

28 High Point Dr.

Garfield



No. 12112

No. 94-23

#28

11/18/94 Fee 60.00 Core Plans

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 (X) or Repair ( ) an Individual Sewage Disposal System at:

28 High Point Drive Lot #7 28 High Point
Jeffrey Crouse Location - Address
21 Amity Place or Lot No. Amherst MA 01002
Stoney Excavating Owner
Stoney Excavating Installer

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

Design Flow 5.5 gallons per person per day. Total daily flow 330 x 1.25 = 412.5 gallons.
Septic Tank - Liquid capacity 1500 gallons Length 10.5 Width 5.0 Diameter Depth 4.0
Disposal Trench - No. 5 Width 2.0 Total Length 250 Total leaching area 500 sq. ft.
Seepage Pit No. Diameter Depth below inlet 1.0 Total leaching area 500 sq. ft.

Other Distribution box (X) Dosing tank ( )
Percolation Test Results Performed by Filios Enterprises, Inc. Date 11 May 1994
Test Pit No. 1 minutes per inch Depth of Test Pit 80" Depth to ground water 48"
Test Pit No. 2 minutes per inch Depth of Test Pit 98" Depth to ground water 59"
3 16.3 min./inch 90" 70"
4 13 min./inch 112" 80"

Description of Soil Soil Description attached
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 Environmental 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 [Signature]
Application Approved By [Signature] for [Signature] 11/18/94
Application Disapproved for the following reasons:

Permit No. 94-23 Issued 11/18/94 Date

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town of Amherst

Certificate of Compliance

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed (X) or Repaired ( ) by Stoney Excavating Edward G. Stone 4/24/95 at Lot #7 High Point Drive 28 High Point Dr has been installed in accordance with the provisions of TITLE 5 of The State Environmental Code as described in the application for Disposal Works Construction Permit No. 94-23 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

Disposal Works Construction Permit

Permission is hereby granted Jeffrey Crouse to Construct (X) or Repair ( ) an Individual Sewage Disposal System at No. Lot #7 High Point Drive Street

as shown on the application for Disposal Works Construction Permit No. 94-23 Dated 11/18/94

DATE 11/18/94 [Signature] Board of Health

Town Amherst

Plan of Town Amherst MA 1800

Jeffrey George

200	200	200	200	200	200
100	100	100	100	100	100
50	50	50	50	50	50
25	25	25	25	25	25
12.5	12.5	12.5	12.5	12.5	12.5

Soil Description of Plot

Town Amherst

X

lot 2 High Point Drive

Town Amherst

lot 2 High Point Drive

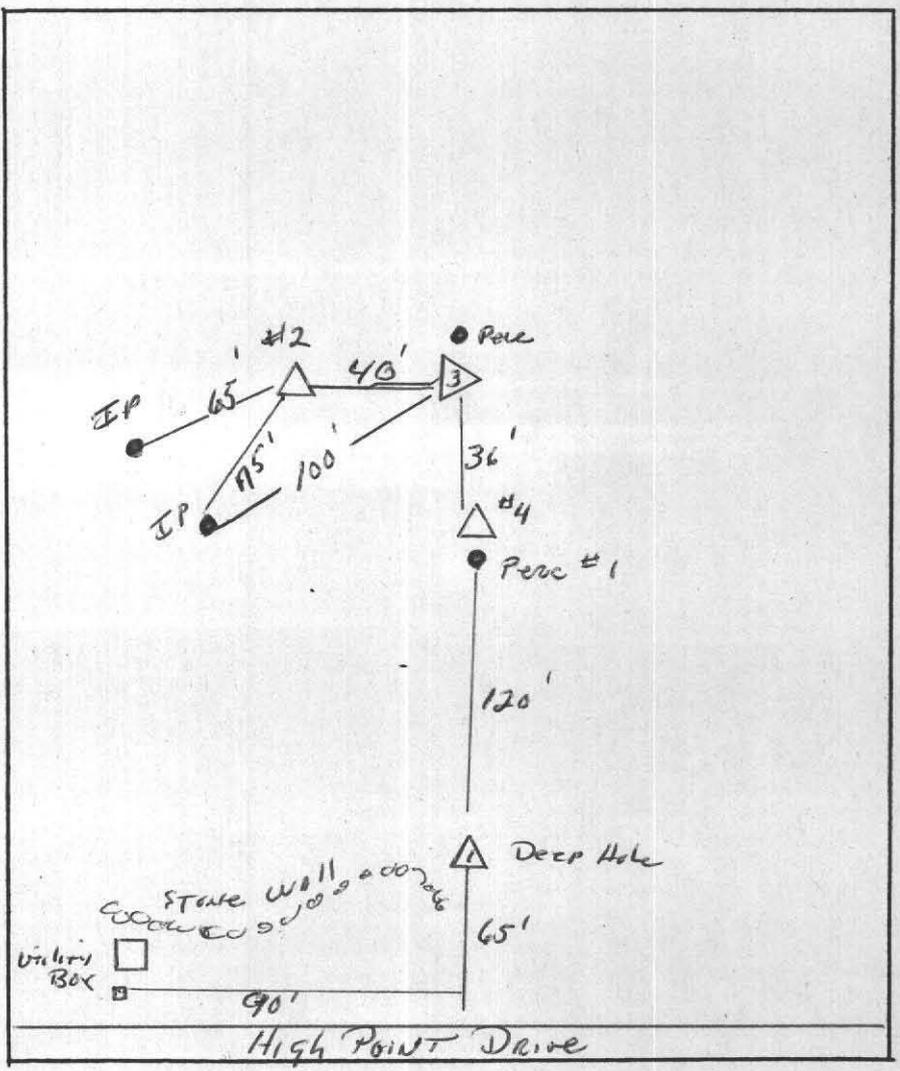
CH # 342  
 PL 100.00  
 Sunwood Builders  
 Shaul Perry

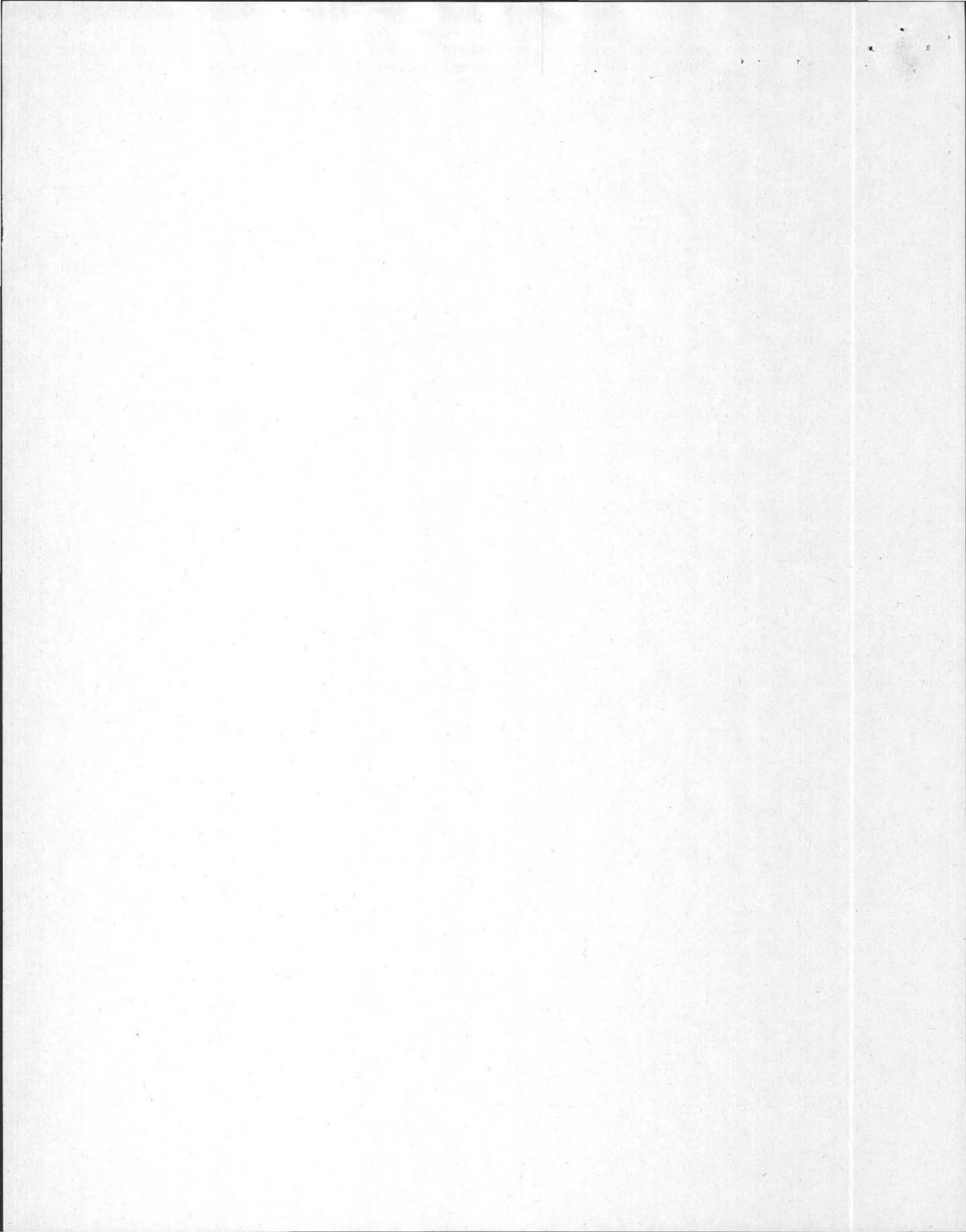
PERC TEST DATA SHEET

DATE 5/11/94 LOCATION High Point Drive (Lot 7) LOT SIZE \_\_\_\_\_  
 OWNER Jeff Croustey ADDRESS Amity Place TELE # \_\_\_\_\_  
 P.E./RS Robert Stoen FIRM Filig's Eng OBSERVED BY David Zarovnik  
 BACK HOE OPERATOR Edward Stone TELE \_\_\_\_\_ BENCH MARK \_\_\_\_\_

PERC DEPTH	PRE SOAK TIME	PERC DEPTH	PRE SOAK TIME
65" 9:56	10:30	58" 10:10	9:53
12" 10:03	10:43	12" 10:19	11:01
11" 10:09	10:59	11" 10:33	11:15
10" 10:20		10" 10:44	11:33
8" 10:30		9" 10:44	
RATE 3" in 39 MIN 13 (15)		RATE 3" in 49 MIN RATE 16 (20)	

#1	#2
TOP 4	TOP 6
SUB 17	SUB 20
Seepage 48" FINE SANDY TILL 80" FIRM w/ DEPTH WATER	Seepage 59" SAME AS #1 98" WATER
#3	#4
TOP 6	TOP 7
SUB 20	SUB 18
Seepage 70" SAME WATER 90"	Same Seepage 80" WATER 112
TOP	TOP
SUB	SUB







