

X/00 3, 1988

I would deny Variance

BECAUSE :

① Plan has been Revised

Since initially

Submitted - NONE

OF Plans Show

Tree + Deep hole

Location, ~~etc.~~

② Do To The Wetland's

ISSUES I would

NOT Recommend

GRANTING A VARIANCE

OR THIS NATURE FOR

NEW CONSTRUCTION

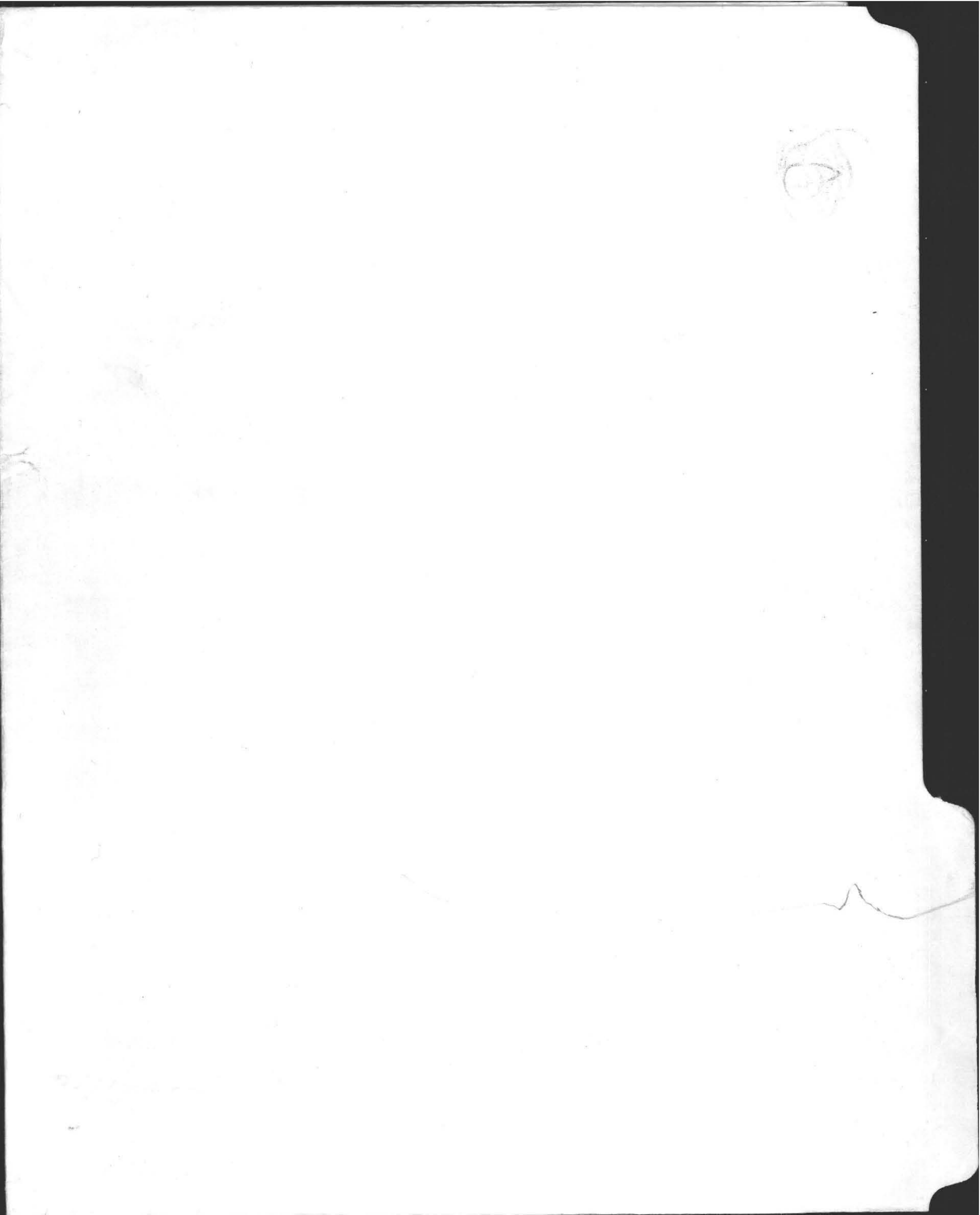
③ ~~etc.~~

~~etc.~~

Study copy
Gm

AGRICULTURE, SUNDERLAND, 150000

Jeff Woods Rella
(Formerly: Walter Jones)



Town of



AMHERST Massachusetts

Bettye Anderson Frederic, Director

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

July 5, 1990

Mr. Jeffrey Wood
319 Leverett Road
Amherst, MA 01002

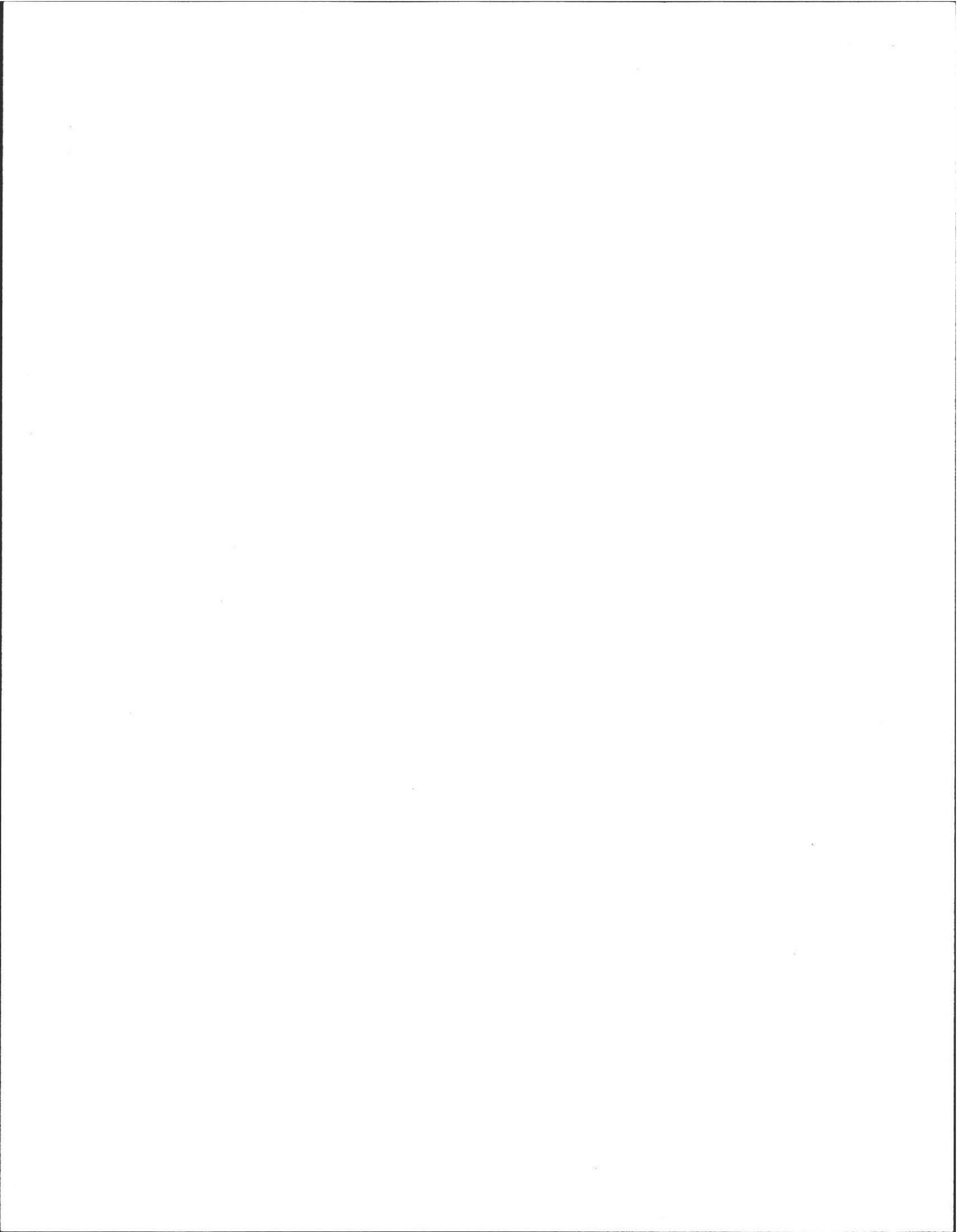
Dear Mr. Wood:

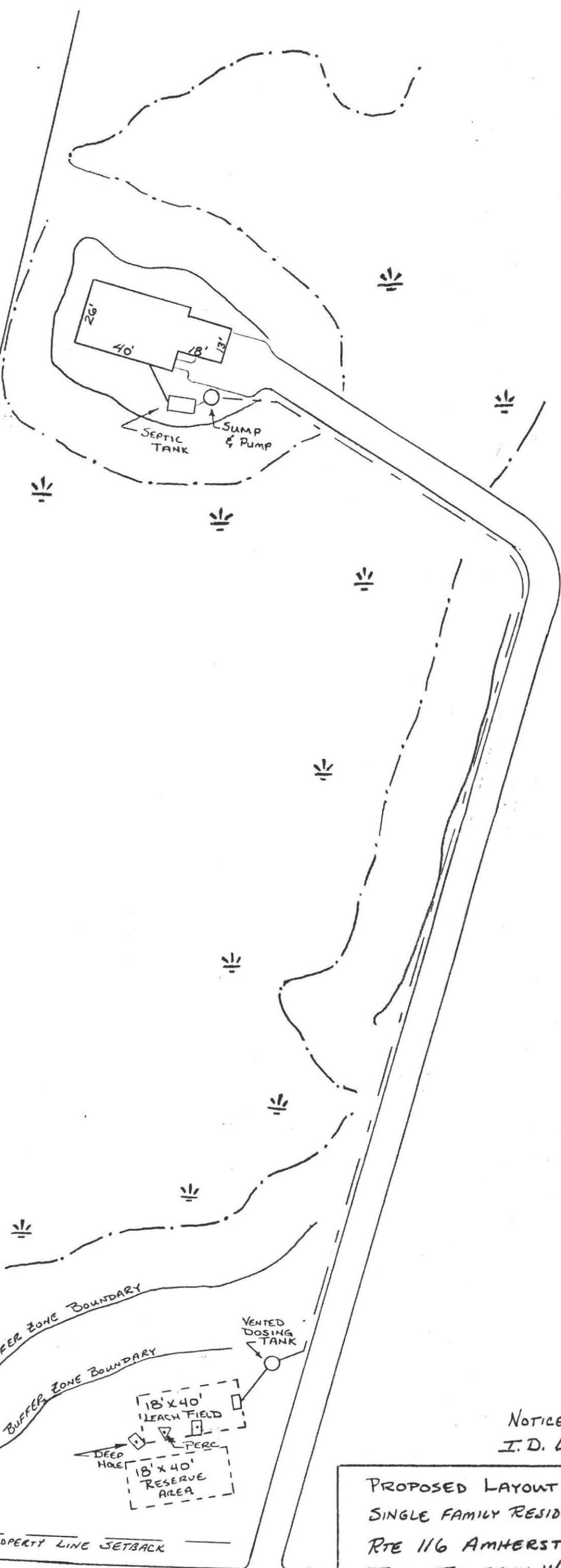
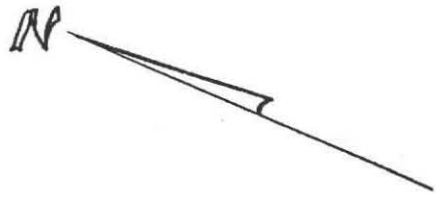
Please be advised that the septic system plan designed for Sunderland Road (route 116) was approved on November 1, 1988. If the actual system is not installed by November 1, 1990, you will have to renew the plans. If you have any questions on this matter please feel free to call me at the above number.

Very truly yours,


David Zarozinski
Sanitarian

(SEC2: dzletter)



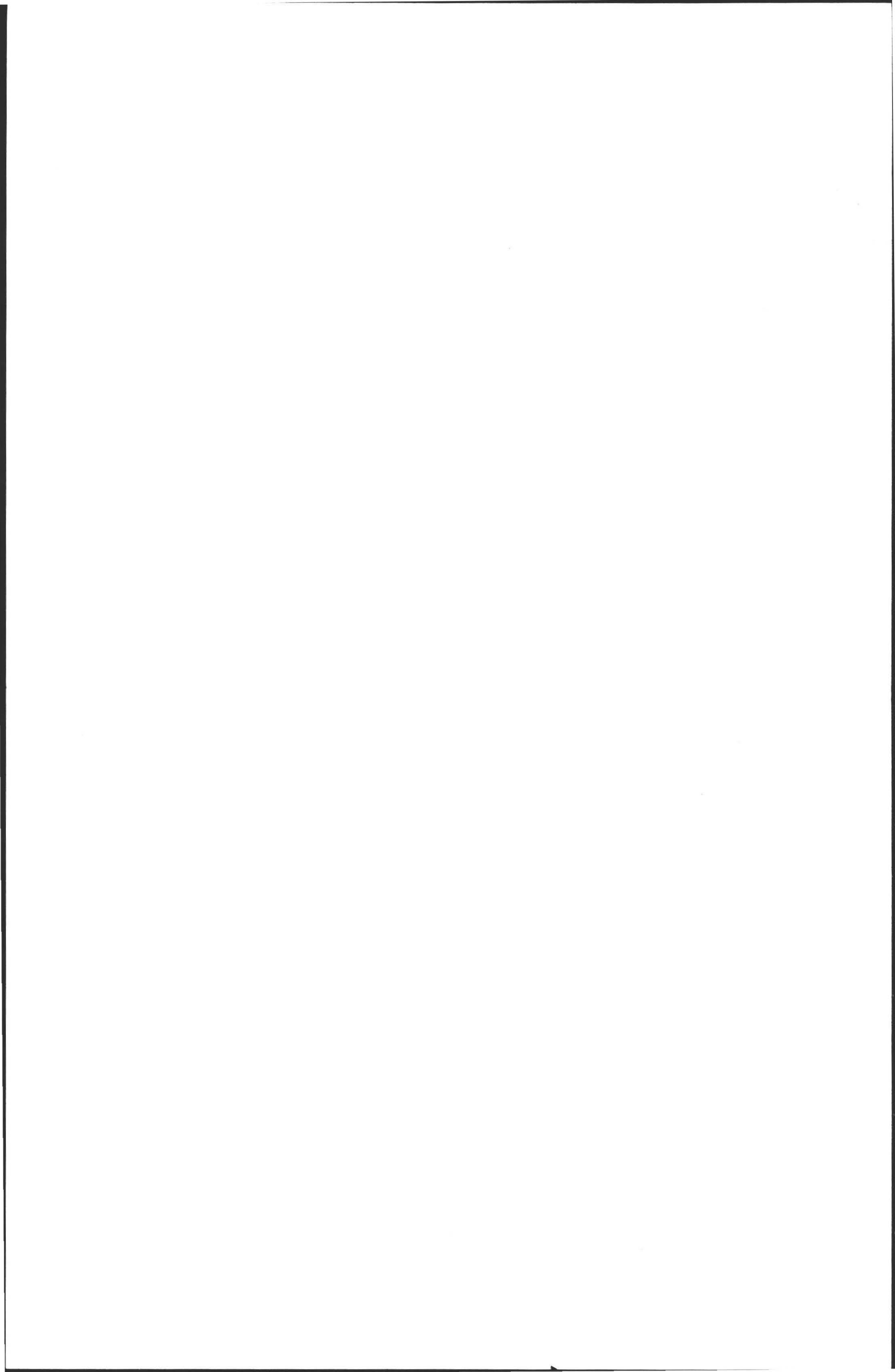


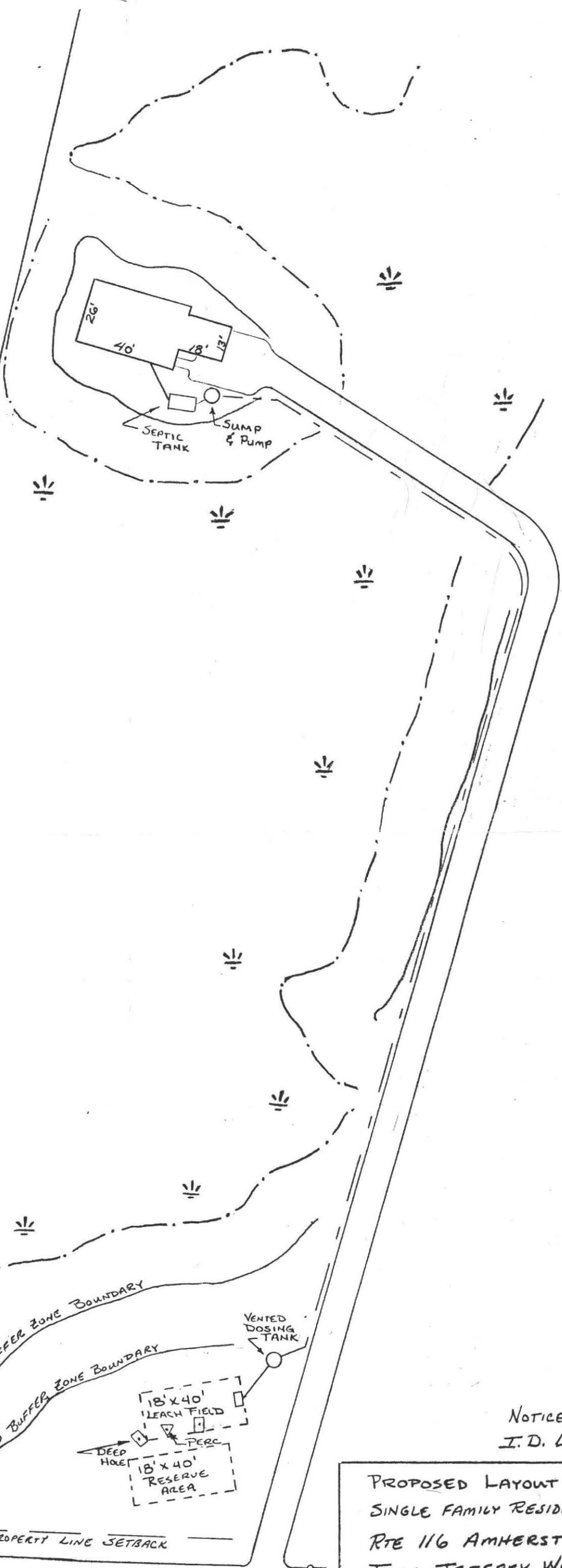
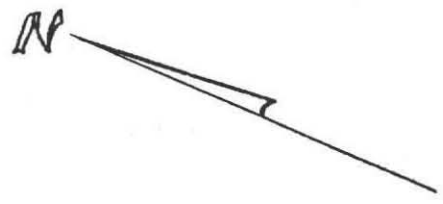
RTE 116 (SUNDERLAND ROAD)

NOTICE OF INTENT
I.D. LETTER C

PROPOSED LAYOUT FOR
SINGLE FAMILY RESIDENCE AT
RTE 116 AMHERST
FOR: JEFFREY WOOD
BY: RICHARD SCOTT, P.E.
SCALE: 1" = 40' DATE 3-21-87

REVISED: 11-1-88 ADDED 50' SETBACK ZONES, MOVED RESERVE,
ADDED PERC LOCATION



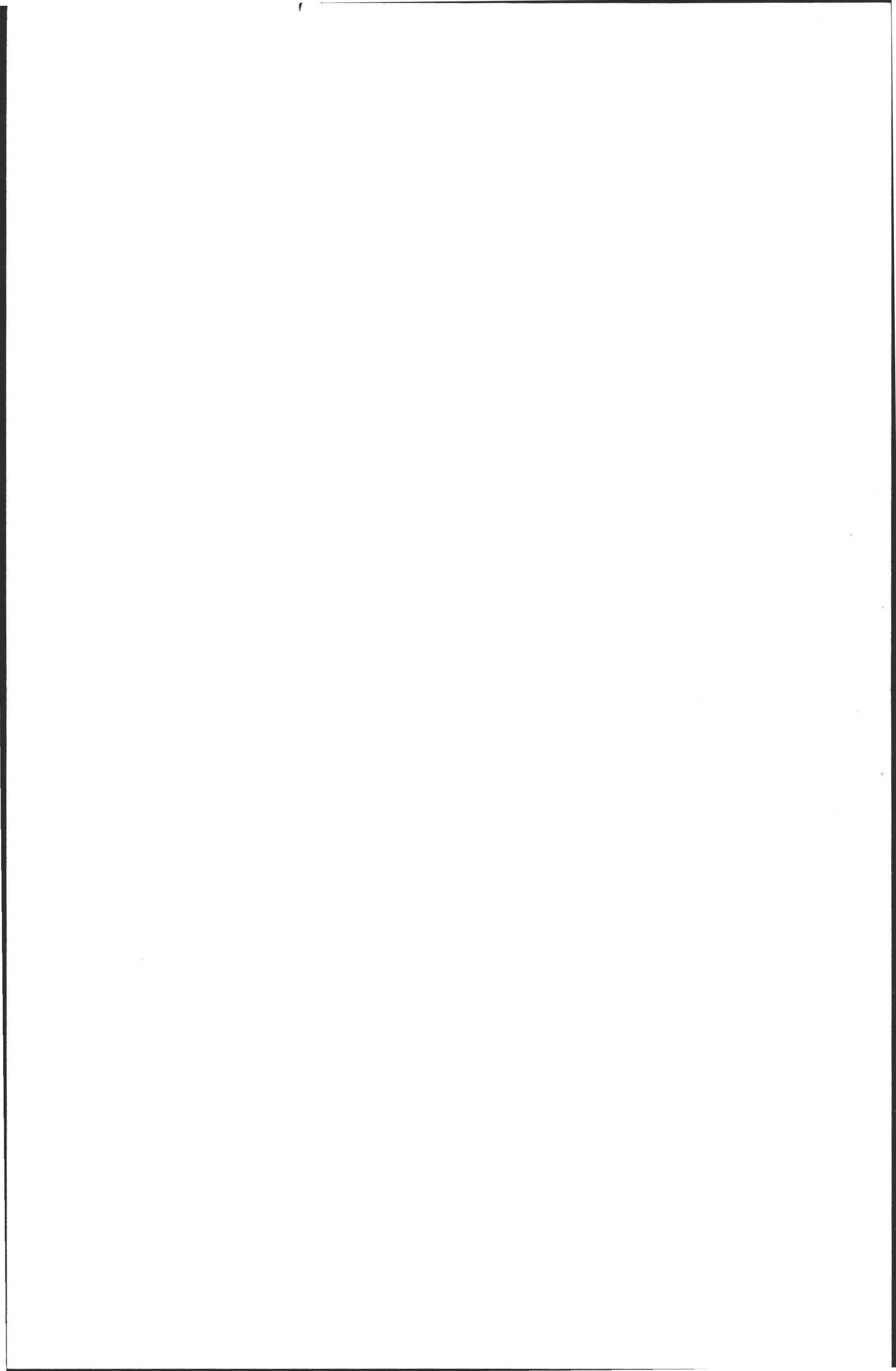


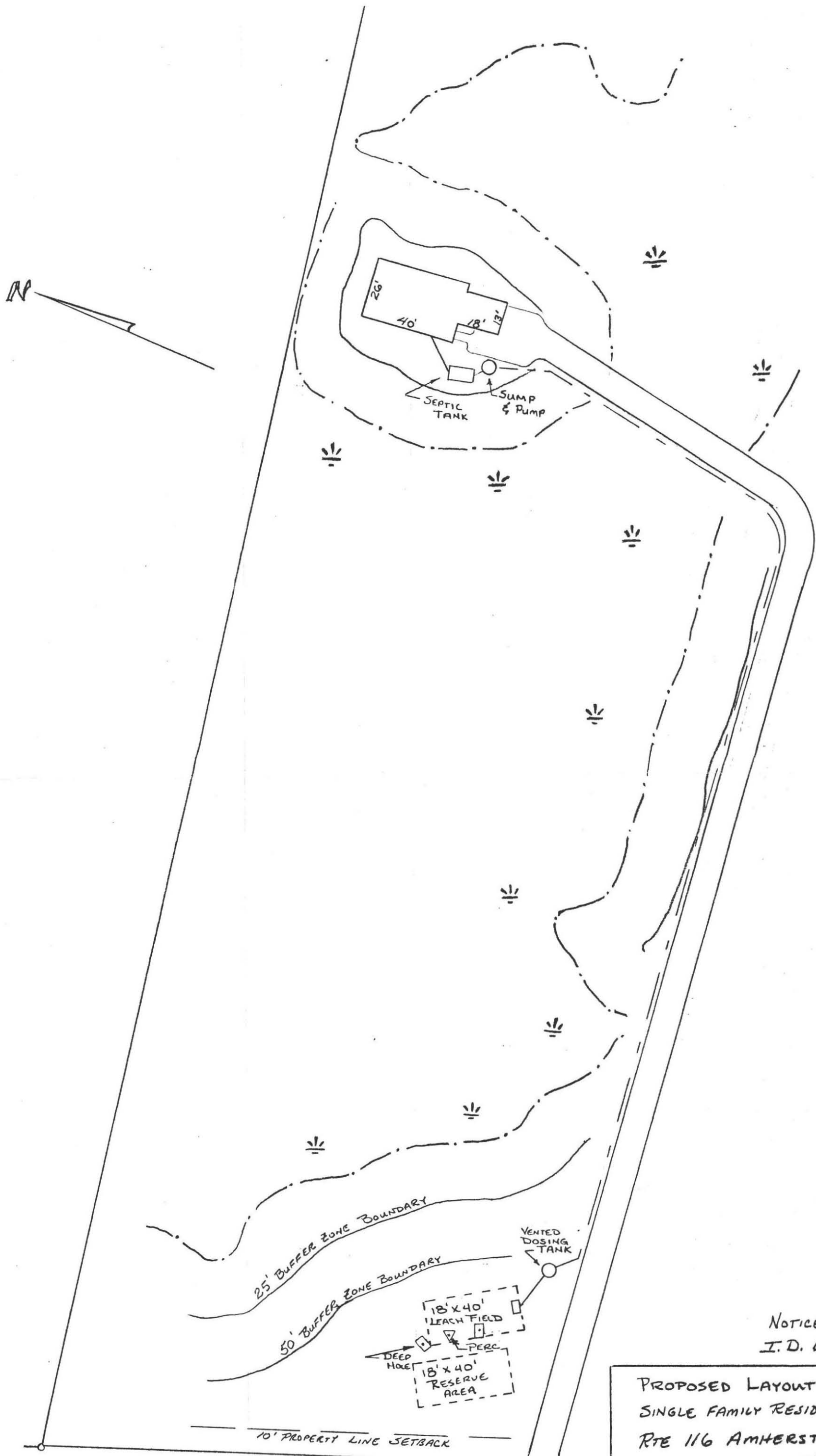
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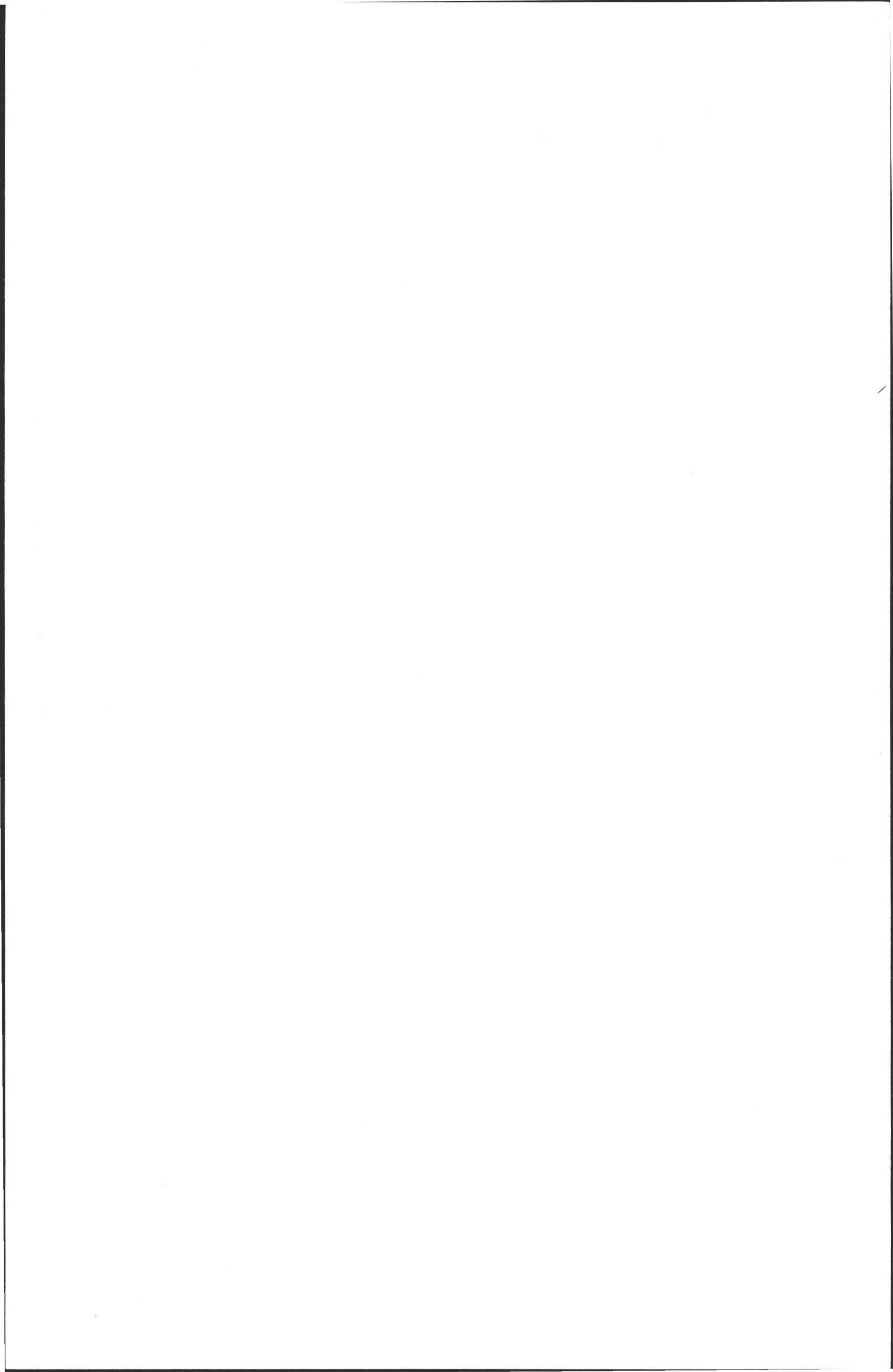


RTE 116 (SUNDERLAND ROAD)

NOTICE OF INTENT
I.D. LETTER C

PROPOSED LAYOUT FOR
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Town of



AMHERST *Massachusetts*

AMHERST HEALTH DEPARTMENT
(413) 253-7077

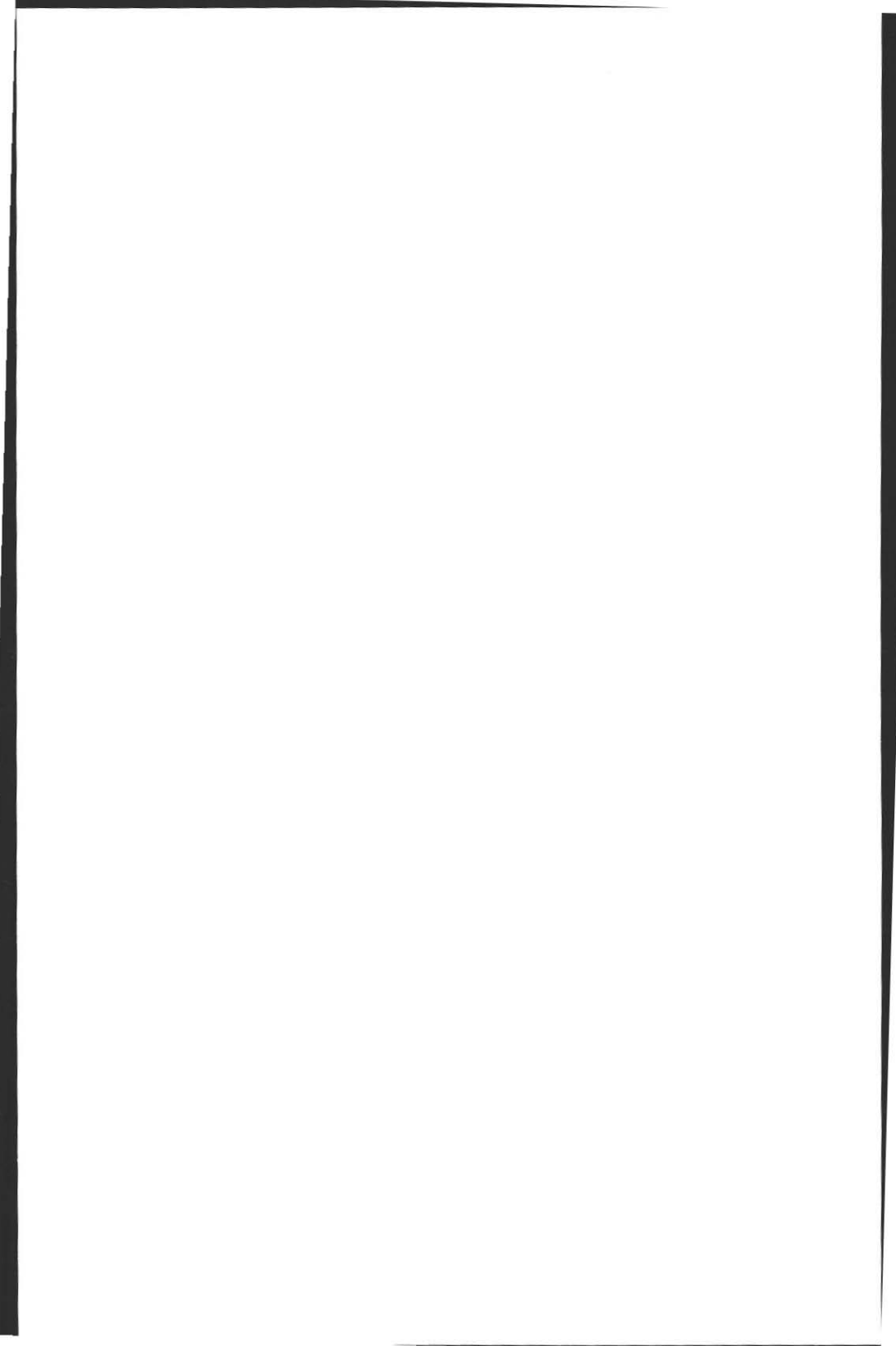
June 7, 1989

TO: ALL INTERESTED PARTIES
FROM: AMHERST BOARD OF HEALTH
RE: VARIANCE REQUEST TO LOCAL AMENDMENTS OF
Title V by Jeff Wood for property
on Rte. 116

The Amherst Board of Health at their meeting on June 6, 1989 unanimously agreed to grant the variance from the required 100 foot distance between a septic system and wetlands on a 10 acre lot on Route 116.

The variance will take effect on June 28, 1989 unless the matter is reconsidered at the June 27, 1989 Board of Health Meeting, IF requested by abutters.

Any abuttor having a concern with the Board's decision must contact the Health Department by June 20th with those concerns.



Town of



AMHERST *Massachusetts*

AMHERST HEALTH DEPARTMENT
256 - 4077

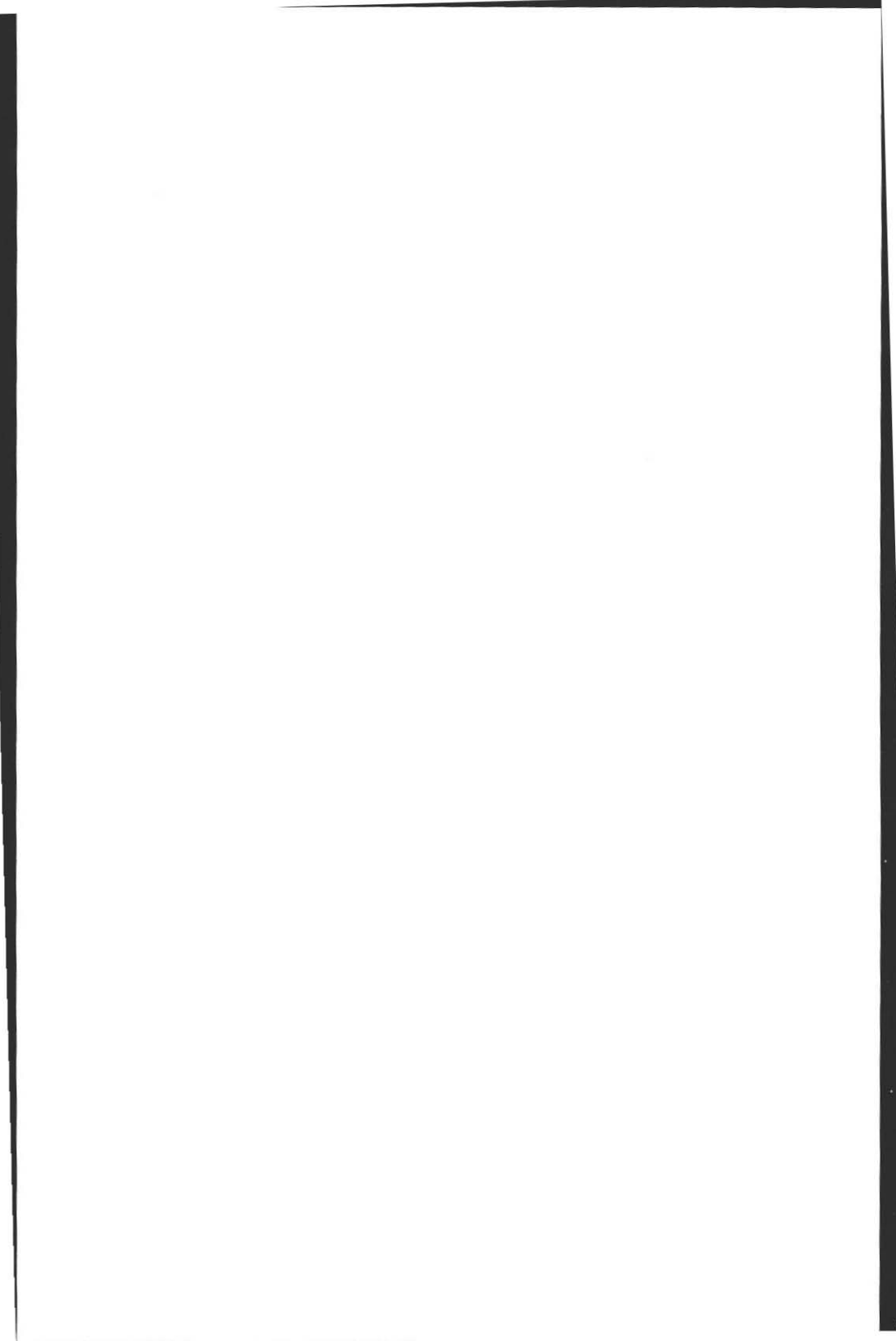
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No.....

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST

NOV 2 1986 FEB

Application for Disposal Works Construction Permit

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

ROUTE 116 (SUNDERLAND HIGHWAY)

Location - Address

or Lot No.

WALTER JONES

MONTAGUE RD. AMHERST

Owner

Address

L & F CONSTRUCTION

LEVERETT, MA.

Installer

Address

Type of Building..... Size Lot..... Sq. feet

Dwelling (X) No. of Bedrooms 6 Expansion Attic (No) Garbage Grinder (No)

Other - Type of Building..... No. of persons..... Showers () - Cafeteria ()

Other fixtures.....

Design Flow 110 gallons per person per day. Total daily flow 880 gallons.

Septic Tank (X) Liquid capacity 1500 gallons Length 10' Width 5' Diameter..... Depth 5'

Disposal Trench - No. Width 18' Total Length 40' Total leaching area 720 sq. ft.

Seepage Pit No. Diameter..... Depth below inlet..... Total leaching area..... sq. ft.

Other Distribution box (Yes) Dosing tank (Yes)

Percolation Test Results Performed by RICHARD LEWIS Date 4-24-86

Test Pit No. 1 2 minutes per inch Depth of Test Pit 6'-4" Depth to ground water 4'-2"

Test Pit No. 2..... minutes per inch Depth of Test Pit 6'-4" Depth to ground water 4'-2"

Description of Soil TO 8" LOAM; TO 17" SUBSOIL; TO 76" 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 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..... Date

Application Approved By..... Date

Application Disapproved for the following reasons:..... Date

Permit No.....

Issued..... 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.....

Installer

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

OF

No.....

FEE.....

Disposal Works Construction Permit

Permission is hereby granted..... to Construct () or Repair () an Individual Sewage Disposal System at No.....

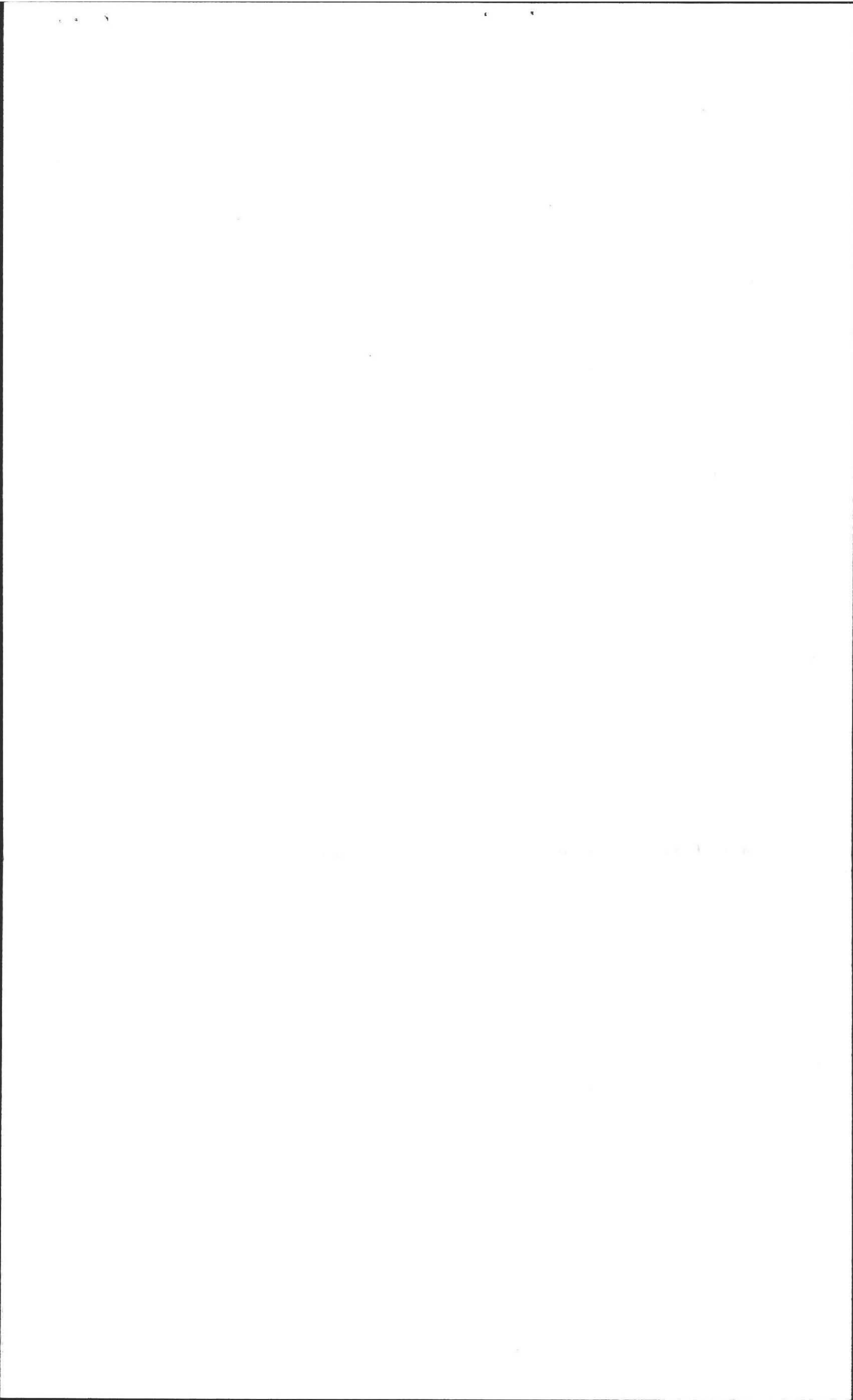
Street

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

Board of Health

DATE.....

CHECK OR FILL IN WHERE APPLICABLE



CHECK OR FILL IN WHERE

Disposal Trench - No. _____ Width _____ Total Length _____ Total Leaching Area _____ sq. ft.
 Seepage Pit No. _____ Diameter _____ Depth below inlet _____ Total Leaching Area _____ sq. ft.
 Other Distribution Box () Dosing tank ()
 Percolation Test Results Performed by _____ Date _____
 Test Pit No. 1 210 minutes per inch Depth of Test Pit _____ Depth to ground water _____
 Test Pit No. 2 _____ minutes per inch Depth of Test Pit _____ Depth to ground water _____

Description of Soil: SEE ATTACHED SHEETS

Nature of Repairs or Alterations - Answer when applicable _____

1) SET A T.B.M. REFER ALL ELEVATIONS TO IT.
 Take perc test @ elevation of leach system ±
 Check for ground water (2 deep holes, 10ft., 1 @ proposed 1 @ auxiliary)
 Sketch house, well, street, proposed tank & leach area, slope of ground, brooks, rough levels
 Locate any walls within 200' of test hole
 Saturate test hole 15 minutes min. (30 min Monson)
 Time for 10 minutes min., if over 10 min/in let set 30 min. time again
 Name of backhoe operator and/or Contractors name

BACKHOE DEPTH #1 6'4" #2 6'4" PERC TEST HOLE DEPTH #1 44" #2 _____

loam	8"	9"
brown or yellowish dirt	17"	17"
other, estimate % of clay, silt, sand, etc.	Sand	Sand
"to bottom of backhoe hole		

	TIME	MEAS.	TIME	MEAS.
TEST @	9:27	6"		
"	9:56	12"		
"	10:00	9"		
"				

Descriptions	
boulder	12
cobble	3-1
coarse gravel	3/4-
fine gravel	1/4-
coarse sand	1/16-
medium sand	5/16
fine sand	power

NOTES:
 DATE: 4/24/87
 BY:
 INSPECT: Charlie Prude
 BACKHOE:

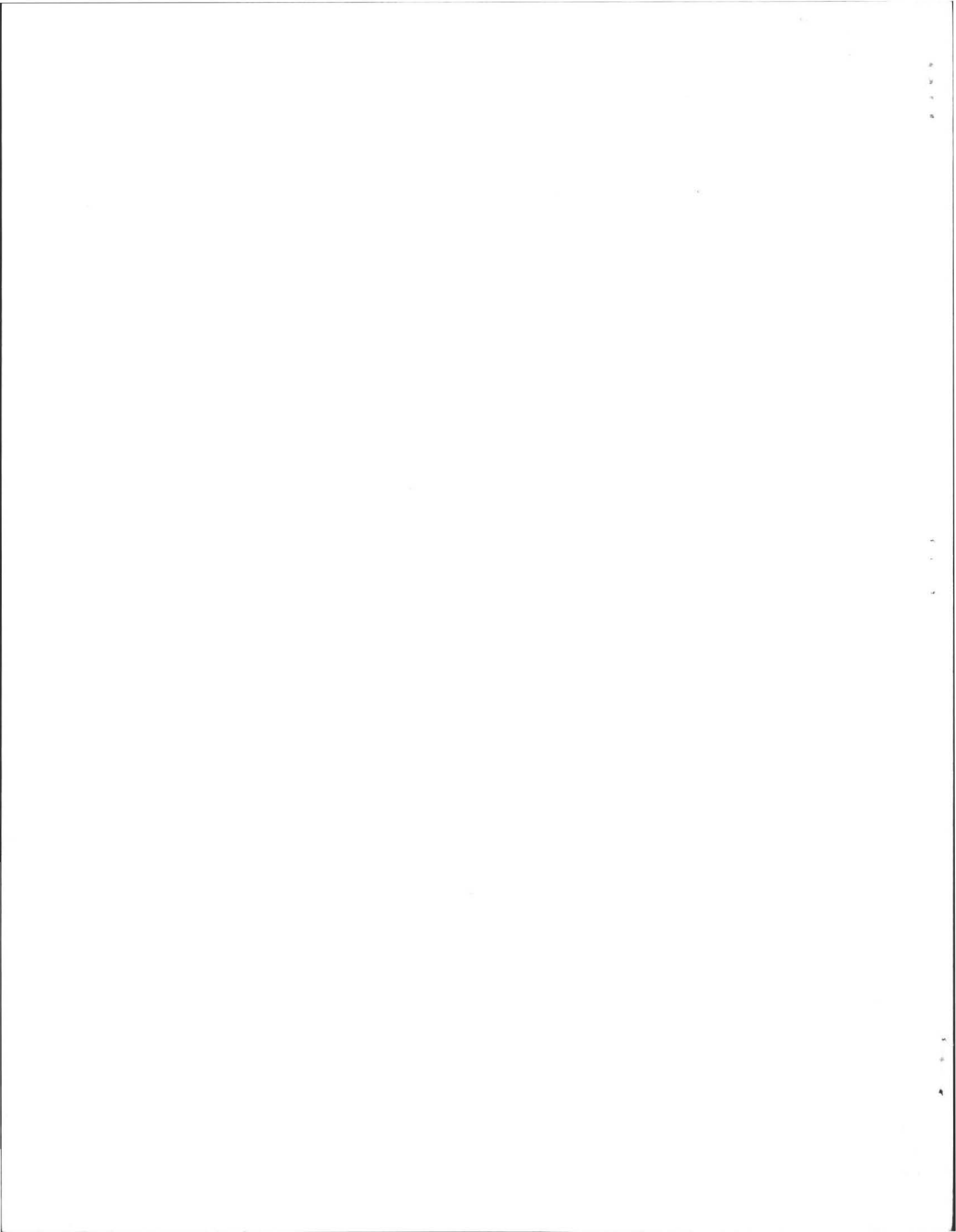
Test for clay & silt
 1. Roll a thread of soil in
 a) breaks or very weak -
 b) firm - clay

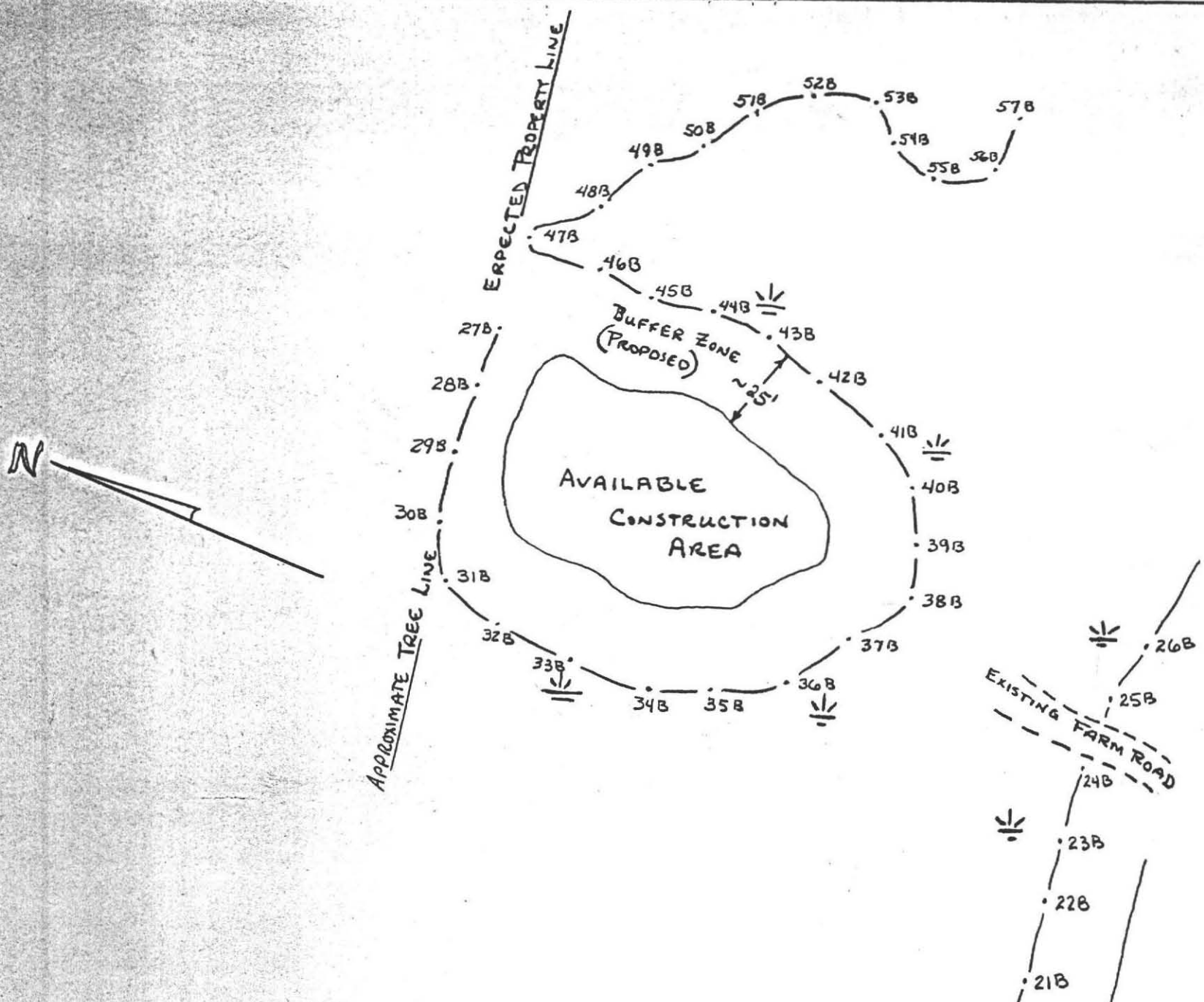
Handwritten note: Handwritten note: 420 50"

NOTICE OF INTENT
 I.D. LETTER F

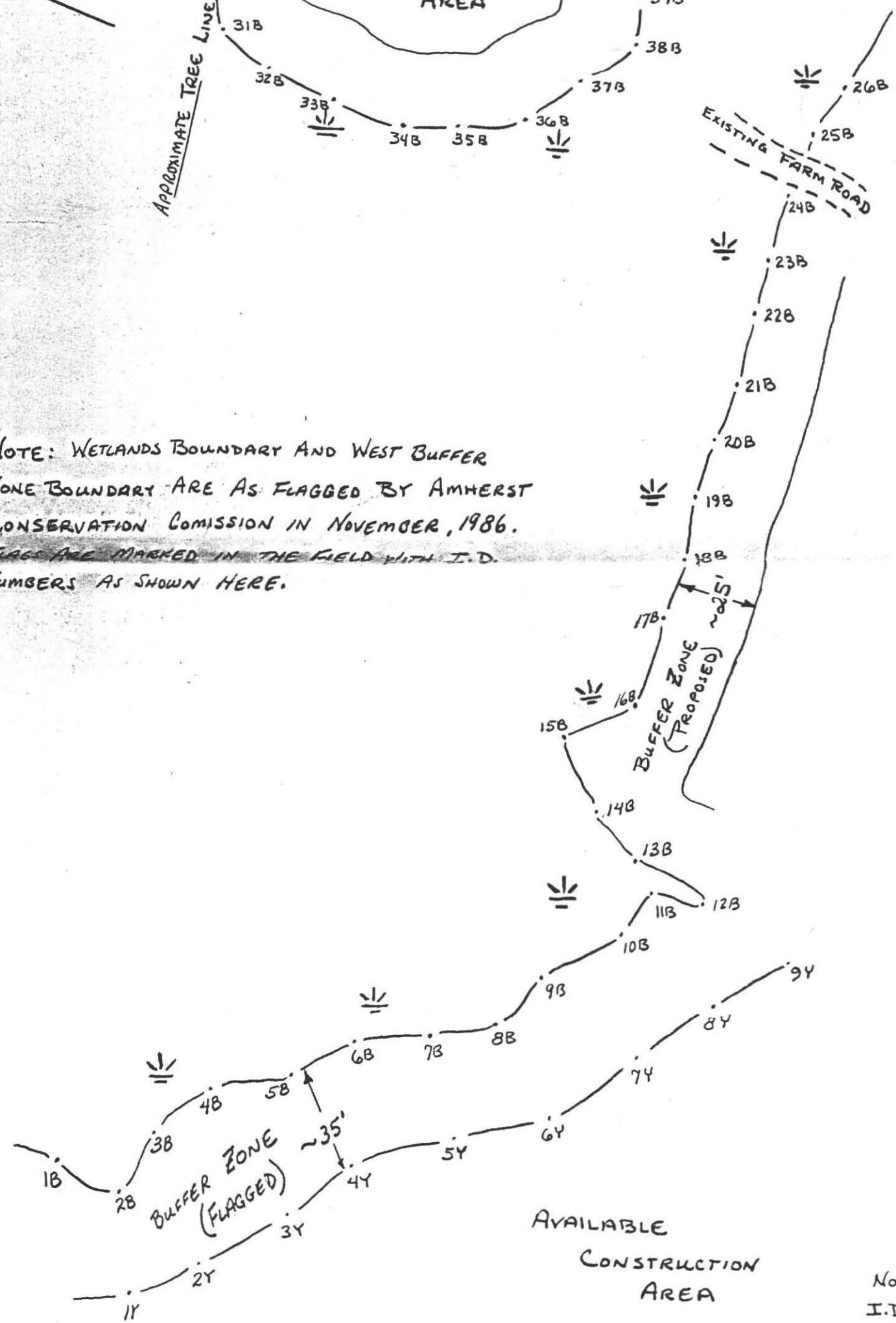
This is 114 Rt. - Jeffrey Wood

NOV 2 1988



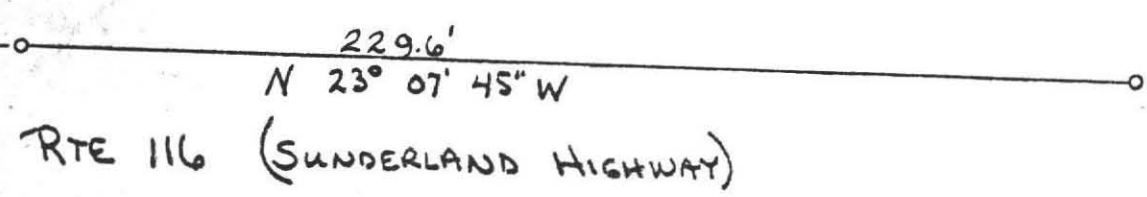


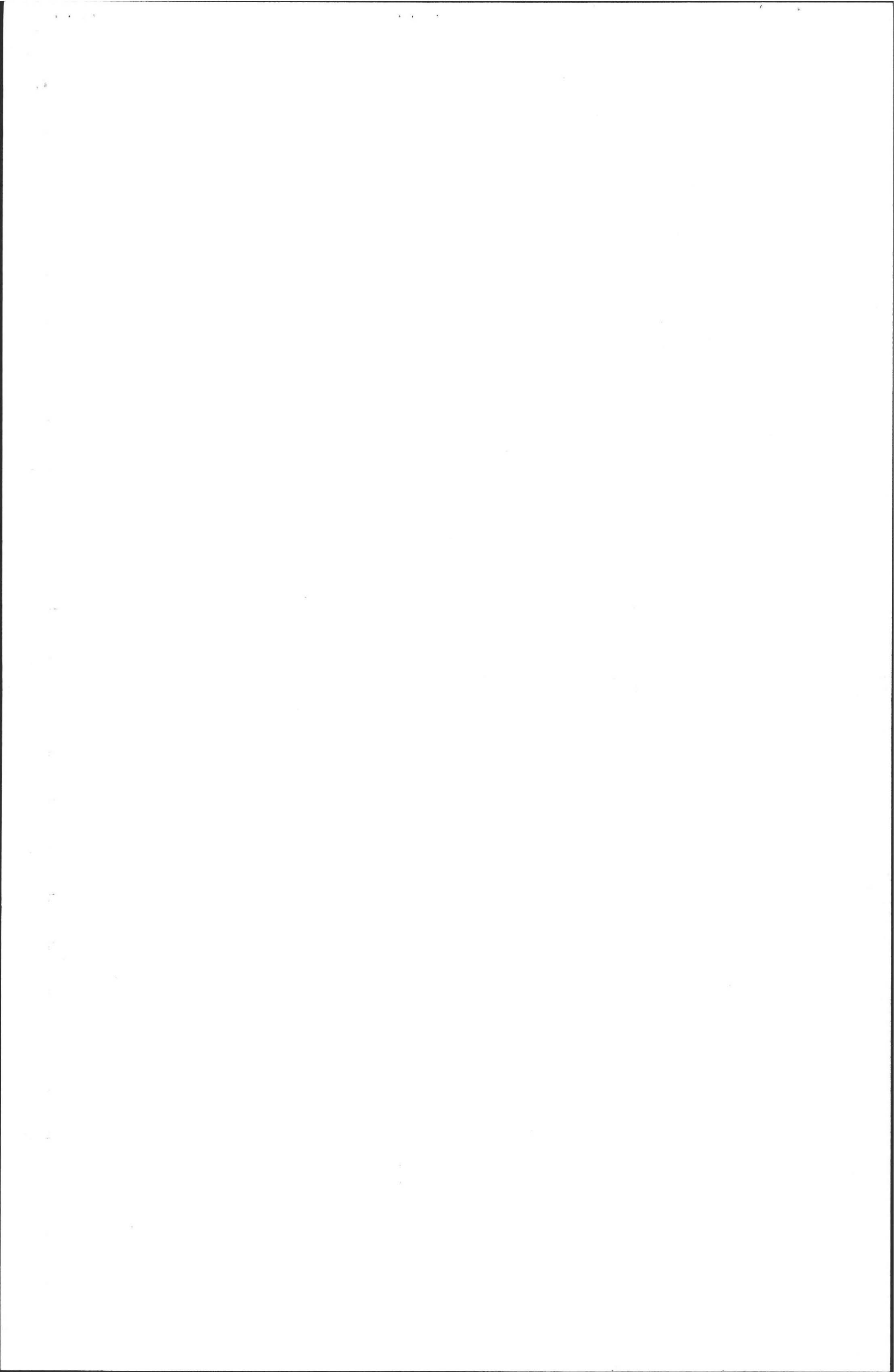
NOTE: WETLANDS BOUNDARY AND WEST BUFFER ZONE BOUNDARY ARE AS FLAGGED BY AMHERST CONSERVATION COMMISSION IN NOVEMBER, 1986. FLAGS ARE MARKED IN THE FIELD WITH I.D. NUMBERS AS SHOWN HERE.



