

No. 92-8

Pd CK 1231
3/12/92
FEE 100.00
PHWS pd 60.00
CK 1960

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:

38 S. ORCHARD DR. Lot 21
Gilbert Motta Location - Address or Lot No.
627 Windsor Ave, Pittsboro, PA 15221
Owner Address

Installer Address
Type of Building Size Lot 32,793 Sq. feet
Dwelling - No. of Bedrooms 4 Expansion Attic (N) Garbage Grinder (N)
Other - Type of Building RES. No. of persons Showers (N) - Cafeteria (N)
Other fixtures

Design Flow 55 gallons per person per day. Total daily flow (440) 630 gallons.
Septic Tank - Liquid capacity 1000 gallons Length 102' Width 55" Diameter - Depth 64"
Disposal Trench - No. 1 Width 18' Total Length 35' Total leaching area 630 sq. ft.
Seepage Pit No. Diameter Depth below inlet Total leaching area sq. ft.
Other Distribution box () Dosing tank (N)

Percolation Test Results Performed by Date
Test Pit No. 1 2 minutes per inch Depth of Test Pit #3 Depth to ground water 70"
Test Pit No. 2 2 minutes per inch Depth of Test Pit #4 132" Depth to ground water 70"

Description of Soil Brown fine to medium sand

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 Al E. Weiss Date 4/16/92 For Mr. Motta

Application Approved By
Application Disapproved for the following reasons:

Permit No. 92-8 Issued Date



Vol 2 11/16/92
DESIGN CHG
From 4 to 3 Bedrooms

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

38 Orchard Drive Installer
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. 92-8 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 to Construct (X) or Repair () an Individual Sewage Disposal System at No. 38 Orchard Drive

as shown on the application for Disposal Works Construction Permit No. 92-8 Dated

DATE 2/22/92 Carol Jozzini for G. Motta Board of Health

Pd CK 1231
100.00
FEE 3/12/92

CHECK OR FILL IN WHERE APPLICABLE

Application of the
System of
1887

Type of building
Location
Description of the building
The building is a
single story
with a
pitched roof
and is
situated on a
plot of land
of about
1000 sq. ft.

Details of the building
The building is a
single story
with a
pitched roof
and is
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plot of land
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1000 sq. ft.

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1000 sq. ft.

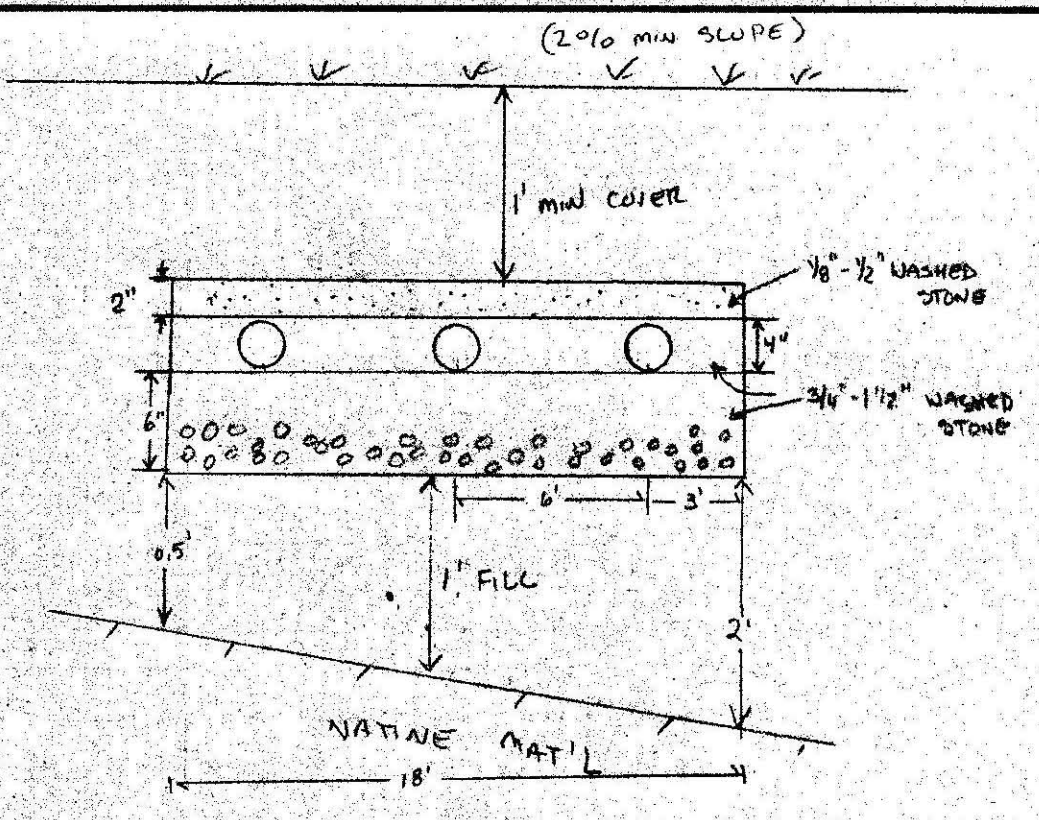
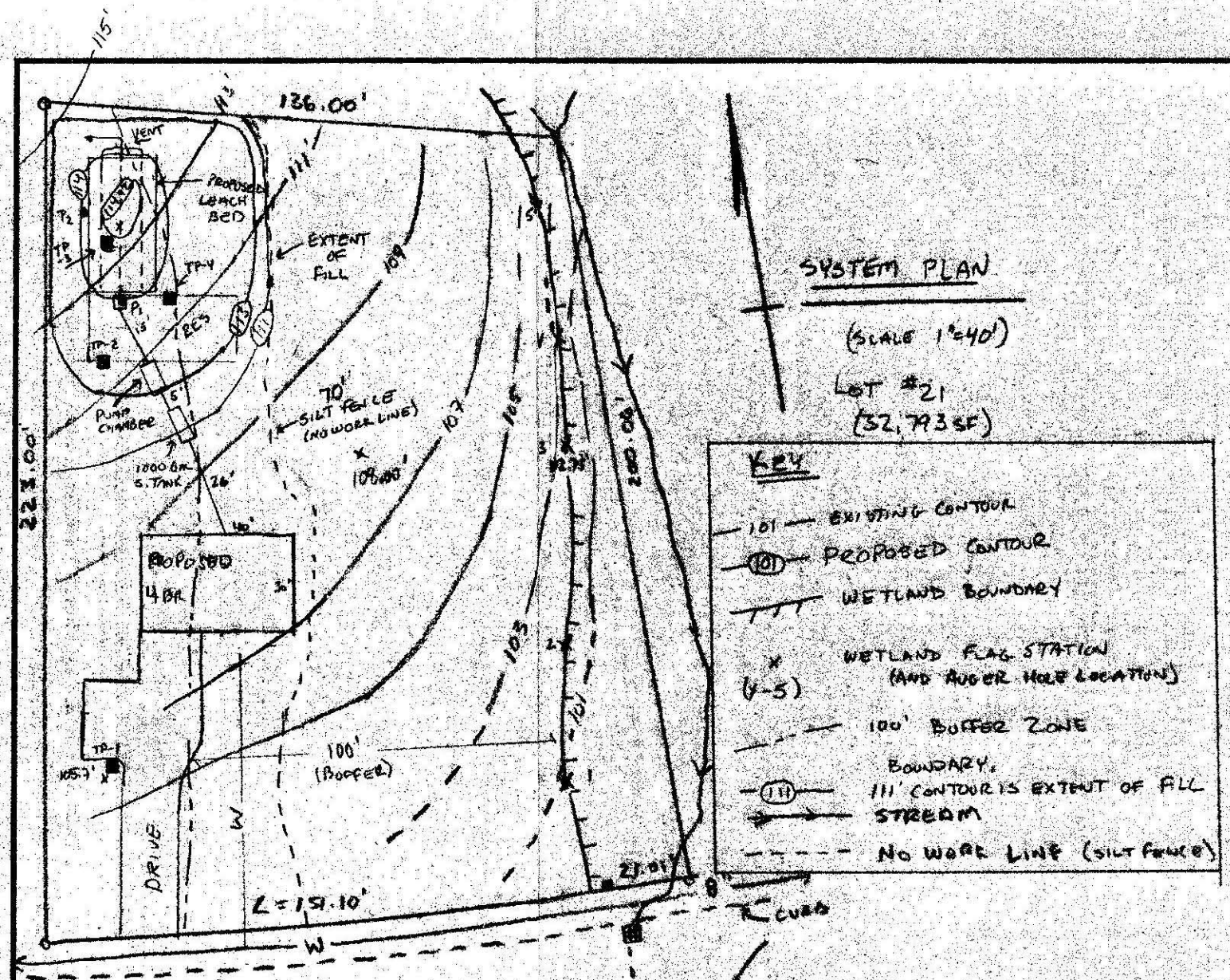
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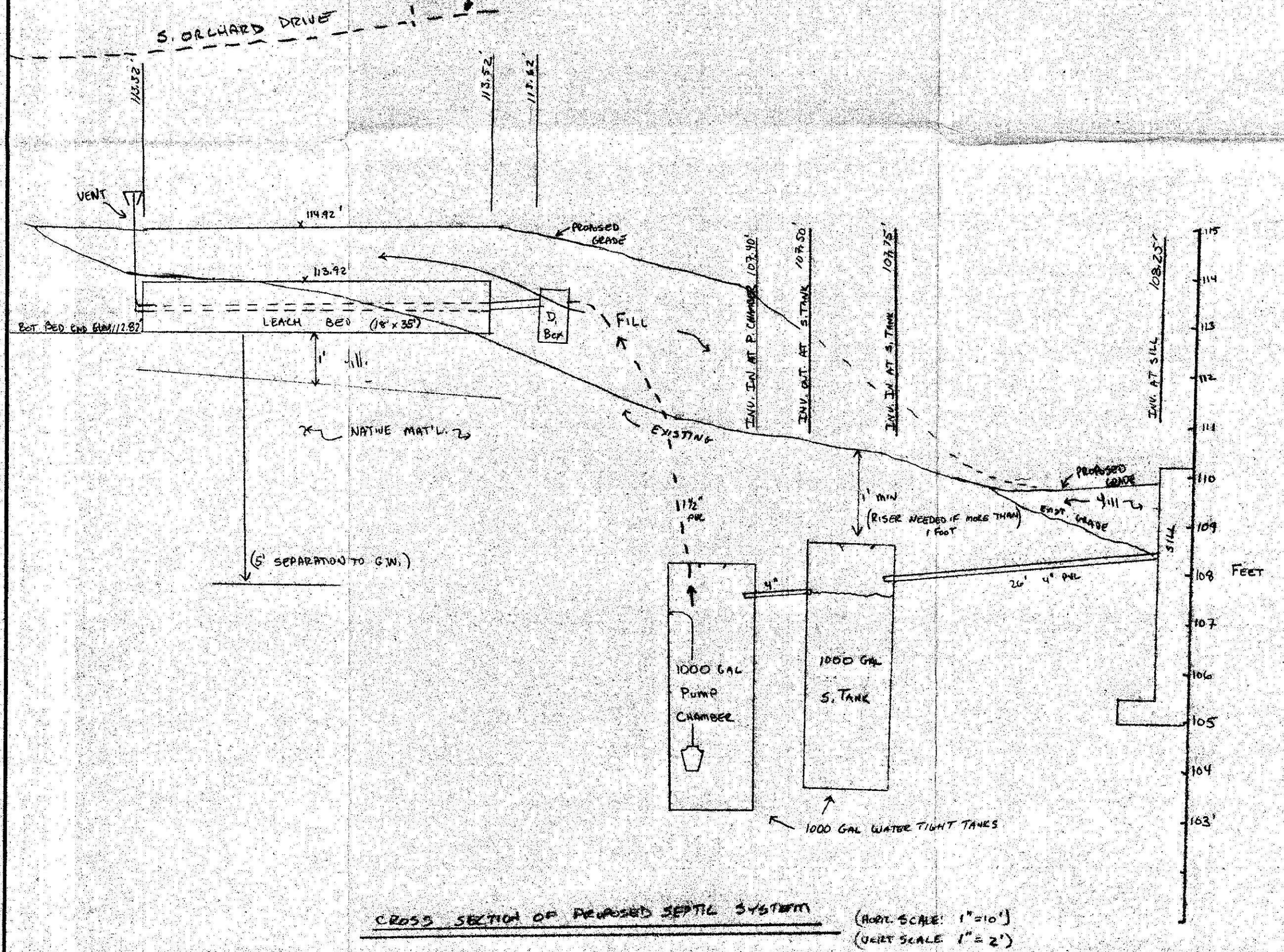
Vertical text on the right margin, possibly a page number or reference.



