2nd: L. Rothermich
Vote: 5-0-0

The project consists of construction of a fence, septic tight tank, sewer pump, garage and associated earthwork, utility, paving and landscaping within the buffer zone.

Present: Paul Hutnak, Andrews Survey, Debra Pinto, owner

No one was present for this hearing.

This was continued, to November 16, 2016 at 7:35pm.

Motion: To continue to November 16, 2016 at 7:35pm, by D. Moroney
2nd: R. Tefft
Vote: 3-0-0

BOARD BUSINESS

Minutes:

The Board voted on the Minutes of August 17th, & October 19, 2016

Motion: To accept the minutes of August 17th, & October 19, 2016, by J. Smith
2nd: D. Moroney
Vote: 5-0-0

A Site visit done to sign for C of C, for **11 Cold Spring Drive** DEP#303-46 & #303-114

Motion: To issue the Certificate of Compliances for 11 Cold Spring Drive, by L. Rothermich
2nd: D. Moroney
Vote: 5-0-0

National Grid – DEP#303-0749, DEP#303-0730 will require another site visit by B. Faneuf.

B. Faneuf will do a site visit for **612 Central Turnpike**/Luke Vaillancourt, for the next meeting.

85 Eight Lots Road/Paul Gilbody for another site visit. A site visit was done on November 2, 2016. Another growing season is necessary.

Guideline changes: Date for this meeting is undecided.

The Board reviewed the Correspondence & Track Sheet Review

Unexpected Business

223 Worc. Prov. Tpke/Atlas Box- needs to apply for their Certificate of Compliance.

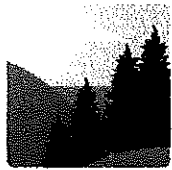
***It was suggested to add a special condition to have a yearly inspection maintaining erosion controls until a Certificate of Compliance is issued.**

Anyone interested in purchasing the DVD for any public hearing at this meeting, please contact Pam Nichols in the Cable office or you can view the minutes and video at www.suttonma.org.

Motion: To adjourn, by D. Moroney
2nd: L. Rothermich
Vote: 5-0-0

Adjourned at 8:25pm

Attachment #1



Guerriere & Halnon, Inc.

ENGINEERING & LAND SURVEYING

www.guerriereandhalnon.com

Est. 1972

Whitinsville Office
1029 Providence Road
Whitinsville, MA 01588-2121
Phone: (508) 234-6834
Fax: (508) 234-6723

Milford Office
333 West Street
P.O. Box 235
Milford, MA 01757-0235
Phone: (508) 473-6630
Fax: (508) 473-8243

Franklin Office
55 West Central Street
Franklin, MA 02038-3807
Phone (508) 528-3221
Fax (508) 528-7921

W-2644

November 2, 2016

Town of Sutton Conservation Commission
Sutton Town Hall
4 Uxbridge Road
Sutton, MA 01590

Re: **Construction Phase - Site Modifications**
172 Manchaug Road, Sutton, MA (Map 42 Lot 13) - *Location*
Karen & Michael Bronson - *Owner*

Dear Commission Members:

On behalf of the Owners, Karen & Michael Bronson, Guerriere & Halnon, Inc. (G&H) would like to discuss proposed site modifications that the Bronson's would like to incorporate in conjunction with the work that their contractor, Peter Orlando, is currently performing at the site. The owner would like to implement the following modifications:

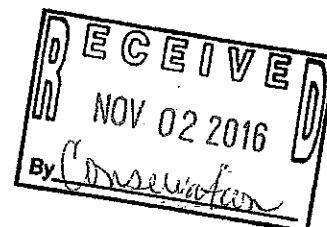
1. Reduce the steeper slopes and potential erosion at the front corners of the house by constructing a small landscaped retaining wall on each side of the front house corners using a block wall type product (12" x 6" blocks) for the landscaping walls and blue stone treads for the steps. The west side would be approximately a 1.5' high wall to accommodate 1 to 2 steps down to the side yard. The east wall would be approximately 2' to 3.5' in height to accommodate 6± steps down to the side yard. This would moderately flatten the grades behind and in front of the wall and prevent washout at the corners. Essentially there would be no impacts to the currently designed runoff or septic system, just protection of the slopes at the house corners.
2. Provide 4' wide walks using pavers from the front yard to the back door and to boat ramp area, as well as a 10' x 13' patio area also constructed with pavers.
3. Move the proposed French Drains (that are approximately 2' from the back of the walls) to approximately 1' to 2' inland to allow for more planting space and to keep construction of French Drains away from existing wall.

