

No. 97
2006

FEE 200.00
CR# 2980

COMMONWEALTH OF MASSACHUSETTS

Board of Health, Plymouth, MA.

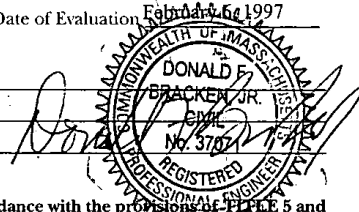
APPLICATION FOR DISPOSAL SYSTEM CONSTRUCTION PERMIT

Application for a Permit to Construct (X) Repair () Upgrade () Abandon () - (X) Complete System () Individual Components

Location <u>Menotomy Road</u>	Owner's Name <u>Gerald Robillard</u>
Map/Parcel# <u>Map 54 Jones</u>	Address <u>220 Commercial Street, Boston, MA 02109</u>
Lot# <u>Lot 10-48, 10-49, 10-50</u>	Telephone#
Installer's Name <u>Jones exc</u>	Designer's Name <u>Bracken Engineering, Inc.</u>
Address <u>Box 830 Sag Beach, MA 02562</u>	Address <u>110 State Road, Unit 3, Sagamore Beach, MA 02562</u>
Telephone# <u>(508) 888-3600</u>	Telephone# <u>508-833-0070</u>

Type of Building Single Family Dwelling Lot Size 33,000 sq. ft.
 Dwelling - No. of Bedrooms 4 Garbage grinder ()
 Other - Type of Building _____ No. of persons _____ Showers (), Cafeteria ()
 Other Fixtures _____
 Design Flow (min. required) 440 gpd Calculated design flow 450 Design flow provided 450 gpd
 Plan: Date February 6, 2001 Number of sheets 1 Revision Date 2/19/01, 4/20/01, 1/10/06
 Title "Subsurface Sewage Disposal System in Plymouth, MA"
 Description of Soil(s) See Form
 Soil Evaluator Form No. 11 Name of Soil Evaluator Donald F. Bracken, Jr., P.E. Date of Evaluation February 6, 1997

DESCRIPTION OF REPAIRS OR ALTERATIONS



The undersigned agrees to install the above described Individual Sewage Disposal System in accordance with the provisions of TITLE 5 and further agrees to not to place the system in operation until a Certificate of Compliance has been issued by the Board of Health.

Signed [Signature] Date 9-20-06

Inspections _____

No. 97
2006

FEE \$200

COMMONWEALTH OF MASSACHUSETTS

Board of Health, Plymouth, MA.

CERTIFICATE OF COMPLIANCE

Description of Work: () Individual Component(s) (X) Complete System

The undersigned hereby certify that the Sewage Disposal System; Constructed (X), Repaired (), Upgraded (), Abandoned ()
 by: Bracken Eng For Gerald Robillard
 at Menotomy Road - Map 54 - Lot 10-48, 10-49, 10-50
 has been installed in accordance with the provisions of 310 CMR 15.00 (Title 5) and the approved design plans/as-built plans relating to
 application No. 97, dated 3-30-06 Approved Design Flow 450 (gpd)
 Installer Greg Jones Dave Ward
 Designer: Paula D Bracken Inspector Susan Merrifield / Kirk
 The issuance of this permit shall not be construed as a guarantee that the system will function as designed.

No. 97
2006

FEE \$200

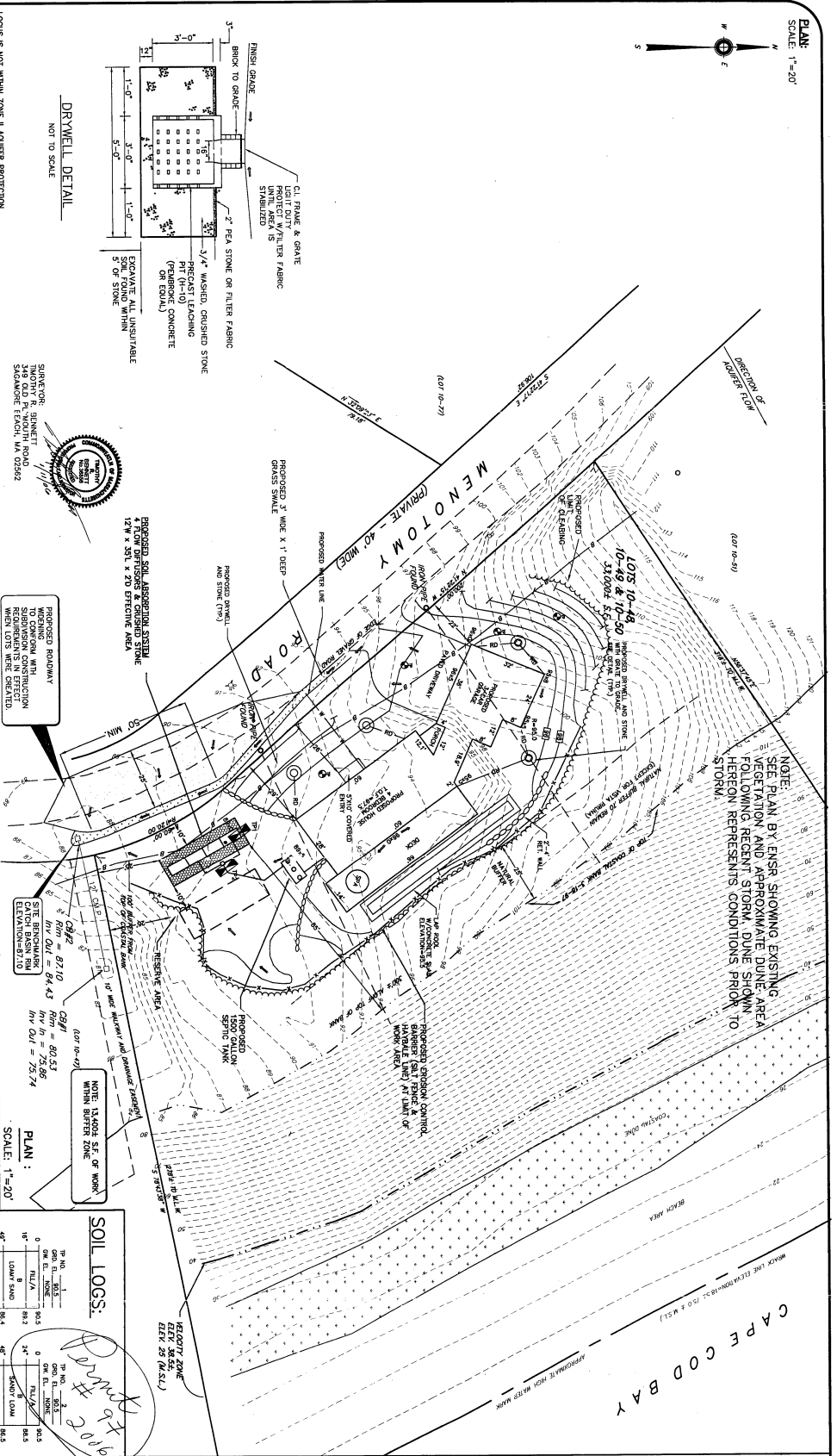
COMMONWEALTH OF MASSACHUSETTS

Board of Health, Plymouth, MA.

DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permission is hereby granted to; Construct (X) Repair () Upgrade () Abandon () an individual sewage disposal system
 at Menotomy Road - Map 54 - Lot 10-48, 10-49, 10-50 as described in the application for
 Disposal System Construction Permit No. 97, dated 3-30-06

Provided: Construction shall be completed within three years of the date of this permit. All local conditions must be met.



NOTES:

- BENCHMARK: CATCH BASIN RW
- ELEVATION=87.10 (ASSUMED DATA)
- CONTRACTOR SHALL VERIFY ALL UTILITIES TO BOARD OF HEALTH REGULATIONS.
- WASHER STONE TO BE FREE OF ALL GUTS AND PINE.
- NO FIELD ADJUSTMENT TO THE SYSTEM SHALL BE MADE AND BOARD OF HEALTH.
- ALL UTILITIES TO BE MAINTAINED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES.
- A CERTIFICATE OF COMPLIANCE MUST BE OBTAINED PRIOR TO DISBURSING SYSTEM.
- OWNER/ARCHITECT: 194 097
- 202 COMMERCIAL STREET
- ASSISTANT: 194 097
- PROPERTY LINE DIMENSIONS TAKEN FROM:
- PLAN #58 OF 1958
- CONTRIBUTOR SHALL NOTIFY ENGINEER IMMEDIATELY IF SOIL OR SITE CONDITIONS DIFFER FROM THOSE SHOWN.
- THE DESIGN IS INTENDED TO MEET THE CITY AND OTHER REGULATIONS. THE CONTRACTOR SHALL VERIFY THAT THE PLAN DOES NOT QUANTIFY THAT THE SYSTEM WILL BE THE ONLY MEANS OF THE SYSTEM.

ZONING REQUIREMENTS

ZONE: O.D. (225) SQR: 10'

AREA: 1' REAR: 10'

FRONT: 20'

LOCUS PLAN: LOCUS

PROFILE:
NOT TO SCALE

DRYWELL DETAIL
NOT TO SCALE

STATIONER: SHEPHERD
348 OLD PLYMOUTH ROAD
SPRINGFIELD, MA 01104

PROPOSED SOIL ABSORPTION SYSTEM
4 FLOW DIFFUSERS & CONCRETE STONE
12M x 36M x 2D EFFICIENT AREA

PROPOSED ROADWAY
WORKING DRAWING FOR CONSTRUCTION
CONSTRUCTION CONTRACT (EXHIBIT 2.1)

NOTE: 1500 GALLON SEPTIC TANK WITH BUFFER ZONE

PLAN: SCALE: 1"=20'

DESIGN CALCULATIONS:

DESIGN CALCULATIONS:

SOIL TEXTURE CLASS: CLAY

PERC. RATE: LESS THAN 2 IN./DAY

NO. OF BEDROOMS: 4 AT 110 GAL/DAY/PERSON

DESIGN FLOW REQUIRED: 440 GPD

SEPTIC TANK SIZE: 1500 GALLON (MINIMUM)

LEACHING PROVIDED: 2 X 12\"/>

SOIL LOGS:

DEPTH (FT)	PERCENTAGE (%)	SOIL TYPE
0 - 1	100	FINE SAND
1 - 2	100	FINE SAND
2 - 3	100	FINE SAND
3 - 4	100	FINE SAND
4 - 5	100	FINE SAND
5 - 6	100	FINE SAND
6 - 7	100	FINE SAND
7 - 8	100	FINE SAND
8 - 9	100	FINE SAND
9 - 10	100	FINE SAND

SUBSURFACE SEWAGE DISPOSAL SYSTEM IN PLYMOUTH, MA

Prepared For: **GERALD J. ROBILARD**

MAP 54 LOTS 10-48 10'-50'

Scale: 1"=20'

Sheet: 1 of 1

Drawn By: [Name]

Checked By: [Name]

110 State Road, Unit 3
Sagamore Beach, MA 02532
Phone: 508-533-0710 Fax: 508-533-2282



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wastewater Permitting Program
Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

Map 54, Lots 10-48, 10-49, 10-50- MENOTOMY ROAD
Site Address or Map/Lot Number

A. Facility Information

1. Facility Information
OWNER Name: GERALD J. ROBILLARD Map/Lot: Map 54, Lots 10-48, 10-49, 10-50
Street Address: 220 COMMERCIAL STREET MA _____ Zip Code: 02109
City: BOSTON State: _____

B. Site Information

1. (Check one) New Construction Upgrade Repair
2. Published Soil Survey available? Yes No If yes: 1969 Year Published _____ CcD _____
Publication Scale: 1:20,000 Soil Map Unit _____

CARVER & GLOUCESTER SOILS Poor Filter _____
Soil Name _____ Soil limitations _____
3. Surficial Geological Report available? Yes No If yes: _____ Year Published _____ Publication Scale _____ Map Unit _____

4. Flood Rate Insurance Map: _____ Landform _____
Above the 500 year flood boundary? Yes No Within the 100 year flood boundary? Yes No
Within the 500 year flood boundary? Yes No Within a Velocity Zone? Yes No