TEST PIT LOGS

TP-3 (113.75')	MAT'L DESC.	TP-4 (111.62')
0-11"	TOP SOIL	0-6"
11"-22"	SUB-SOIL (BROWN SILTY)	6"-14"
22"-70"	BROWN FINE-MED. SAND, SILTY W/ DEPTH.	14"-72"
H2O at 70"		H2O at 70"
70"+ (CLAY)	V.F. FINE SAND + SILT W/ INTERLAYERED CLAY.	72" > 132"

TP-3 BY P. FELIOS 3/12/12
TP-4 BY A. WEISS 4/1/12



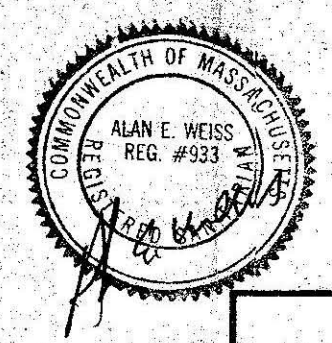
DESIGN NOTES

- DESIGN BASED ON PERC RATE OF 2 MIN/IN, 4/11/12.
 - DESIGN CRITERIA 48" x 110" CAS = 440 x 1.25% = 550 GAL DAY
 - ONE 18' x 35' LEACH BED = 630 SF x 1.25% = 630 GAL DAY
 - ASSUME 3 PIPES 35' LONG, W/ 6' SPACING
 - NO GARIBAGE GRINDER/DISPOSAL ALLOWED.
 - FILL TO BE PLACED IN ACCORDANCE W/ TITLE II + AMHERST RES.
 - SANITARIAN TO INSPECT
 - BEFORE FILL PLACEMENT
 - BEFORE STONE PLACEMENT
 - FINAL INSPECTION.
 - OUTLET PIPES FROM D. BOX TO BE LEVEL AT LEAST 2'
 - NO WELLS WITHIN 100'. ALL AREA SERVED BY PUBLIC WATER
 - SYSTEM REQUIRES PUMP (6000 550' 1000 GAL CHAMBER W/ ALARMS.
 - SYSTEM EXCEEDS REQUIREMENTS OF 310 CMR 15.00 (TITLE V).
 - VENT ENDS AT LEACHFIELD, PUMP WITH BACKFLOW VALVE, REQUIRED.
- AMHERST DIO.H. VARIANCE REQUEST

- ONLY 4' OF NATURALLY OCCURRING MAT'L EXISTS (NOT 6')
- SYSTEM IS 95' FROM WETLAND BOUNDARY NOT 100'.
- SYSTEM HAS 5' SEPARATION FROM HIGH GROUNDWATER. (NOT 6').

WETLANDS (CONSERV. COMM.) REQUIREMENTS:

- WORK SUBJECT TO WETLAND REGS AND 310 CMR 10.00 AND APPLICABLE TOWN RULES
- FILE FOR DETERMINATION OF APPLICABILITY (TOWN AND DEP)
- WORK IN BUFFER ZONE INCLUDES NE CORNER OF LEACHFIELD AND APPROX. 1550 SF OF FILL PLACEMENT.
- NO WORK WITHIN 70' OF RESOURCE AREA.
- NO WORK ZONE ESTABLISHED BY SILT FENCE.
- ESTABLISH REGROWTH OF GRASS IMMED. UPON COMPLETION
- TEMPORARY MULLH COVER NECESSARY TO HOLD SOIL.
- LEACH FIELD IS MORE THAN 90' FROM RESOURCE AREA.



Void 11/16/12
Design change
From 3 Bedrooms
to 4 Bedrooms

PROPOSED SEPTIC SYSTEM PLAN
MR. GILBERT MOTTIA LOT 21, ORCHARD DRIVE, AMHERST, MA

SCALE: NOTED	APPROVED BY: AW	DRAWN BY: AW
DATE: 4/16/12		REVISED:
GOLD SPRING ENVIRONMENTAL CONS. INC. BELCHERTOWN, MA		
DRAWING NUMBER		92-181-0407

Town of



AMHERST *Massachusetts*

Bettye Anderson Frederic, Director

AMHERST HEALTH DEPARTMENT
70 BOLTWOOD WALK
AMHERST, MA 01002-2128
(413) 253-7077

July 22, 1992

Mr. Gilbert Mottla
8900 Paddock Lane
Potomac, Md. 20854

Dear Mr. Mottla:

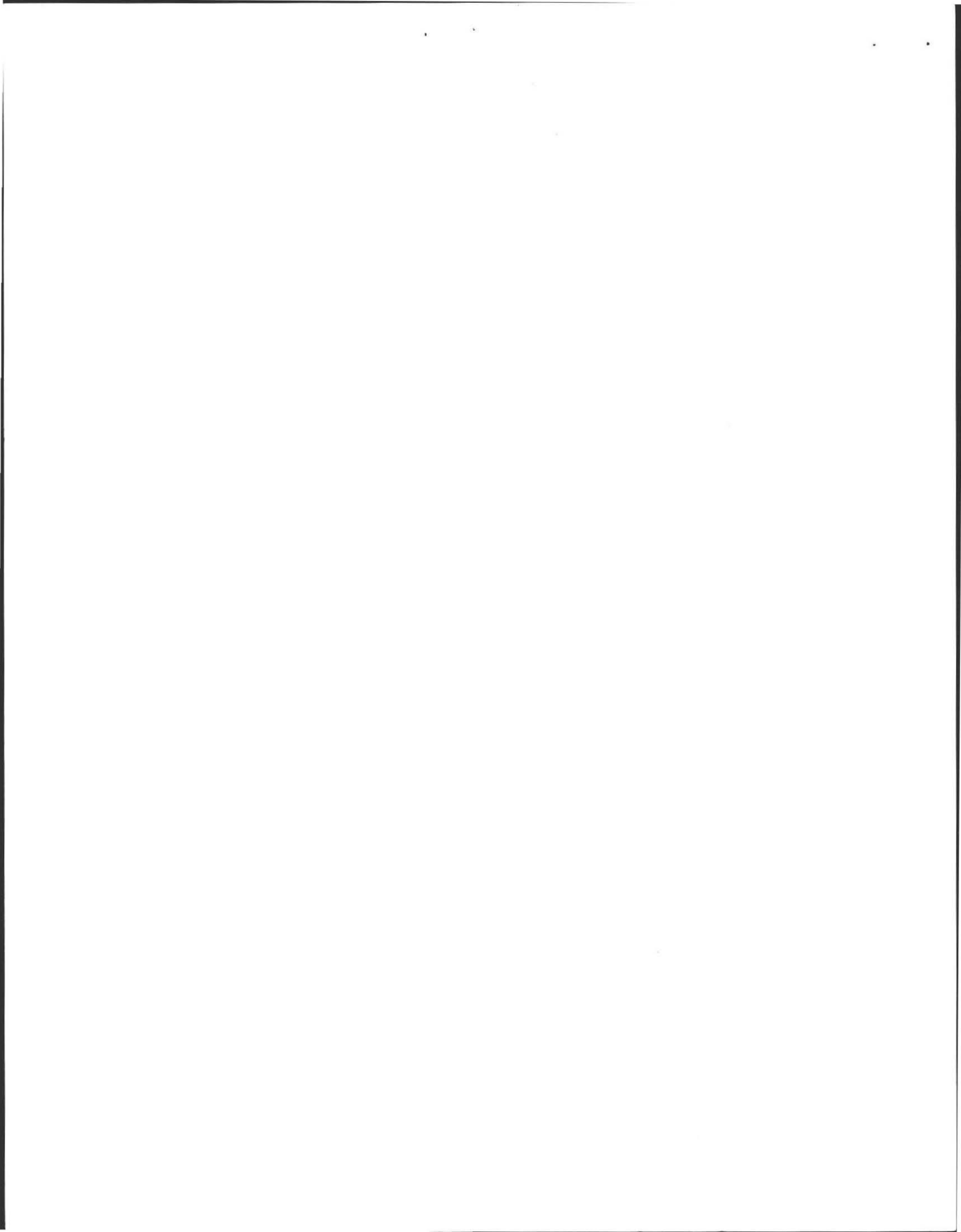
The Board of Health at it's meeting of June 22, 1992, took the following action on your request to the Title V Local amendments: Section 15.03 (6): Section 4 and Section 3D.