NOTICE OF INTENT
I.D. LETTER B

LAYOUT OF EXISTING FEATURES
AT RTE 116 AMHERST
FOR: JEFFREY WOOD
BY: RICHARD SCOTT, P.E.
SCALE: 1" = 40' DATE: 12-7-86





SYSTEM DESIGN CALCULATIONS

6 BEDROOM X 110 GAL PER BEDROOM PER DAY = 660 G.P.D. DESIGN FLOW (NO GARBAGE GRINDER)

MINIMUM EFFECTIVE SEPTIC TANK VOLUME = 1.5 X 660 = 990 GALLONS

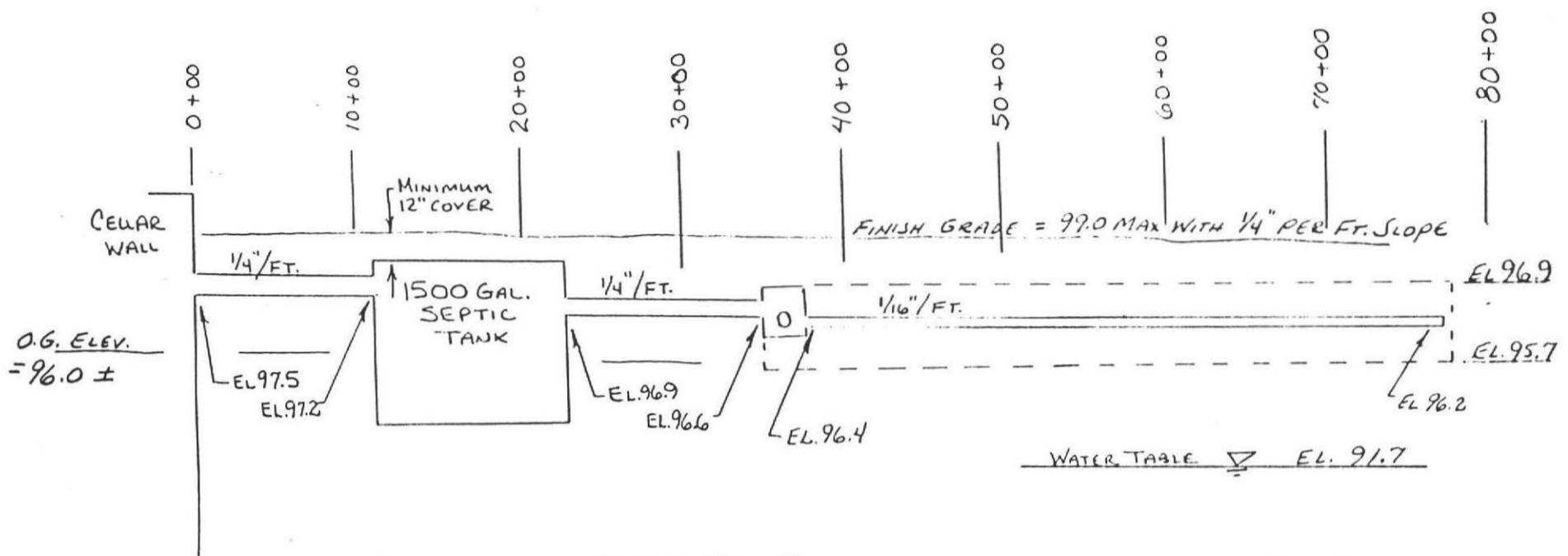
SPECIFIED EFFECTIVE TANK VOLUME = 1500 GALLONS.

PERCOLATION RATE = 2 MINUTES PER INCH → DESIGN LOADING = 1.0 SQ. FT. PER GALLON FOR BOTTOM LEACHING ONLY.

MINIMUM LEACH FIELD BOTTOM AREA = 660 X 1.0 = 660 SQ FT

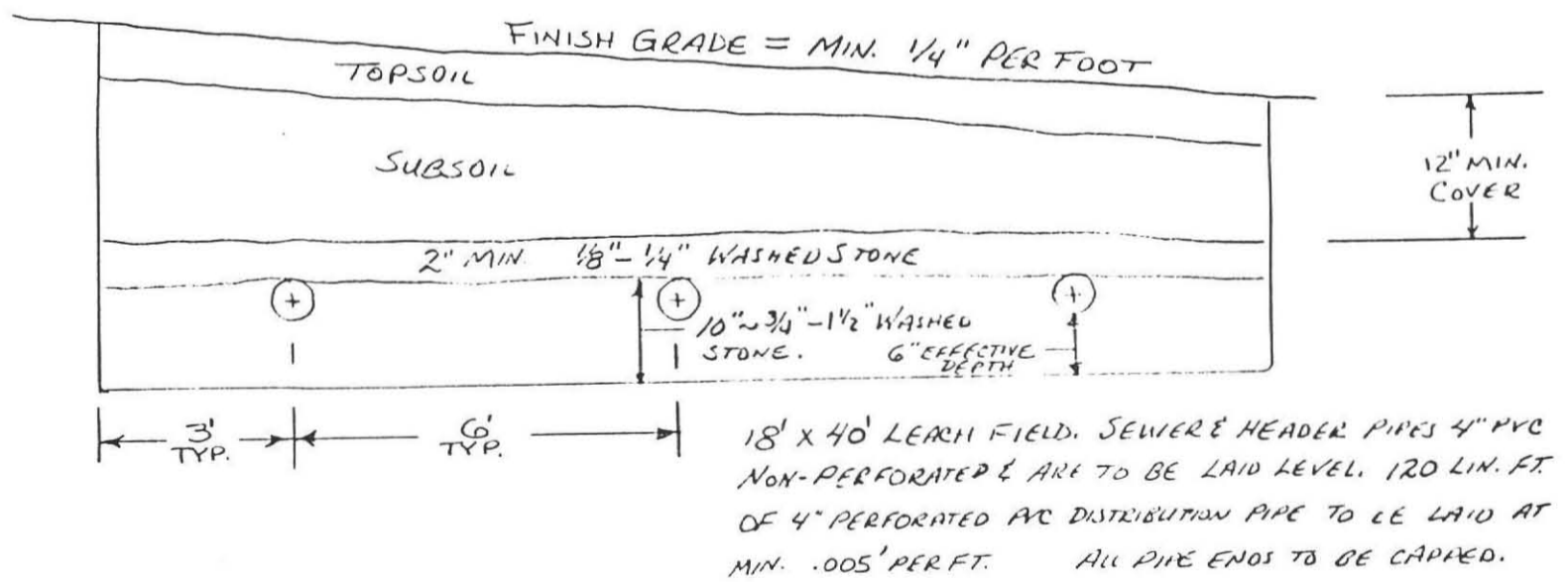
LEACH FIELD AREA SPECIFIED FOR THIS SITE = 18' X 40' = 720 SQ. FT.

SPECIFICATION: ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH MASSACHUSETTS D.E.Q.E. STATE ENVIRONMENTAL CODE TITLE 5.



SYSTEM PROFILE ~ SECTION PARALLEL TO FLOW

SCALE: HORIZ: 1" = 10' VERT: N.T.S.



LEACH FIELD PROFILE ~ SECTION PERPENDICULAR TO FLOW

SCALE: HORIZ: 1" = 3' VERT: N.T.S.



PROPOSED SEPTIC SYSTEM DESIGN

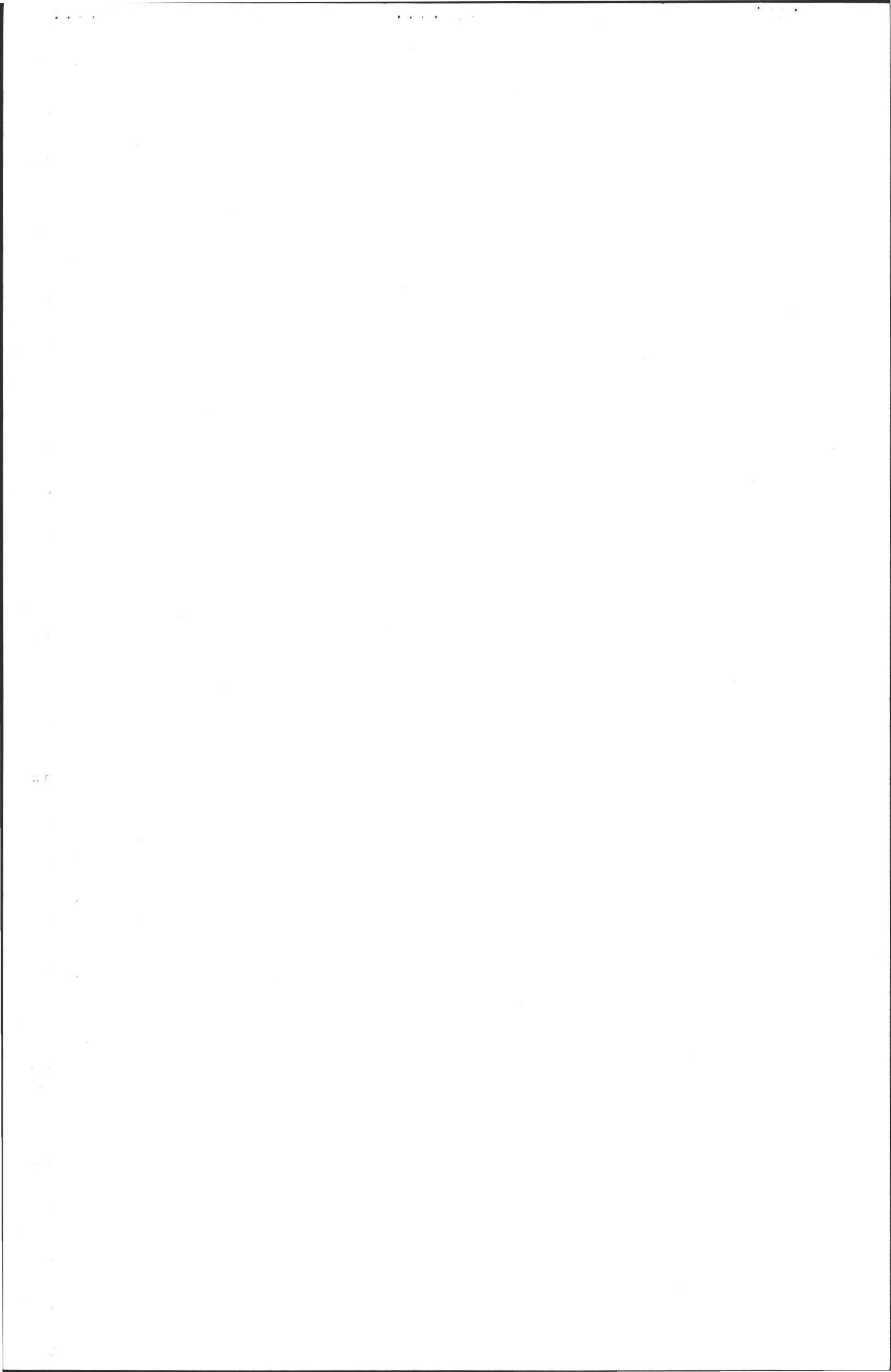
FOR: JEFFREY WOOD

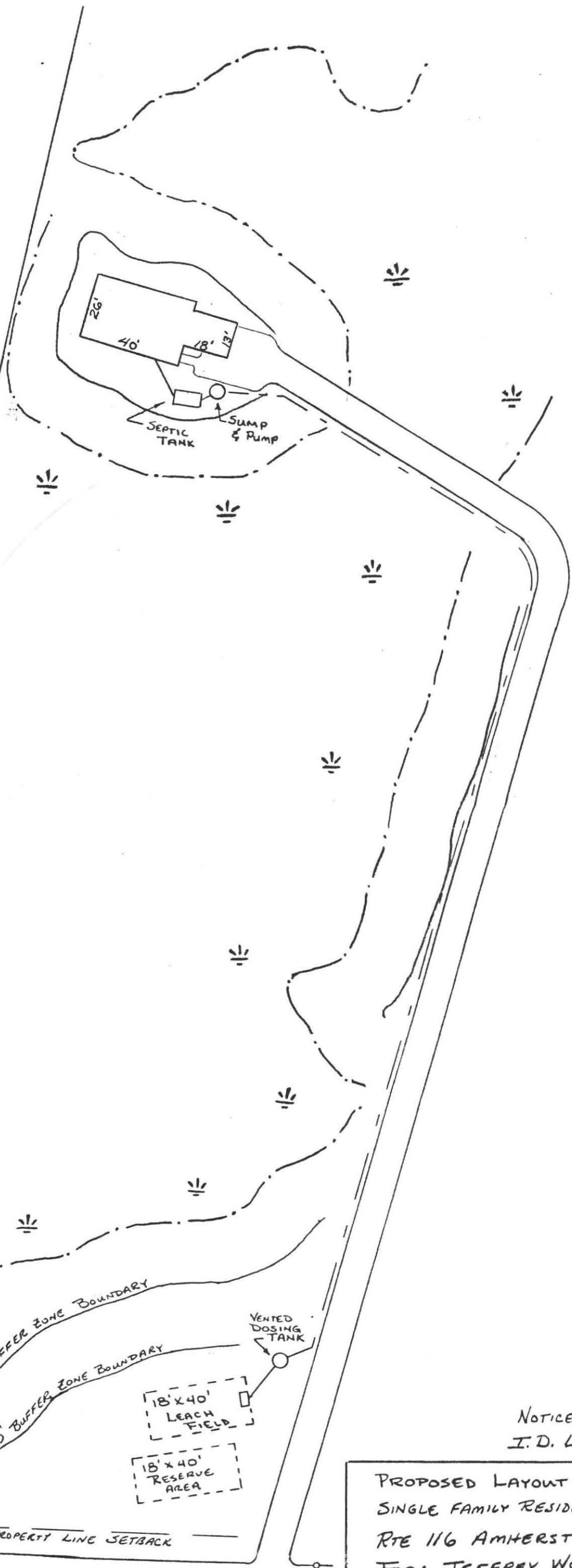
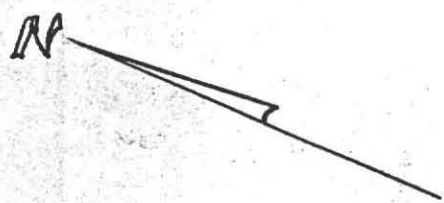
RTE 116 AMHERST, MASSACHUSETTS

PREPARED BY: RICHARD SCOTT, P.E.

SCALE: AS SHOWN

DATE: 10-14-86



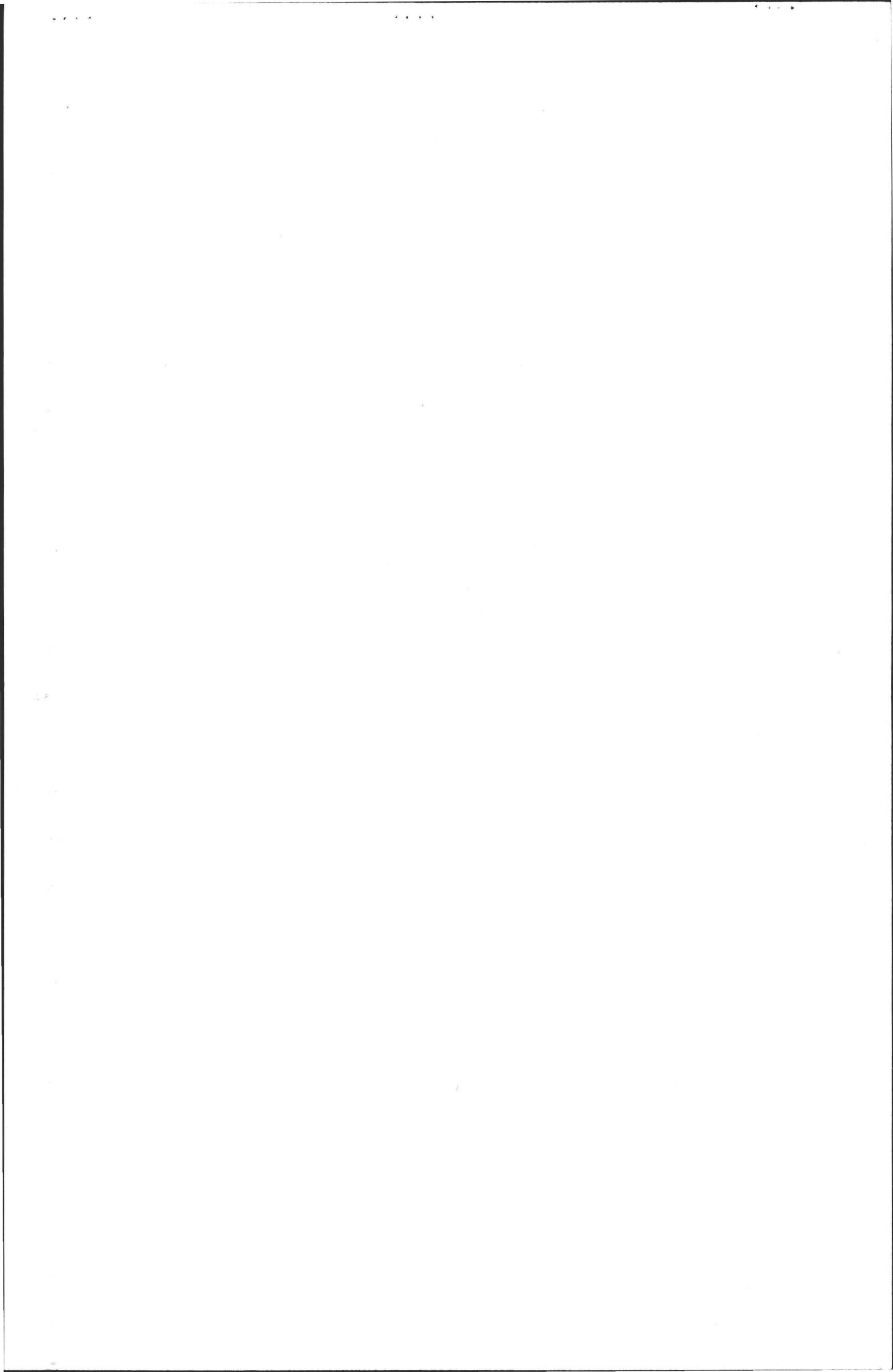


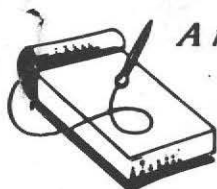
RTE 116 (SUNDERLAND ROAD)

NOTICE OF INTENT
I. D. LETTER C

PROPOSED LAYOUT FOR
SINGLE FAMILY RESIDENCE AT
RTE 116 AMHERST
FOR: JEFFREY WOOD
BY: RICHARD SCOTT, P.E.
SCALE: 1" = 40' DATE 3-21-87

REVISED: 11-1-88 ADDED 50' SETBACK ZONES, MOVED RESERVE





A note from

JUN 13 1989

JEFF WOOD

RED #3

Amherst, MA.

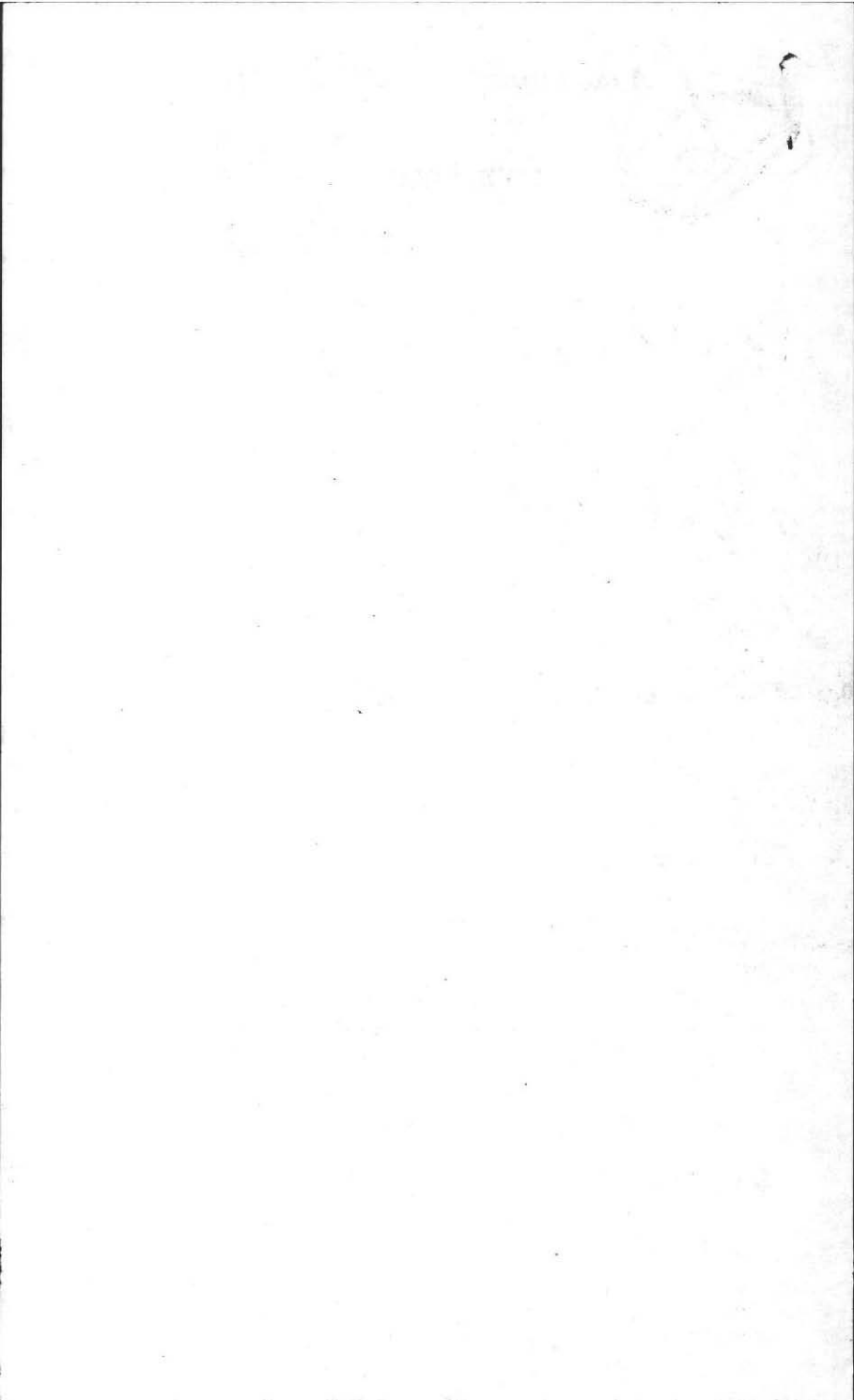
June 10, 1989

Dear Mrs. Frederick;

Enclosed is a list of
neighbors adjacent to my
property on route 116, concerning
the variance request.

I hope this will be useful
to you.

Jeff Wood



November 3, 1988

312 Leverett Road
Amherst, MA 01002

This is to inform you that the Town of Amherst Board of Health is requiring us to apply for a variance regarding our septic system on Route 116, Amherst (Assessor's map 2A, parcel 5, page 427, 10½ acres), in order to receive a certificate of compliance.

Consequently, there will be a meeting to discuss this request for variance and the variances at the next scheduled meeting of the Board of Health.

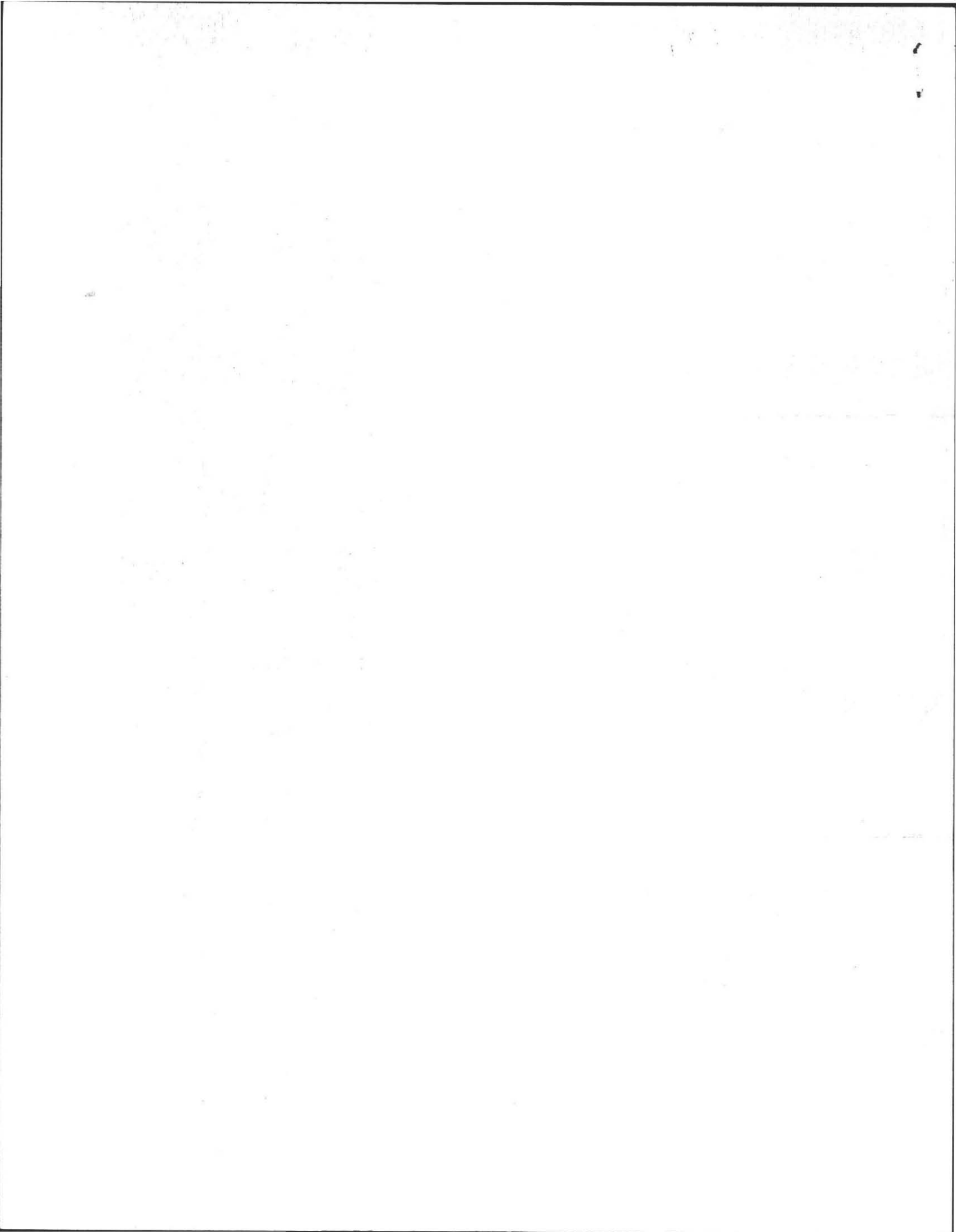
The next scheduled meeting will be held on November 22, 1988 at 7:00 p.m. at the Bangs Community Center, Room 318, Amherst.

Sincerely,

Jeffrey Wood

Sent copies to:

~~M & M Zwinakis~~ - 456 Sunderland
Mr. Ed Szala - 82 Comins
~~M & M Rocasah~~ - Sunderland Rd
Mr. Roger Chang -
WMECO
~~M & M Bergstrom~~ - 515 Sunderland
Assessor's Office: Amherst



AMHERST BOARD OF HEALTH
Public Hearing
Variance to Title V

Date: November 22, 1988

Present: Awad, Calhoun, Stein and Reed

Staff: Frederic and Zarozinski

Guests: Richard Scott, Chris LeeKeenan, Don Maia (for Mr. and Mrs. Joseph Rocasah - Sunderland Road), Jim Johnson, Tony Szala, Roger Bacon, Joseph A. Wilhelm (Attorney for Jeff Wood), Jeff Wood

324 Alpine Dr.

Sunderland Rd.

Joseph 1102 N Pleasant

Hearing Officer: Alan Calhoun, M.D.

Request from Mr. Jeff Wood for his property on Sunderland Road off Route 116 for a Variance to Title V Local Exception of Distance to a Wetland.

III. No private sewage disposal system shall be located nearer than 100 feet from any water course, stream or pond.

Calhoun: "Who would like to come forward and state the problem?"

Wilhelm: "Same problem, we were here for before. Mr. Wood has gaggles of lots with this little problem. This is the second in a series. Everything got approved earlier by your representative and the Town."

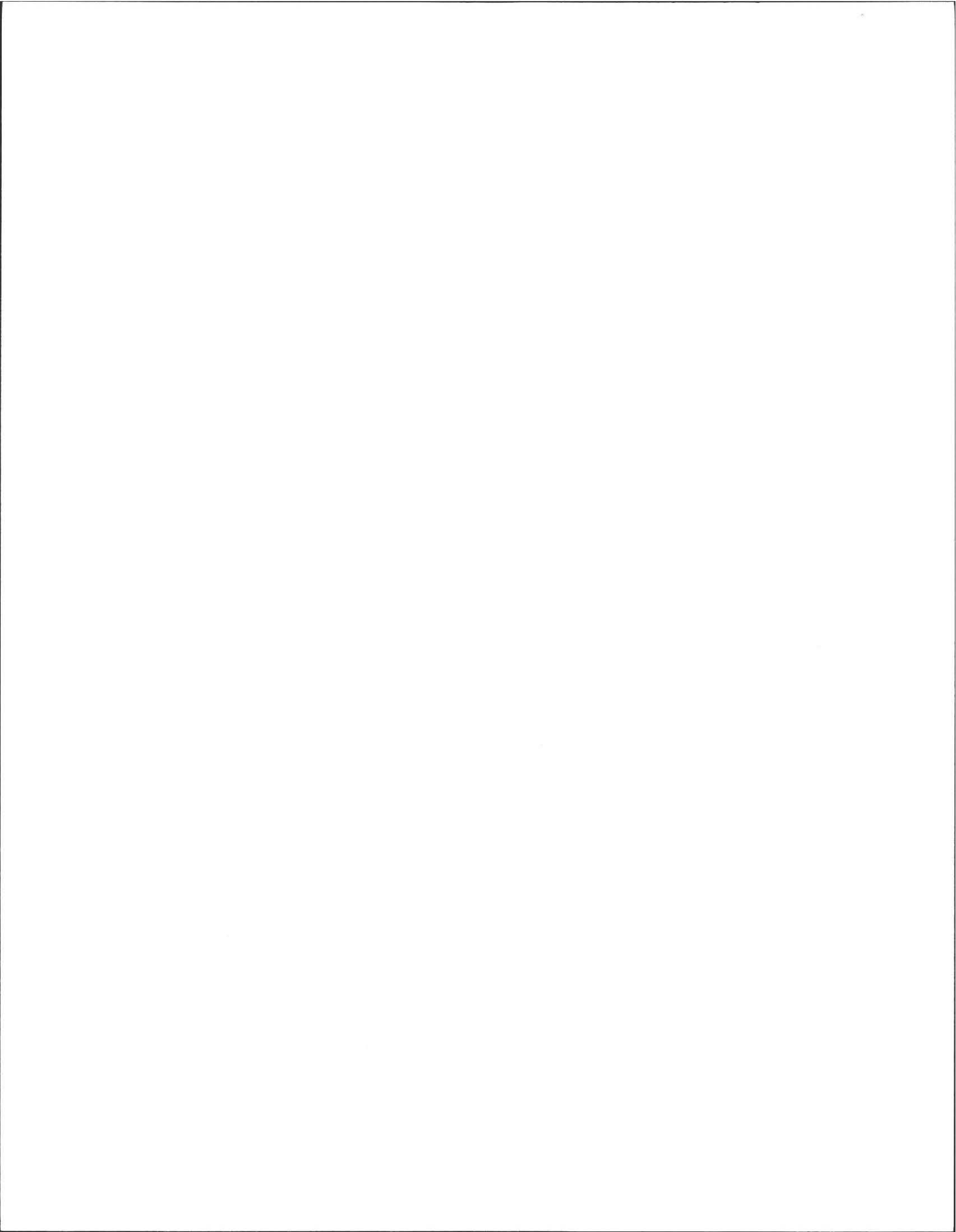
"We meet Title V, but we do not meet Amherst Supplemental Regulation #3. It is our feeling that the wetlands is safe not causing any problem. We have a letter from Mr. Pinski. I don't know if there is an objective from Mr. Pinski. I don't know if this is a problem, but if so, Rich is here to answer specific technical questions."

Calhoun: [Read into the record, the Conservation Commission report dated November 22, 1988] "...However, the wetland line that is shown on the site plan that you forwarded to this office is the same one that we have on file and as long as the "no work" line and all setback lines specified in the Order of Conditions are maintained, the Commission most likely would have no objection to the new dwelling location."

Calhoun: "Where does this water go?"

? "It drains into the Dickinson pond."

Maia: "It's wet there and the septic system, it it isn't working, it will overflow and contaminate the pond."



Town of



AMHERST

Massachusetts

Bettye Anderson Frederic, Director

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

May 8, 1989

Peter Westover
Conservation Commission
Town Hall
Amherst, MA 01002

Dear Peter:

On May 3, 1989 I received a letter from Mr. Richard Scott, P.E. regarding Jeffrey Wood's property (10 1/2A Assessor's Map 2A, Parcel 5, Book 1230, Page 427 - Hampshire Registry of Deeds) located on Route 116 in Amherst.

At our November 22, 1988 meeting the Board of Health extended the current septic application for 6 months (June 1989) to give Mr. Wood's engineer, Mr. Scott, time to provide flow data and water impact which could lead to a system failure.

Mr. Scott has responded to our request (copy enclosed). Therefore, we will set up an appointment, with the Board of Health at approximately 7:15 pm in Room 318 of the Bangs Community Center, for Mr. Wood on Wednesday, May 17, 1989.

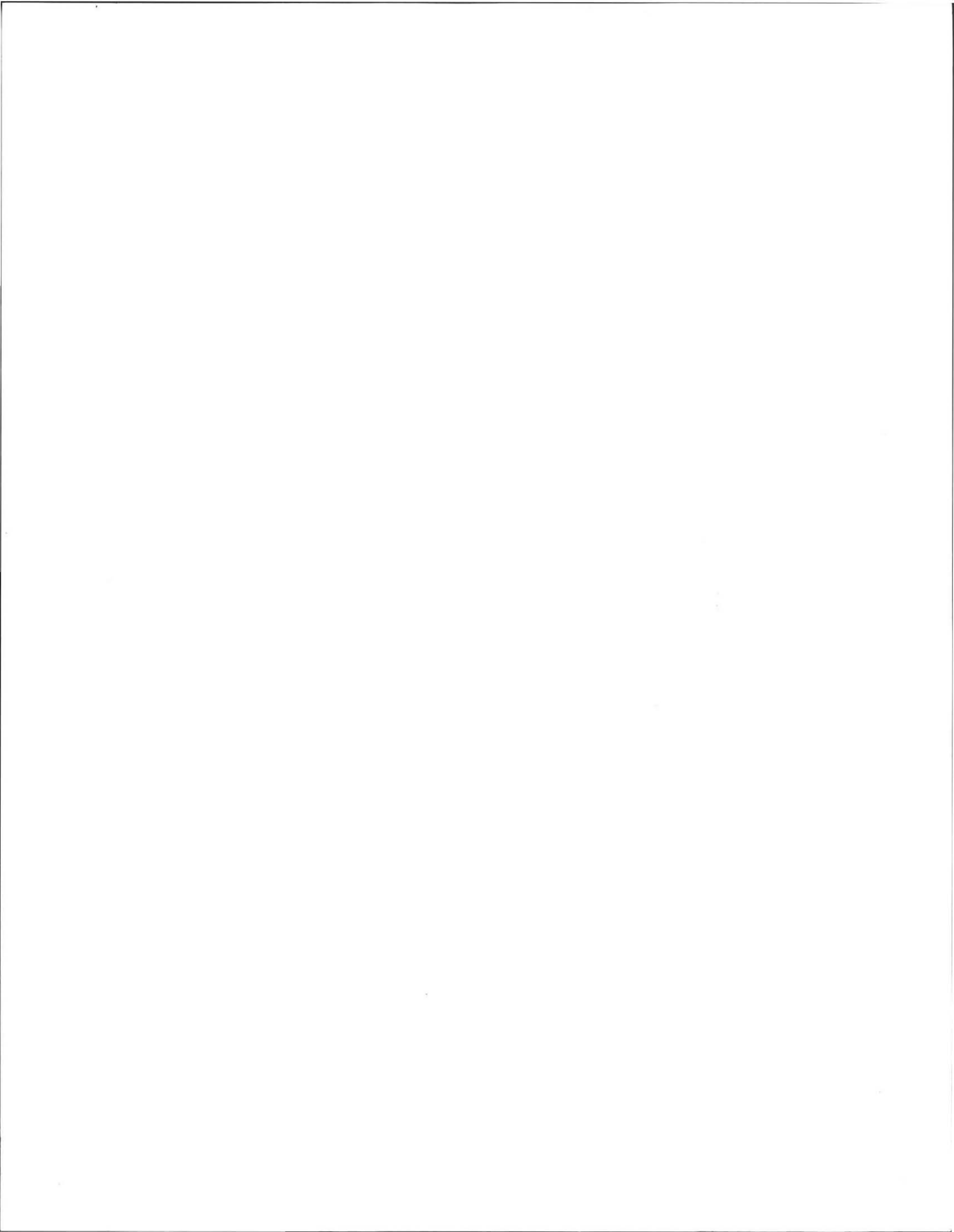
If you have any questions regarding this matter, please feel free to call me.

Sincerely,

David Zarozinski
Sanitarian

cc: Richard Scott
Jeff Wood

DZ/lt



Town of



AMHERST *Massachusetts*

Bettye Anderson Frederic, Director

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

April 5, 1989

Jeffrey Wood *549 1764*
Valley Wellspring Corporation
R.F.D. #3
Amherst, MA 01002

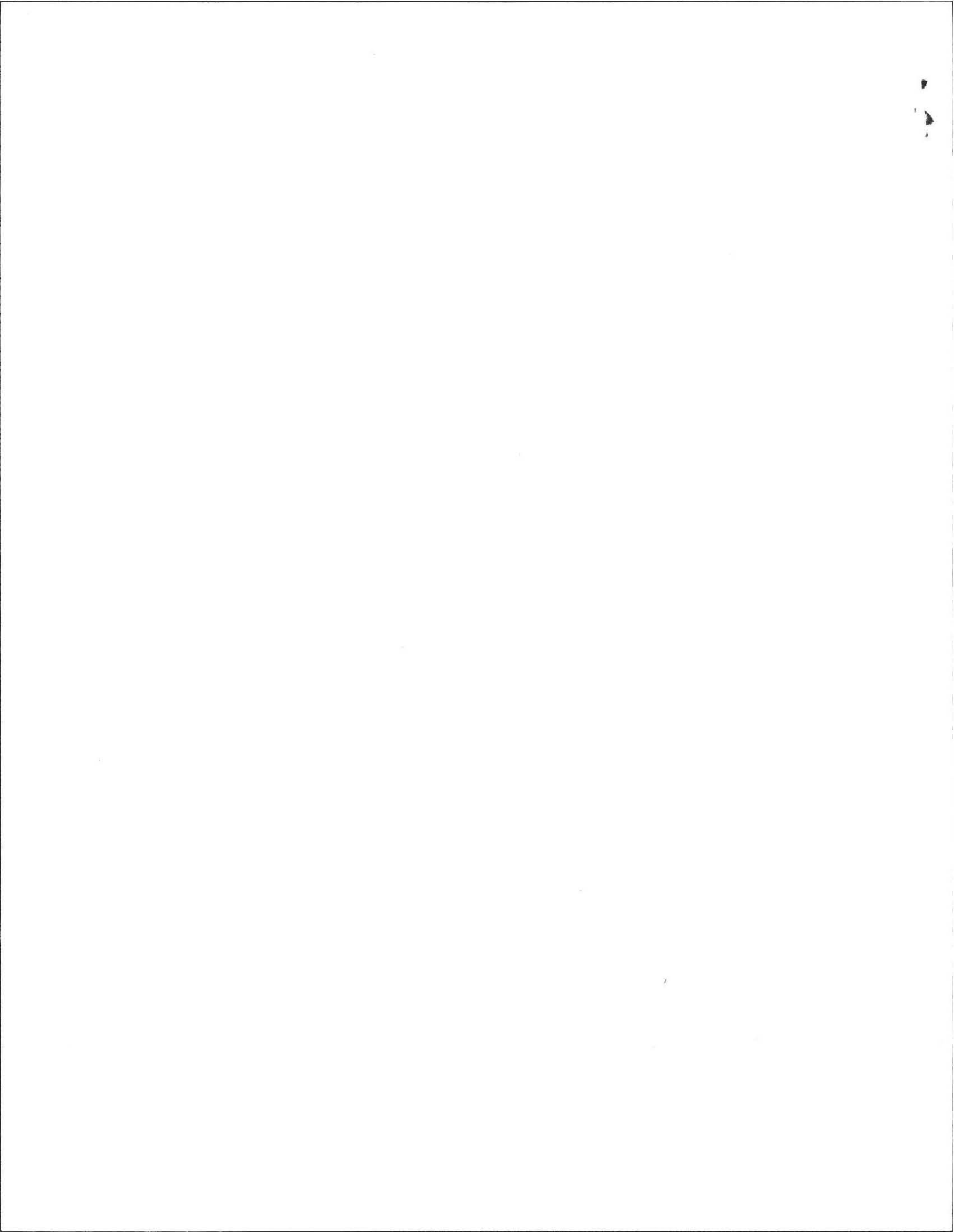
Dear Mr. Wood:

Richard Scott was to contact me to set a time to go out and walk the property you are requesting a variance on. As of this date, I have not heard from Mr. Scott.

Sincerely,

David Zarosinski
David Zarosinski
Sanitarian

cc: Richard Scott



VALLEY WELLSRING CORPORATION

R.F.D. #3
Amherst, MA 01002
(413) 549-1764

APR 4 1989

April 3, 1989

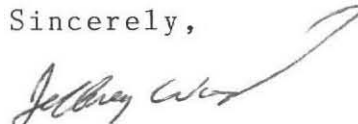
Amherst Board of Health
Boltwood Walk
Amherst, MA 01002

Gentlemen:

I am writing to request a second meeting of the Board of Health to consider our application for a variance for a septic field within 100 feet of a wetland at Map #2A, Parcel 5, Route 116, Amherst.

Please let us know the date, time and location of this meeting.

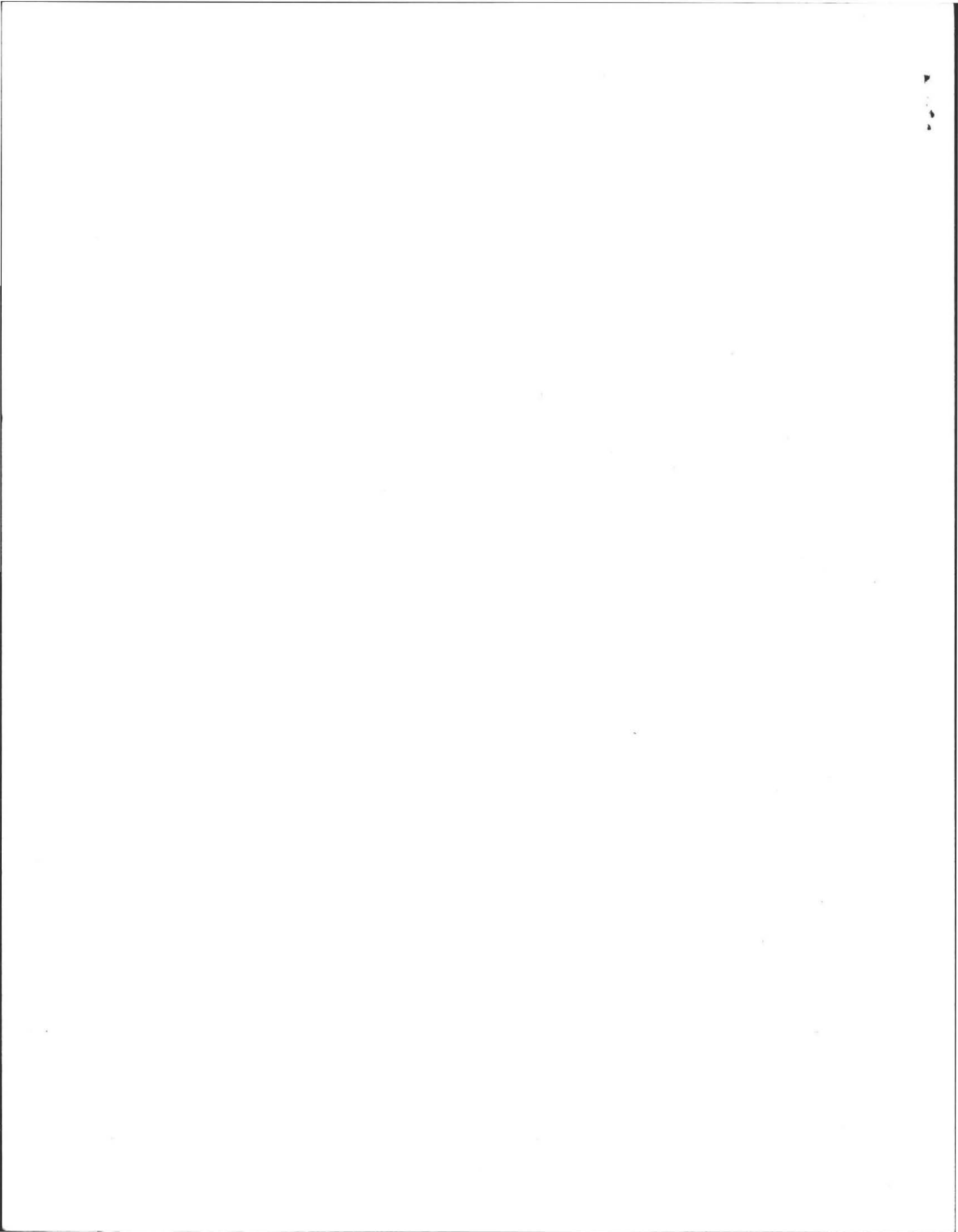
Sincerely,



Jeffrey Wood

/sc

cc: Rick Scott



MAR 03 1990

Richard Scott P.E.
31 Shutesbury Road
Pelham, Ma. 01002

May 1, 1989

David Zarozinski
Health Agent
Bangs Center
Amherst, Ma. 01002

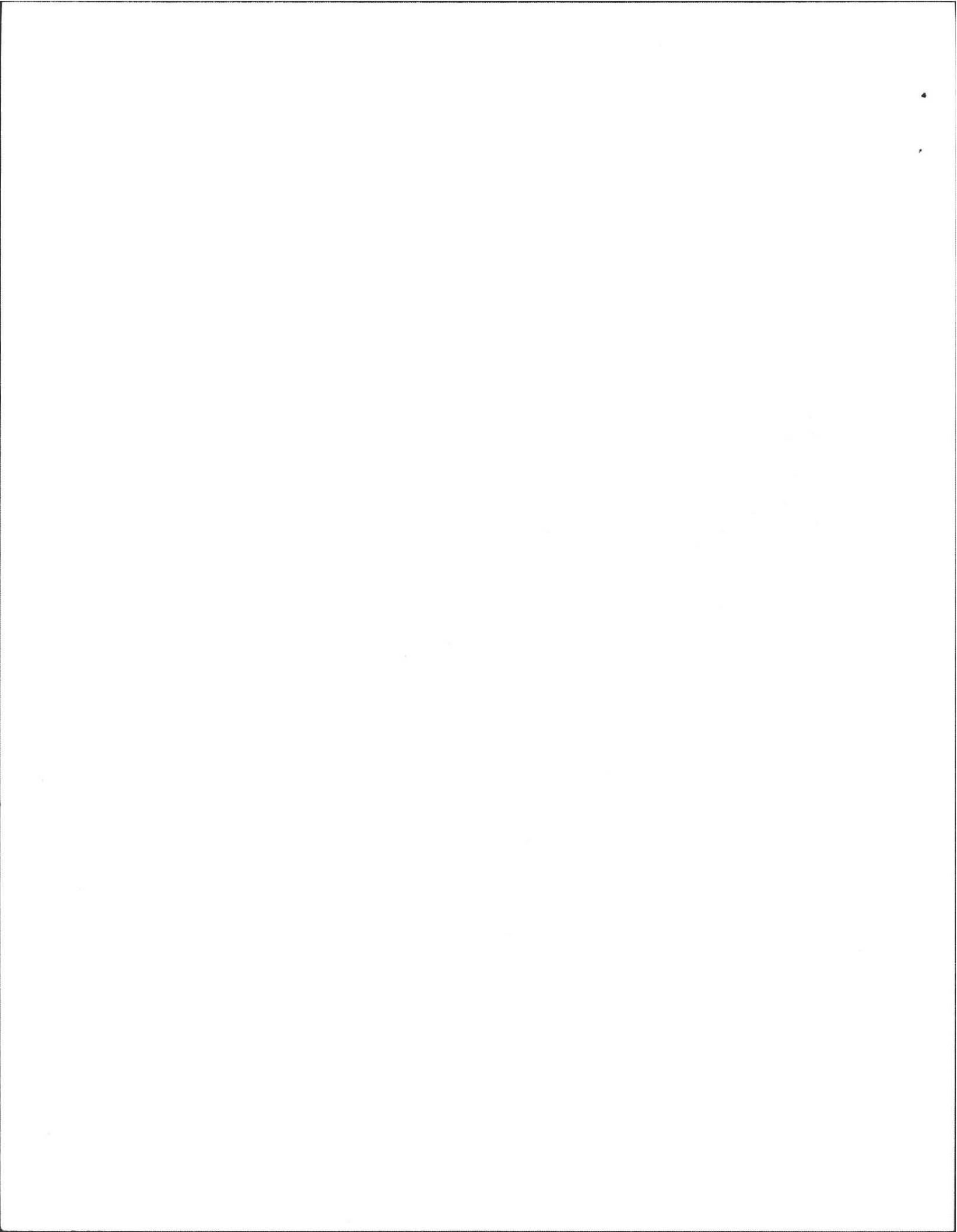
Subject: Route 116 Property of Jeffery Wood

On Friday I spoke by telephone with Mrs. Frederic about the Board's request for flood data in the area of this property. What follows is a recount of the information I gave her by telephone.