5. Wetland Area: National Wetland Inventory Map _____ Name _____
Wetlands Conservancy Program Map _____ Map Unit _____
6. Current Water Resource Conditions (USGS) February 1997 Range: Above Normal Normal Below Normal
Month/Year _____

7. Other references reviewed: _____



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wastewater Permitting Program
Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

Map 54, Lots 10-48, 10-49, 10-50, MENDOTOMY, ROAD
Site Address or Map/Lot Number

C. On-Site Review (minimum of two holes required at every proposed disposal area)

Deep Observation Hole A: 02/06/1997 Date 9:00 Time cloudy Weather

1. Deep Observation Hole Logs

Deep Hole Number 1 Ground Elevation at Surface of Hole see plan
Location (Identify on Plan) see plan

2. Land Use: Vacant Lot (e.g. woodland, agricultural field, vacant lot, etc.) None Surface Stones 5-10% Slope (%)
Oaks and Pines Vegetation Outwash Plain Landform see plan Position on landscape (attach sheet)

3. Distances from: Open Water Body >100' feet Drainage Way >50' feet Possible Wet Area >100' feet
Property Line >20' feet Drinking Water Well >100' feet Other

4. Parent Material: Glacial Till Unsuitable Materials Present: Yes No

If Yes: Disturbed Soil Fill Material Impervious Layer(s) Weathered/Fractured Rock Bedrock

5. Groundwater Observed: Yes No

If Yes: Depth Weeping from Pit _____ Depth Standing Water in Hole _____
Estimated Depth to High Groundwater: 168" inches 76.5 elevation



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wastewater Permitting Program
 Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

Map 54, Lots 10-48, 10-49, 10-50, MENOTOMY ROAD
 Site Address or Map/Lot Number

Deep Observation Hole A: _____ Deep Hole Number: 1

Depth (in.)	Soil Horizon/ Layer	Soil Matrix: Color-Moist (Munsell)	Redoximorphic Features (mottles)			Soil Texture (USDA)	Coarse Fragments % by Volume		Soil Structure	Soil Consistence (Moist)	Other
			Depth	Color	Percent		Gravel	Cobbles & Stones			
0-16"	FILL					FILL					
16-49"	B					Loamy Sand					
49-57"	C1					Fine-Medium Sand				Loose	
57-168"	C2					Fine Sand				Loose	

Additional Notes _____



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wastewater Permitting Program
Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

Map 54, Lots 10-48, 10-49, 10-50- MENOTOMY ROAD
Site Address or Map/Lot Number

C. On-Site Review (Cont.)

Deep Observation Hole B: 02/06/1997
Date

9:00
Time

clear
Weather

1. Deep Observation Hole Logs

Deep Hole Number 2 Ground Elevation at Surface of Hole see plan

Location (Identify on Plan) see plan

2. Land Use: Vacant Lot None 5-10%
(e.g. woodland, agricultural field, vacant lot, etc.) Surface Stones Slope (%)

Oaks and Pines Outwash Plain see plan
Vegetation Landform Position on landscape (attach sheet)

3. Distances from: Open Water Body >100' Drainage Way >50' Possible Wet Area >100'
Property Line >20' Drinking Water Well >100' Other _____
feet feet feet

4. Parent Material: Glacial Till Unsuitable Materials Present: Yes No

If Yes: Disturbed Soil Fill Material Impervious Layer(s) Weathered/Fractured Rock Bedrock

5. Groundwater Observed: Yes No

If Yes: Depth Weeping from Pit _____ Depth Standing Water in Hole _____

Estimated Depth to High Groundwater: 168" 76.5
inches elevation



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wastewater Permitting Program
 Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

Map 54, Lots 10-48, 10-49, 10-50, MENOTOMY ROAD
 Site Address or Map/Lot Number

Deep Observation Hole B: Deep Hole Number: 2

Depth (in.)	Soil Horizon/ Layer	Soil Matrix: Color-Moist (Munsell)	Redoximorphic Features (mottles)		Soil Texture (USDA)	Coarse Fragments % by Volume		Soil Structure	Soil Consistence (Moist)	Other
			Depth	Color		Percent	Gravel			
1-24"	FILL									
24-48"	B				Sandy Loam					
48-82"	C1				Fine-Coarse Sand				Loose	
82-168"	C2				Fine Sand				Loose	

Additional Notes



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wastewater Permitting Program
Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

Map 54, Lots 10-48, 10-49, 10-50, MENDOTOMY ROAD
Site Address or Map/Lot Number

D. Determination of High Groundwater Elevation

1. Method used:
- Depth observed standing water in observation hole A. none inches B. none inches
 - Depth weeping from side of observation hole A. none inches B. none inches
 - Depth to soil redoximorphic features (mottles) A. none inches B. none inches
 - Groundwater adjustment (USGS methodology) A. none inches B. none inches

2. Index Well Number _____ Reading Date _____ Index Well Level _____

Adjustment Factor _____ Adjusted Groundwater Level _____

E. Depth of Pervious Material

1. Depth of Naturally Occurring Pervious Material

- a. Does at least four feet of naturally occurring pervious material exist in all areas observed throughout the area proposed for the soil absorption system? Yes No
- b. If yes, at what depth was it observed? Upper boundary: TP# 1- 49" Lower boundary: TP# 2- 168"
inches inches

F. Certification

I certify that I have passed the soil evaluator examination* approved by the Department of Environmental Protection and that the above analysis was performed by me consistent with the required training, expertise and experience described in 31 0 CMR 15.017.

Donald F. Bracken, Jr.
Signature of Soil Evaluator

Date _____

Donald F. Bracken, Jr., P.E. - Bracken Engineering, Inc.
Typed or Printed Name of Soil Evaluator

5/95
*Date of Soil Evaluator Exam

Jay M. McKinnon
Name of Board of Health Witness

Plymouth - Agent
Board of Health

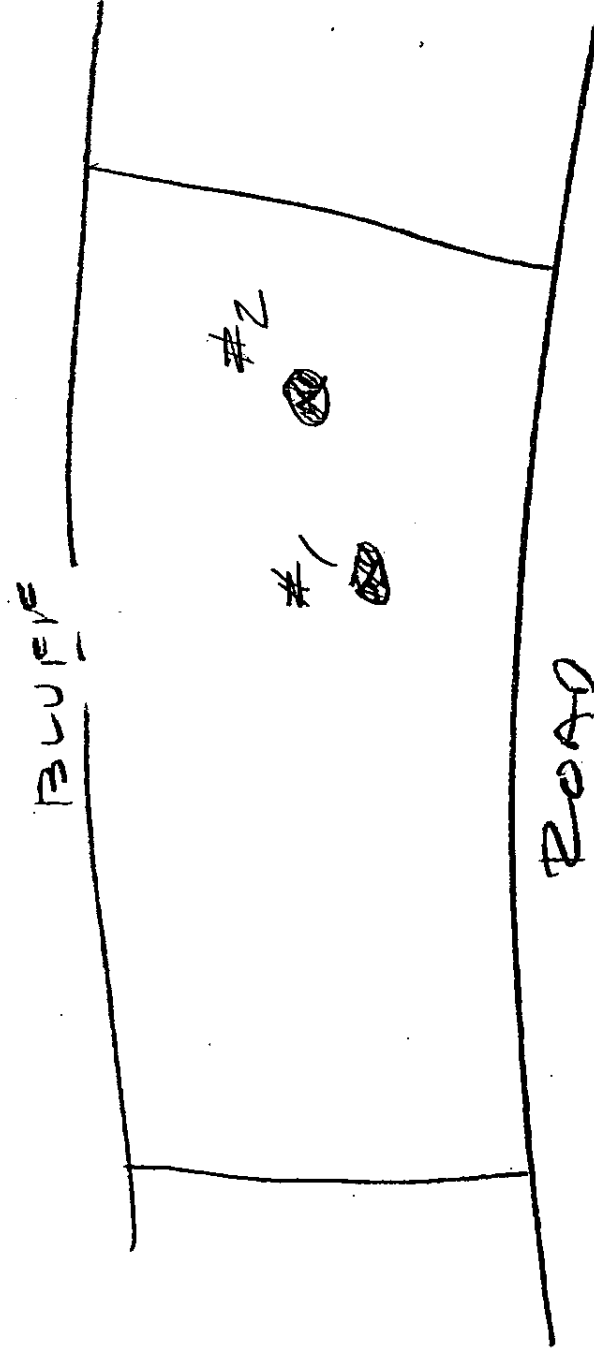
Note: This form must be submitted to the approving authority with Percolation Test Form 12



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wastewater Permitting Program
Form 11 - Soil Suitability Assessment for On-Site Sewage Disposal

Map 54, Lots 10-48, 10-49, 10-50 - MENOTOMY ROAD
Site Address or Map/Lot Number

Use this sheet for field diagrams:



Location Address or Lot No. Map 54, Lots 10-48, 10-49, 10-50- MENOTOMY ROAD

COMMONWEALTH OF MASSACHUSETTS

Plymouth, Massachusetts

Percolation Test*		
Date: <u>February 06, 1997</u>		Time: _____
Observation. Hole #	1	2
Depth of Perc	57"	82"
Start Pre-soak	9:10	9:30
End Pre-soak	9:14	9:42
Time at 12"		
Time at 9"		
Time at 6"		
Time (9"-6")	< 6 Minutes	
Rate Min./Inch	< 2 min/inch	< 2 MPI

• Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed Site Failed

Performed By: Donald F. Bracken, Jr., P.E. - Bracken Engineering, Inc.

Witnessed By: Jay M. McKinnon - Plymouth (agent)

Comments: _____



RECEIVED

TOWN OF PLYMOUTH
OFFICE OF THE BUILDING COMMISSIONER
11 LINCOLN STREET, PLYMOUTH, MA 02360
(508) 830-4032 FAX# (508) 830-4062

JAN 13 2006

FEE: \$20.00

CASH

CHECK

ZONING PERMIT # 57

ZONING DISTRICT

B-25 R20MD

ZONING PERMIT APPLICATION
(THIS IS NOT A BUILDING PERMIT)

10-48,10-49 &

LOT 10-50 PLAT 54

1. LOCATION OF PROPERTY Menotomy Road
2. PERMIT TO ERECT MOVE ALTER DEMOLISH OTHER
3. PRESENT USE: Vacant Lot
4. NEW PROPOSED USE Single Family Dwelling
5. NEW BLDG./ADDITION - HEIGHT <35' High SIZE see below
6. LIST EXISTING NO. & TYPE OF ROOMS 4 Bedroom, Living, Dining, Kitchen, 2 Bath
7. AREA OF LOT 33,000 s.f. NO. FT. FRONT 260' REAR 300' DEPTH 318'
8. DESCRIPTION OF WORK TO BE DONE Construct a 2 story single family dwelling measuring 60' x 28' & 18.9' x 12', with a garage measuring 36' x 24' & 8' x 24', one porch measuring 5' x 10' and one porch measuring 8'x9'x12'x4', and a 66' x 14' deck.
9. REQUIRED SITE PLAN ON BACK SEPARATE (SEE DETAILS ON BACK)

IT IS UNDERSTOOD AND AGREED THAT THE ZONING PERMIT IS ISSUED IN RELIANCE UPON THE INFORMATION SUBMITTED BY THE PETITIONER ON AND WITH THE APPLICATION, THEREFORE, IF ANY FALSE OR MISLEADING INFORMATION IS FOUND TO EXIST THEREIN, THE ZONING PERMIT IS VOIDABLE BY THE BUILDING OFFICIAL. ZONING PERMITS ARE GOOD FOR ONE YEAR

The Conservation Commission has found this project to be under the jurisdiction of the State Wetlands Protection Act, MGL. Chapter 131, Section 40, and/or the Town of Plymouth Wetlands Protection Bylaw. NO Building Permit will be issued, NOR will any work commence on this project until you have presented your plan(s) to the Conservation Commission and received either a Negative "Determination of Applicability" or "Order of Conditions" for work to proceed, which has been recorded at the Registry of Deeds.