Unanimous vote to grant the requested variance. It is the Board's opinion that the same degree of environmental protection can be achieved without strict application of this particular provision.

Very truly yours,

Bettye Andeson Frederic
Health Director

C:Mottla



July 22, 1992

Mr. Gilbert Mottla
8900 Paddock Lane
Potomac, Md. 20854

Dear Mr. Mottla:

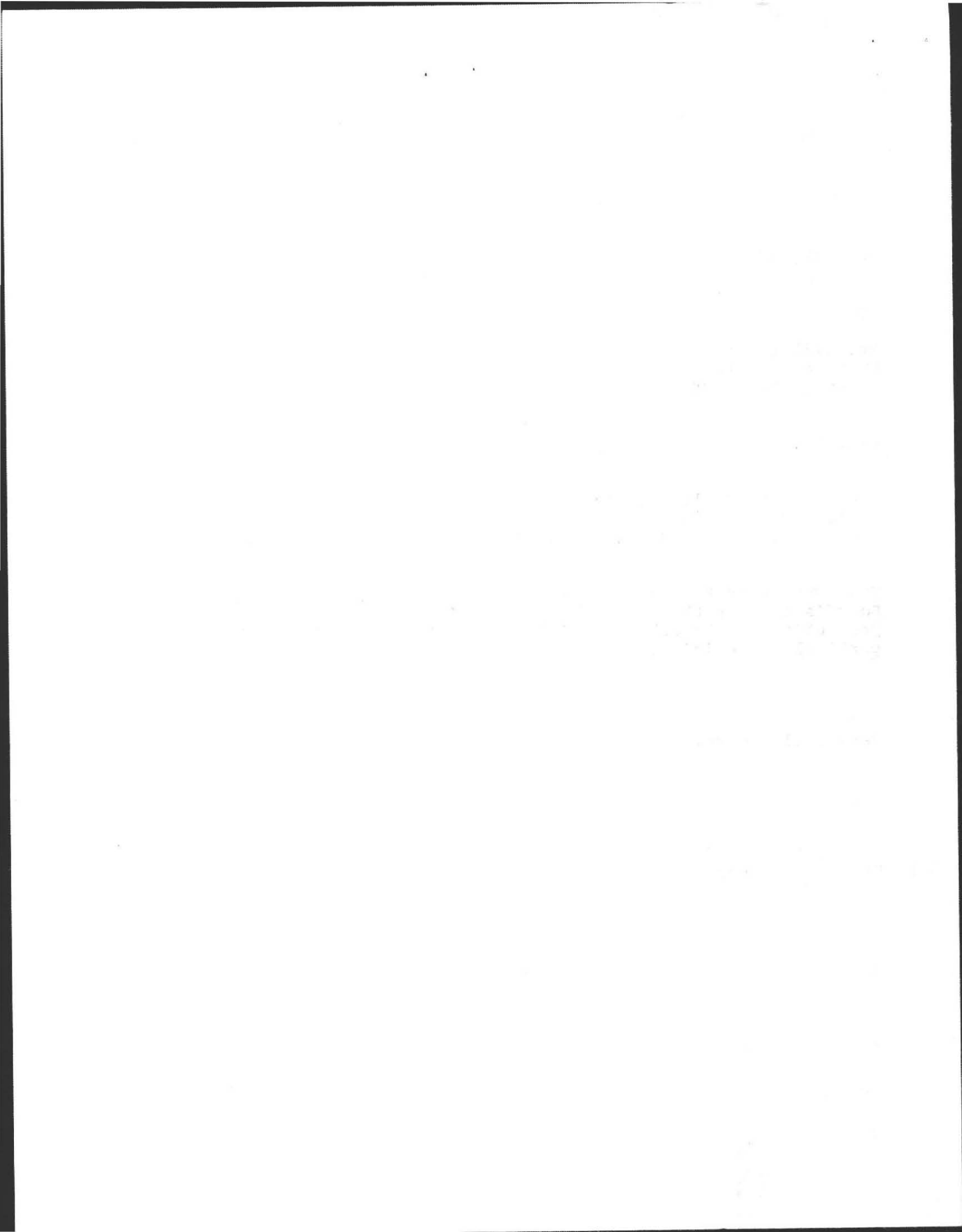
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Very truly yours,

Bettye Andeson Frederic
Health Director

C:Mottla



PERC TEST DATA SHEET

DATE 3/12/92 LOCATION SOUTH ORCHARD DRIVE LOT SIZE _____

OWNER Gilbert Motla ADDRESS 627 WINDSON AV TELE # 1-412-271-8725
PITTSBURGH PA

P.E./RS PAUL Filios FIRM _____ OBSERVED BY DAVID ZAROWSKI

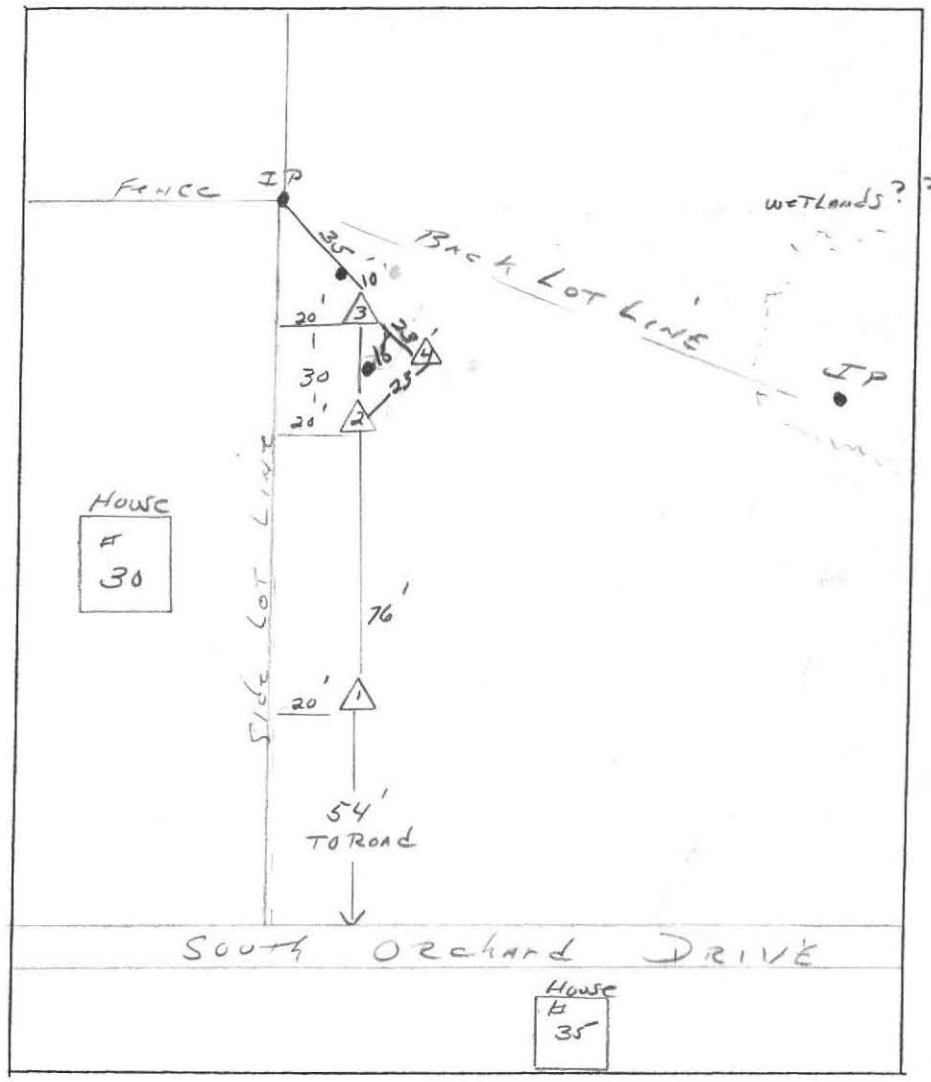
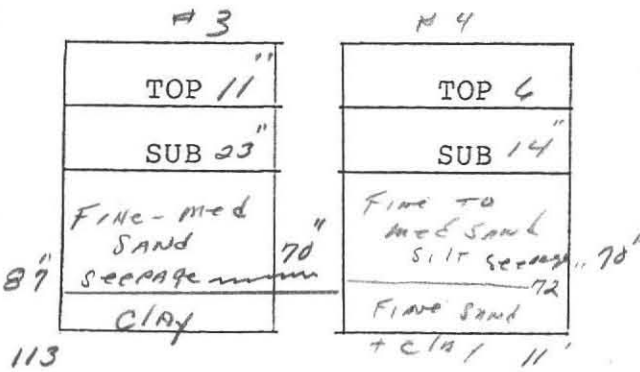
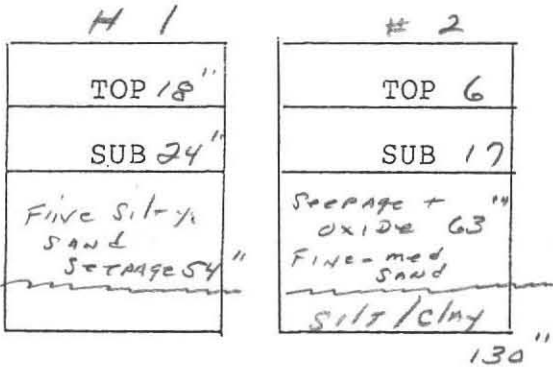
BACK HOE OPERATOR HARL'S TELE _____ BENCH MARK _____

PERC DEPTH 18" PRE SOAK TIME 9:11 PERC DEPTH 30" PRE SOAK TIME _____

TEST	<u>12" 9:14</u>	<u>9" 9:18</u>	<u>12" 9:33</u>	<u>11" 9:34</u>
			<u>CANT hold</u>	<u>CANT hold</u>
	<u>11" 9:15</u>	<u>7" 9:19</u>	<u>9:35</u>	<u>Perce test 4/14/92</u>
	<u>10 9:16</u>	<u>6" 9:20</u>		
	<u>9" 9:17</u>			

Refill 9:13 CANT hold
Deep hole wetlands

RATE (-2) RATE (2)



BOARD OF HEALTH
MEETING
MINUTES

May 13, 1992

Present: Calhoun, Reed, Lopez-Sanchez

Staff: Frederic

Guests: Gus Sayer, Alan Weiss, Barry DelCastilho, Eva
Schiffer

Minutes accepted as distributed.

