

268 Iduna Lane



No. 98-6

#268

FEE 160<sup>00</sup>  
ps  
24# 9472

THE COMMONWEALTH OF MASSACHUSETTS

AMHERST, MASSACHUSETTS

### Application for Disposal System Construction Permit

Application is hereby made for a Permit to Construct ( ) or Repair (X) an On-site Sewage Disposal System at:

Location Address or Lot No. <u>268 Iduna Lane</u>	Owner's Name, Address and Tel. No. <u>Ronald + Else Hambleton 253-5344</u> <u>268 Iduna Lane</u> <u>Amherst, MA 01002</u>
Installer's Name, Address, and Tel. No.	Designer's Name, Address and Tel. No. <u>Lewis + Cook Surveyors, Inc. 323-7124</u> <u>Robert F. Sheehan, PE</u> <u>Belchertown, MA 01007</u>

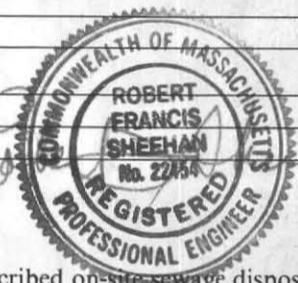
Type of Building:  
 Dwelling No. of Bedrooms 3 Garbage Grinder (NO) Existing Garbage Grinder to be removed.  
 Other Type of Building \_\_\_\_\_ No. per Persons \_\_\_\_\_ Showers ( ) Cafeteria ( )  
 Other Fixtures \_\_\_\_\_

Design Flow 412.5 gallons per day. Calculated daily flow 444 gallons.

Plan Date March 20, 1998 Number of sheets \_\_\_\_\_ Revision Date \_\_\_\_\_  
Title \_\_\_\_\_

Description of Soil See Attached Sheets

Nature of Repairs or Alterations (Answer when applicable):  
Existing Garbage grinder to be removed.



Date last inspected: \_\_\_\_\_

Agreement: Insp.  
 The undersigned agrees to ensure the construction and maintenance of the aforescribed on-site sewage disposal system in accordance with the provisions of Title 5 of the Environmental Code and not to place the system in operation until a Certificate of Compliance has been issued by this Board of Health.

Signed RD Lewis as agent Date 3/24/98

Application Approved by \_\_\_\_\_ Date \_\_\_\_\_

Application Disapproved for the following reasons \_\_\_\_\_

Permit No. 98-6 Date Issued \_\_\_\_\_

RM Wilgo

THE COMMONWEALTH OF MASSACHUSETTS

AMHERST, MASSACHUSETTS

### Certificate of Compliance

THIS IS TO CERTIFY, that the On-site Sewage Disposal System installed ( ) or repaired/replaced (X) on \_\_\_\_\_  
 by \_\_\_\_\_ for \_\_\_\_\_  
 at 268 Iduna Lane has been constructed in accordance with the provisions of Title 5 and the for Disposal System Construction Permit No. \_\_\_\_\_ dated \_\_\_\_\_ . Use of this system is conditioned on compliance with the provisions set forth below:

The issuance of this certificate shall not be construed as a guarantee that the system will function as designed. This Certificate expires on  
 DATE 9/21/98 Inspector [Signature]

No. 98-6

THE COMMONWEALTH OF MASSACHUSETTS

AMHERST, MASSACHUSETTS

### Disposal System Construction Permit

FEE 160<sup>00</sup>  
ps  
3/25/98

Permission is hereby granted to RONALD + ELSE HAMBLETON  
to construct ( ) or repair (X) an On-site Sewage System located at 268 Iduna Lane

and as described in the above Application for Disposal System Construction Permit. The applicant recognizes his/her duty to comply with Title 5 and the following local provisions or special conditions.

All construction must be completed within three years of the date below.  
 DATE March 7, 1998 VARIANCE Approved by VAL STEINBERG David Buchanan  
Amy Rothenberg Marisela



AMERICAN INSTITUTE OF MATHEMATICS

Department of Mathematics  
University of California, Berkeley  
Berkeley, California 94720-1550  
Tel: (415) 849-5500  
Fax: (415) 849-5501  
E-mail: [amimath@math.berkeley.edu](mailto:amimath@math.berkeley.edu)

For more information, visit our website at [www.amimath.org](http://www.amimath.org)  
or contact us directly at the address above.  
We are currently seeking applications for  
graduate students and postdoctoral fellows.  
Please send your resume and references to:  
Director of Graduate Studies  
American Institute of Mathematics  
1775 Chabot Avenue  
Berkeley, CA 94709

For a complete list of our programs and  
services, please refer to our brochure  
available at [www.amimath.org](http://www.amimath.org)  
or by request. We are a non-profit  
organization and our primary goal is to  
advance the field of mathematics through  
education and research. We are proud to  
be a part of the University of California  
system and to have the opportunity to  
work with some of the world's leading  
mathematicians.

AMERICAN INSTITUTE OF MATHEMATICS  
1775 CHABOT AVENUE  
BERKELEY, CALIFORNIA 94709  
TEL: (415) 849-5500  
FAX: (415) 849-5501  
WWW: [WWW.AMIMATH.ORG](http://WWW.AMIMATH.ORG)

Commonwealth of Massachusetts  
AMHERST, Massachusetts

System Pumping Record

Ronald Else Hambleton 253-5344

Feb 2, 1998  
To ltrd TO  
MS Hambleton  
SL 15 going  
TO call  
Eng + Sewer  
Karl's told  
had the  
system  
was failed

System Owner <i>E. Hambleton</i>	System Location <i>268 Adurra Ln</i>
-------------------------------------	---

Date of Pumping: *1-22-98* Quantity Pumped: *1500* gallons

Type: Emergency  Routine

Cesspool: No  Yes  Septic Tank: No  Yes

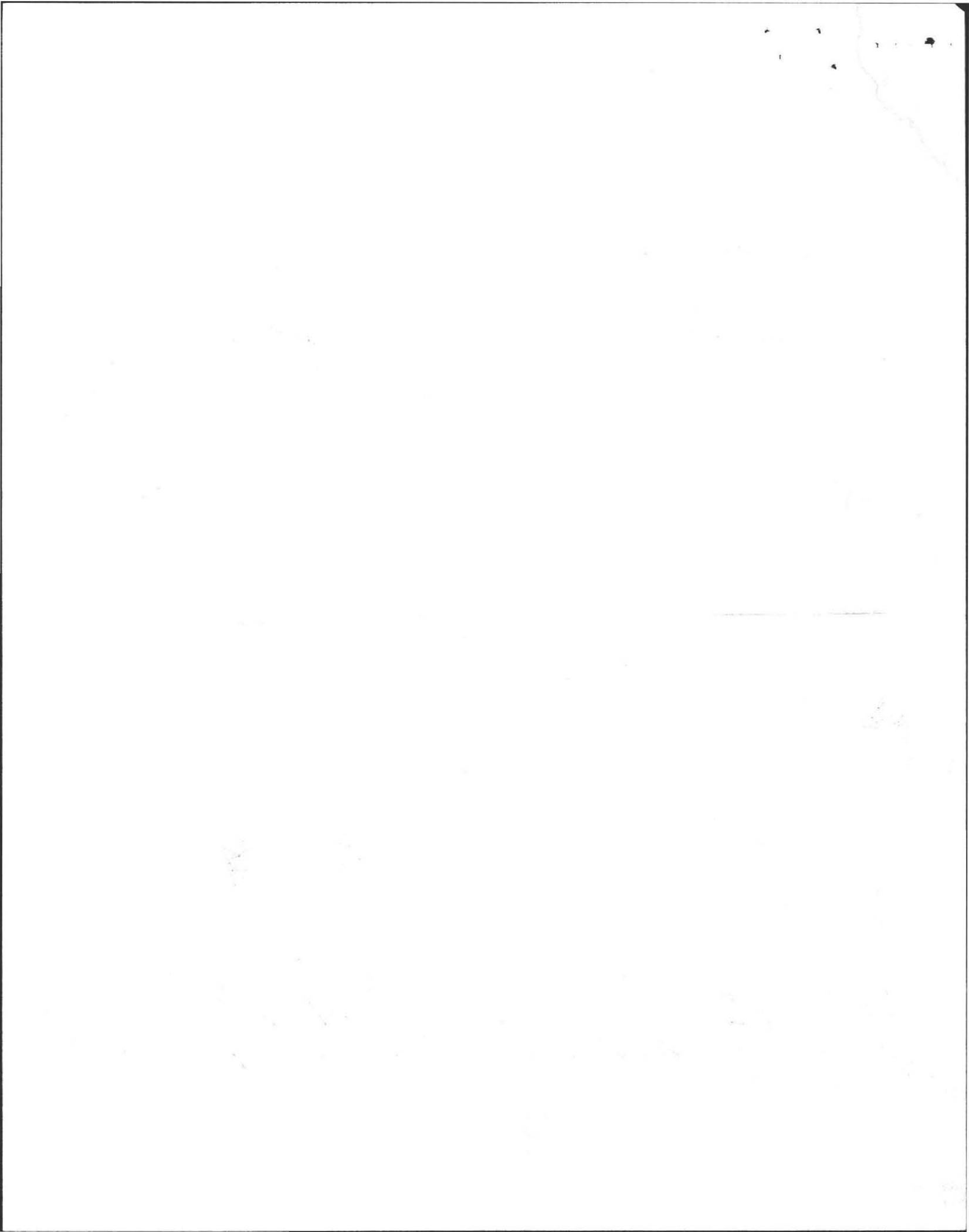
System Pumped by (Company): Karl's Site Work Inc Permit #: 98-01 (OF)

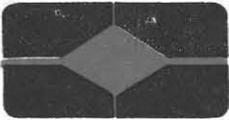
Contents transferred to:

*amb wntf*

Date 1-22-98 Pumper Signature *WBT*

Observations/Comments: *water was up to high in septic tank + some water came back from the beachfield or N.W.*





# LEWIS & COOK SURVEYORS, INC.

P. O. BOX 1196  
BELCHERTOWN, MASSACHUSETTS 01007

RICHARD A. LEWIS, P.L.S.  
PRESIDENT  
413-323-7124

RICHARD L. COOK  
TREASURER  
413-283-7238

March 23, 1998

David Zarozinski  
Amherst Board of Health  
Town Hall  
Amherst, MA 01002

Re: Septic system repair  
268 Iduna Lane

Dear Mr. Zarozinski,

I wish on behalf of Mr. & Mrs. Hambleton to request the following variance from Town regulations.

The separation distance, from the water table, of 6 feet to be 4 feet.

Also the following variance from Title 5 regulation.

The separation distance, from the water table, of 5 feet to be 4 feet.

Thank you for your time and favorable consideration.

Respectfully submitted,

  
Richard A. Lewis

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4) Type of existing system

privy  cesspool(s)  conventional system  
 Other (describe) \_\_\_\_\_

Type of soil absorption system (trenches, chambers, pits, etc.)

1500 Gal. Seepage pit

5) Design flow based on 310 CMR 15.203

a) Design flow of existing system 840 gpd

Approved?  yes approval date 12/14/84  
 no why? \_\_\_\_\_

b) Design flow of proposed upgraded system 444 gpd

c) Design flow of facility 444 gpd

6) Proposed upgrade of existing system is

a)  Voluntary

Required by order, letter, etc. (attach copy)

Required following inspection required by 310 CMR 15.301 (provide date inspection form was submitted to the approving authority) \_\_\_\_\_ (date)

b) Describe the proposed upgrade to the system

To replace the failed seepage pit system with  
trenches, use 4' separation instead of 5' to reduce  
amount of fill.

c) Which of the following are applicable to the proposed upgrade?

Reduction of setback(s) (list setbacks to be reduced with proposed setback distances)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Percolation rate of 30-60 minutes per inch (state actual perc rate)

\_\_\_\_\_



*Commonwealth of Massachusetts*  
*Amherst*, Massachusetts

**Application for Local Upgrade Approval**  
**Title 5, 310 CMR 15.000**  
**DEP Approved form required by 310 CMR 15.403(1)**

To be submitted to Local Approving Authority/Board of Health: For the upgrade of a failed or nonconforming system with a design flow of <10,000 gpd, where full compliance, as defined in 310 CMR 15.404(1), is not feasible.

To be submitted to DEP: For the upgrade of a failed or nonconforming system with a design flow of 10,000 up to 15,000 gpd and/or for upgrade of a state or federal facility, where full compliance, as defined in 310 CMR 15.404(1), is not feasible.

NOTE: Local upgrade approval shall not be granted for an upgrade proposal that includes the addition of new design flow to a cesspool or privy or the addition of new design flow above the existing approved capacity of a system constructed in accordance with either the 1978 Code or 310 CMR 15.000.

1) Facility/system owner

Name Ronald & Else Hambleton  
Address 268 Iduna Lane, Amherst, MA  
Phone # 253-5344  
Address of facility 268 Iduna Lane  
Amherst, MA

2) Applicant (if different from above)

Name \_\_\_\_\_  
Address \_\_\_\_\_  
Phone # \_\_\_\_\_

3) Type of facility

residential \_\_\_ commercial \_\_\_ school  
\_\_\_ institutional  
(Specify) \_\_\_\_\_



8) Notice to Abutters

No application for upgrade approval in which the setback from property lines or a private water supply well is reduced shall be complete until the applicant has notified all abutters whose property or well is affected by certified mail at least ten days before the Board of Health meeting at which the upgrade approval will be on the agenda. Such notice shall include the date, time and place where the upgrade approval will be discussed.

If the Department is the approving authority, then such notice to abutters must be completed prior to the date of submission of the application to the Department.

The notices to abutters shall include a copy of the completed application form and shall reference the standards set forth in 310 CMR 15.402 through 15.405.

List of affected Abutters:

Abutter Name _____ Address _____	Date notified _____
Abutter Name _____ Address _____	Date notified _____
Abutter Name _____ Address _____	Date notified _____
Abutter Name _____ Address _____	Date notified _____

9) Explain why full compliance, as defined in 310 CMR 15.404(1), is not feasible (each section must be completed):

- a) an upgraded system in full compliance with 310 CMR 15.000 is not feasible:  
*Hardship, to save on the amount of fill.*
- b) an alternative system approved pursuant to 310 CMR 15.283-15.288 is not feasible:  
*N/A*



\_\_\_ Up to 25% reduction in subsurface disposal area design requirements (state required & proposed size) \_\_\_\_\_

\_\_\_ Relocation of water supply well (identify well, describe relocation)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Reduction of required separation between bottom of SAS & high groundwater (specify proposed reduction & perc rate) From 5' to 4' 1.67 min/in

\_\_\_ Other requirements of 310 CMR 15.000 that cannot be met (specify sections of the Code)  
\_\_\_\_\_  
\_\_\_\_\_

System upgrades that cannot be performed in accordance with 310 CMR 15.404 & 15.405, or in full compliance with the requirements of 310 CMR 15.000, require a variance pursuant to 310 CMR 15.410-15.417.

- 7) If the proposed upgrade involves a reduction in the required separation between the bottom of the soil absorption system and the high groundwater elevation, an Approved Soil Evaluator must determine the high ground water elevation pursuant to 310 CMR 15.405(1)(i)(1). The evaluator must be a member or agent of the local approving authority:

Distance from soil absorption system to high groundwater  
4 feet

As determined by:

Evaluator's name \_\_\_\_\_  
Evaluator's signature \_\_\_\_\_  
Date of evaluation \_\_\_\_\_



- c) a shared system is not feasible:  
*No one willing*
- d) connection to a sewer is not feasible:  
*Not available*
- 10) An application for a disposal system construction permit, including all required attachments (e.g. plans & specifications, site evaluation forms), must accompany this application. Is the DSCP application attached?  yes  no

11) Certification

"I, the facility owner, certify under penalty of law that this document and all attachments, to the best of my knowledge and belief, are true, accurate, and complete. I am aware that there may be significant consequences for submitting false information, including, but not limited to, penalties or fine and/or imprisonment for knowing violations."

*Rd Lewis as agent* *3/23/98*  
Facility owner's signature Date

*Ronald + Else Hambleton*  
Print Name

*Richard A. Lewis* *March 20, 1998*  
Name of preparer Date

*323-7124* *PO Box 1196 Belchertown, MA*  
Telephone # & address of preparer

NOTE: Title 5, 310 CMR 15.403(4), requires the system owner or operator to submit to the Department a copy of the local upgrade approval upon issuance by the Board of Health and prior to commencement of construction.