No existing trees will be impacted by these modifications. See sketch dated 11/1/16. Please note that the building inspector required a foundation drain that has been installed. Please contact us at our Whitinsville office at (508) 234-6834 if you have any questions.

Sincerely,
Guerriere & Halnon, Inc.

Karina G. Quinn

Karina G. Quinn, P.E.
Civil Engineer



DATE: 03/11/2014

525.20	PERM. 6' DIA. CONC. 10' DIA. 10' DIA. 10' DIA.
522.00	PERM. 6' DIA. CONC. 10' DIA. 10' DIA. 10' DIA.
524.50	PERM. 6' DIA. CONC. 10' DIA. 10' DIA. 10' DIA.
525.20	PERM. 6' DIA. CONC. 10' DIA. 10' DIA. 10' DIA.

TESTING INFORMATION

I CERTIFY THAT ON 11/20/14 I HAVE PASSED THE SOIL EVALUATION EXAMINATION APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THAT THE ABOVE ANALYSIS WAS PERFORMED BY ME CONSISTENT WITH THE REQUIRED TRAINING, EXPERISE AND EXPERIENCE DESCRIBED IN THE SOIL EVALUATION MANUAL, P. 10, 11, 12.

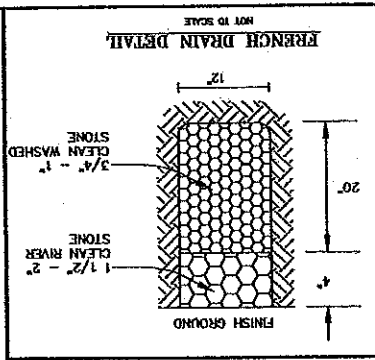
SIGNATURE: _____ DATE: _____

SOIL EVALUATOR: MICHAEL Y. WEAVER, P.E. BLOH AGENT/INVESTIGATOR WATER, P.E. QUARRY HILL EXCAVATOR: _____

- LEGEND
- S.P. SEPTIC TANK
 - D.B. DISTRIBUTION BOX
 - P.C. PUMP CHAMBER
 - L-1 LEACHING TRENCH
 - 420 EXISTING CONTOURS
 - 100.0 PROPOSED CONTOURS
 - 100.0 PROPOSED ELEVATIONS
 - EDGE OF WEIAMS BENCHMARK
 - PUBLIC WATER
 - GAS SERVICE
 - PEAK TEST HOLE
 - DEEP TEST HOLE
 - PRIVATE WATER SUPPLY
 - TOP OF CONCRETE

NOTES

- THIS SITE IS REFERRED AS DEED BOOK 2009 PAGE 245 IN THE WORCESTER REGISTRY OF DEEDS.
- THIS SITE BELONGS TO ASSASSORS SHEETS MAP #2 PARCEL 13.
- THERE ARE NO WEIAMS OR WATER COURSES WITHIN 100 FEET OF THE PROPOSED SEPTIC SYSTEM OTHERWISE SHOWN.
- THIS SITE FALLS WITHIN ZONE A AND ZONE C FLOOD HAZARD BASED ON FEMA MAP 25022C GARAGE.
- THERE ARE NO PUBLIC DRINKING WATER SUPPLY WELLS OR TREATMENT PLANTS TO A WATER SHED WITHIN 100 FEET OF THE PROPOSED SEPTIC SYSTEM UNLESS OTHERWISE SHOWN.
- NO WELLS ARE KNOWN TO BE WITHIN 100 FEET OF THE PROPOSED SEPTIC SYSTEM UNLESS OTHERWISE SHOWN.
- IT IS RECOMMENDED THAT ANY WELLS IN THE VICINITY OF THE SITE BE TESTED EVERY TWO YEARS.
- IT IS RECOMMENDED THAT SEPTIC TANKS BE INSPECTED FOR CLEANING ONCE A YEAR.
- WATER SOURCES SHALL NOT BE DISCHARGED TO ANY COMPONENT OF THE SEPTIC SYSTEM.
- THERE ARE NO SEPTIC SYSTEMS WITHIN 150 FEET OF THE PROPOSED SEPTIC SYSTEM UNLESS OTHERWISE SHOWN.
- THERE ARE NO OVERHEAD WIRES OR UNDERGROUND UTILITIES ON THIS PARCEL UNLESS OTHERWISE SHOWN.
- THERE ARE NO STORM WATER DRAINS WITHIN 100 FEET OF THE PROPOSED SEPTIC SYSTEM UNLESS OTHERWISE SHOWN.