VARIANCE REQUEST: TITLE V LOCAL EXCEPTIONS

Mottla postponed due to untimely notification of abutters.

FORT RIVER AIR QUALITY

Gus Sayer provided an update of actions to date and their efforts to resolve the short term and long term problems.

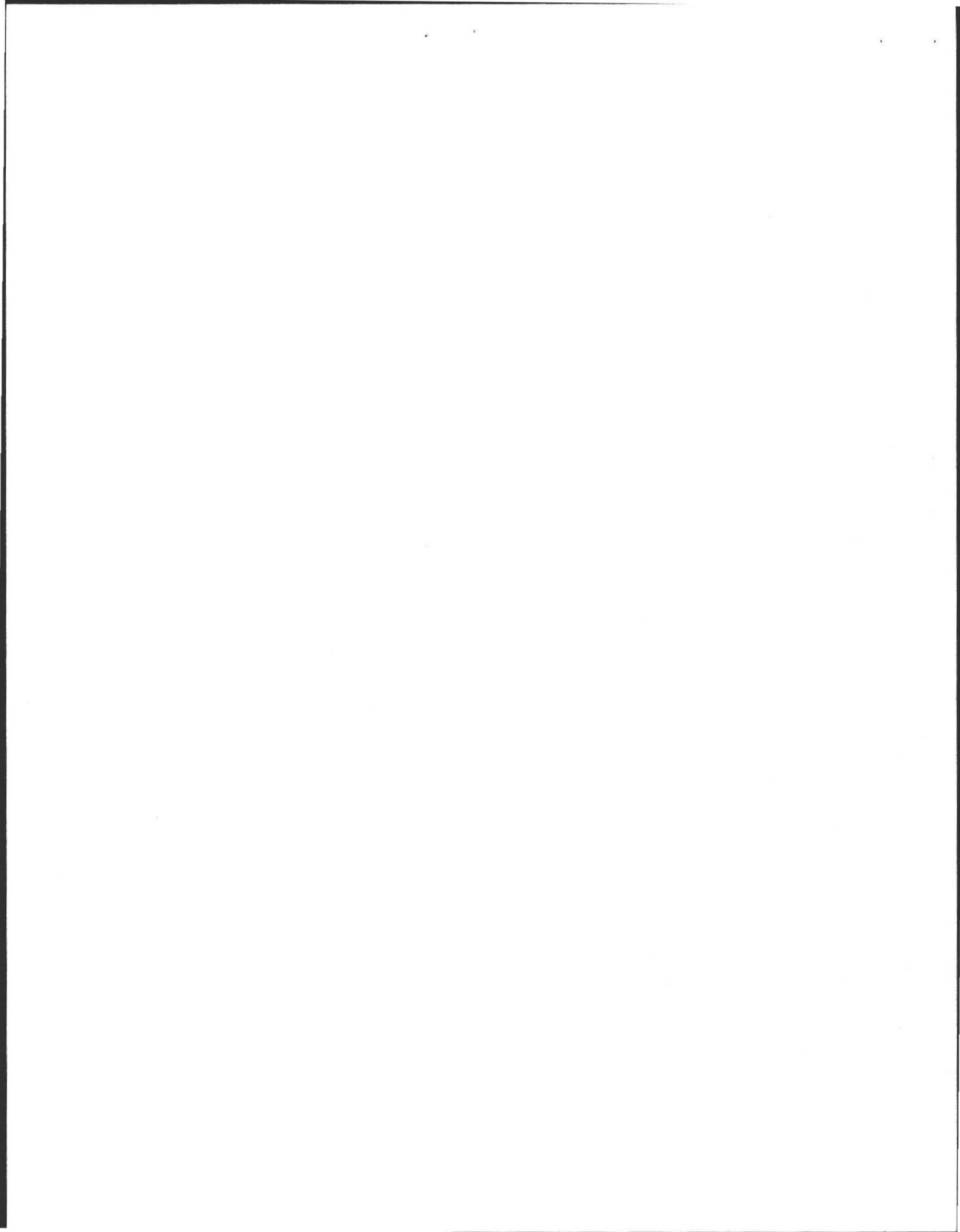
TOWN HALL AIR QUALITY

ACTION: Unanimous agreement to strongly recommend to the Town Manager that Town Employees cease work in the present Town Hall, within sixty days, and until such time that the following health threats are corrected, including but not limited to, a functional HVAC system, elimination of chronic dampness, and the removal of chronic dampness and the removal of mold and spore reservoirs.

We also request that a plan of action, formulated to correct these problems be submitted to the Board in at least sixty days.

Meeting: Monday June 15, 1992 at 7 PM

C:BOH0513



P 511 594 571
RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

U.S.G.P.O. 1989-234-555

PS Form 3800, June 1985

Sent to	Mr and Mrs. Smith
Street and No	51 S. Orchard Dr.
P.O. State and ZIP Code	Amherst, Ma. 01002
Postage	\$ 29
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom Date and Address of Delivery	
TOTAL Postage and Fees	\$ 129
Postmark Date	HADLEY MA 01035 MAY 22 1992 USPS

P 511 594 573
RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

U.S.G.P.O. 1989-234-555

PS Form 3800, June 1985

Sent to	Ms. Janice Ketchum
Street and No	30 S. Orchard Drive
P.O., State and ZIP Code	Amherst, Ma. 01002
Postage	\$ 29
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom Date and Address of Delivery	
TOTAL Postage and Fees	\$ 129
Postmark Date	HADLEY MA 01035 MAY 22 1992 USPS

P 511 594 574
RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

U.S.G.P.O. 1989-234-555

PS Form 3800, June 1985

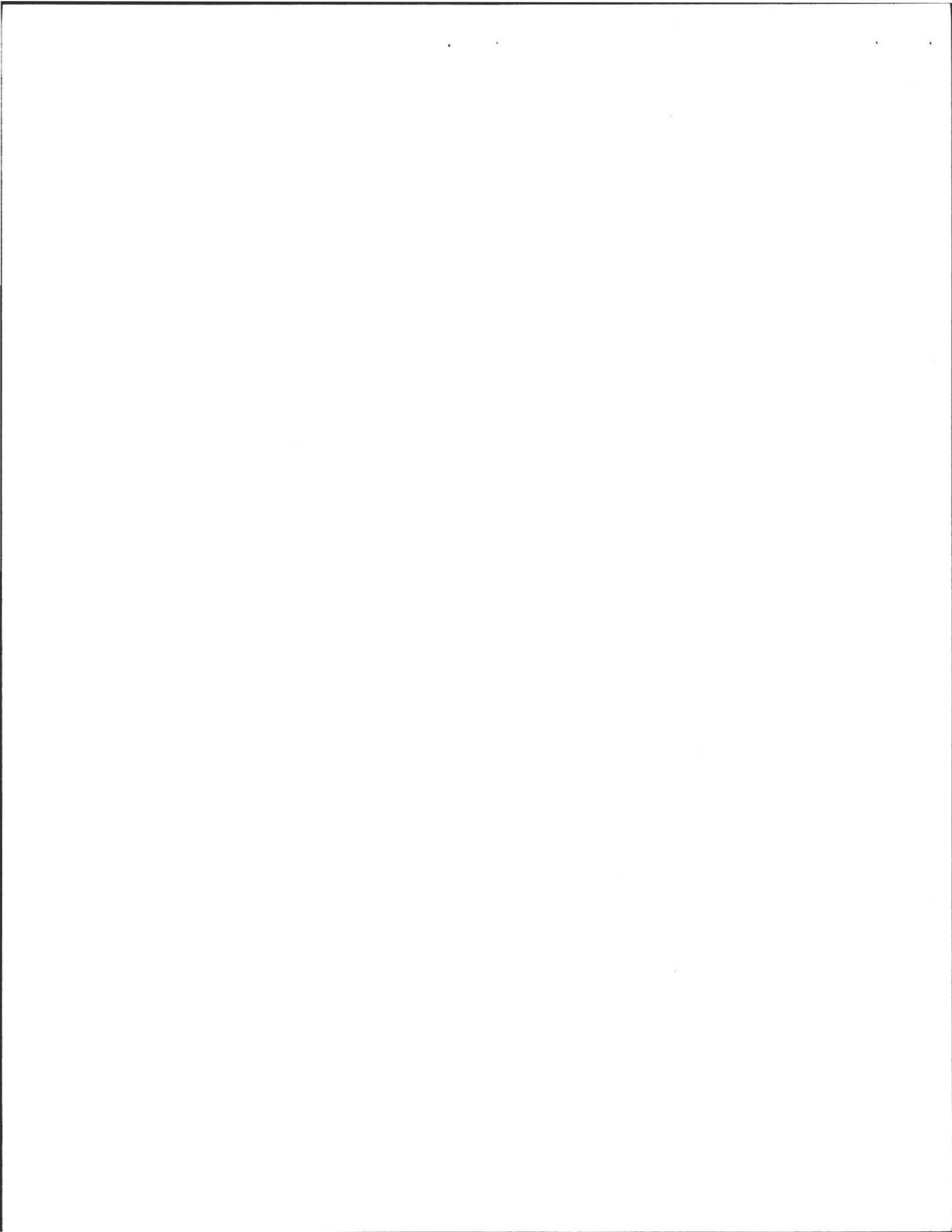
Sent to	Robin + Christine Popwolstone
Street and No	35 S. Orchard Drive
P.O. State and ZIP Code	Amherst, Ma. 01007
Postage	\$ 29
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom Date and Address of Delivery	
TOTAL Postage and Fees	\$ 129
Postmark Date	HADLEY MA 01035 MAY 22 1992 USPS

P 511 594 572
RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

U.S.G.P.O. 1989-234-555

PS Form 3800, June 1985

Sent to	Mr. And Mrs. Brooks
Street and No	42 S. Orchard Dr.
P.O., State and ZIP Code	Amherst, Ma. 01002
Postage	\$ 29
Certified Fee	1.00
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom Date and Address of Delivery	
TOTAL Postage and Fees	\$ 129
Postmark Date	HADLEY MA 01035 MAY 22 1992 USPS





COLD SPRING ENVIRONMENTAL
CONSULTANTS, INC.