Town of



AMHERST

Massachusetts

TOWN HALL  
4 BOLTWOOD AVENUE  
AMHERST, MA. 01002-2351

INSPECTION SERVICES DEPARTMENT  
Fax (413) 256-4041  
Phone (413) 256-4030

March 25, 1998

TO: Amherst Board of Health

From: David Zarozinski, Sanitarian 

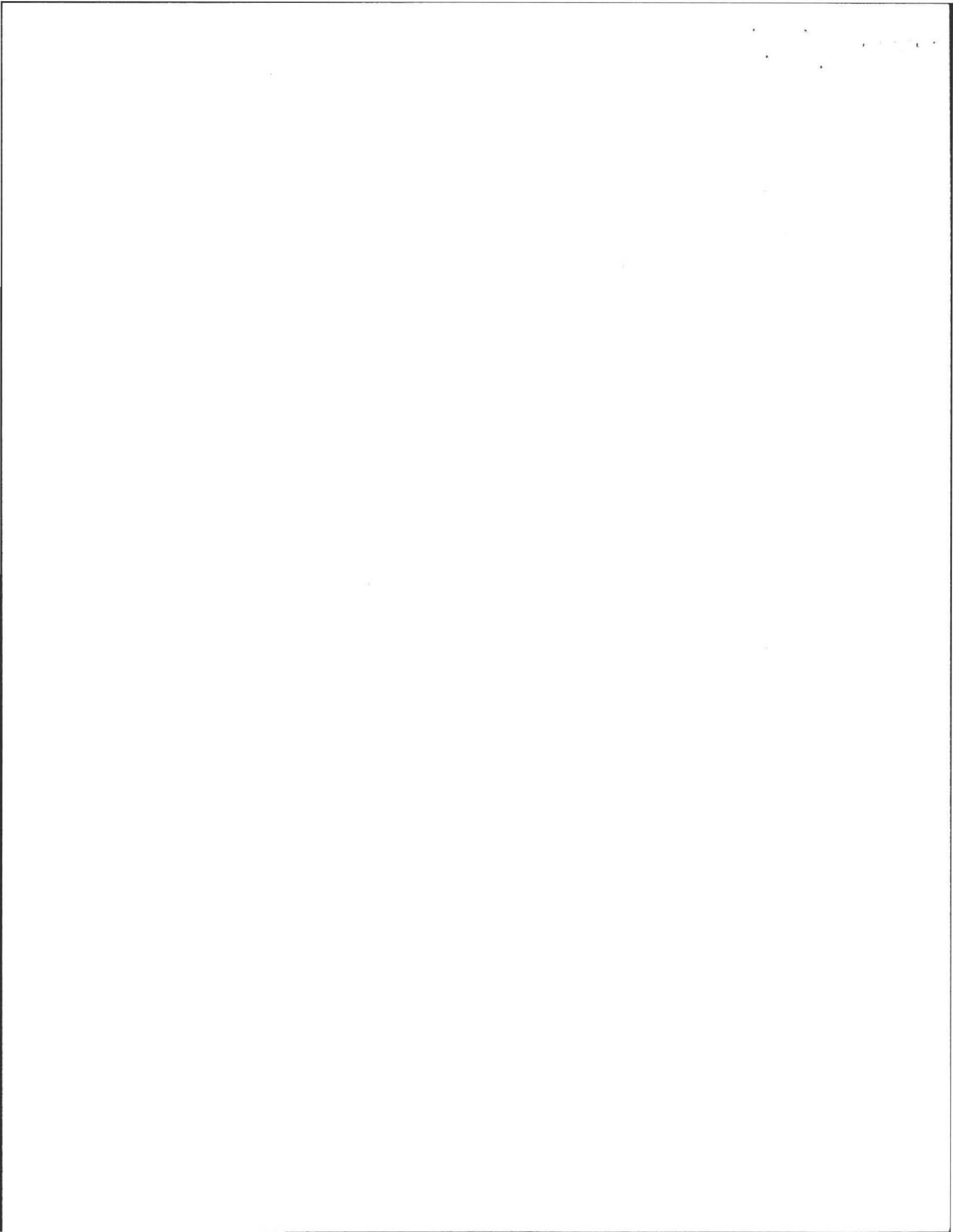
Re: Local Variance Request to Title V - 268 Iduna Lane

Mr. & Mrs. Ronald Hambleton, owners of 268 Iduna Lane, Amherst, MA. would like to request a variance from Title V Regulation 310 CMR 15.212 (b). Their request is to allow a vertical separation distance of three feet (3') between the bottom of the proposed soil absorption system and the high ground water elevation. (copy enclosed).

I would recommend approval of this variance for the following reasons:

1. System is designed to allow for both the best feasible upgrade within the borders of the lot, and have the least effect on public health, safety and the environment.
2. Town water is available.
3. Garbage grinder will be removed.

Enc 268 Iduna Lane



Town of



# AMHERST Massachusetts

TOWN HALL  
4 BOLTWOOD AVENUE  
AMHERST, MA. 01002-2351

INSPECTION SERVICES DEPARTMENT  
Fax (413) 256-4041  
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March 25, 1998

TO: Amherst Board of Health

From: David Zarozinski, Sanitarian 

Re: Local Variance Request to Title V - 268 Iduna Lane

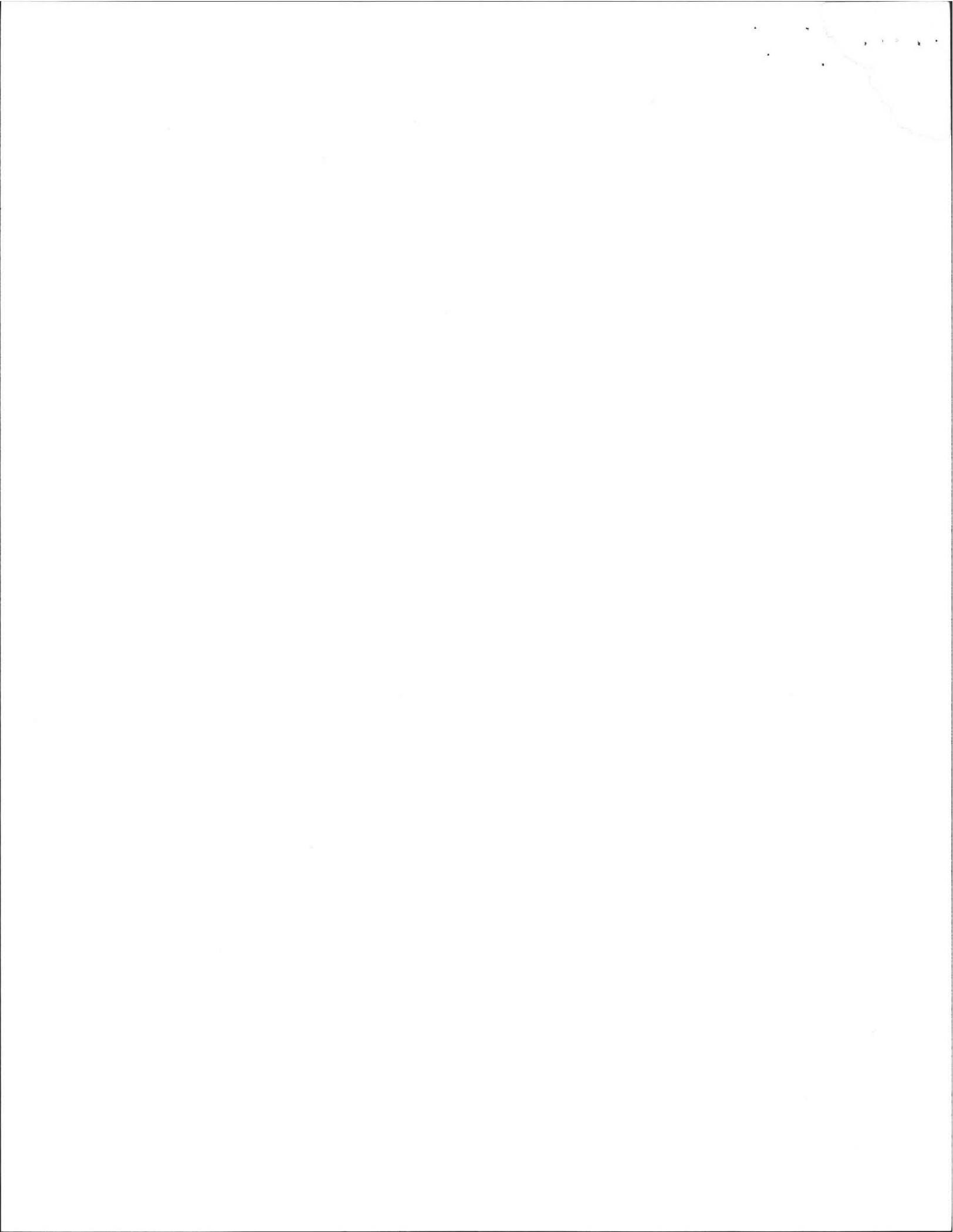
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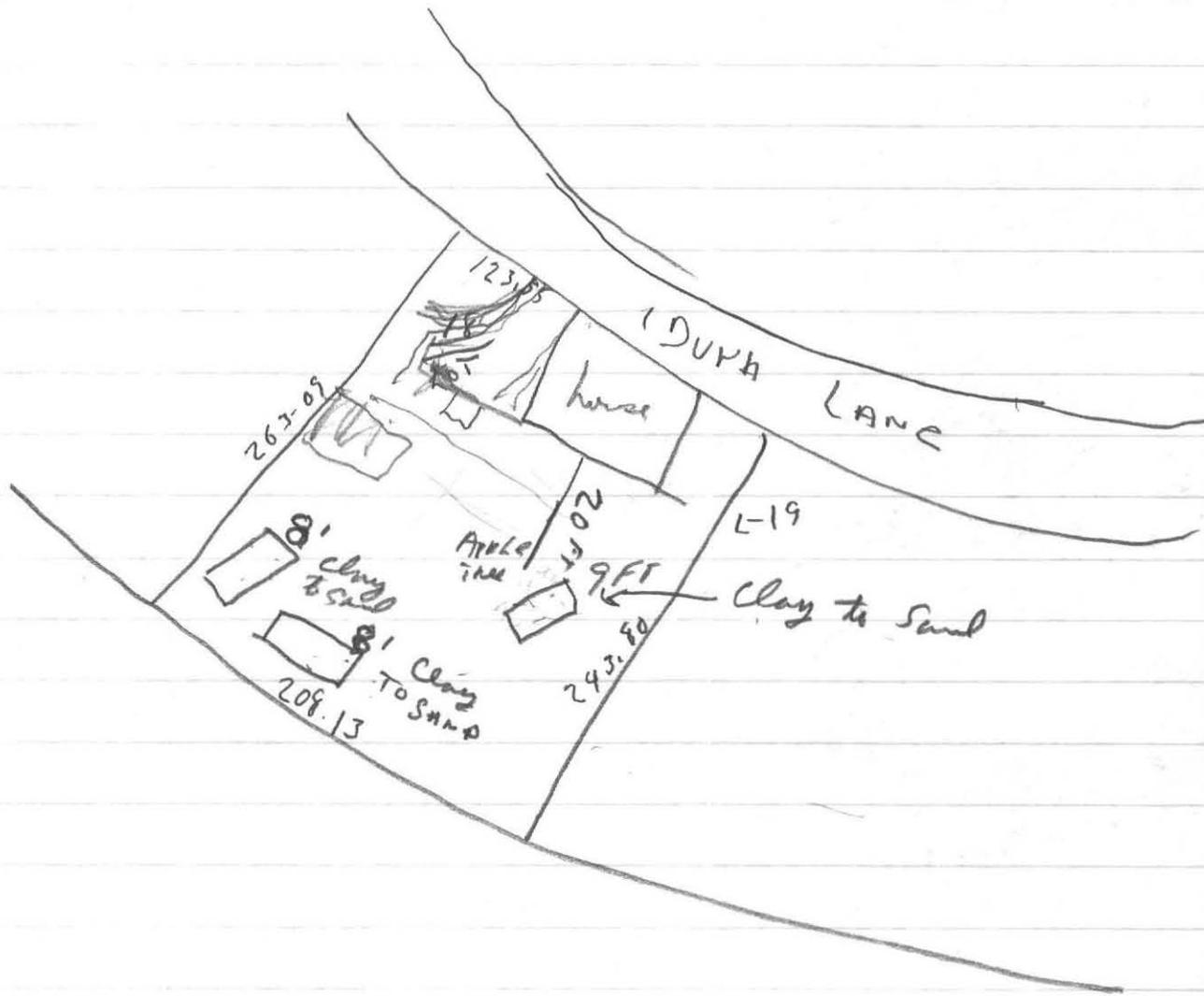
I would recommend approval of this variance for the following reasons:

1. System is designed to allow for both the best feasible upgrade within the borders of the lot, and have the least effect on public health, safety and the environment.
2. Town water is available.
3. Garbage grinder will be removed.

Enc 268 Iduna Lane

*EPI,  
I sent these out  
ON MARCH 25, 1998  
IF They (Board members) call  
you to OK. VARIANCE  
Please call us  
D.A.C.*



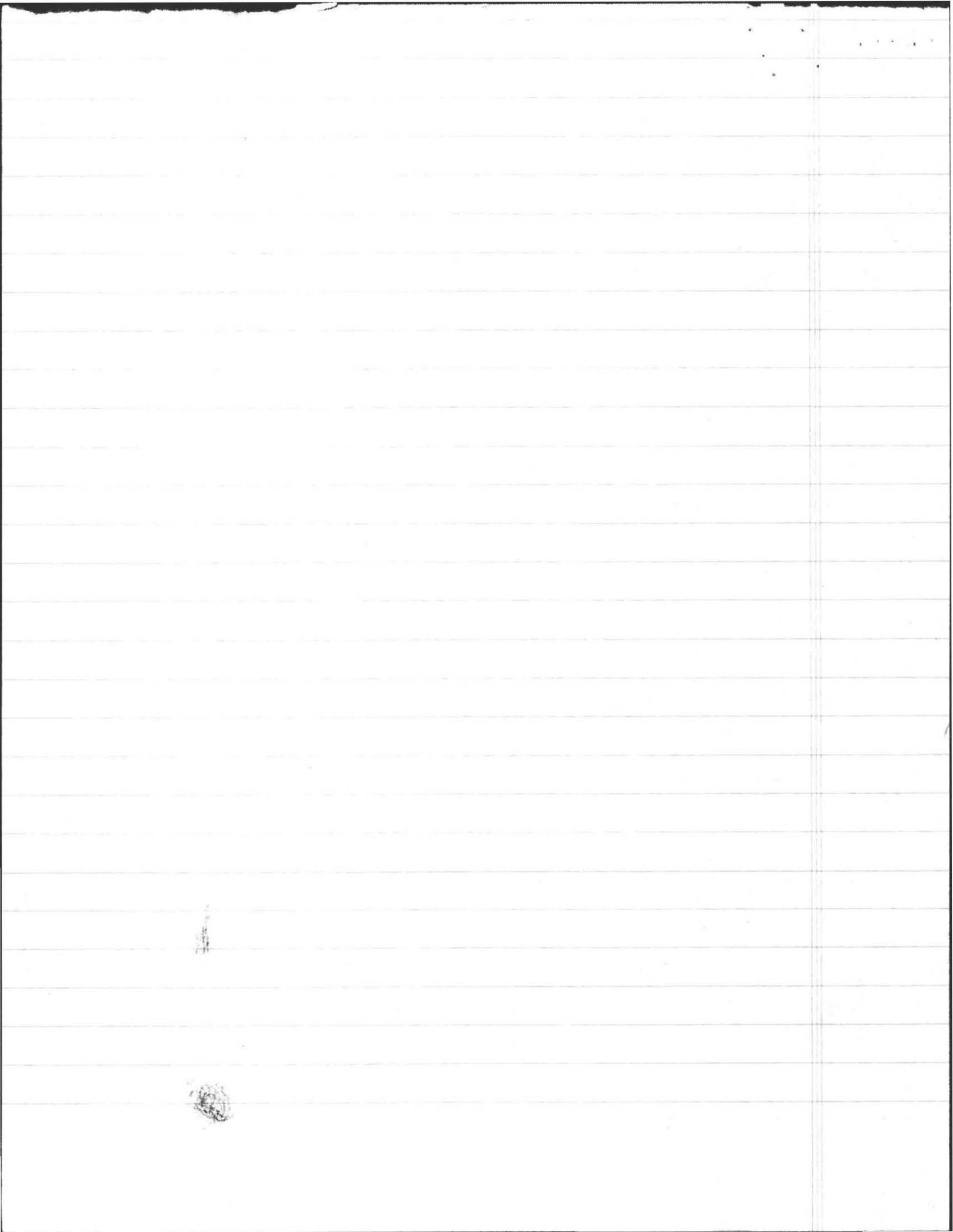


LOT 65 268 IDUWA LN

Ronald Humbleton  
 Else HAMBLETON

No/park clay





FORM 11 - SOIL EVALUATOR FORM  
Page 2 of 3

Location Address or Lot No. 268 Iduna Lane

On-site Review

Deep Hole Number 1 Date: 3/2/98 Time: 9:00AM Weather \_\_\_\_\_  
 Location (Identify on site plan) \_\_\_\_\_  
 Land Use House lot Slope (%) 10 Surface Stones none  
 Vegetation grass  
 Landform \_\_\_\_\_  
 Position on landscape (sketch on the back) \_\_\_\_\_  
 Distances from:  
 Open Water Body 7200 feet Drainage way >150 feet  
 Possible Wet Area 7150 feet Property Line 50 feet ±  
 Drinking Water Well N/A 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	A	SL	10yr 2/1		friable
8	Bw	SL	10yr 4/2		friable
18		Fine Silty Loam	10yr 4/2	40"	Start @ 40"
96	C1		10yr 4/2	10yr 5/2	many gleyed streaks
132	C2	Sand	10yr 6/4		Medium sand

\* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA  
 Parent Material (geologic) Glacial Till Depth to Bedrock: >132  
 Depth to Groundwater: Standing Water in the Hole: none Weeping from Pit Face: none  
 Estimated Seasonal High Ground Water: 40"



FORM 11 - SOIL EVALUATOR FORM  
Page 2 of 3

Location Address or Lot No. 268 Iduna Lane

On-site Review

Deep Hole Number 2 Date: 3/2/98 Time: 9:30AM Weather \_\_\_\_\_  
 Location (Identify on site plan) \_\_\_\_\_  
 Land Use House lot Slope (%) 10 Surface Stones none  
 Vegetation grass  
 Landform \_\_\_\_\_  
 Position on landscape (sketch on the back) \_\_\_\_\_  
 Distances from:  
 Open Water Body 7200 feet Drainage way >150 feet  
 Possible Wet Area 7150 feet Property Line 70 feet ±  
 Drinking Water Well N/A 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	A	SL	10yr 2/1		friable
8	Bw	SL	10yr 4/2		friable
18		Fine Silty Loam	10yr 4/2	40"	Many gleyed streaks
100	C1		10yr 4/2	10yr 5/2	
132	C2	Sand	10yr 6/4		Medium sand

\* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA  
 Parent Material (geologic) Glacial Till Depth to Bedrock: 7132  
 Depth to Groundwater: Standing Water in the Hole: none Weeping from Pit Face: none  
 Estimated Seasonal High Ground Water: 40"



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

Date: 3/19/98

Commonwealth of Massachusetts  
Amherst, Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: Rich Lewis

Date: 3/2/98

Witnessed By: \_\_\_\_\_

Location Address or Lot # <u>268 Iduna Lane</u> New Construction <input type="checkbox"/> Repair <input checked="" type="checkbox"/>	Owner's Name, Address, and Telephone # <u>Ronald &amp; Else Hambleton</u> <u>268 Iduna Lane</u> <u>253-5344</u>
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Office Review

Published Soil Survey Available: No  Yes

Year Published: \_\_\_\_\_ Publication Scale: \_\_\_\_\_ Soil Map Unit: \_\_\_\_\_

Drainage Class: \_\_\_\_\_ Soil Limitations: \_\_\_\_\_

Surficial Geologic Report Available: No  Yes

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

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

Landform: \_\_\_\_\_

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

Range :Above Normal  Normal  Below Normal

Other References Reviewed: \_\_\_\_\_



Iduna Lane

FORM 12 - PERCOLATION TEST

Location Address or Lot No. 268 Iduna Lane

COMMONWEALTH OF MASSACHUSETTS  
Amherst, Massachusetts

Percolation Test*		
Date: _____		Time: _____
Observation Hole #		
Depth of Perc		
Start Pre-soak		
End Pre-soak		
Time at 12"		
Time at 9"		
Time at 6"		
Time (9"-6")		
Rate Min./Inch		

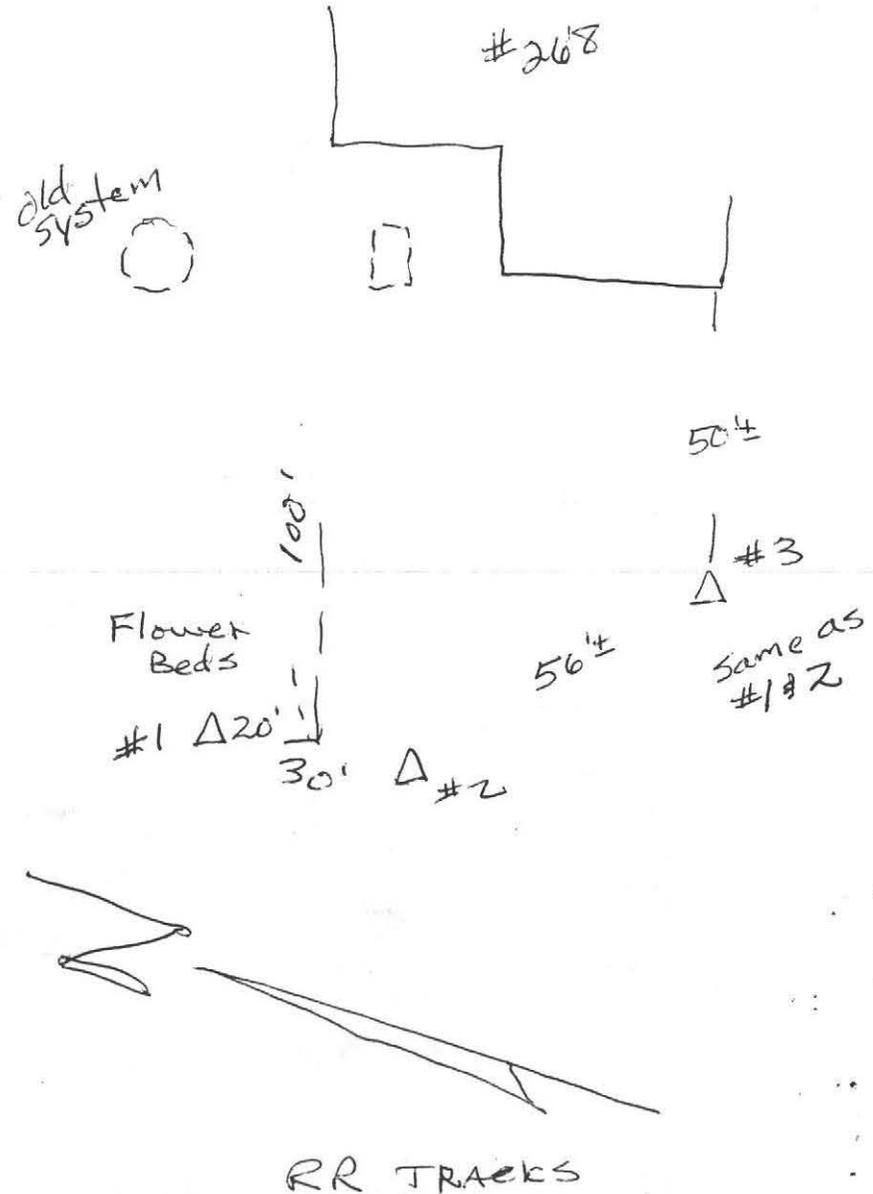
\* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed  Site Failed

Performed By: \_\_\_\_\_

Witnessed By: \_\_\_\_\_

Comments: Use old perc data - Lot 18



Location Address or Lot No. 268 Idona Lane

Determination for Seasonal High Water Table

Method Used:

- Depth observed standing in observation hole ..... inches
- Depth weeping from side of observation hole ..... inches
- Depth to soil mottles 40 inches
- Ground water adjustment ..... feet

Index 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 Nov. 1995 (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, expertise and experience described in 310 CMR 15.017.

Signature Richard A Lewis Date 3/19/98



BOARD OF HEALTH  
TOWN OF AMHERST, MASSACHUSETTS

60418 IDUNA.

Important Information Regarding Your Private Sewage Disposal System

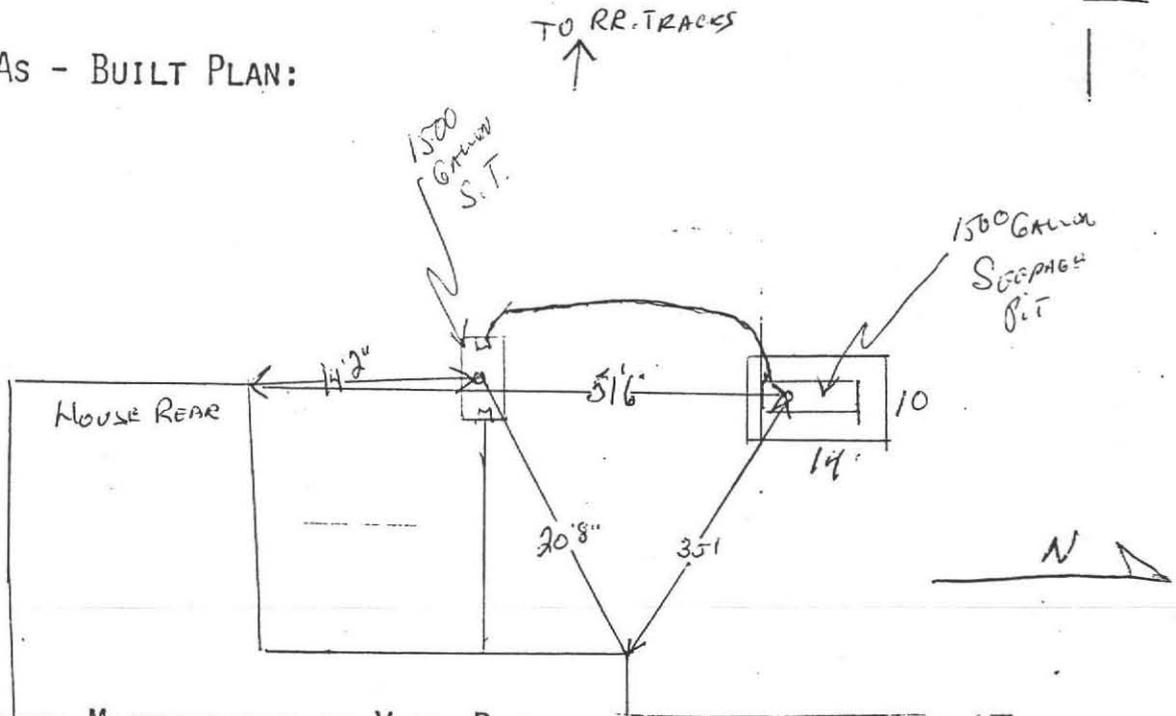
DISPLAY THIS DOCUMENT IN A PROMINENT PLACE

Owner RON HAMBLETON <sup>DONTEAGNO</sup> Address 8 FLINTLOCK LA.  
Installer ED. STONE Address MONTAGUE MA  
Date Installation Inspected and Approved ~~12-14-84~~ 12-14-84  
Description of System: Tank Capacity: 1500

Leach Field ( ) Bed ( ) Seepage Pit (X) Square Feet: 280 <sup>140 BOTTOM</sup> <sup>SIDES</sup>

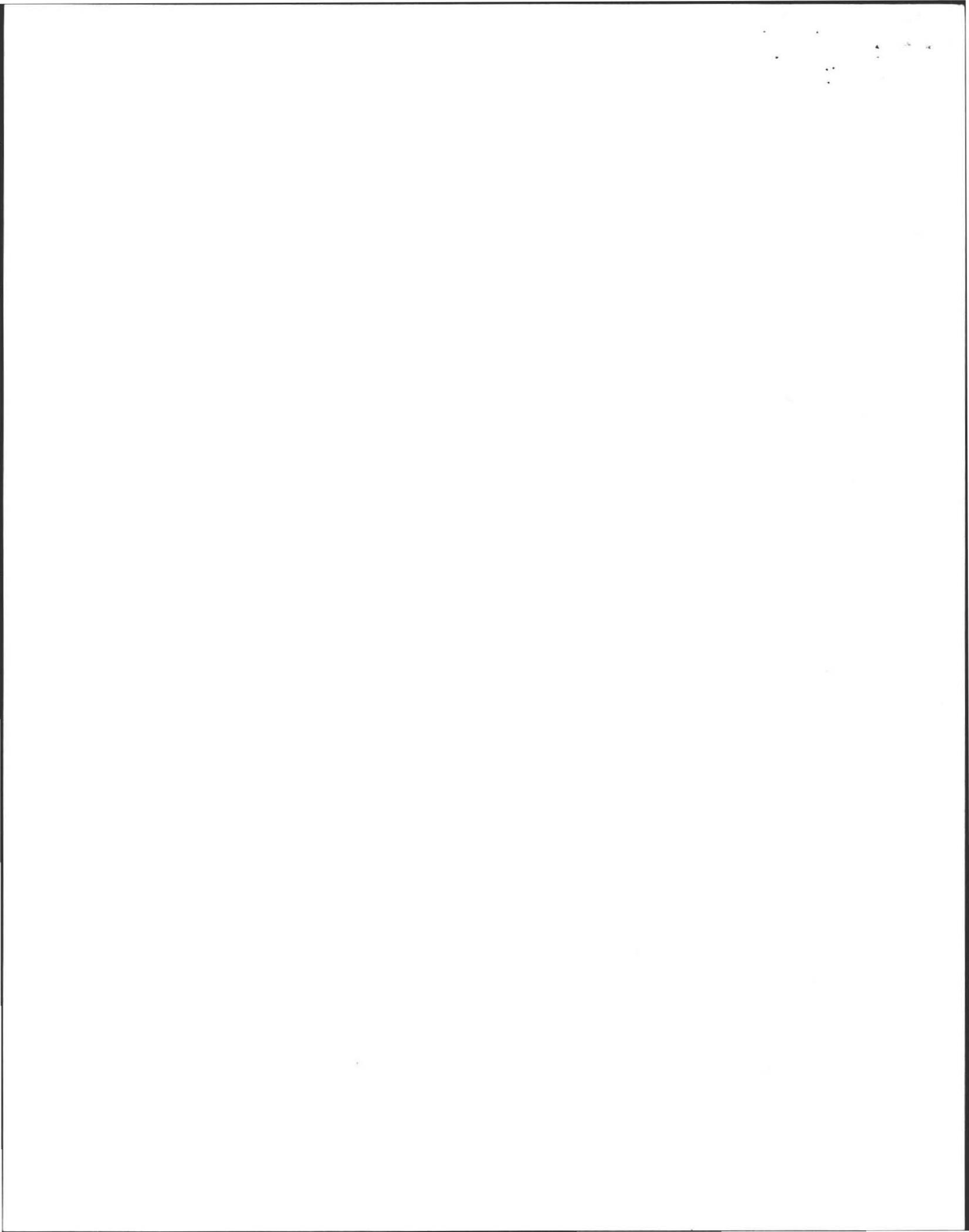
Garbage Grinder Yes (X) No ( ) No. Bedrooms: 3 No. People 6

AS - BUILT PLAN:



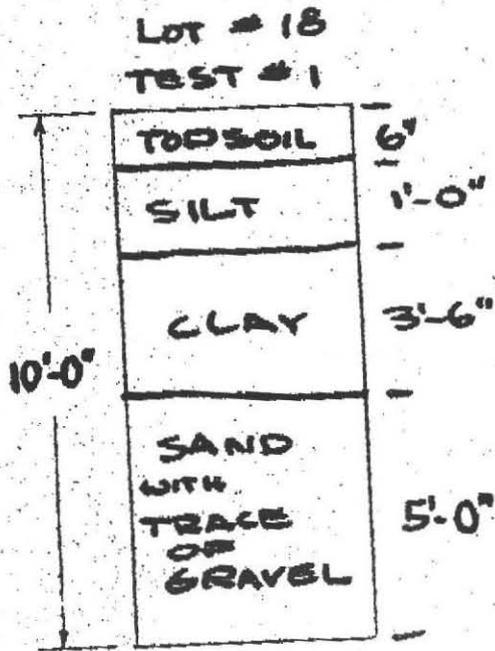
PROPER MAINTENANCE OF YOUR PRIVATE SEWAGE DISPOSAL SYSTEM

1. This system must be inspected periodically and the tank pumped out at an interval not to exceed 3 years.
2. For your protection sanitary pumpers are licensed by the Amherst Board of Health.
3. Regular pumping is crucial to avoid early failure and costly repairs of the system.
4. DO NOT dispose into the system such items as rags, string, sanitary napkins, coffee grounds as they can cause it to clog and fail.
5. Further information can be obtained by contacting your Health Department at 253-7077.