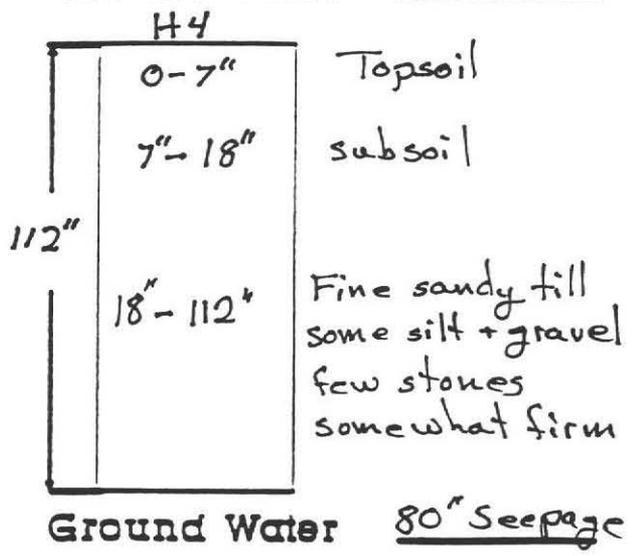
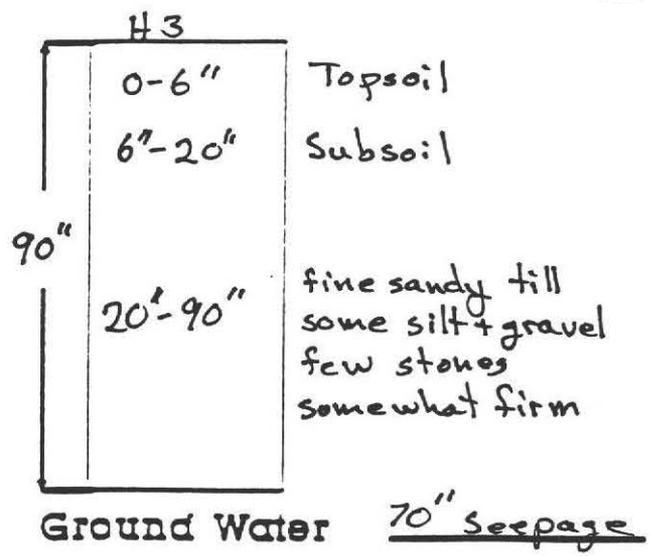
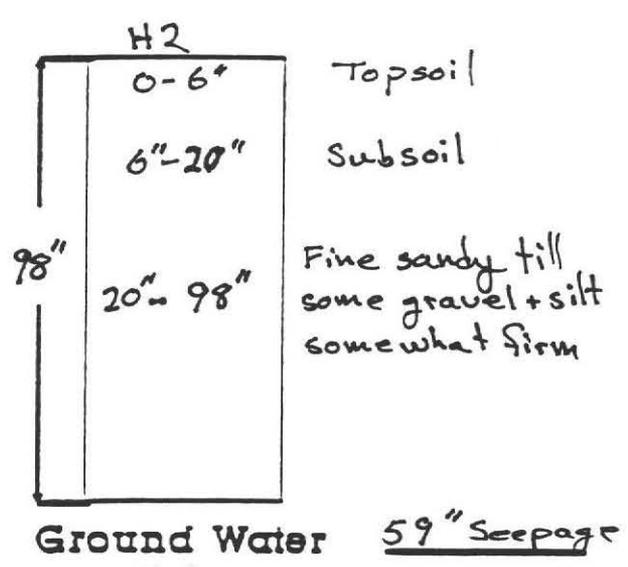
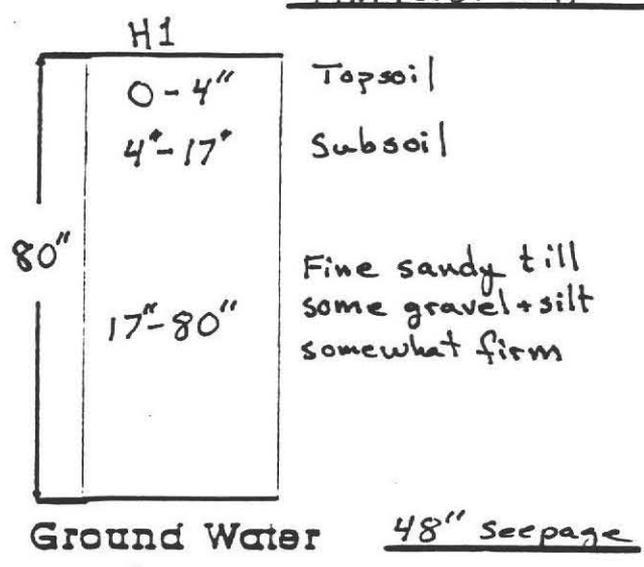
# Deep Soil Logs

## Filios Enterprises, Inc.

69 Pelham Rd., Amherst MA 01002. (413) 256-8008

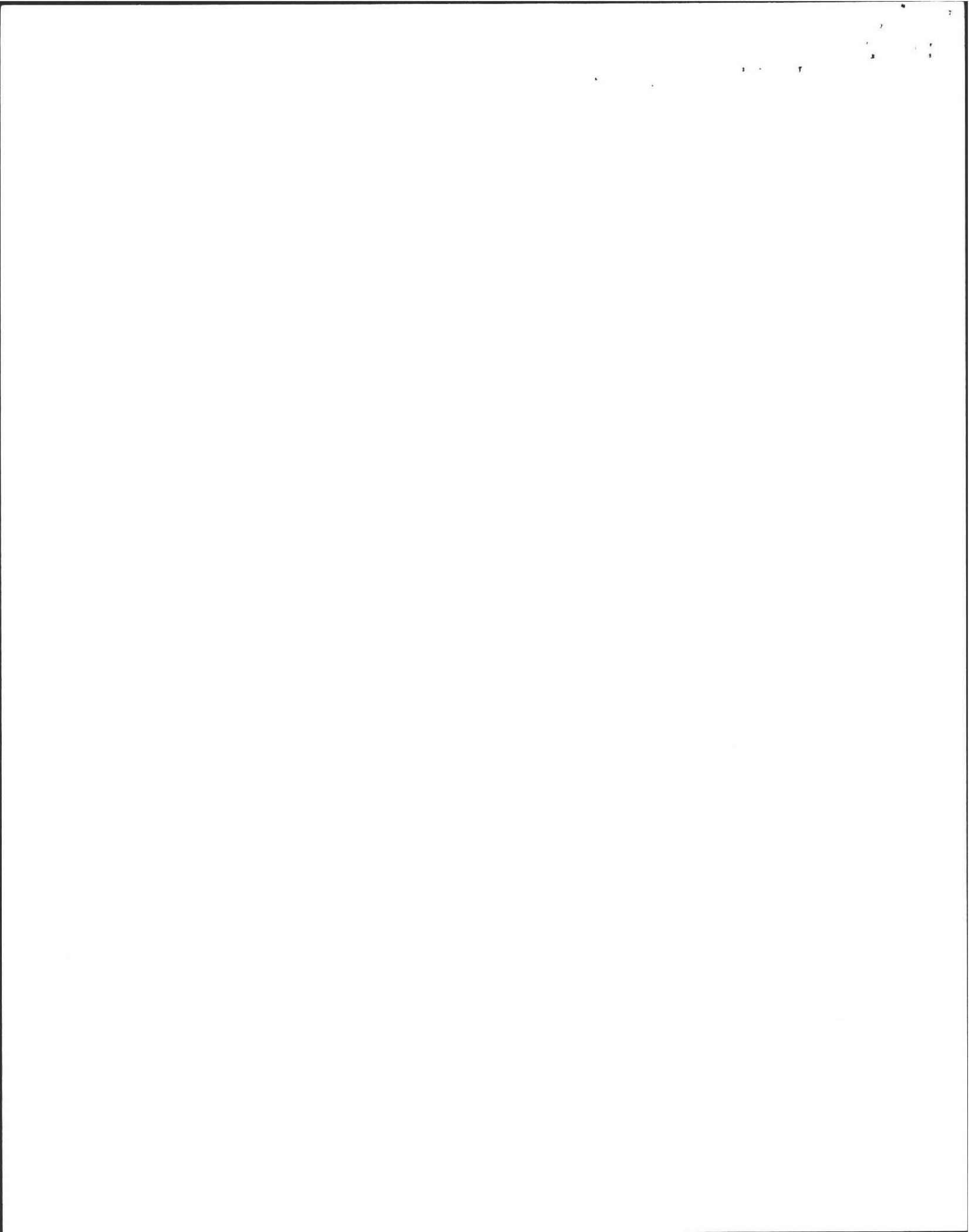
Owner: Jeffrey Crouse  
Location: Lot #7  
High Point Drive  
Amherst MA

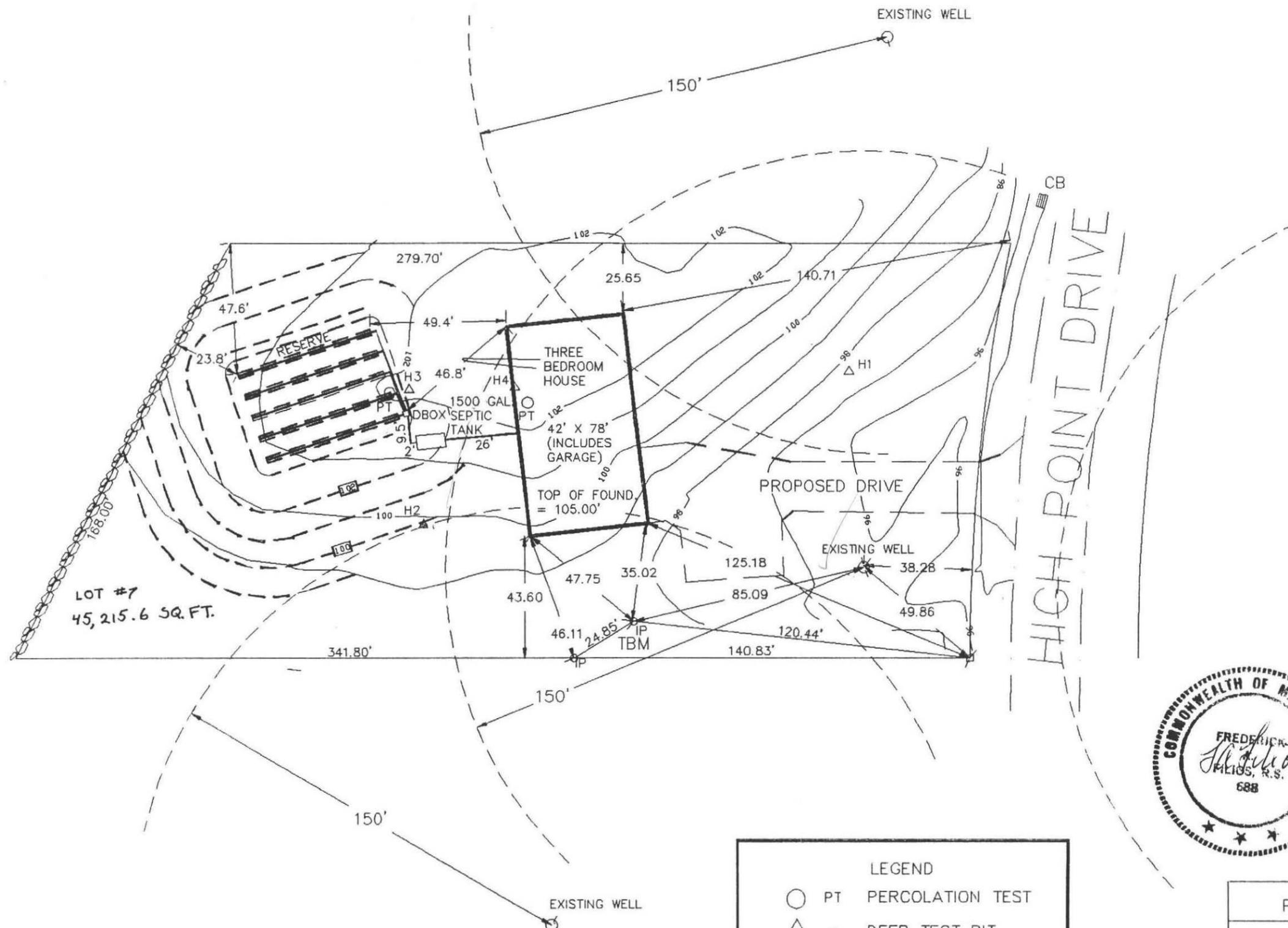
Date: 11 May 1994  
B. of H. David Zarozinski