MAY 26 1992

- Subsurface Investigations
- 21E Site Investigations
- Pollution Remediation

- Percolation Tests and Septic Designs
- Regulatory Compliance

May 21, 1992

Dr. David Zarozinski
Amherst Health Department
70 Boltwood Walk
Amherst, Ma. 01002

RE: Septic System Proposal & Variance Approval
Lot 21, South Orchard Drive, Amherst, Ma.

Dear David:

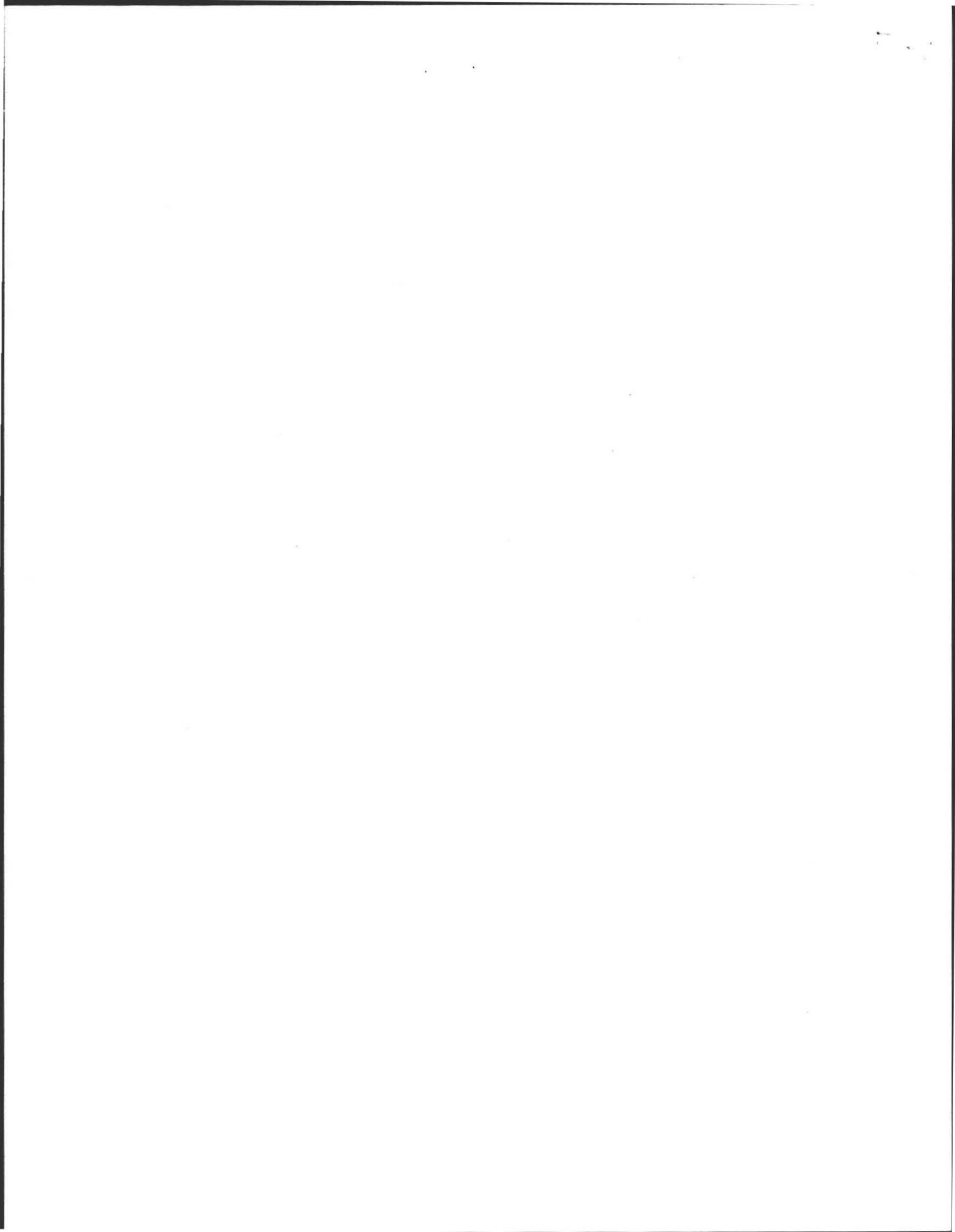
A variance from the Amherst Amendments to Title V is requested for the construction of the system at the above mentioned property. The variance is based on:

1. The lack of sufficient thickness of the native percable material (Ref. Section 3c.) that is 4' of material was found (in compliance with the state Sanitary Code), instead of 6' (preferred by Amherst, B.O.H.).
2. The system design adds 1 foot of fill for a 5' separation from the base of the leach bed to maximum groundwater elevations. This exceeds the State Sanitary Code (Ref. Section 4a.).
3. A variance from the 100' separation requirement to the the boundary of the bordering wetland is requested. 97' separation is provided from the edge of the leach bed to the bordering wetland and over 100' is provided to the stream (Ref: Section 3d.) 97 foot separation is provided.

A Wetlands Determination of Applicability will be sent to the Amherst Conservation Commission and DEP, Wetlands Division, upon your approval.

Please note that the site is in an area designated as Outlying Residence Zoning and the property is served by town water. In addition, the silt and clayey strata that underlies the percable, sandy, stratified drift would prevent this area as acting as a primary recharge area to public water supplies. As such, it is my opinion that the variance request satisfies the intent of your policy to "not adversely affect surface or subsurface public or private water resources".

Please see the proposed plan attached. Other portions of the lot were not potential sites for the new system because of spatial considerations and wetland/stream setback requirements.



Page 2: Mr. David Zarozinsky

May 21, 1992

Please feel free to contact me should you have any questions. Please confirm the hearing date of Monday June 15, 1992 at 7:00 pm to be held at the meeting room second floor of the Bangs Center.

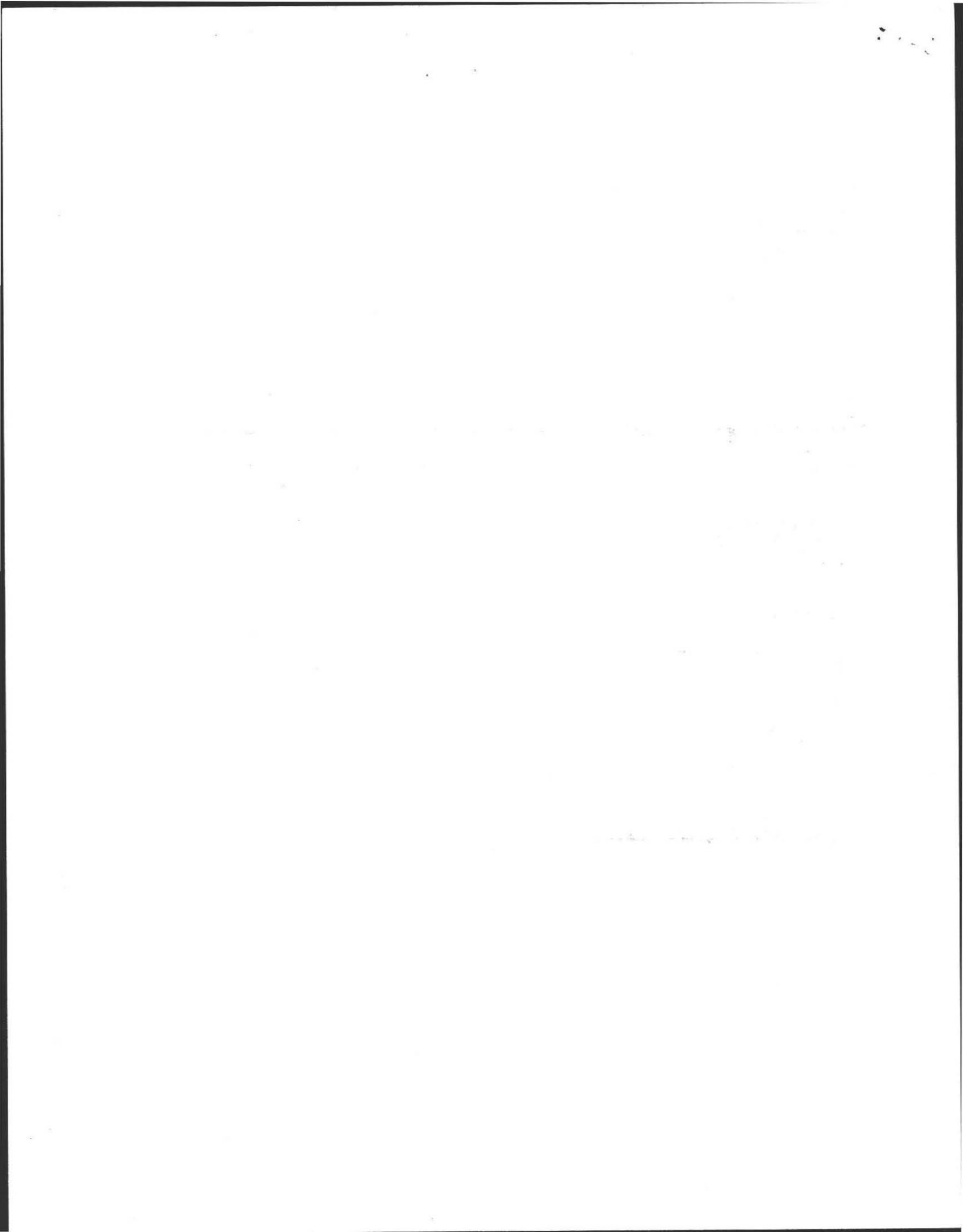
Sincerely,

Cold Spring Environmental Consultants, Inc.