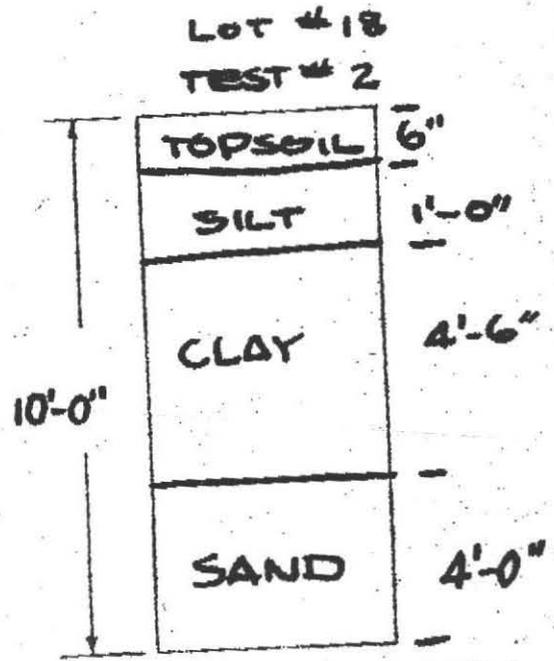


LOCATION: AMHERST, MA

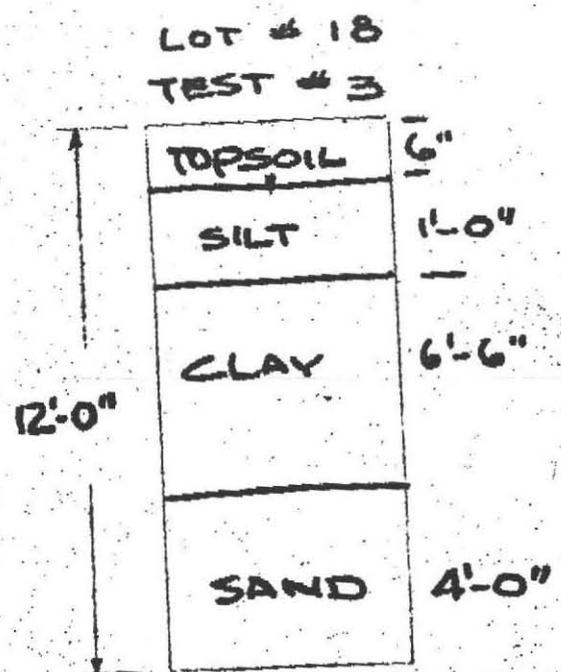
MAIL ADDRESS: \_\_\_\_\_



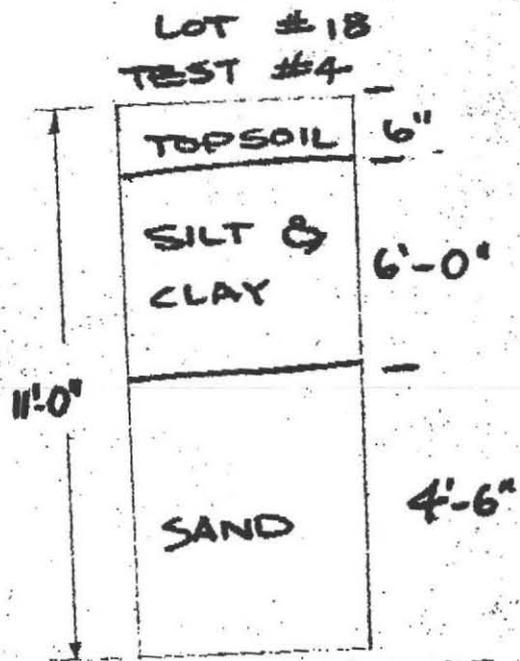
GROUND WATER NONE



GROUND WATER NONE

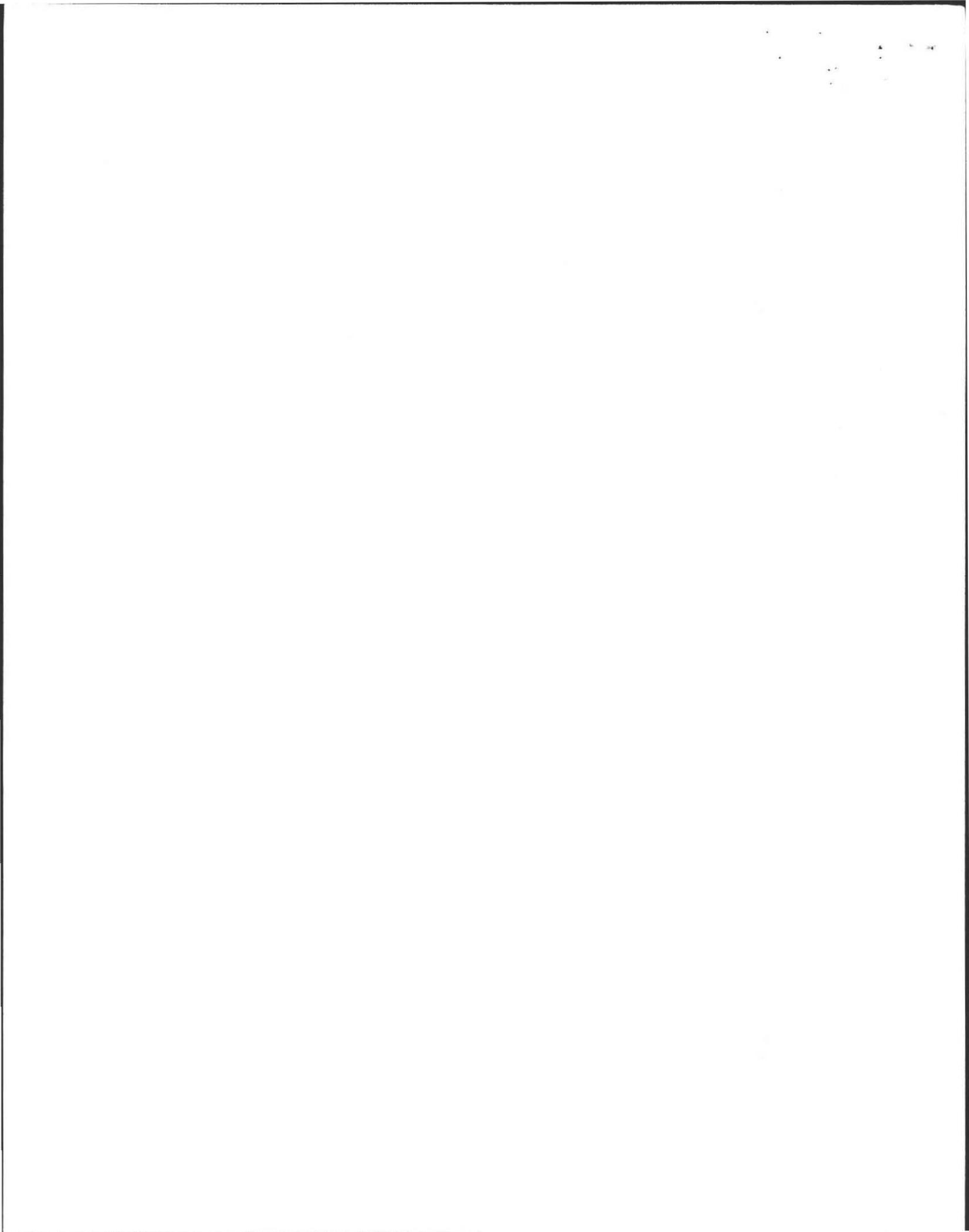


GROUND WATER NONE



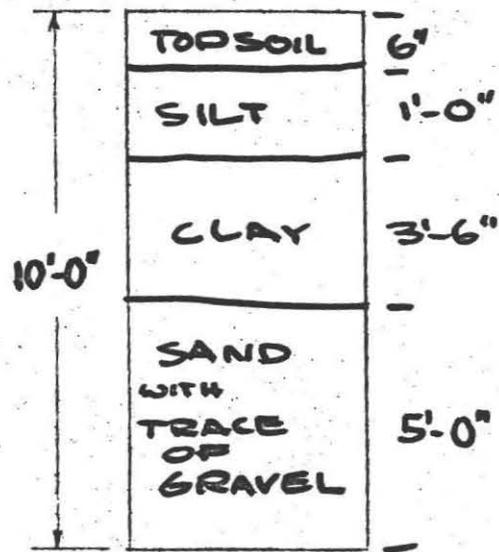
GROUND WATER NONE  
PERC RATE = 1.67 MIN/  
TAKEN 8'-0" DOWN

ALMER HUNTLEY, JR. & ASSOCIATES, INC.  
REGISTERED LAND SURVEYORS & CIVIL ENGINEERS  
238 BRIDGE STREET  
MASS



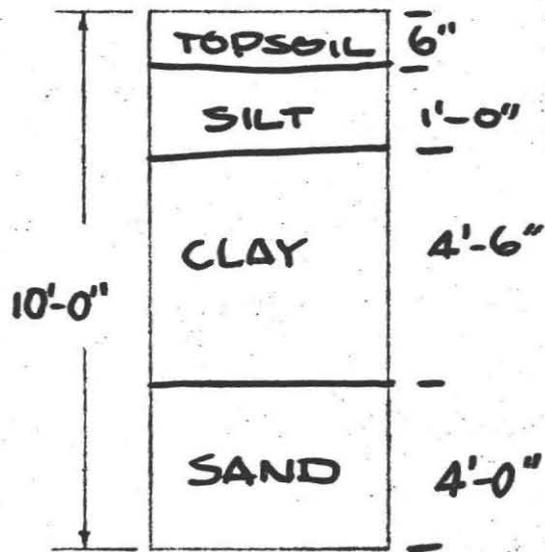
MAIL ADDRESS:

LOT # 18  
TEST # 1



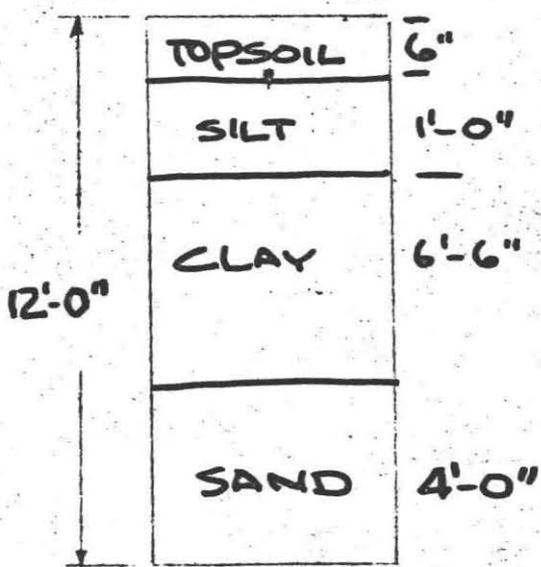
GROUND WATER NONE

LOT # 18  
TEST # 2



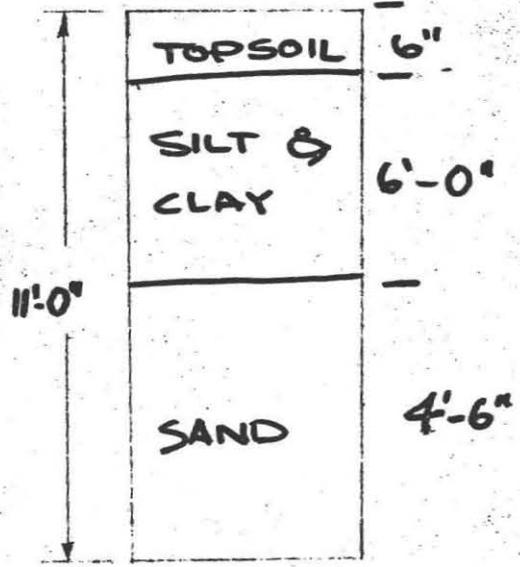
GROUND WATER NONE

LOT # 18  
TEST # 3



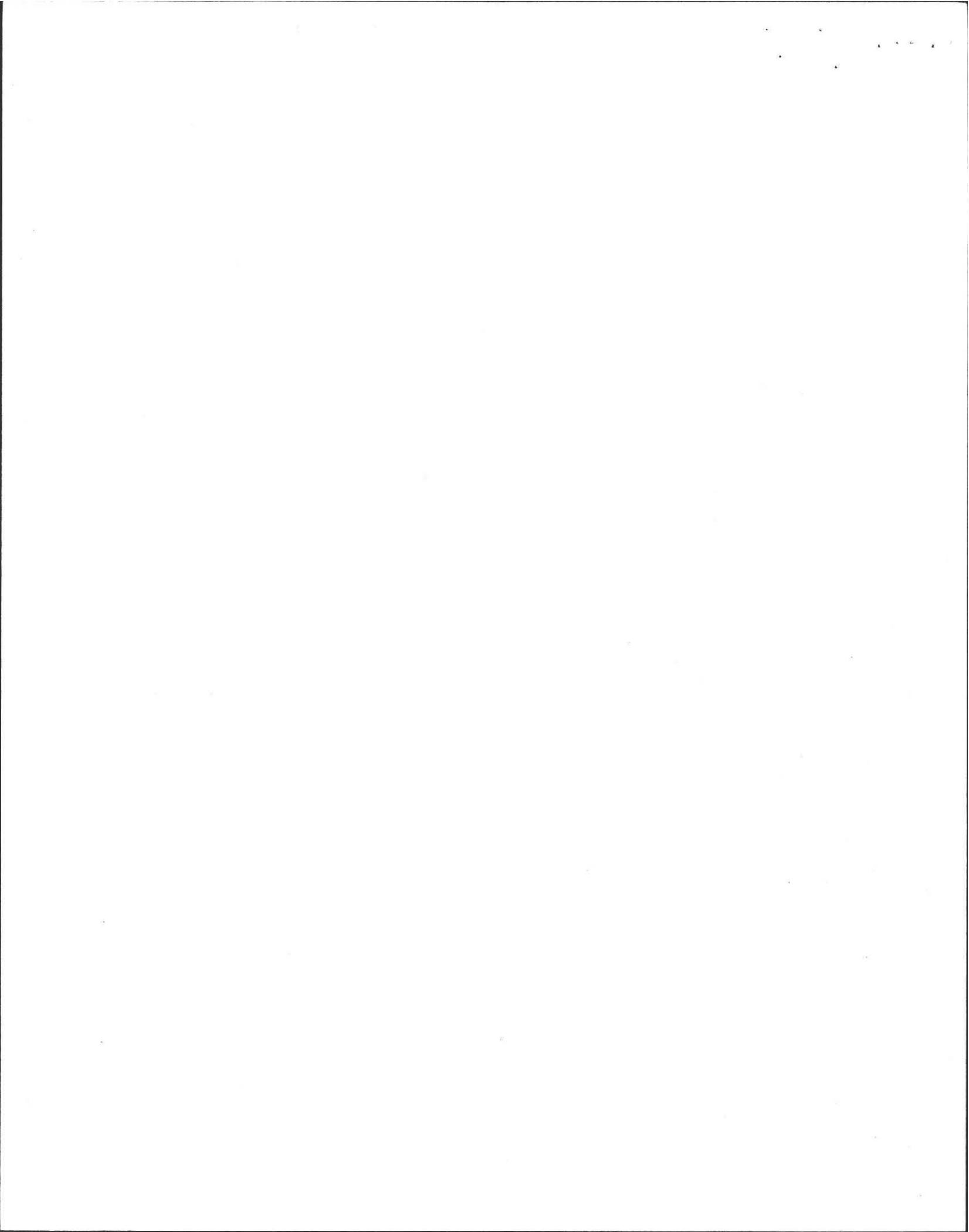
GROUND WATER NONE

LOT # 18  
TEST # 4



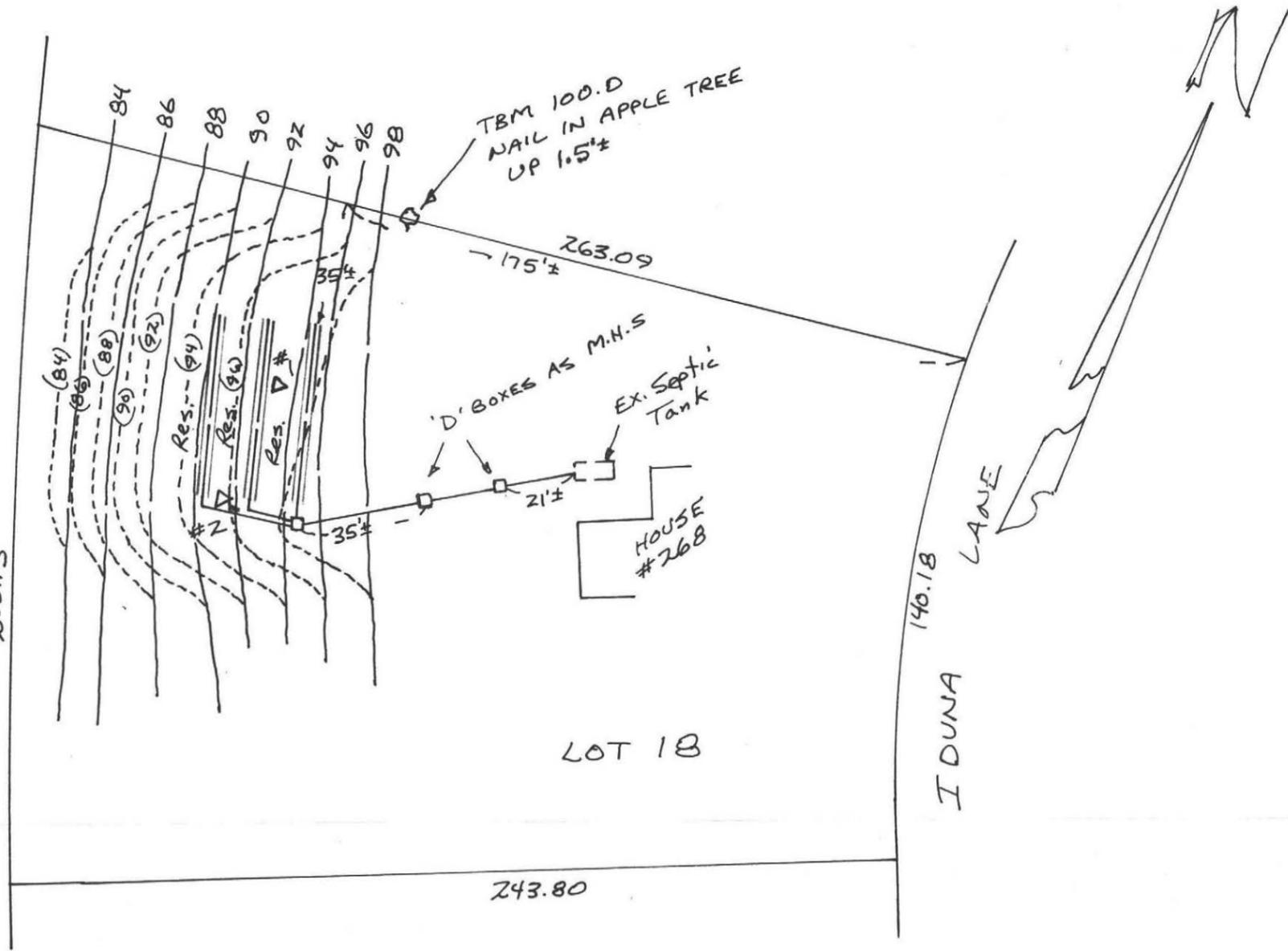
GROUND WATER NONE  
PERC RATE = 1.67 MIN/IN  
TAKEN 8'-0" DOWN

ALMER HUNTLEY, JR. & ASSOCIATES, INC.  
 REGISTERED LAND SURVEYORS & CIVIL ENGINEERS  
 238 BRIDGE STREET  
 NORTHAMPTON, MASS.