MANCHAUG ROAD ~ VARIABLE WIDTH

REALTY TRUST ENKS N/F

#22 Approved of RECORDS M/F 11/25/15

W/ 2 odd' shrubs

Additional trees to be removed (12' dia) (15) (ok per Con Comm 12/16/15)

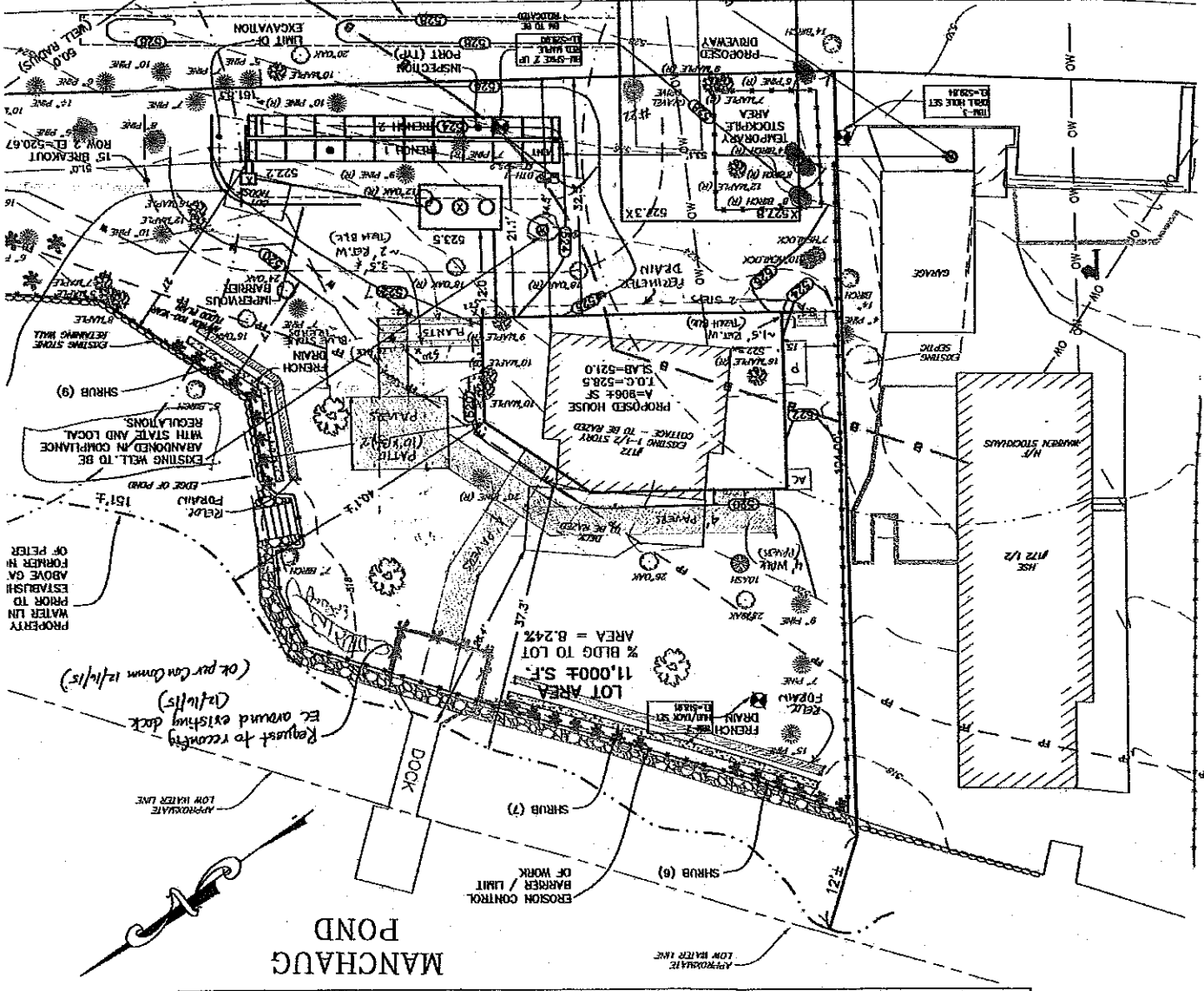
NOTE: CONSTRUCTION ON THIS LOT (OR LAND) IS SUBJECT TO ANY EASEMENTS, RIGHTS OF WAY, RESERVATIONS OR OTHER LIMITATIONS WHICH MAY BE REVEALED BY AN EXAMINATION OF THE TITLE.