Alan E. Weiss, M.S.
President
Principal Hydrogeologist
Registered Sanitarian Lic. #933

PC: Mr. Gilbert Mottla





COLD SPRING ENVIRONMENTAL
CONSULTANTS, INC.

- Subsurface Investigations
- 21E Site Investigations
- Pollution Remediation

- Percolation Tests and
Septic Designs
- Regulatory Compliance

May 21, 1992

Abutters to Lot 21
South Orchard Drive
Amherst, Ma. 01002

RE: Septic System Proposal & Variance Approval
Lot 21, South Orchard Drive, Amherst, Ma.

Dear Sir/Madam:

A variance from the Amherst Amendments to Title V, the State Sanitary Code, is requested for the construction of the system at the above mentioned property. Although the design exceeds the minimum requirements for the installation of a subsurface disposal system, the variance from three aspects of the more restrictive Amherst requirements is requested.

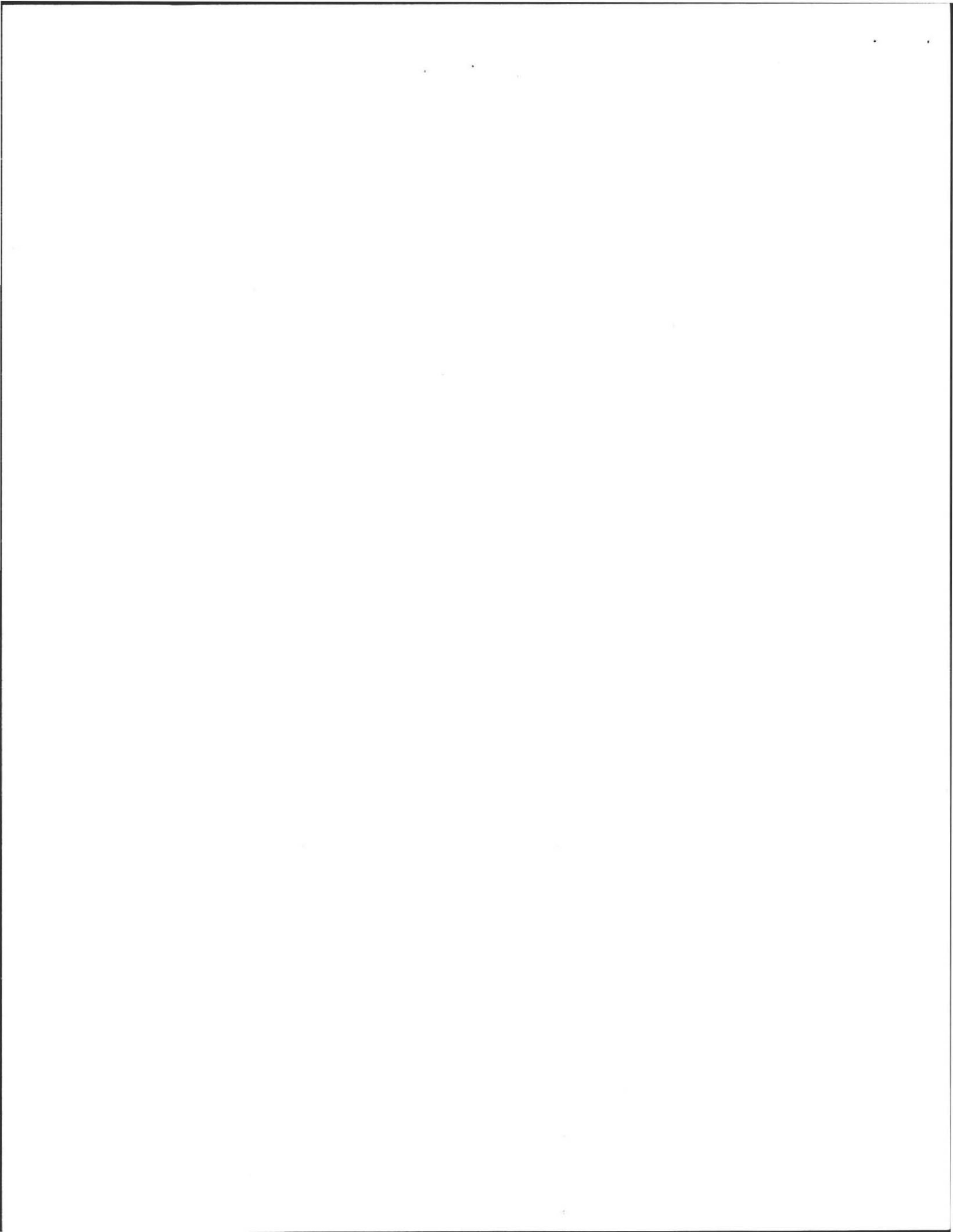
As an abutter, you are hereby notified that a variance hearing has been scheduled for Monday June 15, 1992 at 7:00 pm at the second floor of the Bangs Community Center.

Sincerely,

Cold Spring Environmental Consultants, Inc.

Alan E. Weiss, M.S.
President
Principal Hydrogeologist
Registered Sanitarian Lic. #933

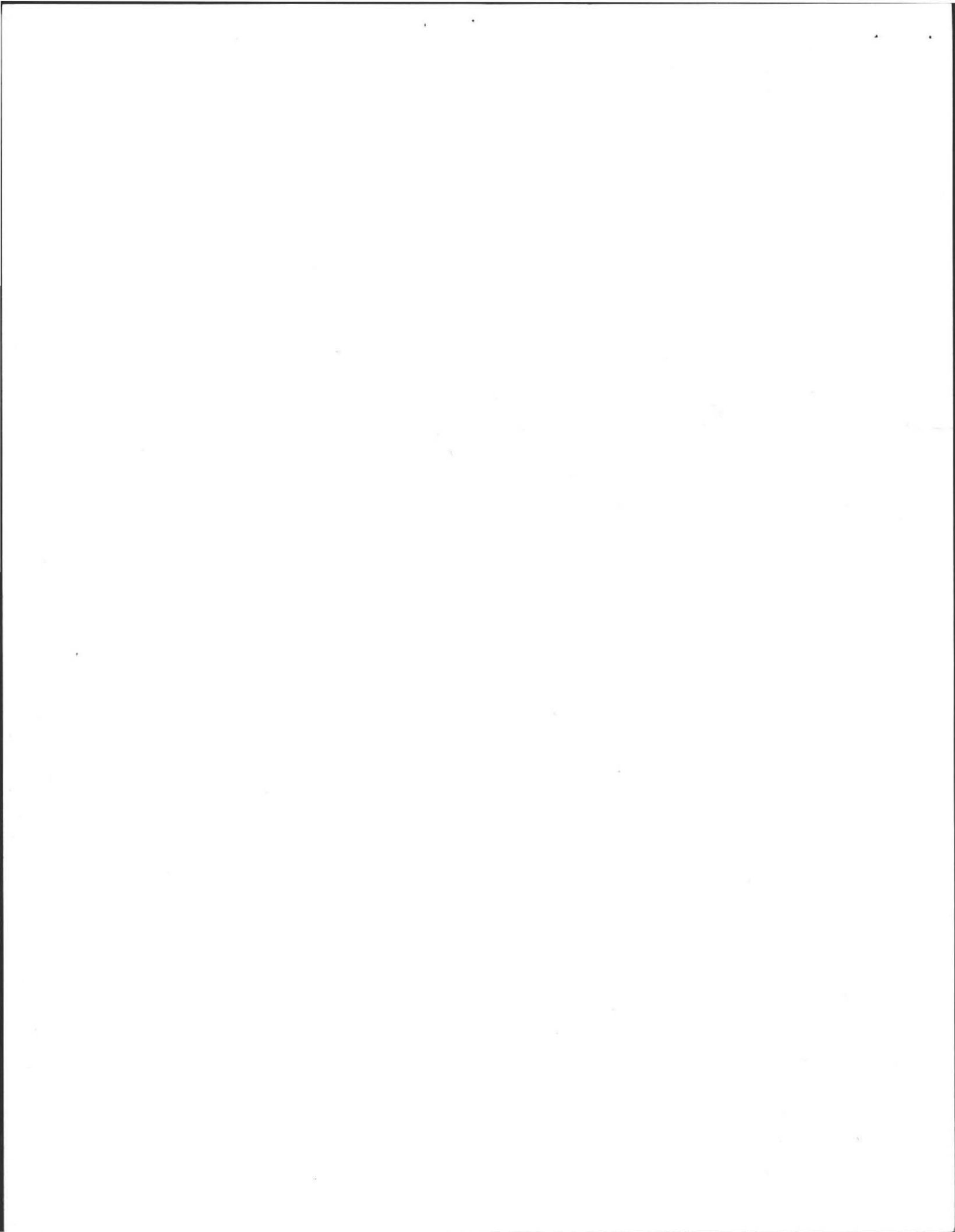
PC: Mr. Gilbert Mottla
David Zarozinsky, Amherst, BOH



LIST OF NOTIFIED ABUTTERS TO
LOT 21, SOUTH ORCHARD DRIVE
AMHERST, MASSACHUSETTS

6/17/92

- #30 SOUTH ORCHARD DRIVE, JANICE KETCHUM (WEST) 256-1727
- #35 " , ROBIN AND CHRISTINE POPWOLSTONE (NORTH) 253-9271
Calif (Boston) PIPPLESTONE
- #42 " , MR. AND MRS. BROOKS AND MACHITE (EAST) 253-9456
Scha
- #51 " , DAVID AND PRISCILLA SMITH (SOUTH) 256-0359
(Maine)