DO NOT WRITE BELOW THIS LINE

ZONING PERMIT APPROVED: CONDITIONS two story single family house 28'x60', 18.9'x12' ell, 36'x24' garage, 8'x24' ell, 5'x10' porch, 8'x9', 12'x4' porch, 66'x14' deck with steps, subject to conservation conditions; also subject to conditions stated in Planning Board letter dated 7-9-96 are adhered to and verified by an engineer.

ZONING PERMIT UNAPPROVED:

NOTE: PLEASE DETERMINE MEASUREMENT OF STEPS FOR THE BUILDING PERMIT APPLICATION.

1-13-2006
DATE ISSUED

Richard J. Mansfield
BUILDING OFFICIAL



Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

DEP File Number

WPA Form 7 – Extension Permit for Orders of Conditions

SE 57-1747

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

Provided by DEP

A. General Information

1. Applicant:

Gerald J. Robillard

Name

220 Commercial St.

Mailing Address

Boston

MA

02109

City/Town

State

Zip Code

2. Property Owner (if different):

Cavicke Family Trust et.al.

Name

85 Joshua Lane

Mailing Address

Lyme

CT

06371

City/Town

State

Zip Code

B. Finding Information

The Order of Conditions (or Extension Permit) issued to the applicant or property owner listed above on:

August 16, 2001

Date

for work at:

Menotomy Road

Plymouth

Plat 54

various

Street Address

Assessor's Map/Plat Number Parcel/Lot Number

recorded at the Registry of Deeds for:

Plymouth

13039

330

County

Book

Page

Certificate (if registered land)

is hereby extended until:

August 16, 2007

Date

This date can be no more than 3 years from the expiration date of the Order of Conditions or the latest extension. Only unexpired Orders of Conditions or Extension may be extended.

Date the Order was last extended (if applicable):

Date

Issued by:

Department of Environmental Protection

Issuing Authority

Bracken Engineering
110 State Rd Unit 3
Sagamore Beach MA 02562

WPA 1

63350

310 CMR 10.99

Form 5

Commonwealth
of Massachusetts

Plymouth File No. PCC- 01 - 11

DEP File No. SB57- 1747
Town of Plymouth, MA

Applicant ROBILLARD, Gerald J.

Date Request Filed 2/26/01

Received & Recorded
PLYMOUTH COUNTY
REGISTRY OF DEEDS
23 MAY 2001 11:11AM
JOHN R. BUCKLEY, JR.
REGISTER
Bk 19878 Pg 14-18

**ORDER OF CONDITIONS
MASSACHUSETTS WETLANDS PROTECTION ACT
G.L.C. 131, §40, AND
TOWN OF PLYMOUTH WETLANDS BYLAW, ARTICLE 27**

From PLYMOUTH CONSERVATION COMMISSION Issuing Authority.

To Gerald J. Robillard
(Name of applicant)
220 Commercial Street
(mailing address)
Boston, MA 02109

Cavicke Family Trust
Richard J. Cavicke, Mary Agnes
(Name of property owner) Cavicke
85 Joshua Lane
(mailing address)
Lyme CT 06371

This Order is issued and delivered as follows:

_____ by hand delivery to applicant or representative on _____ (date)

X by certified mail, return receipt requested on May 2, 2001 (date)

This project is located at PLAT 54 LOT(S) 10-48, 10-49, 10-50
Menotomy Road (street address)

The property is recorded at the Registry of Deeds, Plymouth County

Book 13039 Page 330

Certificate (if registered land) _____

The Notice of Intent for this project was filed on 2/26/01 (date)

The public hearing was closed on 4/30/01 (date)

Findings: PCC = Plymouth Conservation Commission

The PCC has reviewed the above-referenced Notice of Intent and plans and has held a public hearing on the project. Based on the information available to the PCC at this time, the PCC has determined that the area on which the proposed work is to be done is significant to the following interests in accordance with the Presumptions of Significance set forth in the regulations for each Area Subject to Protection Under the Act (check as appropriate):

- Public water supply
- Private water supply
- Ground water supply
- Flood Control
- Storm damage prevention
- Prevention of pollution
- Land containing shellfish
- Fisheries
- Protection of wildlife habitat
- Recreation*
- Aesthetics*
- Sedimentation Control*
- Agriculture/Aquaculture*
- Endangered Plant Species*
- Erosion Control*

Total Filing Fee Submitted \$ 360.00

State Share \$ 167.50
(1/2 fee in excess of \$25)

City/Town Share \$ 192.50

Total Refund Due \$ _____

City/Town Portion \$ _____ (1/2 total)
State Portion \$ _____ (1/2 total)

4/1/94

*PERTAINS TO TOWN OF PLYMOUTH WETLANDS BYLAW

Therefore, the Plymouth Conservation Commission hereby finds that the following conditions are necessary, in accordance with the Performance Standards set forth in the regulations, to protect those interests checked above. The Commission orders that all work shall be performed in accordance with said conditions and with the Notice of Intent referenced above. To the extent that the following conditions modify or differ from the plans, specifications or other proposals submitted with the Notice of Intent, the conditions shall control.

General Conditions

1. Failure to comply with all conditions stated herein, and with all related statutes and other regulatory measures, shall be deemed cause to revoke or modify this Order.
2. The Order does not grant any property rights or any exclusive privileges; it does not authorize any injury to private property or invasion of private rights.
3. This Order does not relieve the permittee or any other person of the necessity of complying with all other applicable federal, state or local statutes, ordinances, by-laws or regulations.
4. The work authorized hereunder shall be completed within three years from the date of this Order unless either of the following apply:
 - a) The work is a maintenance dredging project as provided for in the Act; or
 - b) The time for completion has been extended to a specified date more than three years, but less than five years, from the date of issuance and both that date and the special circumstances warranting the extended time period are set forth in this Order.
5. This Order may be extended by the issuing authority for one or more periods of up to three years each upon application to the issuing authority at least 30 days prior to the expiration date of the Order.
6. Any fill used in connection with this project shall be clean fill, containing no trash, refuse, rubbish or debris, including but not limited to lumber, bricks, plaster, wire, lath, paper, cardboard, pipe, tires, ashes, refrigerators, motor vehicles or part of any of the foregoing.
7. No work shall be undertaken until all administrative appeal periods from this Order have elapsed or, if such an appeal has been filed, until all proceedings before the Department have been completed.
8. No work shall be undertaken until the Final Order has been recorded in the Registry of Deeds or the Land Court for the district in which the land is located, within the chain of title of the affected property. IN the case of recorded land, the Final Order shall also be noted in the Registry's Grantor Index under the name of the owner of the land upon which the proposed work is to be done. In the case of registered land, the Final Order shall also be noted on the Land Court Certificate of Title of the owner of the land upon which the proposed work is to be done. The recording information shall be submitted to the Plymouth Conservation Office on the form at the end of this Order prior to commencement of work.
9. A sign shall be displayed at the site not less than two square feet or more than three square feet in size bearing the words, "Massachusetts Department of Environmental Protection,
File No. SE57- 1747 and PCC- 01 - 11 "
10. Where the Department of Environmental Protection is requested to make a determination and to issue a Superseding Order, the Conservation Commission shall be a party to all agency proceedings and hearings before the Department.
11. Upon completion of the work described herein, the applicant shall forthwith request in writing that a Certificate of Compliance be issued stating that the work has been satisfactorily completed.

Gerald J. Robillard
 SES7-1747, PCC-01-11

12. The work shall conform to the following plans and special conditions:

<u>Title</u>	<u>Rec'd</u>	<u>Dated</u>	<u>Signed & Stamped by:</u>	<u>On File With</u>
Notice of Intent w/all supporting documents & Plans		2/26/01		PCC
Swage Disposal System		2/6/2001	Mark M. Flaherty, PE	PCC
Letter from ENSR	REV	4/20/01	Russell V. Stefani, PLS	
		3/8/01	J. Andrew Walsh, Assoc. Wetland Scinties	PCC
Letter from ENSR w/Attachment "C"-Bank Detail for Gerald J. Robillard Menotomy Road Plat 54, Lot 10-48, 10-49, 10-50		4/19/01	Stanley M. Humphries, Senior Coastal Geologist	PCC

13. The applicant or owner shall allow the Commission members and/or their agent to inspect the property in order to evaluate compliance with the conditions of this Order. Reasonable notice to the applicant shall be attempted prior to said inspection.

14. All construction must comply with the latest referenced plans and the conditions of this Order. Under this filing, no change in plan is permissible without prior written approval from the Commission. For any proposed change in the approved plans or in the work, the applicant shall inquire in writing of the Commission whether the change is substantial enough to require either an Amended Order of Conditions or a new Notice of Intent.

15. The Conservation Commission shall be notified at least five (5) days prior to the commencement of work. This notification must be in writing and sent either by mail or hand delivered to the Conservation office, Town Hall, 11 Lincoln Street., Plymouth, MA 02360. This enables the Commission the opportunity to insure all preconstruction conditions have been met.

16. Copies of all required permits, including proof of recording of the Order from the Registry of Deeds (Book and Page No.), shall be submitted to the Commission prior to commencing any work on site.

17. The project engineer(s) and contractor(s) shall be provided with copies of this Order, the submitted Notice of Intent, and the above referenced plans and shall have these documents available on-site during construction.

18. Disturbed areas shall be stabilized to prevent erosion with hay, straw, mulch or other protective covering or method approved by the U.S. Department of Agriculture Soil Conservation Service.

19. Any debris generated from any work by the applicant shall be removed from the site.

20. Construction may be considered complete after all disturbed areas have been revegetated with plant material acceptable to the Conservation Commission.

21. If a project has been completed in accordance with plans stamped by a registered professional engineer, architect, landscape architect or land surveyor, a written statement by such a professional person certifying substantial compliance with the plans and setting forth what deviation, if any, exists from the plans approved in the Order shall accompany the request for a Certificate of Compliance.

22. This Order shall apply to and become the responsibility of the applicant, owner, their agent, successor or assignee.

Gerald J. Robillard
SE57-1747, PCC-01-11

23. Failure to comply with any of the conditions listed in this Order, including but not limited to time limitations, notifications, installation of erosion control measures, recording of the order, and project construction, shall be deemed sufficient cause, unless adequate justification is provided, for the issuance of non-criminal citation(s), under the TOWN OF PLYMOUTH WETLANDS BYLAW. Thus, please read this order and contact this office for any assistance needed.

24. No additional work shall be allowed in or within 100 feet of the wetland/resource area boundary, including but not limited to the cutting or removing, of vegetation or soil, unless it is specifically allowed by this Order and as is shown on the final approved plan, or unless it is first approved by the Conservation Commission. The purpose of this condition is to encourage the growth and stability of natural vegetation (trees, shrubs, thickets, etc.) and land features, in order to provide an undisturbed natural buffer to the wetland and/or resource area.

25. Copies of all plans and/or other information received by the Commission for this project shall be submitted by the applicant to the Southeast Regional Office of the Department of Environmental Protection (DEP), 20 Riverside Drive, Route 105, Lakeville, MA 02347.

26. Prior to the commencement of work, the Conservation Staff Aide and/or Commissioners shall inspect the property in order to approve of the siltation barrier installation, which shall be as per the final approved plans referenced (or mandated by) this Order, and thus between the wetlands resource area and the proposed work. No work can commence without this approval. The siltation barrier shall be a line of double staked haybales or siltation fence, which shall either be backfilled on the upgradient side or entrenched.

SPECIAL CONDITIONS:

27. The Commission has determined that the resource area boundary is the Top of the Coastal Bank (bluff) and it shall be protected by a properly backfilled or entrenched siltation fence or double staked haybale line.

28. The siltation barrier location shall indicate the limit of work and shall be maintained so as to function properly, until all disturbed areas to be revegetated, have become well established with vegetation.

29. The coastal bank, by its nature, is acting as both a sediment supply to coastal beaches, coastal dunes or barrier beaches (310 CMR 10.30 (2)) and as a vertical buffer to storm waters (310 CMR 10.30 (5) and (6)). Therefore, the coastal bank has been determined to be significant to storm damage prevention and flood control.