*#1 OK Foundation in situ before Septic per Con Comm (undated 12/15/15)

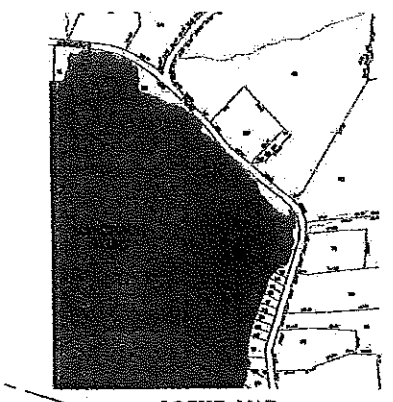
1. ENTER SITE

2. RETURNING 0

CONSERVA

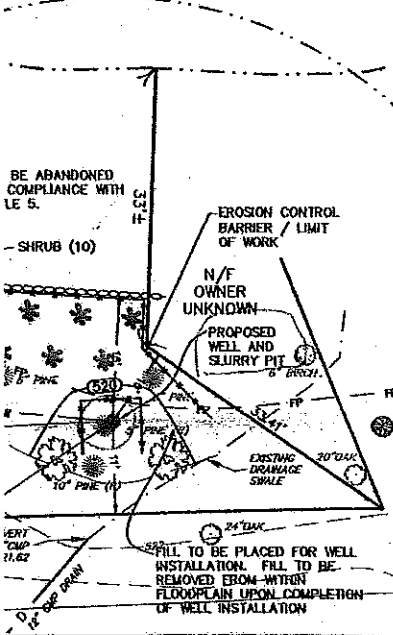


W-2642



LOCUS MAP

LONG APPROXIMATE ANCHORAGE POND USED IN 1836± ELEVATION 6'4" OF OLD DAM. ST PROPERTY LINE MELL FARM



BE ABANDONED COMPLY WITH LE 5.

SHRUB (10)

EROSION CONTROL BARRIER / LIMIT OF WORK

N/F OWNER UNKNOWN

PROPOSED WELL AND SLURRY PIT

EXISTING DRAINAGE SWALE

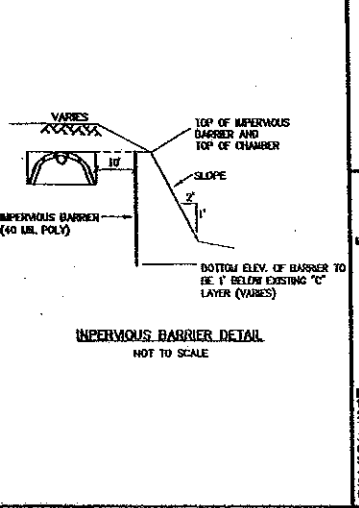
24" DIA.

20" DIA.

10" DIA.

FILL TO BE PLACED FOR WELL INSTALLATION. FILL TO BE REMOVED FROM WITHIN FLOODPLAIN UPON COMPLETION OF WELL INSTALLATION.

- NOTES**
- WITHIN THE TOWN OF SUTTON 200' RIVERFRONT AREA (GREAT POND), DIRT SHALL TAKE PLACE AS FAR FROM THE WATER AS POSSIBLE.
- TREES TO REMAIN
 - (N) TREES TO BE REMOVED (QTY 21)
 - SHRUBS TO BE PLANTED (QTY 32)
 - ACTUAL SHRUB SPECIES SHALL BE AS AGREED UPON BY THE APPLICANT AND THE CONSERVATION COMMISSION OR THEIR REPRESENTATIVE AT THE PRE-CONSTRUCTION MEETING.
 - MINIMUM SHRUB SIZE SHALL BE 1 GALLON
 - EXACT LOCATION TO BE FIELD DETERMINED TO AVOID CONFLICTS WITH EXISTING VEGETATION
 - TREES TO BE PLANTED/TRANSPLANTED (QTY 5)
 - ON-SITE HARDWOOD SAPLINGS IN THE AREA OF DISTURBANCE CAN BE TRANSPLANTED ON SITE TO THE LOCATIONS NOTED.
 - TREES PLANTED OR TRANSPLANTED SHALL BE 48"-60" IN HEIGHT.
 - PLANTED TREES SHALL BE EITHER BLACK BIRCH, RED OAK, BLACK CHERRY, OR SUGAR MAPLE