I Percolation Rate at: 65"  
13 min./inch

II Perc at 58"  
163 min./inch





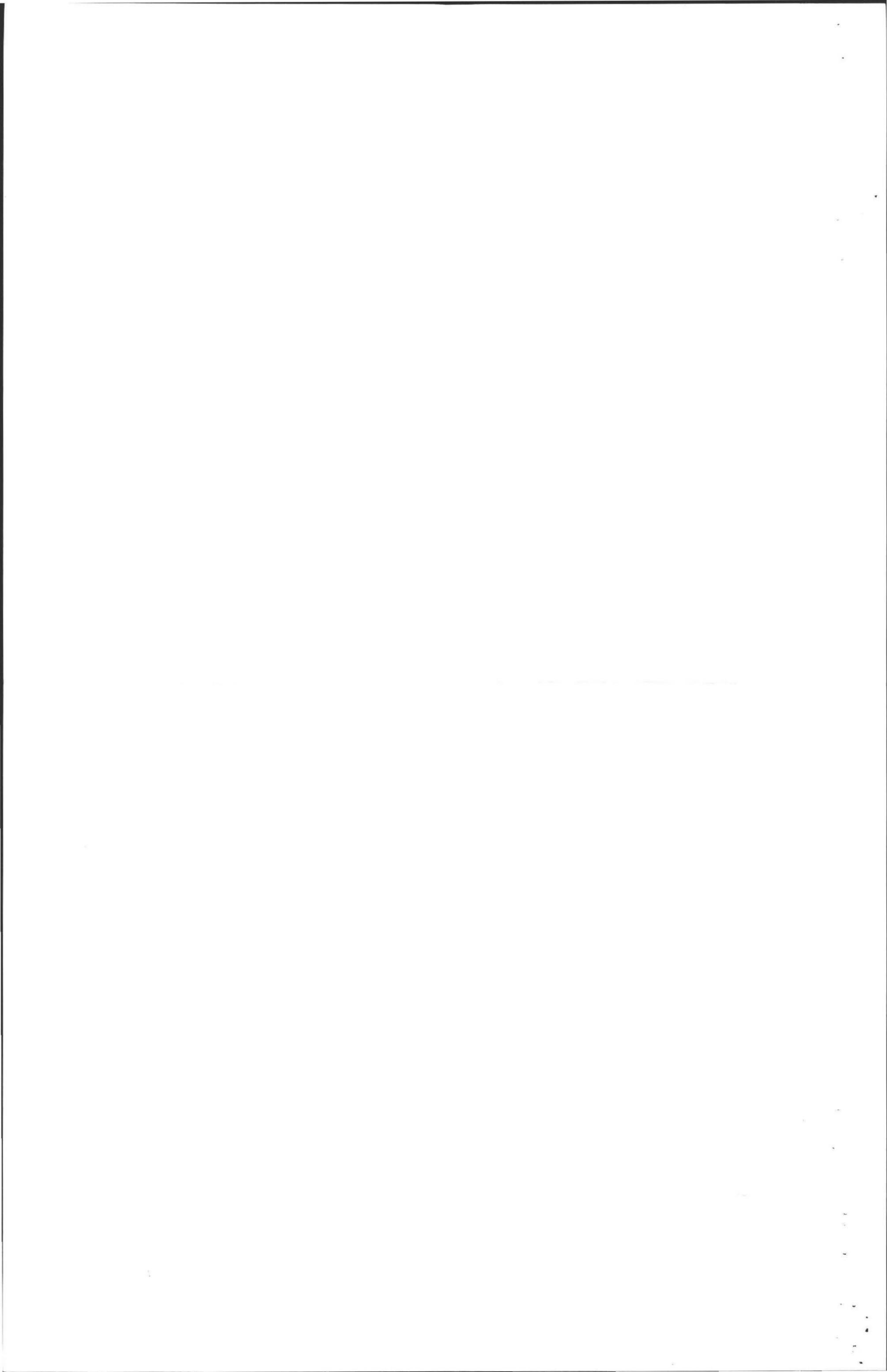
LOT #7  
45,215.6 SQ. FT.

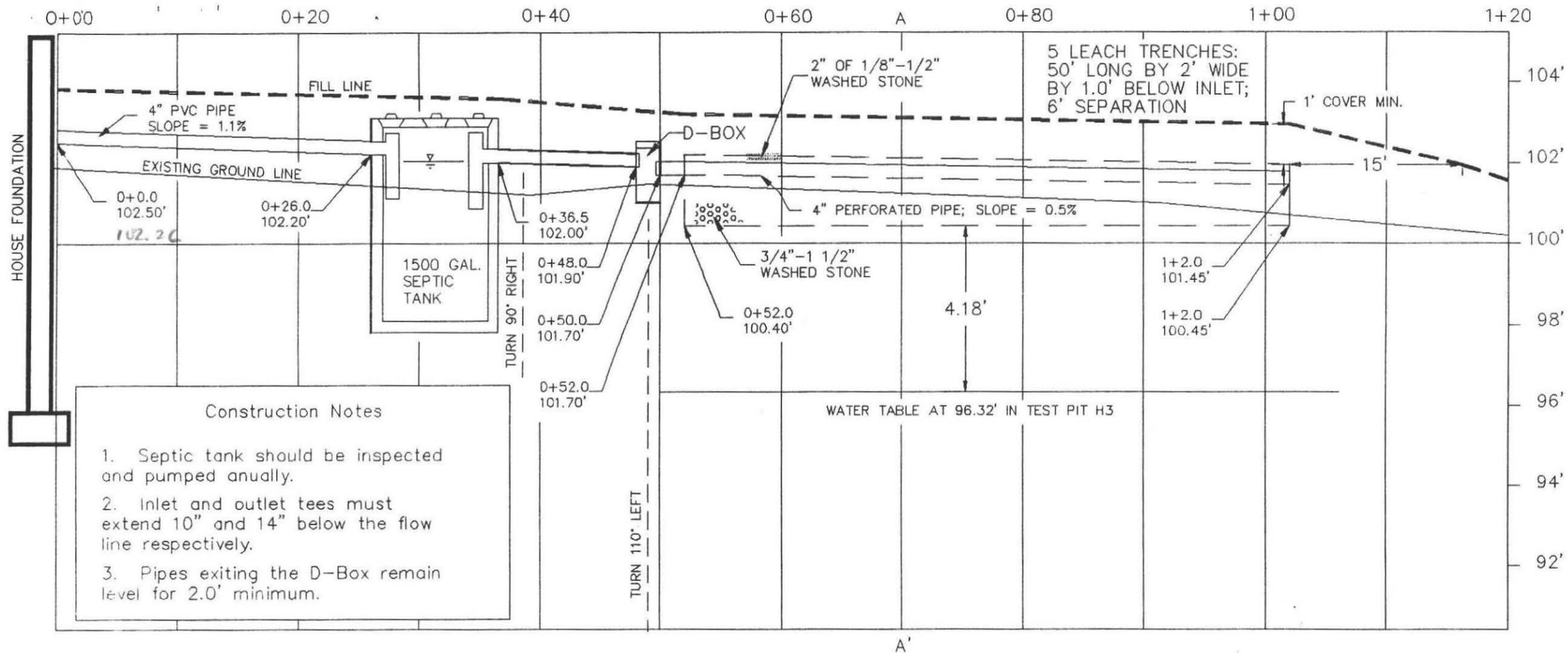


NOTES:  
1. TBM IS TOP OF IRON PROPERTY PIN.  
2. NO OTHER WELLS WITHIN 200' OF THE LEACH AREA AT THE TIME OF SURVEY.

LEGEND	
	PT PERCOLATION TEST
	Hx DEEP TEST PIT
	EXISTING CONTOURS (1' INTERVAL)
	PROPOSED CONTOURS (1' INTERVAL)

PLAN OF SEWAGE DISPOSAL SYSTEM	
AT: LOT #7 HIGH POINT DRIVE, AMHERST, MA	
BY: FILIOS ENTERPRISES, INC. 69 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: JEFFREY CROUSE 21 AMITY PLACE AMHERST, MA 01002
DRAWN BY: P. FILIOS 16 SEPTEMBER, 1994	SCALE: 1" = 40' PAGE 1 OF 2



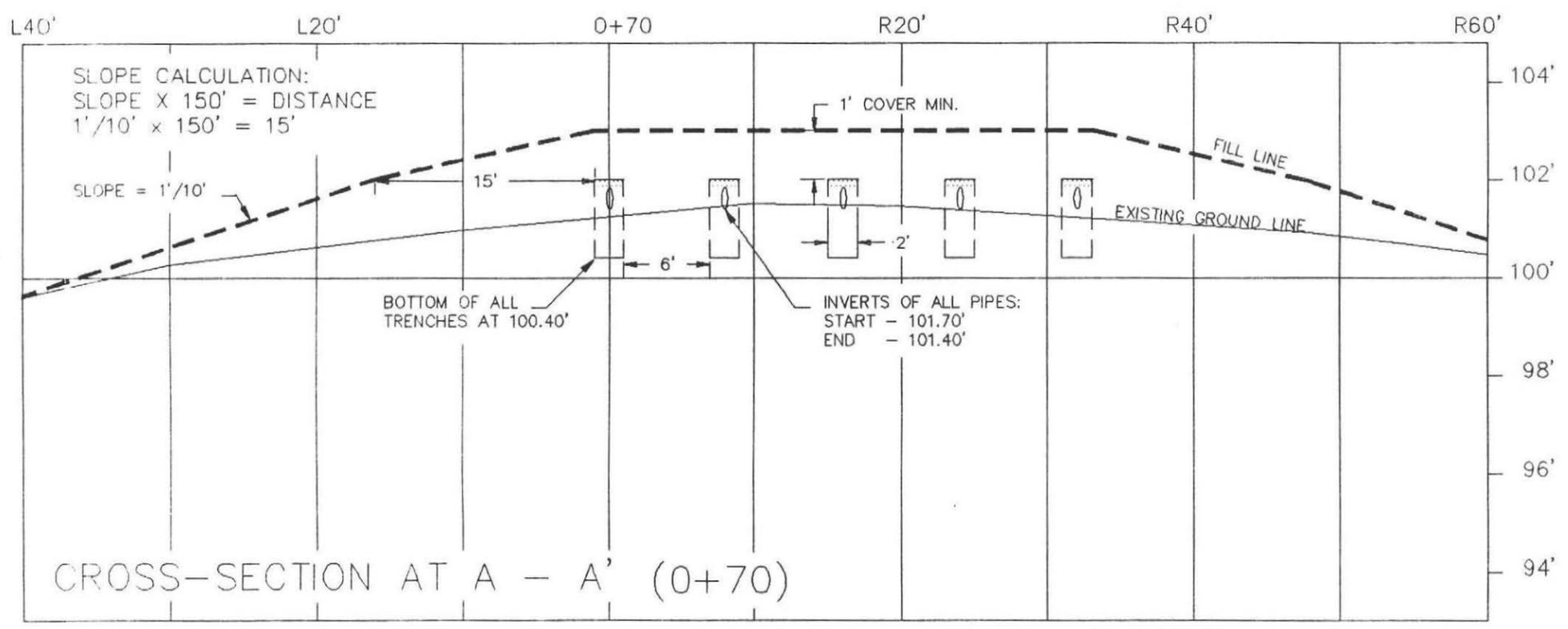


100' Elevation Assumed at TBM. TBM is top of iron property pin as shown on Plan view.

**SPECIFICATIONS**  
ALL MATERIALS AND CONSTRUCTION MUST BE IN ACCORDANCE WITH COMMONWEALTH OF MASSACHUSETTS DEPT. OF ENVIRONMENTAL PROTECTION STATE ENVIRONMENTAL CODE TITLE 5.



- Construction Notes**
1. Septic tank should be inspected and pumped annually.
  2. Inlet and outlet tees must extend 10" and 14" below the flow line respectively.
  3. Pipes exiting the D-Box remain level for 2.0' minimum.