Town of



AMHERST Massachusetts

Bettye Anderson Frederic, Director

AMHERST HEALTH DEPARTMENT
70 BOLTWOOD WALK
AMHERST, MA 01002-2128
(413) 253-7077

May 26, 1992

To: Bettye Anderson Frederic

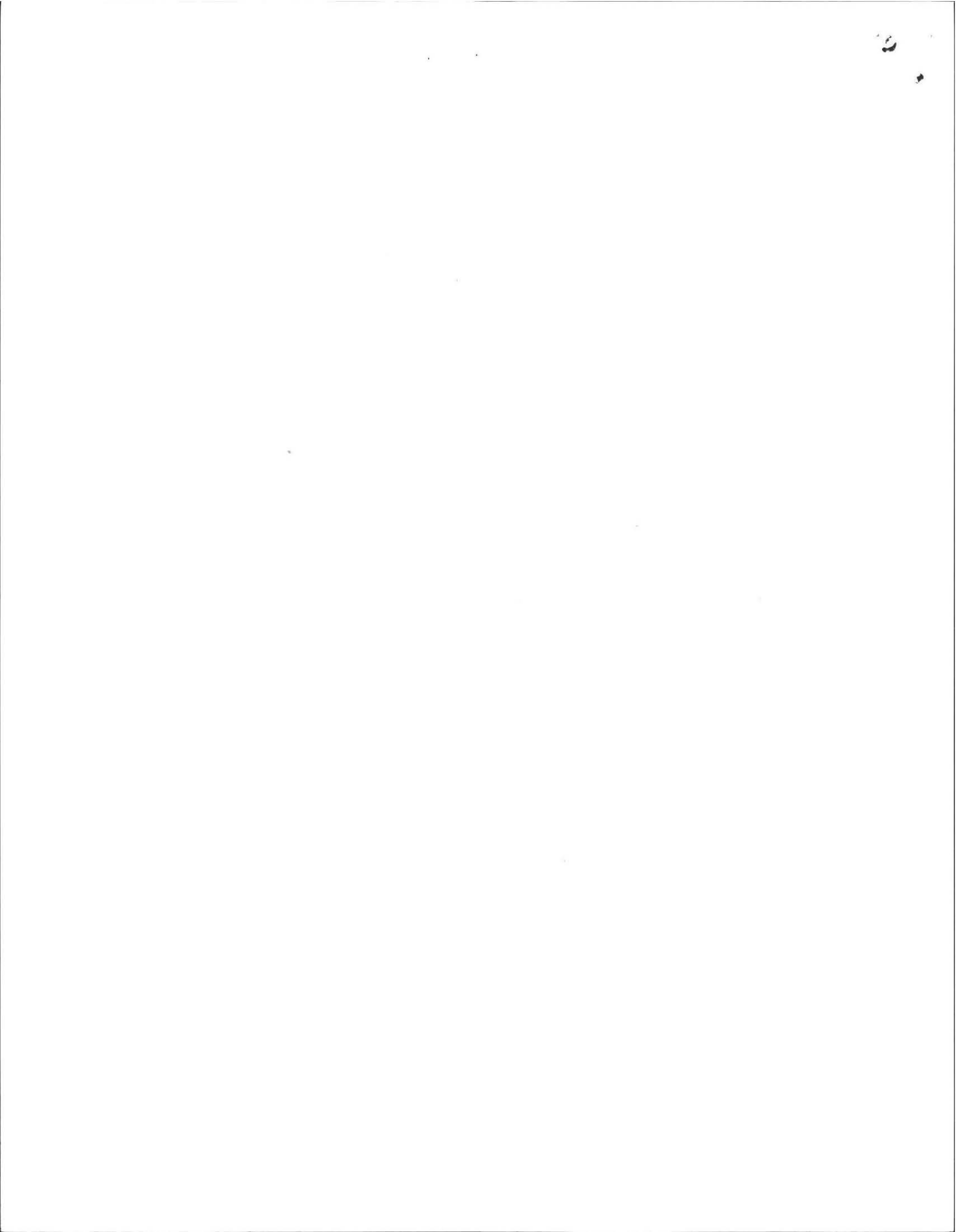
From: David Zarozinski *DZ*

Re: Lot 21 So. Orchard Drive (variance request of Amherst
Amendments to Title V)

I have reviewed the Septic System Plan that was submitted by Mr. Alan Weiss, M.S. for Mr. Gilbert Mottla new home.

Mr. Mottla is requesting a variance to the Town of Amherst Amendments to Title V of the State Environmental Code. The variance requests are based on:

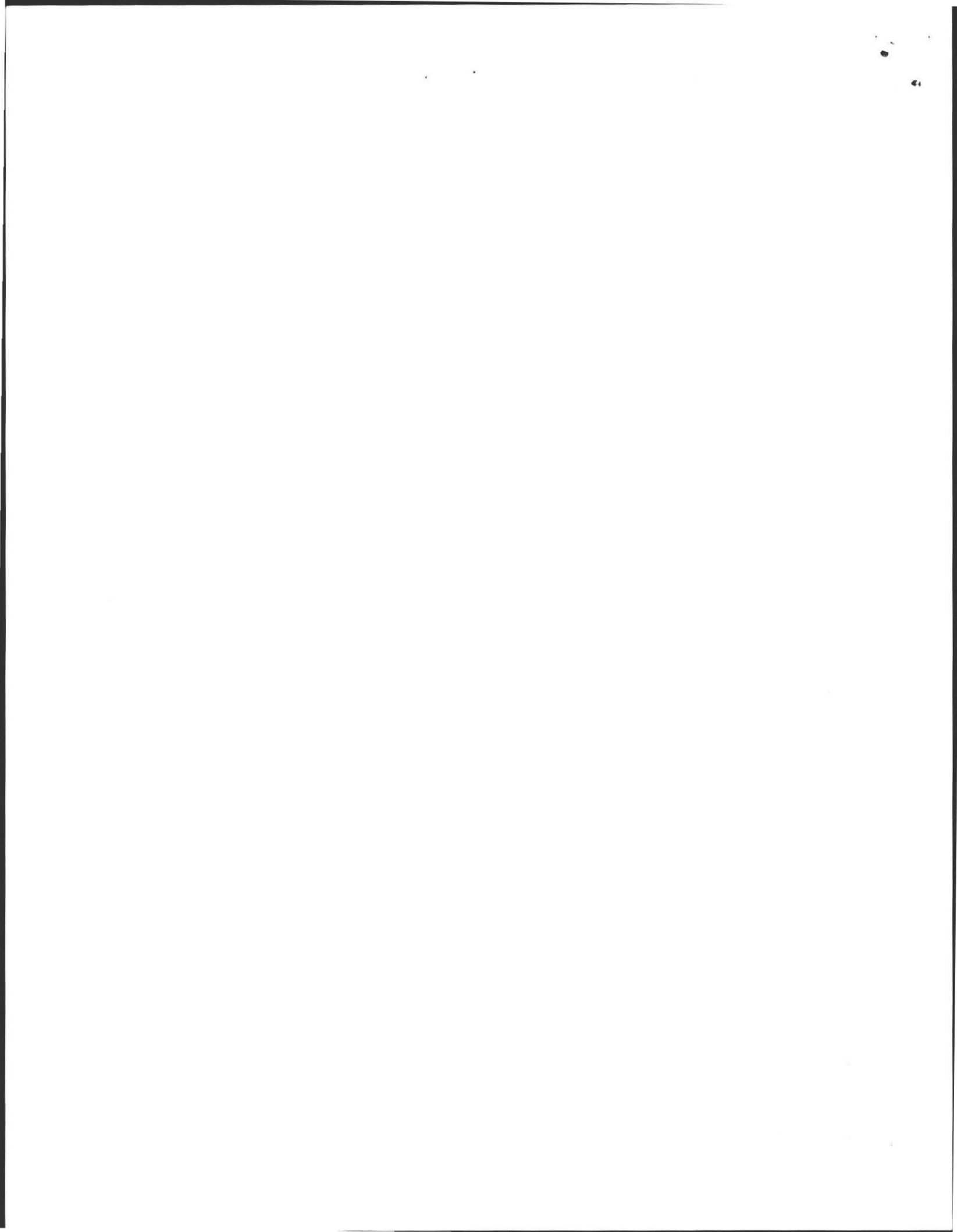
- (1) Section C 15.03 (6): That is, four (4') feet of material was found instead of six (6') feet.
- (2) Section 4 Leaching Facilities. Town requires six feet above maximum ground water elevation. The system will be designed for five (5) feet above ground water elevation.
- (3) Section 3 D Separation requirement: The Town Regulation requires a distanced of 100" to the stream.



I recommend granting the variance request submitted by Mr. Weiss for Mr. Mottla for the following reason:

- (1) There is four feet of native percable material. The State requires only four (4) feet.
- (2) With the installation of the septic system at the proposed elevation approx 25' of the 30' of the septic system will be in natural soils.
- (3) The system will be 97' (100' required town reg.) away from the stream. Title V requires only fifty (50) feet.
- (4) Site area is zoned O-R (Outline Residence) and the property will be served by town water.
- (5) This lot is not in the aquifer area.