30. All water runoff from the lot shall be directed away from the bluff and the abutting properties to either side.

31. As per 310 CMR 10.30 (5), 310 CMR 10.30 (3) of the Wetlands Regulations, promulgated under M.G.L. C. 131., s. 40, requires that no coastal engineering structure, such as a bulkhead, revetment or seawall shall be permitted on an eroding bank at any time in the future to protect the project allowed by this Order of Conditions. **THIS CONDITION SHALL NOT EXPIRE WITH THE ISSUANCE OF A CERTIFICATE OF COMPLIANCE.**

32. The septic system shall be approved by the Board of Health, prior to the commencement of work. Any changes shall require approval by the Commission.

33. The applicant shall use a pool filtration system that utilizes minimal chlorine use, such as Nature2.

34. Grass clippings, branches, and/or other debris must not be dumped over the bluff.

35. The Snow Fence location shall be staked for approval by the Plymouth Conservation Commission.

36. A coastal wetlands specialist shall monitor the bank stabilization program on a yearly basis for 5 years and submit a report (including photographs) on the status of the vegetation, snow fence and dune stabilization.

THIS CONDITION SHALL NOT EXPIRE WITH THE ISSUANCE OF A CERTIFICATE OF COMPLIANCE BUT SHALL REMAIN IN FORCE UNTIL THE 5TH MONITORING REPORT HAS ISSUED TO THE CONSERVATION OFFICE. ONLY A PARTIAL CERTIFICATE OF COMPLIANCE (IF REQUESTED) WILL BE ISSUED UNTIL THE 5TH YEAR.

Issued by Plymouth Conservation Commission

Signature(s)

Karen Richcreek

Richard A. Lumb
Richard Carroll

Sheldon Gene
Douglas & Hunt

This Order must be signed by a majority of the Conservation Commission.

On this 30th day of April 2001, before me personally appeared Karen L. Richcreek, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed.

Michelle A. Turner

Notary Public
Michelle A. Turner

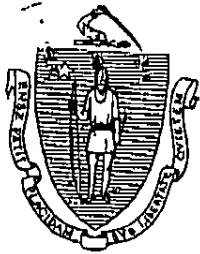
July 26, 2002

My commission expires

- The applicant, the owner, any person aggrieved by this Order, any owner of land abutting the land upon which the proposed work is to be done, or any ten residents of the city or town in which such land is located, are hereby notified of their right to request the Department of Environmental Protection to issue a Superseding Order, providing the request is made by certified mail or hand delivery to the Department, with the appropriate filing fee and Fee Transmittal Form as provided in 310 CMR 10.03(7), within ten days from the date of issuance of this determination. A copy of the request shall at the same time be sent by certified mail or hand delivery to the Conservation Commission and the applicant.
- Any person aggrieved by a decision of the Conservation Commission under the Town's Bylaw may appeal to Superior Court within 60 days from the date of issuance of this Order.
- Any condition pertaining solely to the Town of Plymouth Wetlands By-law may not be appealed to the State.
- All other conditions are being issued under both the Massachusetts Wetlands Protection Act and the Town of Plymouth Wetlands Bylaw and pursuant regulations.