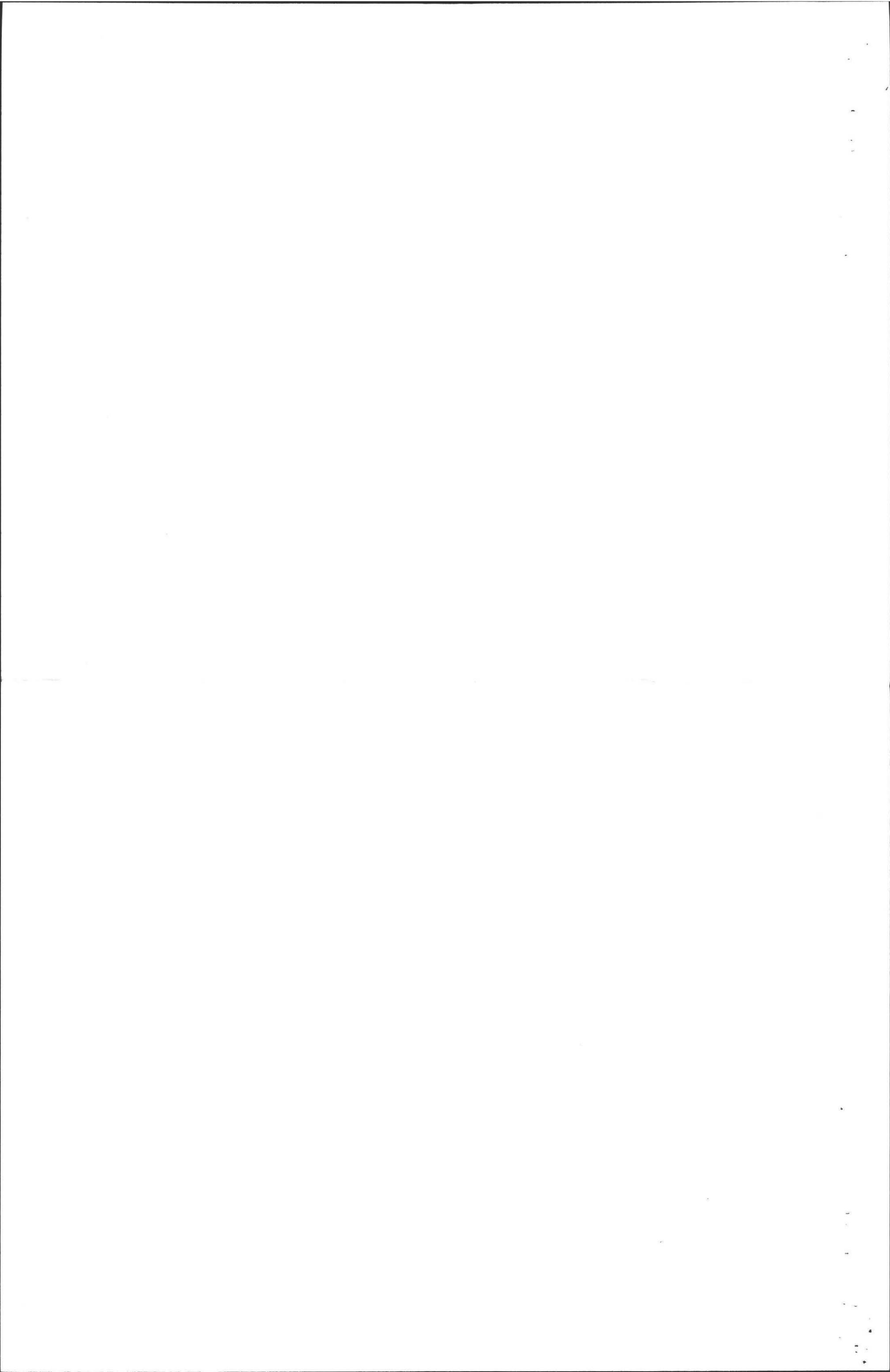
**CALCULATIONS**

REQUIRED: For a 3 bedroom house without a garbage grinder a capacity of 330 X 1.25 (Amherst safety factor) = 412.5 gal./day

DESIGNED: 5 leach trenches 50.0'L X 2.0'W X 1.00' below inlet (effective depth), for a perc rate of 20 min./in., yielding side and bottom loading factors of 0.50 and 0.33 gal./sq.ft. respectively.

SIDEWALL: 10 Sides(50.0' X 1.0')0.50 Gal./Sq.Ft. = 250.0 Gal.  
BOTTOM: 5 Trenches(50.0' X 2.0')0.33 Gal./Sq.Ft. = 165.0 Gal.  
TOTAL = 415.0 Gal.

<b>PROFILE OF SEWAGE DISPOSAL SYSTEM</b>	
AT LOT #7 HIGH POINT DRIVE, AMHERST, MA	
BY: FILIOS ENTERPRISES, INC. 69 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: JEFFREY CROUSE 21 AMITY PLACE AMHERST, MA 01002
DRAWN BY: P. FILIOS 15 SEPTEMBER, 1994	SCALE: 1" = 10' HOR. 3' VER. PAGE 2 OF 2



August 11, 1994

Mr. Jeffrey Crouse  
21 Amity Place  
Amherst Massachusetts 01002

Dear Mr. Crouse:

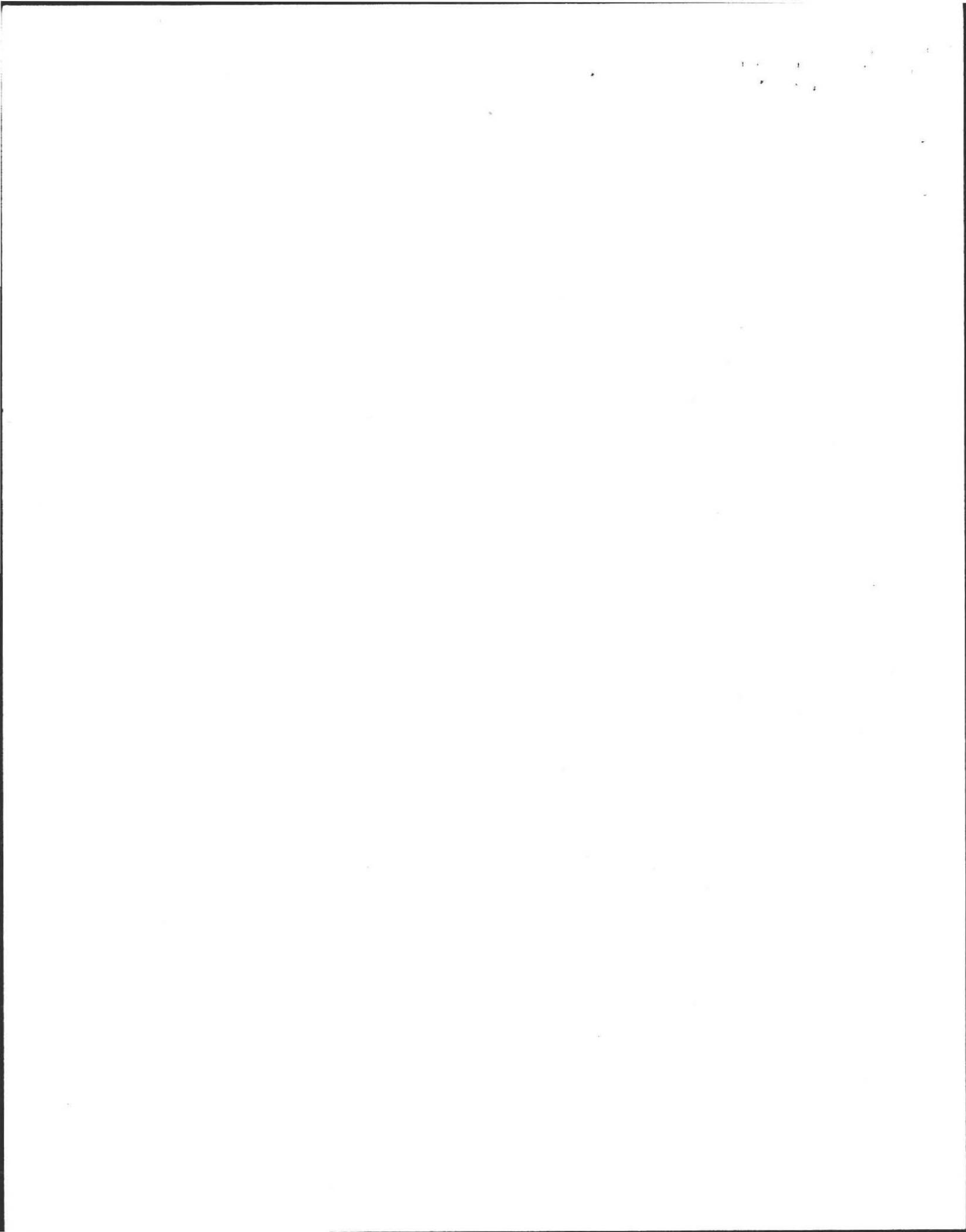
The Amherst Board of Health at their meeting on Wednesday August 10, 1994 voted unanimously to grant your variance request to the Town of Amherst Regulation, Section 4 - Leaching Facilities (six foot [6'] separation from ground water).

The Board added the stipulation that you are required to provide a copy of all plans, documents, etc., submitted to the Amherst Health Department, to the property abutter - Mr. David Faytell of High Point Drive.

It is the Board's finding that you have proved that the same degree of environmental protection required under this Title can be achieved without strict application of the particular provision.

Sincerely,

Bettye Anderson Frederic  
Health Director



301 - 8 1994

# Filios Enterprises, Inc.

69 Pelham Rd., Amherst, MA 01002 - (413) 256-8008 / FAX (413) 253-7475

July 6, 1994

Amherst Board of Health  
Bangs Community Center  
Boltwood Walk  
Amherst, MA 01002

21 Amity PLACE

Dear Board Members:

I am writing on behalf of Mr. Jeffrey Crouse to request a variance to the Amherst Board of Health requirement that there be six foot of naturally occurring permeable soil above the water table in order to locate a subsurface sewage disposal facility in that location. As can be seen in the attached percolation test report a series of deep observation holes were dug on Mr. Crouse's lot #7 on High Point Drive in two locations (Pits #3 and #4) a four foot separation can be met and these locations also successfully passed a percolation test. The four foot separation meets the Mass State Title 5 requirements.

The deep observation pits reveal that the soils in the area consist of fine sandy glacial tills with some gravel and silt. The percolation rates obtained were in one case 13 minutes per inch and in the other 16 minutes per inch. These soils and the moderate percolation rate are excellent for effluent filtration and treatment. Indeed effluent will take five times as long to percolate through four feet of these soils and reach the water table as it would to percolate through the town requirement of six feet of pure gravel at a percolation rate of 2 minutes per inch. The lot in question and the lots in this area average greater than an acre each and are not located over an aquifer. Therefore a septic system on this lot does not represent an excessive load on the local topography and will not threaten neighboring wells if the standard 150' separation is maintained. I do not believe there is any risk to the Public Health embodied in the granting of a variance for this lot.

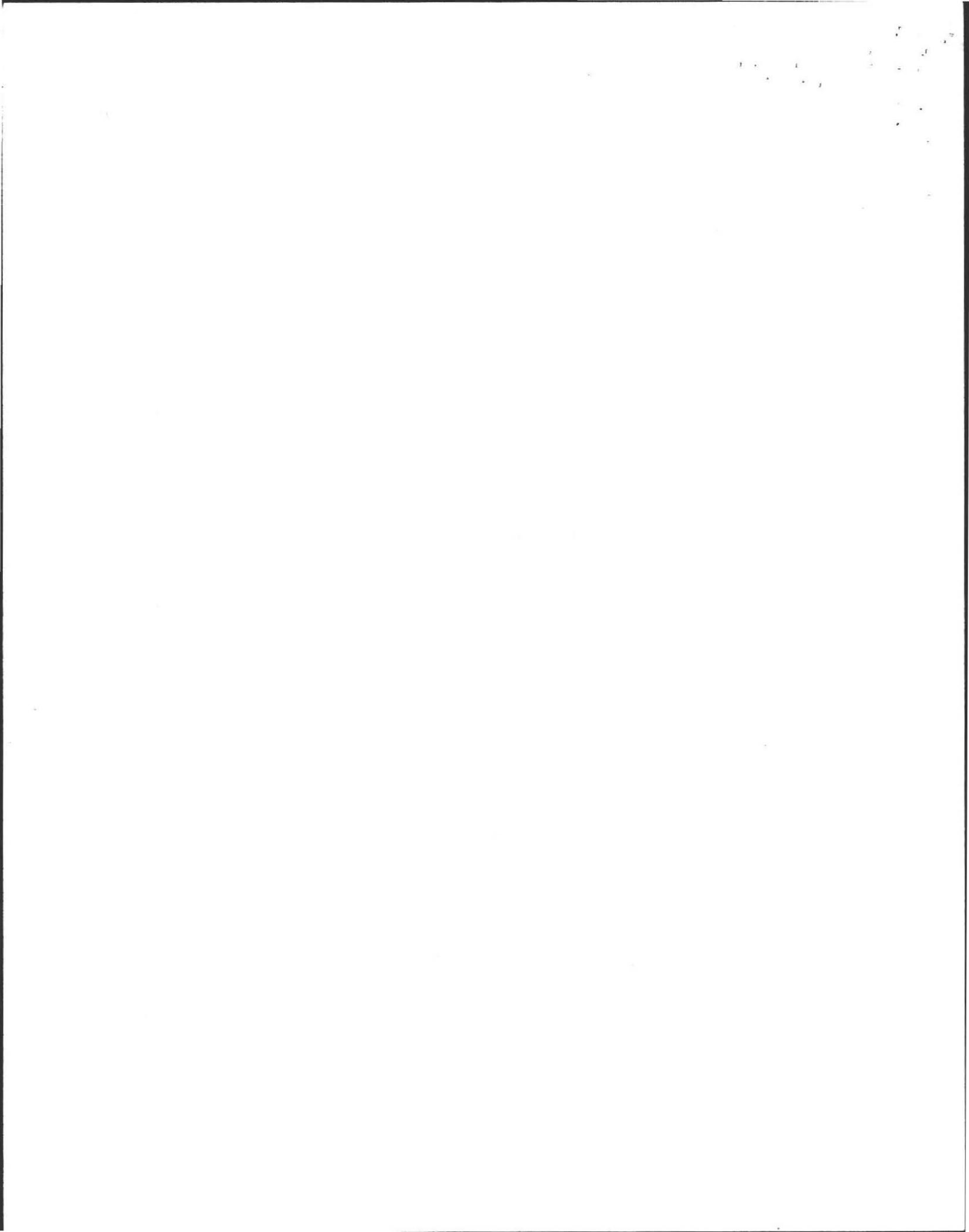
Mr. Crouse has been paying taxes on this lot as a building lot since 1983, before the current regulations were passed, and at the time they were passed was unaware of the impact the new regulations would have on his property. If a variance is not granted this lot becomes unbuildable.