C.U. R.R.

208.13



LEGEND

- △ - Deep Hole
- ⊗ - Perc Test
- - 'D' Box
- - 1500 GAL. Septic Tank
- Existing Contours
- (---) Proposed Contours

NOTES:

1. NO WETLANDS OBSERVED WITHIN 100 FT. OF PROPOSED SYSTEM.
2. TOWN WATER
3. ALL LOAM, SUBSOIL AND SILTY LOAM TO BE REMOVED WITHIN 5 FT. OF SYSTEM AND TO ELEVATION OF SAND.

SEPTIC SYSTEM 'REPAIR' PERMIT PLOT PLAN  
 IN AMHERST, MA  
 PREPARED FOR

RONALD & ELSE HAMBLETON  
 268 IDUNA LANE  
 AMHERST, MA

SCALE 1"=40' MARCH 20, 1998



3/23/98

LEWIS & COOK SURVEYORS, INC.  
 BELCHERTOWN - PALMER, MA



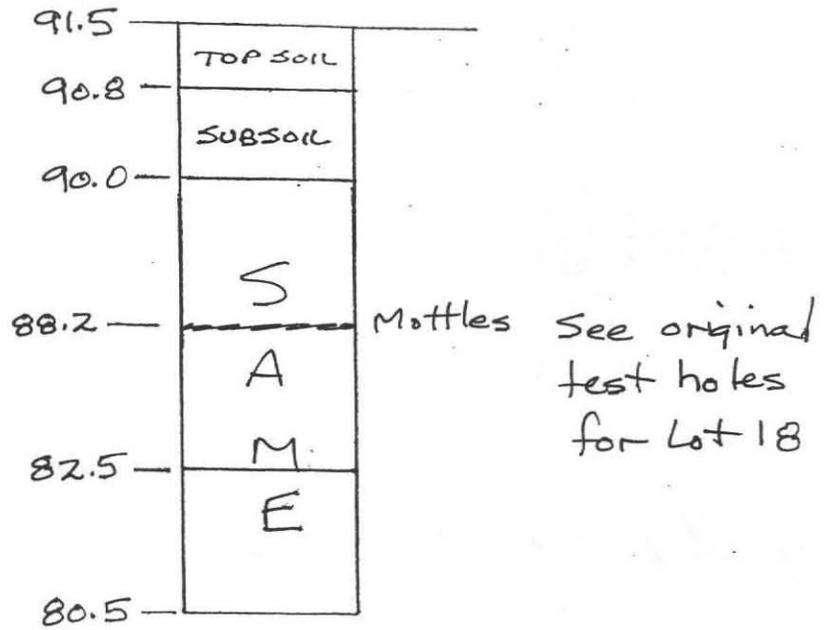
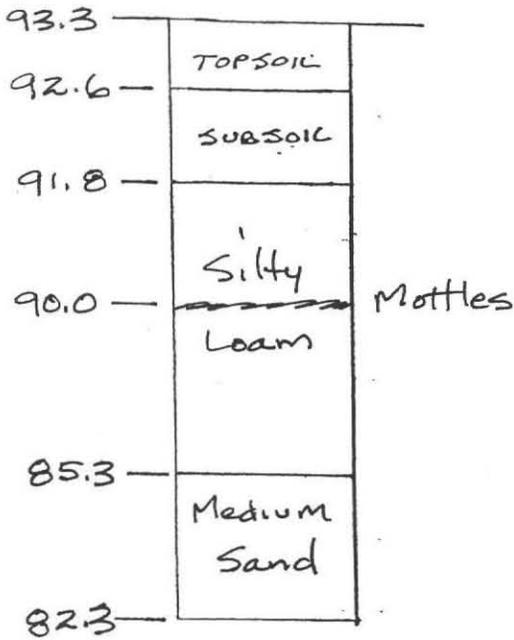
DEEP TEST HOLES

LOT 18 Pg. 3

Iduna Lane

#1

#2



CALCULATIONS

SOIL CLASS I

BOTTOM AREA

$42.0 \text{ min./in} = 0.74 \text{ gal./sq.ft.}$

$50' \times 3' \times 3 \text{ lines} = 450 \text{ sq.ft.}$

SIDEWALL AREA (NOT ALLOWED IN LEACHING FIELDS)

$50' \times \frac{6''}{12} \times 2 \text{ sides} \times 3 \text{ lines} = 150 \text{ sq.ft.}$

$600 \text{ sq.ft.} \times 0.74 \text{ gal./sq.ft.} = 444 \text{ GAL.}$

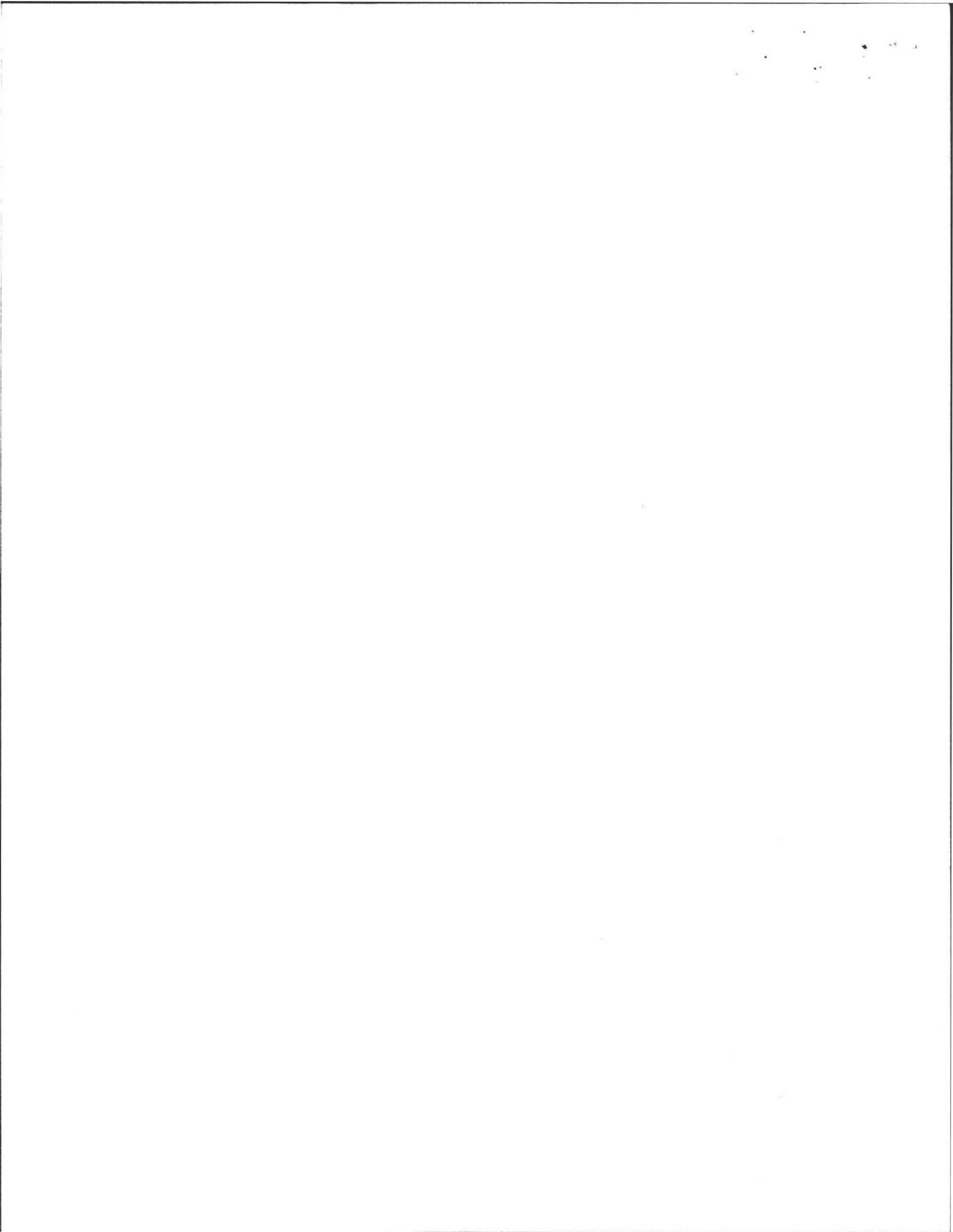
✓ AVAILABLE

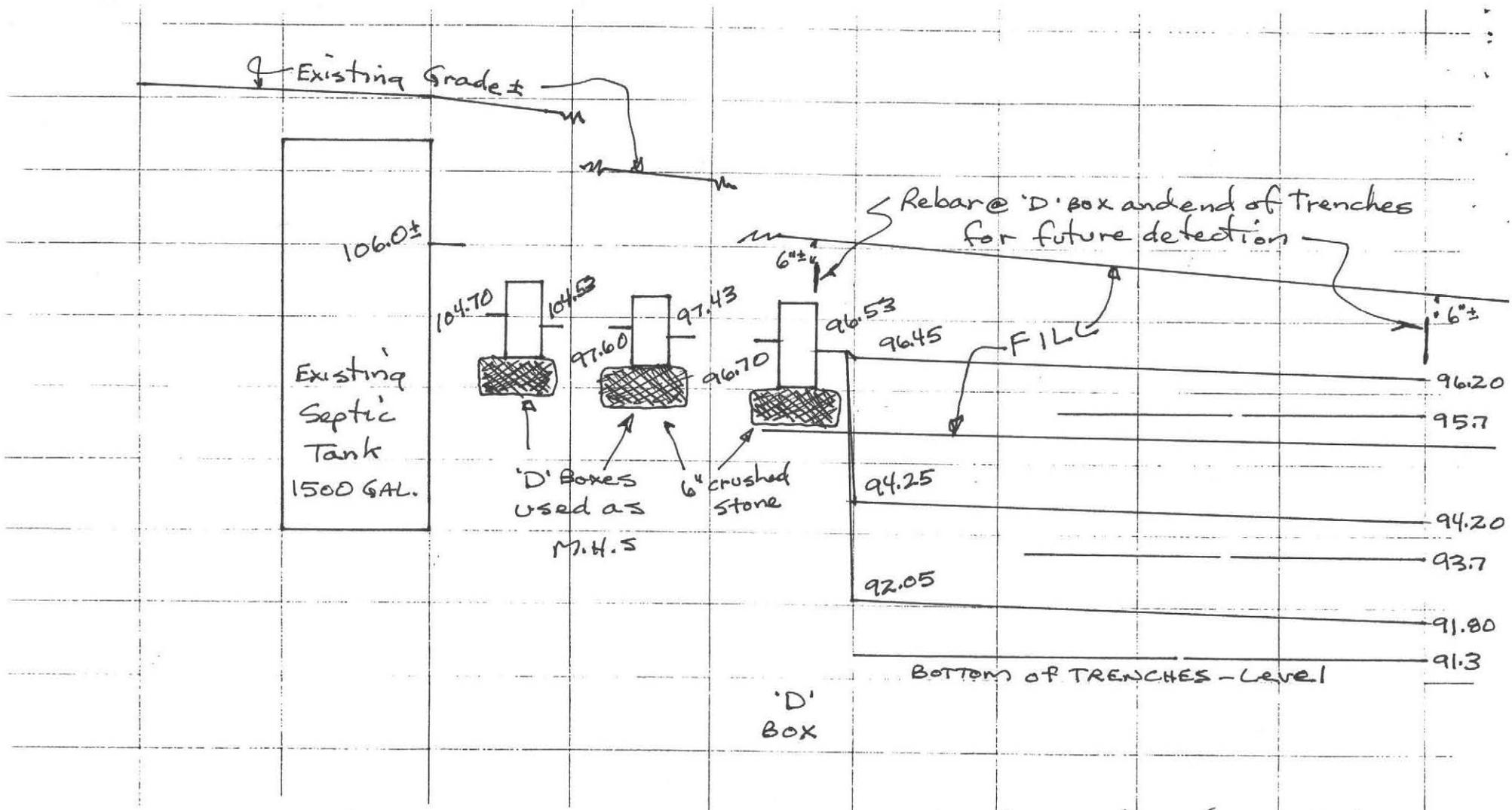
$412.5 \text{ GAL. REQUIRED (1.25} \times 330 \text{ GAL.)}$

3 Bedroom House

Garbage Grinder to be removed.







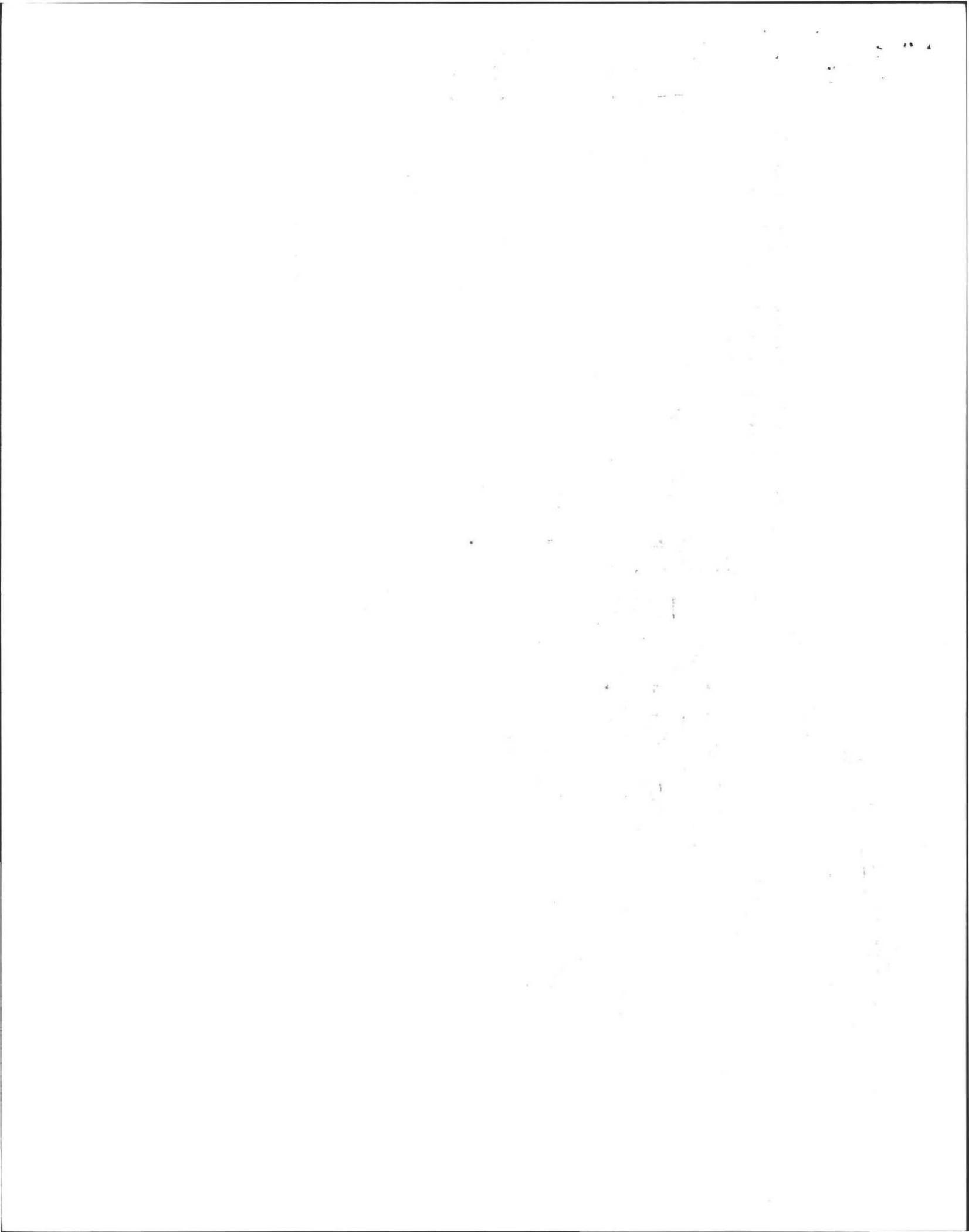
NOTES:

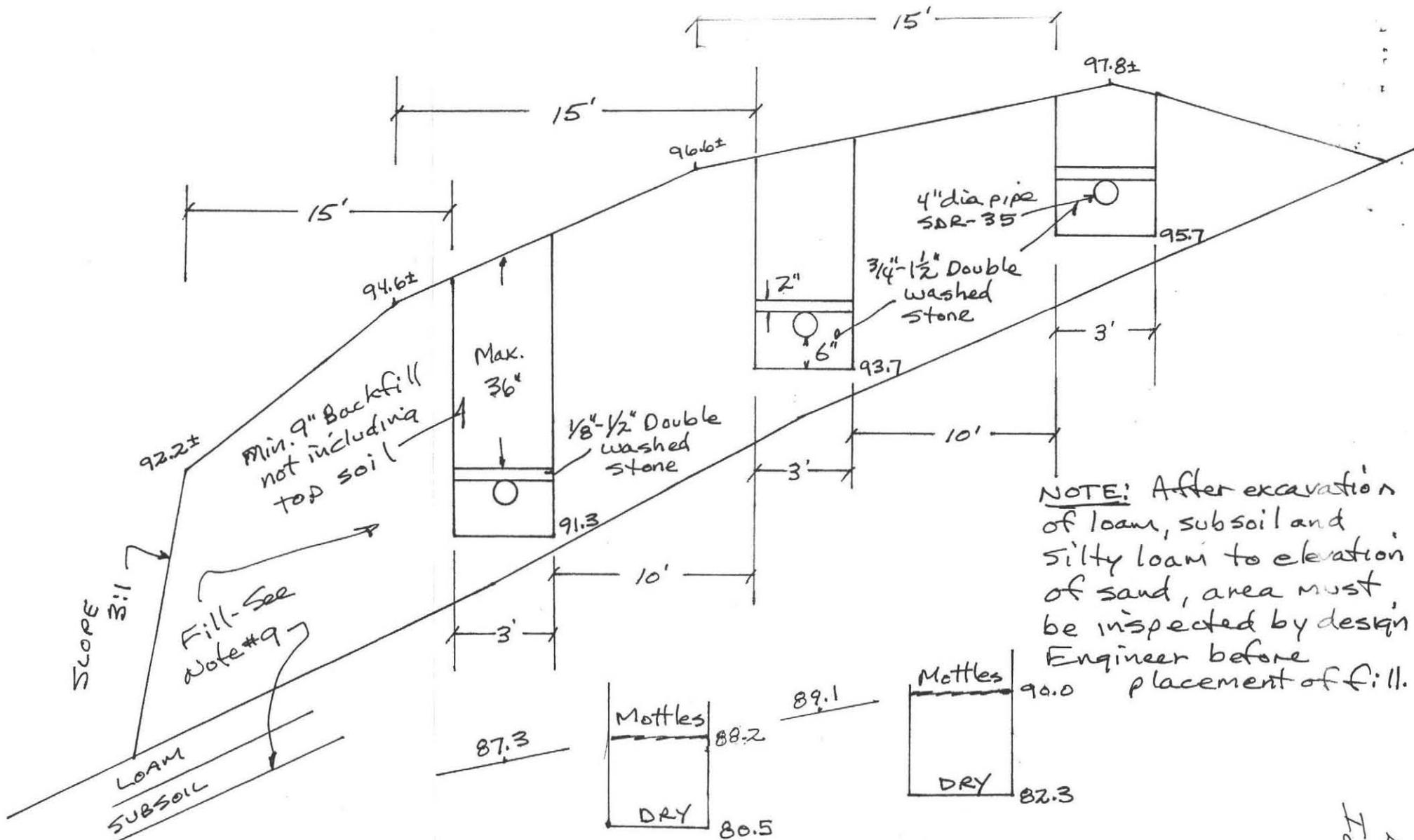
1. SEPTIC TANK SHALL HAVE INLET AND OUTLET TEES.
2. OUTLET TEE SHALL HAVE A GAS BAFFLE
3. D-BOX SHALL HAVE MINIMUM 12" INSIDE WIDTH AND 6" SUMP BELOW OUTLET INVERT.
4. ACCESS M.H.S TO SEPTIC TANK SHALL BE WITHIN 6" TO FINISHED GRADE
5. D-BOX OUTLET PIPES SHALL BE LEVEL MIN. 2 FT.
6. END CAPS ON PIPES
7. ELEVATIONS ARE TO INVERTS UNLESS NOTED
8. SEPTIC TANKS SHOULD BE INSPECTED ANNUALLY

PROFILE OF SYSTEM SCALE HORIZ. 1"=10'  
VERT. 1"=2'

Leach Trenches (3-50' long)







NOTE: After excavation of loam, subsoil and silty loam to elevation of sand, area must be inspected by design Engineer before placement of fill.

NOTES:

9. ALL LOAM, SUBSOIL AND OTHER IMPERVIOUS MATERIAL SHALL BE REMOVED WITHIN 5 FT. OF LEACHING FACILITY AND FILL WITHIN 5 FT. OF LEACHING FACILITY SHALL MEET SPECIFICATIONS OF TITLE 5 15.255 (3)
10. FINISH GRADE ABOVE AND ADJACENT TO SYSTEM SHALL SLOPE AT LEAST 2% TO PREVENT ACCUMULATION OF SURFACE WATER

CROSSSECTION OF SYSTEM  
NO SCALE



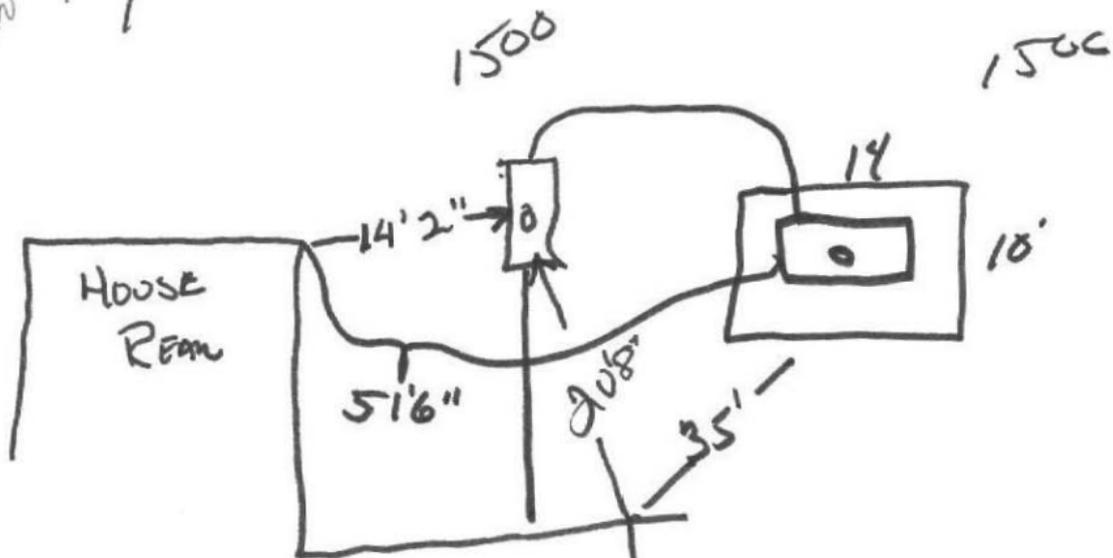
3/23/98

LOT 18 Iduna Lane Pg. 5

1000

Don:  
~~TEJANO~~  
HAMBLETON

↑ REYNAERS 268 Oduna



12-14-84  
4-1-85

↑ ODUNA





No. 84-38

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town OF Amherst

Application for Disposal Works Construction Permit

Application is hereby made for a Permit to Construct () or Repair ( ) an Individual Sewage Disposal System at:

268 Iduna  
\$90  
FEE  
10-9-84  
COMMONWEALTH OF MASSACHUSETTS  
FREDERICK J. HAYES, R.S.  
628

System at:

268 Iduna Lane Location - Address  
Ron + Else Hambleton Owner  
\* E.D. Stone Installer  
18 or Lot No.  
8 Flintlock Rd Amherst Ma Address

Type of Building  
Dwelling — No. of Bedrooms 3 Expansion Attic ( ) Garbage Grinder ()  
Other — Type of Building No. of persons Showers ( ) — Cafeteria ( )  
Other fixtures

Design Flow 55 gallons per person per day. Total daily flow 330 gallons.  
Septic Tank — Liquid capacity 1500 gallons Length Width Diameter Depth  
Disposal Trench — No. Width Total Length Total leaching area 175 sq. ft. Sides  
Seepage Pit No. 1 Diameter 10.5 x 7 Depth below inlet 5' Total leaching area 73.5 sq. ft. Bottom  
Other Distribution box ( ) Dosing tank ( )  
Percolation Test Results Performed by Dennis Tabin - RPB Date 9/26/73  
Test Pit No. 1 1:67 minutes per inch Depth of Test Pit 10' Depth to ground water none  
Test Pit No. 2 minutes per inch Depth of Test Pit 12' Depth to ground water

Description of Soil Enclosed -  
PLEASE NOTE DEPTH OF PITS TO  
TAKE ADVANTAGE OF GOOD SOIL MATERIAL -  
Nature of Repairs or Alterations — Answer when applicable

Agreement:

The undersigned agrees to install the aforescribed Individual Sewage Disposal System in accordance with the provisions of TITLE 5 of the State Sanitary Code — The undersigned further agrees not to place the system in operation until a Certificate of Compliance has been issued by the board of health.

Signed Else Hambleton Date Oct 9 1984  
Application Approved By [Signature] Date 10-10-84

Application Disapproved for the following reasons:

Permit No. 84-38 Issued 10-10-84 Date

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

OF

Certificate of Compliance

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed ( ) or Repaired ( ) by

at  
has been installed in accordance with the provisions of TITLE 5 of The State Sanitary Code as described in the application for Disposal Works Construction Permit No. dated

THE ISSUANCE OF THIS CERTIFICATE SHALL NOT BE CONSTRUED AS A GUARANTEE THAT THE SYSTEM WILL FUNCTION SATISFACTORY.

DATE Inspector

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town OF Amherst

No. 84-38

FEE \$90

Disposal Works Construction Permit

Permission is hereby granted Ron + Else Hambleton to Construct () or Repair ( ) an Individual Sewage Disposal System

at No. 101 18 Iduna Lane Street  
as shown on the application for Disposal Works Construction Permit No. 84-38 Dated 10-10-84

DATE 10-10-84 Board of Health

CHECK OR FILL IN WHERE APPLICABLE

Oct 2 1887

Dr. Huntley

BOARD OF HEALTH  
TOWN OF AMHERST, MASSACHUSETTS

60418 IDUNA

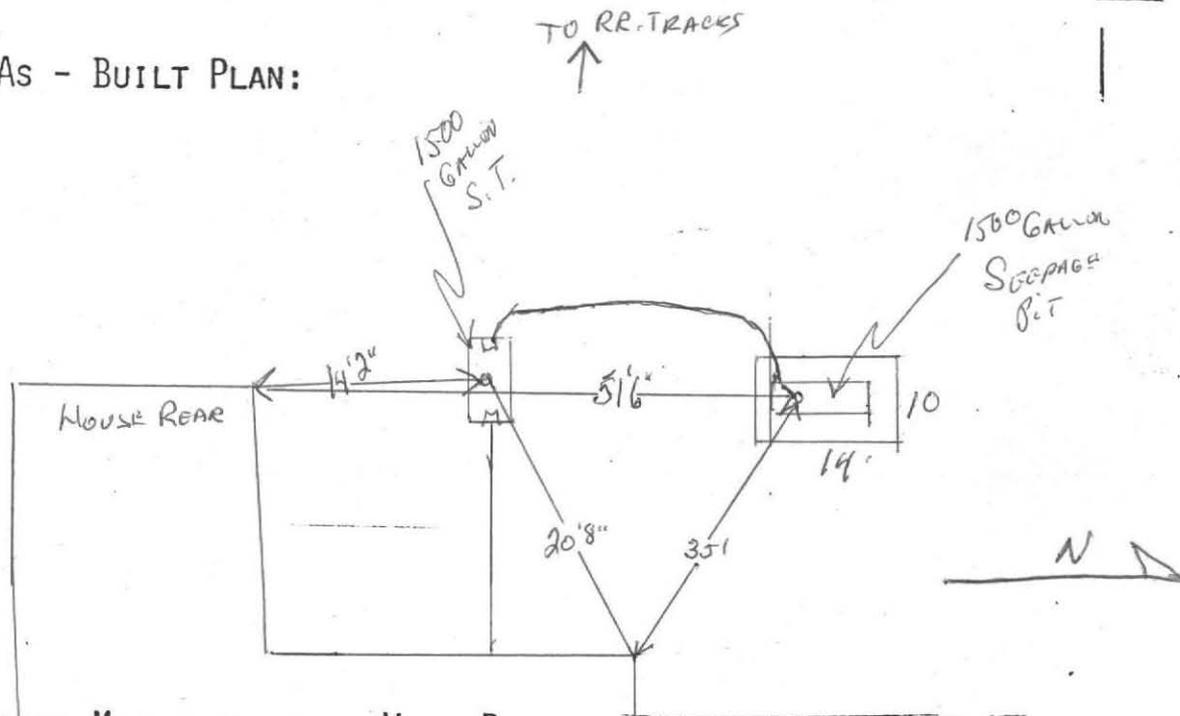
Important Information Regarding Your Private Sewage Disposal System

DISPLAY THIS DOCUMENT IN A PROMINENT PLACE

Owner RON HAMBLETON <sup>DONTEAGNO</sup> Address 8 FLINTLOCK LA.  
Installer E.O. STONE Address MONTAGUE MA  
Date Installation Inspected and Approved ~~10-08~~ 12-14-84

Description of System: Tank Capacity: 1500  
Leach Field ( ) Bed ( ) Seepage Pit (X) Square Feet: 140 BOTTOM 280 SIDES  
Garbage Grinder Yes (X) No ( ) No. Bedrooms: 3 No. People 6

As - BUILT PLAN:



PROPER MAINTENANCE OF YOUR PRIVATE SEWAGE DISPOSAL SYSTEM

1. This system must be inspected periodically and the tank pumped out at an interval not to exceed 3 years.
2. For your protection sanitary pumpers are licensed by the Amherst Board of Health.
3. Regular pumping is crucial to avoid early failure and costly repairs of the system.
4. DO NOT dispose into the system such items as rags, string, sanitary napkins, coffee grounds as they can cause it to clog and fail.
5. Further information can be obtained by contacting your Health Department at 253-7077.