Submit to the CONSERVATION OFFICE prior to commencement of work.

~~~~~ CUT HERE ~~~~~



JANE SWIFT  
Governor

COMMONWEALTH OF MASSACHUSETTS  
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
SOUTHEAST REGIONAL OFFICE

20 RIVERSIDE DRIVE, LAKEVILLE, MA 02347 508-946-2700

RECEIVED

BOB DURAND  
Secretary

LAUREN A. LISS  
Commissioner

AUG 20 2001

Conservation Commission  
Plymouth, MA

COPY

AUG 16 2001

Wayne & Carol Jessop  
95 Menotomy Road.  
Plymouth, Massachusetts 02360

RE: PLYMOUTH—Wetlands  
File No. SE 57-1747  
Superseding Order of Conditions  
AFFIRMATION

Dear Mr. And Mrs. Jessop:

Following an in-depth review of the above referenced file, and in accordance with Massachusetts General Laws, Chapter 131, Section 40, the Department of Environmental Protection has issued the enclosed Superseding Order of Conditions. This Order affirms the Order of Conditions issued by the Plymouth Conservation Commission.

The proposal calls for the construction of a single-family dwelling, with attached garage, septic system, lap pool and associated grading within the 100-foot buffer zone of a coastal bank. The coastal bank will be stabilized and vegetated with indigenous species and a snow fence is to be installed at the toe of the bank to encourage dune formation. The coastal bank has been determined to be significant to the statutory interests of flood control, storm damage prevention and wildlife habitat. A Registered Professional Engineer has stamped the project plans. During the course of the on-site inspection the engineer stated that the proposed project is not expected to adversely affect the structural integrity of the bank. Soil logs demonstrate that the bank is composed of different densities of sand within the area of proposed impact and no clay layers, which might cause water to break out of the seaward face of the bank.

The Department has determined that the proposed project as conditioned by the Plymouth Conservation Commission meets the performance standards at 310 CMR 10.30. Pursuant to 310 CMR 10.05 (7) (i), the Department issues this Superseding Order, which affirms the Plymouth Conservation Commission's Order of Conditions postmarked on May 2, 2001.

In the opinion of the Department, the reasons given here are sufficient to justify this Superseding Order of Conditions. The Department reserves the right however, to raise additional issues and present further evidence as may be appropriate.

This information is available in alternate format by calling our ADA Coordinator at (617) 574-6872.

DEP on the World Wide Web: <http://www.state.ma.us/dep>

Printed on Recycled Paper

May. 27 2004 12:51PM P1

FAX NO.: 15088304116

FROM: PLYMOUTH REDEVELOPMENT

Should you have any questions, please contact Ms. Lenore White at (508) 946-2809.

Very truly yours,



Elizabeth A. Kouloheras  
Bureau of Resource Protection

Cc: Plymouth Conservation Commission

Gerald Robillard  
220 Commercial St.  
Boston, MA 02109

CERTIFIED MAIL -RETURN RECEIPT REQUESTED  
7001 0320 0001 4831 4488

Flaherty, Stefani & Bracken, Inc.  
67 Samoset St.  
Plymouth, MA 02360

Cavicke Family Trust  
85 Joshua Ln.  
Lyme, CT 06371

**RECEIVED**

Form 5

AUG 20 2001

DEP File No. SE 57-1747

Commonwealth of  
Massachusetts

Conservation Commission  
Plymouth, MA

(To be provided by DEP)

City/Town PLYMOUTH

Applicant Gerald J. Robillard

**AFFIRMATION**  
**Superseding Order of Conditions**  
**Massachusetts Wetlands Protection Act**  
**G.L. c.131, §40**

From: Department of Environmental Protection

To: Gerald J. Robillard (Name of Applicant)

Address: 220 Commercial St., Boston, MA 02109 (applicant)

To: Cavicke Family Trust, et. al. (Name of Property Owner)

Address: 85 Joshua Ln., Lyme, CT 06371 (owner)

This Order is issued and delivered as follows:

by hand delivery to applicant or representative on \_\_\_\_\_ (date)

by certified mail, return receipt requested on AUG 16 2001 (date)  
7001 0320 0001 4831 4488

This project is located at Menotomy Road

The property is recorded at the Registry of Deeds, Plymouth

Book 13039

Page 330

Certificate (if registered) \_\_\_\_\_

The Notice of Intent for this project was filed on February 26, 2001 (date)

The public hearing was closed on April 30, 2001 (date)

**Findings**

The Department of Environmental Protection has reviewed the above-referenced Notice of Intent and plans and has held a public hearing on the project. Based on the information available to the Department of Environmental Protection at this time, the Department of Environmental Protection has determined that the area on which the proposed work is to be done is significant to the following interests in accordance with the Presumptions of Significance set forth in the regulations for each Area Subject to Protection Under the Act (check as appropriate):

- |                                               |                                                             |                                                                    |
|-----------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------|
| <input type="checkbox"/> Public water supply  | <input checked="" type="checkbox"/> Flood control           | <input type="checkbox"/> Land containing shellfish                 |
| <input type="checkbox"/> Private water supply | <input checked="" type="checkbox"/> Storm damage prevention | <input type="checkbox"/> Fisheries                                 |
| <input type="checkbox"/> Ground water supply  | <input type="checkbox"/> Prevention of pollution            | <input checked="" type="checkbox"/> Protection of wildlife habitat |

Total Filing Fee Submitted \$360.00 State Share: \$167.50

City/Town Share \$192.50 (1/2 fee in excess of \$25)

Total Refund Due \$ \_\_\_\_\_ City/Town Portion \$ \_\_\_\_\_ State Portion \$ \_\_\_\_\_

(1/2 total)

(1/2 total)

5-1B

Therefore, the Department of Environmental Protection hereby finds that the following conditions are necessary, in accordance with the Performance Standards set forth in the regulations, to protect those interests checked above. The Department of Environmental Protection orders that all work shall be performed in accordance with said conditions and with the Notice of Intent referenced above. To the extent that the following conditions modify or differ from the plans, specifications or other proposals submitted with the Notice of Intent, the conditions shall control.

#### General Conditions

1. Failure to comply with all conditions stated herein, and with all related statutes and other regulatory measures, shall be deemed cause to revoke or modify this Order.
2. The Order does not grant any property rights or any exclusive privileges; it does not authorize any injury to private property or invasion of private rights.
3. This Order does not relieve the permittee or any other person of the necessity of complying with all other applicable federal, state or local statutes, ordinances, by-laws or regulations.
4. The work authorized hereunder shall be completed within three years from the date of this Order unless either of the following apply:
  - (a) the work is a maintenance dredging project as provided for in the Act; or
  - (b) the time for completion has been extended to a specified date more than three years, but less than five years, from the date of issuance and both that date and the special circumstances warranting the extended time period are set forth in this Order.
5. This Order may be extended by the issuing authority for one or more periods of up to three years each upon application to the issuing authority at least 30 days prior to the expiration date of the Order.
6. Any fill used in connection with this project shall be clean fill, containing no trash, refuse, rubbish or debris, including but not limited to lumber, bricks, plaster, wire, lath, paper, cardboard, pipe, tires, ashes, refrigerators, motor vehicles or parts of any of the foregoing.
7. No work shall be undertaken until all administrative appeal periods from this Order have elapsed or, if such an appeal has been filed, until all proceedings before the Department have been completed.
8. No work shall be undertaken until the Final Order has been recorded in the Registry of Deeds or the Land Court for the district in which the land is located, within the chain of title of the affected property. In the case of recorded land, the Final Order shall also be noted in the Registry's Grantor Index under the name of the owner of the land upon which the proposed work is to be done. In the case of registered land, the Final Order shall also be noted on the Land Court Certificate of Title of the owner of the land upon which the proposed work is to be done. The recording information shall be submitted to the Department of Environmental Protection on the form at the end of this Order prior to commencement of the work.
9. A sign shall be displayed at the site not less than two square feet or more than three square feet in size bearing the words, "Massachusetts Department of Environmental Protection, File Number SE 57-1747."
10. Where the Department of Environmental Protection is requested to make a determination and to issue a Superseding Order, the Conservation Commission shall be a party to all agency proceedings and hearings before the Department.
11. Upon completion of the work described herein, the applicant shall forthwith request in writing that a Certificate of Compliance (WPA Form 8B) be issued stating that the work has been satisfactorily completed.

12. The work shall conform to the following plans and special conditions:

Plans:

Title: Sewage Disposal System

Dated: February 6, 2001

Signed & Stamped by: Donald F. Bracken, Jr., RPE

On File With: DEP

Title March 8, 2001 letter (ENSR to Robillard)

Dated: revised by letter dated April 19, 2001

Signed & Stamped by: Stanley M. Humphries, Senior Coastal Geologist

On File With: DEP

13. Any changes to the plans identified in Condition #12 above shall require the applicant to inquire of the Department in writing whether the change is significant enough to require the filing of a new Notice of Intent.
14. The Agent or members of the Conservation Commission and Department of Environmental Protection shall have the right to enter and inspect the area subject to this Order at reasonable hours to evaluate compliance with the conditions stated in this Order, and may require the submittal of any data deemed necessary by the Department for that evaluation.
15. This Order of Conditions shall apply to any successor in interest or successor in control of the property subject to this Order and to any contractor or other person performing work conditioned by this Order.