On Wednesday morning April 26, I walked this property with you. That inspection is documented in my letter of April 27 to Jeffery Wood. Apparently on April 28, Mr. Wood asked to have his variance hearing re-scheduled. He was asked, and in turn asked me, to provide flood data for the site.

Later in the morning on Friday April 28, I called the Soil Conservation Service offices in Hadley and in Amherst. I spoke to the Chief Engineer, Karl Gustafson and to the Hydraulics Engineer, Peter Verdi. Mr. Verdi reviewed for me the flood data prepared by the Federal Emergency Management Agency. (FEMA) He cautioned me that the maps only cover areas where there is concern for flood damage. Small watersheds have not been mapped. The area of this site is shown on the FEMA maps as a back water of Swamp Brook. Swamp Brook is a tributary to Mill River. Flood areas are mapped only for the Mill River watershed.

At the confluence of Swamp Brook and Mill River the 100 year flood level is 156 feet. No further detail is shown for Swamp Brook or the backwater. According to USGS maps, the area of the wetland on Mr. Wood's site is at elevation 165 feet.



I expressed to Mrs. Frederic that further research on the site would require a significant engineering effort. She asked that you be given this status. She has asked to be notified when you receive this documentation so she can schedule Mr. Wood's hearing.

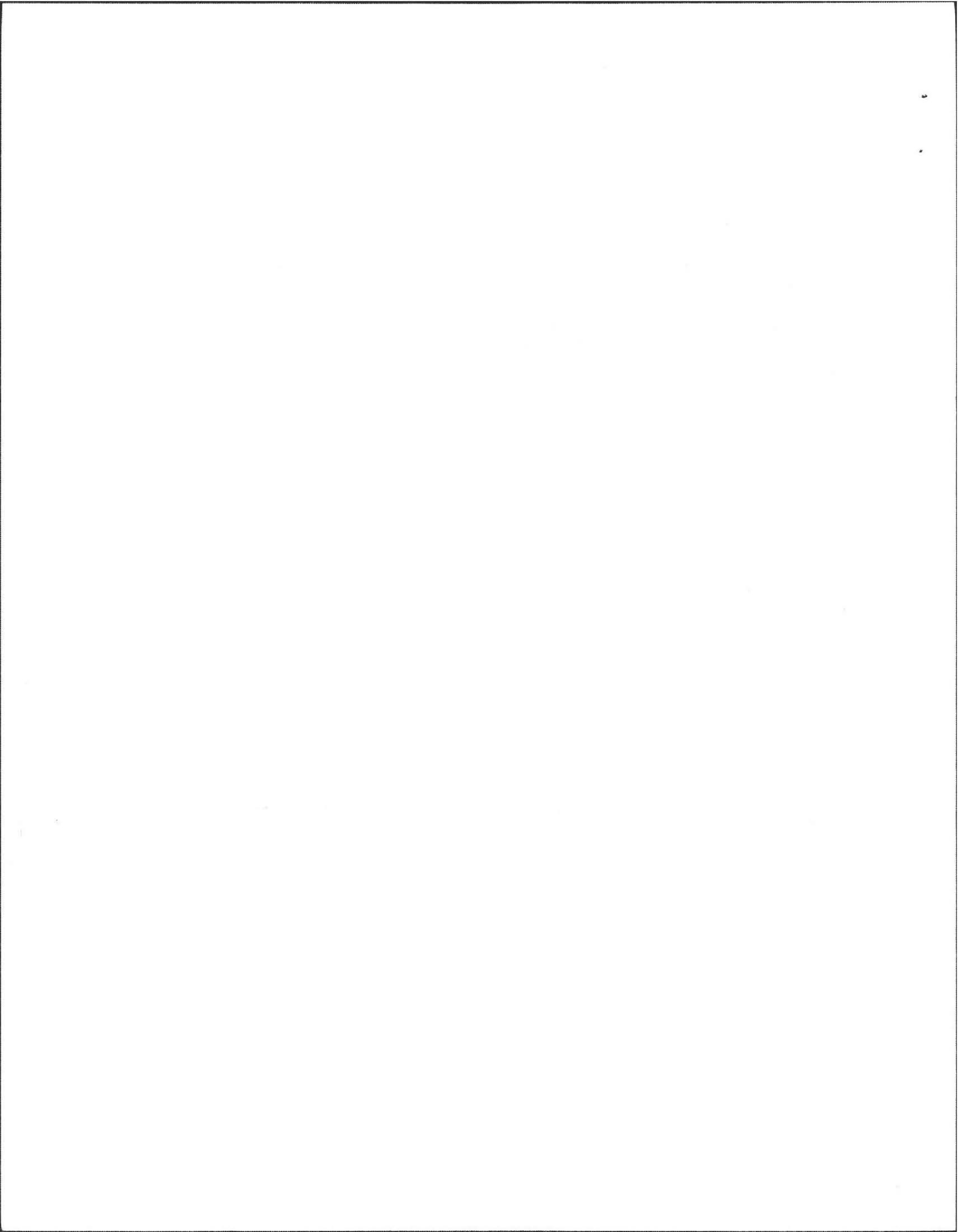
Please contact me if you need further information.

Sincerely,

A handwritten signature in cursive script, reading "Richard Scott". The signature is written in black ink and has a long, sweeping horizontal line extending to the right.

Richard Scott P.E.

cc: Mrs. Frederic
Jeffery Wood



MAY 03 1990

Richard Scott P.E.
31 Shutesbury Road
Pelham, Ma. 01002

May 1, 1989

David Zarozinski
Health Agent
Bangs Center
Amherst, Ma. 01002

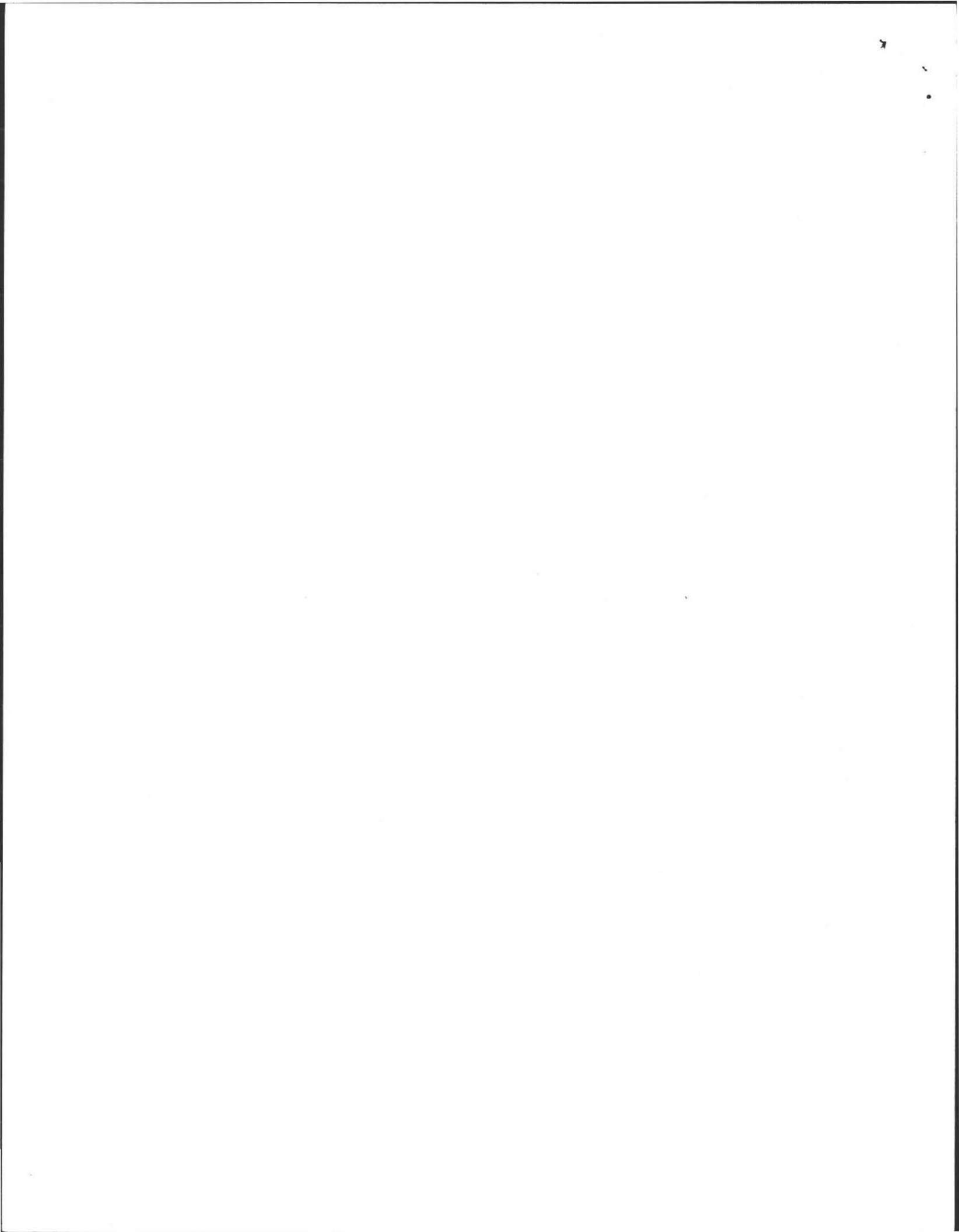
Subject: Route 116 Property of Jeffery Wood

On Friday I spoke by telephone with Mrs. Frederic about the Board's request for flood data in the area of this property. What follows is a recount of the information I gave her by telephone.

On Wednesday morning April 26, I walked this property with you. That inspection is documented in my letter of April 27 to Jeffery Wood. Apparently on April 28, Mr. Wood asked to have his variance hearing re-scheduled. He was asked, and in turn asked me, to provide flood data for the site.

Later in the morning on Friday April 28, I called the Soil Conservation Service offices in Hadley and in Amherst. I spoke to the Chief Engineer, Karl Gustafson and to the Hydraulics Engineer, Peter Verdi. Mr. Verdi reviewed for me the flood data prepared by the Federal Emergency Management Agency. (FEMA) He cautioned me that the maps only cover areas where there is concern for flood damage. Small watersheds have not been mapped. The area of this site is shown on the FEMA maps as a back water of Swamp Brook. Swamp Brook is a tributary to Mill River. Flood areas are mapped only for the Mill River watershed.

At the confluence of Swamp Brook and Mill River the 100 year flood level is 156 feet. No further detail is shown for Swamp Brook or the backwater. According to USGS maps, the area of the wetland on Mr. Wood's site is at elevation 165 feet.



I expressed to Mrs. Frederic that further research on the site would require a significant engineering effort. She asked that you be given this status. She has asked to be notified when you receive this documentation so she can schedule Mr. Wood's hearing.

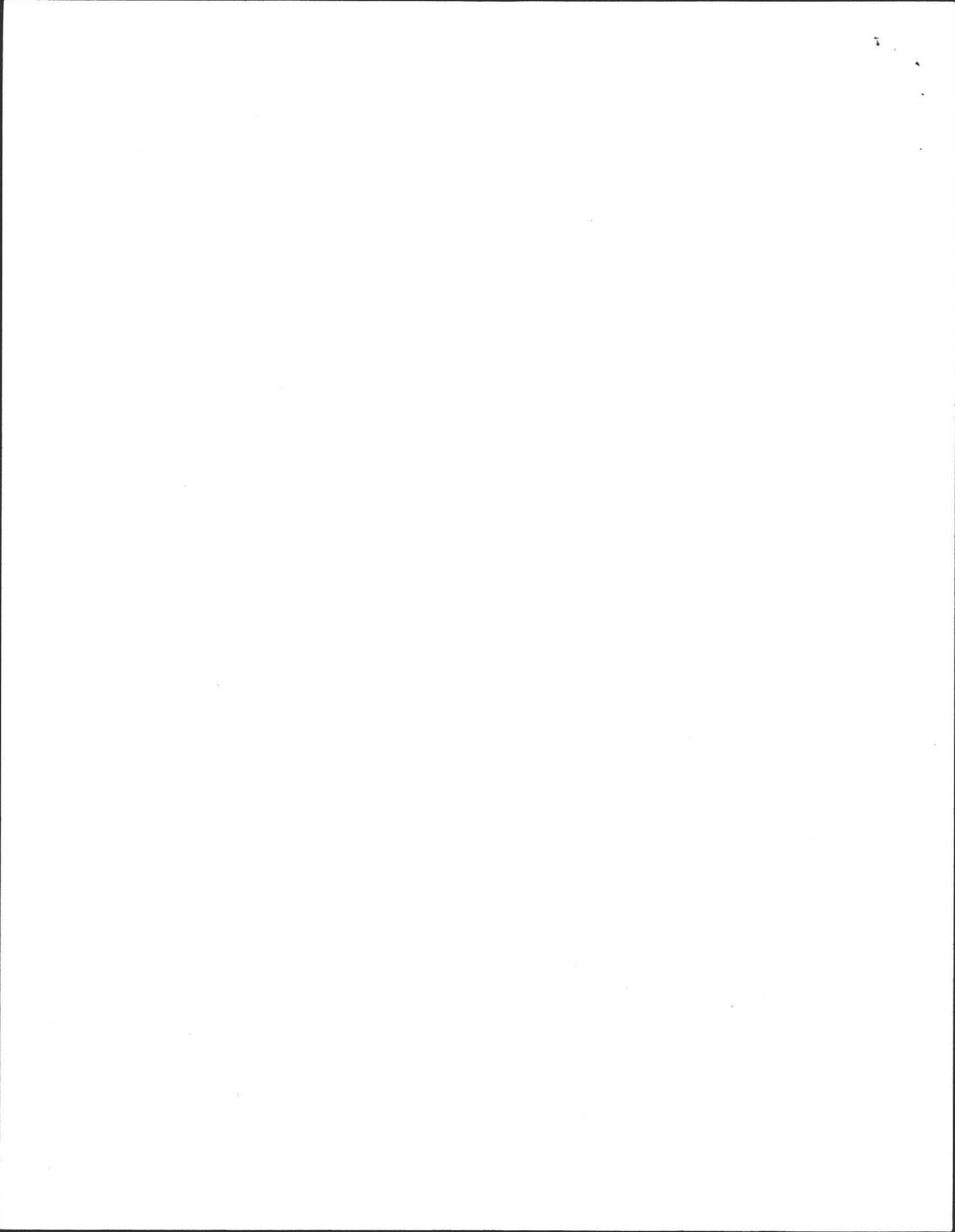
Please contact me if you need further information.

Sincerely,

A handwritten signature in cursive script that reads "Richard Scott". The signature is written in dark ink and has a long, sweeping horizontal line extending to the right.

Richard Scott P.E.

cc: ✓ Mrs. Frederic
Jeffery Wood



Richard Scott P.E.
31 Shutesbury Road
Pelham, Ma. 01002

April 6, 1989

5491764
Jeffrey Wood
312 Leverett Road
Amherst, Ma. 01002

Subj: Pending Septic Permit Applications

Ref: Letter to You from Dave Zarozinski Dated April 5, 1989

Dear Mr. Wood:

You have permit applications pending on at least two different locations in Amherst. I have some confusion as to which property Dave refers in his letter. Let me recap both.

I think Dave is talking about your property on Route 116. At your variance hearing in November 1988 questions of watershed effects were raised. You as the owner and I as the engineer were asked to pursue the concerns and provide additional information back to the Board. This I believe has been done in a very complete manner as documented in my letter to you dated December 16, 1988.

I presume that the six-month extension granted for the Route 116 property will expire on May 22, 1989.

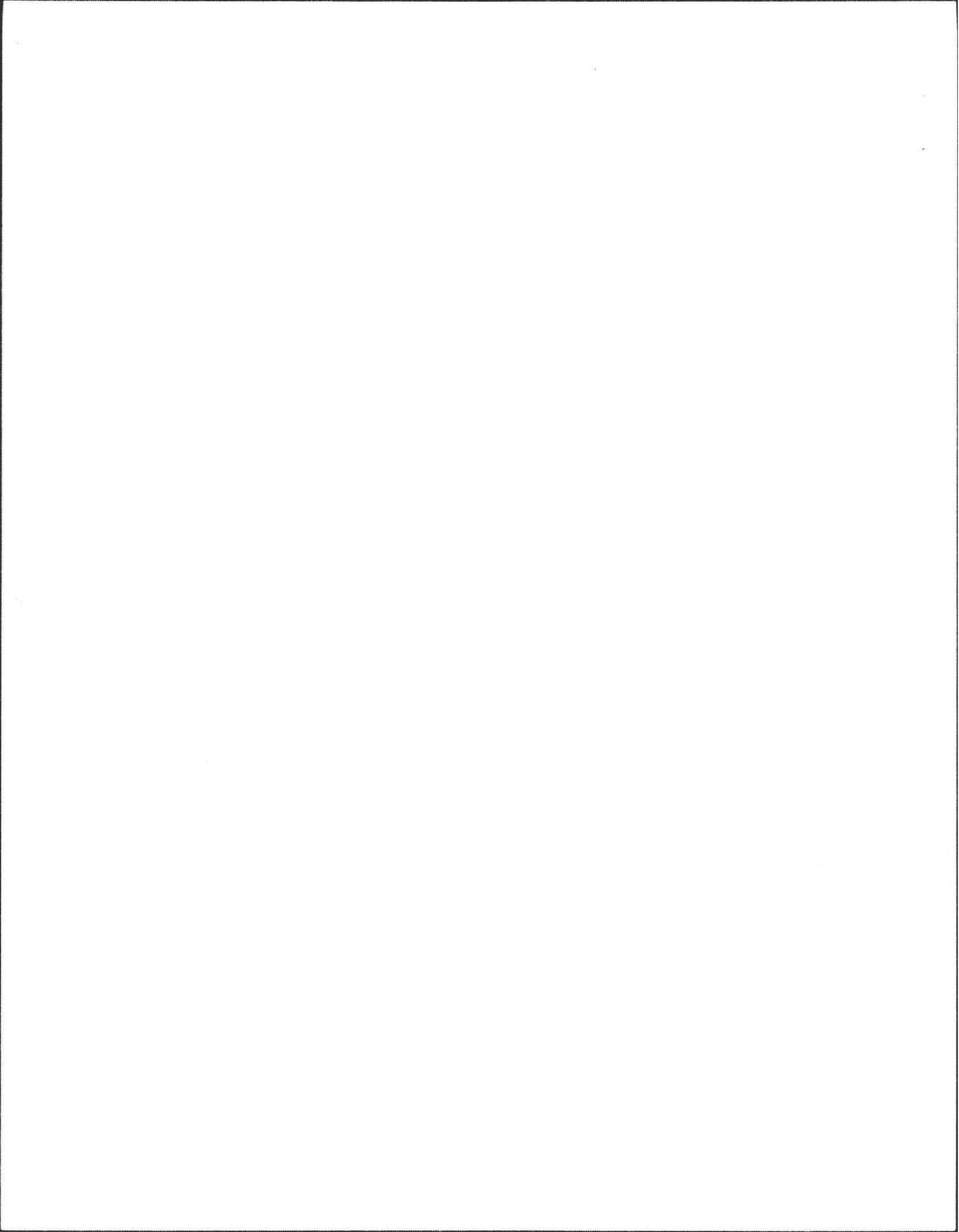
The other property which has a pending variance request is at the rear of your lots on Leverett Road. Dave had asked me by phone a couple of weeks ago if you had continuing plans to develop those lots. At that time I did not and still don't know the status of your discussions with Joe Giandalone etc. Like Route 116 nothing will happen on the Leverett Road property until you initiate it with me or the Board of Health.

If you have new information to pass along or if there is new activity to pursue please contact me.

Sincerely,

Richard Scott, P.E.

RMS/rs
cc:D. Zarozinski



Richard Scott, P.E.
31 Shutesbury Road
Pelham, Ma. 01002

October 24, 1988

Dennis Pinski
Amherst Health Department
Bangs Community Center
Amherst, Ma. 01002

Subject: Septic System Design for Jeff Wood's Lot on Rte 116

Dear Dennis:

As we discussed by telephone, this permit was issued by Charlie Drake in December, 1986. A revision in house location was made in January, 1987. You have told me that these two submissions are documented in your files. You do not however have a copy of the D.E.Q.E. Notice of Intent for the property. To update your information, a copy is enclosed herewith.

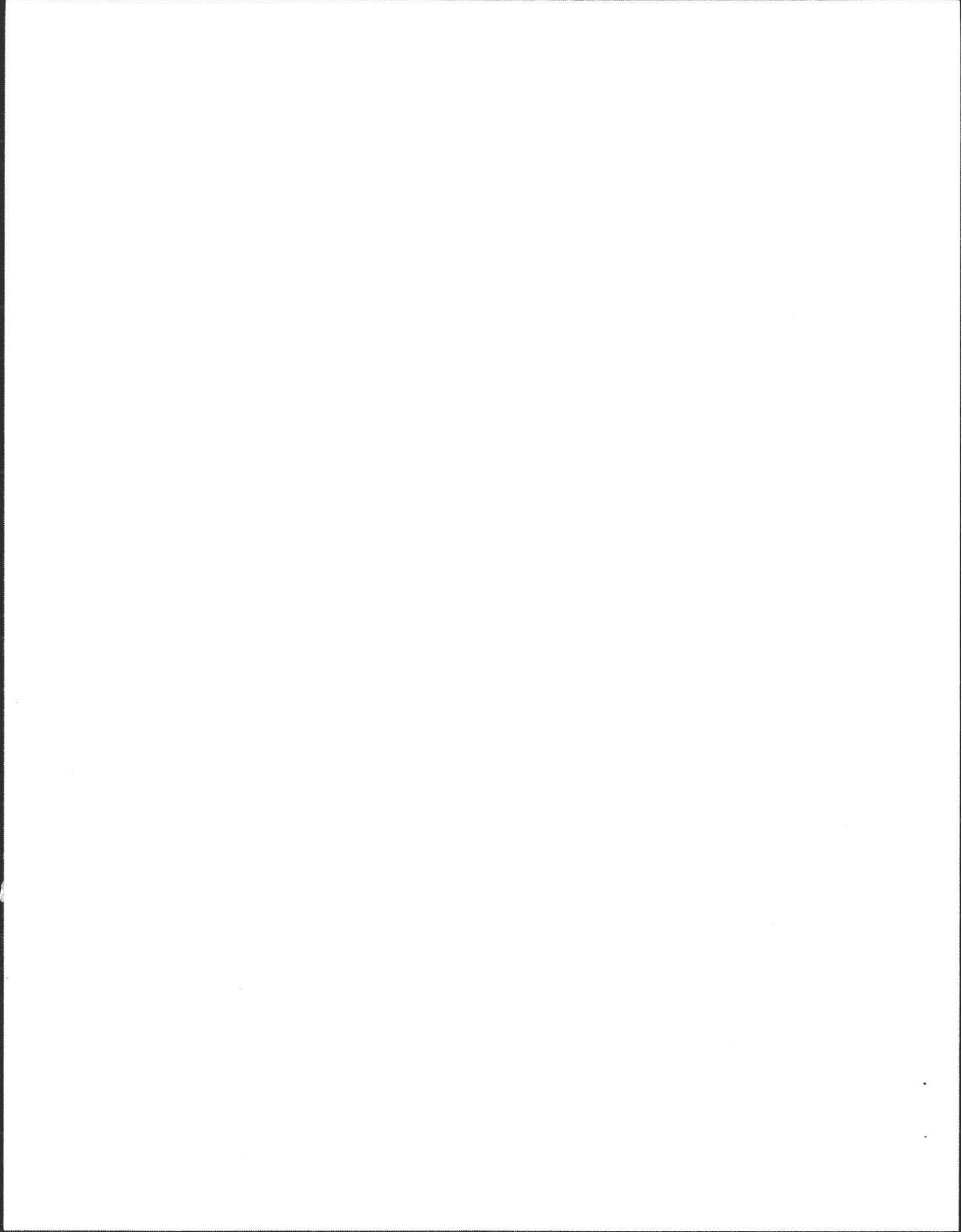
The site design was revised as part of the Notice of Intent process. The layout now requires a pump from the septic tank to the leachfield. The field however is unchanged in location, size, and elevations as compared to the January, 1987 revision.

I understand that Mr. Wood has asked to finalize the permit at the next Board of Health meeting. I expect that this information will allow you to provide the Board with your technical recommendation. If your review generates additional questions, please contact me so that they may be answered prior to the meeting.

Sincerely,

Richard Scott, P.E.

Encl.
cc: J. Wood



APR 28 1989

Richard Scott
31 Shutesbury Road
Pelham, Ma. 01002

April 26, 1989

Jeffery Wood
312 Leverett Road
Amherst, Ma. 01002

Subject: Route 116 Property

At 8:00 A.M. on Wednesday April 26, 1989 I met with David Zarozinski and walked the subject property. I also provided Dave with another copy of my December 16, 1988 letter to you which details the position of the Conservation Commission of 5 months ago.

As a result of the walk, Dave now understands the details of the septic system plan approved by his predecessor and was able to see the promimity to the wetland. He does have concern about the effect of your construction on water quality and has stated to me that he will discuss this with Pete Westover of the Conservation Commission.

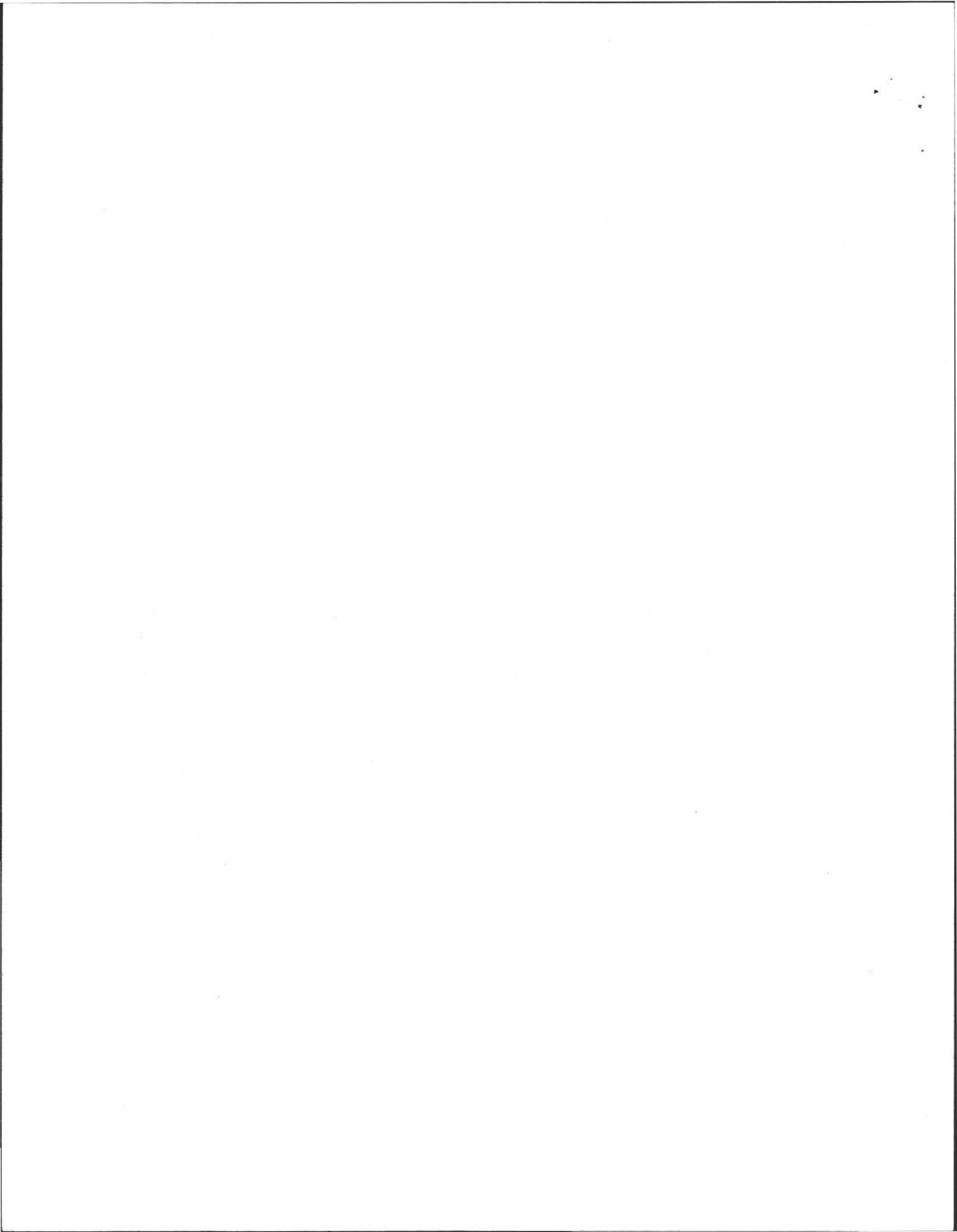
In completing the site walk, Dave and I have done as originally requested by the Board of Health in the variance hearing of November 22, 1988. Apparently the Board will now wait for a response from either Dave or Pete's office; I'm not sure which. If there's more I need to do for you on this project please let me know.

Sincerely



Richard Scott P.E.

cc: ✓ D. Zarozinski



Szala: "What if I dam up the pond? Then you would overflow."

Scott: "What pond is that? Where is it? How far away?"

Maia: "Our pond is right at the line where the septic is proposed."

Szala: "On the other side of the Western Massachusetts Electric property."

Scott: "How far away 250 - 500 feet?"

[Discussion between the parties not addressed to the Hearing Officer.]

Wilhelm: "We and your staff didn't know what the rules were - then there was this glick. The septic permit will expire in the immediate future, in December, 1988. If we can get an extension then we will go and draw-up the flow plans."

Wood: "I would be willing to forestall construction if we can have that extension."

Wilhelm: "It will not really impact on when the house will go in. This is the third version of the construction plans."

Szala: "I wonder what is really going in there. There was rumor
Maia : that many ponds and a fishery was going there, not a house."

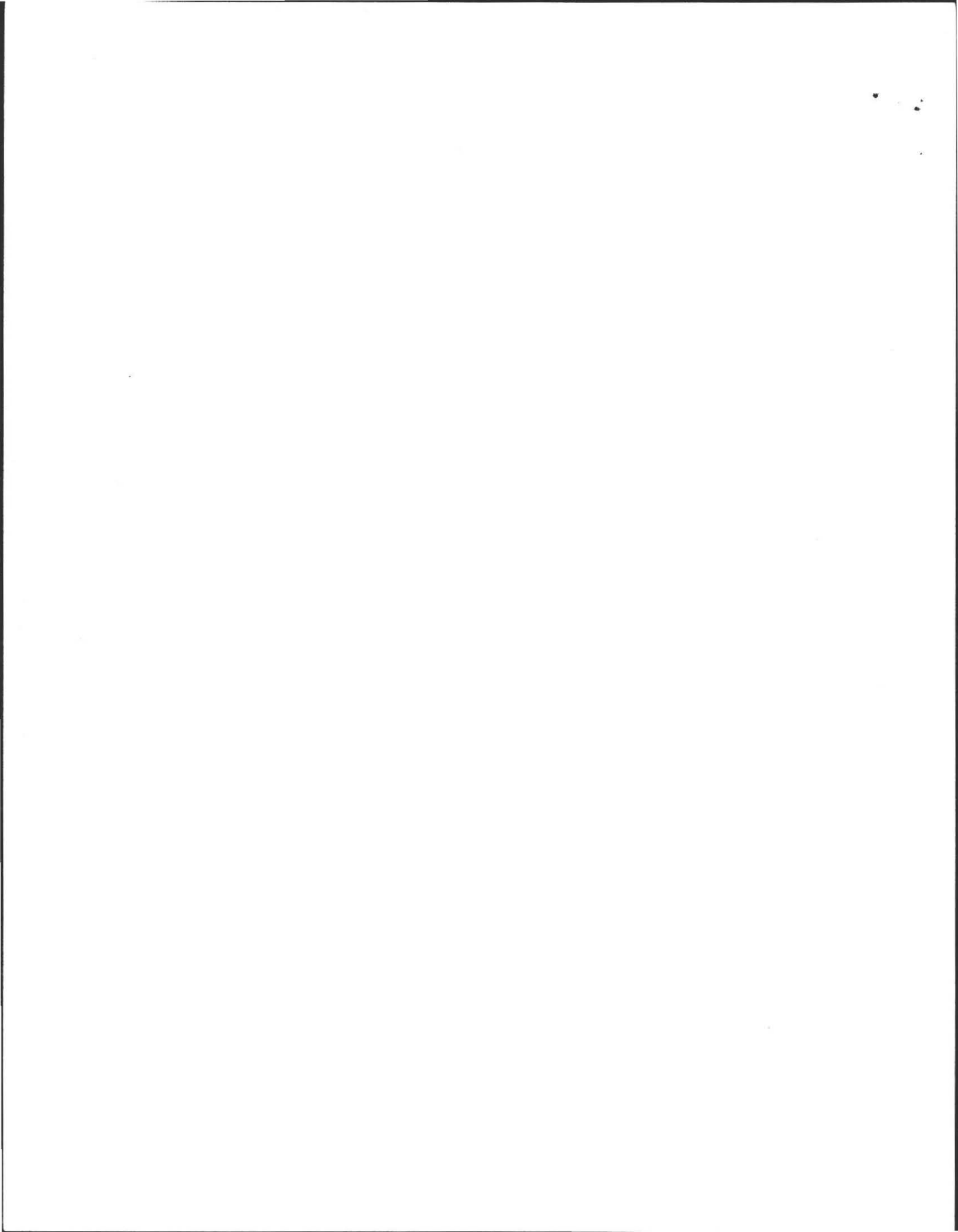
Calhoun: "The system we are reviewing calls for a residence."

Wilhelm: "It was a rumor, but it's no longer accurate. They approached Mr. Wood about building this little pond and then it began these multiple ponds and they are not involved anymore."

Szala: "I was at a meeting! Well that explains it."

ACTION: Unanimous vote: to extend the current septic application for six months (June, 1988), however, no work is to be done in the meantime and to give Mr. Woods' engineer time to provide flow data on the surrounding bodies of water , and water impact which could lead to a system failure.

Hearing to be continued...



Richard Scott P.E.
31 Shutesbury Road
Pelham, Ma. 01002

December 16, 1988

Jeffrey Wood
216 Leverett Road
Amherst, Ma. 01002

Subject: Variance Request for Septic Permit at Sunderland
Road (Route 116)

Dear Mr. Wood:

Contained herein is information for your transmittal to the
Amherst Board of Health.

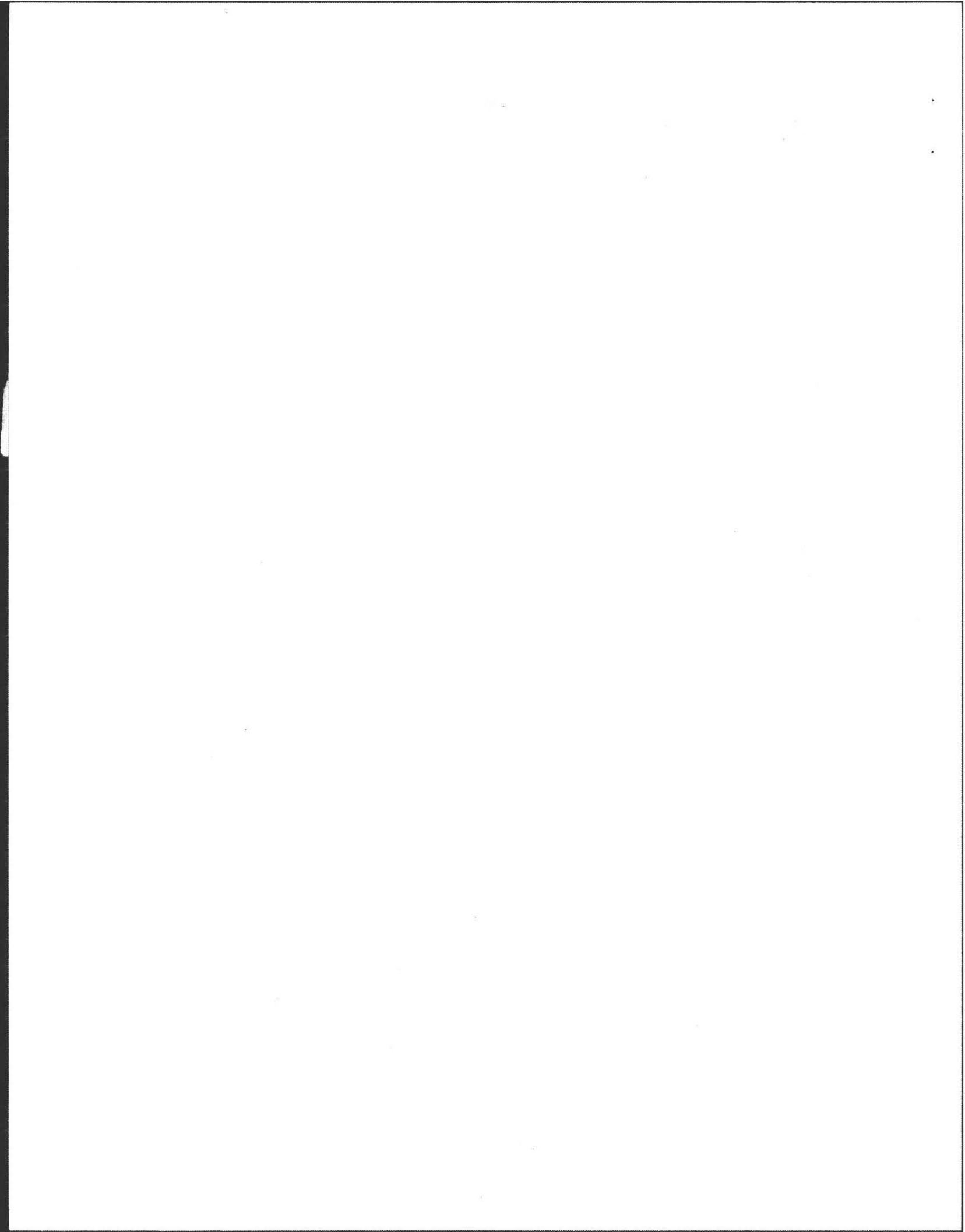
The initial variance hearing was held on Tuesday, November
22, 1988. As I understand the Board's position, your
application is approvable except for the unknown effects of
future modifications to the watershed upstream and
downstream of your property. This concern prompted the
Board to grant a 6 month extension of your permit
application and to request an additional review of the
property by me and the Health Agent, David Zarozinski.
My activities since November 22 are as follows:

Tuesday 11-29-88 Telephone discussion with David
Zarozinski. Since proximity to the wetland was an
issue, Dave's wish was to have a representative of the
Conservation Commission join us for the site review.
He had so far been unsuccessful in reaching Pete
Westover at the Conservation Commission.

Thursday 12-1-88 Telephone discussion with Pete
Westover. He was unable to meet with us at the jobsite
on 12-3-88. He asked that I contact Enika during the
following week to arrange a site visit for 12-10-88.

I tried repeatedly during the week of 12-5-88 to reach
Enika and in the process left messages with Mary
Donohue.

Thursday 12-8-88 Explained the situation to Enika who
relayed much of the conversation to Mary Donohue.
Twenty minutes later I received a return call from
Mary. After consulting with Enika and perhaps with
Pete Westover, she provided me with the position of the
Conservation Commission.



- 1.) They do not see a necessity to visit the site again.
- 2.) Changes upstream of the site will not have lasting effect on the wetland near the site.
- 3.) Changes downstream of the site can have significant impact on the site but those effects cannot be assessed since the future modifications are unknown.
- 4.) Future plans to change the watershed will be subject to Conservation Commission review. Those changes will be evaluated in light of structures and facilities which are in place at that time.

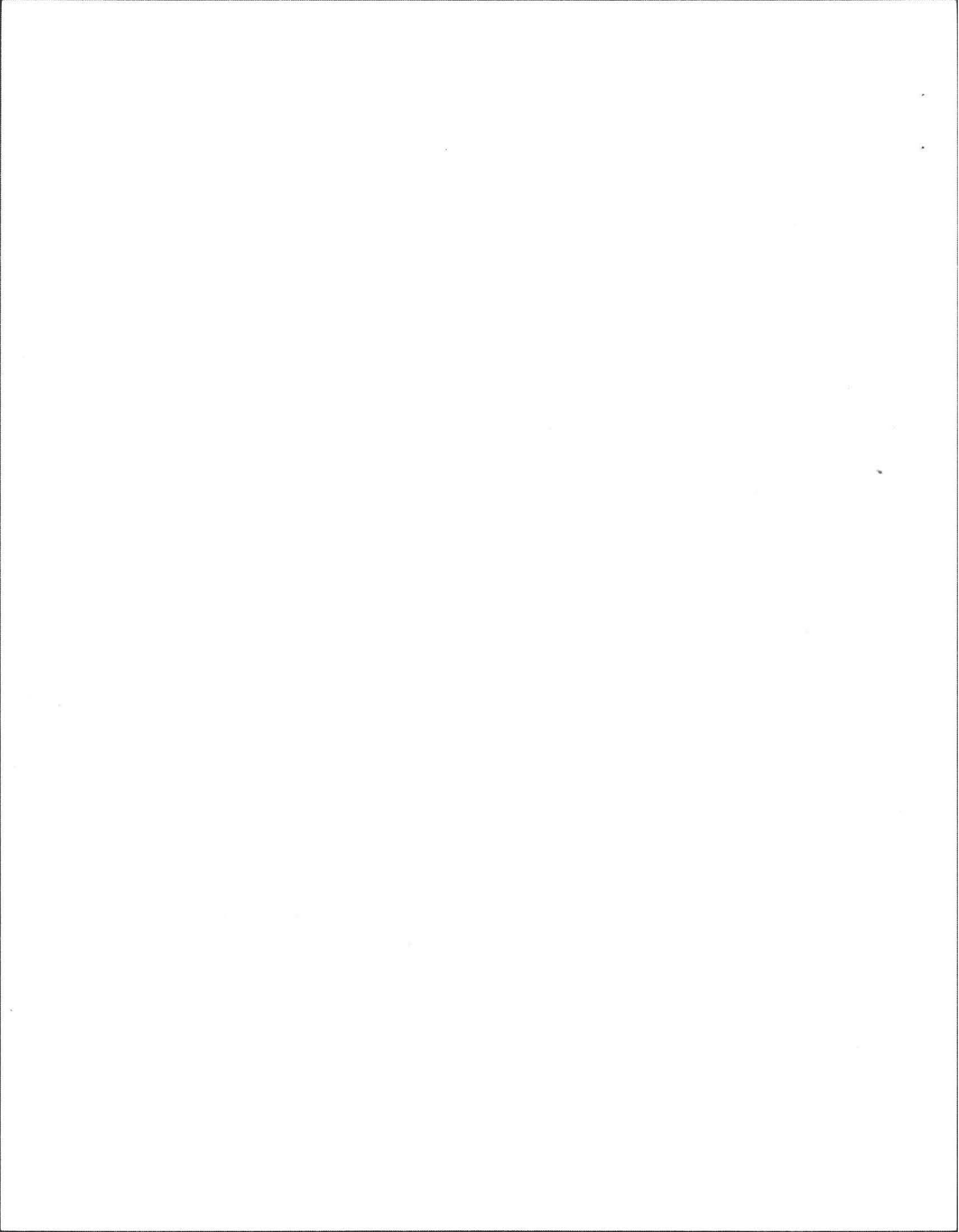
In short, the Commission stands by their previous reviews of the site and Notice of Conditions for the construction. Mary Donahue has indicated to me that she will provide this information directly to the Board of Health if they communicate this request to her.

Despite the fact that the requested site visit has not been done, we have pursued the Board's concern as outlined above. It seems to me that your way is clear again now to return to the Board and ask for their completion of the variance request. I will make myself available to respond to any remaining issues which the Board feels are still unresolved. Until I hear from you I will not work further on this project.

Sincerely,

Richard Scott, P.E.

cc: Amherst Board of Health Agent, David Zarozinski
Amherst Conservation Commission, Mary Donahue



APR 20 1989

312 Leverett Road
Amherst, MA 01002

David Zarozinski, Sanitarian
Amherst Health Department
70 Boltwood
Amherst, MA 01002-2128

Dear Mr. Zarozinski:

Thank you for your letter of April 5th, responding to my request for a continuation of variance hearing originally held last fall for Amherst Assessor's Map 2A, Parcel 5, Route 116, Hampshire Registry of Deeds, Book 1899, Page 150.

In my conversation with Mr. Scott, he assures me that he has sought resolution to any concerns you may have involving the variance and remains available for a mutual inspection of this site.

Presently, time is of the essence to hold another Board hearing, as time is running out for me on last fall's extension of my current septic permit and the Amherst Conservations Service's Order of Conditions for the lot in question.

I have written the Board again c/o Mrs. Frederick for a scheduling of my continuation of last fall's variance request at their earliest possible convenience.

I remain available for any discussions or records on the matter if you so desire.

Thank you for your cooperation.

Yours truly,

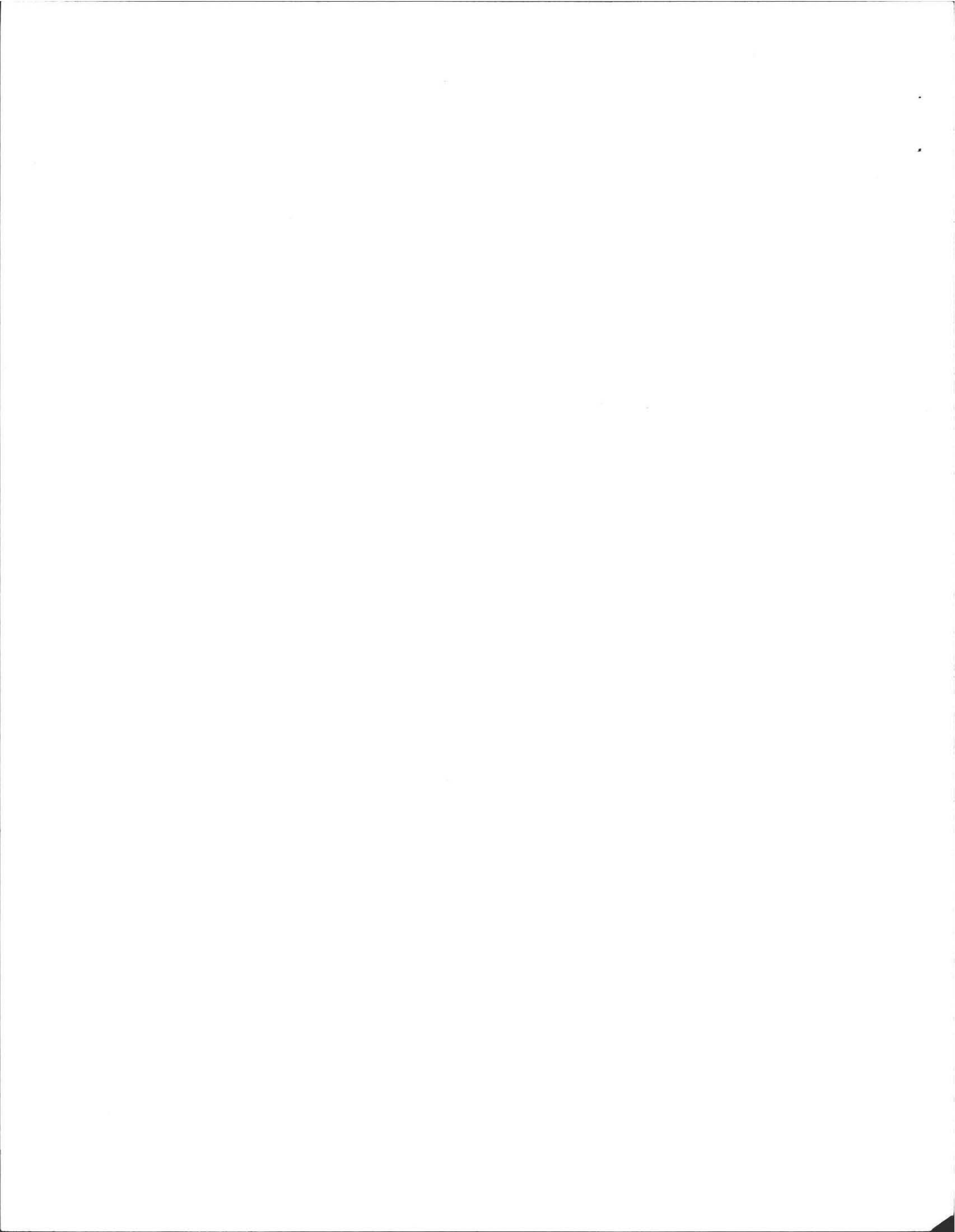


Jeffrey Wood

JW:mm

cc.: Mrs. Frederick, Amherst Board of Health
Mr. Richard Scott
Amherst Conservation Commission
Atty. Joseph Wilhelm

*David: David: the information is provided elsewhere?
04/20/89*



APR 20 1989

312 Leverett Road
Amherst, MA 01002

David Zarozinski, Sanitarian
Amherst Health Department
70 Boltwood
Amherst, MA 01002-2128

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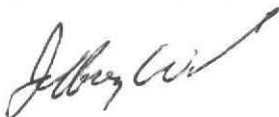
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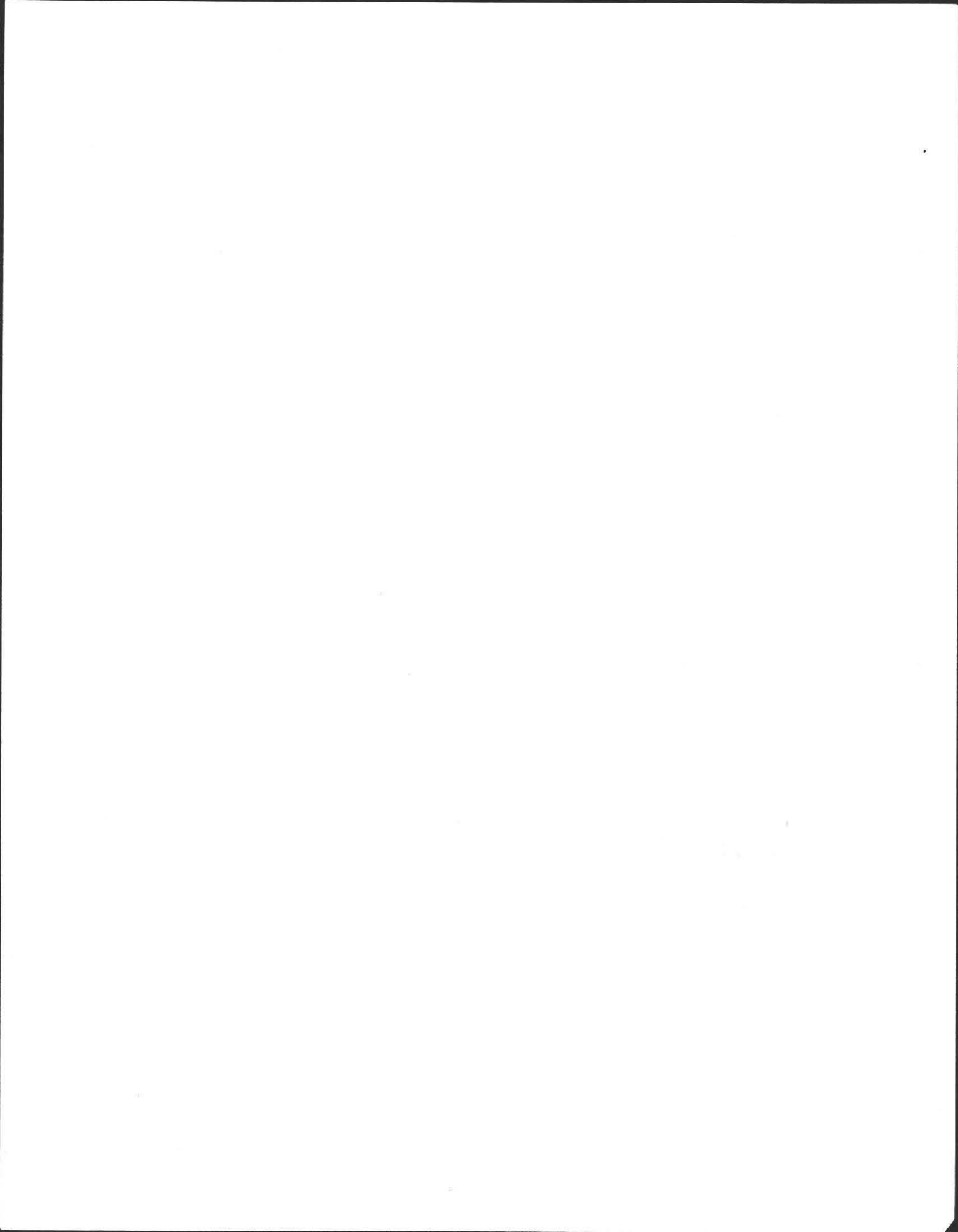
Yours truly,



Jeffrey Wood

JW:mm

cc.: Mrs. Frederick, Amherst Board of Health
Mr. Richard Scott
Amherst Conservation Commission
Atty. Joseph Wilhelm



312 Leverett Road
Amherst, MA 01002

Mrs. Frederick, Chairperson
Amherst Board of Health
70 Boltwood Walk
Amherst, MA 01002-2128

Dear Mrs. Frederick:

On April 3, 1989, I sent your office a request for a continuation of my hearing for a variance report held last fall for my lot, Map #2A, Parcel 5, Route 116, Amherst, Hampshire Registry of Deeds Book 1899, Page 150.