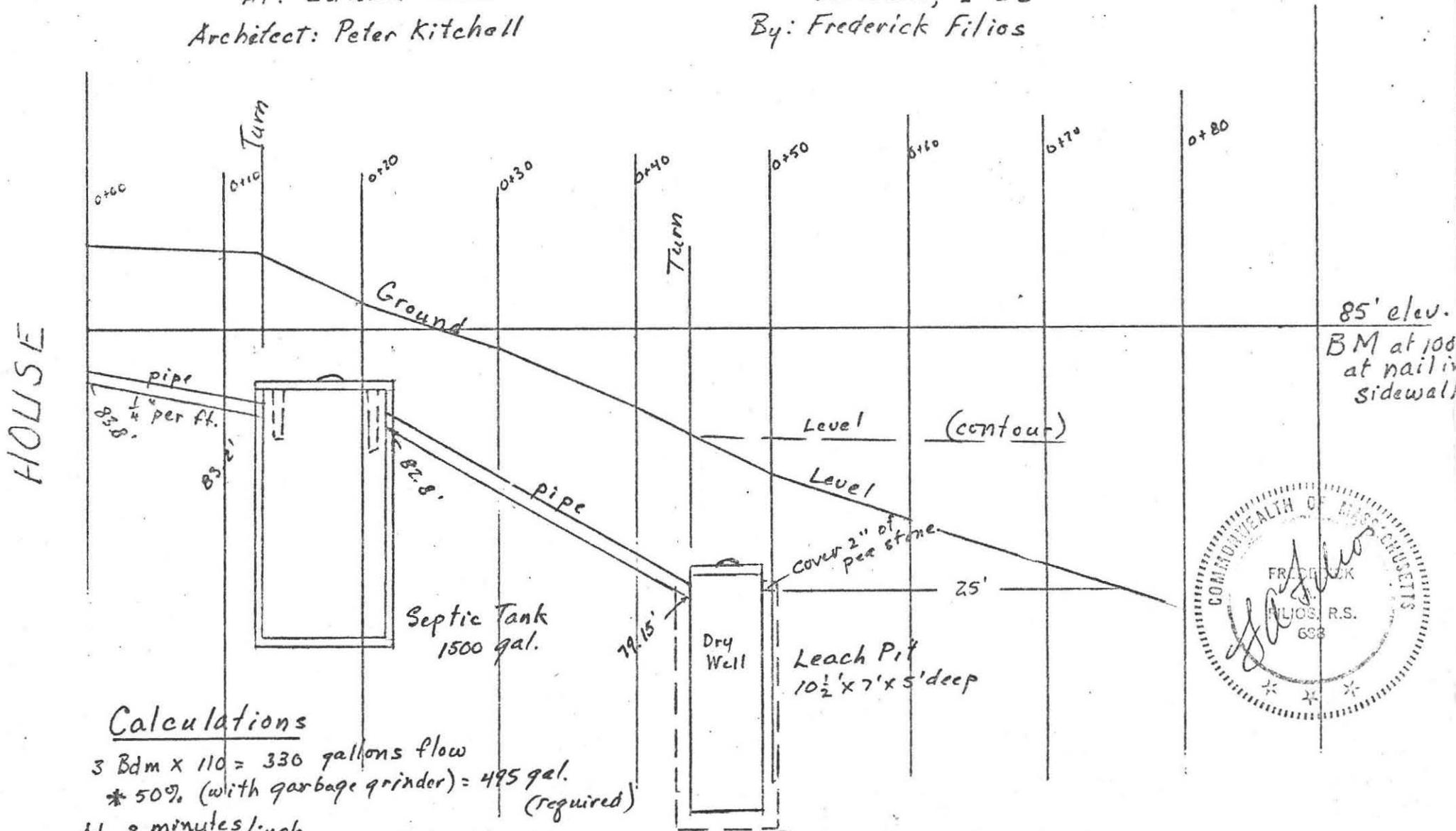


# PROFILE OF SEPTIC SYSTEM

Oct. 1984

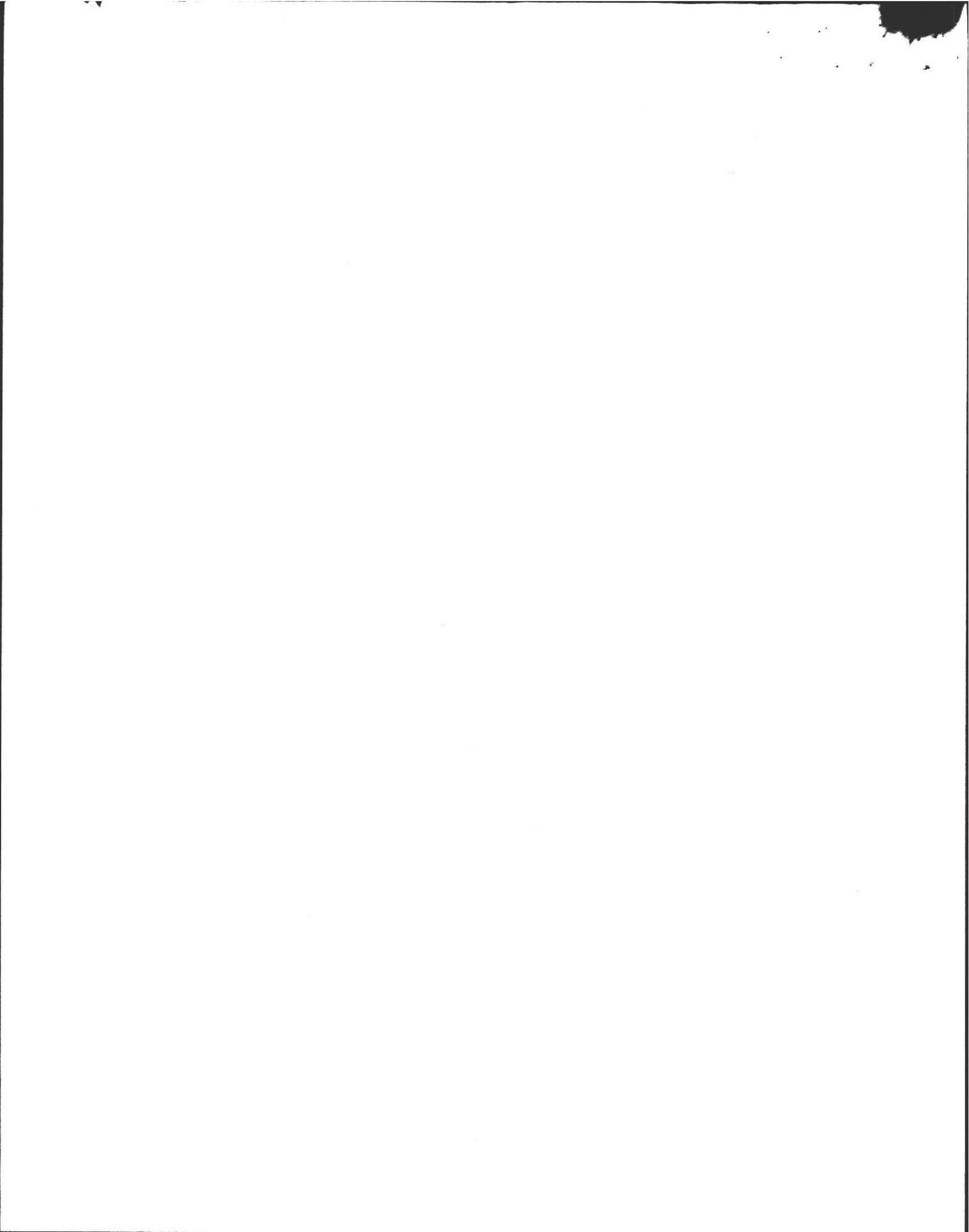
For: Ron + Else Hambleton  
 At: Iduna Lane  
 Architect: Peter Kitchell

Scale: Horizontal; 1" = 10'  
 Vertical; 1" = 3'  
 By: Frederick Filios



## Calculations

3 Bdm x 110 = 330 gallons flow  
 \* 50% (with garbage grinder) = 495 gal. (required)  
 At 2 minutes/inch  
 Sides 2.5 gal per sq. ft.  
 Bottom 1.0 " " " "  
 Sides 10.5 x 5 x 2 = 105 Sq. Ft.  
 7 x 5 x 2 = 70 " "  
 175 x 2.5 = 437.5 gallons  
 Bottom 10.5 x 7 = 73.5 x 1 = 73.5  
 Total: 511.0 gallons proposed



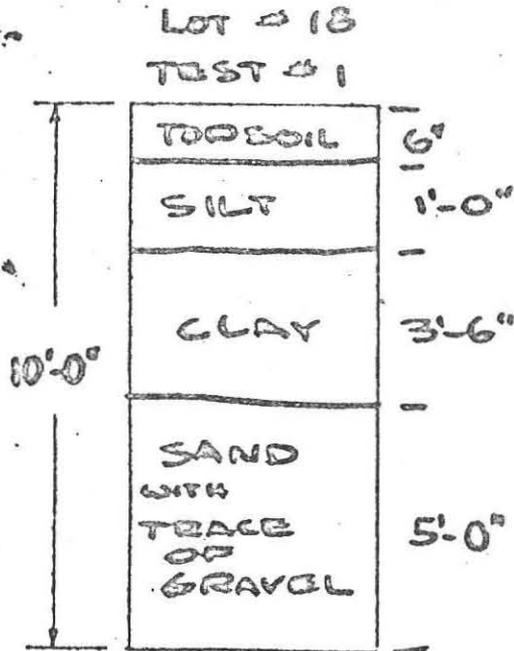
OBSERVATION PIT

Hambelton File

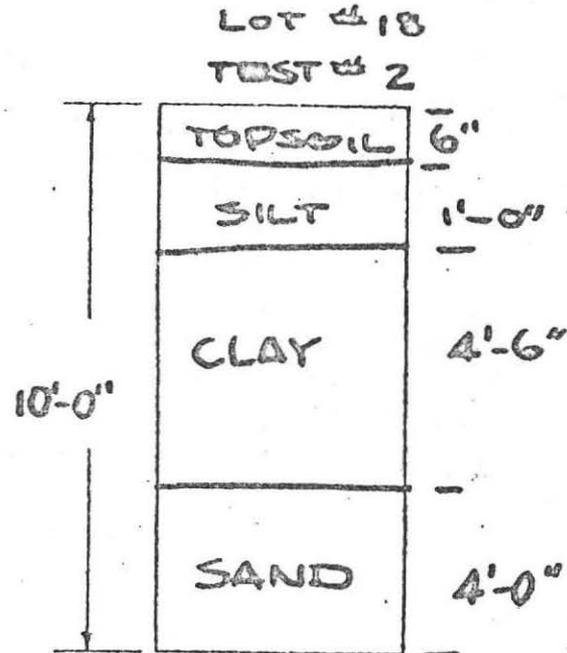
REQUESTED BY: HOWARD ATKINS  
LOCATION: EDINA LANE  
AMHERST, MASS  
MAIL ADDRESS:

DATE: 9/26/77  
OBSERVER: RDB  
58A-7444

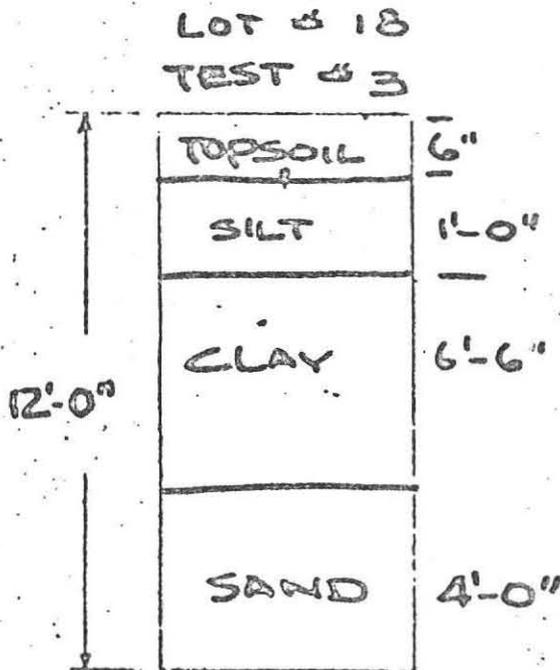
Donnis Tabin



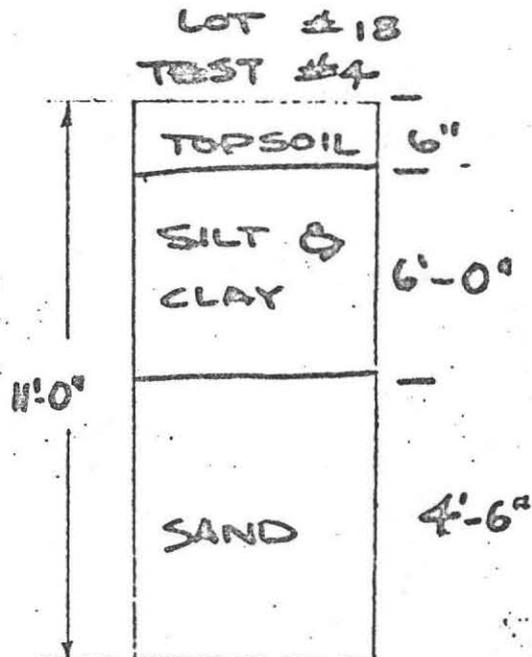
GROUND WATER NONE



GROUND WATER NONE

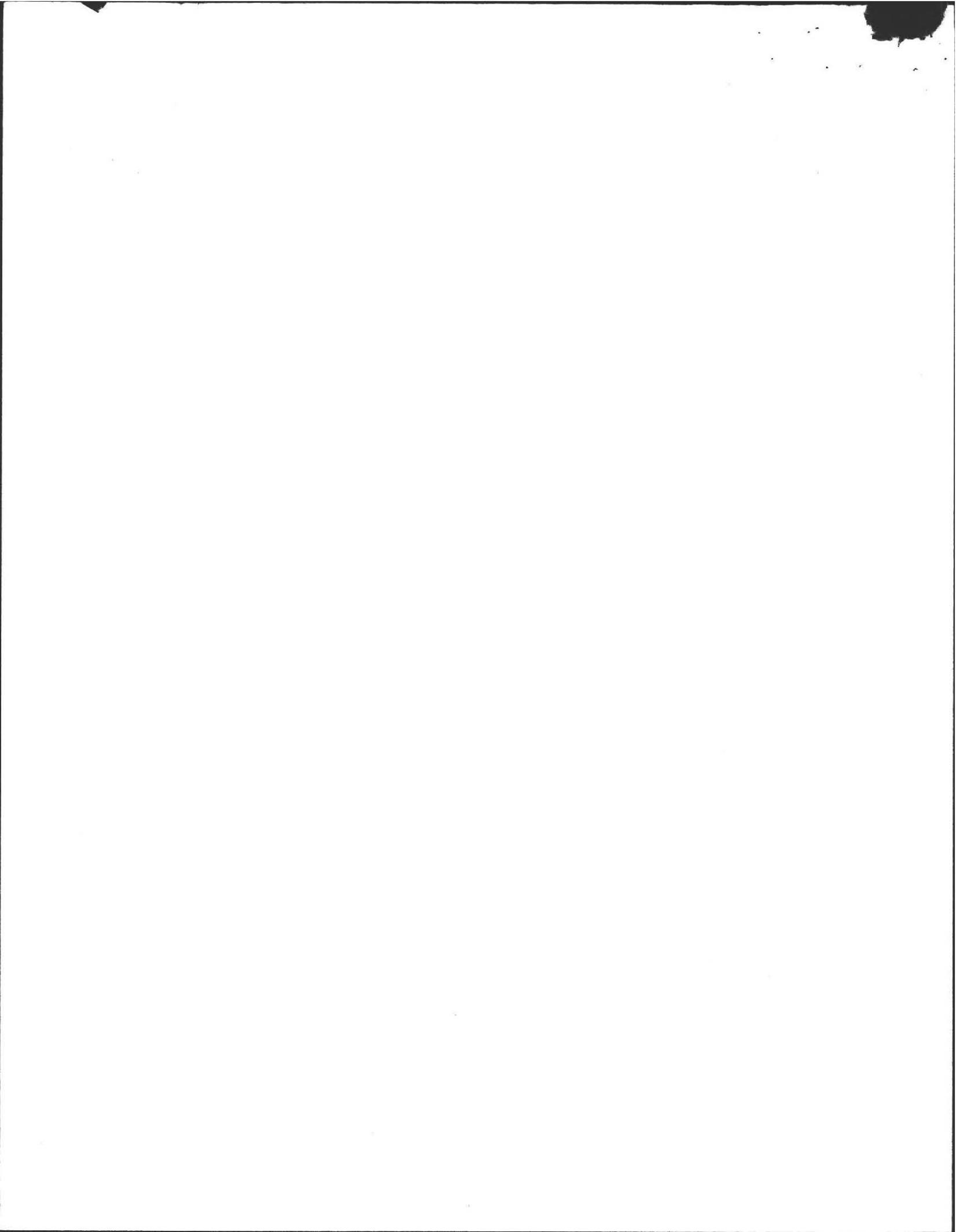


GROUND WATER NONE



GROUND WATER NONE

PERC RATE = 1.67 MIN/IN  
TAKEN 8'-0" DOWN



CK # 9472

TOWN OF AMHERST  
HEALTH PERMITS/ INSPECTION SERVICES

No. 0291

Received of Ronald + Else Hambleton of 268 IDUNA Lane  
For Property Located at: 268 IDUNA Lane Ronald + Else Hambleton  
Name Street Address Owner

- |                                   |              |  |               |
|-----------------------------------|--------------|--|---------------|
| HEA009 Bakery                     | _____        | HEA014 Retail Store Permit               | _____         |
| R6510 443508                      |              | R6510 443514                             |               |
| HEA001 Bed & Breakfast            | _____        | HEA015 Sanitary Code Booklets            | _____         |
| R6510 443516                      |              | R6510 432305                             |               |
| HEA025 Burial Permits             | _____        | HEA016 Septic Tank Permit-Installers     | _____         |
| R6510 443517                      |              | R6510 443511                             |               |
| HEA002 Catering License           | _____        | HEA017 Septic Tank Permit-Private        | <u>100.00</u> |
| R6510 443507                      |              | R6510 443510                             |               |
| HEA003 Food Handler               | _____        | HEA018 Septic Tank Reinspection Fee      | _____         |
| R6510 443515                      |              | R6510 432301                             |               |
| HEA004 Frozen Desserts            | _____        | HEA026 Smoking & Tobacco Reg. Violations | _____         |
| R6510 443501                      |              | R6510 443518                             |               |
| HEA024 Funeral Director License   | _____        | HEA019 Sub-Division Review Fee           | _____         |
| R6510 443502                      |              | R6510 432306                             |               |
| HEA005 Health Dept. Housing Insp. | _____        | HEA012 Swimming Pool Permits             | _____         |
| R6510 432302                      |              | R6510 443512                             |               |
| HEA006 Massage Therapy License    | _____        | HEA023 TB Clinic                         | _____         |
| R6510 443504                      |              | R6510 432303                             |               |
| HEA007 Milk & Cream License       | _____        | HEA020 Tanning License                   | _____         |
| R6510 443500                      |              | R6510 443509                             |               |
| HEA008 Motel License              | _____        | HEA022 Tobacco License                   | _____         |
| R6510 443506                      |              | R6510 443505                             |               |
| HEA010 Removal of Offal           | _____        | HEA                                      | _____         |
| R6510 443513                      |              | HEA                                      | _____         |
| HEA011 Percolation Test Fees      | <u>60.00</u> |  |               |
| R6510 432300                      |              |  |               |
| HEA013 Recreation Camp License.   | _____        |  |               |
| R6510 443503                      |              |  |               |