16. Prior to the start of work, and if the project involves work adjacent to a Bordering Vegetated Wetland, the boundary of the wetland in the vicinity of the proposed work area shall be marked by wooden stakes or flagging. Once in place, the wetland boundary markers shall serve as the limit of work (unless another limit of work line has been noted in the plans of record) and be maintained until a Certificate of Compliance has been issued by the Department.
17. All sedimentation barriers shall be maintained in good repair until all disturbed areas have been fully stabilized with vegetation or other means. At no time shall sediments be deposited in a wetland or water body. During construction, the applicant or his/her designee shall inspect the erosion controls on a daily basis and shall remove accumulated sediments as needed. The applicant shall immediately control any erosion problems that occur at the site and shall also immediately notify the Department, which reserves the right to require additional erosion and/or damage prevention controls it may deem necessary.

Pursuant to 310 CMR 10.05 (7) (i), the Department issues this Superseding Order of Conditions which affirms the Plymouth Conservation Commission's Order of Conditions postmarked on May 2, 2001, as attached hereto and incorporated by reference.

See attached Special Condition numbers 18, 19 and 20.

Issued by the Department of Environmental Protection

Signature Elizabeth A. Kouloheras

Elizabeth A. Kouloheras, Bureau of Resource Protection

On this 16<sup>th</sup> day of August, 2001, before me

personally appeared Elizabeth A. Kouloheras

to me known to be the person described in and who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed.

Carlos B. Fragata  
Notary Public CARLOS B. FRAGATA

December 1, 2006  
My commission expires

Notice of Appeal Rights:

**A) Appeal Rights and Time Limits**

The applicant, the owner, any person aggrieved by the Superseding Order, any owner of land abutting the land upon which the proposed work is to be done, or any ten (10) persons pursuant to M.G.L. c.30A, §10A, are hereby notified of their right to request an adjudicatory hearing pursuant to M.G.L. c.30A, § 10, providing the request is made by certified mail or hand delivery to the Department, with the appropriate filing fee and a DEP Fee Transmittal Form within ten (10) business days from the date of issuance of this Superseding Order, and addressed to:

Docket Clerk  
Office of Administrative Appeals  
Department of Environmental Protection  
One Winter Street, 3<sup>rd</sup> Floor  
Boston, MA 02108.

A copy of the request shall at the same time be sent by certified mail or hand delivery to the Conservation Commission, the applicant, and the issuing office of the DEP at:

DEP Southeast Region  
20 Riverside Drive  
Lakeville, MA 02347

**B) Contents of Hearing Request**

A Notice of Claim for Adjudicatory Hearing shall comply with the Department's Rules for Adjudicatory Proceedings, 310 CMR 1.01(6), and shall contain the following information:

- (a) the DEP Wetlands File Number, name of the applicant and address of the project;
- (b) the complete name, address, and fax and telephone numbers of the party filing the request, and, if represented by consultant or counsel, the name, fax and telephone numbers, and address of the representative;
- (c) the names, telephone and fax numbers, and addresses of all other parties, if known;
- (d) a clear and concise statement of (1) the facts which are grounds for the proceedings, (2) the objections to this Superseding Order, including specifically the manner in which it is alleged to be inconsistent with the Department's Wetlands Regulations, 310 CMR 10.00, and does not contribute to the protection of the interests identified in the Act, and (3) the relief sought through the adjudicatory hearing, including specifically the changes desired in the Superseding Order;
- (e) a statement that a copy of the request has been sent by certified mail or hand delivery to the applicant and the conservation commission.

**C) Filing Fee and Address**

A copy of the Notice of Claim along with a DEP Fee Transmittal Form and a valid check or money order payable to the Commonwealth of Massachusetts in the amount of one hundred dollars (\$100) must be mailed to:

Commonwealth of Massachusetts  
Department of Environmental Protection  
Commonwealth Master Lockbox  
P.O. Box 4062  
Boston, Massachusetts 02211

The request will be dismissed if the filing fee is not paid, unless the appellant is exempt or granted a waiver. The filing fee is not required if the appellant is a city or town (or municipal agency), county, or district of the Commonwealth of Massachusetts, or a municipal housing authority. The Department may waive the adjudicatory hearing filing fee pursuant to 310 CMR 4.06(2) for a person who shows that paying the fee will create an undue financial hardship. A person seeking a waiver must file an affidavit setting forth the facts believed to support the claim of undue financial hardship together with the hearing request as provided above.

Failure to submit all necessary information may result in a dismissal by the Department of the Notice of Claim for an Adjudicatory Hearing.

Detach on dotted line and submit to the Department of Environmental Protection prior to commencement of work.

.....  
To Department of Environmental Protection, Issuing Authority.  
Please be advised that the Order of Conditions for the project at Menotomy Road  
File Number SE 57-1747, has been recorded at the Registry of Deeds, Plymouth and has been noted in the chain of title  
of the affected property in accordance with General Condition 8 on \_\_\_\_\_, 200\_\_\_\_\_  
If recorded land, the instrument number which identifies this transaction is \_\_\_\_\_  
If registered land, the document number which identifies this transaction is \_\_\_\_\_

Signature \_\_\_\_\_, Applicant  
lw



Superseding Order of Conditions for SE 57-1747

**Special Conditions:**

18. The sand/snow fence shown and described on the above referenced plans shall be installed prior to any other construction activities.
19. Revegetation of the bank as described and shown on the above referenced plans shall be done by hand.
20. Bank revegetation efforts shall not occur or otherwise disturb the bird nesting habitat at the top of the bank.



Town of Plymouth  
**BOARD OF HEALTH**  
 508-747-1620 ext.118  
 Fax.508-830-4062

Permit# 97/2006

Address: 83 Menotomy Rd

Installer: Tom Date/Time: 12/19/2006

1) As Built Available? OK

2) Septic Tank: OK

a) Distance from house is at least 10 OK

b) 1500 gallon Septic Tank OK

c) Authorized to reuse 1000 gallon Tank per BOH Variance \_\_\_\_\_

d) Outlet Tee 2-3" lower than inlet OK

e) Zabel filter (or equivalent) on outlet tee is installed OK

3) D Box:

a) Flow is even through all outlets OK

b) 8% slope or more into box requires tee NA

4) SAS (soil absorption system):

a) Total square foot of SAS conforms to plan OK stage OK

b) Proper distance between trenches \_\_\_\_\_

c) Length of trenches conforms to plan \_\_\_\_\_

d) End caps on \_\_\_\_\_

e) Schedule 40 PVC pipe OK

f) Depth of SAS (in layer of perc) OK

g) SAS is 3 feet less or less from ground elevation OK

h) Depth beneath pipe (24" minimum) OK

5) Pumps:

a) Test alarms \_\_\_\_\_

b) Circuit Panel: separate circuits for pump & alarm & labeled X

c) Pump has been tested \_\_\_\_\_

d) If pressure dosing, check height of water at end of lines \_\_\_\_\_

6) Other:

a) As noted on plan: such as 40 mil. Barrier, retaining wall, vent, etc. NA

7) COC:

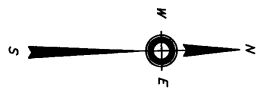
a) Signed BACK AT OFFICE and ONLY when you are satisfied system is right.

Inspector: [Signature] Date: 12/19/2006

**OFFICE USE ONLY:**

Received \_\_\_\_\_ Submitted for Payment: \_\_\_\_\_

**PLAN:**  
SCALE: 1"=30'



**TIES TO COMPONENTS**

| A | B     | DESCRIPTION            |
|---|-------|------------------------|
| 1 | 16.0' | TANK COVER IN          |
| 2 | 14.5' | TANK COVER CENTER      |
| 3 | 14.0' | TANK COVER OUT         |
| 4 | 35.0' | D-BOX                  |
| 5 | 24'   | END CENTERLINE CHAMBER |
| 6 | 55.6' | END CENTERLINE CHAMBER |
| 7 | 35.7' | ACCESS PORT            |

**TO THE TOWN OF PLYMOUTH:**

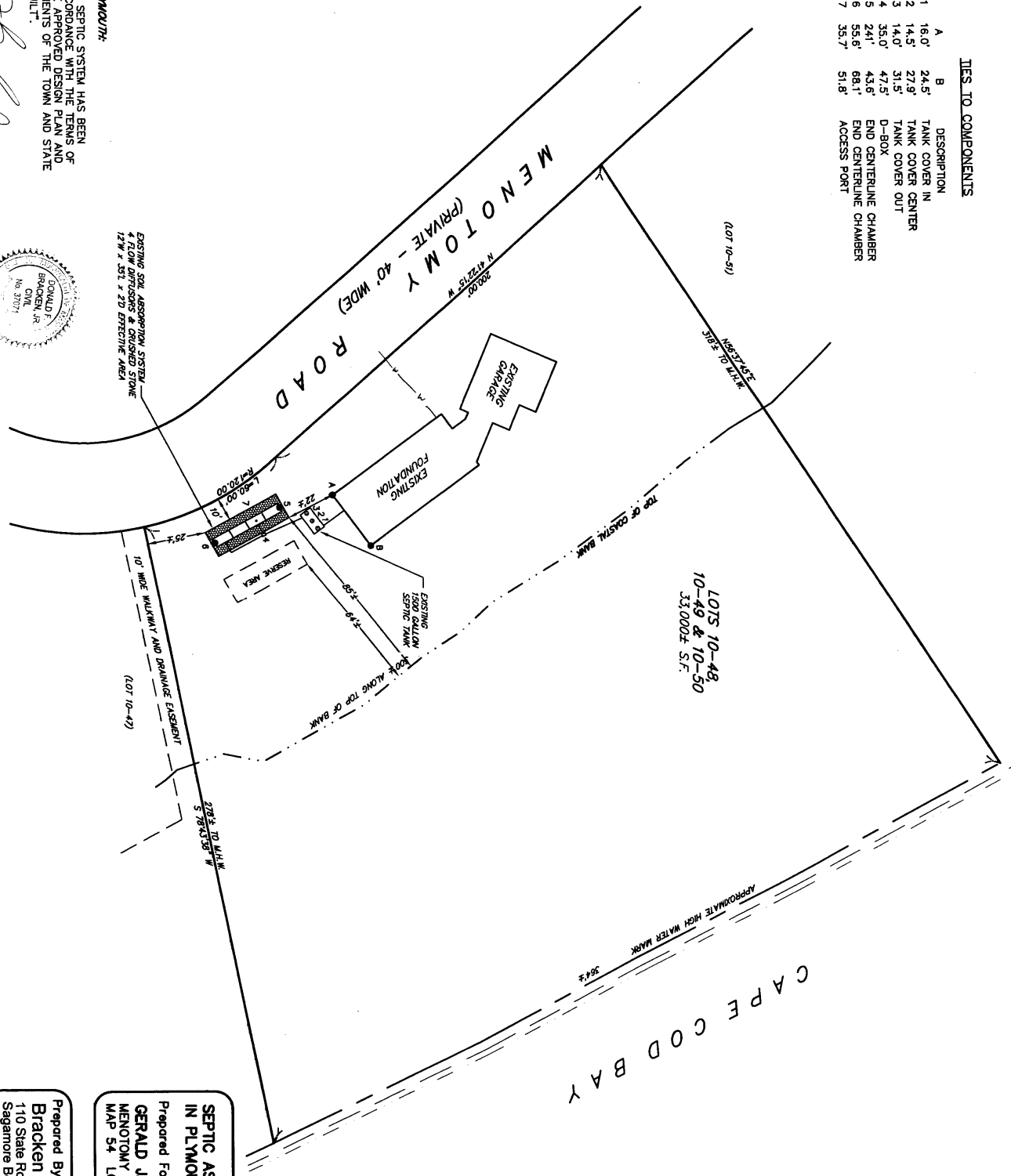
I CERTIFY THAT THE SEPTIC SYSTEM HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE TERMS OF THE PERMIT AND THE APPROVED DESIGN PLAN AND MEETS THE REQUIREMENTS OF THE TOWN AND STATE REGULATIONS, AS-BUILT.

DONALD F. BRACKEN, JR., P.E.

INSTALLER



EXISTING SOIL ABSORPTION SYSTEM  
4 FLOW DIFFUSERS & CRUSHED STONE  
12" W x 35" x 20" RECTANGULAR AREA



LOTS 10-48  
10-49 & 10-50  
33,000 S.F.

10' WIDE WALKWAY AND DRAINAGE EXPOSURE  
(LOT 10-42)

**SEPTIC AS-BUILT  
IN PLYMOUTH, MA**

Prepared For:  
**GERALD J. ROBILLARD**  
MENOTOMY ROAD  
MAP 54 LOTS 10-48 thru 10-50

Prepared By:  
**Bracken Engineering, Inc.**  
110 State Road, Unit 3  
Sagamore Beach, MA, 02562  
Phone: 508-833-0070  
Fax: 508-833-2282

Permit # 97-2006

No. 96

CR# 3784

FEE 150<sup>00</sup>

2006

COMMONWEALTH OF MASSACHUSETTS

Board of Health, PLYMOUTH, MA.

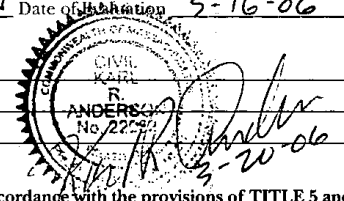
APPLICATION FOR DISPOSAL SYSTEM CONSTRUCTION PERMIT

Application for a Permit to Construct ( ) Repair ( ) Upgrade ( ) Abandon ( ) -  Complete System  Individual Components

|                                           |                                          |
|-------------------------------------------|------------------------------------------|
| Location <u>13 LAWRENCE RD</u>            | Owner's Name <u>RICHARD WHEELER</u>      |
| Map/Parcel# <u>106</u>                    | Address <u>13 LAWRENCE RD</u>            |
| Lot# <u>22-56A</u>                        | Telephone# <u>746-6539</u>               |
| Installer's Name <u>Baldus Sanitation</u> | Designer's Name <u>ANDERSON ASSOC</u>    |
| Address <u>11 Winham Rd.</u>              | Address <u>PO. BOX 706 MANOMET 02345</u> |
| Telephone# <u>OR - 820 - 6740</u>         | Telephone# <u>224-2267</u>               |

Type of Building DWELLING Lot Size 25,556 sq. ft.  
 Dwelling - No. of Bedrooms 3 Garbage grinder ( )  
 Other - Type of Building \_\_\_\_\_ No. of persons \_\_\_\_\_ Showers ( ), Cafeteria ( )  
 Other Fixtures \_\_\_\_\_  
 Design Flow (min. required) 330 gpd Calculated design flow 387.8 Design flow provided 387.8 gpd  
 Plan: Date 3-20-06 Number of sheets 1 Revision Date \_\_\_\_\_  
 Title SEPTIC SYSTEM REPAIRS FOR RICHARD WHEELER  
 Description of Soil(s) 0-5" LOAM, 5-30" SUBSOIL, 30"-144" SAND  