Request a variance be granted to allow Mr. Crouse to build a single family dwelling and septic system on this lot with a separation of four foot of naturally occurring permeable soil above the water table.

Sincerely,



Frederick A. Filios, R.S.



JUL - 8 1994



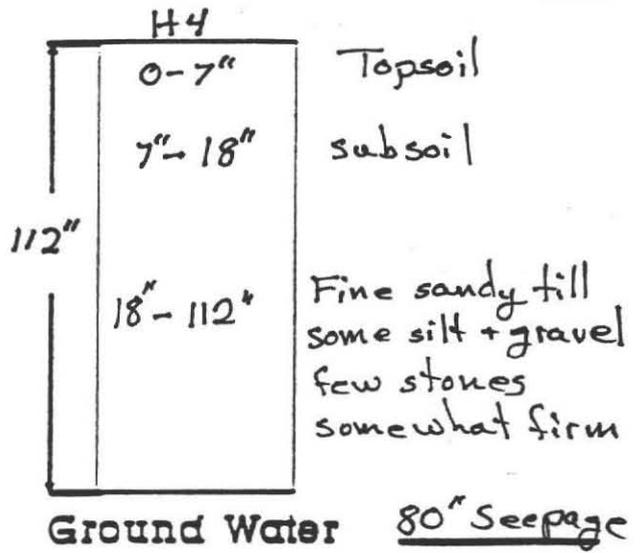
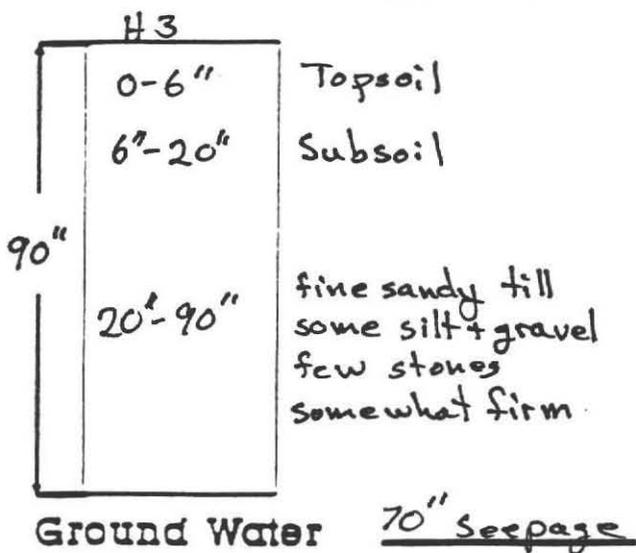
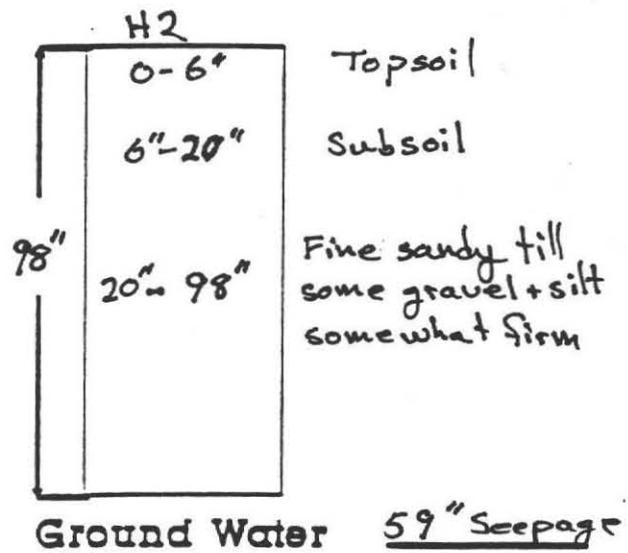
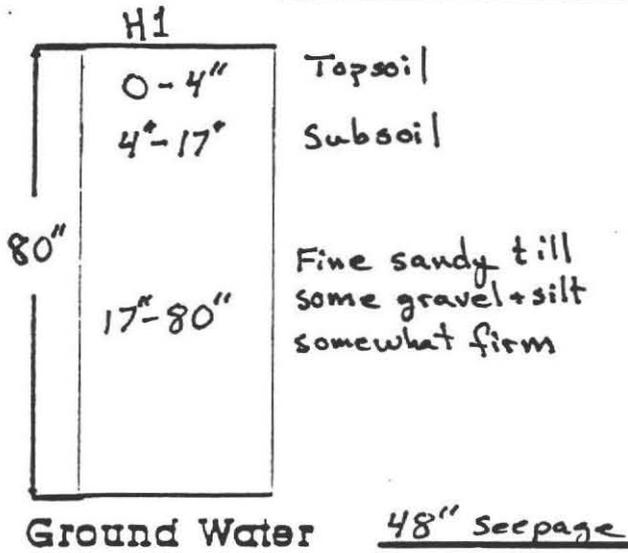
# Deep Soil Logs

Filios Enterprises, Inc.

69 Pelham Rd., Amherst MA 01002. (413) 256-8008

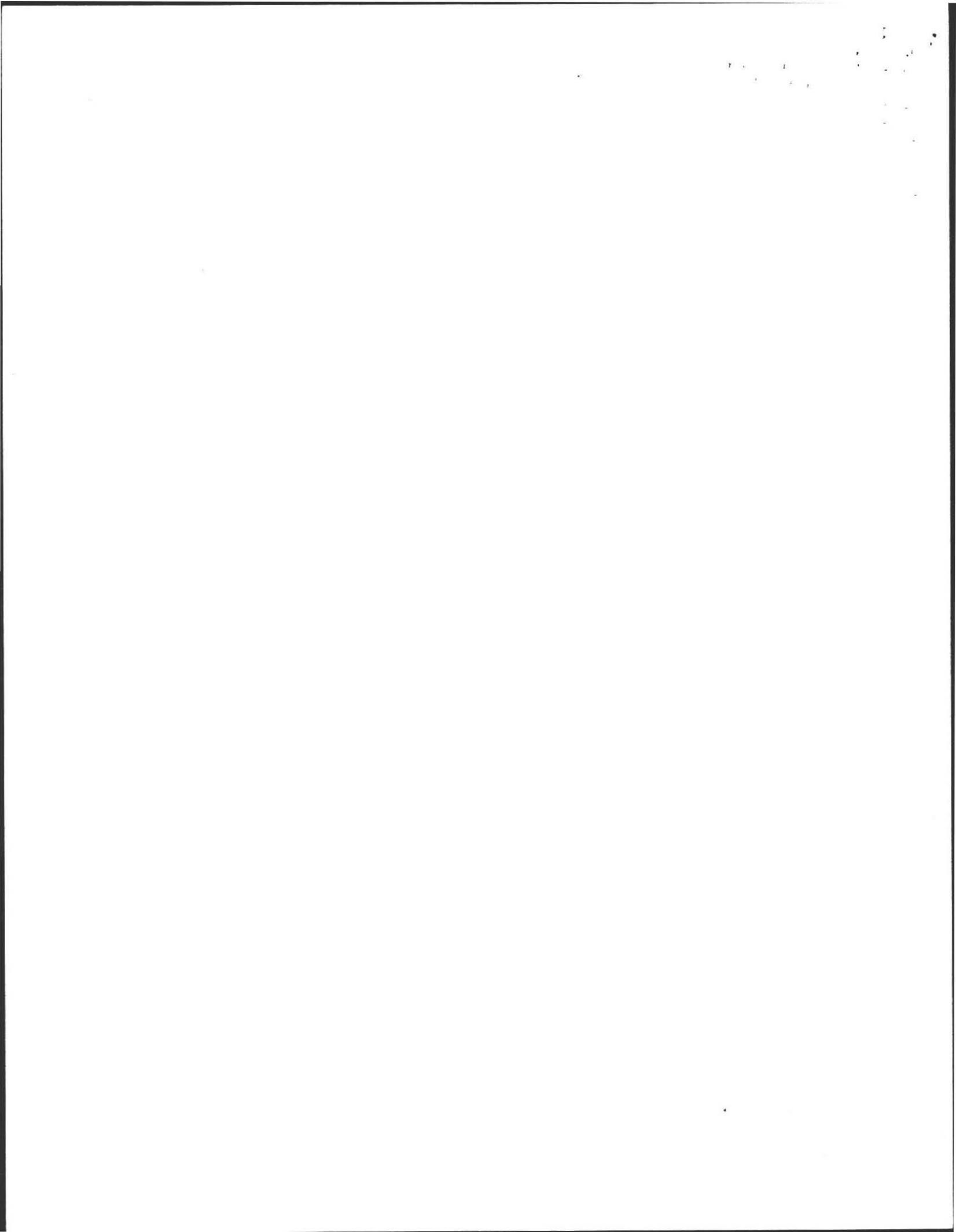
Owner: Jeffrey Crouse  
 Location: Lot #7  
High Point Drive  
Amherst MA

Date: 11 May 1994  
 B. of H. David Zarozinski



I Percolation Rate at: 65"  
13 min./inch

II Perc at 58"  
 16 min./inch



PERC TEST DATA SHEET

CH # 342  
 Pd 100.00  
 Sunwood Builders  
 Shaul Perry  
 LOT SIZE

DATE 5/11/94 LOCATION High Point Drive (Lot 7)  
 OWNER Jeff Crousky ADDRESS Amity Place TELE # \_\_\_\_\_