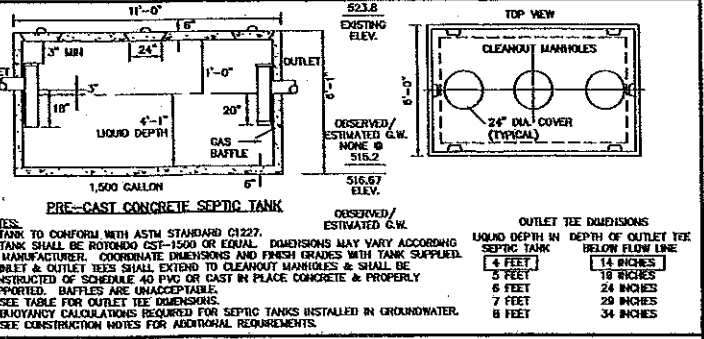
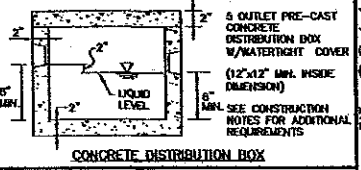


IMPERVIOUS BARRIER DETAIL

NOT TO SCALE

MINIMUM ZONING REQUIREMENTS

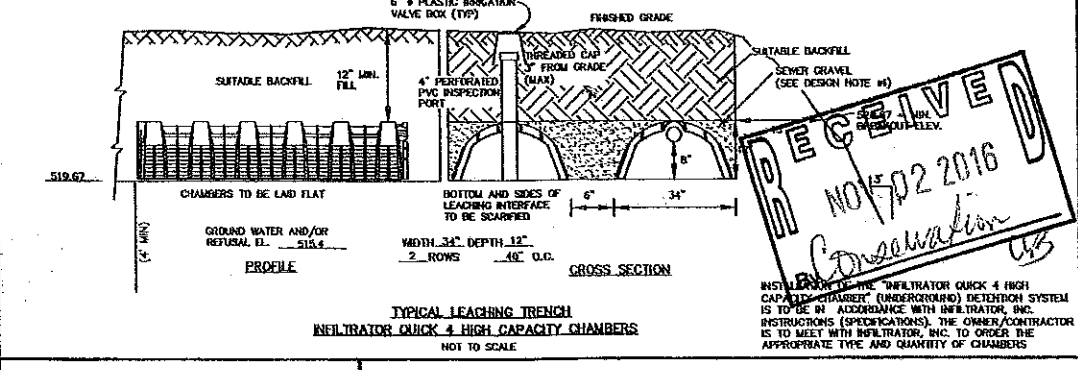
DISTRICT	R1
AREA	80,000 SF
FRONTAGE	250 FT
FRONT YARD SETBACK	50 FT
SIDE YARD SETBACK	20 FT
REAR YARD SETBACK	50 FT



PRE-CAST CONCRETE SEPTIC TANK

NOTES:

- TANK TO CONFORM WITH ASTM STANDARD G1227.
- TANK SHALL BE ROTOMOLD 557-1500 OR EQUAL. DIMENSIONS MAY VARY ACCORDING TO MANUFACTURER. COORDINATE DIMENSIONS AND FINISH GRADES WITH TANK SUPPLIER.
- INLET & OUTLET TEES SHALL EXTEND TO CLEANOUT MANHOLES & SHALL BE CONSTRUCTED OF SCHEDULE 40 PVC OR CAST IN PLACE CONCRETE & PROPERLY SUPPORTED. BATTLES ARE UNACCEPTABLE.
- SEE TABLE FOR OUTLET TEE DIMENSIONS.
- SAFETY CALCULATIONS REQUIRED FOR SEPTIC TANKS INSTALLED IN GROUNDWATER.
- SEE CONSTRUCTION NOTES FOR ADDITIONAL REQUIREMENTS.

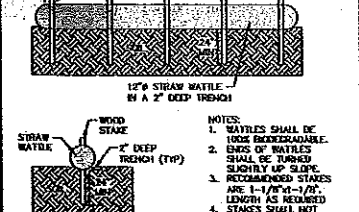


TYPICAL LEACHING TRENCH

NOT TO SCALE

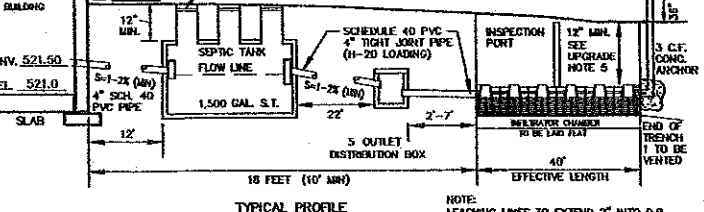
INFILTRATOR QUICK 4 HIGH CAPACITY CHAMBERS