Mr. Zarozinski responded to me by letter on April 5th, requesting a walk on the lot with my engineer, Mr. Scott.

I reached Mr. Scott who stated that Mr. Zarozinski, when contacted by Mr. Scott last December, only wanted to make the walk if the Amherst Conservation Commission felt there was a problem with the question raised by a couple of citizens at the original variance request board hearing last fall. Mr. Scott reached the Amherst Conservation Commission, who allegedly stated there were no concerns about the project in question. Consequently, Mr. Scott deducted that Mr. Zarozinski would not wish to walk the lot.

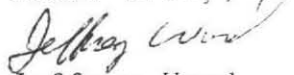
In recent conversations with Mr. Scott, I was told that he and Mr. Zarozinski were resolving that issue and that he remained available for a walk on the lot with Mr. Zarozinski if he so desired.

In the meantime, time is marching on and I am unable to exercise my rights under the Septic System Permit, due to expire the end of May, 1989, and the Order of Conditions set by the Amherst Conservation Commission due to expire the end of April, 1989.

Would you please set a hearing date for any variance request as soon as possible. Please write or phone my attorney, Joseph Wilhelm, Tel. #586-3480, when setting the date for my hearing.

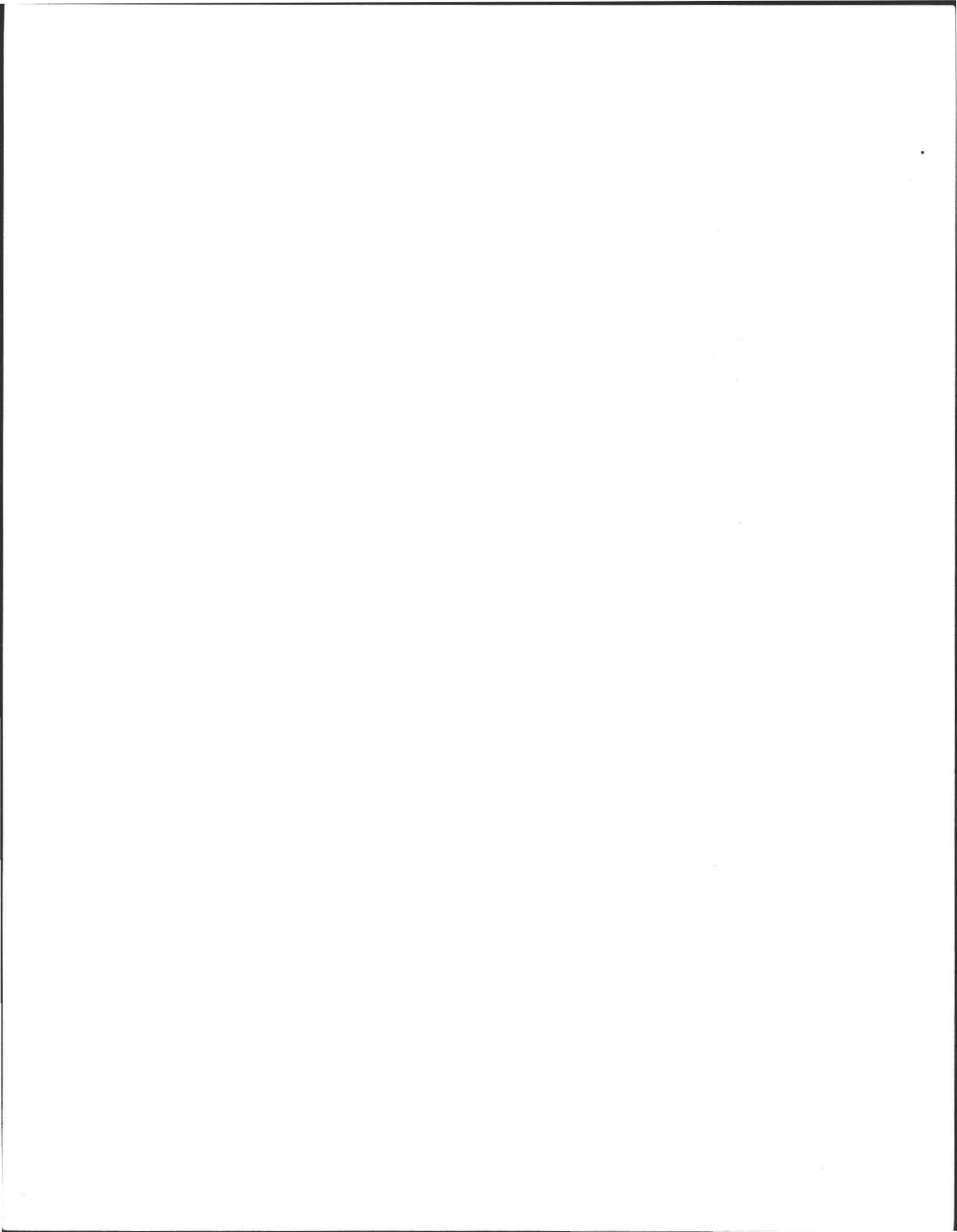
Thank you for your cooperation.

Yours truly,



Jeffrey Wood
JW:mm

ccs: Mr. David Zarozinski
Richard Scott
Atty. Joseph Wilhelm
Amherst Conservation Commission



312 Leverett Road
Amherst, MA 01002

APR 20 1989

Mrs. Frederick, Chairperson
Amherst Board of Health
70 Boltwood Walk
Amherst, MA 01002-2128

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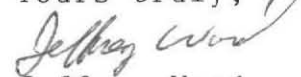
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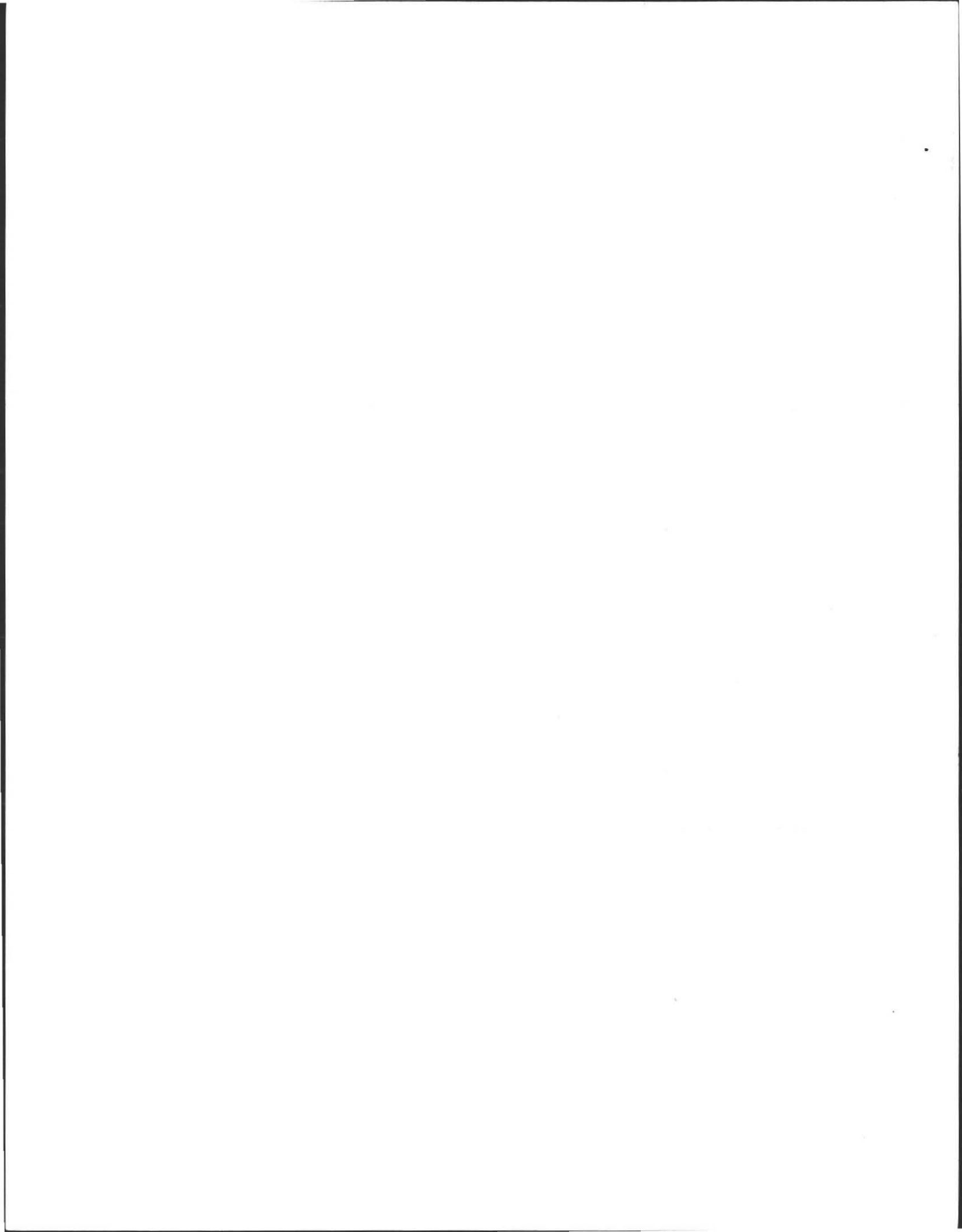
Yours truly,



Jeffrey Wood

JW:mm

ccs: Mr. David Zarozinski
Richard Scott
Atty. Joseph Wilhelm
Amherst Conservation Commission



APR 20 1989

312 Leverett Road
Amherst, MA 01002

Mr. Peter Westover
Amherst Conservation Commission
Town Hall
Amherst, MA 01002

Dear Mr. Westover:

Last summer, Mr. Dennis Pinski, Sanitarian, raised for the first time by any Amherst Town Agency or Department, the question of a seldom-if-ever used town Board of Health bylaw requiring a variance for any septic system that is to be constructed within 100 feet of a wetland.

Even though Mr. Drake had already issued me my septec permit for my Route 116 lot, Map #2A, Parcel 5, Hampshire Registry of Deeds Book 1899, Page 150, shown on Amherst Assessors' Map 2 A, Parcel 5, and felt that there was some real question over a variance held last fall with a continuance still in effect.

I understood Mr. Scott reached your department last December. I have been told by Mr. Scott that your department's position on the matter raises no more objection to my project and remains the same as your Order of Conditions issued April 27, 1987, DEQE File #89-152.

Due to the constraints placed on me by the Amherst Board of Health last summer, I have been unable to exercise my rights under your Order of Conditions and now request a hearing of your Commission in order to ask for an extension of the Order of Conditions.

Would you please schedule a hearing for me at your earliest possible convenience and contact my attorney, Joseph Wilhelm, 74 King Street, Northampton, MA 01060, Tel. #586-3480, for the time, location and date of the meeting.

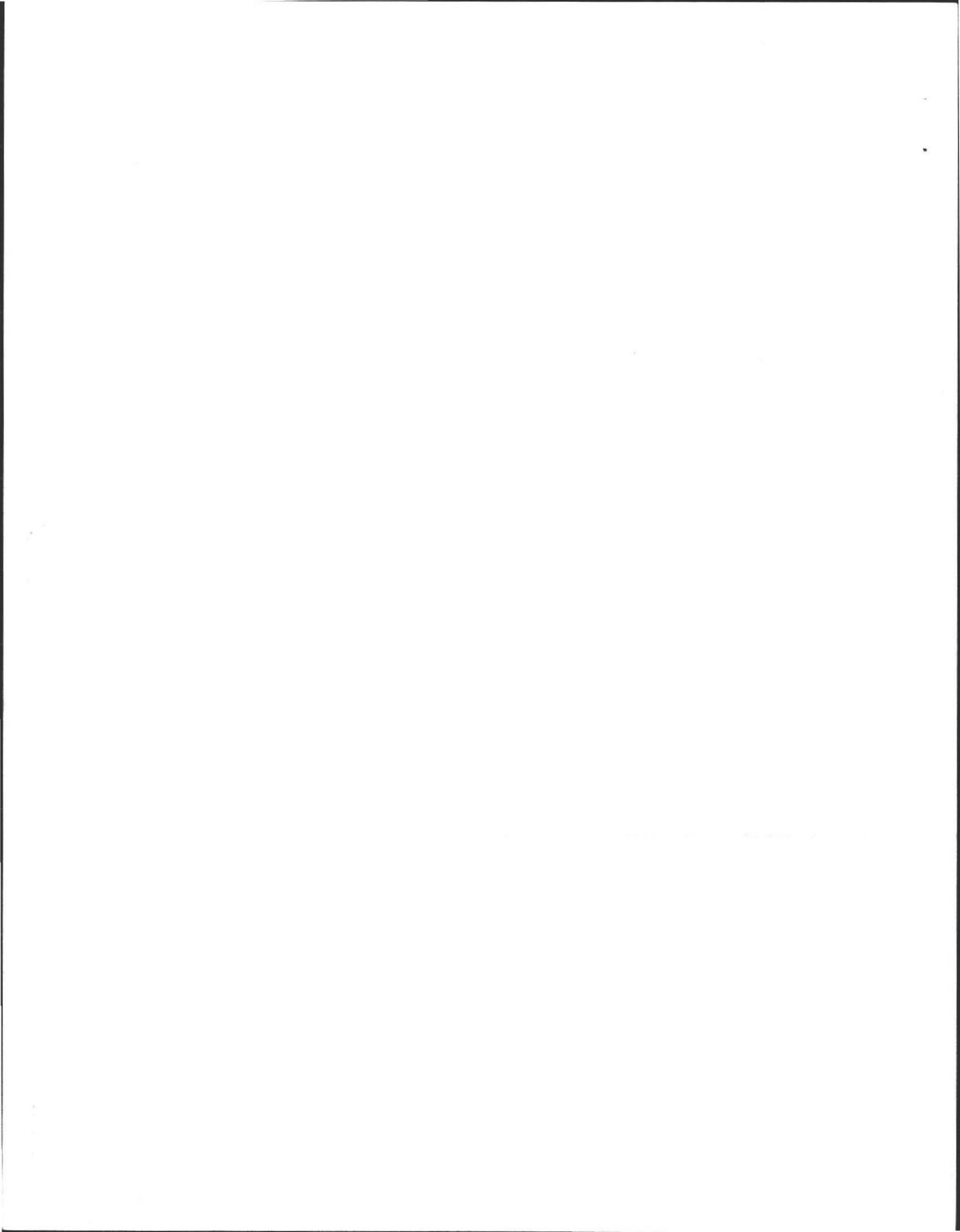
Thank you for your cooperation.

Yours truly,


Jeffrey Wood

JW:mm

ccs: Mr. David Zarozinski
Mr. Richard Scott
Atty. Joseph Wilhelm



RICHARD SCOTT, P.E.
REGISTERED CIVIL ENGINEER

31 SHUTESBURY ROAD
PELHAM, MA 01002

(413) 256-0647

Town of Amherst
Board of Health
Main St.
Amherst, Ma. 01002

January 5, 1987

Attn: C.E. Drake, Health Agent

Reference: Application for Septic System Construction Permit
at Rte 116 (Jeffrey Wood, Owner)

Dear Mr. Drake:

I have been notified by Jeff Wood that his construction plans for the reference site have changed. This has affected the septic system design which was originally submitted to you in October and finalized by Mr. Wood in December.

Enclosed herewith is one complete set of drawings incorporating the one revised sheet. Also enclosed are three copies of the revised sheet showing the new proposed system location. From previous discussions with you, I don't believe this revision will cause any problem. If it does raise any questions, please contact me.

It is Mr. Wood's plan to come to your office on January 6, 1987 for you to "initial" this change. If necessary, you may reach me during the day at (617) 544-2511. Thank you for your continued patience in this matter.

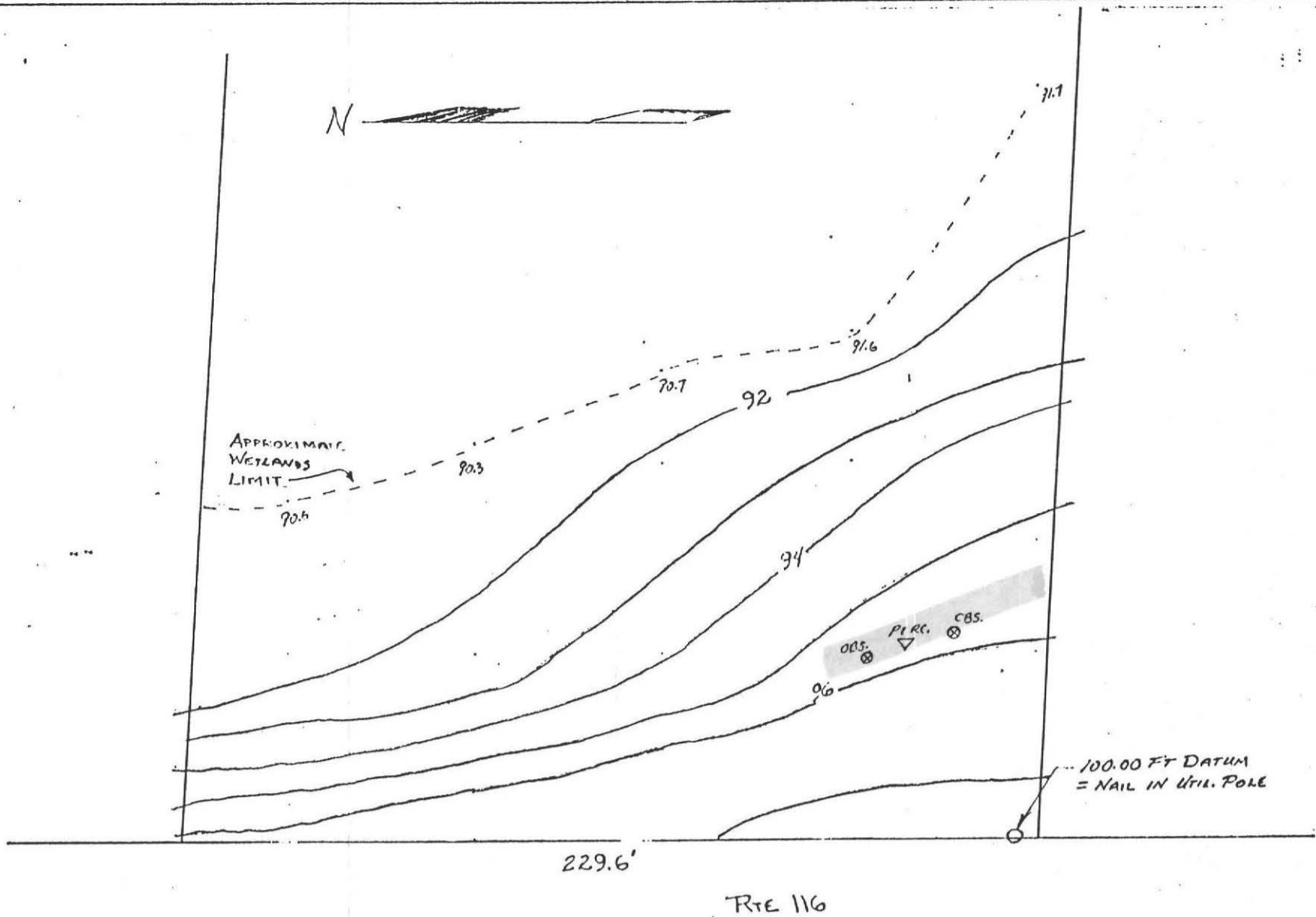
RMS/rs
cc: Jeffrey Wood
Encl.

Sincerely,



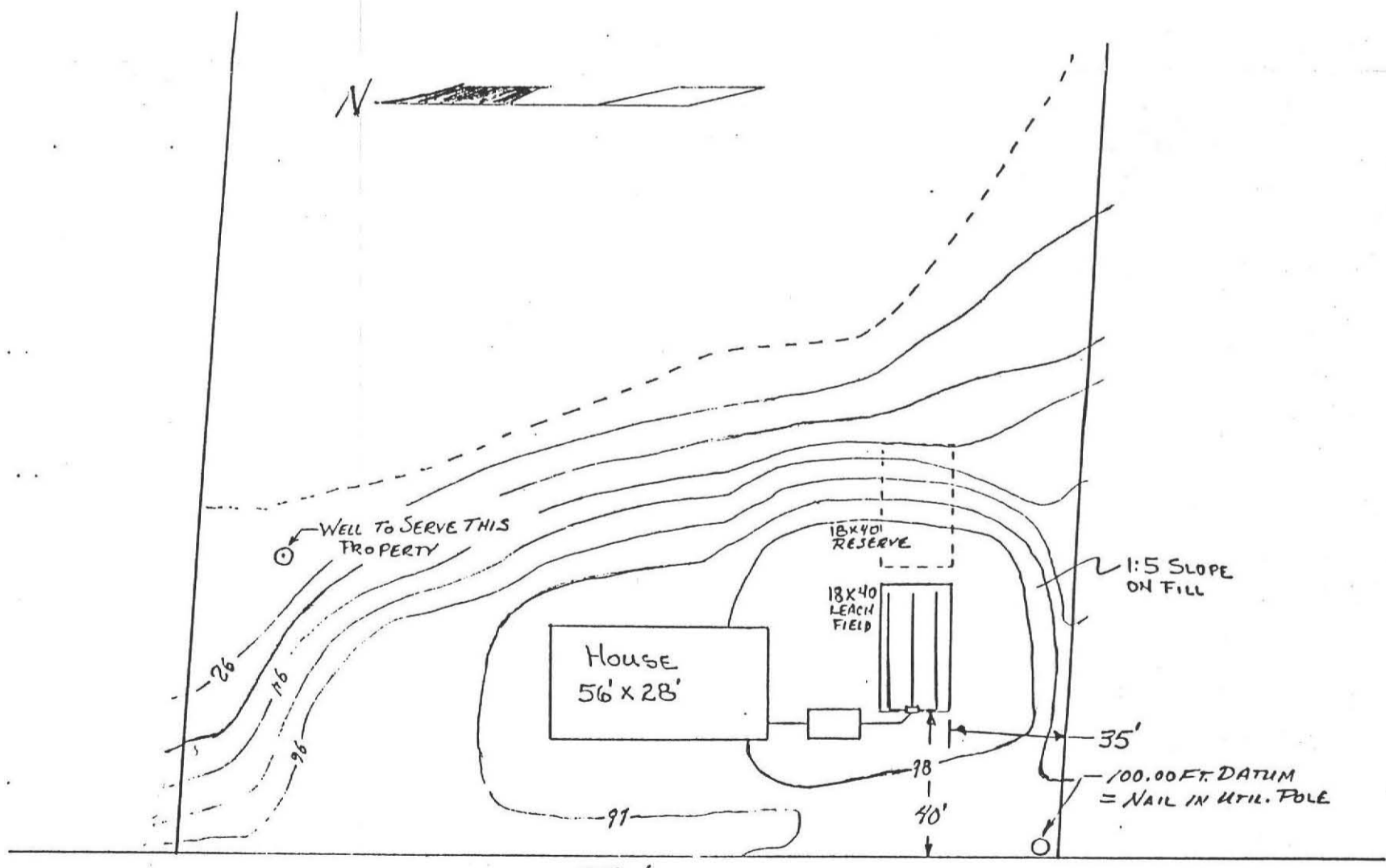
Richard Scott, P.E.





SITE PLAN - EXISTING CONTOURS

SCALE: 1" = 40'



NOTE: NEAREST ABUTTER'S WELL IS ACROSS THE STREET 200+ FT. FROM PROPOSED LEACH FIELD.

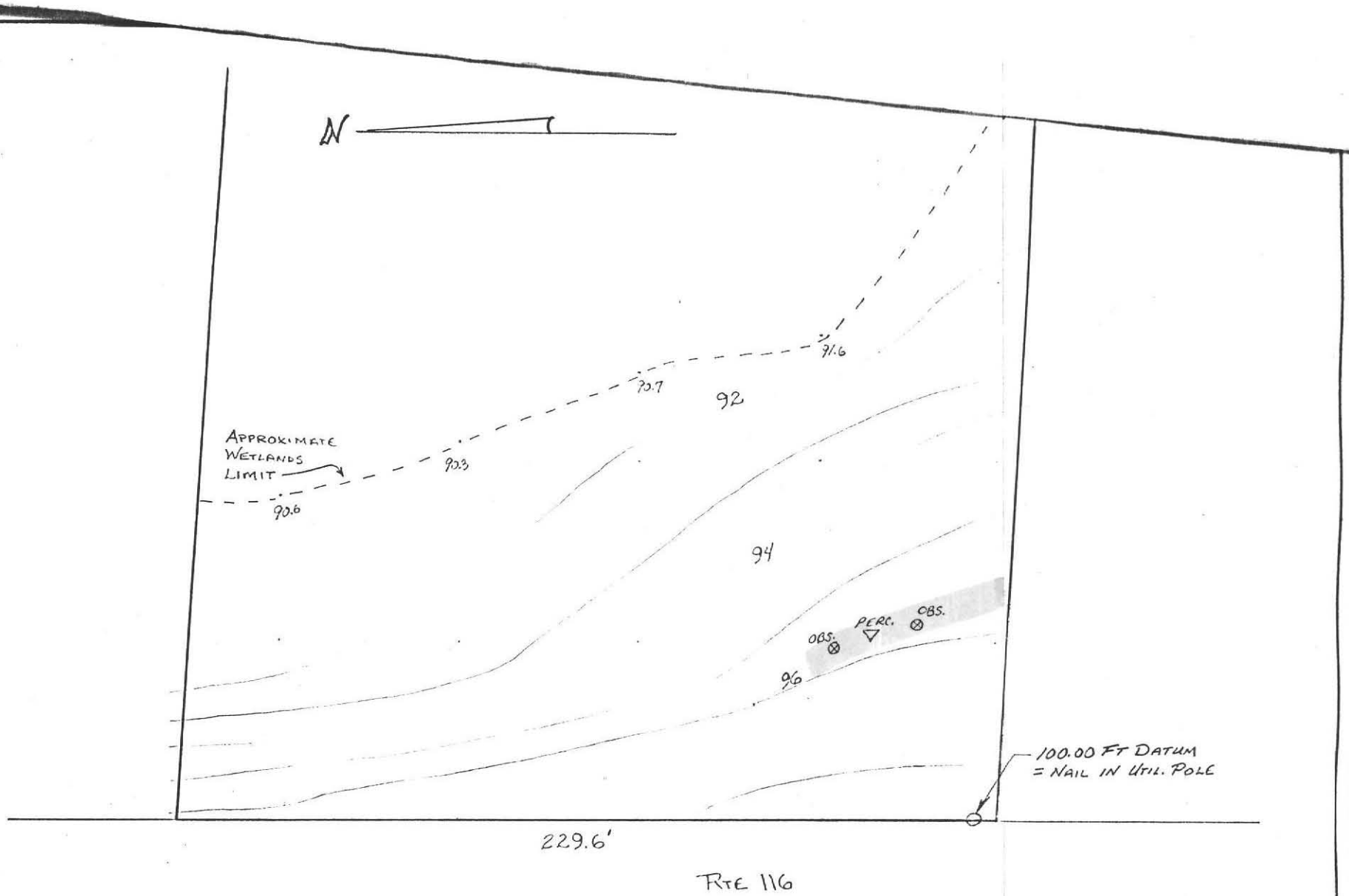
SITE PLAN - PROPOSED CONTOURS

SCALE: 1" = 40'

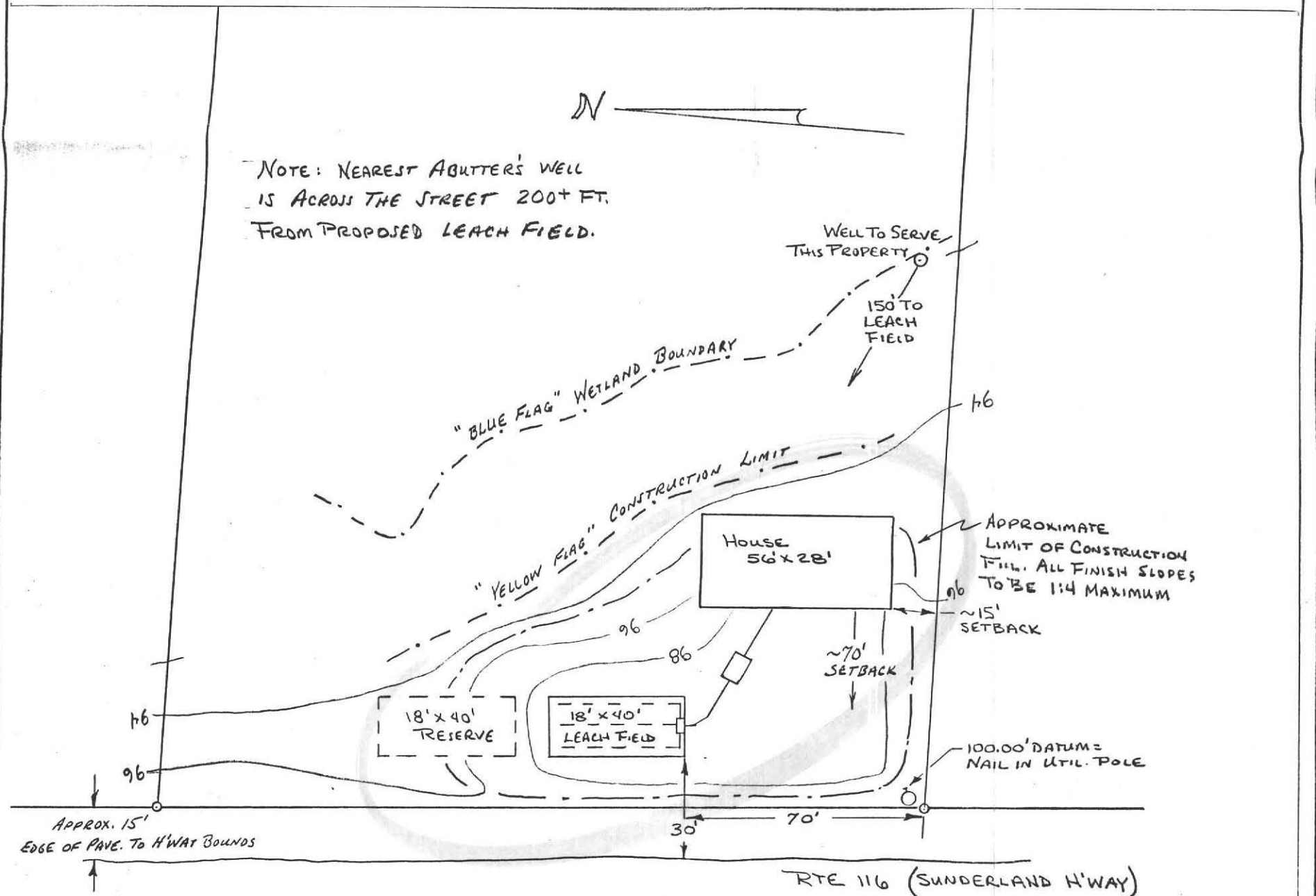


PROPOSED SEPTIC SYSTEM DESIGN
 FOR: JEFFREY WOOD
 RTE 116 AMHERST, MASSACHUSETTS
 PREPARED BY: RICHARD SCOTT, P.E.
 SCALE: AS SHOWN DATE: 10-14-86






SITE PLAN - EXISTING CONTOURS SCALE: 1" = 40'

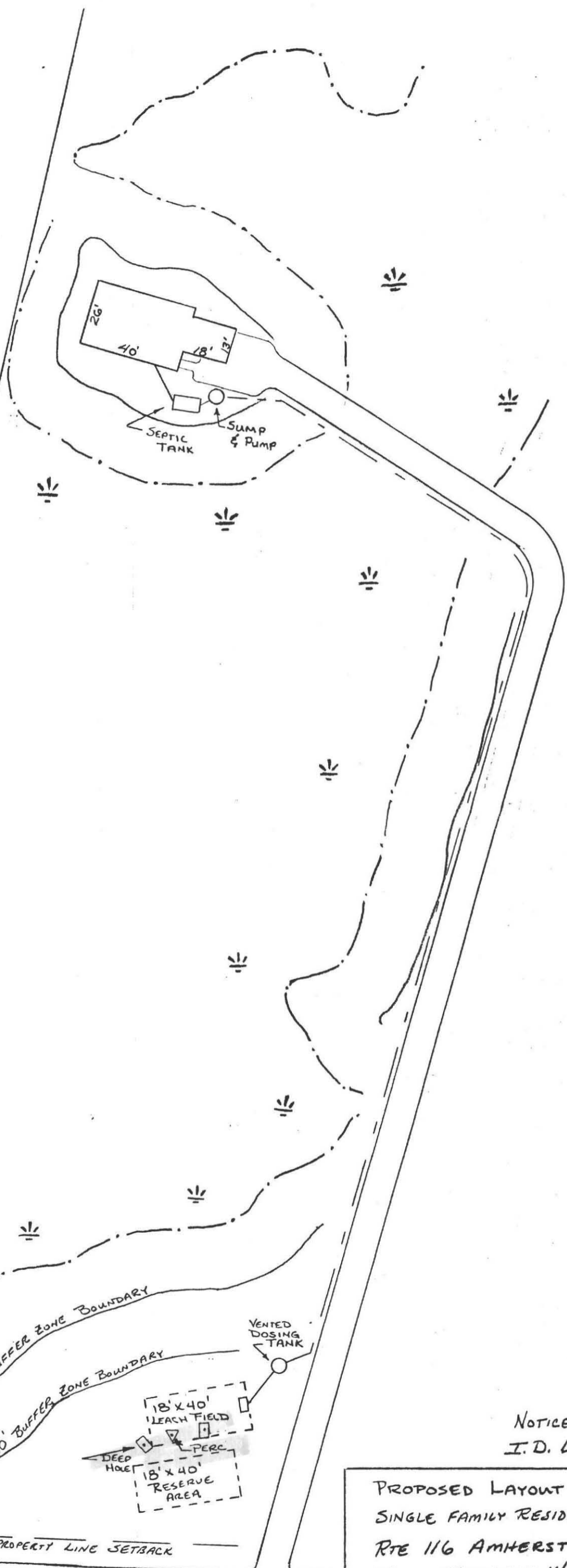
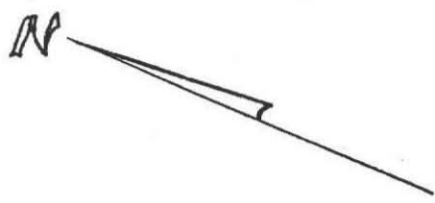


SITE PLAN - PROPOSED CONTOURS SCALE: 1" = 40'


 Richard Scott
 1-2-87

PROPOSED SEPTIC SYSTEM DESIGN
 FOR: JEFFREY WOOD
 RTE 116 AMHERST, MASSACHUSETTS
 PREPARED BY: RICHARD SCOTT, P.E.
 SCALE: AS SHOWN DATE: 10-14-86
 REV'D: 1-2-87





RTE 116 (SUNDERLAND ROAD)

NOTICE OF INTENT
I. D. LETTER C

PROPOSED LAYOUT FOR
SINGLE FAMILY RESIDENCE AT
RTE 116 AMHERST
FOR: JEFFREY WOOD
BY: RICHARD SCOTT, P.E.
SCALE: 1" = 40' DATE 3-21-87

REVISED: 11-1-88 ADDED 50' SETBACK ZONES, MOVED RESERVE,



Town of



AMHERST

Massachusetts

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

CONSERVATION COMMISSION
AND
CONSERVATION DIRECTOR
(413) 256-0413

November 22, 1988

MEMORANDUM

To: Bettye Anderson Frederic, Director
Health Department

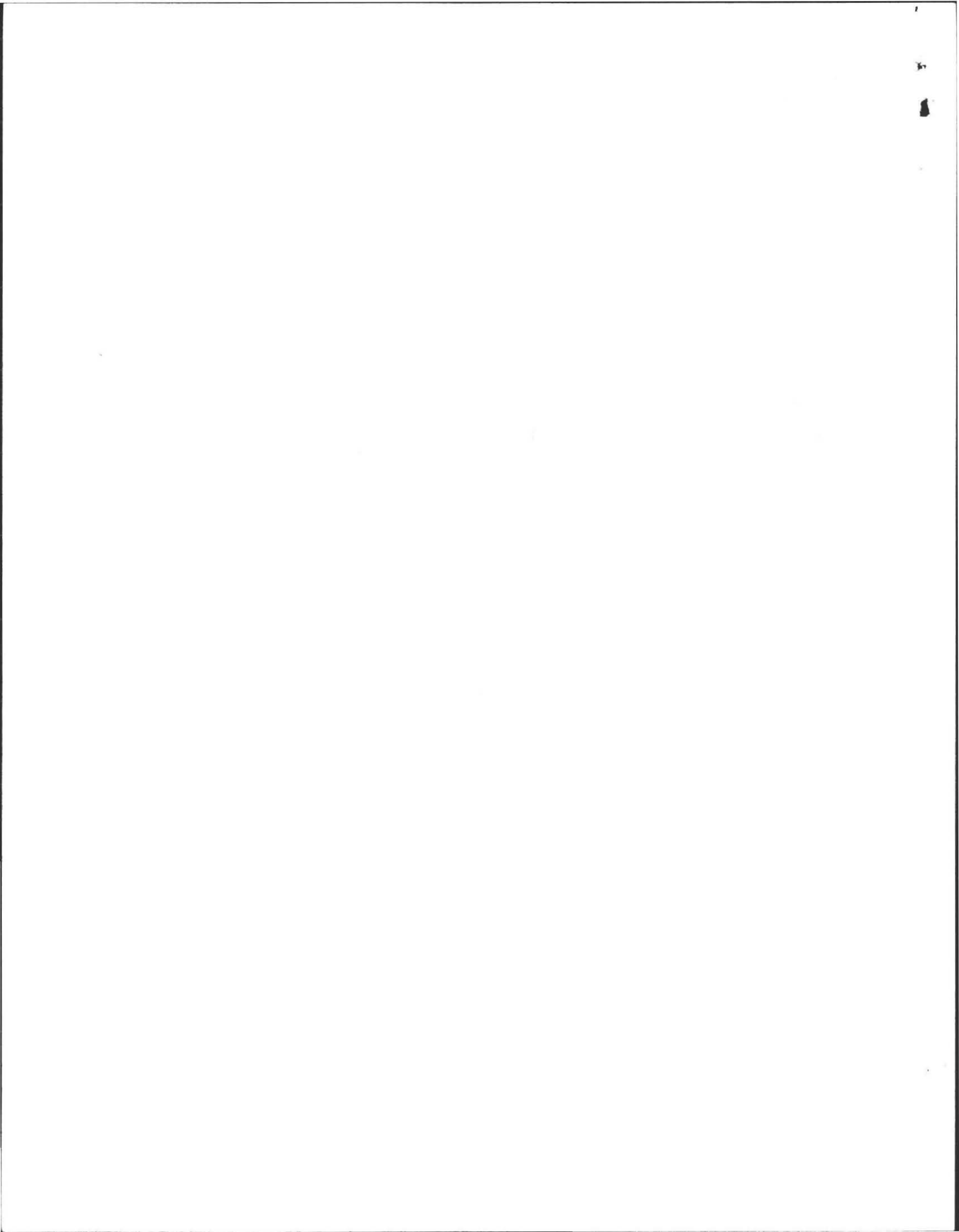
From: Mary Donahue Klein, Assistant Conservation Director *MDK*

Re: Wetlands Determination - Jeffrey Wood lot, Rte. 116 (Sunderland Rd.)

In response to your request for information regarding the wetland determination made by the Conservation Commission on the lot owned by Jeffrey Wood located on the east side of Sunderland Rd we offer the following:

On October 9, 1986 Mr. Wood initially filed a Request for Determination with the Conservation Commission to determine the location and extent of any wetlands on the above mentioned property. He indicated on the Request form that his intent was to construct a dwelling (see attachment A). The Commission viewed the site, flagged the wetland boundary and issued a Determination on October 28, 1986 (see attachment B). The Commission determined that the wetland resources on the property consisted of a stream, its banks, a shrub swamp, and a wet meadow.

On March 26, 1987 Mr. Wood submitted a Notice of Intent (see attachment C) to the Conservation Commission for permission to construct a dwelling on the lot. In the Notice of Intent he included a completed Application for Disposal Works Permit, perc test logs, and a site plan showing the location and layout of the septic system. Thus, the Commission assumed that the Board of Health had already issued the septic permits on this project because the permit information was included by the applicant as part of the Notice of Intent filing.

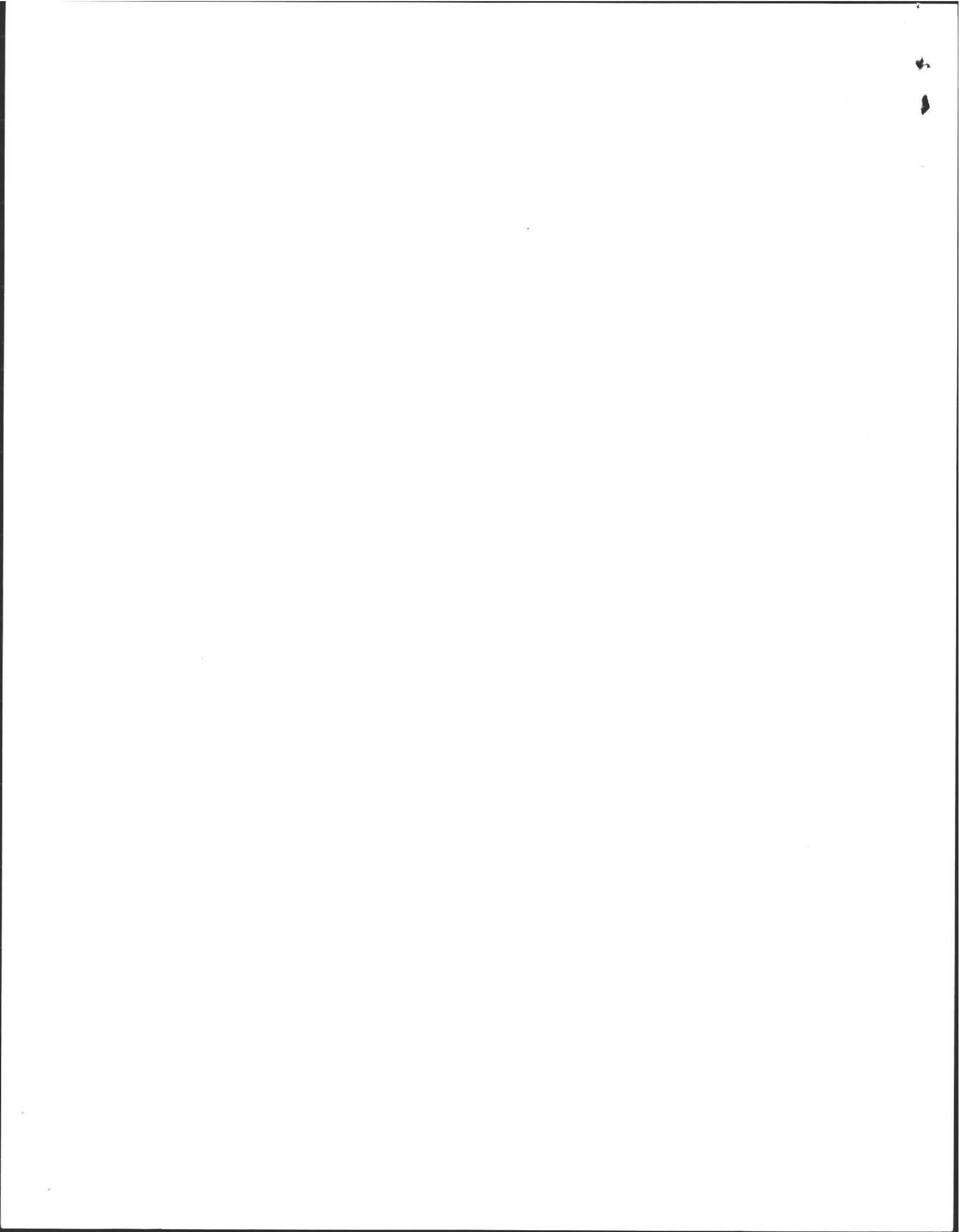


11-22-88
J. Wood/ Rte 116
Page 2

On April 27, 1988 the Commission reviewed the Notice of Intent and issued an Order of Conditions (see attachment D) for construction of a dwelling in a different location than the one that is now shown on the site plan submitted by the applicant to the Board of Health. However, the wetland line that is shown on the site plan that you forwarded to this office is the same one that we have on file and as long as the "no work" line and all setback lines specified in the Order of Conditions are maintained, the Commission most likely would have no objection to the new dwelling location.

In summary, Mr. Wood began this process with the Commission on October 9, 1986 when he initially filed a Request for Determination with the Commission so that he would clearly know where the wetland boundary was on the parcel. The wetland line depicted on the recent site plan submitted to your office by the applicant appears to be accurate. The wetland permitting process was completed by the Commission on April 27, 1987 when the Order of Conditions was issued.

Please feel free to contact this office if we may be of additional assistance





Commonwealth
of Massachusetts

DEQE File No.
(To be provided by DEQE)

City/Town _____

Applicant _____

**Request for a Determination of Applicability
Massachusetts Wetlands Protection Act, G.L. c. 131, §40**

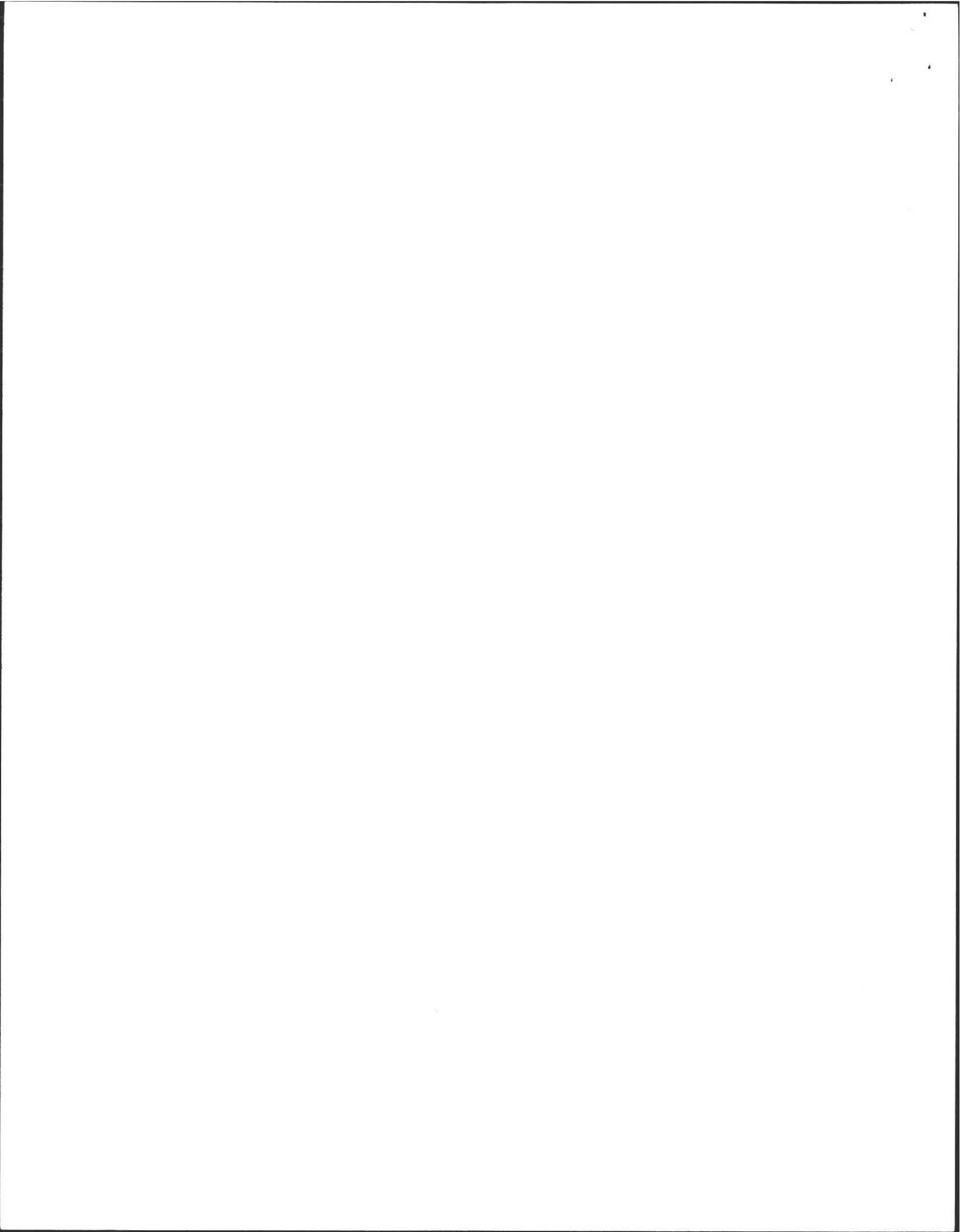
1. I, the undersigned, hereby request that the Amherst Conservation Commission Conservation Commission make a determination as to whether the area, described below, or work to be performed on said area, also described below, is subject to the jurisdiction of the Wetlands Protection Act, G.L. c. 131, §40.
2. The area is described as follows. (Use maps or plans, if necessary, to provide a description and the location of the area subject to this request.)

10½ acres on rout 116, adjacent to WMECo power station assessor's map 2A, parcel 5, book 1230, page 427, Hampshire Registry of Deeds.

3. The work in said area is described below. (Use additional paper, if necessary, to describe the proposed work.)

We wish permission to construct a residence on a 10½ acre parcel on Route 116, Amherst within the 50 to 100 foot zone of a wetland.

We will gaurantee that construction will not take place within the 0 to 50' distance from the wetland and that the contractor will provide a filtration fence, according to the Conservation Commission specifications, at the work line.



4. The owner(s) of the area, if not the person making this request, has been given written notification of this request on October 9, 1986 (date).

The name(s) and address(es) of the owner(s):

Walter C. Jones
134 Montague Road
North Amherst, MA. 01002

5. I have filed a complete copy of this request with the appropriate regional office of the Massachusetts Department of Environmental Quality Engineering on October 9, 1986 (date)

Northeast
323 New Boston Street
Woburn, MA 01801

Southeast
Lakeville Hospital
Lakeville, MA 02346

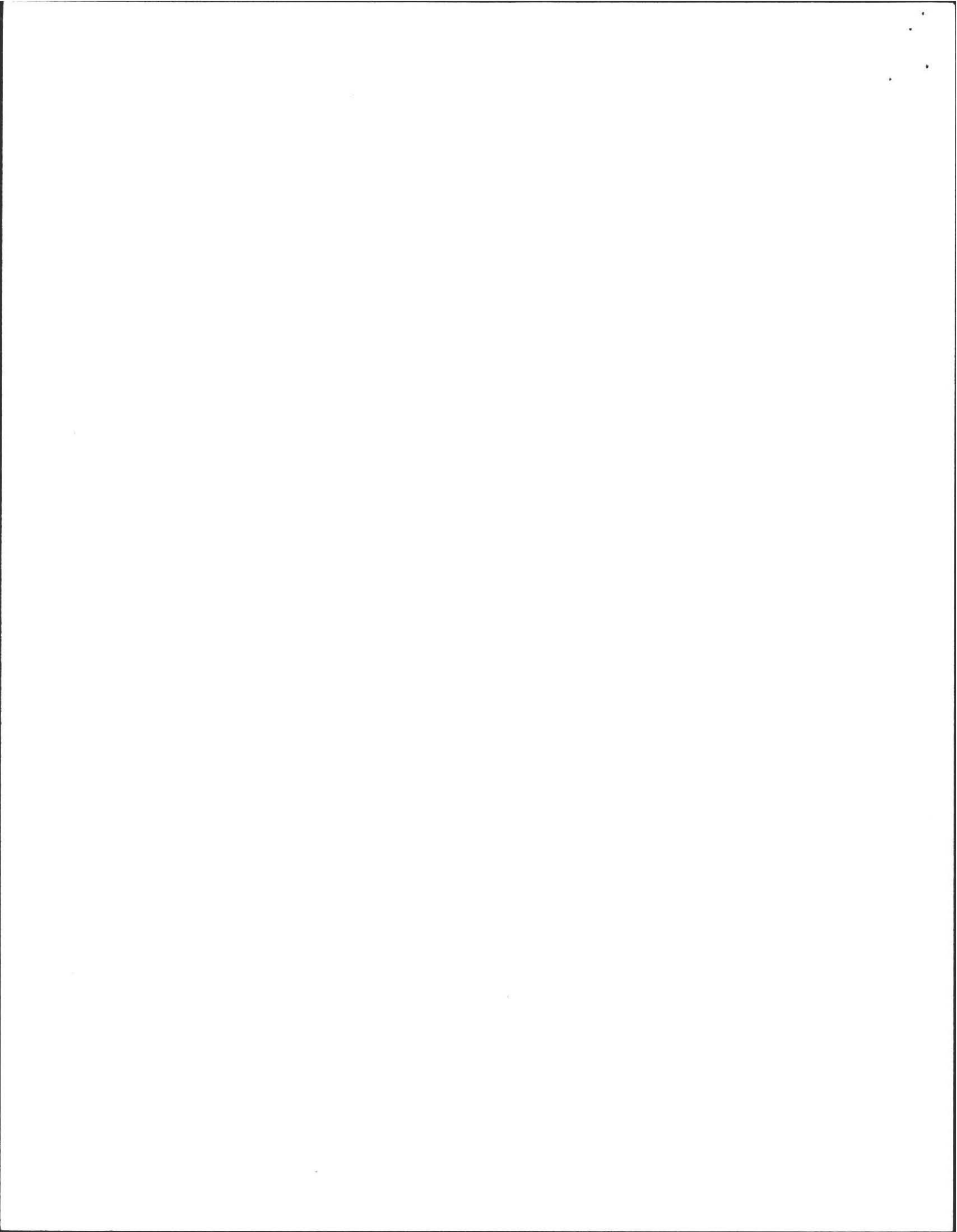
Central
75 Grove Street
Worcester, MA 01605

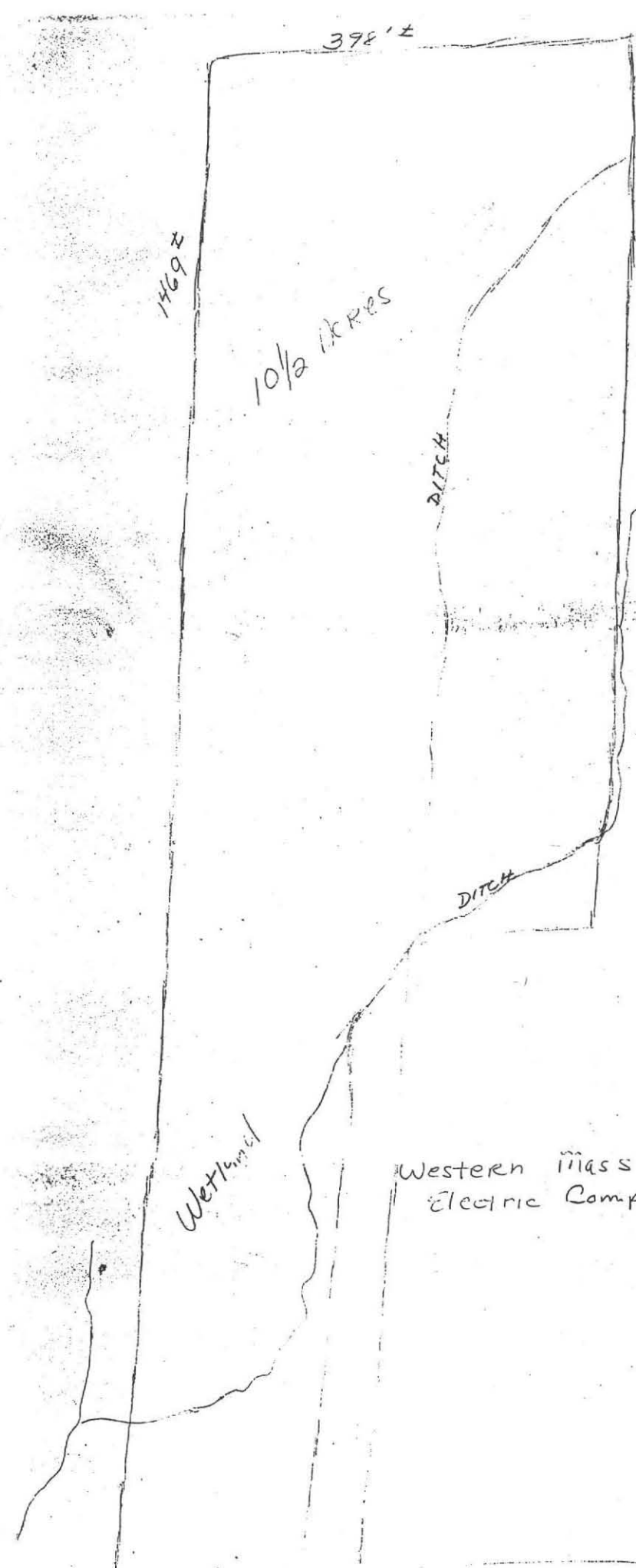
Western
Public Health Center
University of Massachusetts
Amherst, MA 01003

6. I understand that notification of this request will be placed in a local newspaper at my expense in accordance with Section 10.05(3) (b) 1 of the regulations by the Conservation Commission and that I will be billed accordingly.