TOTAL FEE: 160.00

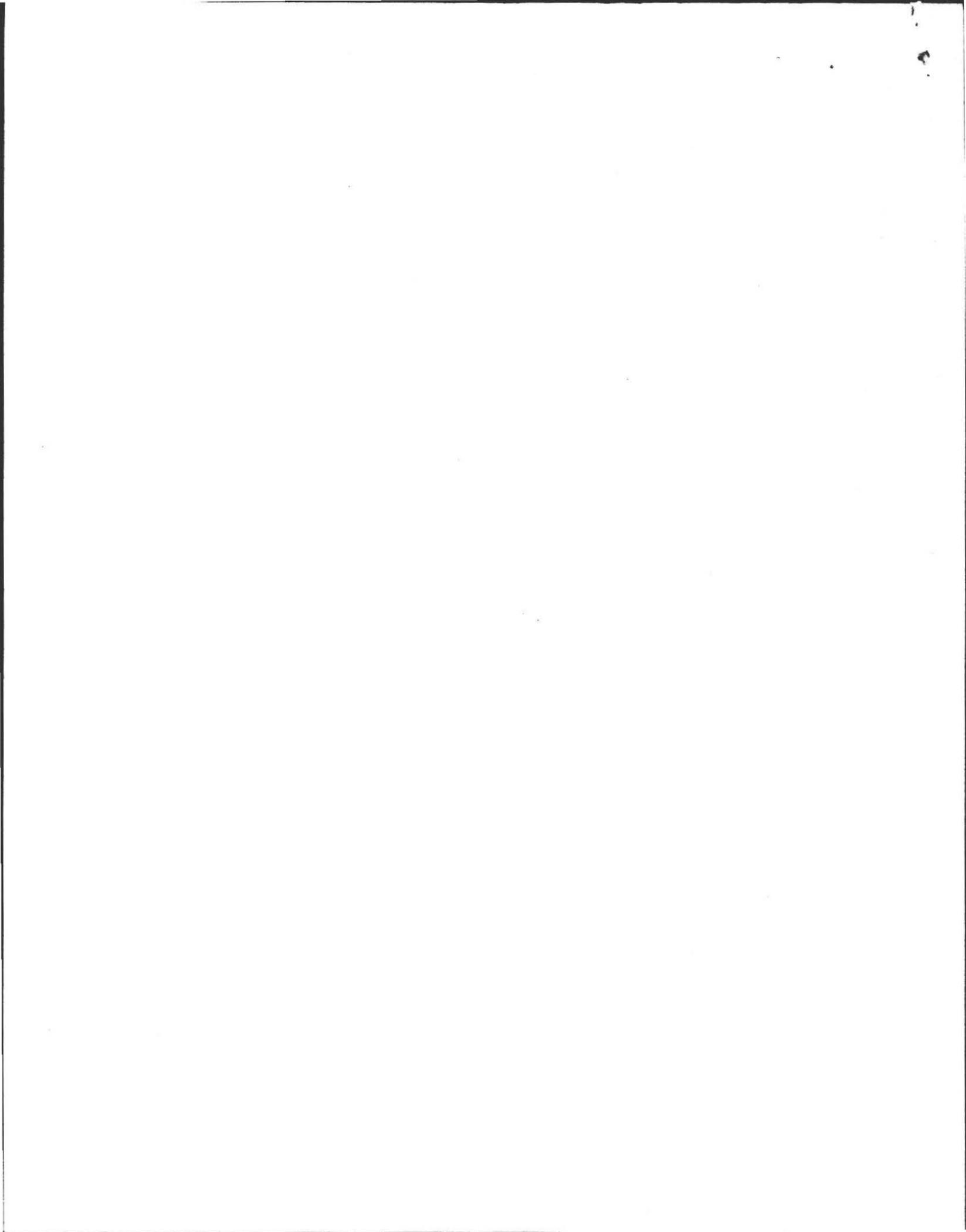
David Janczowski  
Inspection Services/Health Department

3/25/98  
Date

\*\*\*TOWN OF AMHERST\*\*\*  
MISC CASH RECEIPTS  
Date / Time : 03/25/98 12:01:56  
Payment : \$100.00  
Receipt # : 48650  
Check/Credit Card #: 291/CK9472  
Clerk : boucherc  
Paid by : RONALD HAMBLETON

\*\*\*TOWN OF AMHERST\*\*\* T1146  
MISC CASH RECEIPTS  
Date / Time : 03/25/98 12:00:39  
Payment : \$60.00  
Receipt # : 48655  
Check/Credit Card #: 291/CK9472  
Clerk : boucherc  
Paid by : RONALD HAMBLETON

Must be validated by the Collector's Office to be considered paid.



Ronald K. Hambleton  
Else Hambleton  
268 Iduna Lane - Tel. (413) 253-5344  
Amherst, Ma 01002

9472

5-20/110

Mar 25 1998

PAY TO THE  
ORDER OF

Town of Amherst

\$ 160.00

one hundred sixty

DOLLARS

 Security features included. Details on back.



**Shawmut Bank**

Boston, Massachusetts

FOR

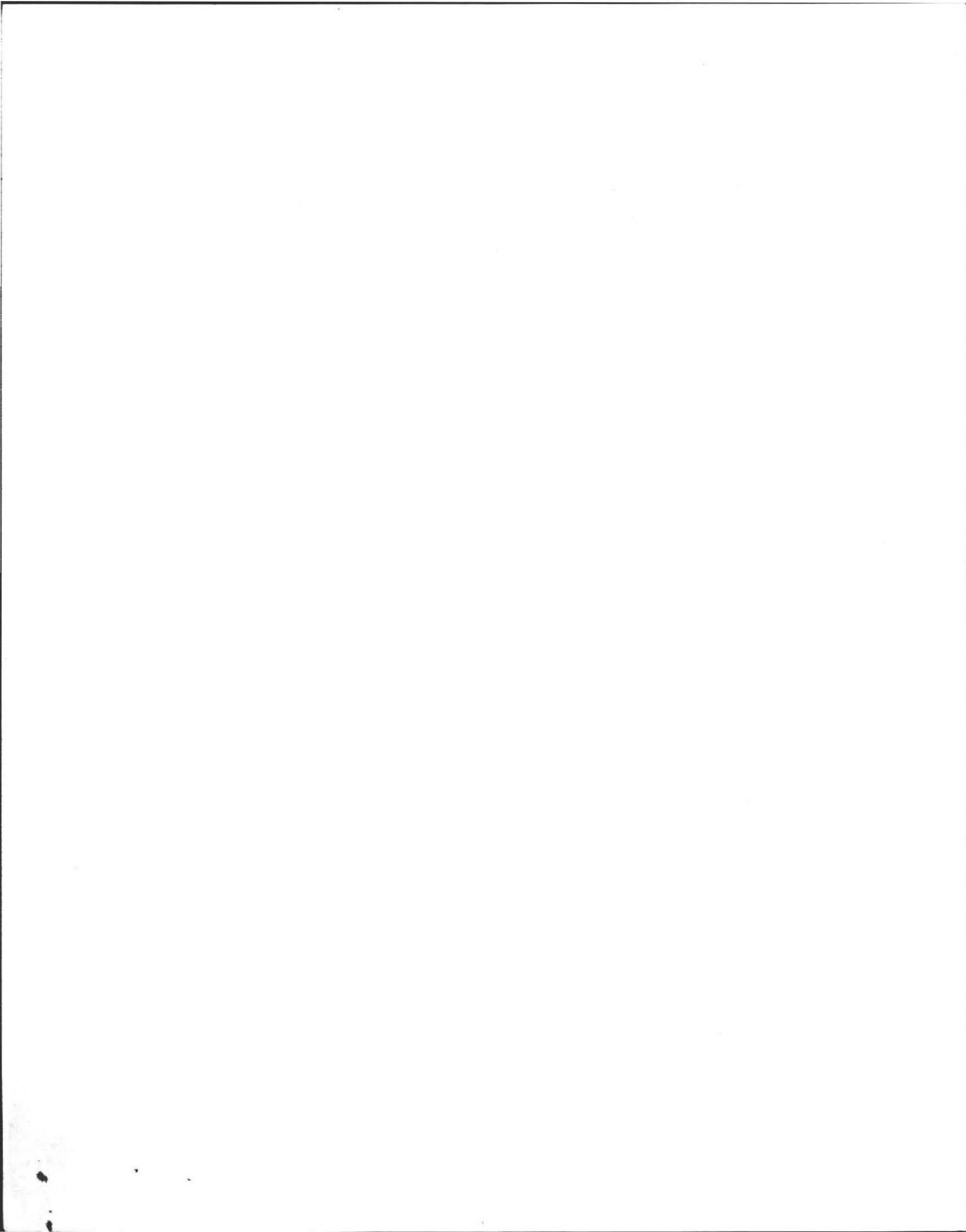
septic tank

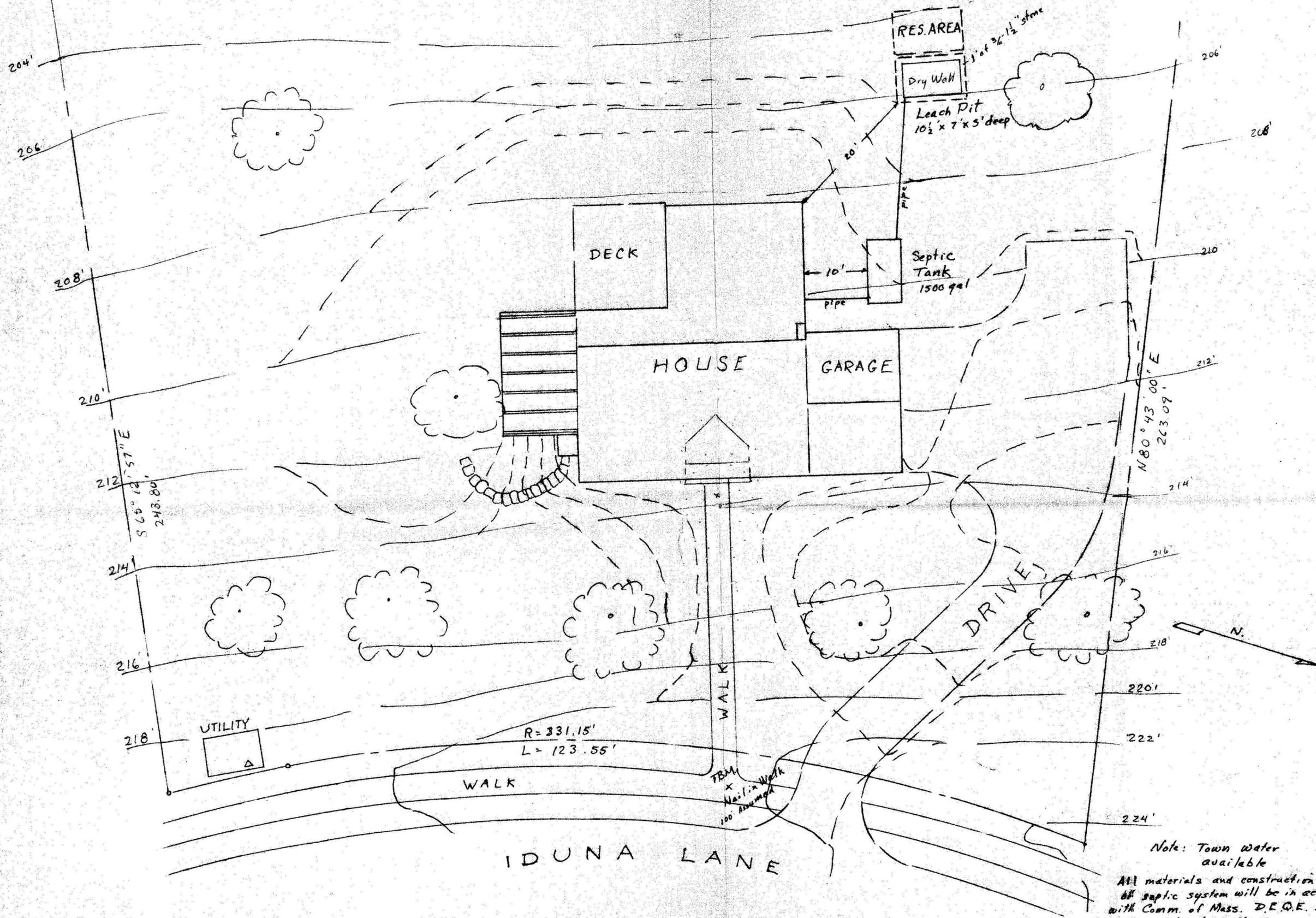
Else Hambleton

⑆011000206⑆ 36 693761 30 9472

Pd ow  
3/25/98

FOR Perc  
Test and  
Plows

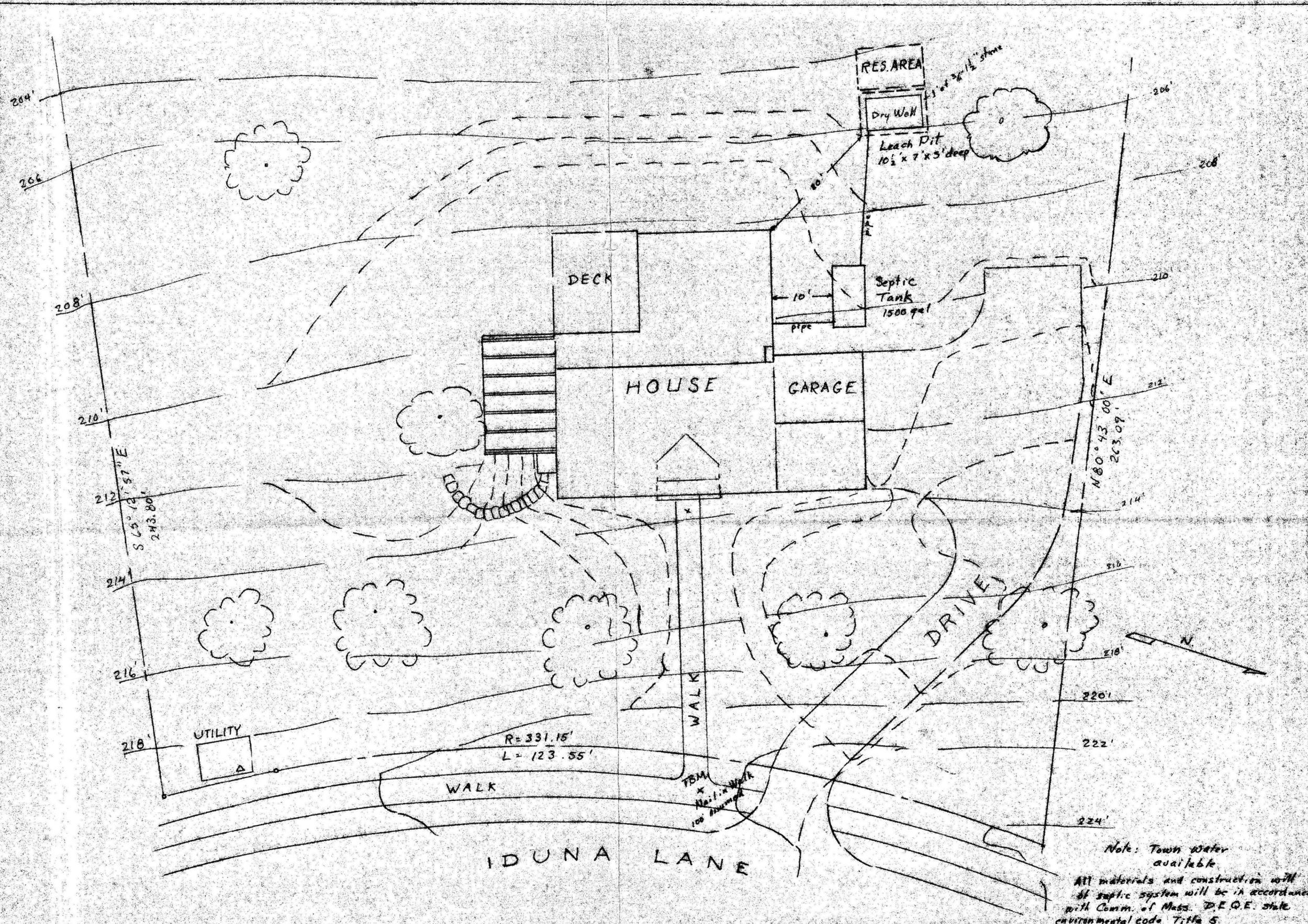




**HAMBLETON HOUSE**  
Ron + Else Hambleton  
Iduna Lane  
Amherst Mass.

**PLAN SHOWING SEWAGE DISPOSAL**  
Scale: 1" = 10'  
October 1984  
By: Frederick Filios

**PETER KITCHELL**  
ARCHITECT



**HAMBLETON HOUSE**  
 Ron + Else Hambleton  
 Iduna Lane  
 Amherst Mass

**PLAN SHOWING SEWAGE DISPOSAL**  
 Scale: 1" = 10'      October 1984  
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