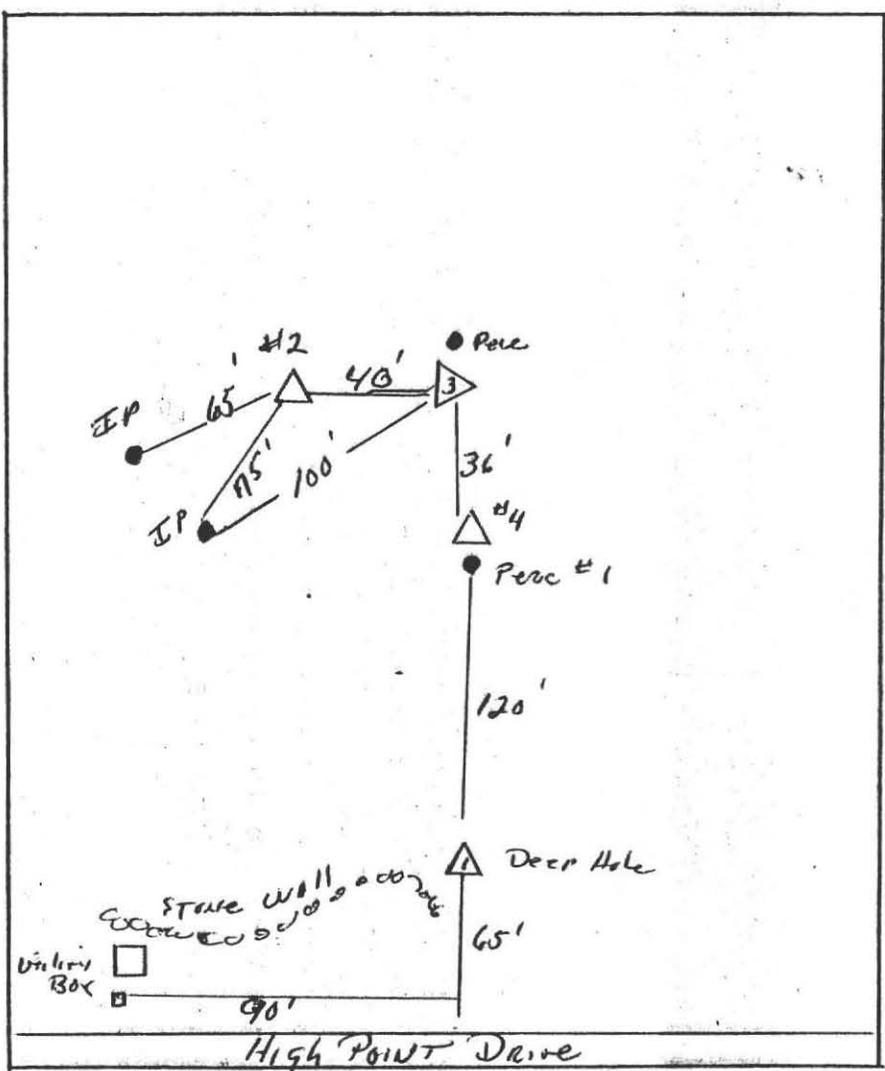
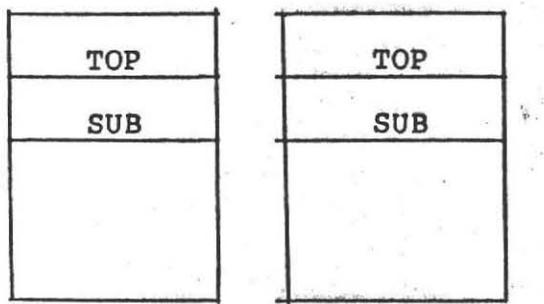
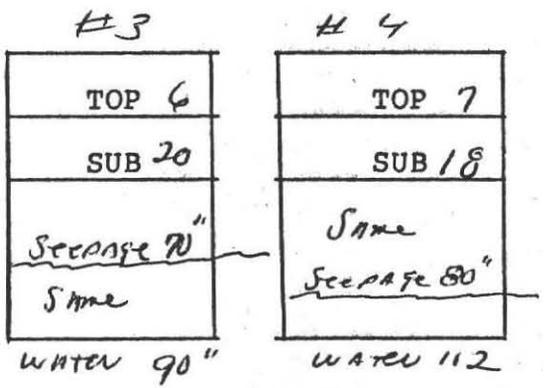
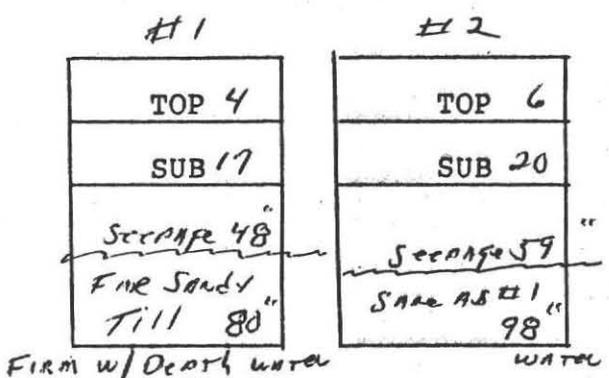
P.E./RS Robert Stoen FIRM Filius Ent OBSERVED BY David Zarovnik

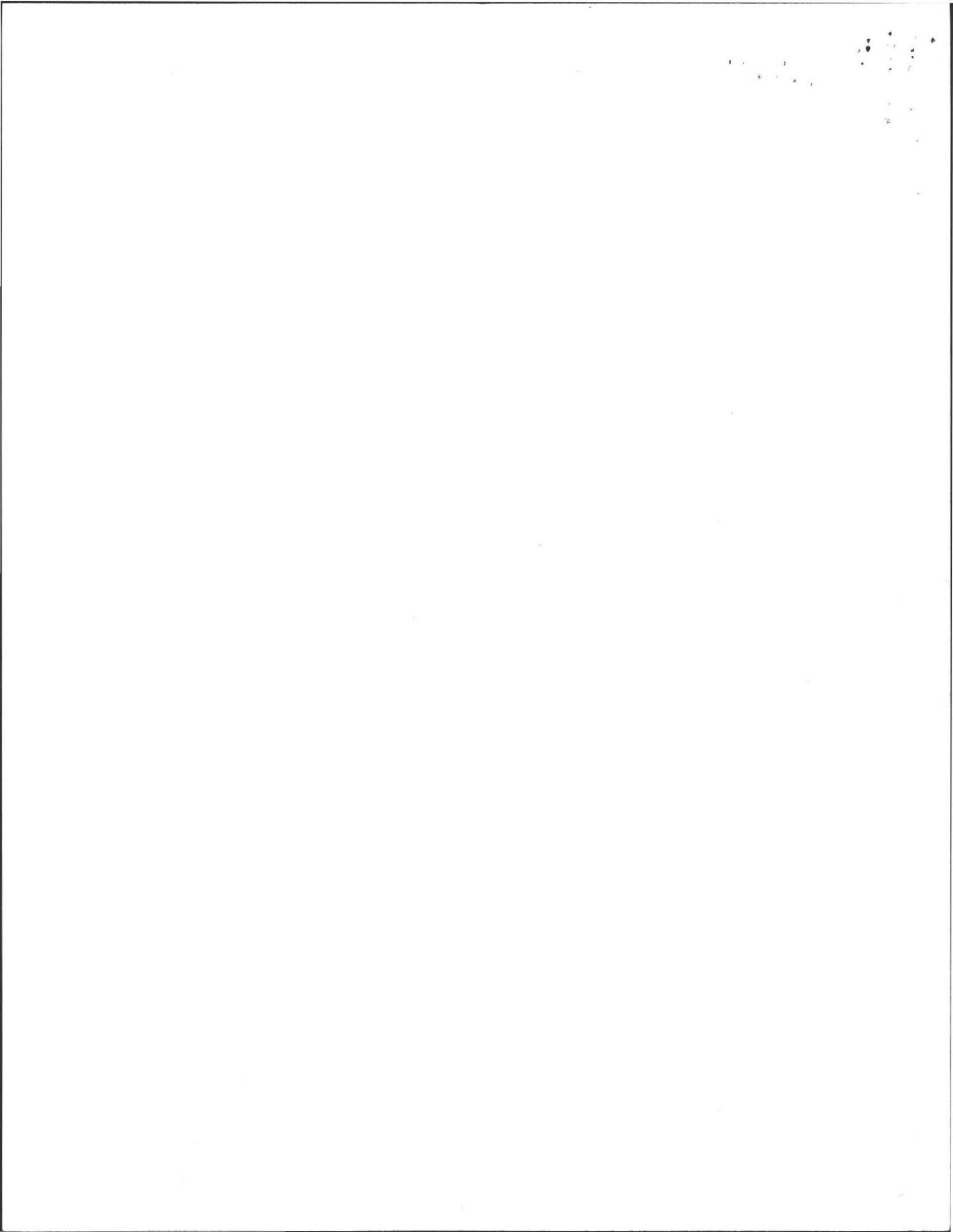
BACK HOE OPERATOR Edward Stone TELE \_\_\_\_\_ BENCH MARK \_\_\_\_\_

PERC DEPTH 65" PRE SOAK TIME 9:34 PERC DEPTH 58" PRE SOAK TIME 9:53

TEST	<u>9:56</u>	<u>12"</u>	<u>10:30</u>	<u>8"</u>	<u>12"</u>	<u>10:10</u>	<u>8"</u>	<u>11:01</u>
	<u>10:03</u>	<u>11"</u>	<u>10:43</u>	<u>7"</u>	<u>11"</u>	<u>10:19</u>	<u>7"</u>	<u>11:15</u>
	<u>10:09</u>	<u>10"</u>	<u>10:59</u>	<u>6"</u>	<u>10"</u>	<u>10:33</u>	<u>6"</u>	<u>11:33</u>
	<u>10:20</u>	<u>9"</u>			<u>9"</u>	<u>10:44</u>		

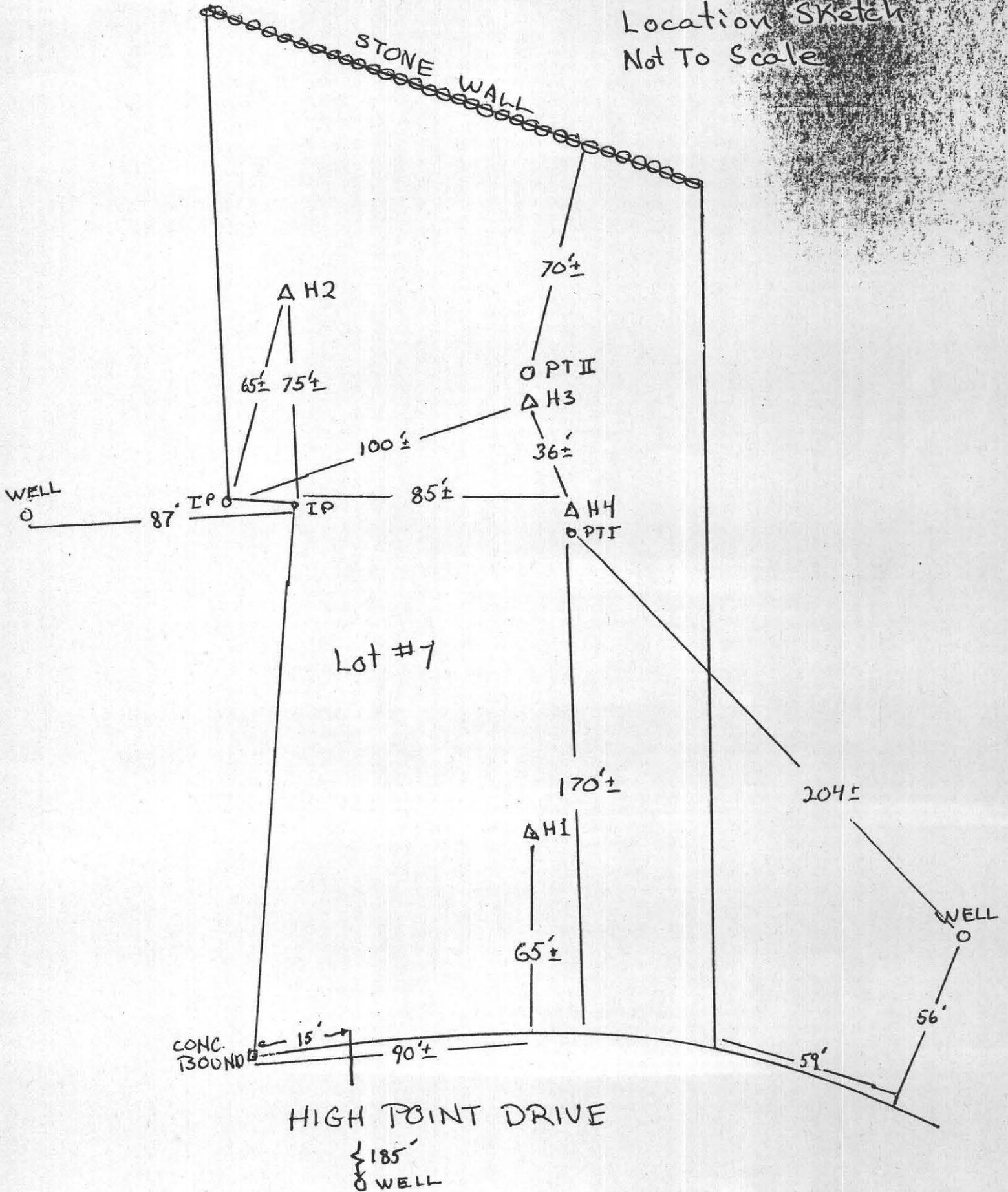
RATE 3" in 39 MIN 13 (15) RATE 3" in 49 MIN RATE 16 (20)