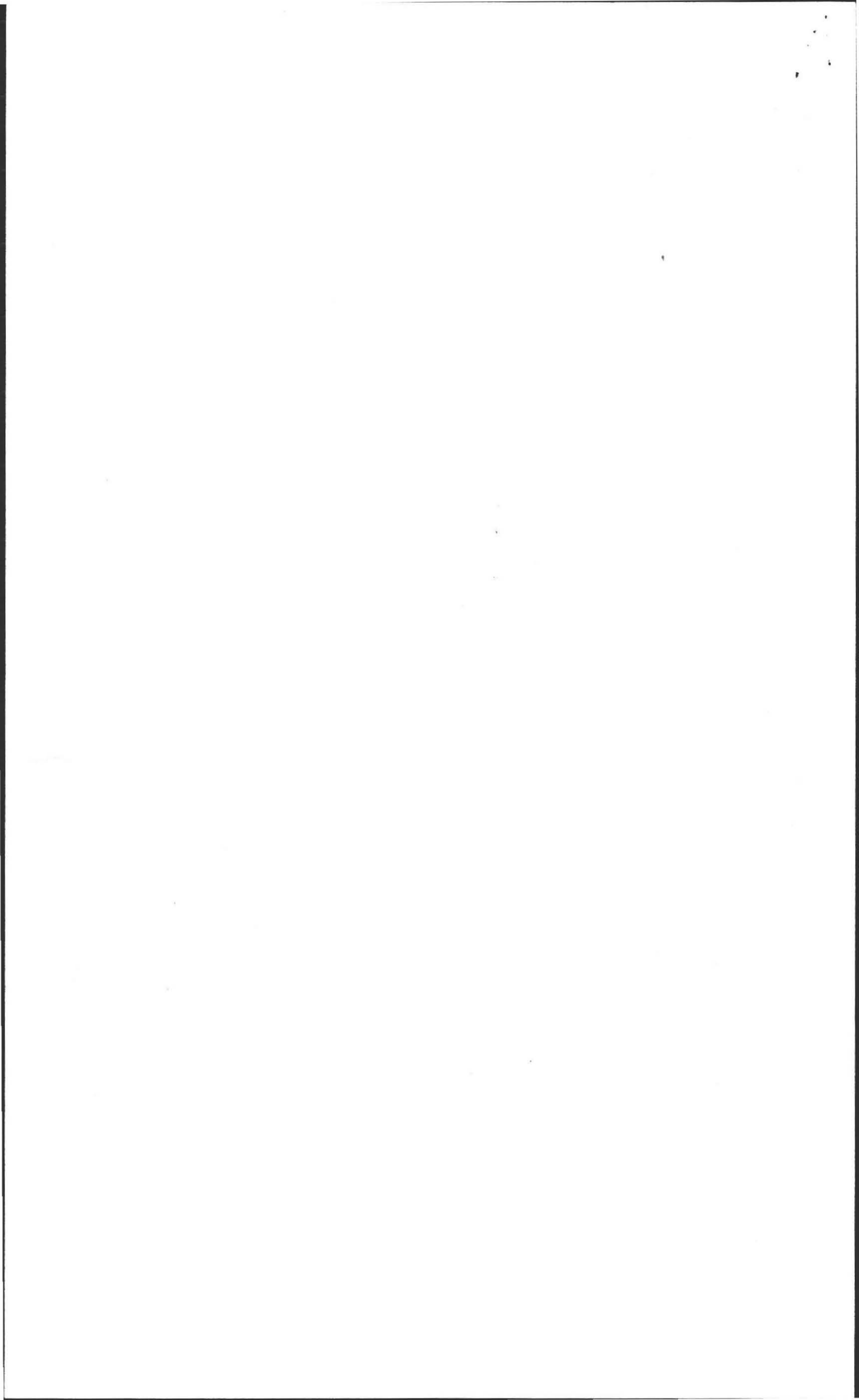
Signature Jeffrey Wood Name Jeffrey Wood
Address 312 Leverett Rd., Amherst, MA. Tel. 413-549-1764

D.E.Q.E.
436 Dwight Street
Springfield, MA. 01103





ROUTE 116, Amherst



3. The work described below, which includes all/part of the work described in your request, is within the Buffer Zone as defined in the regulations, and will alter an Area Subject to Protection Under the Act. Therefore, said work requires the filing of a Notice of Intent.

This Determination is negative:

1. The area described in your request is not an Area Subject to Protection Under the Act.
2. The work described in your request is within an Area Subject to Protection Under the Act, but will not remove, fill, dredge, or alter that area. Therefore, said work does not require the filing of a Notice of Intent.
3. The work described in your request is within the Buffer Zone, as defined in the regulations, but will not alter an Area Subject to Protection Under the Act. Therefore, said work does not require the filing of a Notice of Intent.
4. The area described in your request is Subject to Protection Under the Act, but since the work described therein meets the requirements for the following exemption, as specified in the Act and the regulations, no Notice of Intent is required: _____

Issued by Amherst Conservation Commission

Signature(s)

Neil Kavangh Raymond Kucinski
[Signature] [Signature]
[Signature] _____

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

On this 28 day of October, 1986, before me personally appeared [Signature], 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, Conservation Director, and acknowledged the above to be the signatures of a majority of the Conservation Commission.

Notary Public Kay Floger

My commission expires 2-13-92

This Determination does not relieve the applicant from complying with all other applicable federal, state or local statutes, ordinances, by-laws or regulations. This Determination shall be valid for three years from the date of issuance.

The applicant, the owner, any person aggrieved by this Determination, 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 Quality Engineering to issue a Superceding Determination of Applicability, providing the request is made by certified mail or hand delivery to the Department 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.

FILE

B

Form 2



Commonwealth of Massachusetts

DEQE File No.

(To be provided by DEQE)

City/Town Amherst

J. Wood

Applicant _____

Determination of Applicability Massachusetts Wetlands Protection Act, G.L. c. 131, §40

From Amherst Conservation Commission Issuing Authority

To Jeffrey Wood (Name of person making request) Walter C. Jones (Name of property owner)

Address 312 Leverett Rd., Amherst Address 134 Montague Rd., N. Amherst

This determination is issued and delivered as follows:

by hand delivery to person making request on _____ (date)

by certified mail, return receipt requested on October 28, 1986 (date)

Pursuant to the authority of G.L. c. 131, §40, the _____ Conservation Commission has considered your request for a Determination of Applicability and its supporting documentation, and has made the following determination (check whichever is applicable):

This Determination is positive:

1. The area described below, which includes all/part of the area described in your request, is an Area Subject to Protection Under the Act. Therefore, any removing, filling, dredging or altering of that area requires the filing of a Notice of Intent.

Stream, banks, shrub swamp and wet meadow as partially flagged by the Conservation Commission

2. The work described below, which includes all/part of the work described in your request, is within an Area Subject to Protection Under the Act and will remove, fill, dredge or alter that area. Therefore, said work requires the filing of a Notice of Intent.

Therefore, the 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. This 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 Commission 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 Quality Engineering, File Number 89-152".
10. Where the Department of Environmental Quality Engineering 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.
12. The work shall conform to the following plans and special conditions:

FILE D.

Form 5



Commonwealth of Massachusetts

DEQE File No. 89-152
(To be provided by DEQE)

City/Town Amherst

Applicant J. Wood

Date issued: 4/27/87

Expiration date:

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

From Amherst Conservation Commission

To Jeffrey Wood (Name of Applicant) Walter Jones (Name of property owner)

Address 312 Leverett Rd., Amherst Address Montague Rd., Amherst

This Order is issued and delivered as follows:

- by hand delivery to applicant or representative on (date)
- by certified mail, return receipt requested on April 27, 1987 (date)

This project is located at

The property is recorded at the Registry of Hampshire County

Book 1142 Page 491

Certificate (if registered)

The Notice of Intent for this project was filed on 3/26/87 (date)

The public hearing was closed on 4/22/87 (date)

Findings

The Amherst Conservation Commission 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 Commission at this time, the Commission 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

Issued By Amherst Conservation Commission

Signature(s)
[Signature]
Joanne Kuzmiski-Jackson
Raymond Kuzmiski
[Signature]
[Signature]

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

On this 27th 20 day of April 19 87, before me personally appeared Peter Weimer, to me known to be the Conservation Director and acknowledges that the above are the signatures of the Conservation Commission.

Carol A. Martini October 8, 1993
Notary Public 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 Quality Engineering to issue a Superseding Order, providing the request is made by certified mail or hand delivery to the Department within ten days from the date of issuance of this Order. 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.

Detach on dotted line and submit to the _____ prior to commencement of work.

To _____ Issuing Authority

Please be advised that the Order of Conditions for the project at _____

File Number _____ has been recorded at the Registry of _____ and

has been noted in the chain of title of the affected property in accordance with General Condition 8 on _____, 19 _____

If recorded land, the instrument number which identifies this transaction is _____

If registered land, the document number which identifies this transaction is _____

Signature _____ Applicant

Plans:

Title	Dated	Signed and Stamped by:	On File with:
Board of Health permit application	3/25/87		Commission
layout of existing features at Rt.116 Amherst	12/7/86	(not signed or stamped)	Commission

Special Conditions (Use additional paper if necessary)

1. The following shall take place before any work on the site within the 100-foot buffer zone begins:
 - a. Payment to the Town of a \$5,000 performance deposit, to be returned with interest after completion of all work covered by this Order to the satisfaction of the Commission.
 - b. Recording (and proof of recording) by the applicant at the Registry of Deeds of a permanent deed restriction limiting to one the number of residential buildings that can be built on the property, as offered by the applicant in discussion with the Commission on April 8, 1987, so as to keep to a minimum the septic system work and other site alteration associated with residential construction.
 - c. A meeting at the site between the applicant or his representative(s) and the Commission to review the Order of Conditions and the timetable for proposed work.
 - d. Construction of a siltation fence along a "no-work line" to be flagged in the field by the Commission.
2. Erosion control measures and stone or concrete culvert headwalls to be installed concurrently with the installation of the culvert and septic line at the road crossing.
3. Immediately following the completion of building construction, the site shall be graded and covered with permanent vegetation; temporary mulch and/or netting may be required by the Commission upon inspection of the site at anytime until permanent cover is achieved.
4. No work shall take place, and no soil shall be left exposed, between October 1 and April 15.
5. Following the completion of work and the establishment of vegetative cover, the silt fence may be carefully removed along with any accumulated silt or debris.

(CONTINUED)

(Leave Space Blank)

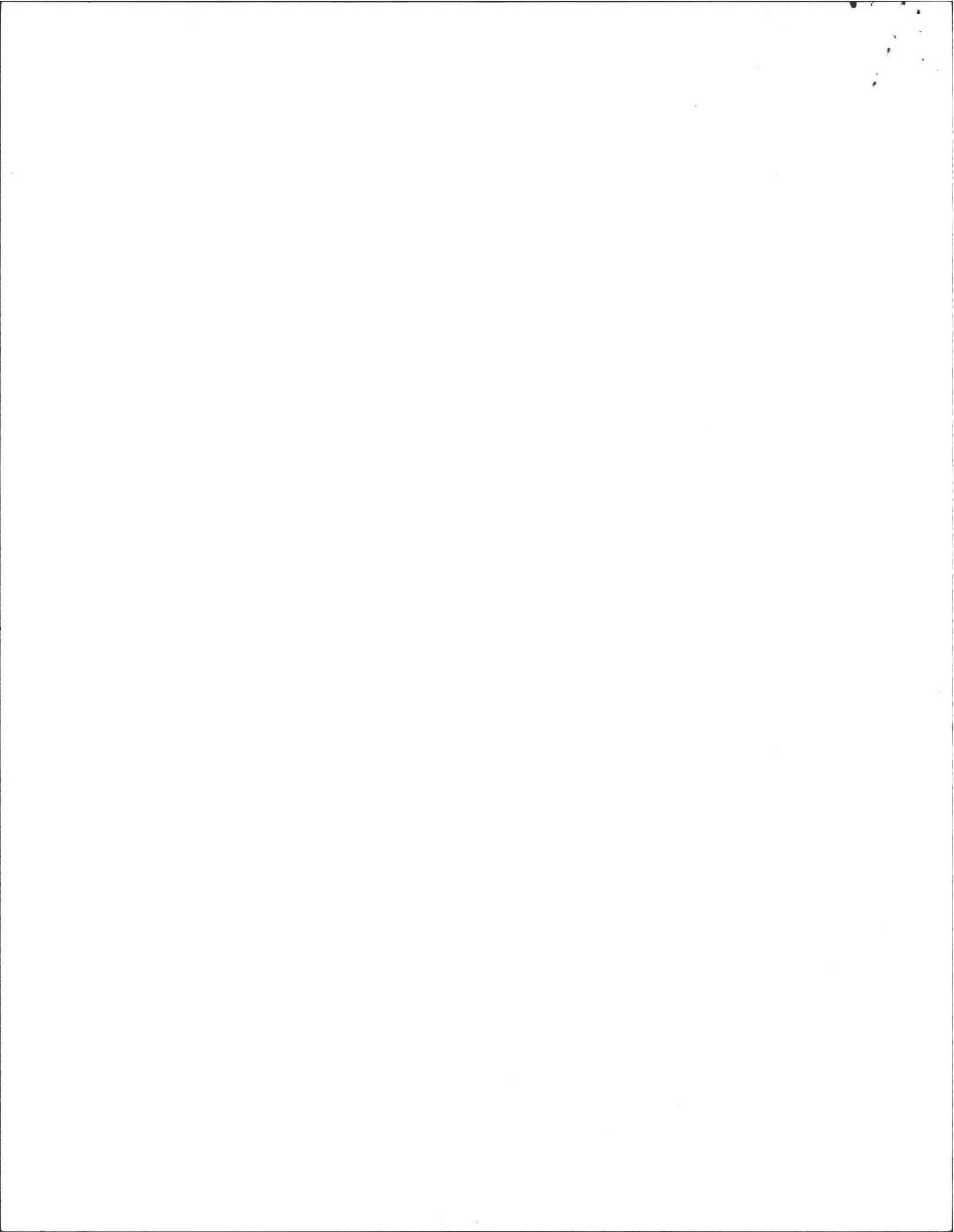
Jeffrey Wood

Order of Conditions, continued

DEQE #89-152

Amherst Conservation Commission

6. At no time shall any soil, fill, or other material be stockpiled either temporarily or permanently within 5 feet of the no-work line.
7. No operation of equipment, alteration of the terrain, or any other work shall take place on the wetland side of the no-work line.
8. Upon completion of all other work on the site, the applicant shall install a permanent barrier approved by the Commission at least 3 feet upgradient of the flagged wetland margin on the building site (northerly of the culvert driveway crossing). No mowing, cutting of plants, or other wetland alteration shall take place within the wetland itself.
9. Plans will otherwise be followed as presented with the Notice of Intent and described by the applicant at the hearing of 4/8/87.
10. The Commission reserves the right to amend these Conditions after legal notice and a public hearing if circumstances change.



549-1764

No.

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

NOTE: THIS APPLICATION IS A REWRITE WITHOUT CHANGE OF APPLICATIONS SUBMITTED 10-86 AND 11-88

TOWN OF AMHERST



BMS-14-90 Application for Disposal Works Construction Permit

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

Location - Address: RTE 116 (SUNDERLAND HIGHWAY)
Owner: WALTER JONES
Address: MONTAGUE RD. AMHERST
Installer: L.E.F. CONSTRUCTION
Address: LEVERETT, MA.

Type of Building: Dwelling
No. of Bedrooms: 6
Expansion Attic (No)
Garbage Grinder (No)
Other - Type of Building:
No. of persons:
Showers () - Cafeteria ()

Design Flow: 110 gallons per person per day. Total daily flow: 660 gallons.
Septic Tank: Liquid capacity 1500 gallons. Length 10'. Width 5'. Diameter: Depth 5'.
Disposal: French. No. 1. Width 18'. Total Length 40'. Total leaching area 720 sq. ft.
Seepage Pit No. Diameter: Depth below inlet: Total leaching area: sq. ft.
Other Distribution box (Yes) Dosing tank (No)

Percolation Test Results Performed by RICHARD LEWIS Date 4-24-86
Test Pit No. 1: 2 minutes per inch Depth of Test Pit 6'-4" Depth to ground water 4'-2"
Test Pit No. 2: minutes per inch Depth of Test Pit 6'-4" Depth to ground water 4'-2"

Description of Soil: To 8" LOAM; To 17" SUBSOIL; To 76" 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: [Signature] Date: June 18, 1990

Application Approved By: _____ Date: _____

Application Disapproved for the following reasons: _____ Date: _____

Permit No. _____ Issued _____ Date _____

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Certificate of Compliance

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

at _____ 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. _____ 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

No. OF FEE

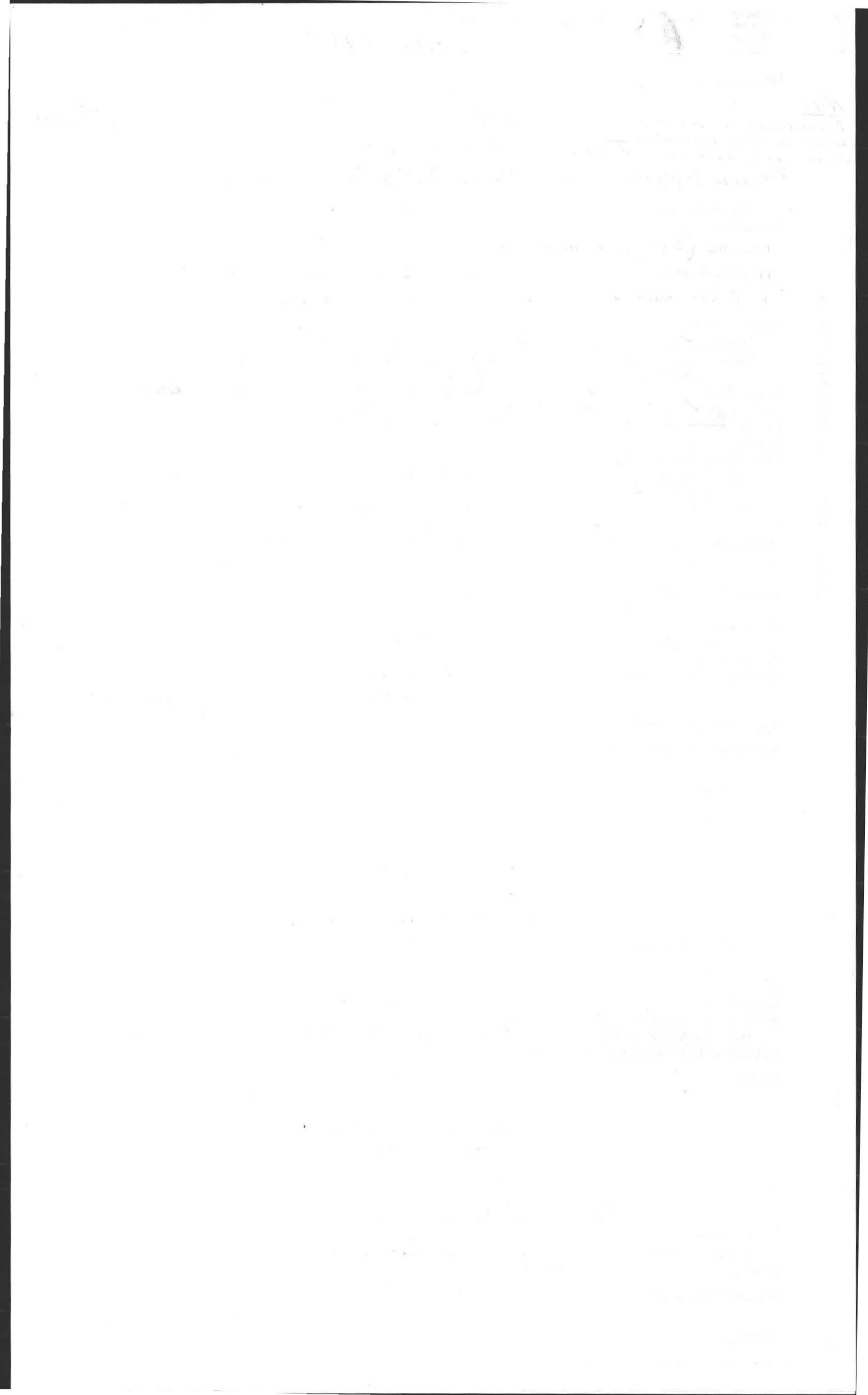
Disposal Works Construction Permit

Permission is hereby granted to Construct () or Repair () an Individual Sewage Disposal System at No. _____ Street _____

as shown on the application for Disposal Works Construction Permit No. _____ Dated _____

DATE _____ Board of Health

CHECK OR FILL IN WHERE APPLICABLE



Town of



AMHERST

Massachusetts

Bettye Anderson Frederic, Director

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

November 2, 1988

To: Daily Hampshire Gazette
From: Bettye Anderson Frederic
Re: Public Hearing

I would like the following Public Hearings to appear in the Daily Hampshire Gazette as soon as possible and then again seven (7) days later under Legal Notices:

PUBLIC HEARING NOTICE

Request for Title V Variances

The Amherst Board of Health will hold a Public Hearing on November 22, 1988 at 7 p.m. in Room 318 of the Bangs Community Center for the following Variance requests:

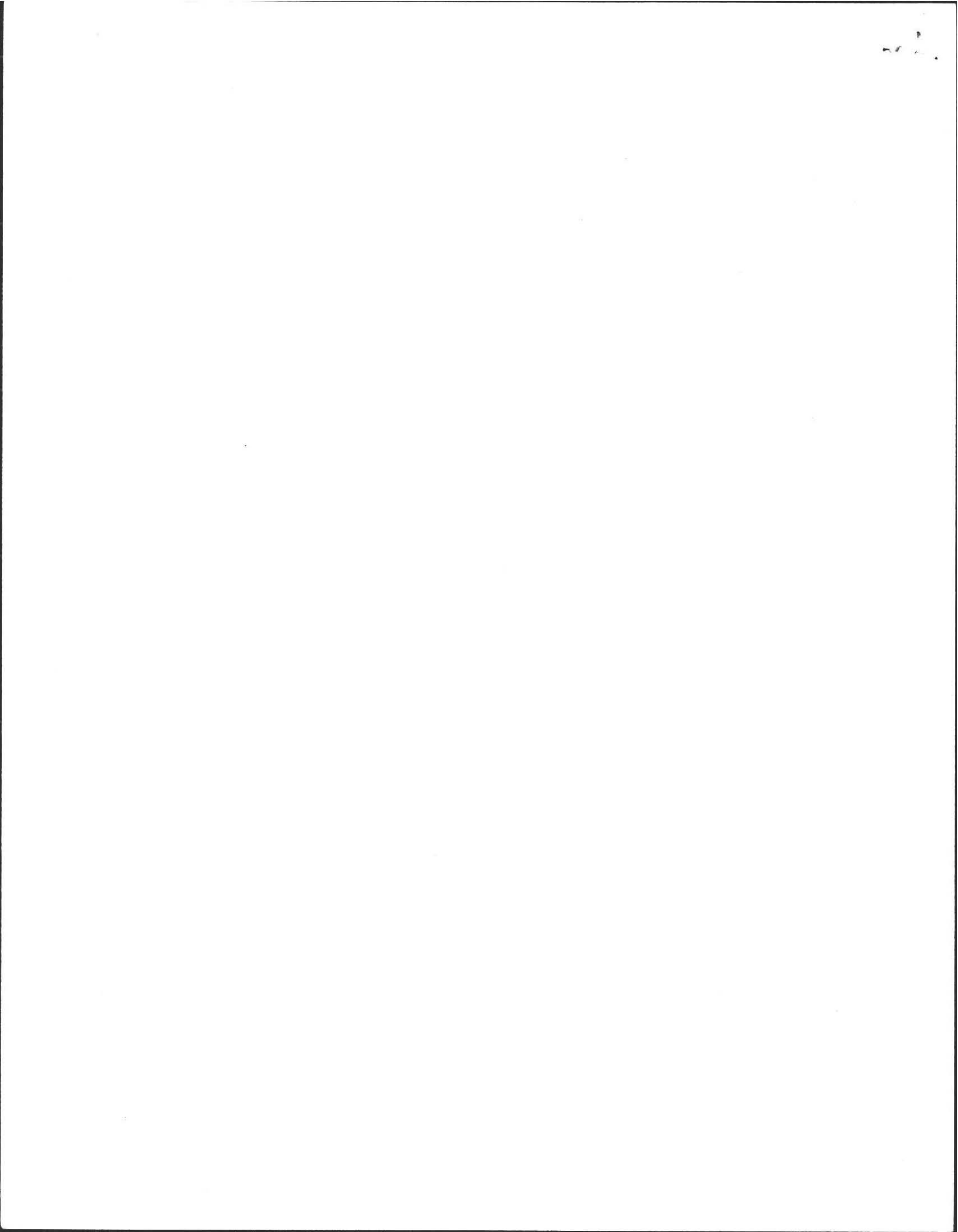
A request by Jeff Wood for a Variance from the required 100 foot distance between a septic system and wetlands on a 10 acre lot on Route 116.

A request by James J. Johnson for a Variance at 745 Station Road from:

15.02 (17) Construction in Fill. Where an individual sewage disposal system is to be constructed wholly or partially in fill, the fill shall be properly placed and...

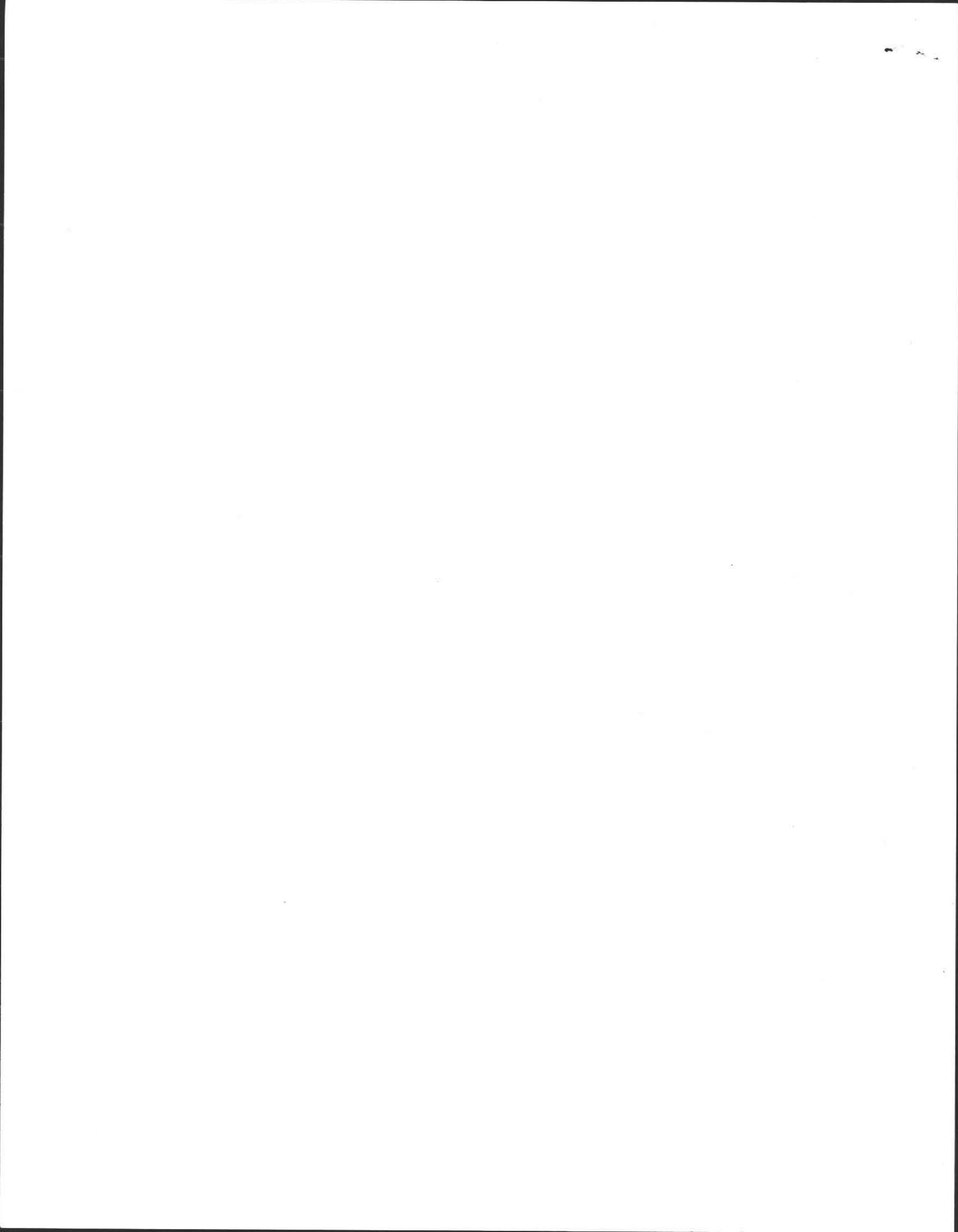
15.03 (6) Required Depth of Pervious Material: Subsurface sewage disposal systems shall be located in an area where there is at least a 4 foot depth of naturally occurring pervious soil below the entire area...

15.15 (7) Impervious Material. Excavations into or fill upon impervious material shall not be allowed...



15.18 (8) Surface Drainage. The grade above and adjacent to a leaching field system shall slope...

A request by Chris Lee Keenan for a Variance to locate a leaching field six feet from the property line at 27 High Point Drive.



Town of

JAN 10 1989



AMHERST • Massachusetts

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

CONSERVATION COMMISSION
AND
CONSERVATION DIRECTOR
(413) 256-0413

December 27, 1988

Trudi Epstein
Valley Wellspring Corporation
RFD #3
Amherst, Ma. 01002

Re: Con. Com. Driveway Approval - ZBA Special Permit #87-17

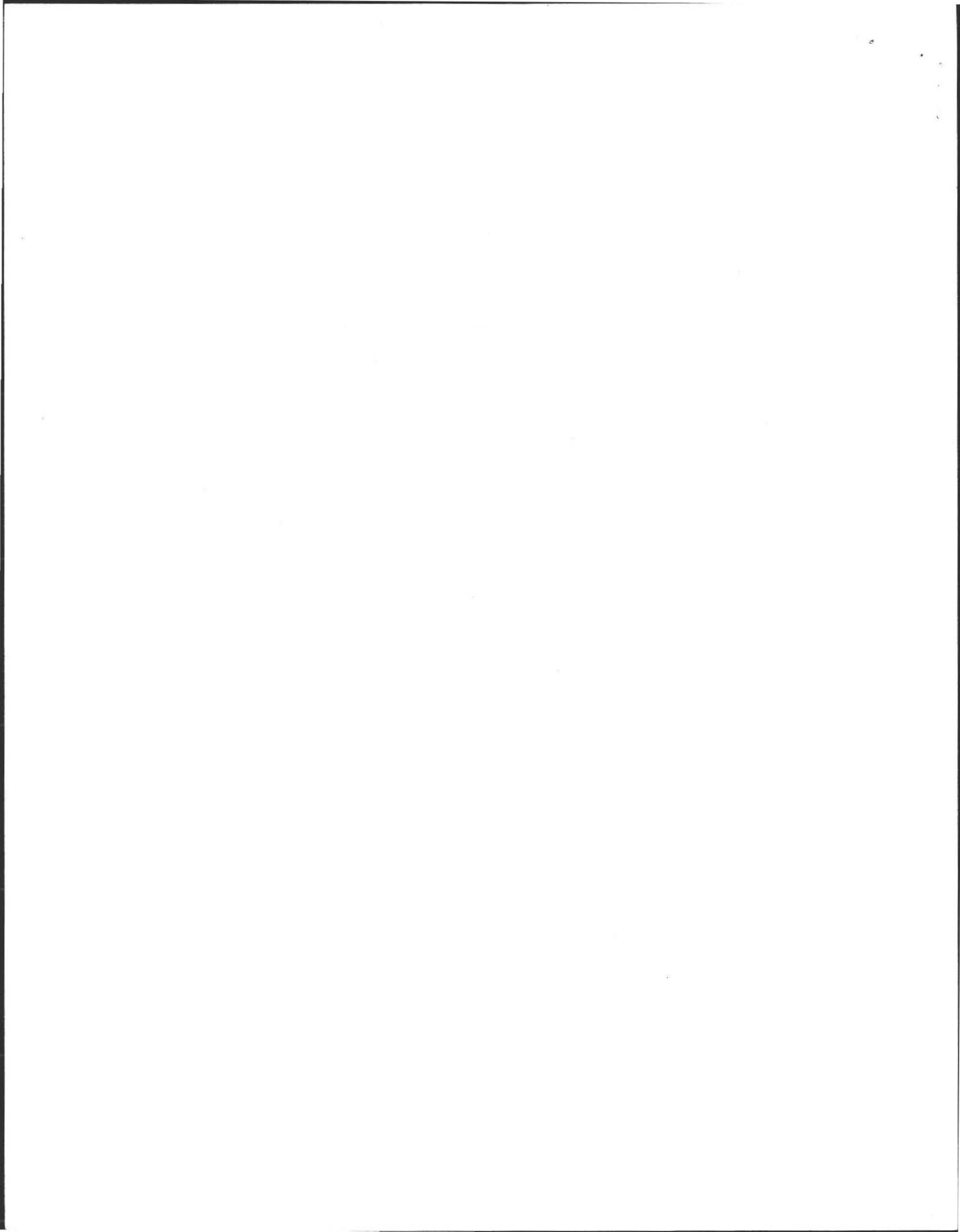
Dear Ms. Epstein:

This letter is to summarize a recent site visit to Jeffrey Wood's property for the purpose of inspecting a proposed driveway location into a newly created flag lot (ZBA Special Permit #87-17, Assessors Map #3A/ Parcel #62), located to the northwest of his 312 Leverett Rd. address.

During our site visit, Mr. Wood indicated to me that one of the conditions specified in the special permit issued by the Zoning Board of Appeals specified that the location of the driveway must be approved by the Conservation Commission. We viewed the centerline of the proposed driveway (as staked by Jeffrey Wood) from the point where it leaves the driveway right-of-way that leads to Joseph Giandalone's dwelling and followed it to the area where the proposed driveway crosses a small ravine to the west and climbs to the edge of the existing field that abuts the railroad.

I indicated to you that I had two concerns, those being: (1.) A section of the proposed driveway was located at the edge of a wetland and (2.) The septic line location as proposed would have to cross a ravine through a possible intermittent stream. Mr. Wood indicated that the ravine crossing was necessary because the approved septic location was one one side of the ravine and the dwelling would be located on the other side of the ravine at the edge of the treeline.

Ineke Dickman, wetlands officer, accompanied me on a subsequent site visit for the purpose of reviewing the proposed driveway location back to the ravine. It was her opinion that there was not a 50% or greater cover of wetland vegetation present in the ravine to warrant this being considered a protectable wetland resource area. However, she concurred with my opinion that the area immediately adjacent to the proposed driveway on its north side, just before the driveway begins the uphill climb across the ravine, is an isolated wetland and therefore, a protectable wetland resource area under the Town of Amherst Wetlands Protection Bylaw.



Epstein
J. Wood - flag lot
12-27-88
page 2

Thus, if you are proposing any work within 100 feet of this area, you are required to submit a Notice of Intent (or an Abbreviated Notice, if you will not be disturbing more than 1,000 sq. ft. of surface area within 100 of the wetland) to the conservation Commission. I have enclosed a copy of the Abbreviated Notice for your use. The Commission will most likely allow a driveway in the general location of the area which Mr. Wood has staked. However, they do require the opportunity to review the proposed project in order to insure that proper performance standards for protecting the isolated wetland are part of the approved project.

Also, I would like to point out that the driveway location as shown to me by Jeffrey Wood is not in the same location as shown on the site plan that was filed with the Zoning Board of Appeals for the special permit to create the flag lot. You may want to contact the ZBA in case there is a need to file an amended plan which would indicate the new driveway location that is being proposed.

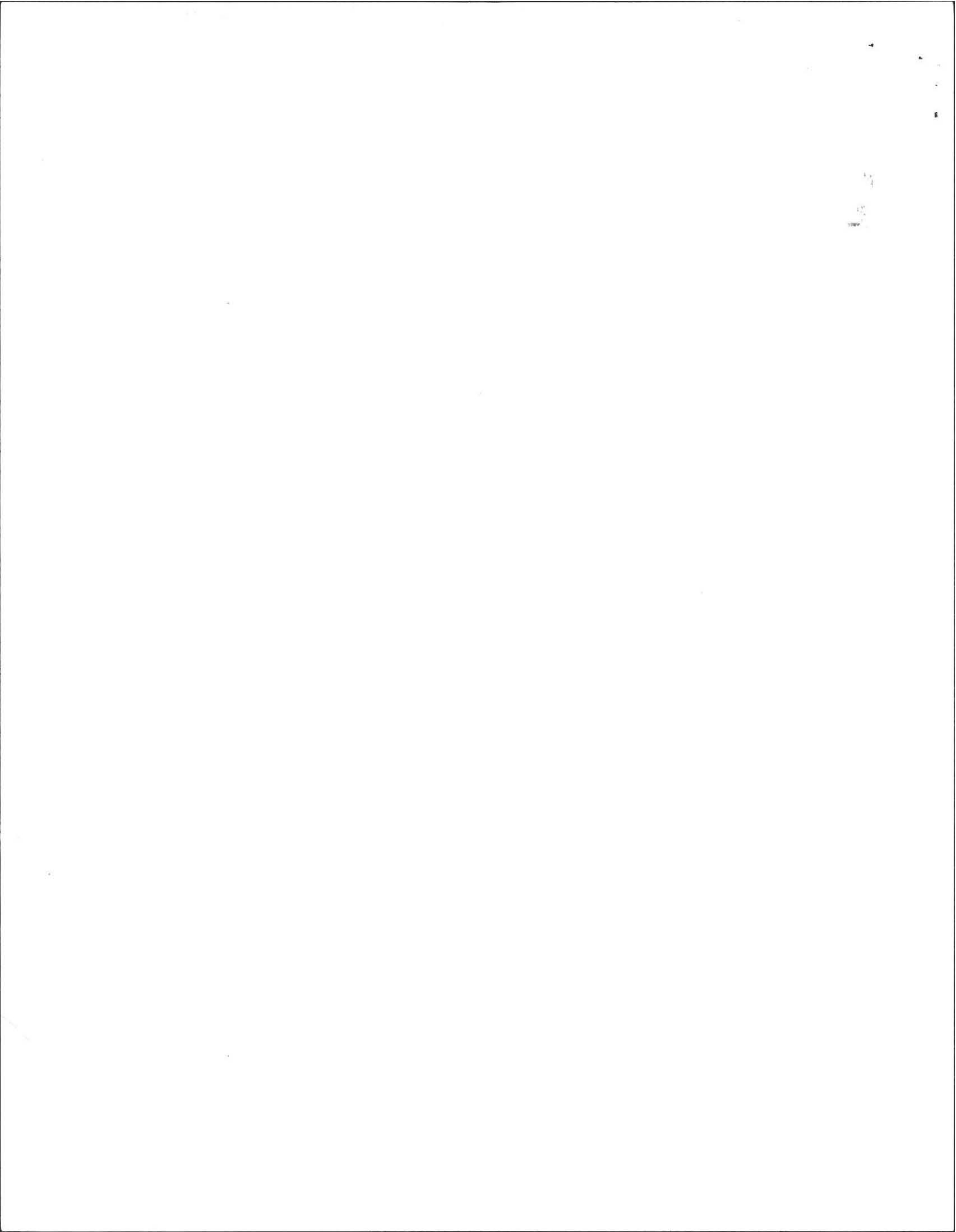
Please contact this office if you have any questions.

Sincerely,



Mary Donahue Klein
Assistant Conservation Director

cc: Alice Epstein, ZBA
William Start, Inspection Services
Bettye Anderson Frederic, Board of Health
Joseph Giandalone



DEC 21 1988

Richard Scott P.E.
31 Shutesbury Road
Pelham, Ma. 01002

December 16, 1988

Jeffrey Wood
216 Leverett Road
Amherst, Ma. 01002

Subject: Variance Request for Septic Permit at Sunderland
Road (Route 116)

Dear Mr. Wood:

Contained herein is information for your transmittal to the
Amherst Board of Health.

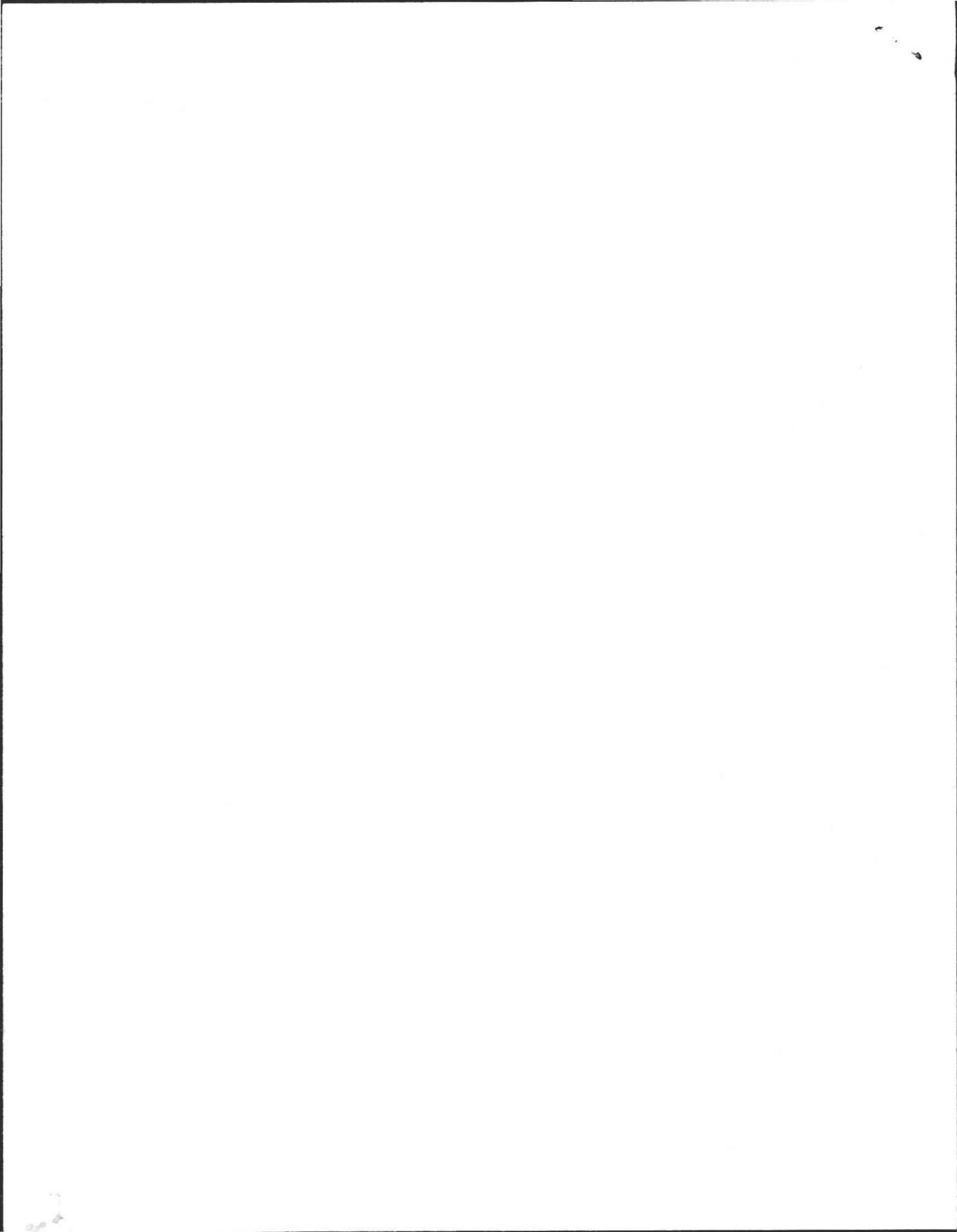
The initial variance hearing was held on Tuesday, November
22, 1988. As I understand the Board's position, your
application is approvable except for the unknown effects of
future modifications to the watershed upstream and
downstream of your property. This concern prompted the
Board to grant a 6 month extension of your permit
application and to request an additional review of the
property by me and the Health Agent, David Zarozinski.
My activities since November 22 are as follows:

Tuesday 11-29-88 Telephone discussion with David
Zarozinski. Since proximity to the wetland was an
issue, Dave's wish was to have a representative of the
Conservation Commission join us for the site review.
He had so far been unsuccessful in reaching Pete
Westover at the Conservation Commission.

Thursday 12-1-88 Telephone discussion with Pete
Westover. He was unable to meet with us at the jobsite
on 12-3-88. He asked that I contact Enika during the
following week to arrange a site visit for 12-10-88.

I tried repeatedly during the week of 12-5-88 to reach
Enika and in the process left messages with Mary
Donohue.

Thursday 12-8-88 Explained the situation to Enika who
relayed much of the conversation to Mary Donohue.
Twenty minutes later I received a return call from
Mary. After consulting with Enika and perhaps with
Pete Westover, she provided me with the position of the
Conservation Commission.



- 1.) They do not see a necessity to visit the site again.
- 2.) Changes upstream of the site will not have lasting effect on the wetland near the site.
- 3.) Changes downstream of the site can have significant impact on the site but those effects cannot be assessed since the future modifications are unknown.
- 4.) Future plans to change the watershed will be subject to Conservation Commission review. Those changes will be evaluated in light of structures and facilities which are in place at that time.

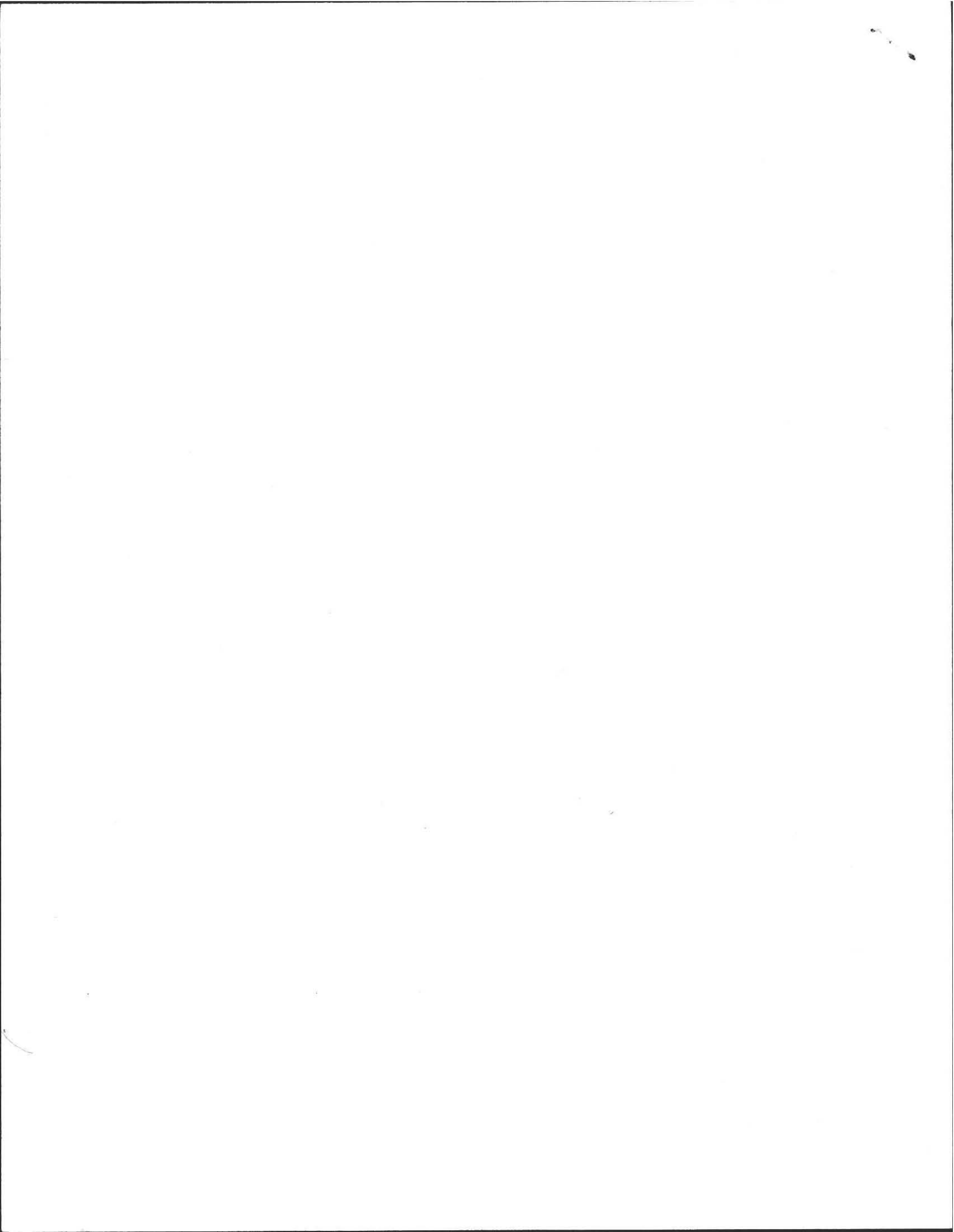
In short, the Commission stands by their previous reviews of the site and Notice of Conditions for the construction. Mary Donahue has indicated to me that she will provide this information directly to the Board of Health if they communicate this request to her.

Despite the fact that the requested site visit has not been done, we have pursued the Board's concern as outlined above. It seems to me that your way is clear again now to return to the Board and ask for their completion of the variance request. I will make myself available to respond to any remaining issues which the Board feels are still unresolved. Until I hear from you I will not work further on this project.