 Soil Evaluator Form No. \_\_\_\_\_ Name of Soil Evaluator STEVE NELSON Date of Evaluation 3-16-06

DESCRIPTION OF REPAIRS OR ALTERATIONS REPLACING FAILED LEACHING PIT



The undersigned agrees to install the above described Individual Sewage Disposal System in accordance with the provisions of TITLE 5 and further agrees to not to place the system in operation until a Certificate of Compliance has been issued by the Board of Health.

Signed \_\_\_\_\_ Date 5-1-06

Inspections \_\_\_\_\_

No. 96  
2006

COMMONWEALTH OF MASSACHUSETTS

Board of Health, Plymouth, MA.

CERTIFICATE OF COMPLIANCE

FEE 150-

Description of Work:  Individual Component(s)  Complete System  
 The undersigned hereby certify that the Sewage Disposal System; Constructed ( ), Repaired ( ), Upgraded ( ), Abandoned ( )  
 by: Anderson Assoc. for Richard Wheeler  
 at 13 Lawrence Rd - Lot 22-56A, Map 106  
 has been installed in accordance with the provisions of 310 CMR 15.00 (Title 5) and the approved design plans/as-built plans relating to  
 application No. 96, dated 3-30-06 Approved Design Flow 387.8 gpd  
 Installer Baldus Sanitation Dave Ward  
 Designer: Karl Anderson Inspector: Susan Merrifield Date 5-8-06  
 The issuance of this permit shall not be construed as a guarantee that the system will function as designed.

No. 96  
2006

COMMONWEALTH OF MASSACHUSETTS

Board of Health, Plymouth, MA.

DISPOSAL SYSTEM CONSTRUCTION PERMIT

FEE \$150-

Permission is hereby granted to; Construct ( ) Repair ( ) Upgrade ( ) Abandon ( ) an individual sewage disposal system at 13 Lawrence Rd Lot 22-56A, Map 106 as described in the application for Disposal System Construction Permit No. 96, dated 3-30-06

Provided: Construction shall be completed within three years of the date of this permit. All local conditions must be met.

No. \_\_\_\_\_

Date: \_\_\_\_\_

**Commonwealth of Massachusetts**  
**Plymouth, Massachusetts**  
Soil Suitability Assessment for On-site Sewage Disposal

Performed By: Stephen B. Nelson, REHS/RS

Date: 3/16/06

Witnessed By: Robert D. Sgarzi, PE, PLS

|                                                                                                                                                             |                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Location Address: 13 Lawrence Road<br>Lot and Map #: 22-56A 106<br><br>New Construction <input type="checkbox"/> Repair <input checked="" type="checkbox"/> | Owner's Name: Richard Wheeler<br>& Address: 13 Lawrence Road<br><br>Telephone # (508) 746-6539 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|

**Office Review**

Published Soil Survey Available: No  Yes

Year Published: 1968 Publication Scale: 1:20000 Soil Map Unit \_\_\_\_\_

Drainage Class: 1 Soil Limitations: Ex Well Drained

Surficial Geologic Report Available: No  Yes

Year Published \_\_\_\_\_ Publication Scale \_\_\_\_\_

Geologic Material (Map Unit) \_\_\_\_\_

Landform: Outwash plain

Flood Insurance Rate Map:

Above 500 year flood boundary: No  Yes

Within 500 year flood boundary: No  Yes

Within 100 year flood boundary: No  Yes

Wetland Area:

National Wetland Inventory Map (Map Unit) \_\_\_\_\_

Wetlands Conservancy Program Map (Map Unit) \_\_\_\_\_

Current Water Resource Conditions (USGS): Month: March, 2006

Range: Above Normal  Normal  Below Normal

Other References Reviewed:

Location Address 16 Pimental Way

**On-site Review**

Deep Hole Number: 1      Date: 3/16/06      Time: 2:30 PM      Weather: Partly cloudy, 40°F  
 Location: See Sketch  
 Land Use: Residential      Slope (%): 0-1 ±      Surface Stones: None      Vegetation: Lawn  
 Landform: Outwash plain  
 Position on landscape: (see sketch)  
 Distances from: (see design plan)  
 Open Water Body: \_\_\_\_\_ feet      Drainage way: \_\_\_\_\_ feet  
 Possible Wet Area: \_\_\_\_\_ feet      Property Line: \_\_\_\_\_ feet  
 Drinking Water Well: \_\_\_\_\_ feet      Other:

**DEEP OBSERVATION HOLE LOG\***

| Depth from Surface (inches) | Soil Horizon | Soil Texture (USDA)   | Soil Color (Munsell) | Soil Mottling | Other (Structure, Stones, Boulders Consistency, % Gravel) |
|-----------------------------|--------------|-----------------------|----------------------|---------------|-----------------------------------------------------------|
| 0-5                         | A            | Sandy loam            | 10YR3/2              |               | Lawn                                                      |
| 5-30                        | Bw           | Sandy loam            | 10YR5/6              |               | Friable                                                   |
| 30-60                       | C1           | Medium to coarse sand | 2.5Y6/4              | none          | Loose, 10% gravel, few cobbles                            |
| 60-144                      | C2           | Medium sand           | 2.5Y7/2              | none          | Loose, 5% gravel                                          |

Parent Material (geologic): Outwash      Depth to Bedrock: n/a      Mottles @: none  
 Depth to Groundwater: none      Standing Water in the Hole:      Weeping from Pit Face: none  
 Estimated Seasonal High Ground Water: ≥ 144"

Location Address or Lot No: 13 Lawrence Road

**Determination for Seasonal High Water Table**

**Method Used**

- Depth observed standing in observation hole \_\_\_\_ inches
- Depth weeping from side of observation hole \_\_\_\_ inches
- X Depth to soil mottles  $\geq$  144 inches
- Ground water adjustment \_\_\_\_ feet

Inches Well Number \_\_\_\_ Reading Date \_\_\_\_ Index Well Level \_\_\_\_

Adjustment factor \_\_\_\_ Adjusted ground water level \_\_\_\_

**Depth of Naturally Occurring Pervious Material**

Does at least four feet of naturally occurring pervious material exist in all areas observed throughout the area proposed for the soil absorption system? YES

If not, what is the depth of naturally occurring pervious material? \_\_\_\_

**Certification**

I certify that on 10/27/1997 (date) I have passed the soil evaluator examination approved by the Department of Environmental Protection and that the above analysis was performed by me, consistent with the required training and experience described in 310 CMR 15.017.

Signature Stephen B. Nelson

Date: 3/16/06

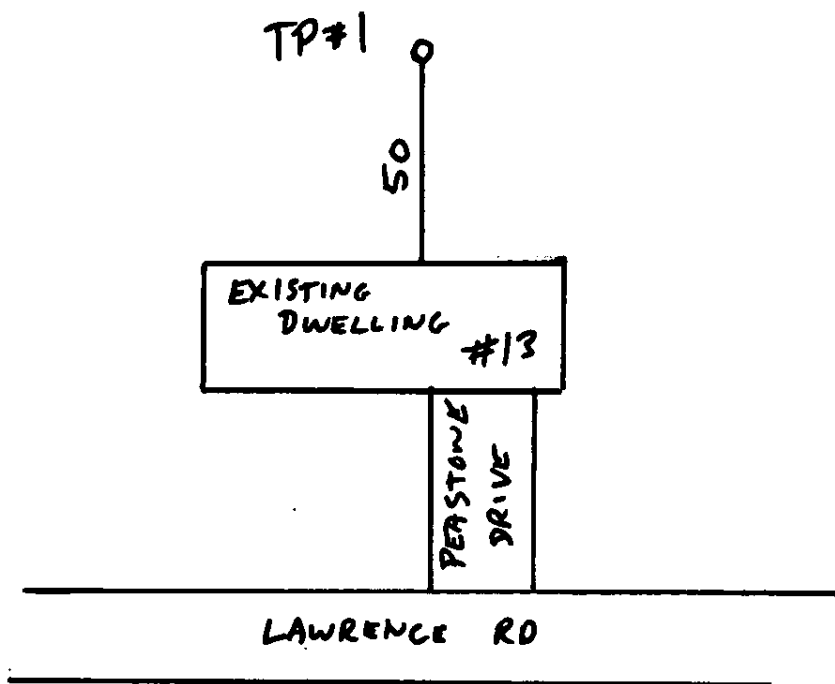
Location Address: 13 Lawrence Road

On-site Review

Date: 3/16/06

Time: 2:30 PM

Location Sketch (no scale)





Location Address or Lot No: 13 Lawrence Road

**COMMONWEALTH OF MASSACHUSETTS**

PLYMOUTH, MASSACHUSETTS

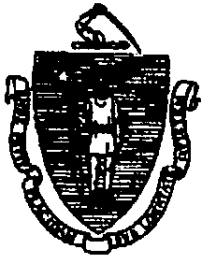
| <b>Percolation Test *</b>   |              |                       |
|-----------------------------|--------------|-----------------------|
| <b>Date: 3/16/06</b>        |              | <b>Time: as noted</b> |
| Observation Hole #          | 1            |                       |
| Depth of Perc               | 44"          |                       |
| Start Pre-soak              | 2:47 P.M.    |                       |
| End Pre-soak<br>Time at 12" | 2:54         |                       |
| Time at 9"                  | 24 gallons   |                       |
| Time at 6"                  |              |                       |
| Time (9"-6")                |              |                       |
| Rate Min./Inch              | ≤ 2 min/inch |                       |

Site Passed  Site Failed  \_\_\_\_\_

Performed By: Stephen B. Nelson, REHS/RS

Witnessed By: Robert D. Sgarzi, PE, PLS

Comments: \_\_\_\_\_



COMMONWEALTH OF MASSACHUSETTS  
 EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION

TITLE 5  
 OFFICIAL INSPECTION FORM - NOT FOR VOLUNTARY ASSESSMENTS  
 SUBSURFACE SEWAGE DISPOSAL SYSTEM FORM  
 PART A  
 CERTIFICATION

Property Address: 13 LAWRENCE RD.  
PLYMOUTH, MA.  
 Owner's Name: RICHARD WHEELER  
 Owner's Address: SAME  
 Date of Inspection: 2/21/2006

RECEIVED  
 FEB 21 2006  
 BOARD OF HEALTH  
 PLYMOUTH, MA

Name of Inspector: (please print) V. STEVE YOUNG  
 Company Name: \_\_\_\_\_  
 Mailing Address: P.O. BOX 1592  
MANOMET, MA, 02345  
 Telephone Number: 508-224-8332

**CERTIFICATION STATEMENT**

I certify that I have personally inspected the sewage disposal system at this address and that the information reported below is true, accurate and complete as of the time of the inspection. The inspection was performed based on my training and experience in the proper function and maintenance of on site sewage disposal systems. I am a DEP approved system inspector pursuant to Section 15.340 of Title 5 (310 CMR 15.000). The system:

- Passes
- Conditionally Passes
- Needs Further Evaluation by the Local Approving Authority
- Fails

Inspector's Signature: *V. Steve Young* Date: FEB. 21, 2006

The system inspector shall submit a copy of this inspection report to the Approving Authority (Board of Health or DEP) within 30 days of completing this inspection. If the system is a shared system or has a design flow of 10,000 gpd or greater, the inspector and the system owner shall submit the report to the appropriate regional office of the DEP. The original should be sent to the system owner and copies sent to the buyer, if applicable, and the approving authority.

Notes and Comments: In inspecting the septic system, due diligence and effort were exercised in locating and inspecting all relevant components of the system. However, I, Vance Steve Young shall not be held liable or responsible for any omitted, misunderstood, or incomplete information in this report, nor any services provided in reliance thereon.

\*\*\*\*This report only describes conditions at the time of inspection and under the conditions of use at that time. This inspection does not address how the system will perform in the future under the same or different conditions of use.

**OFFICIAL INSPECTION FORM – NOT FOR VOLUNTARY ASSESSMENTS  
SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM**

**PART C  
SYSTEM INFORMATION**

Property Address: 13 LAWRENCE RD.  
PLYMOUTH, MA.  
Owner's Name: RICHARD WHEELER  
Date of Inspection: 2/21/2006

**FLOW CONDITIONS**

**RESIDENTIAL**

Number of bedrooms (design): 3 Number of bedrooms (actual): 3  
DESIGN flow based on 310 CMR 15.203 (for example: 110 gpd x # of bedrooms): 330  
Number of current residents: 4  
Does residence have a garbage grinder (yes or no): NO  
Is laundry on a separate sewage system (yes or no): NO [if yes separate inspection required]  
Laundry system inspected (yes or no): YES  
Seasonal use: (yes or no): NO  
Water meter readings, if available (last 2 years usage (gpd)): N/A  
Sump pump (yes or no): NO  