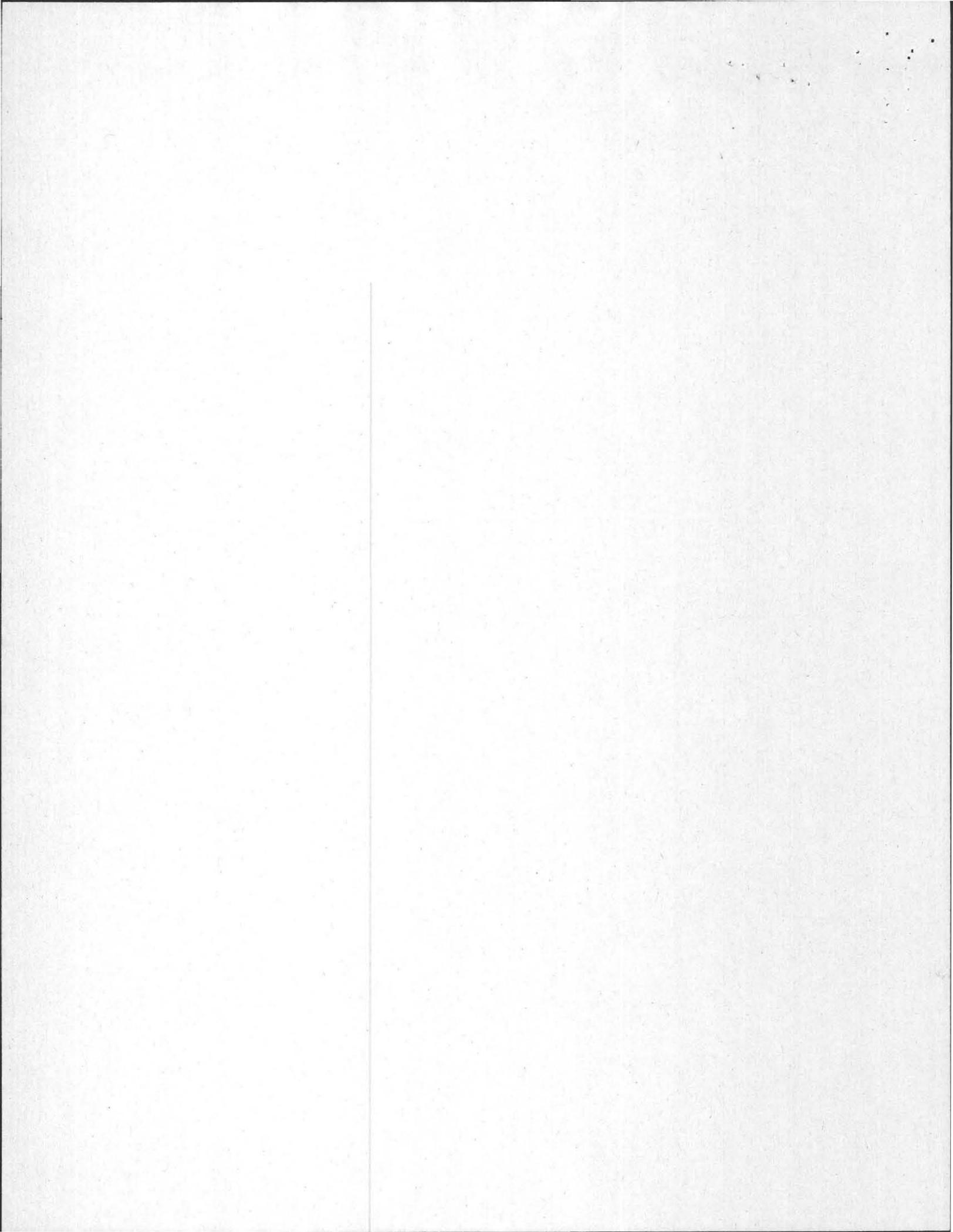




PIPER ENTERPRISES INC.  
63 BELHAM RD.  
AMHERST, MA 01002

11 May 1994  
Percolation Test  
Location Sketch  
Not To Scale





Town of



AMHERST

Massachusetts

Bettye Anderson Frederic, Director

AMHERST HEALTH DEPARTMENT  
70 BOLTWOOD WALK  
AMHERST, MA 01002-2128  
(413) 256-4077

July 6, 1994

To: Bettye Anderson Frederic, Health Director

From: David Zarozinski, Sanitarian

Re: Request for variance to the Town of Amherst six foot (6') separation from ground water.

The Amherst Board of Health Amendments to Title V, Section 4 - Leaching Facilities states:

Ground Water - [reference 15.11 (3), 15.12 (2), 15.13 (2), 15.14 (2), 15.15 (3)]

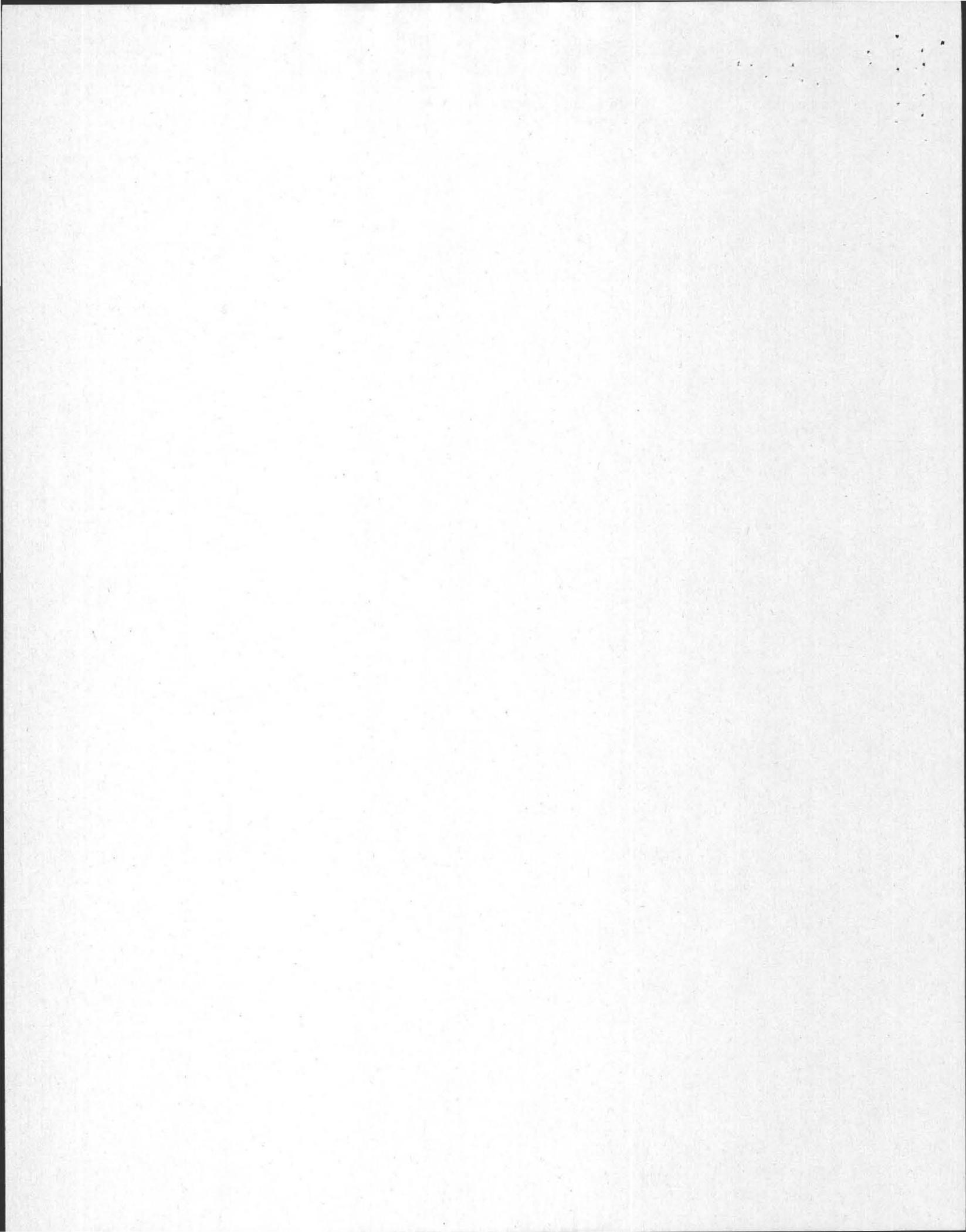
Leaching facilities shall be constructed where the bottom of the leaching facility excavation is a minimum distance of six feet above the maximum groundwater elevation. This requirement shall not apply to existing systems in need of repair or replacement.

On March 11, 1994, a percolation test was conducted on Lot 7, High Point Drive, Amherst, MA for Mr. Jeffrey Crouse by Mr. Robert Stover of Filios Enterprises Inc. and witnessed by me for the Town of Amherst.

The percolation rate was fifteen (15) minutes per inch for deep hole #3 and twenty (20) minutes per inch for deep hole #4. The soils in the area of the test were of fine sandy glacial tills with some gravel and silt.

I would support the granting of the variance because:

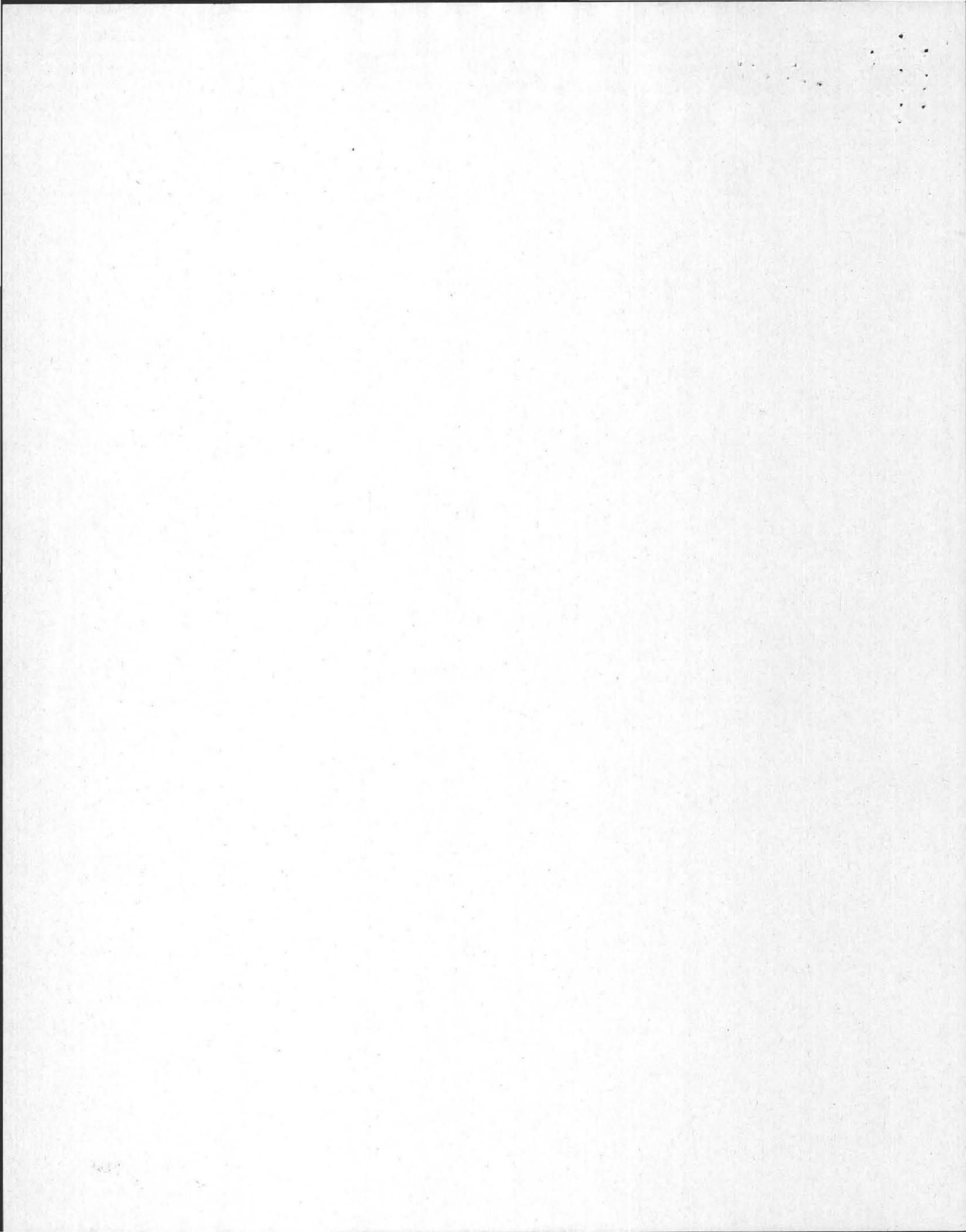
1. The four foot separation meets the Massachusetts Title 5 requirement.
2. The septic system will be twenty five (25) percent larger than State requirement.



3. With the installation of this septic system on the property, it is my opinion that it would not cause a public health nuisance.

However, I would make some stipulations which are as follows:

No garbage grinder is to be installed, and that this septic system plan for this lot must meet all other requirements of the Town of Amherst and the Massachusetts Title 5.



Town of



# AMHERST Massachusetts

BANGS COMMUNITY CENTER  
70 BOLTWOOD WALK  
AMHERST, MA 01002

Phone: (413)256-4057  
FAX: (413)256-4061

### Facsimile Cover Sheet

Please Deliver Immediately To:

Name: DAVID FAYTELL

Company: \_\_\_\_\_

FAX Number: 800 262 7563

From: Amherst Health Dept.

Phone: (413)256-4057

FAX: (413)256-4061

Date: 080194

Total Number of Pages 7 (including cover sheet)

Comments: per your request.