NOT TO SCALE



STRAW WATTLE EROSION CONTROL BARRIER

NOT TO SCALE



TYPICAL PROFILE

NOT TO SCALE

NOTE: LEACHING LINES TO EXTEND 2\"/>

- LOCAL UPGRADE REQUEST:**
- SECT. 15.211 MINIMUM SETBACK DISTANCES. REDUCE THE REQUIRED 10-FOOT SEPARATION FROM A SOL ABSORPTION SYSTEM TO A PROPERTY LINE TO 4- FEET. ALLOWED UNDER LOCAL UPGRADE SECT. 15.405 (1)(G).
 - SECT. 15.211 MINIMUM SETBACK DISTANCES. REDUCE THE REQUIRED 50-FOOT SEPARATION FROM A SOL ABSORPTION SYSTEM TO A SURFACE WATER TO 32- FEET. ALLOWED UNDER LOCAL UPGRADE SECT. 15.405 (1)(I).
 - SECT. 15.211 MINIMUM SETBACK DISTANCES. REDUCE THE REQUIRED 100-FOOT SEPARATION FROM A SOL ABSORPTION SYSTEM TO A PRIVATE WELL TO 52- FEET AND 53 FEET. ALLOWED UNDER LOCAL UPGRADE SECT. 15.405 (1)(G).

DESIGN ELEVATIONS

TOP OF FOUNDATION	EX. N/A	528.5
SLAB ELEVATION	EX. N/A	521.0
INV. AT HSE		521.50 521.30
INV. AT SEPTIC TANK INLET		521.25 521.05
INV. AT SEPTIC TANK OUTLET		521.00 520.80
INV. AT DIST. BOX INLET		520.60
INV. AT DIST. BOX OUTLET		520.43
TOP OF CHAMBER		520.67
INV. AT CHAMBER INLET		520.34
BOTTOM OF CHAMBER		519.67
EXIST. GRADE @ S.A.S.		525.4
ELEV. OF GROUND WATER	NONE @ 515.4 (10')	
ELEV. OF REFUSAL	NONE @ 515.4 (10')	
AVERAGE ELEV. OVER SYSTEM		SEE PLAN

LEACHING FACILITY DESIGN CRITERIA

TYPE OF BUILDING	RESIDENTIAL
DISPOSAL	N/A
BEDROOMS	2 BEDROOM
DAILY FLOW	2x110 = 220 GPD
PERC. DESIGN RATE	6 MIN./INCH
SOIL CLASS. / FLOW	220 / 60 = 3.67 (LOCAL)
LEACH AREA REQ'D	220 / 60 = 367 SF
INFILTRATOR QUICK 4 CHAMBER	
LEACHING AREA	4.72 SF/ LF (BED CFG.)
367 SF / 4.72 SF/LF = 77.8 LF REQ'D	
77.8 LF / 4.0 LF/UNIT = 20 UNITS REQ'D	
20 UNITS X 4.0 LF/UNIT = 80 LF	
80 LF X 4.72 SF/LF = 378 SF PROVIDED	
DESIGN FLOW:	378 SF X 0.60 GPD/SF = 228 GPD
NITROGEN SENSITIVE ZONE	YES/NO_YES..
USE 2 ROWS OF 10 (BED CONFIGURATION)	
INFILTRATOR QUICK 4 CHAMBERS & 5 OUTLET D.B.	