Last date of occupancy: CURRENT

**COMMERCIAL/INDUSTRIAL**

Type of establishment: \_\_\_\_\_  
Design flow (based on 310 CMR 15.203): \_\_\_\_\_ gpd  
Basis of design flow (seats/persons/sqft, etc.): \_\_\_\_\_  
Grease trap present (yes or no): \_\_\_\_\_  
Industrial waste holding tank present (yes or no): \_\_\_\_\_  
Non-sanitary waste discharged to the Title 5 system (yes or no): \_\_\_\_\_  
Water meter readings, if available: \_\_\_\_\_  
Last date of occupancy/use: \_\_\_\_\_

**OTHER (describe):** \_\_\_\_\_

**GENERAL INFORMATION**

**Pumping Records PUMPED EVERY 3 YRS PER OWNER...LAST PUMP IN MAY 2005**

Source of information: \_\_\_\_\_  
Was system pumped as part of the inspection (yes or no): NO  
If yes, volume pumped: \_\_\_\_\_ gallons – How was quantity pumped determined? \_\_\_\_\_  
Reason for pumping: \_\_\_\_\_

**TYPE OF SYSTEM**

Septic tank, soil absorption system  
 Single cesspool  
 Overflow cesspool  
 Privy  
 Shared system (yes or no) (if yes, attach previous inspection records, if any)  
 Innovative/Alternative technology. Attach a copy of the current operation and maintenance contract (to be obtained from system owner)  
 Tight tank  Attach a copy of the DEP approval  
  
Other (describe): \_\_\_\_\_

Approximate age of all components, date installed (if known) and source of information: 22 YRS PER AS-BUILT DATED 11/1/84

Were sewage odors detected when arriving at the site (yes or no): NO

**OFFICIAL INSPECTION FORM - NOT FOR VOLUNTARY ASSESSMENTS**  
**SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM**  
**PART C**  
**SYSTEM INFORMATION (continued)**

Property Address: 13 LAWRENCE RD.  
PLYMOUTH, MA.  
Owner's Name: RICHARD WHEELER  
Date of Inspection: 2/21/2006

**BUILDING SEWER (locate on site plan)**

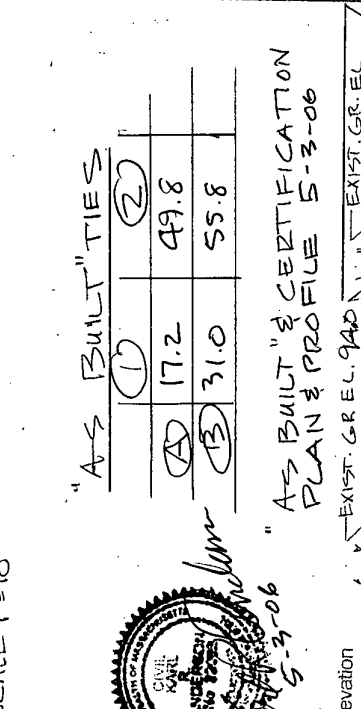
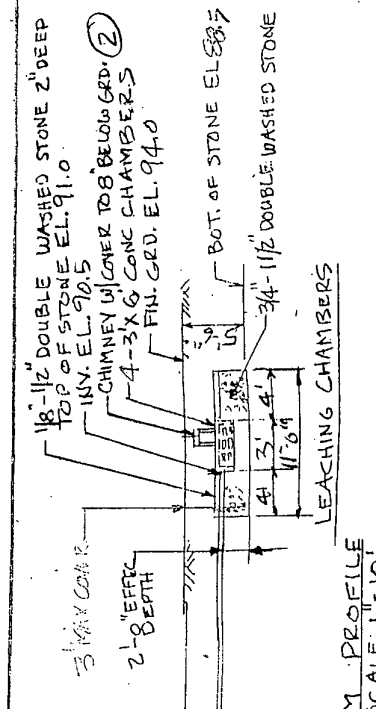
Depth below grade: \_\_\_\_\_  
Materials of construction: cast iron 40 PVC other (explain): \_\_\_\_\_  
Distance from private water supply well or suction line: \_\_\_\_\_  
Comments (on condition of joints, venting, evidence of leakage, etc.): \_\_\_\_\_

**SEPTIC TANK: X (locate on site plan)**

Depth below grade: 3'  
Material of construction: X concrete metal fiberglass polyethylene  
other(explain) \_\_\_\_\_  
If tank is metal list age: \_\_\_\_\_ Is age confirmed by a Certificate of Compliance (yes or no): \_\_\_\_\_ (attach a copy of certificate)  
Dimensions: 8X5X5  
Sludge depth: 3"  
Distance from top of sludge to bottom of outlet tee or baffle: 27"  
Scum thickness: 1"  
Distance from top of scum to top of outlet tee or baffle: 8"  
Distance from bottom of scum to bottom of outlet tee or baffle: 18"  
How were dimensions determined: MEASURED  
Comments (on pumping recommendations, inlet and outlet tee or baffle condition, structural integrity, liquid levels as related to outlet invert, evidence of leakage, etc.): RISERS WILL BE INSTALLED TO APPX -6" OF GRADE INLET AND OUTLET TEES OK.....STRUCTURAL INTEGRITY OK....LIQUID IS LEVEL WITH OUTLET INVERT....NO SIGNS OF BACK-UP OR LOADING

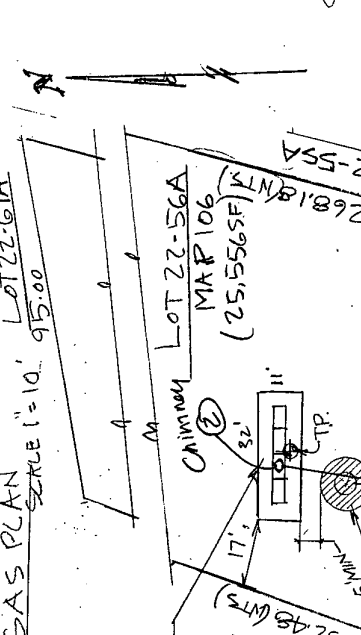
**GREASE TRAP: \_\_\_\_\_ (locate on site plan)**

Depth below grade: \_\_\_\_\_  
Material of construction: concrete metal fiberglass polyethylene other  
(explain): \_\_\_\_\_  
Dimensions: \_\_\_\_\_  
Scum thickness: \_\_\_\_\_  
Distance from top of scum to top of outlet tee or baffle: \_\_\_\_\_  
Distance from bottom of scum to bottom of outlet tee or baffle: \_\_\_\_\_  
Date of last pumping: \_\_\_\_\_  
Comments (on pumping recommendations, inlet and outlet tee or baffle condition, structural integrity, liquid levels as related to outlet invert, evidence of leakage, etc.): \_\_\_\_\_



"AS BUILT" TIES

|          |      |
|----------|------|
| (1)      | (2)  |
| (A) 17.2 | 49.8 |
| (B) 31.0 | 55.8 |



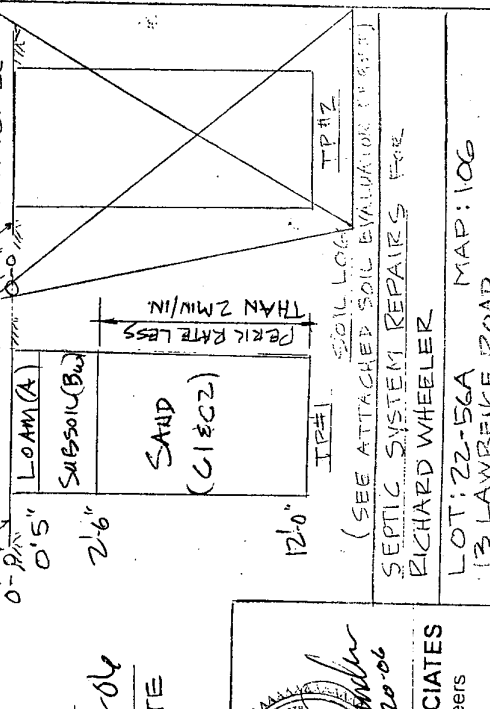
SEPTIC SYSTEM PROFILE SCALE 1"=10'

We hereby certify that all work has been completed in accordance with the terms of the permit and approved design plans. The work conforms with Massachusetts Title 5 and Plymouth B.O.H. Regulations.

*Karl R. Anderson*  
Karl R. Anderson, P.E.  
Anderson Associates  
P.O. Box 766  
Manorriet, MA 02345

Denotes "As Built" Distance or Elevation

SYSTEM INSTALLER:  
BOLDUS EXCAVATION  
DATE: 5-3-06  
JAY BOLDUS



"AS BUILT" & CERTIFICATION PLAN & PROFILE 5-3-06

(SEE ATTACHED SOIL EVALUATION REPORT)  
SEPTIC SYSTEM REPAIRS FOR  
RICHARD WHEELER  
LOT: 22-56A MAP: 106  
13 LAWRECE ROAD

DATE: 3-20-06  
DRAWN: KIRA  
REVIEW: "As Built" 5-3-06

CIVIL ENGINEER  
KARL R. ANDERSON  
No. 25320  
MASSACHUSETTS REGISTERED PROFESSIONAL ENGINEER  
EXPIRES 12-31-06

ANDERSON ASSOCIATES  
Consulting Engineers  
P.O. Box 766  
Manorriet, MA 02345  
(508) 224-2267

LAWRECE ROAD  
PLAN  
SCALE 1"=30'

Card 1 of 1

Location 13 LAWRENCE RD Parcel ID 106-000-022-056A

Current Property Mailing Address

|                                                                   |                                                      |
|-------------------------------------------------------------------|------------------------------------------------------|
| Owner WHEELER RICHARD<br>WHEELER JO ANN<br>Address 13 LAWRENCE RD | City PLYMOUTH<br>State MA<br>Zip 02360<br>Zoning R25 |
|-------------------------------------------------------------------|------------------------------------------------------|

Current Property Sales Information

|                                           |                                              |
|-------------------------------------------|----------------------------------------------|
| Sale Date 7/31/1997<br>Sale Price 129,000 | Legal Reference 15366/039<br>Grantor(Seller) |
|-------------------------------------------|----------------------------------------------|

Two Year Prior Assessment History

|                                                             |                                                             |
|-------------------------------------------------------------|-------------------------------------------------------------|
| Fiscal Year 2004<br>Property Use 101<br>Total Value 274,600 | Fiscal Year 2005<br>Property Use 101<br>Total Value 303,800 |
|-------------------------------------------------------------|-------------------------------------------------------------|

Current Property Assessment

|                                           |                                                                     |
|-------------------------------------------|---------------------------------------------------------------------|
| Fiscal Year 2006<br>Land Area 0.579 acres | Building Value 107,400<br>Land Value 224,100<br>Total Value 331,500 |
|-------------------------------------------|---------------------------------------------------------------------|

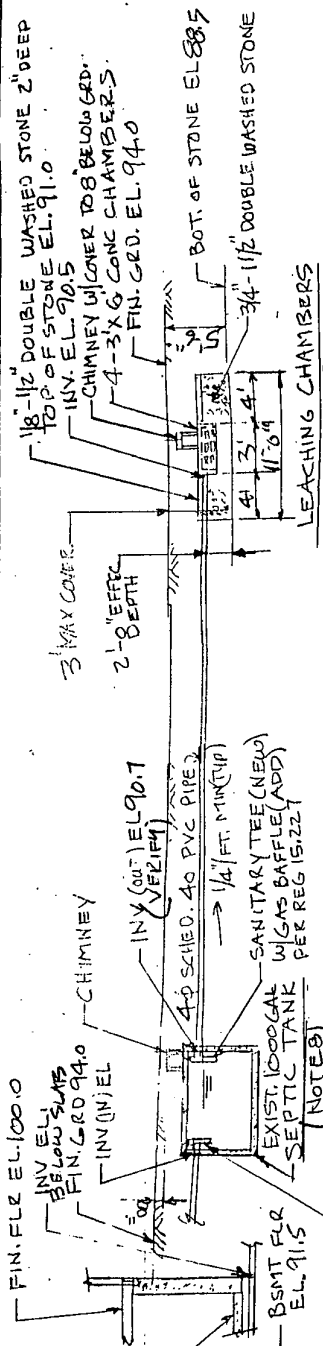
Narrative Description

This property contains 0.579 acres of land mainly classified as ONE FAM with a(n) Raised Ranch style building, built about 1984 , having Frame/Shingl exterior and Asphalt roof cover, with 1 unit(s), 6 total room(s), 3 total bedroom(s), 1 total bath(s), 0 total half bath(s), 0 total 3/4 bath(s).

Legal Description

Property Images

|  |                                                                             |
|--|-----------------------------------------------------------------------------|
|  | <p style="text-align: center; font-size: 2em;">No Picture<br/>Available</p> |
|--|-----------------------------------------------------------------------------|



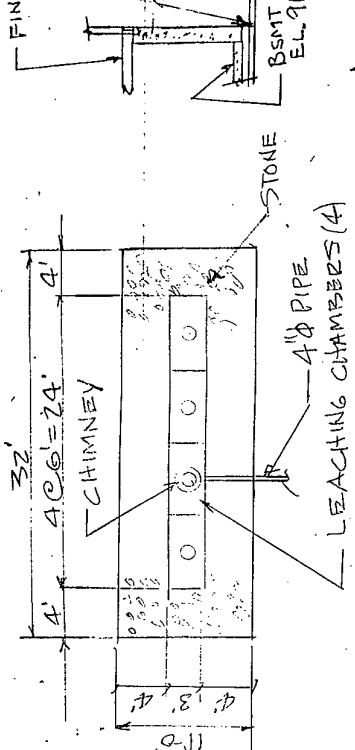
SEPTIC SYSTEM PROFILE SCALE 1"=10'

NOTES: CONT.  
 111-LOT IS FLAT @ EL. 94.0 ± 1'

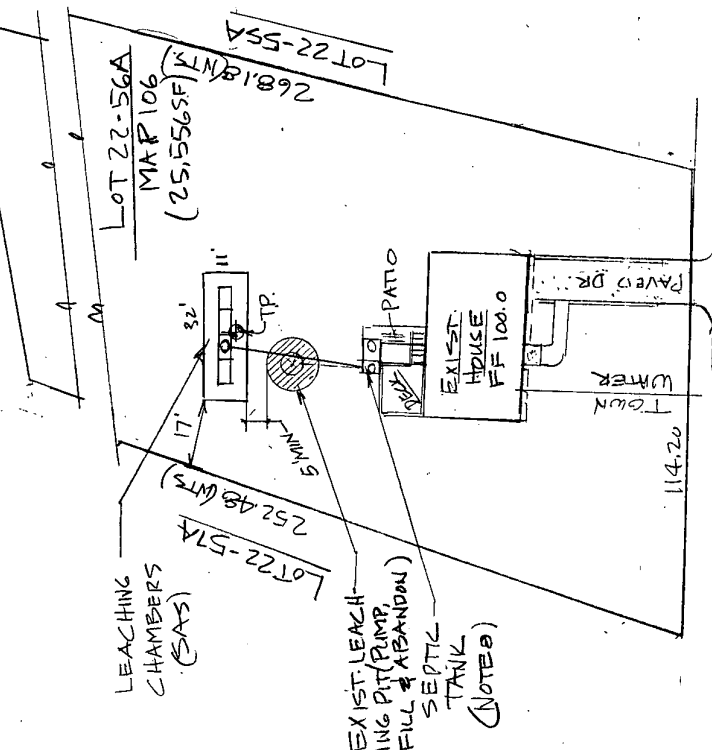
**DESIGN DATA**  
 PERK RATE: LESS THAN 2 MIN/INCH DROP  
 3 BE OR 800 M DWELLING FLOW = 370 GAL/DAY  
 USE 100 G GAL SEPTIC TANK EXIST.  
 LEACHING AREA 11'0" X 32'0" X 2' DEEP  
 BOT. AREA = 352 SF x .74 GAL/SF = 260.5 GAL  
 SIDE AREA = 172 SF x .74 GAL/SF = 127.3 GAL  
 TOTAL CAPACITY = 387.8 GAL  
 USE 4' X 3' X 6' CONC. CHAMBERS PER SAS PLAN  
 EFFECTIVE SIZE 11'0" X 32'0" X 2' DEEP

- NOTES**
- 1 PERK TESTS TAKEN 3-16-06
  - 2 WATER ENCOUNTERED NONE
  - 3 PERK TESTS TAKEN 3-28" BELOW GRADE
  - 4 PIPE AND FITTINGS SHALL BE SCHED 40 PVC OR EQUAL (PER TITLE 5 REG. 15.251 (5))
  - 5 MIN. PIPE SLOPE TO BE 1/4" PER FOOT.
  - 6 ---50--- DENOTES EXISTING CONTR. B.
  - 7 ---50--- DENOTES PROPOSED CONTR. B.
  - 8 WE HEREBY REQUEST A VARIANCE TO RETAIN & REUSE, THE EXISTING 100 G GAL. SEPTIC TANK.
  - 9 SEE ATTACHED TITLE 5 INSPECTION REPORT DATED 2-21-06 TANK TO BE PUMPED & INSPECTED DURING SAS INSTALLATION
  - 10 CHAMBERS BY MBO PRECAST OR APMD EQUAL
  - 11 NOTIFY ENGR. OF ANY SITE CHANGED CONDITIONS

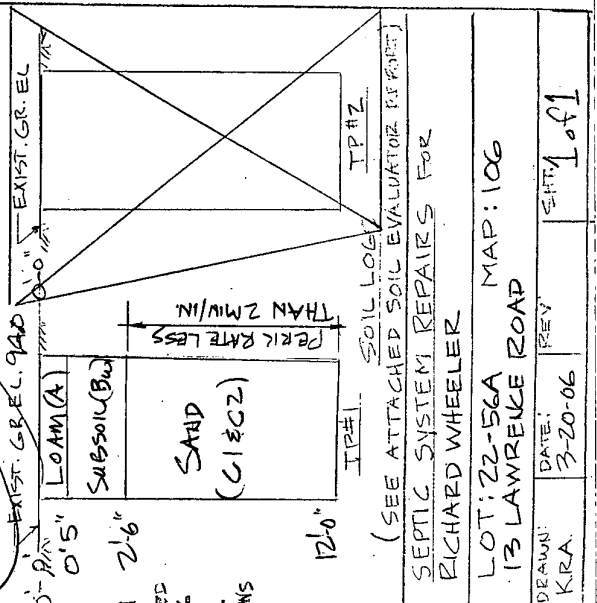
BY V. STEVE YOUNG



SAS PLAN SCALE 1"=10' LOT 22-67A



LAWRENCE ROAD PLAN SCALE 1"=30'



SEPTIC SYSTEM REPAIRS FOR RICHARD WHEELER

LOT: 22-56A MAP: 106  
 13 LAWRENCE ROAD

DATE: 3-20-06  
 DRAWN: KIRA  
 REV: 1 of 1

**ANDERSON ASSOCIATES**  
 Consulting Engineers  
 P.O. Box 766  
 Manomet, MA 02345  
 (508) 224-2267

CIVIL ENGINEER  
 KARL ANDERSON  
 No. 27802  
 State of Massachusetts  
 3-20-06

Town of Plymouth  
BOARD OF HEALTH  
508-747-1620 ext.118  
Fax 508-830-4062

Permit# \_\_\_\_\_

Address: 13 Lawrence Rd

Installer: Jay Date/Time: 5/3/2006

1) As Built available? YKS

2) Septic Tank:

- a) Distance from house is at least 10' OK
- b) 1500 gallon Septic Tank \_\_\_\_\_
- c) Authorized to reuse 1000 gallon Tank per BOH Variance OK
- d) Outlet Tee 2-3" lower than inlet OK
- e) Zabel filter (or equivalent) on outlet tee is installed \_\_\_\_\_

3) D Box:

- a) Flow is even through all outlets \_\_\_\_\_
- b) 8% slope or more into box requires tee X

4) SAS (soil absorption system):

- a) Total square foot of SAS conforms to plan OK
- b) Proper distance between trenches \_\_\_\_\_
- c) Length of trenches conforms to plan \_\_\_\_\_
- d) End caps on \_\_\_\_\_
- e) Schedule 40 PVC pipe OK
- f) Depth of SAS (in layer of perc) OK
- g) SAS is 3 feet less or less from ground elevation OK
- h) Depth beneath pipe (24" minimum) OK

5) Pumps:

- a) Test alarms X
- b) Circuit Panel: separate circuits for pump & alarm & labeled \_\_\_\_\_
- c) Pump has been tested \_\_\_\_\_
- d) If pressure dosing, check height of water at end of lines \_\_\_\_\_

6) Other:

- a) As noted on plan: such as 40 mil. Barrier, retaining wall, vent, etc N/A

7) COC:

- a) Signed BACK AT OFFICE and ONLY when you are satisfied system is right.

Inspector: [Signature] Date: 5/3/2006

**OFFICE USE ONLY:**

Received \_\_\_\_\_ Submitted for Payment: \_\_\_\_\_