FAX.FRM



# Crouse Abutters (300' radius)

Map	Lot	
3D	21	WD Cows Inc. ✓ <u>134 Montague Rd</u>
6B	31	Seymour + Sara M. Berger ✓ <u>459 Flat Hills Rd</u>
	32	Karen Heinly ✓ <u>443 Flat Hills Rd</u>
	35 } 36 }	Jeffrey Crouse ✓ } <u>24 High Point Dr.</u> }
	38	Nathan L. + Carol K. Rubstein ✓ <u>34 High Point Dr.</u>
	39	Richard J. + Janne F. Talbot ✓ <u>40 High Point Dr.</u>
	77	Eleanor A. Carroll ✓ <u>15 High Point Dr.</u>
	76	Alan R. + Cathrine B. Peterfreund ✓ <u>21 High Point Dr</u>
	75	Russel + Denise Cabral ✓ <u>27 High Point Dr</u>
	74	Paul Plourde ✓ <u>324 Middle St.</u>
	73	James W. + Barbara L. Pistrang ✓ <u>41 High Point Dr.</u>

Jaytell

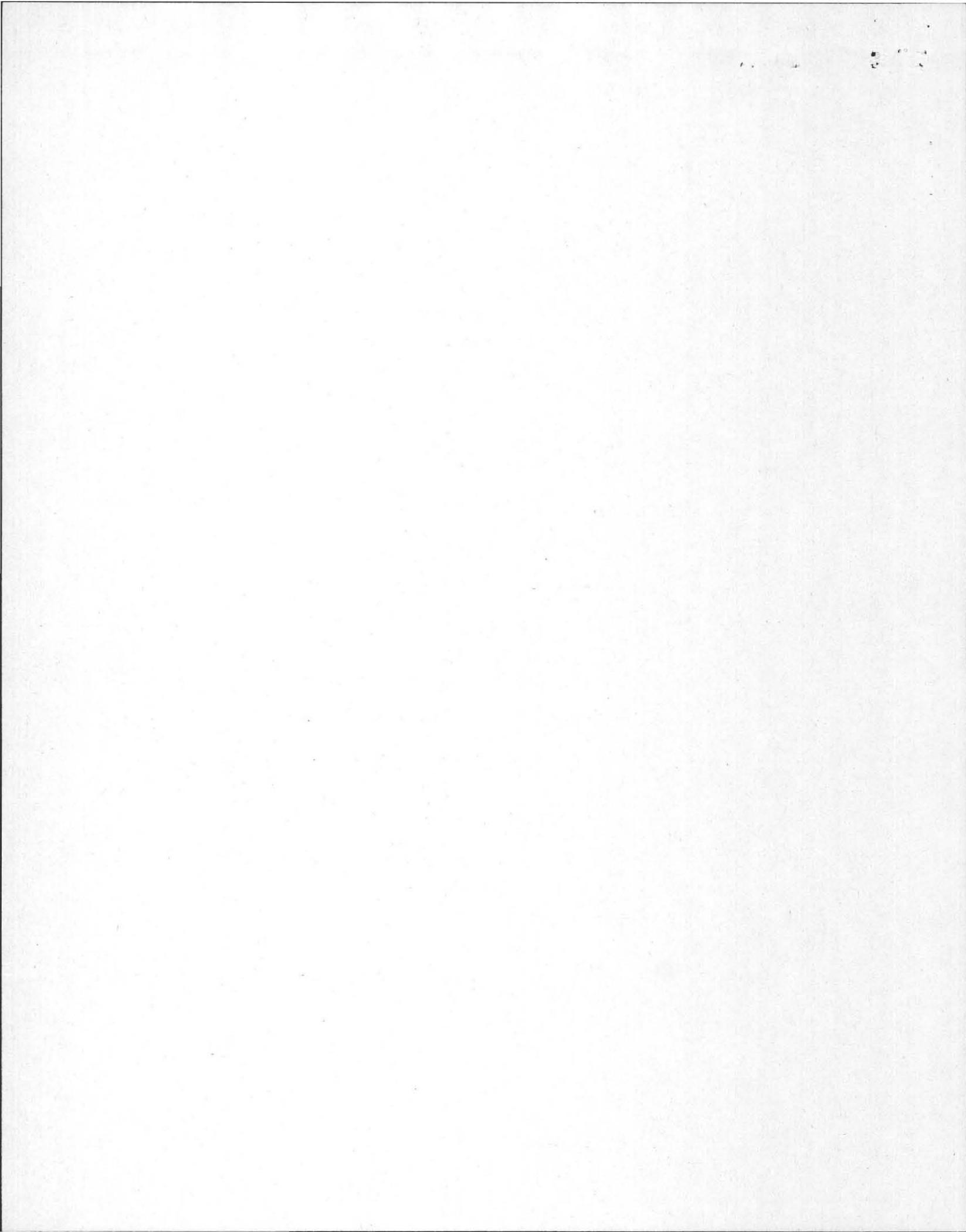
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Dave,

These are the certified  
mail receipts for the  
Crouse abbutters

Paul F.



Map 6-B Lots 35 + 36

Z 179 124 866



**Receipt for Certified Mail**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

PS Form 3800, March 1993

Sent to <u>Jeffrey Crouse</u> ✓	
Street and No.	
P.O., State and ZIP Code	
Postage	\$ 1.29
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$ 1.29
Postmark or Date	

Map 6-B Lot # 73

Z 179 124 865



**Receipt for Certified Mail**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

PS Form 3800, March 1993

Sent to <u>Jame &amp; Barbara Pistrang</u> ✓	
Street and No.	
P.O., State and ZIP Code	
Postage	\$ .29
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$ 1.29
Postmark or Date	

Map 6-B Lot # 74

Z 179 124 864



**Receipt for Certified Mail**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

PS Form 3800, March 1993

Sent to <u>Paul Plourde</u> ✓	
Street and No.	
P.O., State and ZIP Code	
Postage	\$ .29
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$ 1.29
Postmark or Date	

Map 3 D Lot # 21

Z 179 124 856 ✓



**Receipt for Certified Mail**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

PS Form 3800, March 1993

Sent to <u>WD-Cowls Inc</u> ✓	
Street and No.	
P.O., State and ZIP Code	
Postage	\$ .29
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$ 1.29
Postmark or Date	

Map 6-B Lot # 31

Z 179 124 857

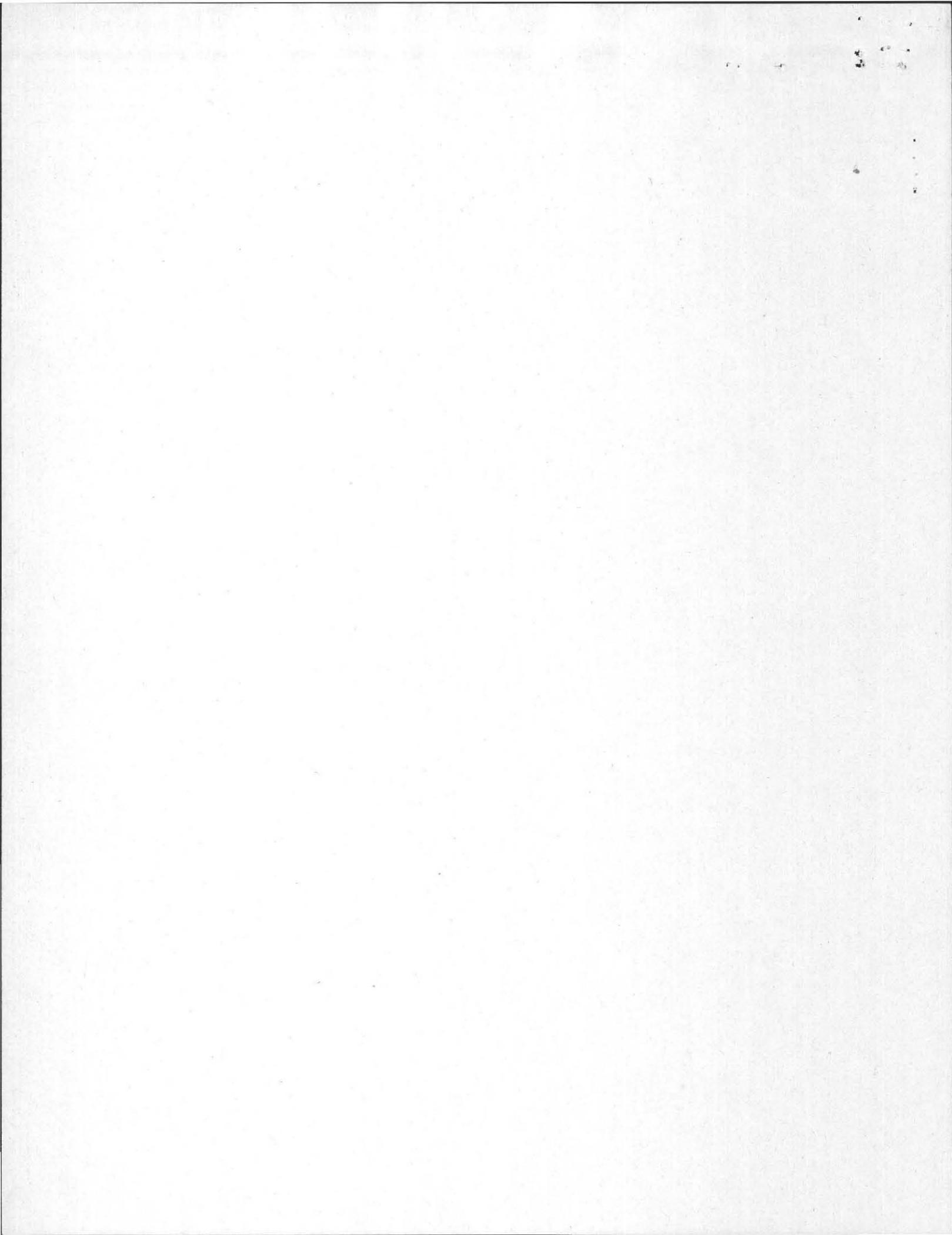


**Receipt for Certified Mail**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

PS Form 3800, March 1993

Sent to <u>Seymour + Sara Berger</u> ✓	
Street and No.	
P.O., State and ZIP Code	
Postage	\$ .29
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$ 1.29
Postmark or Date	



Map 6-B Lot 39  
Z 179 124 860



**Receipt for Certified Mail**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Sent to <i>Richard + Jeanne Talbot</i>	
Street and No.	
P.O., State and ZIP Code	
Postage	\$ .29
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	<i>JUL 15 1994 \$1.29</i>
Postmark or Date	<i>JUL 15 1994</i>

Lot 6-B Lot #38  
Z 179 124 859



**Receipt for Certified Mail**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

PS Form 3800, March 1993

Sent to <i>Nathan Rutstey</i>	
Street and No.	
P.O., State and ZIP Code	
Postage	\$ .29
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	<i>JUL 15 1994 \$1.29</i>
Postmark or Date	<i>JUL 15 1994</i>

Lot # 32 Map 6-B  
Z 179 124 858



**Receipt for Certified Mail**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

PS Form 3800, March 1993

Sent to <i>Karen Heinly</i>	
Street and No.	
P.O., State and ZIP Code	
Postage	\$ .29
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	<i>JUL 15 1994 \$1.29</i>
Postmark or Date	<i>JUL 15 1994</i>

Map 6-B Lot #75  
Z 179 124 863



**Receipt for Certified Mail**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Sent to <i>Russel + Denise Cabral</i>	
Street and No.	
P.O., State and ZIP Code	
Postage	\$ .29
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	<i>JUL 15 1994 \$1.00</i>
Postmark or Date	<i>JUL 15 1994</i>

Map 6-B Lot #76  
Z 179 124 862



**Receipt for Certified Mail**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

PS Form 3800, March 1993

Sent to <i>Alan + Catherine Peterfound</i>	
Street and No.	
P.O., State and ZIP Code	
Postage	\$ .29
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	<i>JUL 15 1994 \$1.29</i>
Postmark or Date	<i>JUL 15 1994</i>

Map 6-B Lot #77  
Z 179 124 861



**Receipt for Certified Mail**

No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

PS Form 3800, March 1993

Sent to <i>Eleanor A. Carroll</i>	
Street and No.	
P.O., State and ZIP Code	
Postage	\$ .29
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	<i>JUL 15 1994 \$1.29</i>
Postmark or Date	<i>JUL 15 1994</i>