- CONSTRUCTION NOTES:**
- SEPTIC TANK(S) AND DISTRIBUTION BOX(ES) SHALL BE INSTALLED LEVEL AND TRUE TO GRADE ON A 6" BED OF CRUSHED STONE. BASE SHALL BE STABLE, LEVEL, AND MECHANICALLY COMPACTED TO THE SATISFACTION OF THE ENGINEER. IN ALL, PROPER COMPACTION IS REQUIRED TO ENSURE STABILITY AND TO PREVENT SETTLING.
 - FILL SHALL BE PLACED WITH A MAXIMUM LIFT THICKNESS OF 6" AND COMPACTED BY DOZER TO THE SATISFACTION OF THE ENGINEER.
 - IF THE DESIGN OF THE LEACHING AREA CALLS FOR A 5-FOOT EXCAVATION AREA, EXTEND TRENCH EXCAVATION 5 FEET LATERALLY IN ALL DIRECTIONS AND TO THE DEPTH OF NATURALLY OCCURRING PERVIOUS MATERIAL. THE ENTIRE EXCAVATION SHALL THEN BE BACKFILLED FILLED WITH MATERIAL TO AN ELEVATION 1-FOOT ABOVE THE INVERTS OF THE RESPECTIVE TRENCHES.
 - ALL UNUSED KNOCKOUTS IN SEPTIC TANK(S) AND DISTRIBUTION BOX(ES) SHALL BE SEALED WITH HYDRAULIC CEMENT.
 - MANHOLE COVER OVER ANY COMPONENT OF THE SEPTIC SYSTEM NOT TO EXCEED 36". EXCEPT AS SHOWN.
 - MANHOLE COVER OVER ANY COMPONENT OF THE SEPTIC SYSTEM TO BE 6" PRIOR TO PLACEMENT OF TOPSOIL.
 - SYSTEM IS TO BE FLAGGED OFF WITH CAUTION TAPE AFTER BACKFILLING.

- DESIGN NOTES:**
- ALL TOPSOIL (A HORIZON), SUBSOIL (B HORIZON) AND OTHER IMPERVIOUS MATERIAL SHALL BE EXCAVATED TO PVIOUS MATERIALS.
 - THE INSTALLATION OF PROPOSED SYSTEM SHALL BE DONE IN CONFORMANCE WITH LOCAL AND STATE BOARD OF HEALTH REGULATIONS
 - NO PORTION OF THIS SYSTEM SHALL BE ALTERED WITHOUT APPROVAL FROM THE BOARD OF HEALTH AND THE DESIGN ENGINEER.
 - IF THE DESIGN OF THE SOL ABSORPTION SYSTEM CALLS FOR A 5-FOOT EXCAVATION AREA, THE FILL MATERIAL SHALL CONSIST OF SELECT ON-SITE OR IMPORTED SOIL MATERIAL CONSISTING OF CLEAN GRANULAR SAND FREE FROM ORGANIC MATTER AND DELECTRIOUS SOIL SUBSTANCES, MIXTURES AND LAYERS OF DIFFERENT CLASSES OF SOIL SHALL NOT BE USED. A SEVE ANALYSIS SHALL BE PERFORMED IN ACCORDANCE WITH 310 CUR 15.253(3).
 - THIS SYSTEM IS NOT DESIGNED TO ACCOMMODATE A GARBAGE DISPOSAL.
 - ELEVATIONS REFERS TO ASSURED DATUM.
 - OBJECTS NOT TO BE USED FOR THE REPRODUCTION OF PROPERTY LINES
 - ALL INSPECTIONS NECESSARY FOR THE CERTIFICATION OF THE SEPTIC SYSTEM AND THE PREPARATION OF AN AS-BUILT PLAN ARE TO BE PERFORMED BY THE DESIGN ENGINEER.

THESE PLANS AND SPECIFICATIONS COMPLY WITH THE TOWN OF SUTTON'S WETLAND AND RIVERFRONT DISTRICT ADMINISTRATION BYLAW

12/1/15 Con Comm Comments - RQ

11/1/16 REV. W/ 10' DPTD W/ BUBBLES IN RUSK ROAD; RELOCATE F-DRAIN W/ LAND. KG

LOCAL UPGRADE SITE DEVELOPMENT & FACILITIES PLAN

FOR

172 MANCHAUG ROAD

IN

SUTTON, MASSACHUSETTS

DATE: NOVEMBER 9, 2011 SCALE: 1" = 10'

REVISION	DESCRIPTION
1-12-2012	ADD IMPERVIOUS BARRIER PER BOARD OF HEALTH
10-31-2012	CONCEPTUAL REVISED HOUSE AND SEPTIC LAYOUT
08-02-2014	REVISED HOUSE LAYOUT
08-07-2014	CONFORM COMMENTS
08-13-2014	ADD EXISTING DRAIN PIPE AND SWALE
08-20-2014	FRENCH DRAIN

OWNER/APPLICANT: KAREN BRONSON

ADDRESS: 145 MACARTHUR DRIVE NORTHBRIDGE, MA 01534

Guerriere & Halnon, Inc.