Sincerely,

Richard Scott, P.E.

cc: Amherst Board of Health Agent, David Zarozinski
Amherst Conservation Commission, Mary Donahue



Town of



AMHERST

Massachusetts

Bettye Anderson Frederic, Director

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

December 2, 1988

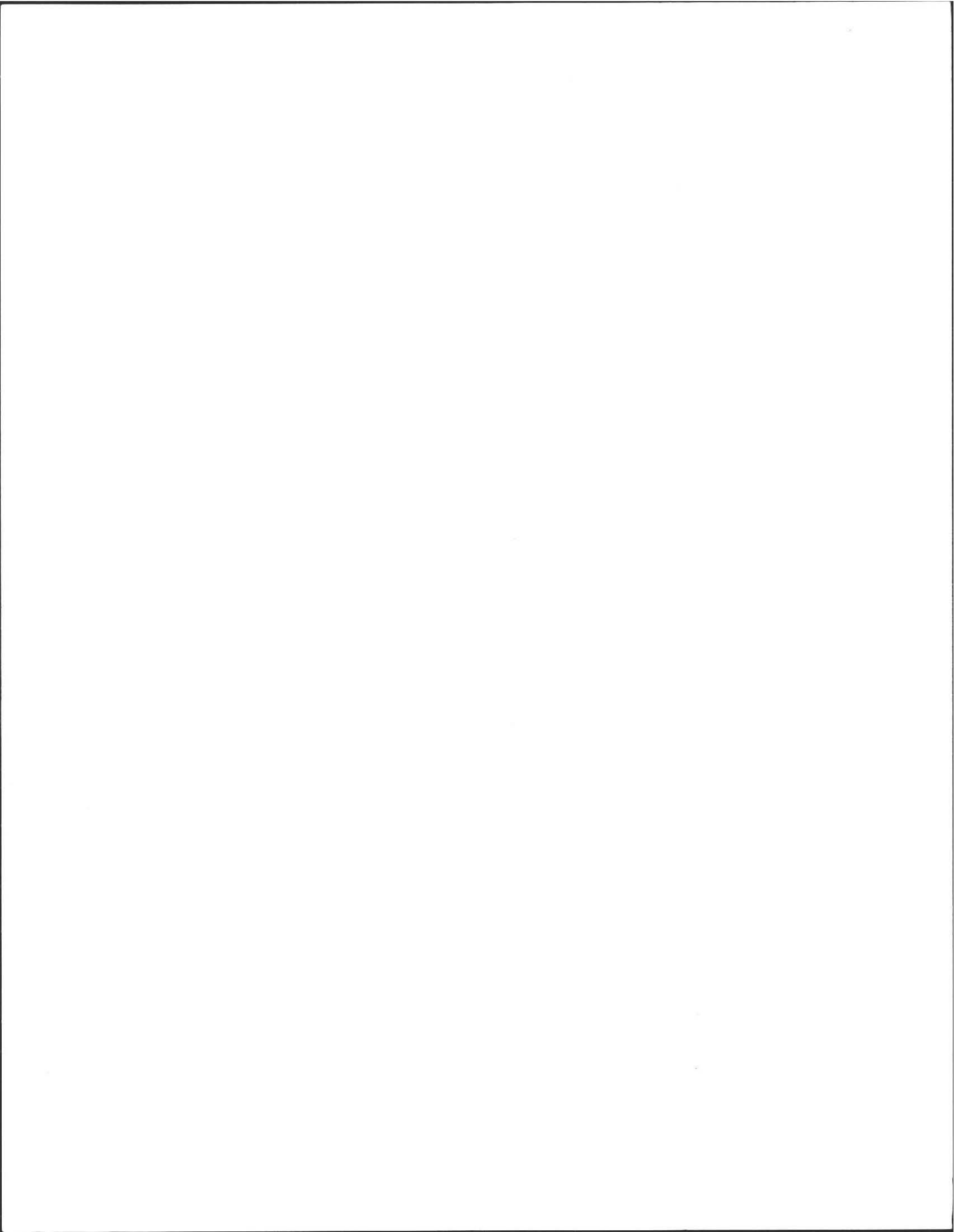
TO: Jeffrey Wood, Leverett Road, Amherst, MA.
FROM: Bettye Anderson Frederic, Health Director *BAF*
RE: Board Action Regarding Variance
Lot on Sunderland Road off Route 116

The action of the Amherst Board of Health regarding your Hearing on the Variance to Title V is as follows:

Unanimous vote to extend the current septic application for six months, (June, 1988), however, no work is to be done in the meantime and to give Mr. Woods' engineer time to provide flow data on the surrounding bodies of water and water impact which could lead to a system failure.

Hearing to be continued.

BAF:klw



NOV 14 1988

Richard Scott P.E.
31 Shutesbury Road
Pelham, Ma. 01002

November 10, 1988

David Zarozinski
Amherst Health Department
Bangs Community Center
Amherst, Ma. 01002

Subject: Septic System Design at Rte 116 for Jeff Wood

Enclosed are one copy of each of the two previously submitted revisions of the septic system layout. These should be on record at the Board of Health office.

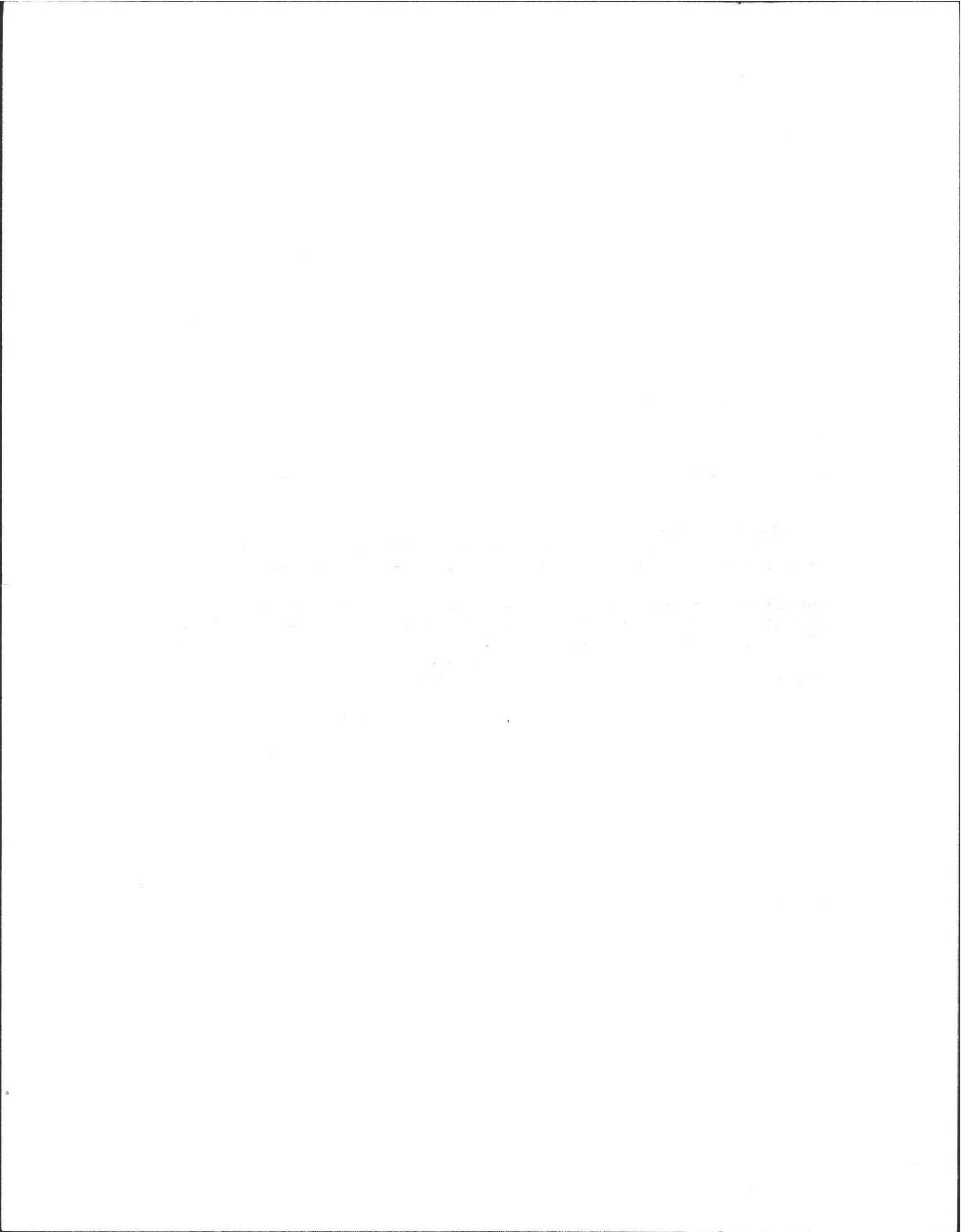
The Perc and Deep Hole location were not transferred onto the third and newest system layout which is dated March 21, 1987. Also enclosed here are four copies of the March 21, 1987 plan with the revision to add back that information. Thanks for your attention to this detail.

Sincerely,



Richard Scott, P.E.

RMS/js
Encl:
cc: J. Wood w/ Encl.





AMHERST

Massachusetts

Bettye Anderson Frederic, Director

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

November 2, 1988

Mr. Jeffrey Wood
Leverett Road
Amherst, Massachusetts 01002

RE: Plan Review - Route 116 Lot

Dear Mr. Wood:

This office is in receipt of a written request dated October 14, 1988 from Attorney Joseph A. Wilhelm, III for a variance from the Amherst Health Department regulations for the installation of a leaching system within 100 feet of a wetlands area.

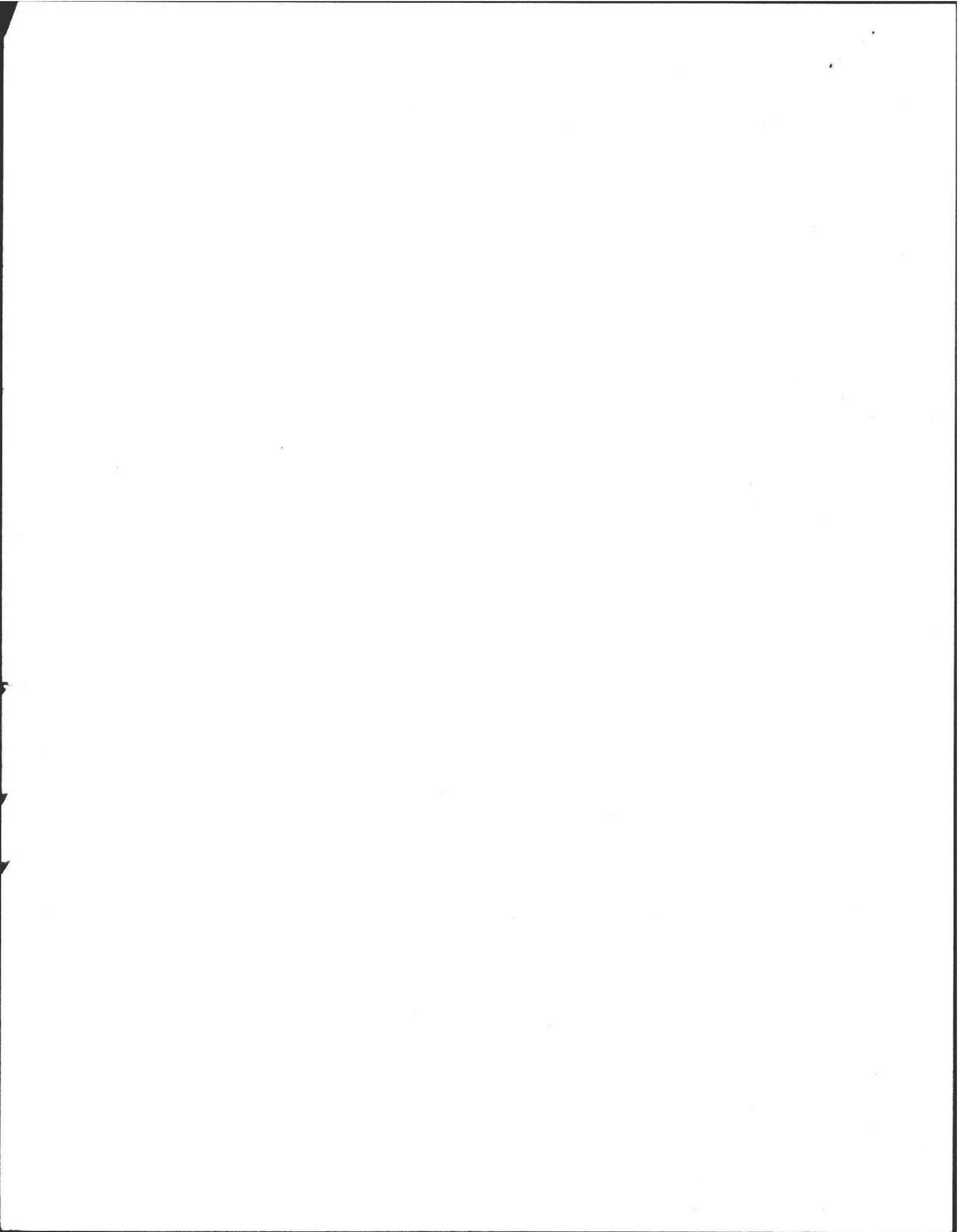
The property in question is a lot on Route 116 owned by Mr. Jeffrey Wood. The disposal works construction permit was issued by the Health Department on December 31, 1986 with a revised plan being submitted and approved on January 7, 1987. The initial plan showed the location of a leaching system within 100 feet of a wetlands area. This is in violation of Regulation 3 of Amherst Health Department's Supplementary Title V Regulations.

New documents about this property were submitted to this office on October 27, 1988. The system design differs from the originally approved plan in the following respects:

- house and septic tank have been relocated on the lot
- system includes the installation of a pump system
- reserve leaching area has been relocated within 50 feet of the wetlands area (reserve area must be relocated; Title V requirement)

In other respects the plan is similar to the design approved on December 31, 1986.

At the present time, installation of the system cannot be approved because of its location to the wetlands area. It does not appear possible that a leaching system and a reserve area can be located in this part of the property and still be 100 feet from the designated wetlands area. The applicant is aware of this situation and is, therefore, requesting that a variance to Regulation 3 of the Health Department's regulations be granted.



The applicant considers this an unfair situation as he has indicated to me that he and his engineer were not informed of the regulation requiring the 100 feet offset to wetlands at the time of application and a permit for the installation of the system as indicated above had been issued by this office.

I have included all of the correspondence and the original records for your review.

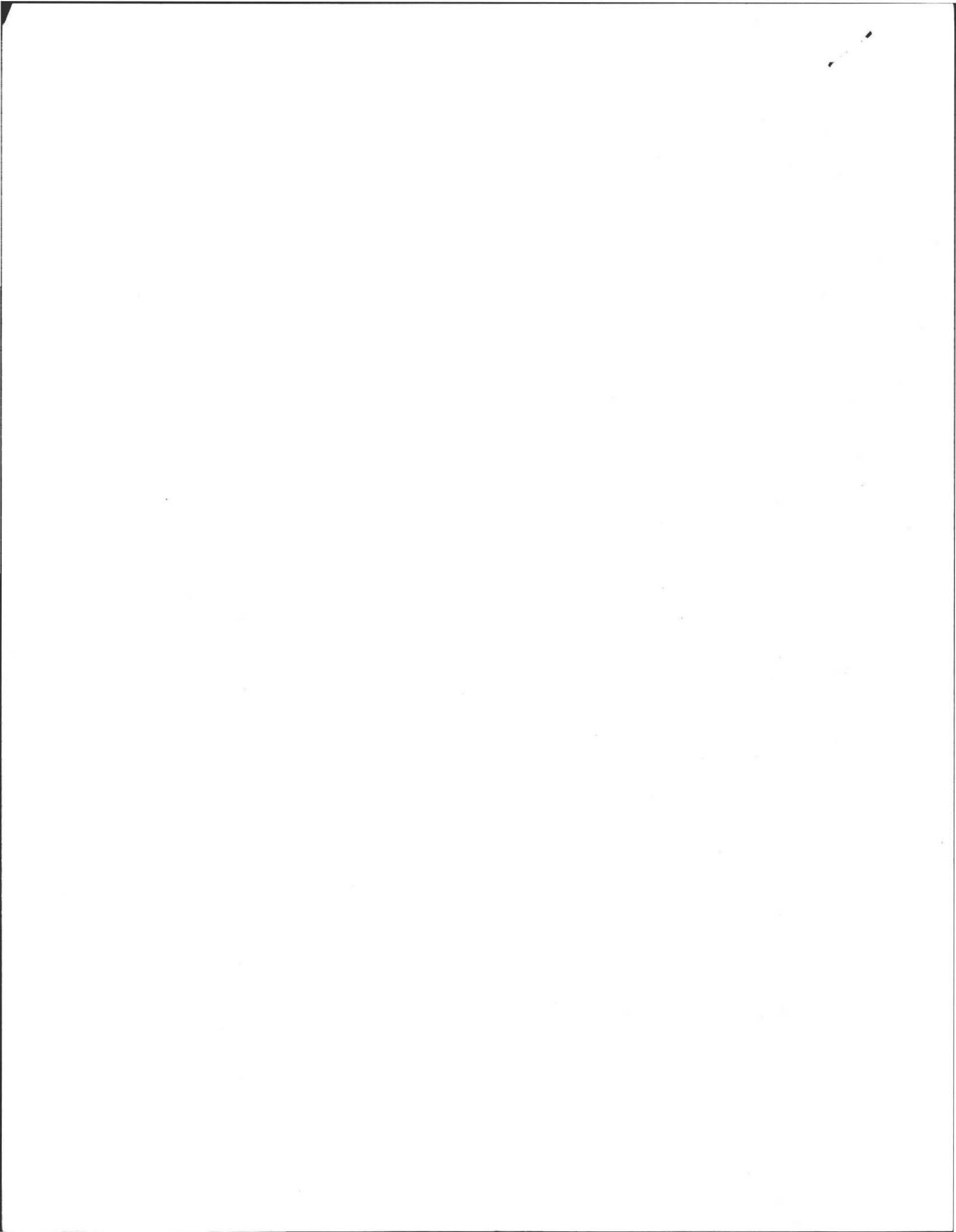
Sincerely,



Dennis A. Pinski, C.H.O., R.S.
Health Agent

DAPK1W

NOTE: Revised plan showing the location of the reserve area outside 50 feet of wetlands was submitted to this office November 2, 1988.





AMHERST *Massachusetts*

Bettye Anderson Frederic, Director

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

November 2, 1988

To: Daily Hampshire Gazette
From: Bettye Anderson Frederic
Re: Public Hearing

I would like the following Public Hearings to appear in the Daily Hampshire Gazette as soon as possible and then again seven (7) days later under Legal Notices:

PUBLIC HEARING NOTICE

Request for Title V Variances

The Amherst Board of Health will hold a Public Hearing on November 22, 1988 at 7 p.m. in Room 318 of the Bangs Community Center for the following Variance requests:

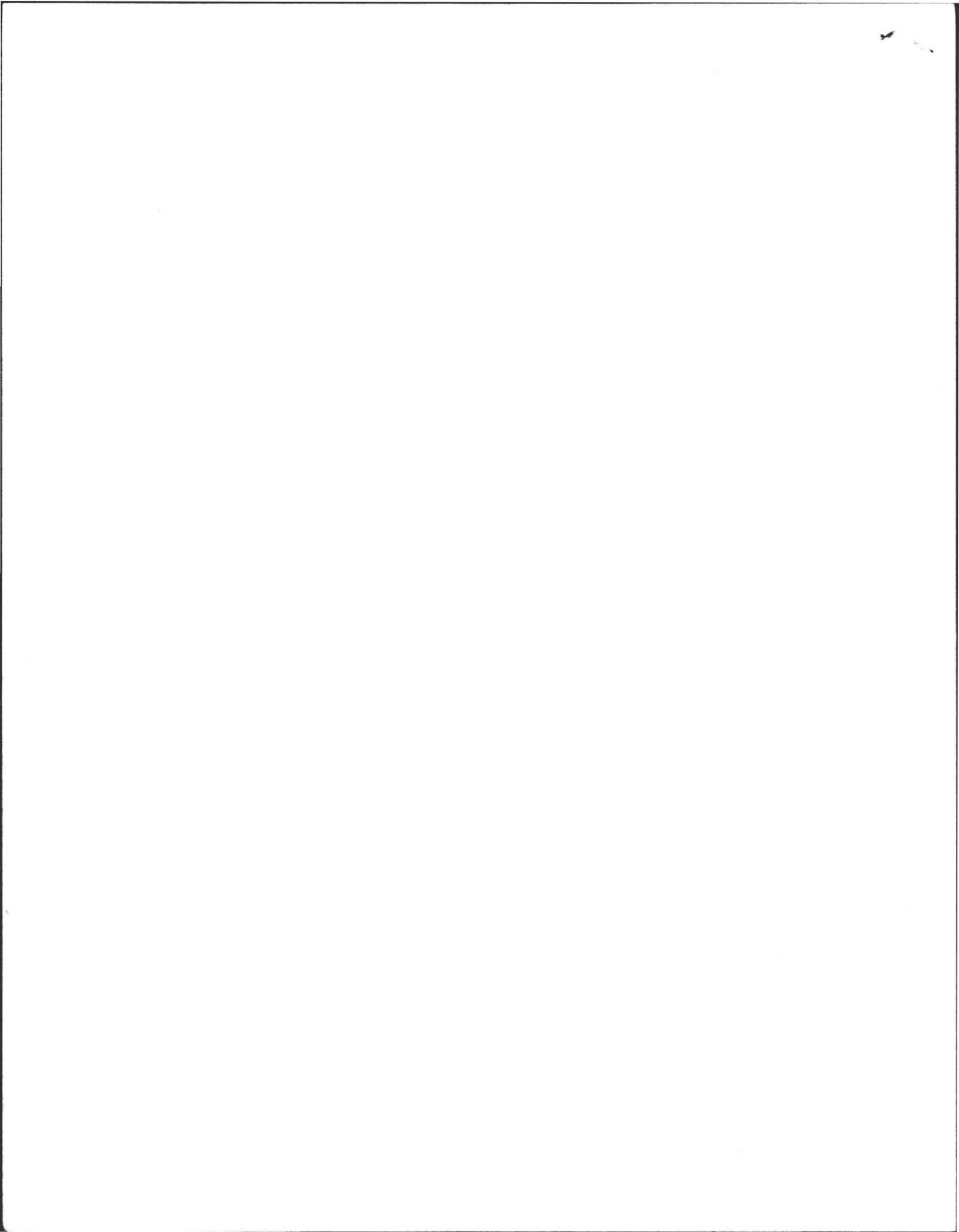
A request by Jeff Wood for a Variance from the required 100 foot distance between a septic system and wetlands on a 10 acre lot on Route 116.

A request by James J. Johnson for a Variance at 745 Station Road from:

15.02 (17) Construction in Fill. Where an individual sewage disposal system is to be constructed wholly or partially in fill, the fill shall be properly placed and...

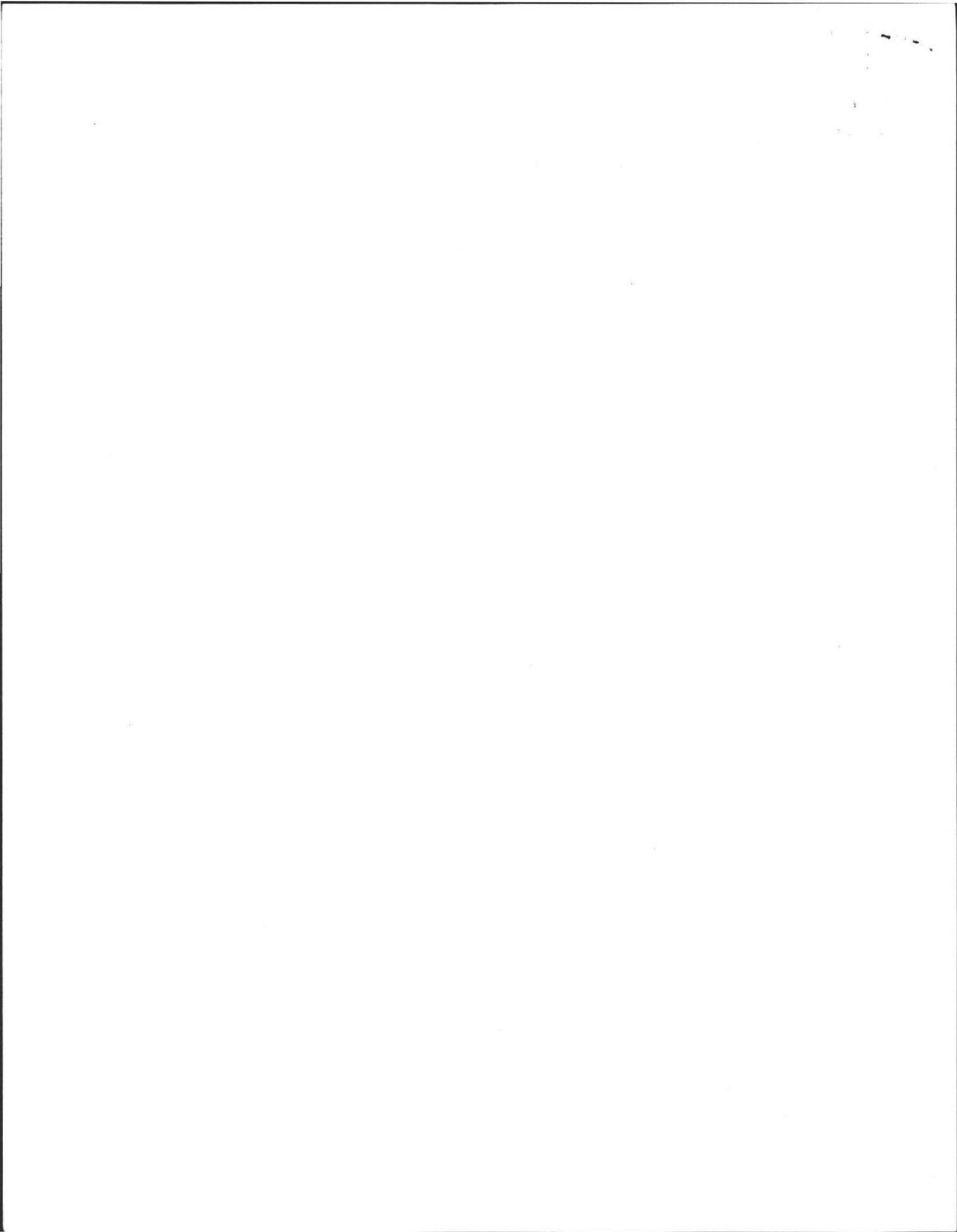
15.03 (6) Required Depth of Pervious Material: Subsurface sewage disposal systems shall be located in an area where there is at least a 4 foot depth of naturally occurring pervious soil below the entire area...

15.15 (7) Impervious Material. Excavations into or fill upon impervious material shall not be allowed...



15.18 (8) Surface Drainage. The grade above and adjacent to a leaching field system shall slope...

A request by Chris Lee Keenan for a Variance to locate a leaching field six feet from the property line at 27 High Point Drive.



AMHERST BOARD OF HEALTH

Public Hearing

Variance to Title V

Date: November 22, 1988

Present: Awad, Calhoun, Stein and Reed

Staff: Frederic and Zarozinski

Guests: Richard Scott, Chris LeeKeenan, Don Maia (for Mr. and Mrs. Joseph Rocasah - Sunderland Road), Jim Johnson, Tony Szala, Roger Bacon, Joseph A. Wilhelm (Attorney for Jeff Wood), Jeff Wood

Hearing Officer: Alan Calhoun, M.D.

Request from Mr. Jeff Wood for his property on Sunderland Road off Route 116 for a Variance to Title V Local Exception of Distance to a Wetland.

III. No private sewage disposal system shall be located nearer than 100 feet from any water course, stream or pond.

Calhoun: "Who would like to come forward and state the problem?"

Wilhelm: "Same problem, we were here for before. Mr. Wood has gaggles of lots with this little problem. This is the second in a series. Everything got approved earlier by your representative and the Town."

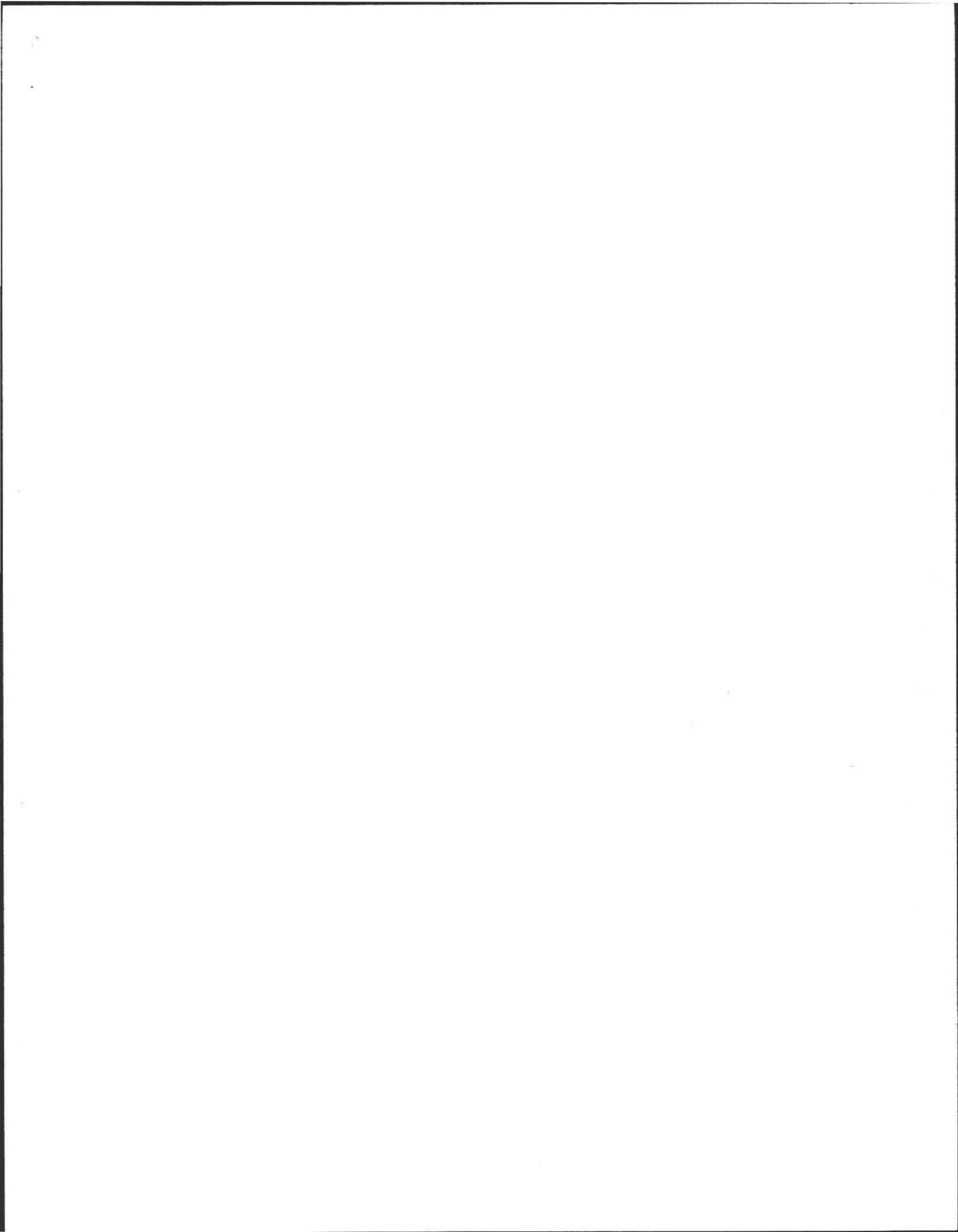
"We meet Title V, but we do not meet Amherst Supplemental Regulation #3. It is our feeling that the wetlands is safe not causing any problem. We have a letter from Mr. Pinski. I don't know if there is an objective from Mr. Pinski. I don't know if this is a problem, but if so, Rich is here to answer specific technical questions."

Calhoun: [Read into the record, the Conservation Commission report dated November 22, 1988.] "...However, the wetland line that is shown on the site plan that you forwarded to this office is the same one that we have on file and as long as the "no work" line and all setback lines specified in the Order of Conditions are maintained, the Commission most likely would have no objection to the new dwelling location."

Calhoun: "Where does this water go?"

? "It drains into the Dickinson pond."

Maia: "It's wet there and the septic system, it it isn't working, it will overflow and contaminate the pond."



Szala: "What if I dam up the pond? Then you would overflow."

Scott: "What pond is that? Where is it? How far away?"

Maia: "Our pond is right at the line where the septic is proposed."

Szala: "On the other side of the Western Massachusetts Electric property."

Scott: "How far away 250 - 500 feet?"

[Discussion between the parties not addressed to the Hearing Officer.]

Wilhelm: "We and your staff didn't know what the rules were - then there was this glick. The septic permit will expire in the immediate future, in December, 1988. If we can get an extension then we will go and draw-up the flow plans."

Wood: "I would be willing to forestall construction if we can have that extension."

Wilhelm: "It will not really impact on when the house will go in. This is the third version of the construction plans."

Szala: "I wonder what is really going in there. There was rumor
Maia : that many ponds and a fishery was going there, not a house."

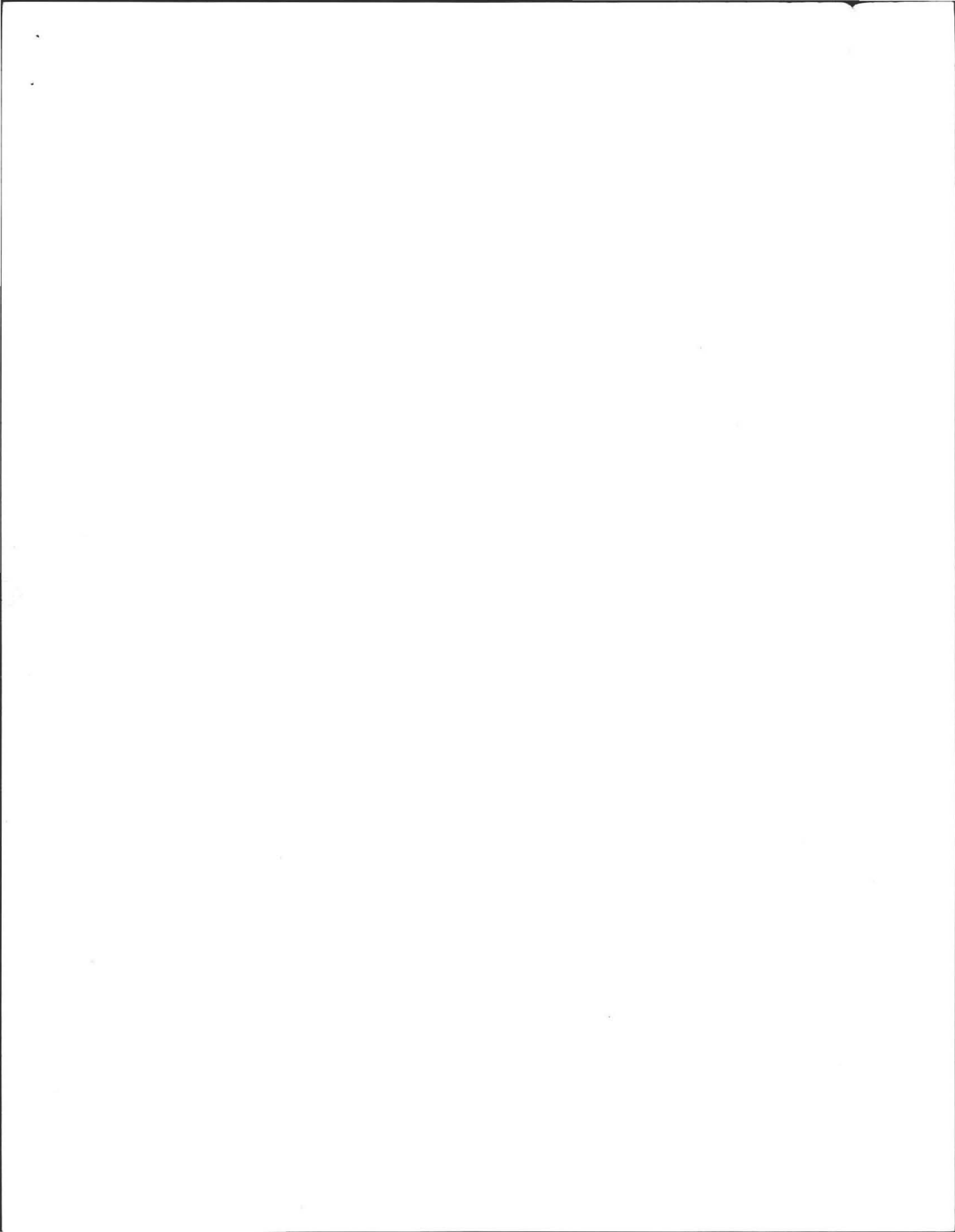
Calhoun: "The system we are reviewing calls for a residence."

Wilhelm: "It was a rumor, but it's no longer accurate. They approached Mr. Wood about building this little pond and then it began these multiple ponds and they are not involved anymore."

Szala: "I was at a meeting! Well that explains it."

ACTION: Unanimous vote: to extend the current septic application for six months (June, 1988), however, no work is to be done in the meantime and to give Mr. Woods' engineer time to provide flow data on the surrounding bodies of water, and water impact which could lead to a system failure.

Hearing to be continued...



OCT 27 1988

Richard Scott, P.E.
31 Shutesbury Road
Pelham, Ma. 01002

October 24, 1988

Dennis Pinski
Amherst Health Department
Bangs Community Center
Amherst, Ma. 01002

Subject: Septic System Design for Jeff Wood's Lot on Rte 116

Dear Dennis:

As we discussed by telephone, this permit was issued by Charlie Drake in December, 1986. A revision in house location was made in January, 1987. You have told me that these two submissions are documented in your files. You do not however have a copy of the D.E.O.E. Notice of Intent for the property. To update your information, a copy is enclosed herewith.

The site design was revised as part of the Notice of Intent process. The layout now requires a pump from the septic tank to the leachfield. The field however is unchanged in location, size, and elevations as compared to the January, 1987 revision.

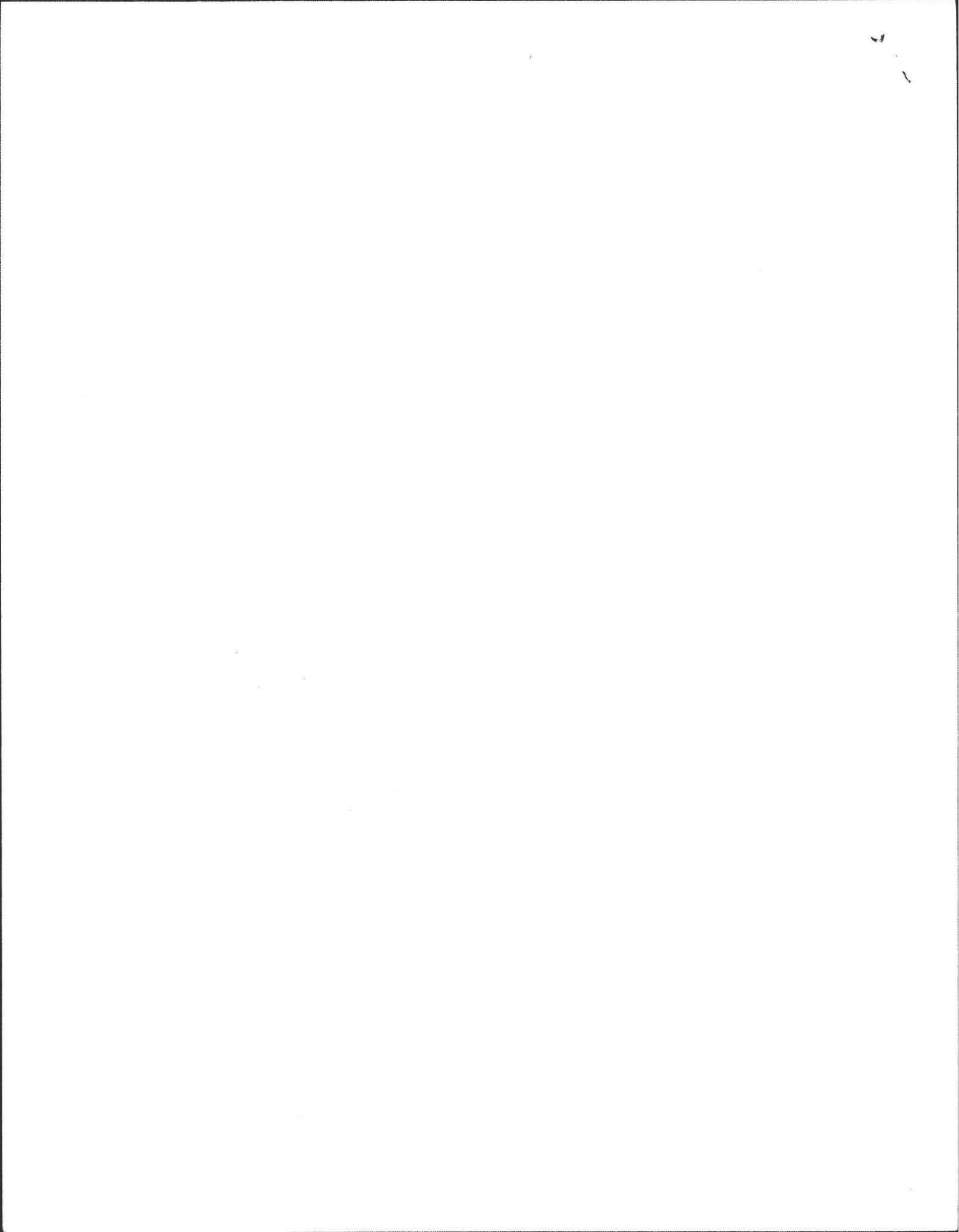
I understand that Mr. Wood has asked to finalize the permit at the next Board of Health meeting. I expect that this information will allow you to provide the Board with your technical recommendation. If your review generates additional questions, please contact me so that they may be answered prior to the meeting.

Sincerely,



Richard Scott, P.E.

Encl.
cc: J. Wood





Commonwealth of Massachusetts



DEQE File No.

[Empty box for DEQE File No.]

(To be provided by DEQE)

City/Town AMHERST

Applicant JEFFREY WOOD

Date Submitted 3-26-87

Notice of Intent Under the Massachusetts Wetlands Protection Act, G.L. c. 131, §40 and Application for a Department of the Army Permit

Part I: General Information

1. Location: Street Address ROUTE 116 (SUNDERLAND HIGHWAY) AMHERST, MA.
Lot Number _____

2. Project: Type RESIDENTIAL Description CONSTRUCTION OF A SINGLE-FAMILY

RESIDENCE AT A DISTANCE OF APPROXIMATELY 300 FEET FROM THE STREET.

DRIVEWAY, ELECTRIC & TELEPHONE SERVICE, AND PIPELINE FROM SEPTIC TANK TO

LEACH FIELD CROSS AN AREA PROTECTED BY THE ACT AND AT A LOCATION WHERE
A FARM ROAD CURRENTLY EXISTS.

3. Registry: County HAMPSHIRE Current Book 1142 & Page 491

Certificate (If Registered Land) _____

4. Applicant JEFFREY WOOD Tel. 549-1764

Address 312 LEVERETT RD. AMHERST MA.

5. Property Owner WALTER JONES Tel. _____

Address MONTAGUE RD. AMHERST, MA.

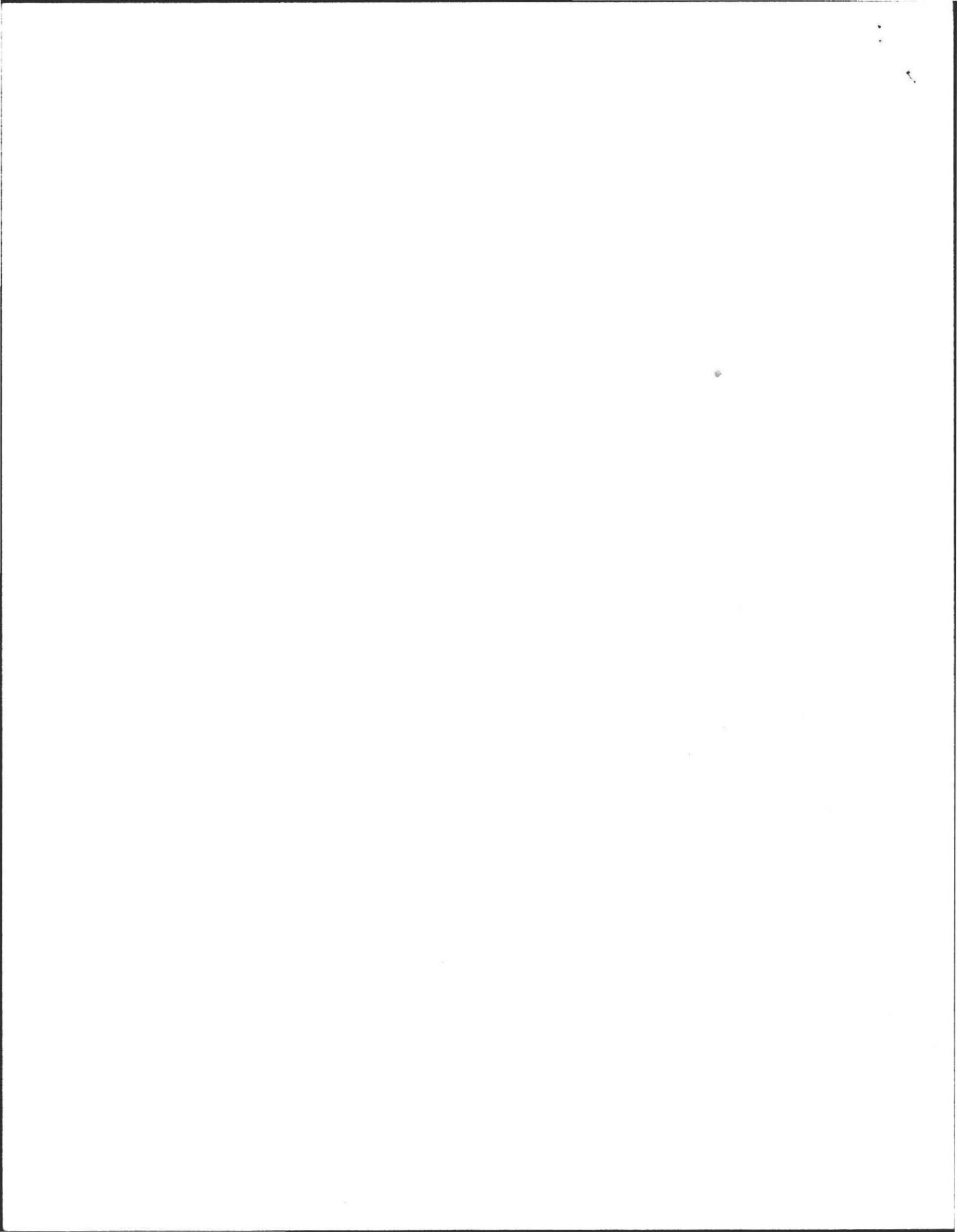
6. Representative RICHARD SCOTT, P.E. Tel. 256-0647

Address 31 SHUTESBURY RD. PELHAM, MA.

7. Have the Conservation Commission and the DEQE Regional Office each been sent, by certified mail or hand delivery, 2 copies of completed Notice of Intent, with supporting plans and documents?
Yes No

Address: 436 Dwight Street, 4th Floor 3-1
Springfield, MA 01103
Phone: 785-5327

*State Home Comm
" Lower City of
North Board
Owens 7-22
Kidd 4-13*



8. Have all obtainable permits, variances and approvals required by local by-law been obtained?
 Yes No

Obtained:

Applied For:

Not Applied For:

DISPOSAL WORKS CONST. PERMIT
 BUILDING PERMIT

9. Is any portion of the site subject to a Wetlands Restriction Order pursuant to G.L. c. 131, §40A or G.L. c. 130, §105? Yes No

10. List all plans and supporting documents submitted with this Notice of Intent.

Identifying Number/Letter	Title, Date
A	LEGAL (DEED) DESCRIPTION OF PROPERTY
B	PLAN OF EXISTING PROPERTY w/ WETLAND BOUNDARIES
C	PROPOSED PLAN w/ HOUSE & SITEWORK LOCATIONS
D	APPLICATION FOR DISPOSAL WORKS CONST. PERMIT
E	DETAIL OF IMPROVED DRIVEWAY CROSSING
F	PERCOLATION TEST RESULTS

11. Check those resource areas within which work is proposed:

(a) Buffer Zone

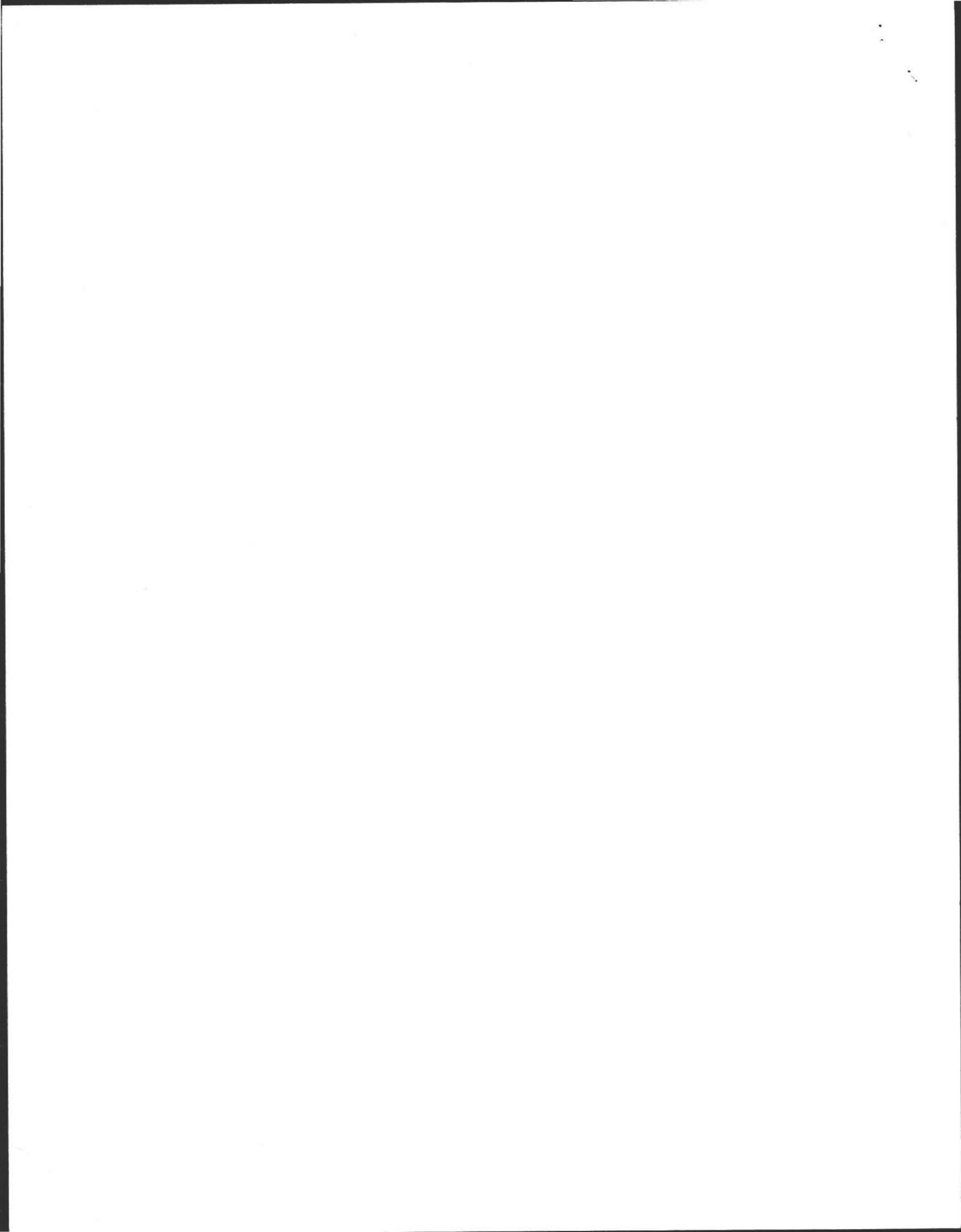
(b) Inland:

- | | |
|--|------------------------------------|
| <input type="checkbox"/> Bank* | Land Subject to Flooding, |
| <input type="checkbox"/> Bordering Vegetated Wetland* | <input type="checkbox"/> Bordering |
| <input type="checkbox"/> Land Under Water Body & Waterway* | <input type="checkbox"/> Isolated |

(c) Coastal:

- | | |
|--|---|
| <input type="checkbox"/> Land Under the Ocean* | <input type="checkbox"/> Designated Port Area* |
| <input type="checkbox"/> Coastal Beach* | <input type="checkbox"/> Coastal Dune |
| <input type="checkbox"/> Barrier Beach | <input type="checkbox"/> Coastal Bank |
| <input type="checkbox"/> Rocky Intertidal Shore* | <input type="checkbox"/> Salt Marsh* |
| <input type="checkbox"/> Land Under Salt Pond* | <input type="checkbox"/> Land Containing Shellfish* |
| <input type="checkbox"/> Fish Run* | |

*Likely to involve U.S. Army Corps of Engineers concurrent jurisdiction. See General Instructions for Completing Notice of Intent.



Part II: Site Description

Indicate which of the following information has been provided (on a plan, in narrative description or calculations) to clearly, completely and accurately describe existing site conditions.

Identifying
Number/Letter
(of plan, narrative
or calculations)

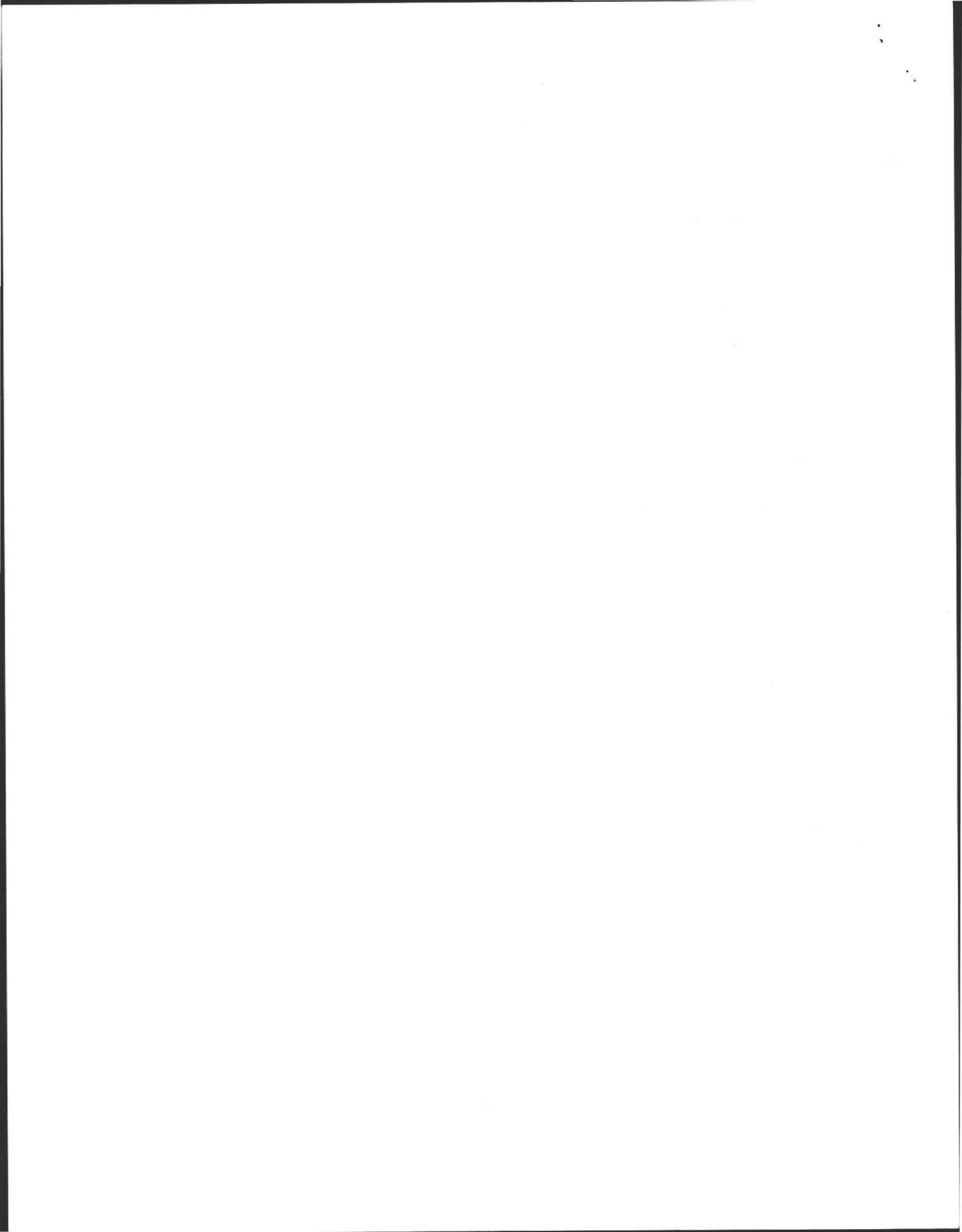
- Natural Features:
- F Soils
 - Vegetation
 - B Topography
 - Open water bodies (including ponds and lakes)
 - Flowing water bodies (including streams and rivers)
 - Public and private surface water and ground water supplies on or within 100 feet of site
 - B, F Maximum annual ground water elevations with dates and location of test
 - B Boundaries of resource areas checked under Part I, item 11 above
 - Other
- Man-made Features:
- Structures (such as buildings, piers, towers and headwalls)
 - Drainage and flood control facilities at the site and immediately off the site, including culverts and open channels (with inverts), dams and dikes
 - Subsurface sewage disposal systems
 - Underground utilities
 - C Roadways and parking areas
 - A, B Property boundaries, easements and rights-of-way
 - Other

Part III: Work Description

Indicate which of the following information has been provided (on a plan, in narrative description or calculations) to clearly, completely and accurately describe work proposed within each of the resource areas checked in Part I, item 11 above.