C:Lot21



Bill,

I need house # to correspond with
the lot # (number) on So Orchard

Drive -

WATER

LOT #	20	-	42 - So. Orchard Dr.	4.5
LOT #	4	-	23 " " "	8'
LOT #	27	-	6 " " "	-
LOT #	5	-	29 " " "	10'
LOT #	22	-	30 " " "	7'
LOT #	14	-	11 Sherry Cree	8
LOT #	24	-	4 Barry "	5' 4"
LOT #	2	-	5 So. Orchard Dr	11'
LOT #	6	-	35 Glass " "	7' 2" Drx
LOT #	17	-		
LOT #	18	-	50 Blossom Ln	7'
LOT #	23	-	10 Barry Creeks	4.7
LOT #	7	-	41 So. Orchard Dr.	7'
LOT #	12	-	16 Sherry Creeks	9'
LOT #	10	-	8 " "	8' 5"
LOT #	3	-	15 So. Orchard Dr	-

STATE OF CALIFORNIA

David Smith So. Orchard Drive

June 18, 1992 11:00 AM

☒ called David Smith 203-563-5722

- 1) his concerns are in letter
- 2) systems in area are flooding
- 3) installed system - would sewage flow to his system land
- 4) owner builds - no concern

Repair

15 S. Orchard Drive

Kim Townsend

Greater 9' 10"
Rate (15)

New

So. Orchard Drive Lot #4 MAY 26 1989

Maria Fagundes Ground Water 8'

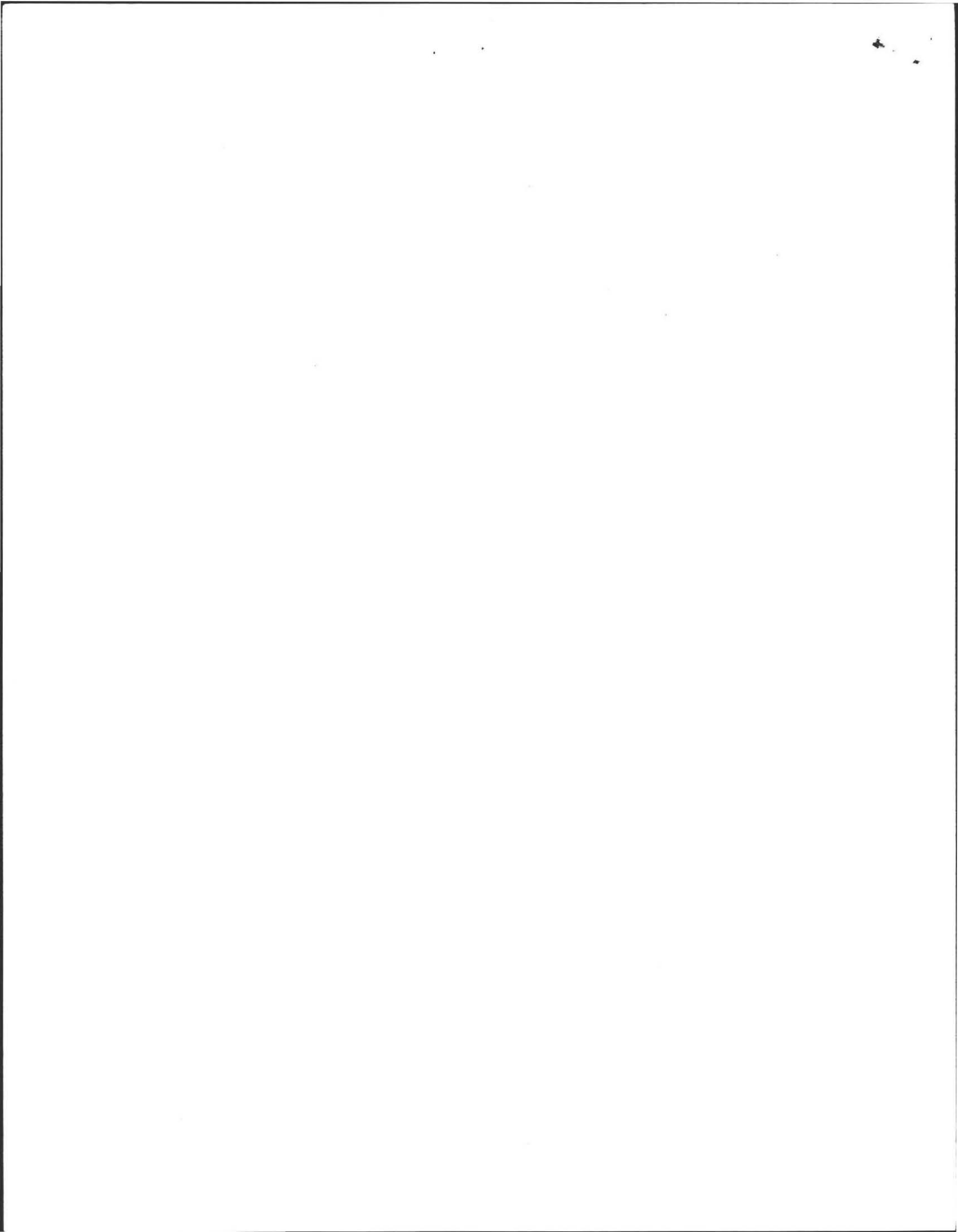
LOT 7-¹⁹⁷⁷ GC. 7'
Adv- 7'9'

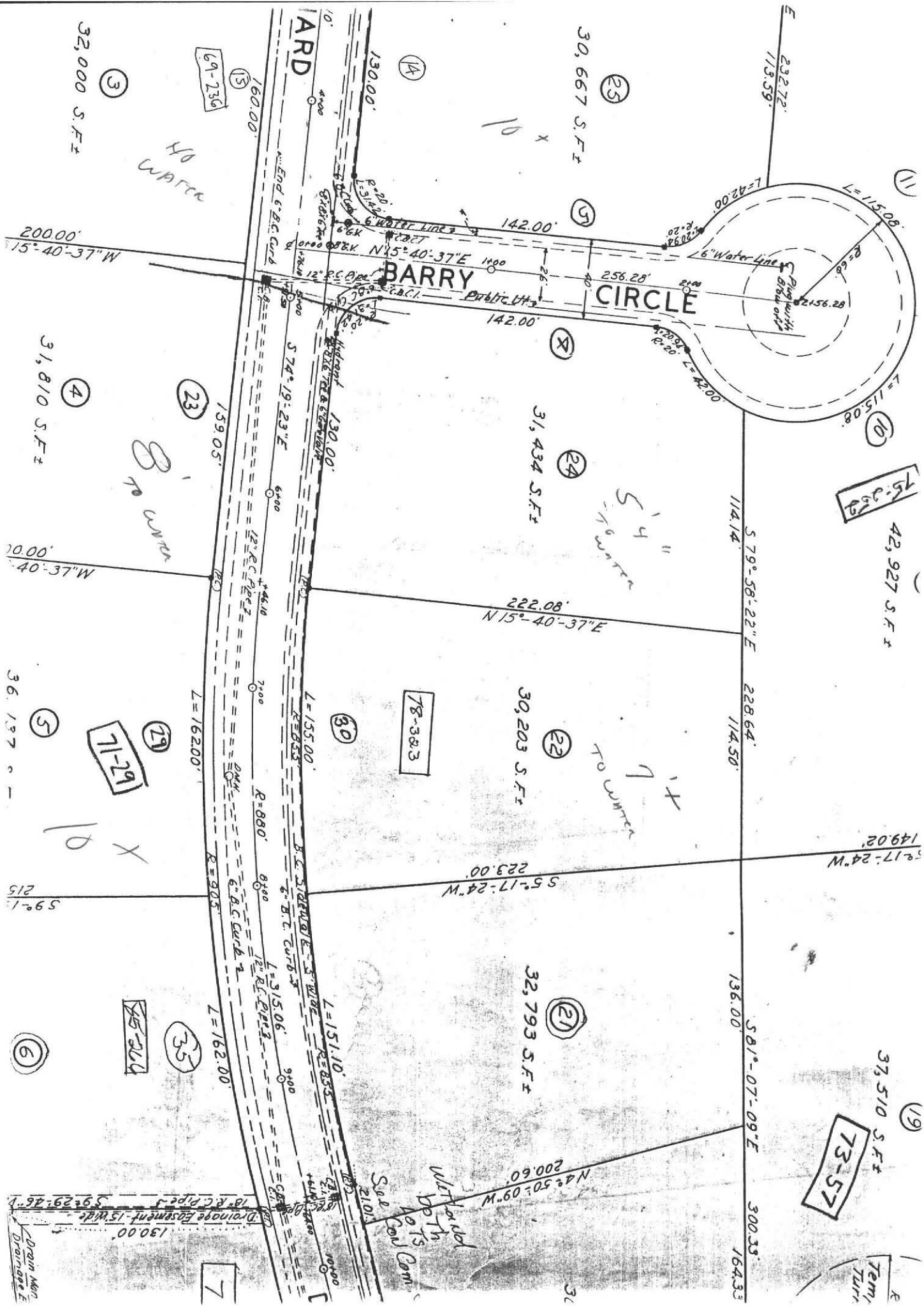
Bill,

I need house # 10 compared with
the lot # (numbers) on So Orchard

Drive -

		WATER
LOT #	20 -	4.5
LOT #	4 -	8'
LOT #	27 -	-
LOT #	5 -	10'
LOT #	22 -	7'
LOT #	14 -	8
LOT #	24	5'4
LOT #	2 -	11'
LOT #	6 -	7 1/2 Day
LOT #	17 -	
LOT #	18 -	7'
LOT #	23 -	4.7
LOT #	7	7'
LOT #	12	9'
LOT #	14	8'5"
LOT #	3	-





32,000 S.F.±

(3)

69-236

(15)

YARD

130.00'

(14)

30,667 S.F.±

(25)

232.72'

113.59'

200.00'
15°-40'-37"W

31,810 S.F.±

(4)

(23)

8' WATER

200.00'
15°-40'-37"W

36,197 S.F.±

(5)

71-29

(29)

78-383

(30)

30,203 S.F.±

(22)

TO WATER

149.02'
S 17°-24'W
223.00'

59°-1'

(6)

75-214

(35)

32,793 S.F.±

(21)

73-57

(19)

37,510 S.F.±

Temp. Turb.

130.00'
Drainage Easement - 15' Wide
Drain Man.
Drainage E.

7

Sub. Cont. Cam.
Water Mtd.
Dp. Th.
A.O.T.S.

N 4° 50' 09" W
200.60'

136.00'
S 81°-07'-09"E
300.35'
164.33'

114.14'
S 79°-58'-22"E
228.64'
114.50'

222.08'
N 15°-40'-37"E

L=115.08'
R=66'
L=115.08'
L=42.00'
R=20.92'
R=20.92'

Barry Circle

Public UT

N 15°-40'-37"E
142.00'

142.00'

142.00'

31,434 S.F.±

(24)

5'4" WATER

130.00'
Hydrant
12" R.C. Pipe
5'74°-19'-23"E
6400'

159.05'

L=155.00'
R=880'

L=162.00'

L=151.10'
R=835'

L=315.06'
R=905'

L=162.00'

End 6" B.C. Curd
12" R.C. Pipe
12" R.C. Pipe
12" R.C. Pipe

6" Water Line
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