Professional Engineering & Land Surveying

1029 FRENCH ROAD, WHITEVILLE, MA 01568

(508) 234-6834 FAX (508) 234-6725

WWW.GUERRIEREANDHALNON.COM

W-2644

SHEET 1 OF 1

Attachment #2

Brandon Faneuf

From: Brandon Faneuf <bfaneuf@ecosystem-solutions.com>
Sent: Tuesday, July 12, 2016 8:37 AM
To: 'Shelley Hultgren'
Cc: 'Scott Morrision'
Subject: RE: 289 & 290 Putnam Hill Road, Sutton

Shelly,

Some comments to hopefully finish this plan up:

General

How is the progress for taking these lots out of Ch61 going?

289 PHR

1. RE mowing notes: change the note to state that mowing in the field shall be 2x/yr *maximum*. Saying a minimum one per year makes me afraid that someone could interpret that as they could mow it as lawn. I still have concerns that it is difficult to mandate (and monitor) a homeowner hay a field, including a wetland.
2. You should be aware that the requirement to eradicate invasive plants in jurisdictional areas will be an in-perpetuity Condition. Let me know if you have any objections.
3. You can remove the second note RE the VP at flag AD-25. That applies to 290 PHR.
4. Do you have a document stating who's responsible for the completion of the wetland replication area and obtaining the COC? Jeff H. said at the last meeting that he has it in his contract to be responsible for wetland replication. We're waiting for that letter.
5. Please make a note that the individual houses shown on the plan are for visualization purposes only and *not* part of the application and that any future permitting, if needed, will be done on an individual basis for houses, lawns, driveways beyond the common driveway, etc.
6. If possible, mark the end of the "common driveway" so the Commission can have an idea of where disturbance allowed with the application end and where individual future applications, if necessary, would start.

290 PHR

1. It looks like the LOD boundary signs stop in the vicinity of flag AF-10. I have a feeling this is because the application is just associated with driveway construction, but please continue the signs, every 50' *and* where there's a jog in the LOD line, all the way around the houses on Lots 6, , and 8 (east, north, and west sides and south side of Lot 8, as applicable). This is consistent with what has been done for 289 Putnam Hill Rd.
2. In order to minimize impacts, I've red-lined the plan to show a permanent LOD on Lots 7 & 8. It follows the area between the driveway and the 100' AURA. It will create unmanaged (albeit invasive species) "islands" between the driveways and also expand the protection in the AURA on the south side of the driveway on Lot 8. You can place the LOD for it 5' off the edge of the driveway. *Also, these areas will require signage.* The idea here is that just because the Commission will allow a driveway through the AURA near the wetland when there is no other option doesn't mean that the rest of the AURA suddenly becomes useless and can be converted to lawn.
3. I still don't know what the Commission will say about the disturbance associated with the house on Lot 6. A comment was made by Mr. Tefft that he didn't believe that bird and bat houses were "permanent" enough to count as mitigation for "permanent" disturbance associated with the house and lawn in the 100' AURA. Invasive species eradication is a form of mitigation, but the Commission will have to decide if they believe that it is enough to offset permanent impacts from the house and lawn in the 100' AURA for Lot 6. This application is, of course, just for the driveway with the house lots and individual driveways being for the Commission's benefit in

order to see a more full buildout scenario, but consider this a "word to the wise" when applying for an individual NOI.

4. Please make a note that the individual houses shown on the plan are for visualization purposes only and *not* part of the application and that any future permitting, if needed, will be done on an individual basis for houses, lawns, driveways beyond the common driveway, etc.
5. If possible, mark the end of the "common driveway" so the Commission can have an idea of where disturbance allowed with the application end and where individual future applications, if necessary, would start.

Thank you,

Brandon

From: Shelley Hultgren [mailto:Shelley.JHEngineering@outlook.com]

Sent: Wednesday, June 01, 2016 12:10 PM

To: Brandon Faneuf <bfaneuf@ecosystem-solutions.com>

Subject: Re: 289 & 290 Putnam Hill Road, Sutton

Hi Brandon,

Attached, find the revised plans for 289 & 290 Putnam Hill Road based on comments at the last hearing.

- The mowing note has been revised to include mowing of the BVW.
- The mowing note has been added to the plan view in two locations.
- The word "suggested" has been removed from the heading "Other Suggested Mitigation"
- The AD-series wetland line flags have been labeled (rear of lots 6,7,8)
- The note about bird boxes has been revised to say "bird/bat boxes"
- The client is supposed to be providing the Commission with a letter relative to the CH. 61A. It is my understanding that it has been released by the Town.

Jeff Howland will be at the hearing tonight.

Regards,

Shelley E. Hultgren
Sr. Civil/Project Engineer
Cell: 774-262-0054