Identifying
Number/Letter
(of plan, narrative
or calculations)

- Planview and Cross Section of:
- Structures (such as buildings, piers, towers and headwalls)
 - Drainage and flood control facilities, including culverts and open channels (with inverts), dams and dikes
 - C, E, D Subsurface sewage disposal systems & underground utilities
 - C, E Filling, dredging and excavating, indicating volume and composition of material
 - Compensatory storage areas, where required in accordance with Part III, Section 10:57 (4) of the regulations
 - Other
- Point Source Discharge
- Description of characteristics of discharge from point source (both closed and open channel), when point of discharge falls within resource area checked under Part I, item 11 above, as supported by standard engineering calculations, data and plans, including but not limited to the following:



1. Delineation of the drainage area contributing to the point of discharge;
2. Pre- and post-development peak run-off from the drainage area, at the point of discharge, for at least the 10-year and 100-year frequency storm;
3. Pre- and post-development rate of infiltration contributing to the resource area checked under Part I, item 11 above;
4. Estimated water quality characteristics of pre- and post-development run-off at the point of discharge.

Part IV: Mitigating Measures

1. Clearly, completely and accurately describe, with reference to supporting plans and calculations where necessary:
 - (a) All measures and designs proposed to meet the performance standards set forth under each resource area specified in Part II or Part III of the regulations; or
 - (b) why the presumptions set forth under each resource area specified in Part II or Part III of the regulations do not apply.

<input type="checkbox"/> Coastal <input checked="" type="checkbox"/> Inland	Resource Area Type: BUFFER ZONE	Identifying number or letter of support documents
<p>THREE SPECIFIC AREAS OF THE SITE ARE OF CONCERN:</p> <p>1.) HOUSE SITE LOCATIONS 2.) DRIVEWAY LOCATION 3.) FARMROAD IMPROVEMENT</p> <p>ITEMS 1 & 2 REQUIRE CONSTRUCTION UP TO A BUFFER ZONE BOUNDARY WHICH IS 25' FROM THE WETLANDS AS FLAGGED BY THE CONSERVATION COMMISSION. A CONTINUOUS BARRIER OF HAY BALES STAKED TO THE GROUND WILL BE ERECTED AROUND THE FULL PERIMETER OF THE HOUSE CONSTRUCTION SITE AND ALONG ALL AREAS OF THE DRIVEWAY AND LEACHFIELD CONSTRUCTION WHERE THE BUFFER ZONE IS IN CLOSE PROXIMITY. THE HAY BALES WILL ACT AS A SILT BARRIER AND AS A PHYSICALLY-DEFINED CONSTRUCTION-ZONE LIMIT. ITEM 3, CONSTRUCTION OF THE FARM ROAD IMPROVEMENT WILL NOT BE UNDERTAKEN DURING THE MARCH 1 TO MAY 15 TIME PERIOD.</p>		<p>B, C</p>

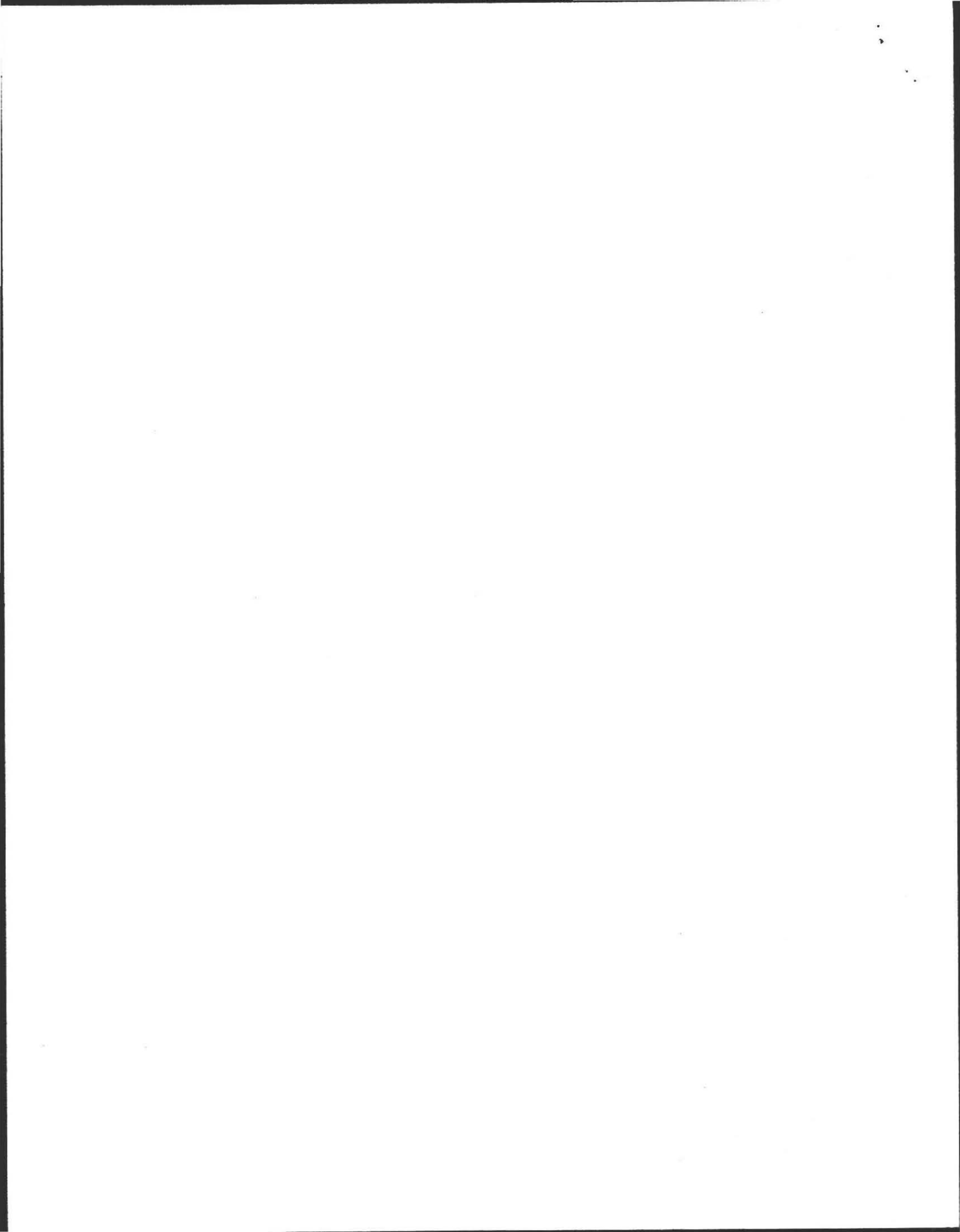
CONSTRUCTION WORK WILL BE LIMITED TO AN AREA APPROXIMATELY 65 FEET

<input type="checkbox"/> Coastal <input type="checkbox"/> Inland	Resource Area Type:	Identifying number or letter of support documents
<p>LONG WHICH IS THE LENGTH OF THE EXISTING FARMROAD CONSTRUCTION. FOR SUPPORT OF THE NEW DRIVEWAY, THE CROSSING MUST BE WIDENED. THE THE NEW SUPPORT WILL BE HELD TO THE MINIMUM NECESSARY FOR A 12' WIDE DRIVEWAY AND UNDERGROUND UTILITIES. THE EXISTING PLANKS AND "CORDUROY ROAD" WILL BE REMOVED. THE NEW DRIVEWAY BASE WILL INCORPORATE TWO 18" DIAMETER CORRUGATED METAL PIPES TO ALLOW FREE MOVEMENT OF OCCASIONAL SURFACE WATER AT MINIMAL VELOCITIES. OUTSIDE THIS 65' LENGTH, THE FINISH DRIVEWAY WILL FOLLOW EXISTING CONTOURS AND REQUIRE NO NET CUT OR FILL.</p>		<p>E</p>

<input type="checkbox"/> Coastal <input type="checkbox"/> Inland	Resource Area Type:	Identifying number or letter of support documents

2. Clearly, completely and accurately describe, with reference to supporting plans and calculations where necessary:
- (a) all measures and designs to regulate work within the Buffer Zone so as to insure that said work does not alter an area specified in Part I, Section 10.02(1) (a) of these regulations; or
 - (b) if work in the Buffer Zone will alter such an area, all measures and designs proposed to meet the performance standards established for the adjacent resource area specified in Part II or Part III of these regulations.

<input type="checkbox"/> Coastal <input type="checkbox"/> Inland	Resource Area Type Bordered By 100-Foot Discretionary Zone:	Identifying number or letter of support documents



Part V: Additional Information for a Department of the Army Permit

1. COE Application No. _____ 2. _____
(to be provided by COE) (Name of waterway)

3. Names and addresses of property owners adjoining your property:

4. Document other project alternatives (i.e., other locations and/or construction methods, particularly those that would eliminate the discharge of dredged or fill material into waters or wetlands).
5. 8½" x 11" drawings in planview and cross-section, showing the resource area and the proposed activity within the resource area. Drawings must be to scale and should be clear enough for photocopying.

Certification is required from the Division of Water Pollution Control before the Federal permit can be issued. Certification may be obtained by contacting the Division of Water Pollution Control, 1 Winter Street, Boston, Massachusetts 02108.

Where the activity will take place within the area under the Massachusetts approved Coastal Zone Management Program, the applicant certifies that his proposed activity complies with and will be conducted in a manner that is consistent with the approved program.

Information provided will be used in evaluating the application for a permit and is made a matter of public record through issuance of a public notice. Disclosure of this information is voluntary; however if necessary information is not provided, the application cannot be processed nor can a permit be issued.

I hereby certify under the pains and penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents and supporting data are true and complete, to the best of my knowledge.

Signature of Applicant

Date

Signature of Applicant's Representative

Date

RED FORM 100 (TEST)
1 MAY 82

"Exception to ENG Form 4346 approved by HQUSACE, 6 May 1982".

"This document contains a joint Department of the Army and State of Massachusetts application for a permit to obtain permission to perform activities in United States waters. The Office of Management and Budget (OMB) has approved those questions required by the US Army Corps of Engineers. OMB Number 0702-0036 and expiration date of 30 September 1983 applies". This statement will be set in 6 point type.

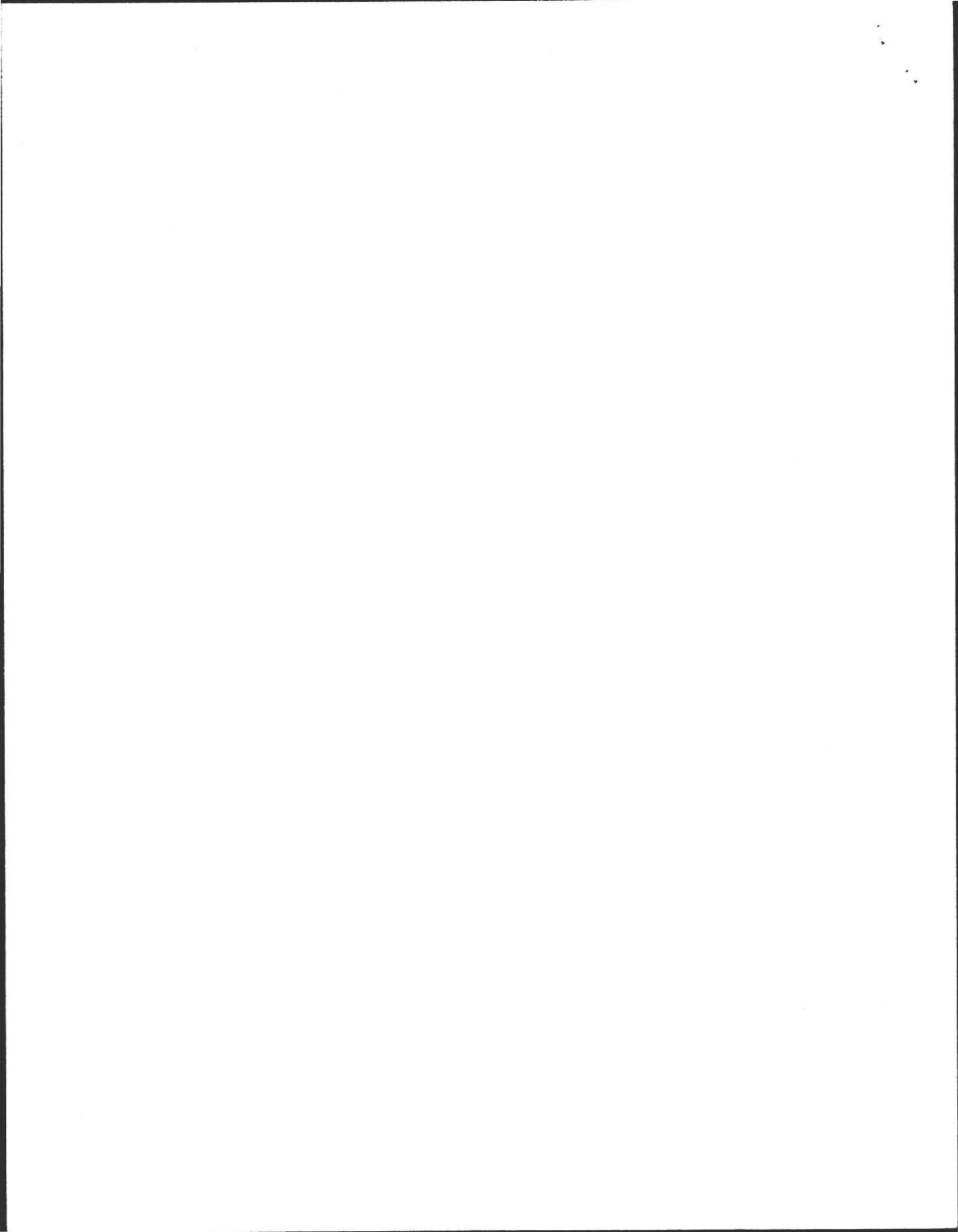
with warranty covenants

the land in said Amherst, Hampshire County, Massachusetts, bounded and
[Description and encumbrances, if any]
described as follows:-

Beginning at an iron pin on the Southeasterly corner of the tract herein conveyed; thence South 81° West One Thousand Four Hundred Nineteen (1419) feet more or less on land now or formerly of Raymond D. Dickinson to a stake on the Easterly side of the Sunderland Highway; thence North 23° West Two Hundred Sixteen and Five tenths (216.5) feet more or less on the Easterly side of said highway to a stone bound; thence continuing on said highway North 24° West Two Hundred Thirteen (213) feet more or less to a stone bound on the Southwesterly corner of land now or formerly of one Tolinko, and being the Northwesterly corner of tract herein conveyed; thence North 81° East Six Hundred Twenty-seven (627) feet more or less on land now or formerly of said Tolinko and land now or formerly of Herbert Wiley to a 30" pine tree; thence Four Hundred Thirteen (413) feet more or less on land now or formerly of Herbert Wiley and land now or formerly of Albert Parsons to an iron pin; thence North 83° East Four Hundred Thirty-two (432) feet more or less on land now or formerly of Albert Parsons to a stake at the Northeasterly corner of tract herein conveyed; thence on land now or formerly of Raymond D. Dickinson South 17° East Three Hundred Ninety (390) feet more or less to the point of beginning; containing Thirteen (13) acres more or less.

Being the same premises as described in deed of Herbert I. Wiley to these grantors dated May 22nd, 1953 and recorded in the Hampshire County Registry of Deeds in Book 1142 at Page 491 to which deed reference is made for a more particular description.

NOTICE OF INTENT
I. D. LETTER A



No. _____

Fee _____

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:

ROUTE 116 (SUNDERLAND HIGHWAY)

Location - Address

or Lot No.

WALTER JONES

Owner

MONTAGUE RD. AMHERST

Address

L & F CONSTRUCTION

Installer

LEVERETT, MA.

Address

Type of Building

Size Lot _____ Sq. feet

Dwelling ✓ No. of Bedrooms 6 Expansion Attic (No)

Garbage Grinder (No)

Other — Type of Building _____ No. of persons _____ Showers () — Cafeteria ()

Other fixtures _____

Design Flow 110 gallons per person per day. Total daily flow 660 gallons

Septic Tank ✓ Liquid capacity 1500 gallons Length 10' Width 5' Diameter _____ Depth 5'

Disposal Trench — No. _____ Width 18' Total Length 40' Total leaching area 720 sq. ft.

Seepage Pit No. _____ Diameter _____ Depth below inlet _____ Total leaching area _____ sq. ft.

Other Distribution box (Yes) _____ Dosing tank (Yes) _____

Percolation Test Results Performed by RICHARD LEWIS Date 4-24-86

Test Pit No. 1 2 minutes per inch Depth of Test Pit 6'-4" Depth to ground water 4'-2"

Test Pit No. 2 _____ minutes per inch Depth of Test Pit 6'-4" Depth to ground water 4'-2"

Description of Soil TO 8" LOAM ; TO 17" SUBSOIL ; TO 76" 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 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 _____ Date _____

Application Approved By _____ Date _____

Application Disapproved for the following reasons: _____ Date _____

Permit No. _____ Issued _____ Date _____

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

OF _____

Certificate of Compliance

NOTICE OF INTENT

I.D. LETTER D

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

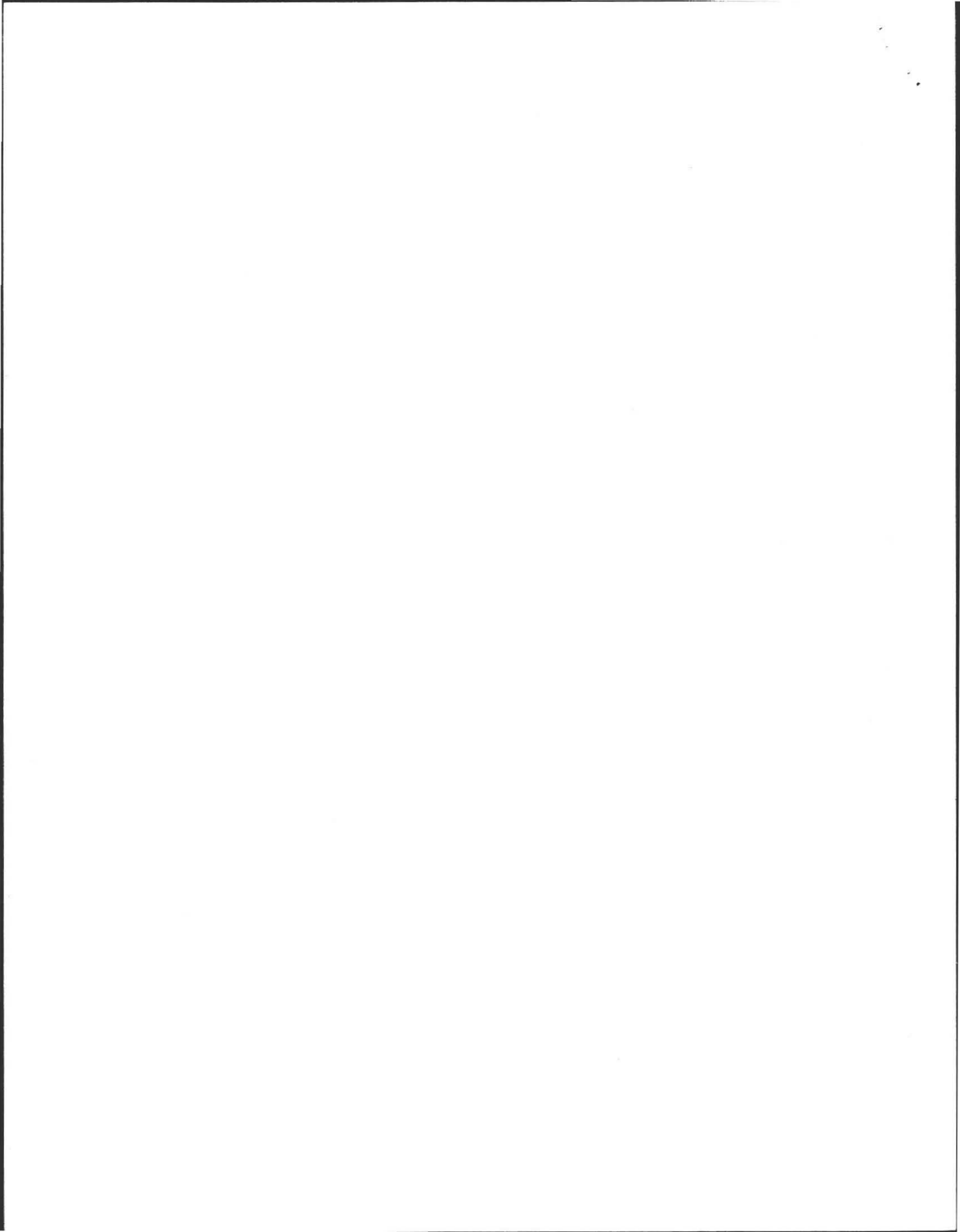
Installer

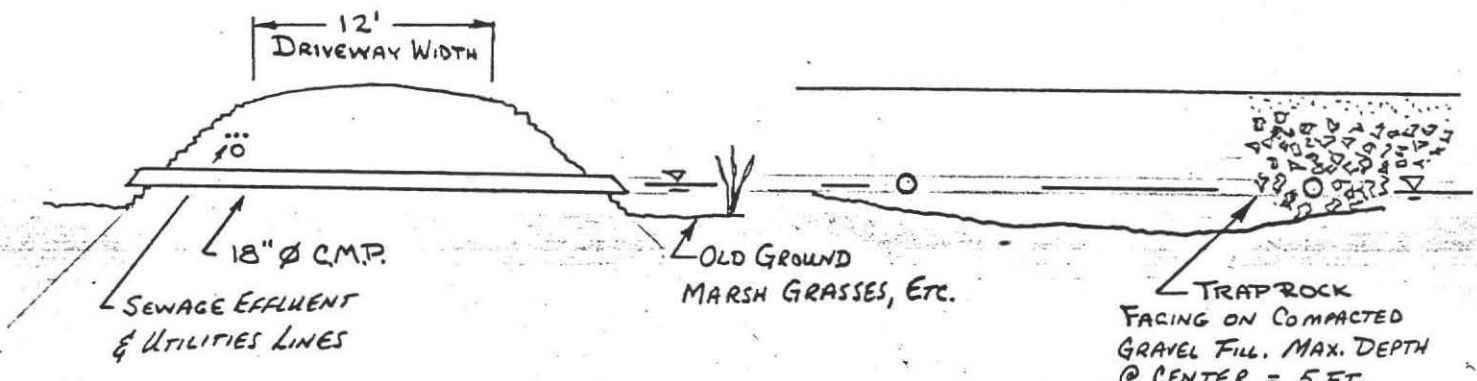
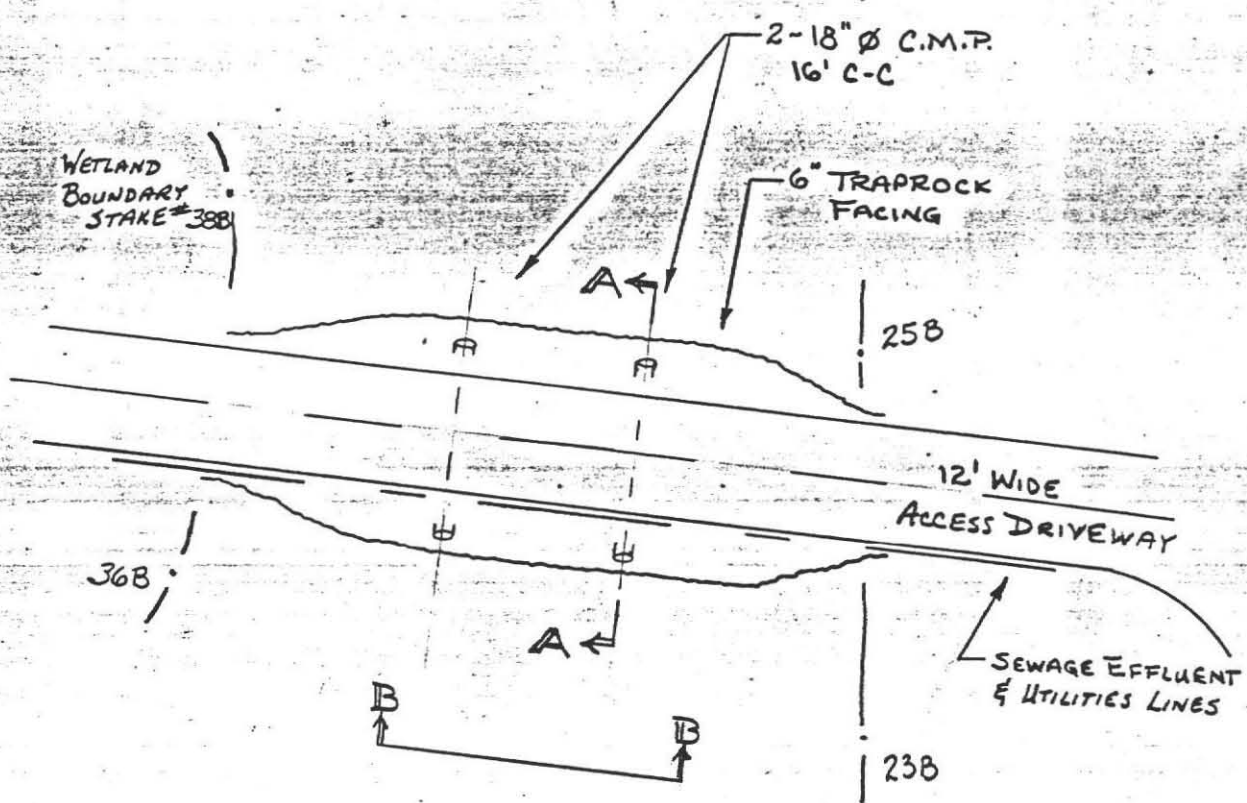
at _____ has been installed in accordance with the provisions of TITLE 5 of The State Sanitary Code as described in the application for Disposal Works Construction Permit No. _____ dated _____

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

DATE _____ Inspector _____

CHECK OR FILL IN WHERE APPLICABLE



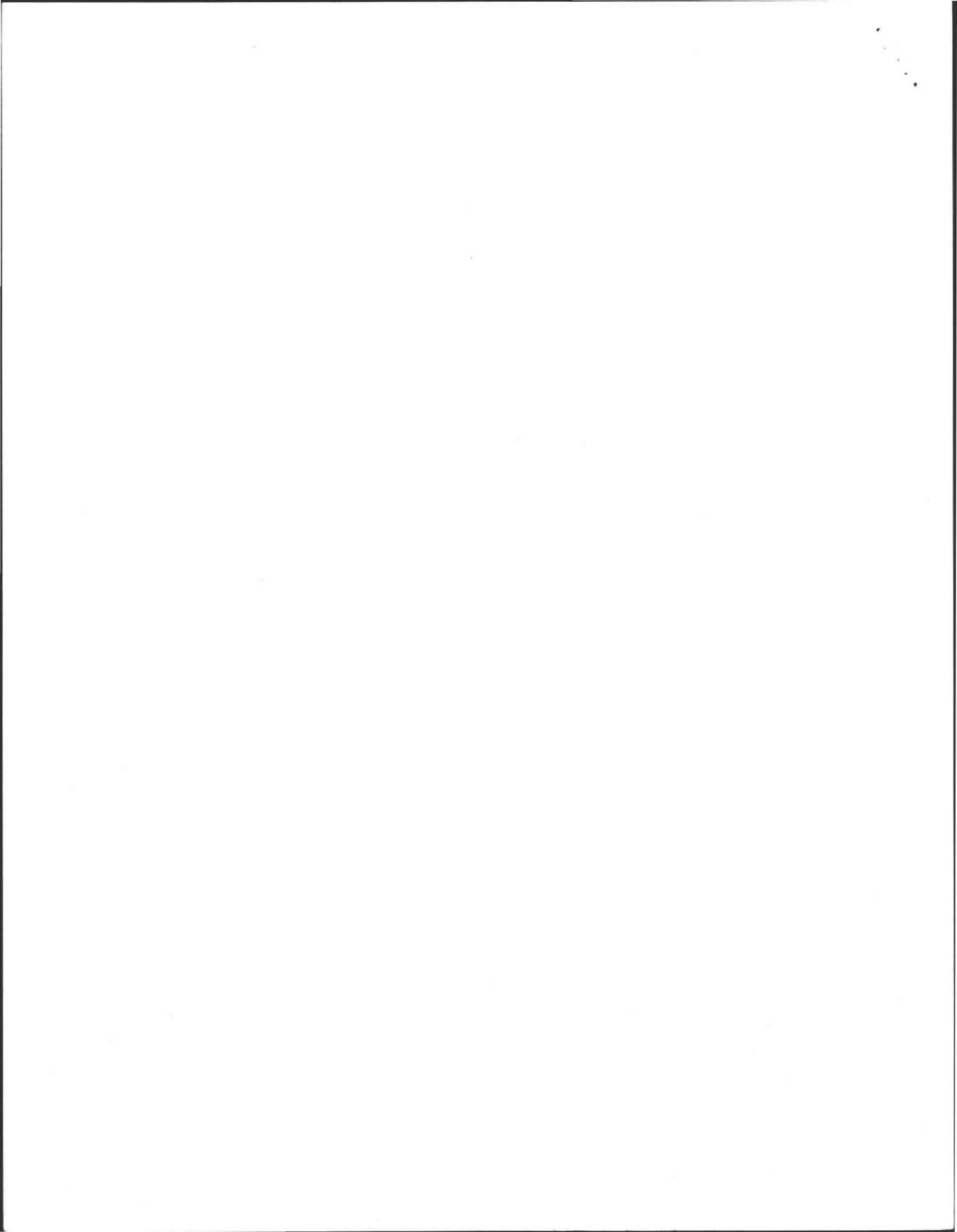


SECTION A-A
SCALE: 1" = 10'

VIEW B
SCALE: 1" = 10'

NOTICE OF INTENT
I.D. LETTER E

DETAIL: FARM ROAD
IMPROVEMENT @ RTE 116
SINGLE-FAMILY RESIDENCE
BY: RMS DATE 3-25-87
SCALE: 1" = 20'



CHECK OR FILL IN WHERE

Disposal Trench - No. _____ Width _____ Total Length _____ Total leaching area _____ sq. ft.
 Seepage Pit No. _____ Diameter _____ Depth below inlet _____ Total leaching area _____ sq. ft.
 Other Distribution Box () Dosing tank ()
 Percolation Test Results Performed by _____ Date _____
 Test Pit No. 1 210 minutes per inch Depth of Test Pit _____
 Test Pit No. 2 _____ minutes per inch Depth of Test Pit _____

Description of Soil SEE ATTACHED SHEETS

Nature of Repairs or Alterations - Answer when applicable _____

1) SET A T.B.M REFER ALL ELEVATIONS TO IT.
 Take perc test @ elevation of leach system ±
 Check for ground water (2 deep holes, 10ft., 1 @ proposed 1 @ auxiliary)
 Sketch house, well, street, proposed tank & leach area, slope of ground, brooks, rough levels
 Locate any walls within 200' of test hole
 Saturate test hole 15 minutes min. (30 min monsoon)
 Time for 10 minutes min., if over 10 min/in let set 30 min. time again
 Name of back hoe operator and/or Contractors name

ACKHOE #1 6'4" #2 6'4" PERC TEST HOLE DEPTH #1 44" #2 _____

loam	8"	8"
brown or yellowish dirt	17"	17"
other, estimate % of clay, lt. sand, etc. to bottom of back hoe hole	Sand	Sand

	TIME MEAS.	TIME MEAS.		TIME MEAS.	TIME MEAS.
TEST @	<u>9:27</u>	<u>5:27</u>			
"	<u>9:56</u>	<u>12"</u>			
"	<u>10:00</u>	<u>9"</u>			
"					

Descriptions	
boulder	12
cobble	3-1
coarse gravel	3/4-
fine gravel	1/4-
coarse sand	1/16-
medium sand	5/16
fine sand	passing

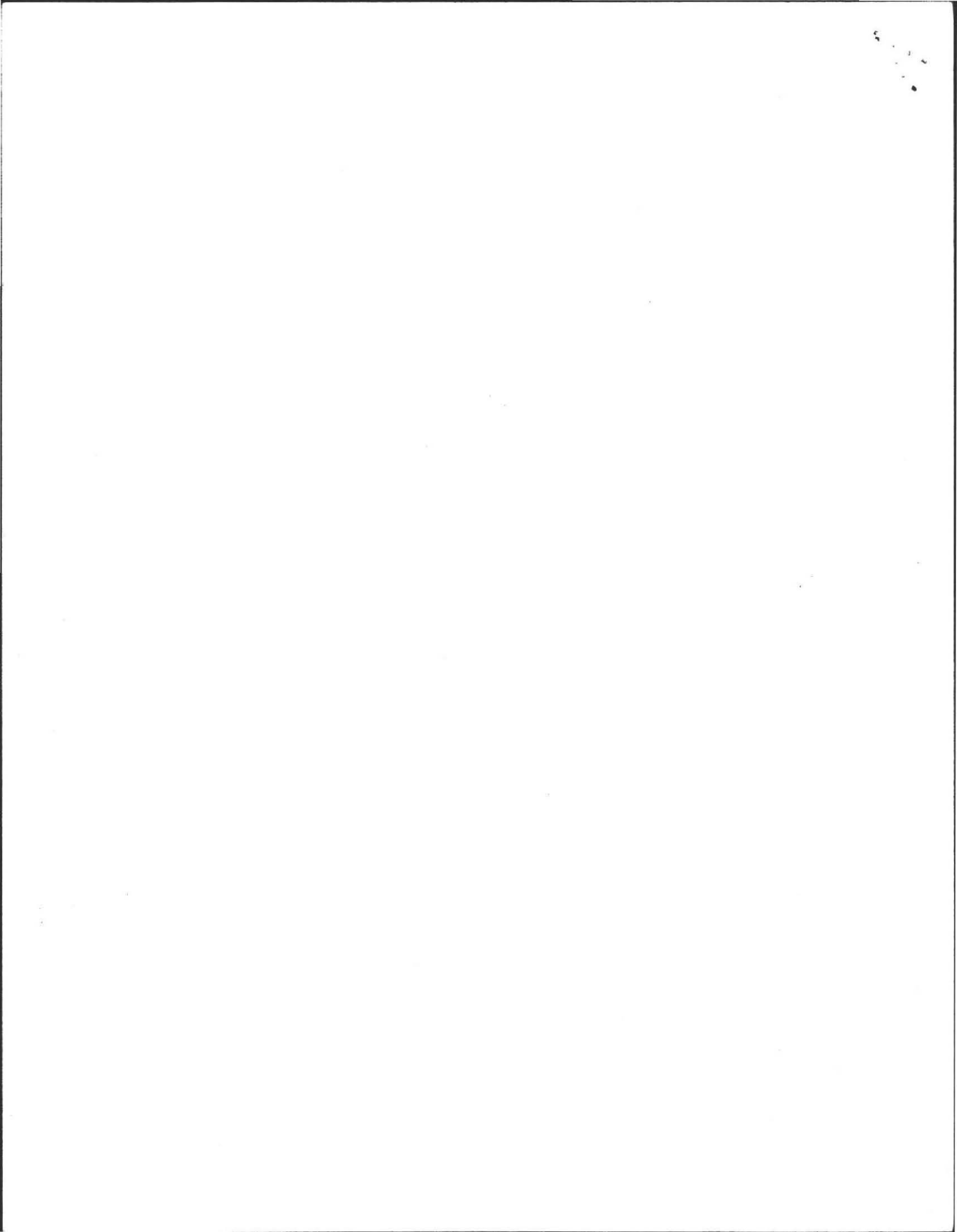
NOTES:
 DATE: 4/24/84
 BY:
 INSPECT: Charlie Bricker
 BACKHOE:

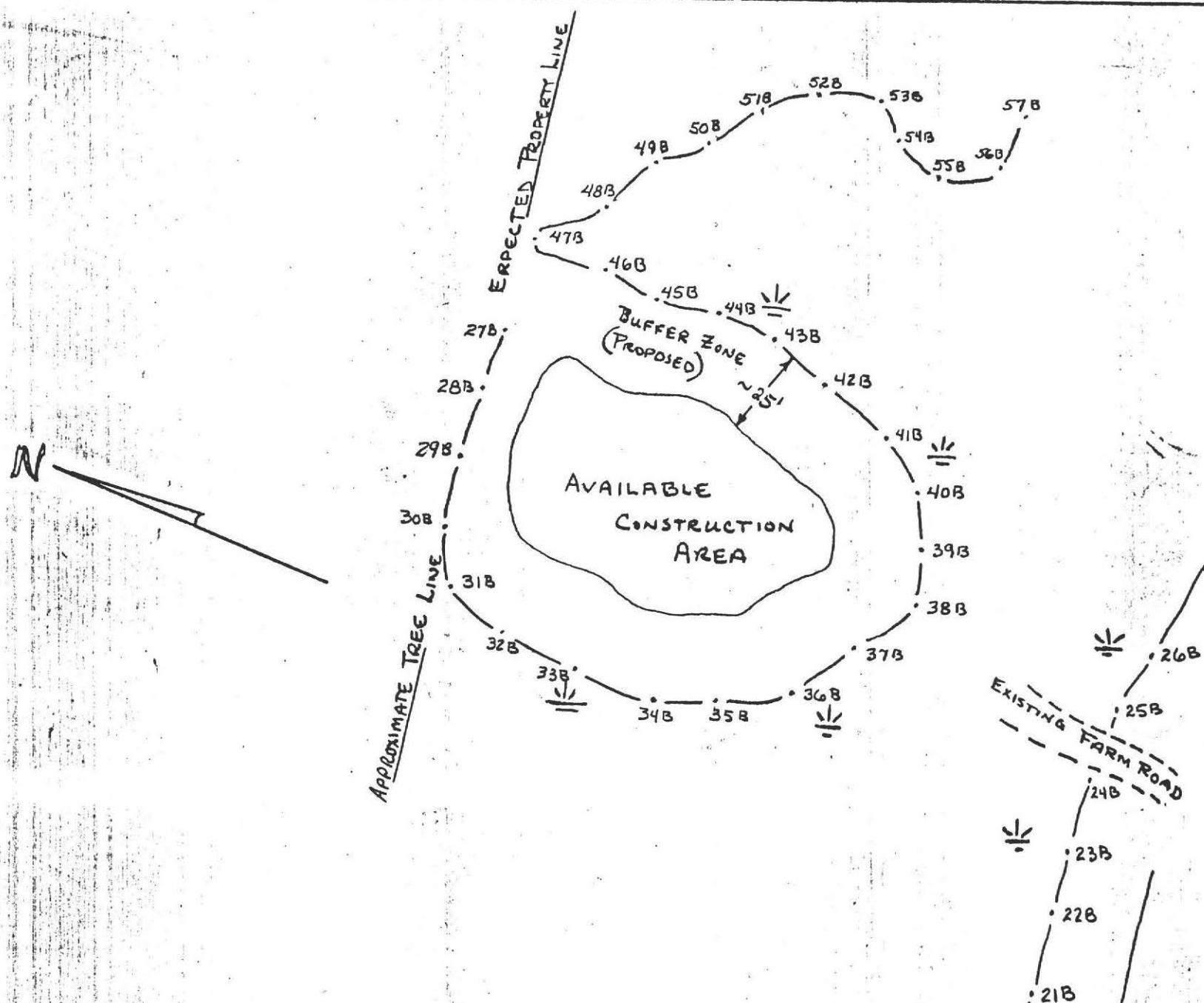
Test for clay & silt
 1. Roll a thread of soil in
 a) breaks or very weak -
 b) firm - clay

4x20
50"

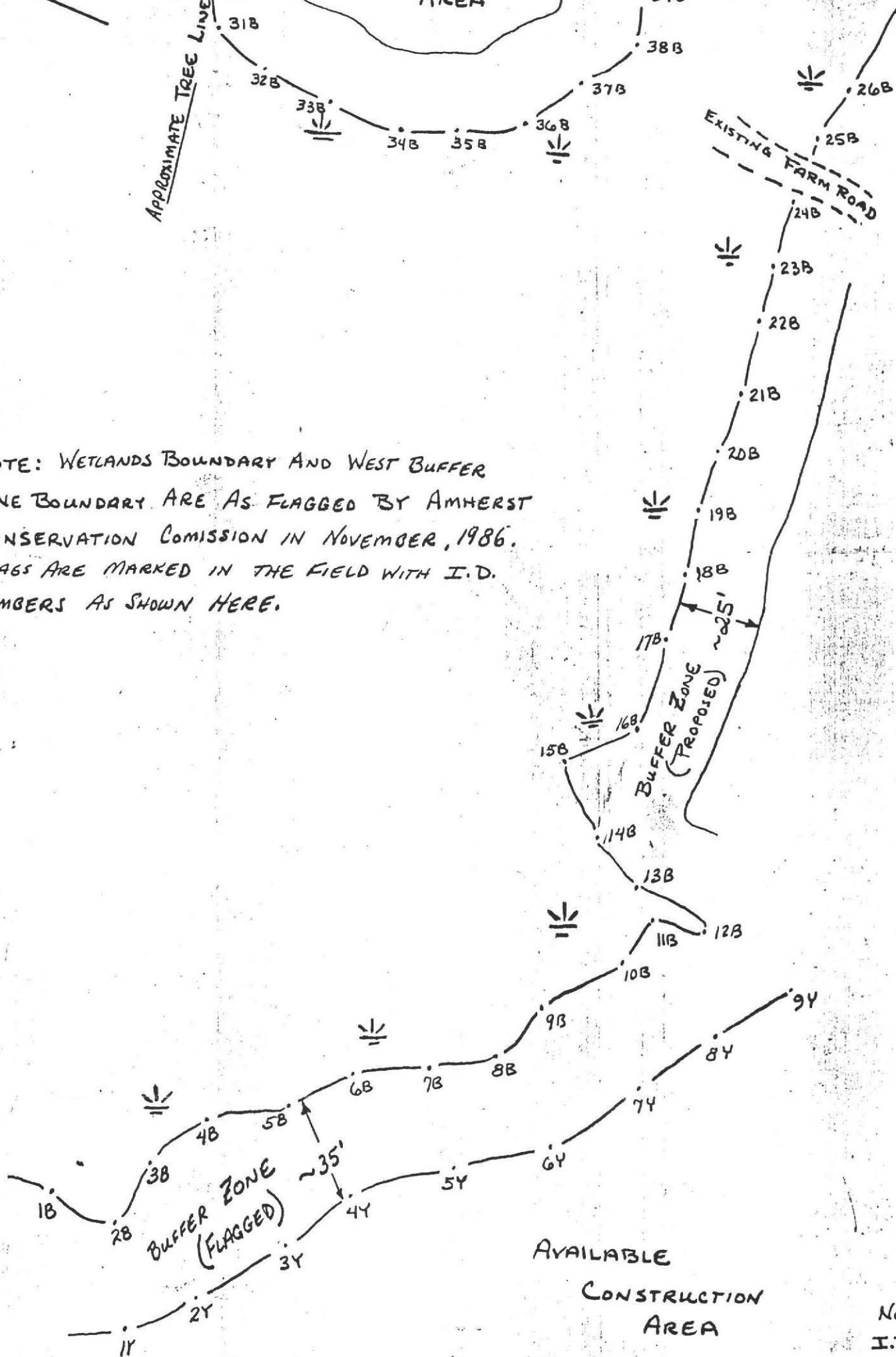
NOTICE OF INTENT
 I.D. LETTER **F**

This is 116 Rt. - Jeffrey Wood



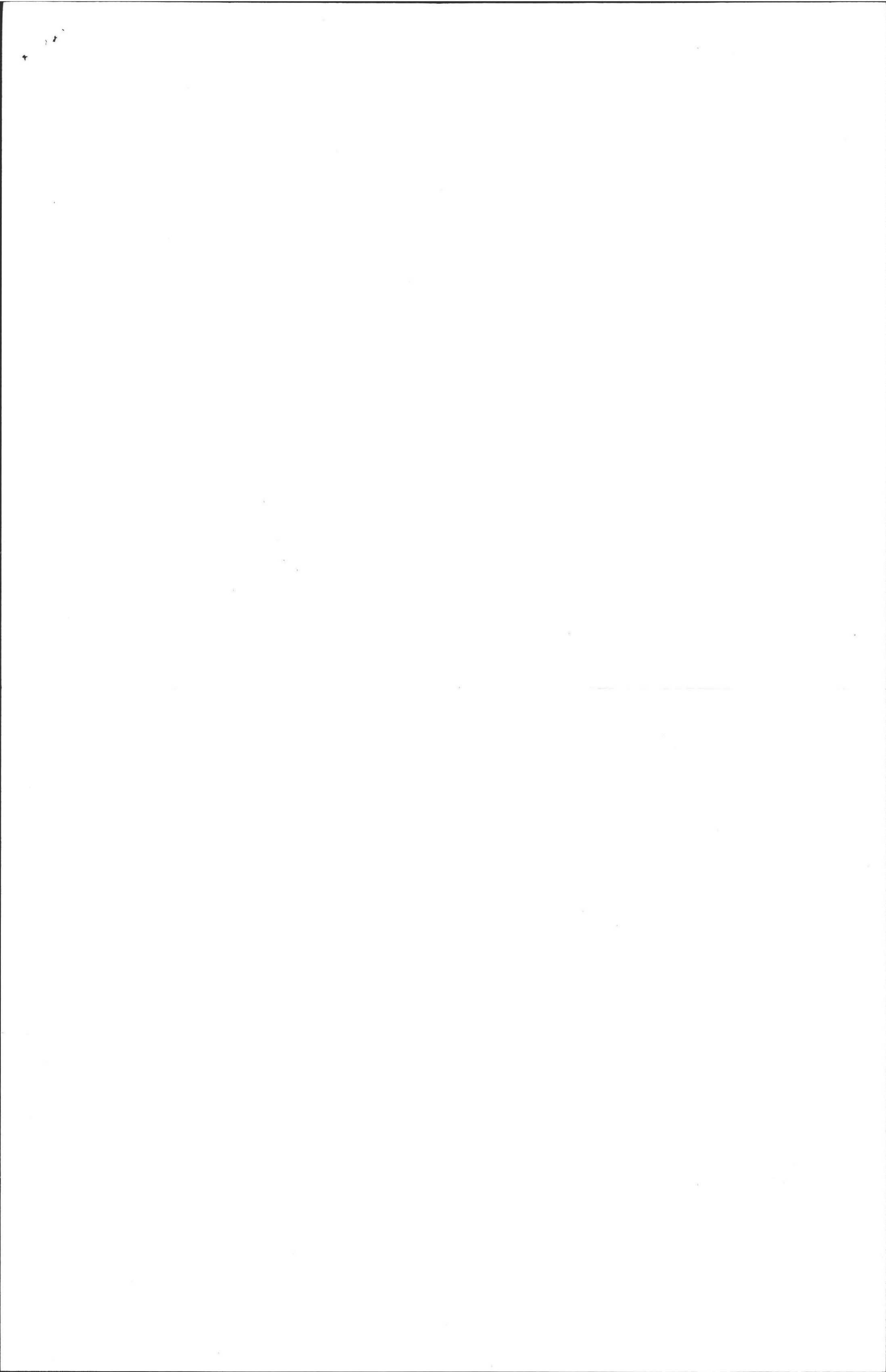


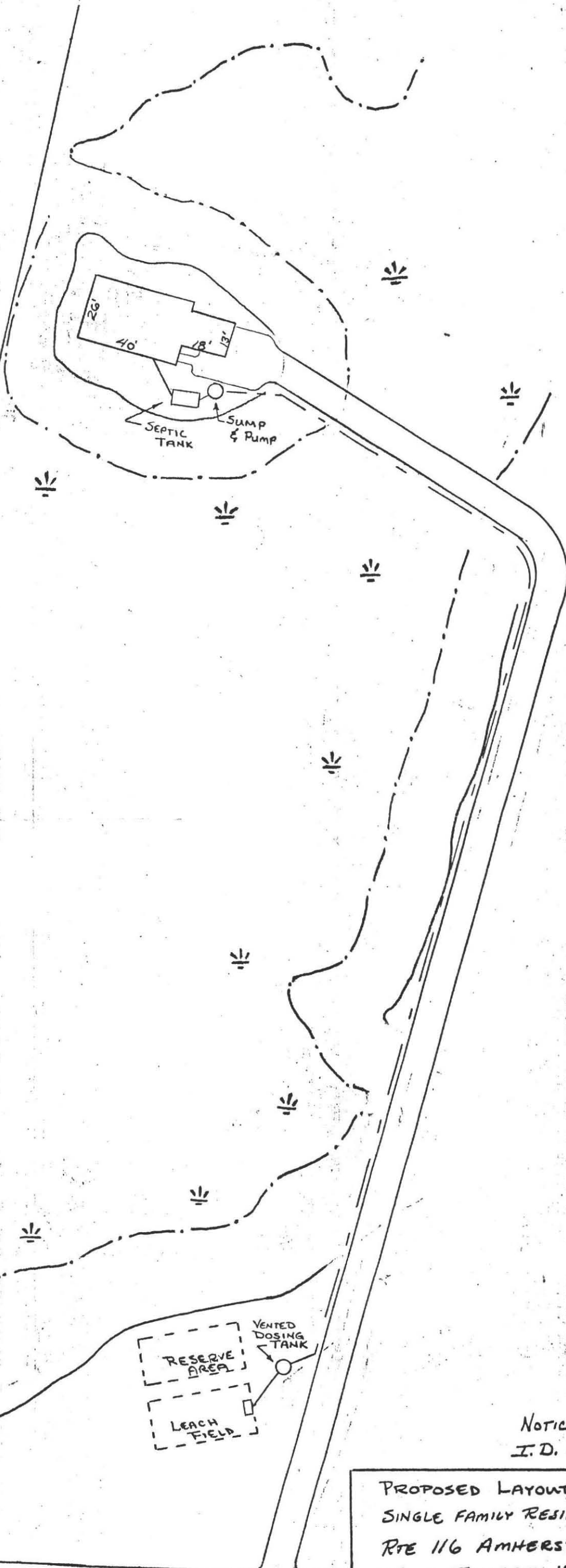
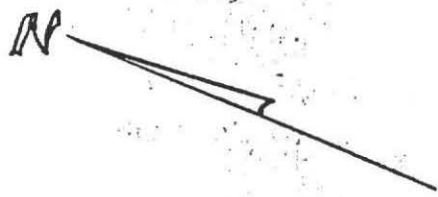
NOTE: WETLANDS BOUNDARY AND WEST BUFFER ZONE BOUNDARY ARE AS FLAGGED BY AMHERST CONSERVATION COMMISSION IN NOVEMBER, 1986. FLAGS ARE MARKED IN THE FIELD WITH I.D. NUMBERS AS SHOWN HERE.



229.6'
N 23° 07' 45" W
RTE 116 (SUNDERLAND HIGHWAY)

LAYOUT OF EXISTING FEATURES
AT RTE 116, AMHERST
FOR: JEFFREY WOOD
BY: RICHARD SCOTT, P.E.
SCALE: 1" = 40' DATE: 12-7-86

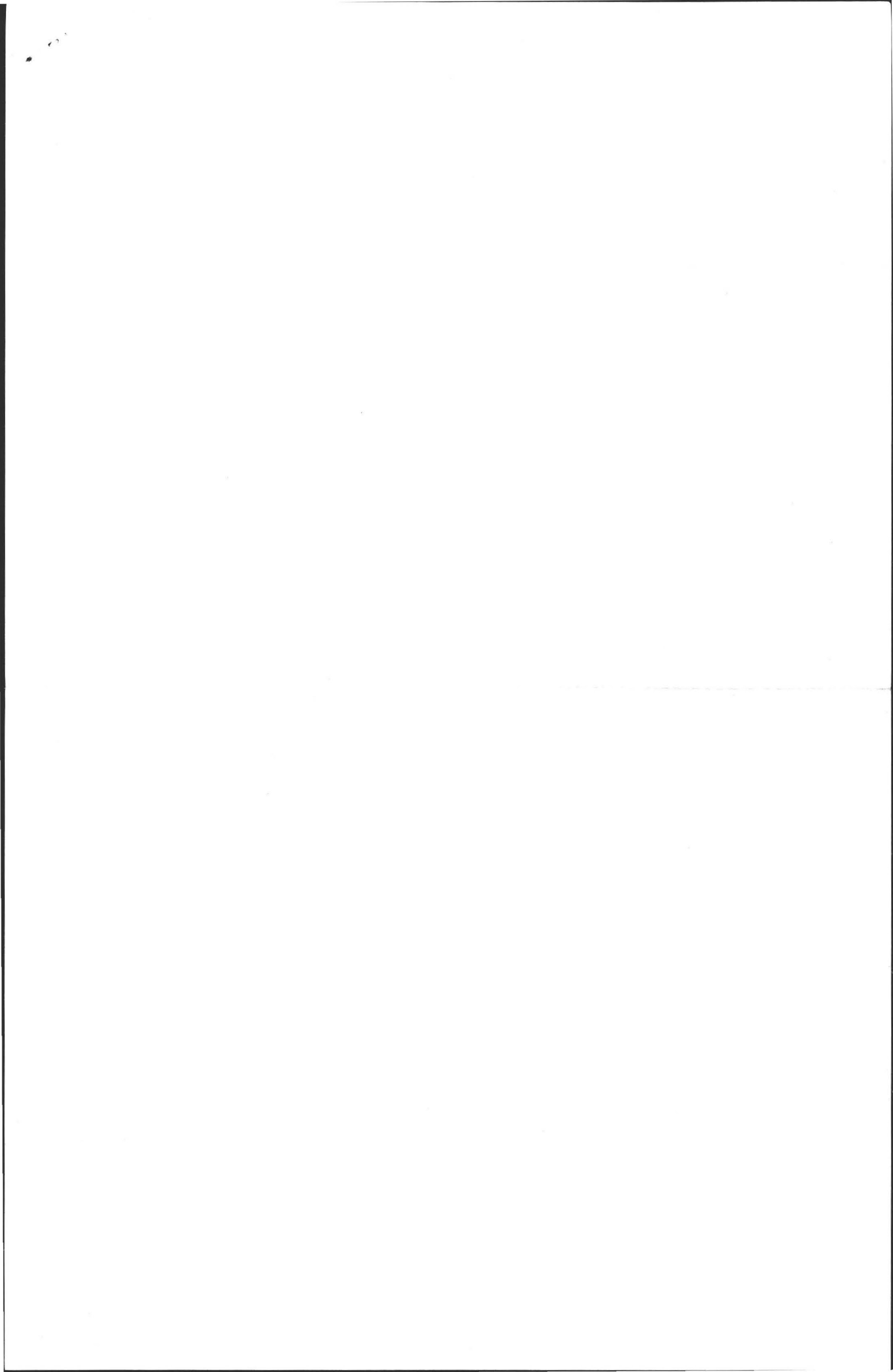




RTE 116 (SUNDERLAND ROAD)

NOTICE OF INTENT
I.D. LETTER C

PROPOSED LAYOUT FOR
SINGLE FAMILY RESIDENCE AT
RTE 116 AMHERST
FOR: JEFFREY WOOD
BY: RICHARD SCOTT, P.E.
SCALE: 1" = 40' DATE 3-21-87



NOV 10 1988
COPY

November 8, 1988

312 Leverett Road
Amherst, MA 01002

Mr. Fredericks
Amherst Board of Health
Amherst, MA 01002

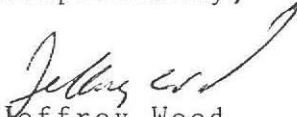
Dear Mr. Fredericks:

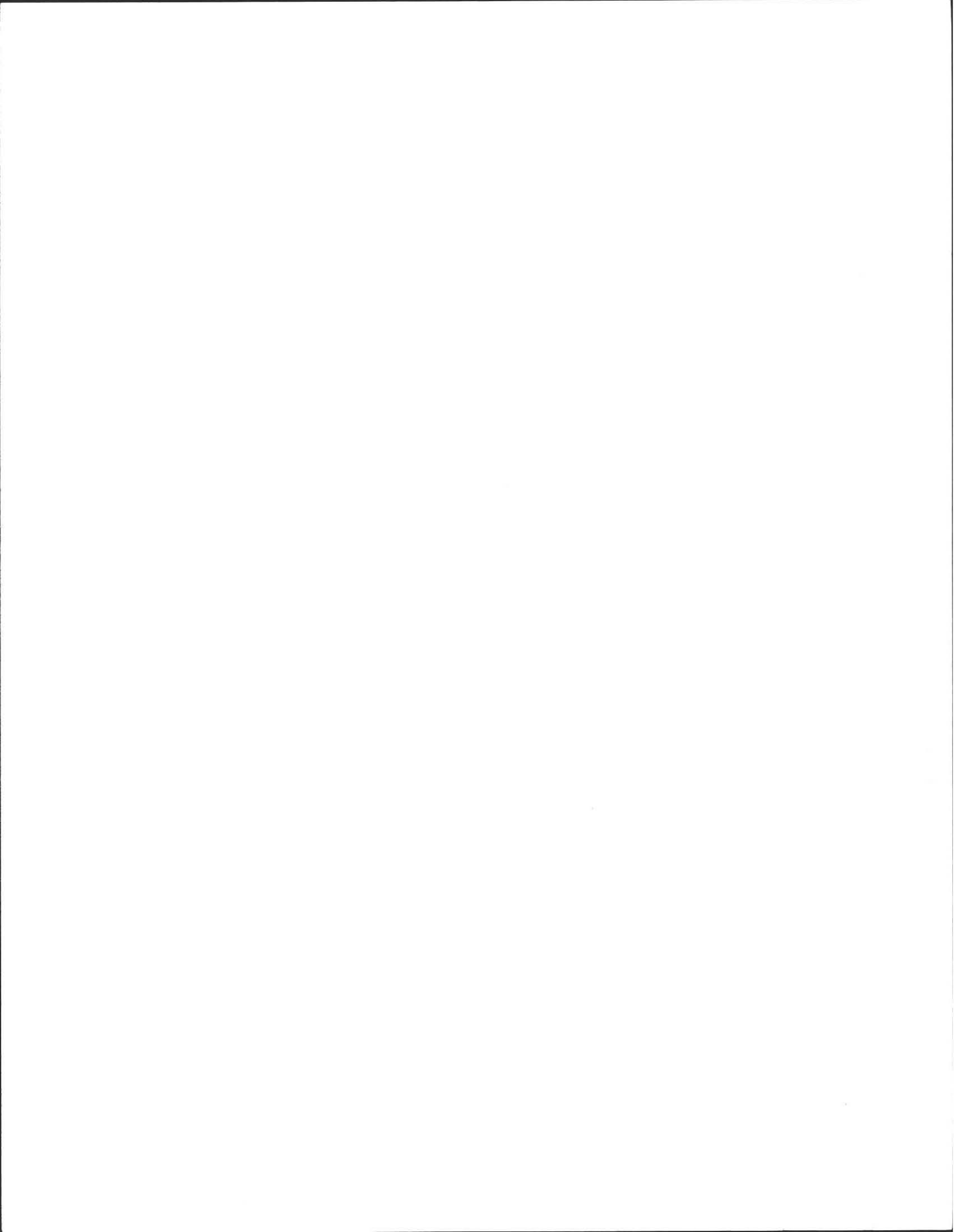
I am writing to confirm the variance hearing that you set for November 22nd at 7:00 p.m. The variance request is for the 100 foot septic field set back requirement established by the Board.

Due to oncoming inclement weather, I would also like to ask the Board for an extension of the permit, to allow me the possibility to construct the system next summer.

Thank you for your assistance in this matter.

Respectfully,


Jeffrey Wood



OCT 18 1988

WILHELM, HAMILTON & KING
ATTORNEYS AT LAW
74 KING STREET
NORTHAMPTON, MASSACHUSETTS 01060

ARTHUR J. KING (1944-1983)
JOSEPH A. WILHELM III
SCOTT J. HAMILTON

TELEPHONE
(413) 586-3480

CHRISTOPHER C. JOHNSON

October 14, 1988

Board of Health
Town Hall
4 Boltwood Avenue
Amherst, MA. 01002
Attn: Dennis Pinsky

RE: Jeffrey Wood
Lot, Rt 116

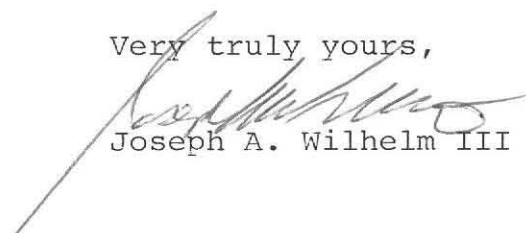
Dear Sir,

I represent Jeffrey Wood who holds a septic permit on a 10 acre lot on Route 116. Upon reviewing the permit prior to construction we noted that this permit, like the permit over on Leverett Road, on which we recently obtained a variance, is a situation in which the septic is sited more than 50 but less than 100 feet from a wetland. As before we disagree with the need for a new permit, but, as before, we none the less hereby apply for a variance from the Amherst local rule requiring a distance of more than 100 feet from a wetland area for a septic system.

Please place this matter on the next available Board of Health agenda.

Finally, we are making this application without prior discussion with you as we see no need to retrace old arguments; but that means that we may not have provided some information that you need. We want to provide all of the data you need to advise the Board of Health regarding this matter. Please let me or Jeff Wood know your requirements as soon as you can.

Very truly yours,

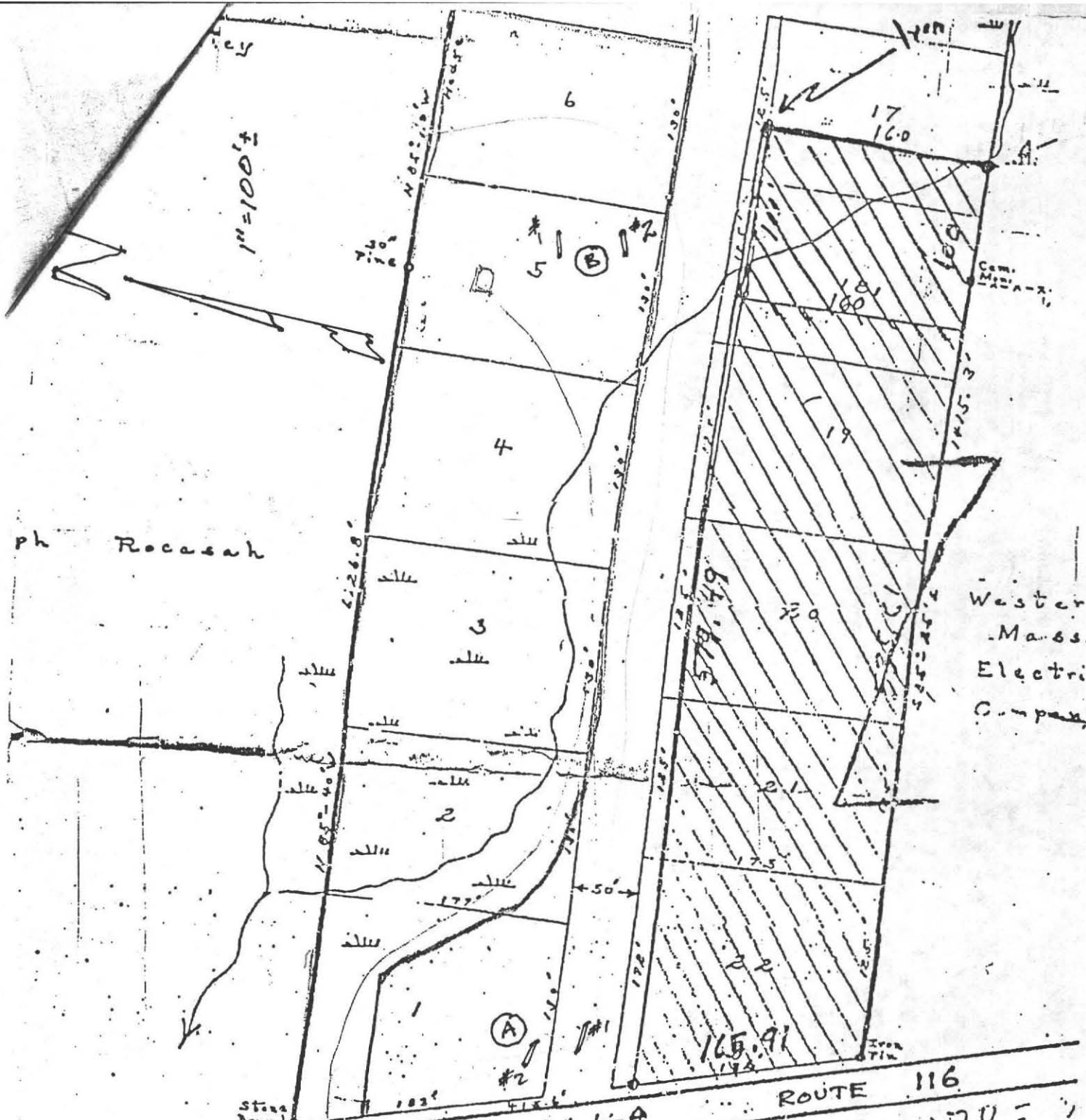

Joseph A. Wilhelm III

JAW/bh

cc: Jeffrey Wood
312 Leverett Road
Amherst, MA. 01002

11/2

Copy sent to Conservation



ph Rocasah

Wester
Mass.
Electri
Company

ROUTE 116

Route 233 No. 2296

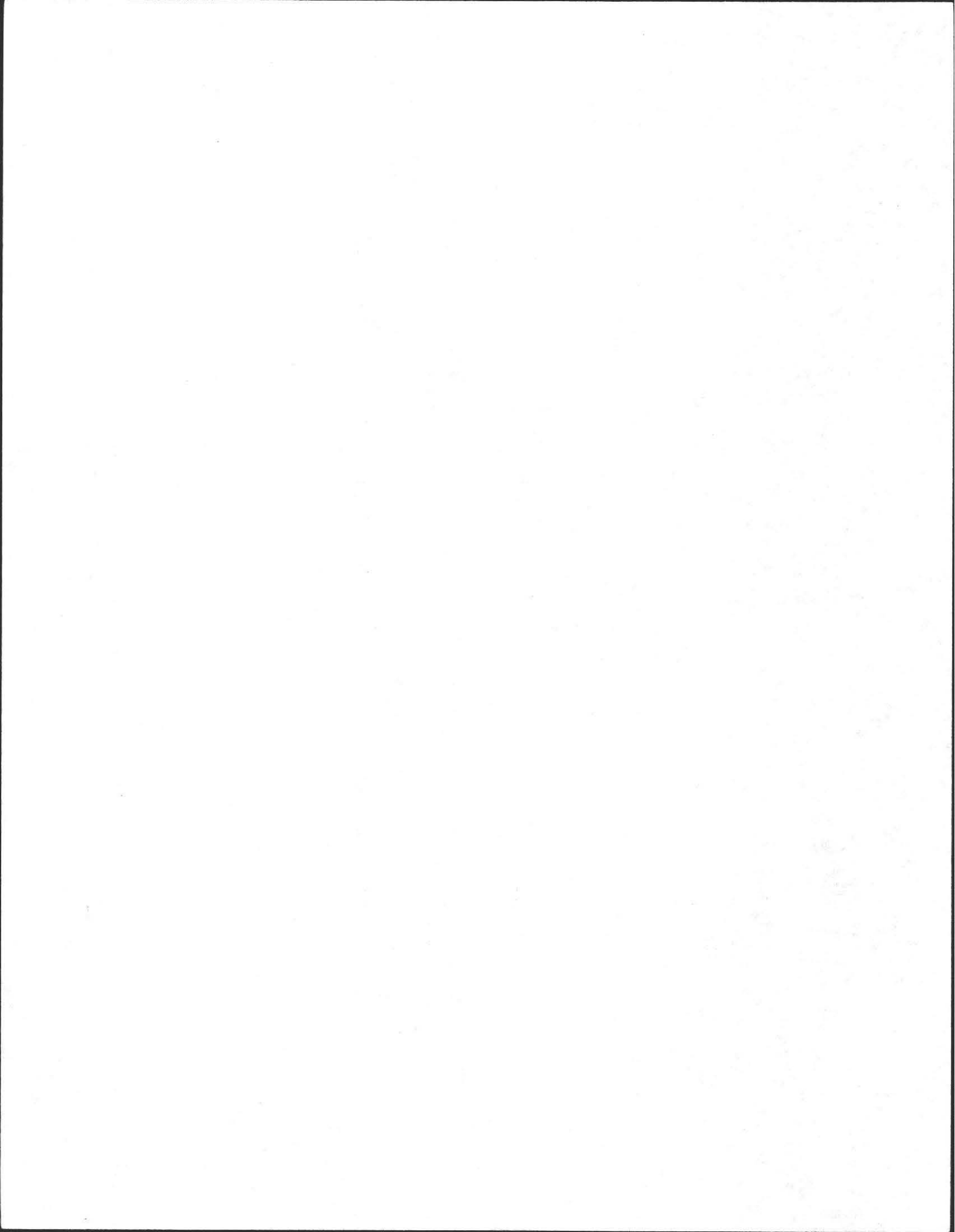
1115.6
196
2296

Iron Pin 7247 170 = "

401 x 1115 = 44713 =

Bal =

Perac -
Dick Lewis



SEP 30 1988

AquaFuture, Inc. *INLAND FISHERIES SYSTEMS*

P.O. BOX 325, MONTAGUE, MA. 01351 (413) 367-9543


Sept. 30, 1988

Betty Anderson Fredrick
Amherst Health Dept.
Boltwood Walk
Amherst, MA 01002

Dear Ms. Anderson Fredrick,

Enclosed is a summary of our proposed greenhouses and farm operations for your consideration.

Sincerely,



Scott Lindell

SL:mc



Dennis: Is there a Regulatory
role for us. SEP 9 0 1988

Summary of AquaFuture, Inc. Business Plans for the Amherst Town Boards

AquaFuture is proposing to build a 4200 sq. foot greenhouse plus an approximately 1000 sq. foot auxiliary building on a 10 acre lot on Rte. 116 in North Amherst (Assessor's Map 2A, parcel 5). AquaFuture will produce fish and hydroponic vegetables for wholesale markets. Future plans may include the construction of fish ponds, additional greenhouses and a farmstand. The following summary presents the benefits and impacts on the town.

Benefits to the Town

Full time jobs;

The first greenhouse would employ three people. Each additional greenhouse creates one and a half new jobs.

Responsible and conservative use of water resources;

AquaFuture employs a unique technology for water re-use in its greenhouse growing system.

Fish Farm is in character with the town;

The addition of another fish farming business is in harmony with the two existing aquaculture operations located across the road (with whom we will market our products). This innovative type of agriculture has already attracted a great deal of interest and support from area residents and 5 College students and faculty.

Preservation of Agriculture and Open Space

We are proposing to preserve land that has historically been used for agriculture by placing it in Chapter 61A. The Town is actively involved in preserving agricultural land along this strip of Rte. 116.

Impacts on the Town

Water Usage;

We anticipate using up to 700 gallons per day per greenhouse from wells we propose to dig on the property.

Effluent;

Minimal quantities of effluent will be discharged on site. See the enclosed fact sheet for more information.

Solid Waste;

Our solid waste production will be minimal. All fish will be processed remote from this site.

Drainage;

Existing ditches drain the property. We will work with the Conservation Commission to assure that any additional runoff from our limited project does not adversely impact wetlands or drainage off the property.



AquaFuture Fish Production Effluent Fact Sheet

- Each Greenhouse discharges 1% of its water per day. This is equivalent to 480 gallons per day.
- Based on standard calculations of hatchery effluent, each pound of feed produces 0.30 pounds of settleable solids. (*Fish Hatchery Management*. U.S. Fish and wildlife Service).
- Given 80% removal of these solids we will be producing 85 lbs of settled solids per day per greenhouse (equivalent to 15.5 tons/yr, or one dairy cow).
- The characteristics of the greenhouse effluent are as follows:

	<u>Culture Water*</u>	<u>Settled Solids*</u>
Total N	33.2 ppm	3.42%
P	11.3 ppm	4.42%
K	22.4 ppm	0.11%
Ca	48.1 ppm	12.2%
Mg	18.4 ppm	0.74%
BOD (5 day)	3.5 ppm	263 ppm
Suspended Solids	27.5 ppm	2 % solids
Alkalinity	40.0 ppm	-
pH (maintained at)	7.5	-

NOTE: This effluent meets DEQE requirements for Type I sludge, and as such is suitable for agricultural land application.

There are three alternate methods of disposing of this waste which may be used in concert depending on the season:

1. *Natural Pond treatment* -

Greenhouse fish pond effluent is added to outdoor ponds providing fertilization and replacing evaporative losses. Wastes are naturally oxidized in the ponds and nutrients are incorporated into the food chain.

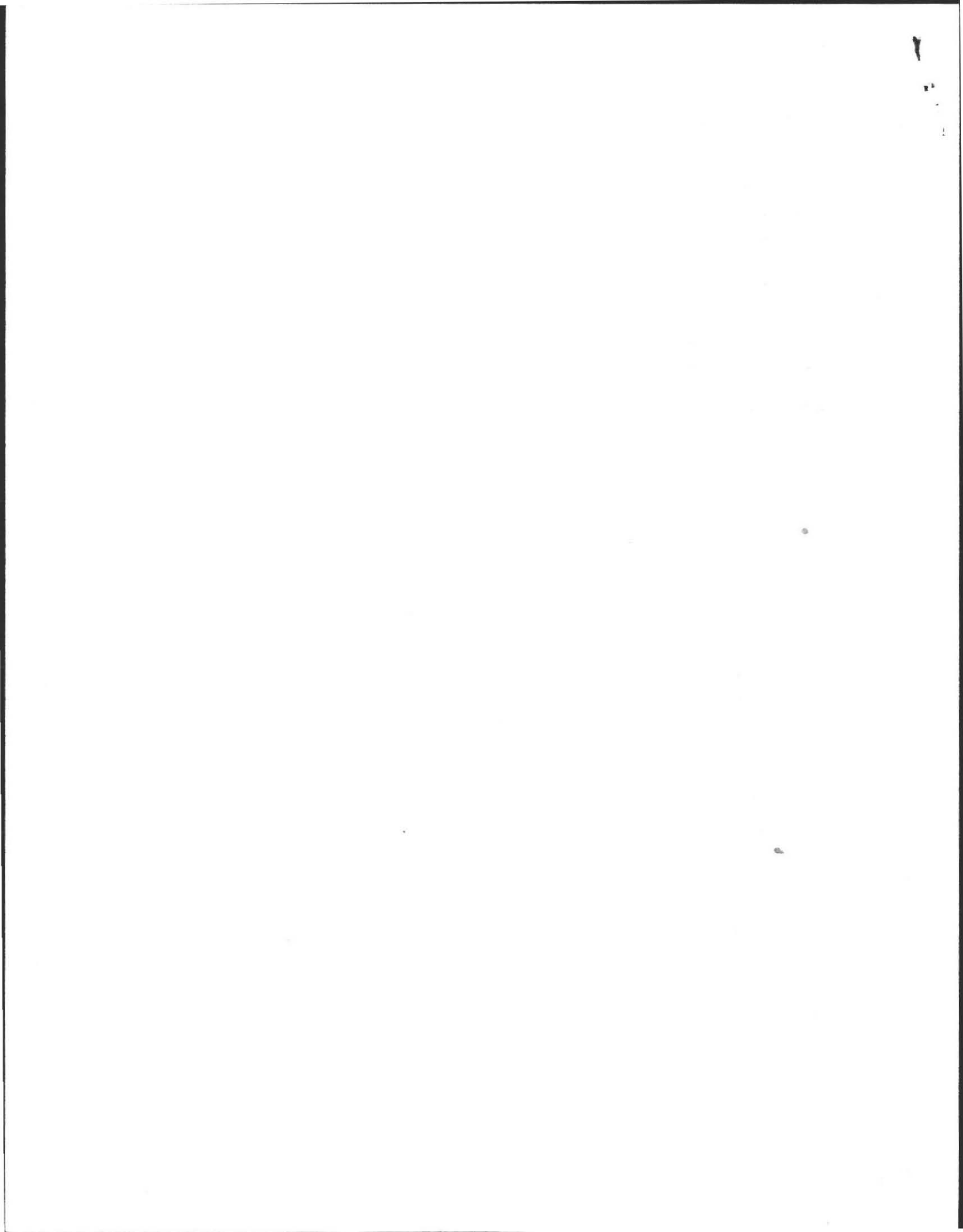
2. *Land Application* -

Water may be distributed through a subterranean irrigation system to fertilize a nursery. Warm, nutrient rich water is an ideal fertilizer for tree crops.

3. *Composting* -

Settled solids can be composted on-site by conventional means.

* Based on averages over two 16 week production trials at Hampshire College Amherst, Ma. Analysis conducted by the *Suburban Experiment Station Soil and Plant Testing Lab*, Waltham, Ma. Sept - Dec 1984; Jan - Apr 1985



AUG 25 1988.

Dennis Pinski
Amherst Board of Health
Bangs Center
Amherst, Ma. 01002

August 24, 1988

Subject: Revised Septic System Design for Jeff Wood at
Seventh Road.

Enclosed for your review are three sets of the revised system plans. The original application was approved by Charlie Drake in December 1986 or January 1987. During the Notice of Intent process in July 1987 the plan was revised to reorient the leach field but no substantive change was made to the design.

The current revision adds the 10' minimum distance to side lot line, provides a breakout calculation and adds existing and proposed elevation contours. These changes are made as a result of our telephone conversation on August 18, 1988. The changes provide additional information but do not affect the content of the original design.

Jeff is very anxious to continue construction (witness this handwritten correspondence). By copy of this letter, he will be informed that you have received my response to your request. He will contact you soon on issuance of the permit. As always, if you have questions, please call me.

Sincerely
Rick Scott

ENCL
JEFF WOOD

Dear Mother
I received your letter
of the 15th and was
glad to hear from
you. I am well and
hope these few lines
will find you the same.

I have not much news
to write at present.
Everything is quiet
here. I am still
working on my
studies and hope to
finish them soon.

I have not heard
from you for some
time. I hope you
are all well. I
would like to see
you very much.

I am sure you
will be glad to
hear from me.
I will write again
soon. Love,
John

No. 86-76

CR 372 FEE \$90

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:

Rte 116
Location - Address: JEFFREY WOOD or Lot No. 319 LEVERETT RD AMHERST
Owner: LTF CONST Address: LEVERETT
Installer: _____ Address: _____

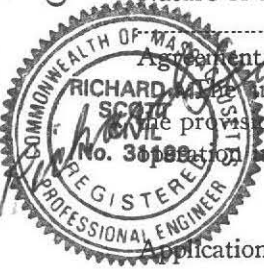
Type of Building: _____ Sq. feet _____
Dwelling (✓) No. of Bedrooms: 6 Expansion Attic () Garbage Grinder ()
Other — Type of Building: _____ No. of persons: _____ Showers () — Cafeteria ()
Other fixtures: _____

Design Flow: 110 gallons per person per day. Total daily flow: 660 gallons.
Septic Tank — Liquid capacity: 1500 gallons Length: _____ Width: _____ Diameter: _____ Depth: _____
Disposal Trench — No. 1 Width: 18" Total Length: 40' Total leaching area: 720 sq. ft.
Seepage Pit No. _____ Diameter: 20" Depth below inlet: _____ Total leaching area: 800 sq. ft.

Other Distribution box (✓) Dosing tank ()
Percolation Test Results Performed by: RICHARD LEWIS Date: 4-24-86
Test Pit No. 1: 2 minutes per inch Depth of Test Pit: 6'-4" Depth to ground water: 4'-2"
Test Pit No. 2: _____ minutes per inch Depth of Test Pit: 6'-4" Depth to ground water: 4'-2"

Description of Soil: 8" LOAM ; 8"-17" SUBSOIL ; 17"-76" SAND

Nature of Repairs or Alterations — Answer when applicable: N/A



I, Richard Lewis, 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: Jeffrey Wood Date: 12/31/86
Application Approved By: [Signature] Date: 8/12/86

Application Disapproved for the following reasons: _____

Permit No. 86-76 Issued 12-31-86 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 _____ Installer

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. 86-76

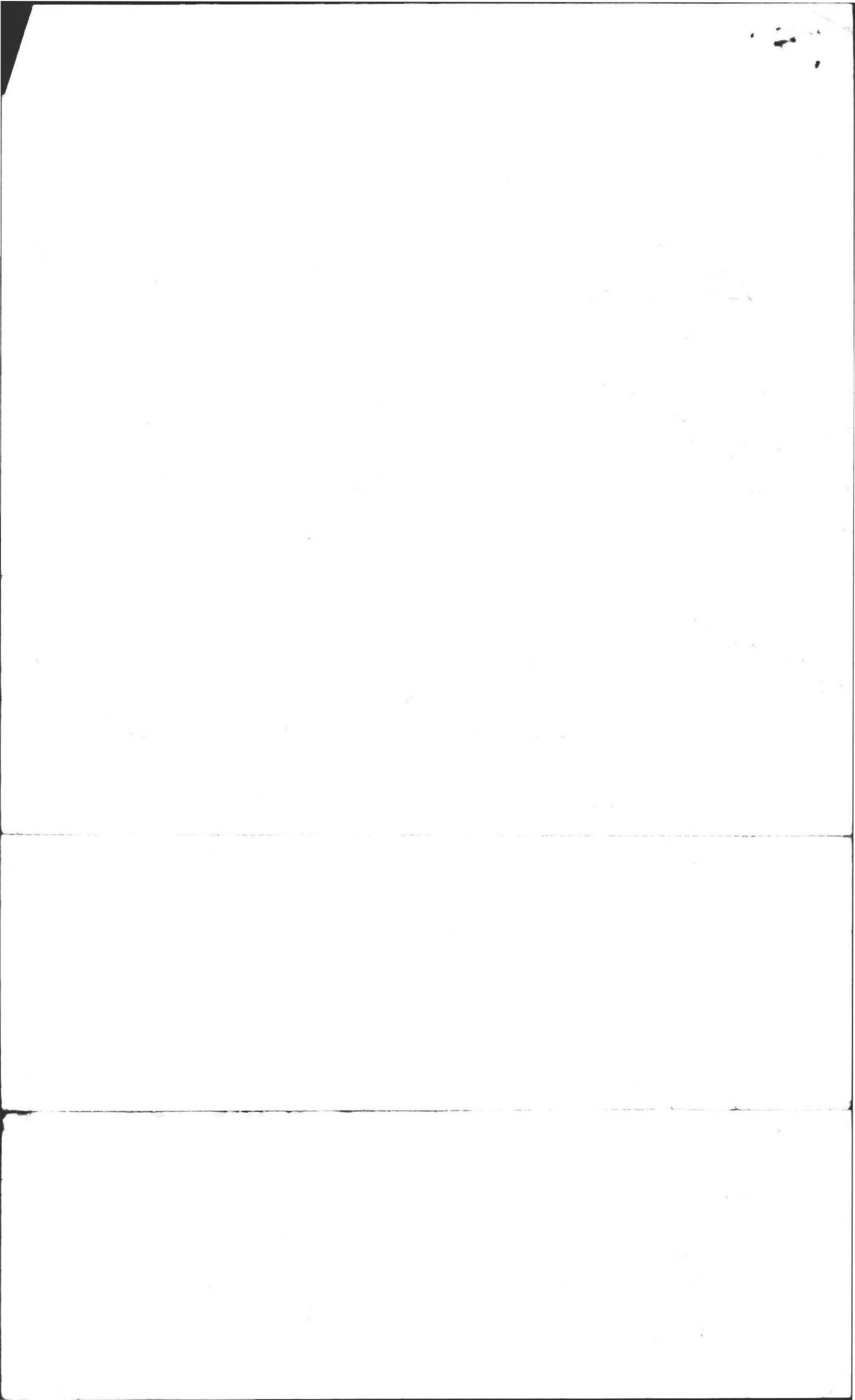
FEE \$90

Disposal Works Construction Permit

Permission is hereby granted JEFF WOOD BY LTF CONST.
to Construct (X) or Repair () an Individual Sewage Disposal System

at No. RTE 116 - No. OF WMECO Street 7868 Dated 12/31/86
as shown on the application for Disposal Works Construction Permit No. _____

DATE 12-31-86 Board of Health [Signature]



RICHARD SCOTT, P.E.
REGISTERED CIVIL ENGINEER

31 SHUTESBURY ROAD
PELHAM, MA 01002

(413) 256-0647

Town of Amherst
Board of Health
Main St.
Amherst, Ma. 01002

January 5, 1987

Attn: C.E. Drake, Health Agent

Reference: Application for Septic System Construction Permit
at Rte 116 (Jeffrey Wood, Owner)

Dear Mr. Drake:

I have been notified by Jeff Wood that his construction plans for the reference site have changed. This has affected the septic system design which was originally submitted to you in October and finalized by Mr. Wood in December.

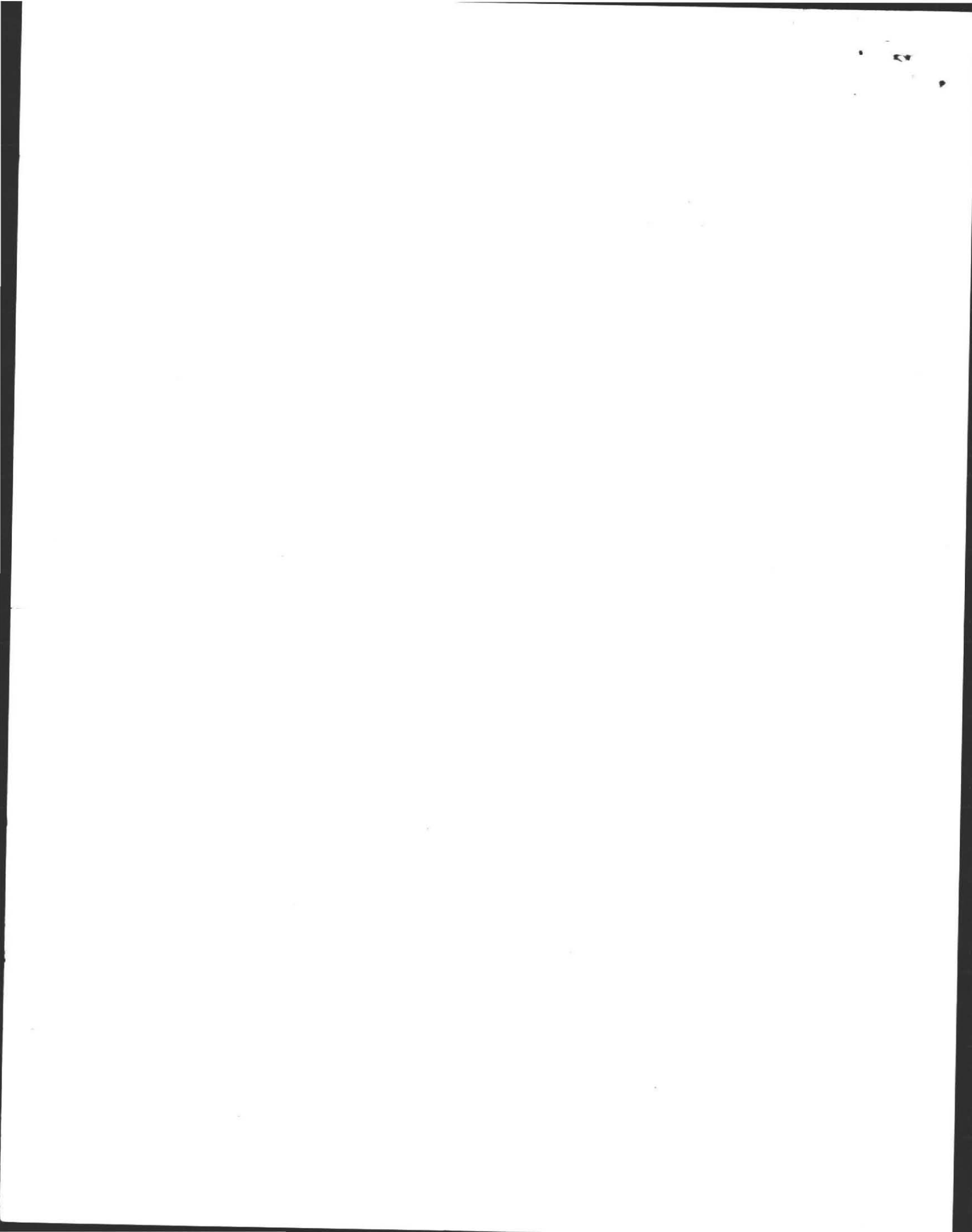
Enclosed herewith is one complete set of drawings incorporating the one revised sheet. Also enclosed are three copies of the revised sheet showing the new proposed system location. From previous discussions with you, I don't believe this revision will cause any problem. If it does raise any questions, please contact me.

.It is Mr. Wood's plan to come to your office on January 6, 1987 for you to "initial" this change. If necessary, you may reach me during the day at (617) 544-2511. Thank you for your continued patience in this matter.

RMS/rs
cc: Jeffrey Wood
Encl.

Sincerely,

Richard Scott, P.E.



No.

FEE

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:

RTE 116 Location - Address 319 LEVERETT RD. AMHERST
JEFFREY WOOD Owner Address

Type of Building Dwelling (✓) No. of Bedrooms 6 Expansion Attic (No) Garbage Grinder (No)
Other - Type of Building No. of persons Showers () - Cafeteria ()
Other fixtures

Design Flow 110 gallons per person per day. Total daily flow 660 gallons.
Septic Tank - Liquid capacity 1500 gallons Length Width Diameter Depth
Disposal Trench - No. 1 Width 18' Total Length 30' Total leaching area 780 sq. ft.
Seepage Pit No. Diameter Depth below inlet Total leaching area sq. ft.

Other Distribution box (✓) Dosing tank ()
Percolation Test Results Performed by RICHARD LEWIS Date 4-24-86
Test Pit No. 1 2 minutes per inch Depth of Test Pit 6'-4" Depth to ground water 4'-2"
Test Pit No. 2 minutes per inch Depth of Test Pit 6'-4" Depth to ground water 4'-2"

Description of Soil 8" LOAM; 8"-17" SUBSOIL; 17"-76" SAND

Nature of Repairs or Alterations - Answer when applicable N/A



I, RICHARD SCOTT, Registered Professional Engineer, No. 30188, State of Massachusetts, do hereby certify that 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 until a Certificate of Compliance has been issued by the board of health.

Signed ON FILE Date 1-7-87
Application Approved By Date

Application Disapproved for the following reasons:

Permit No. Issued 1-7-87 Date

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Certificate of Compliance

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

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

No. FEE

Disposal Works Construction Permit

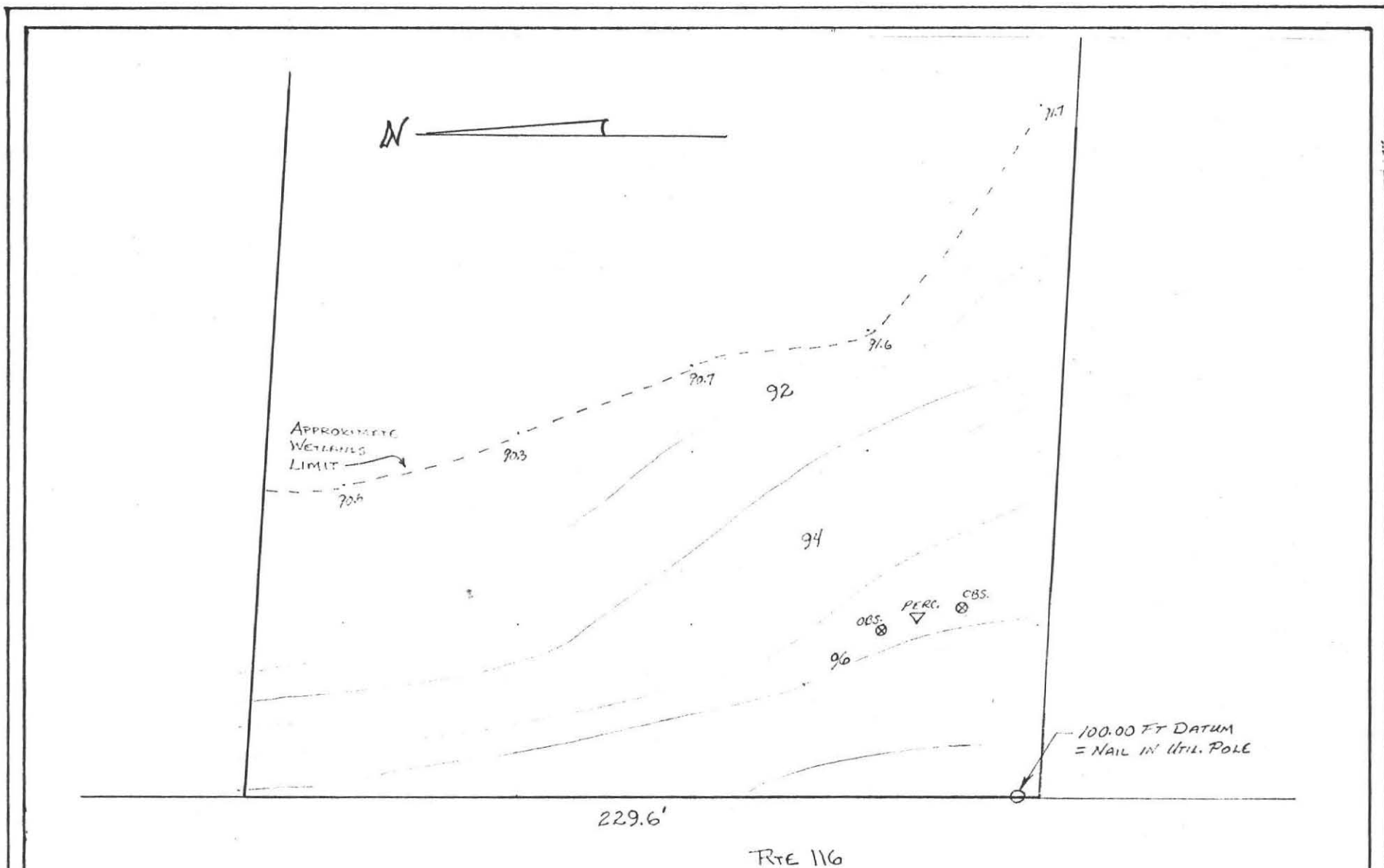
Permission is hereby granted to Construct () or Repair () an Individual Sewage Disposal System at No.

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

DATE Board of Health

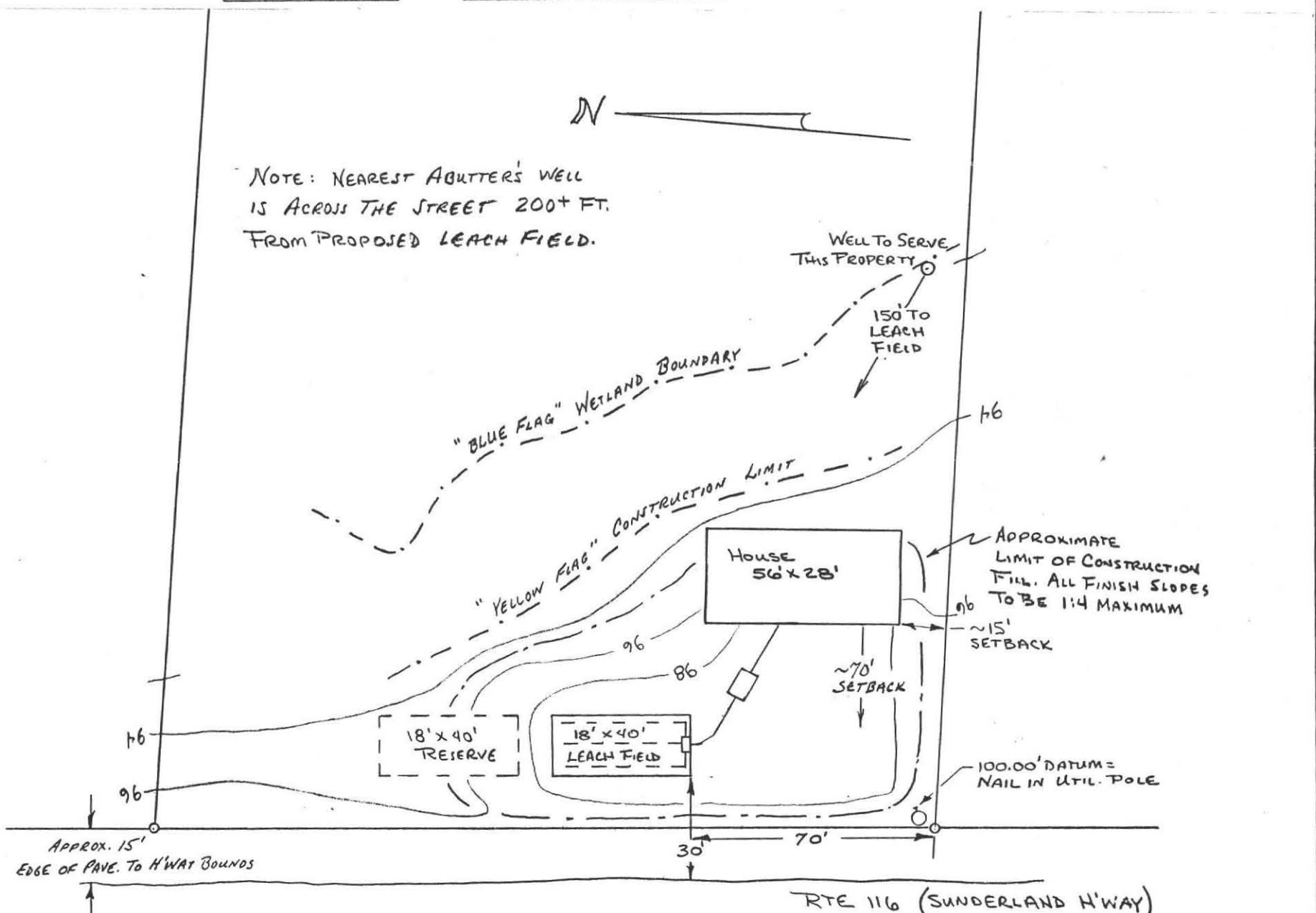
As Originally Submitted 10-14-86 REVISIONS TO SHEET #2 1-2-87 RMS 1-5-87

CHECK OR FILL IN WHERE APPLICABLE



SITE PLAN - EXISTING CONTOURS

SCALE: 1" = 40'

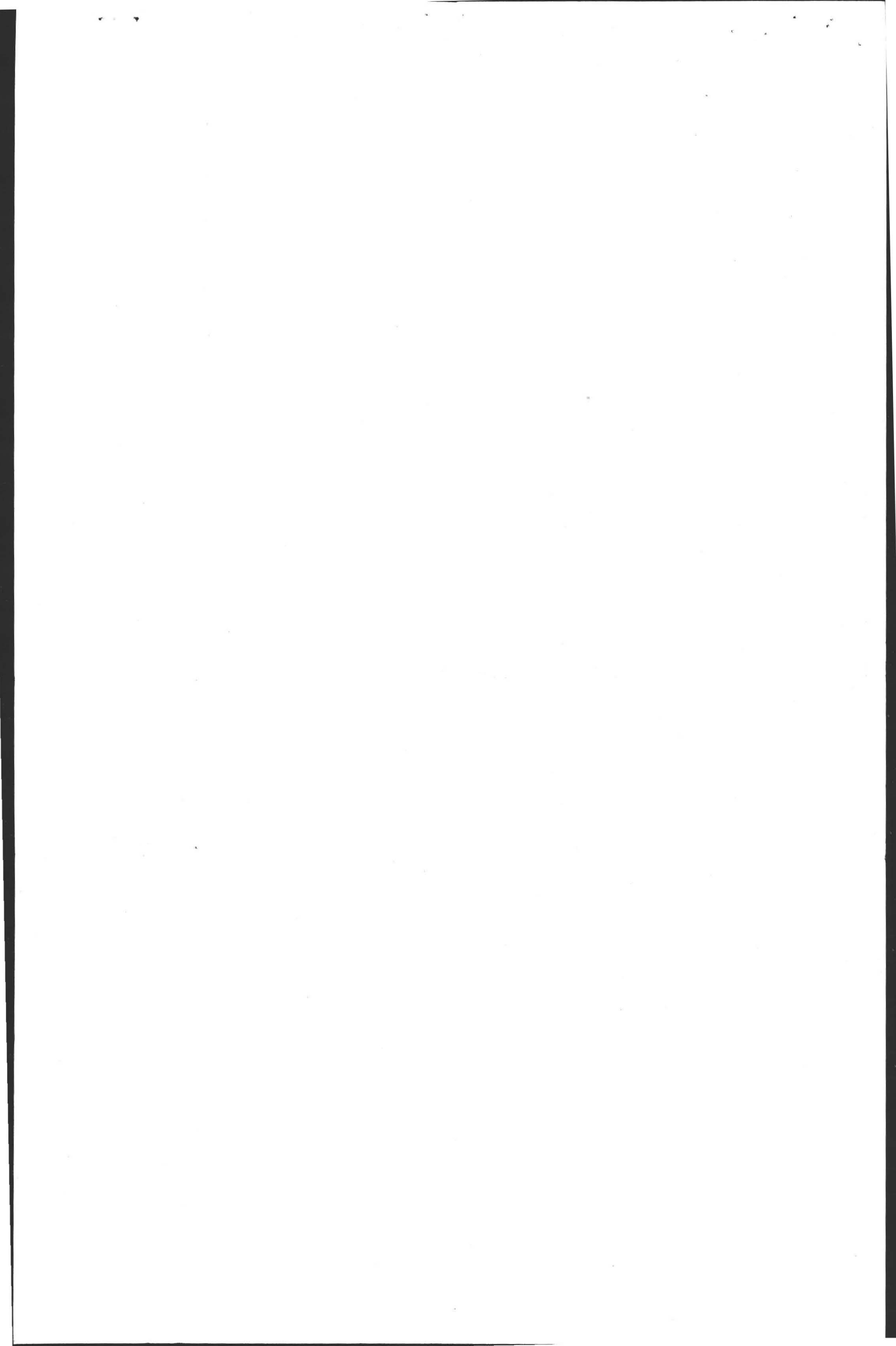


SITE PLAN - PROPOSED CONTOURS

SCALE: 1" = 40'

Richard Scott
1-2-87

PROPOSED SEPTIC SYSTEM DESIGN
FOR: JEFFREY WOOD
RTE 116 AMHERST, MASSACHUSETTS
PREPARED BY: RICHARD SCOTT, P.E.
SCALE: AS SHOWN DATE: 10-14-86
REV'D: 1-2-87



SYSTEM DESIGN CALCULATIONS

6 BEDROOM x 110 GAL PER BEDROOM PER DAY = 660 G.P.D. DESIGN FLOW (NO GARBAGE GRINDER)

MINIMUM EFFECTIVE SEPTIC TANK VOLUME = 1.5 x 660 = 990 GALLONS

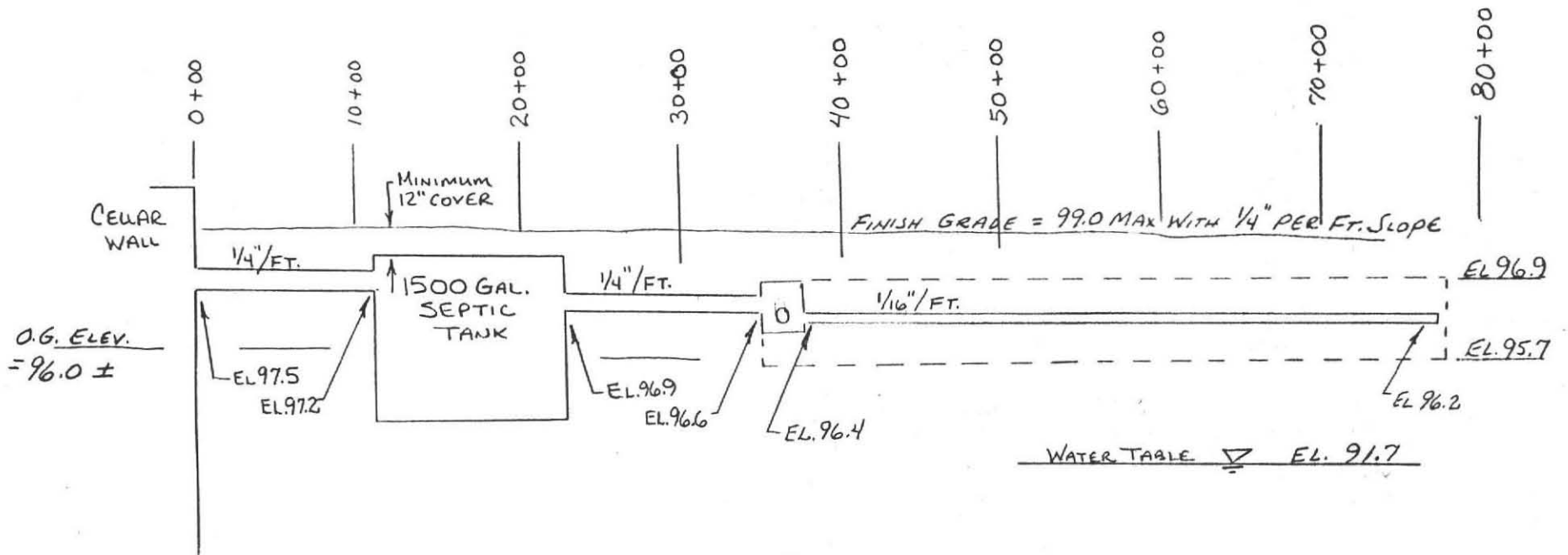
SPECIFIED EFFECTIVE TANK VOLUME = 1500 GALLONS.

PERCOLATION RATE = 2 MINUTES PER INCH → DESIGN LOADING = 1.0 SQ. FT. PER GALLON FOR BOTTOM LEACHING ONLY.

MINIMUM LEACH FIELD BOTTOM AREA = 660 x 1.0 = 660 SQ FT

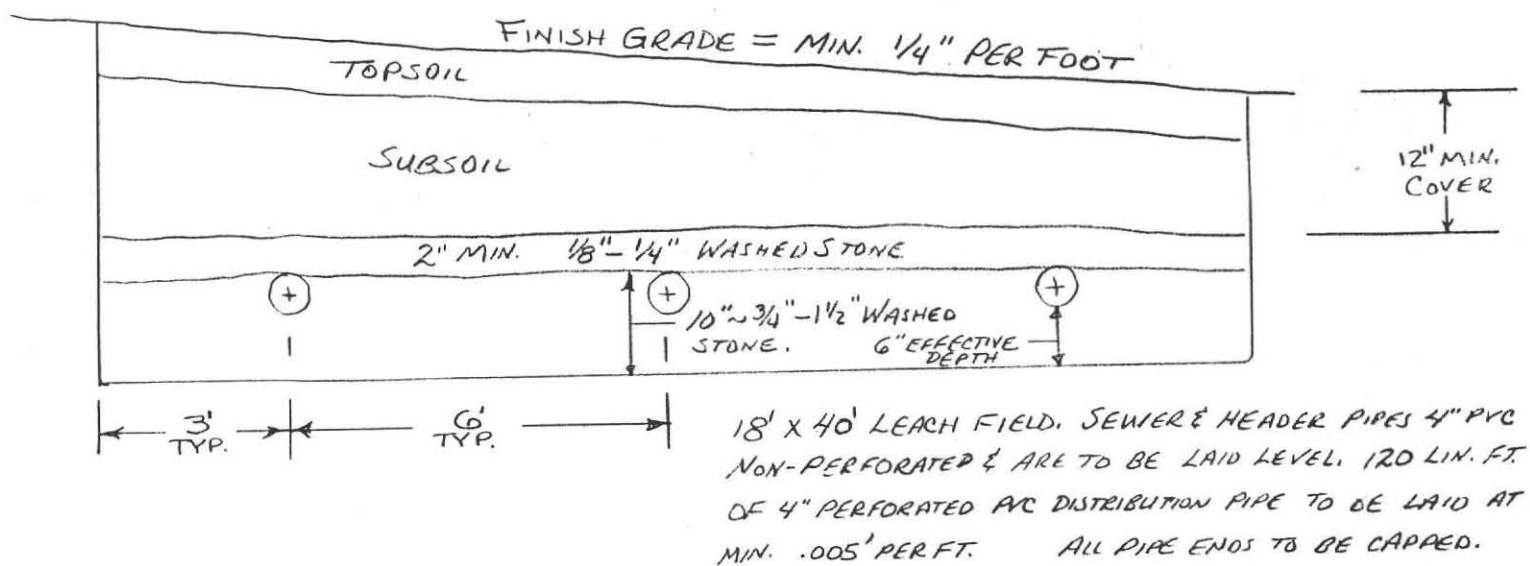
LEACH FIELD AREA SPECIFIED FOR THIS SITE = 18' x 40' = 720 SQ. FT.

SPECIFICATION: ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH MASSACHUSETTS D.E.Q. STATE ENVIRONMENTAL CODE TITLE 5.



SYSTEM PROFILE ~ SECTION PARALLEL TO FLOW

SCALE: HORIZ: 1" = 10' VERT: N.T.S.

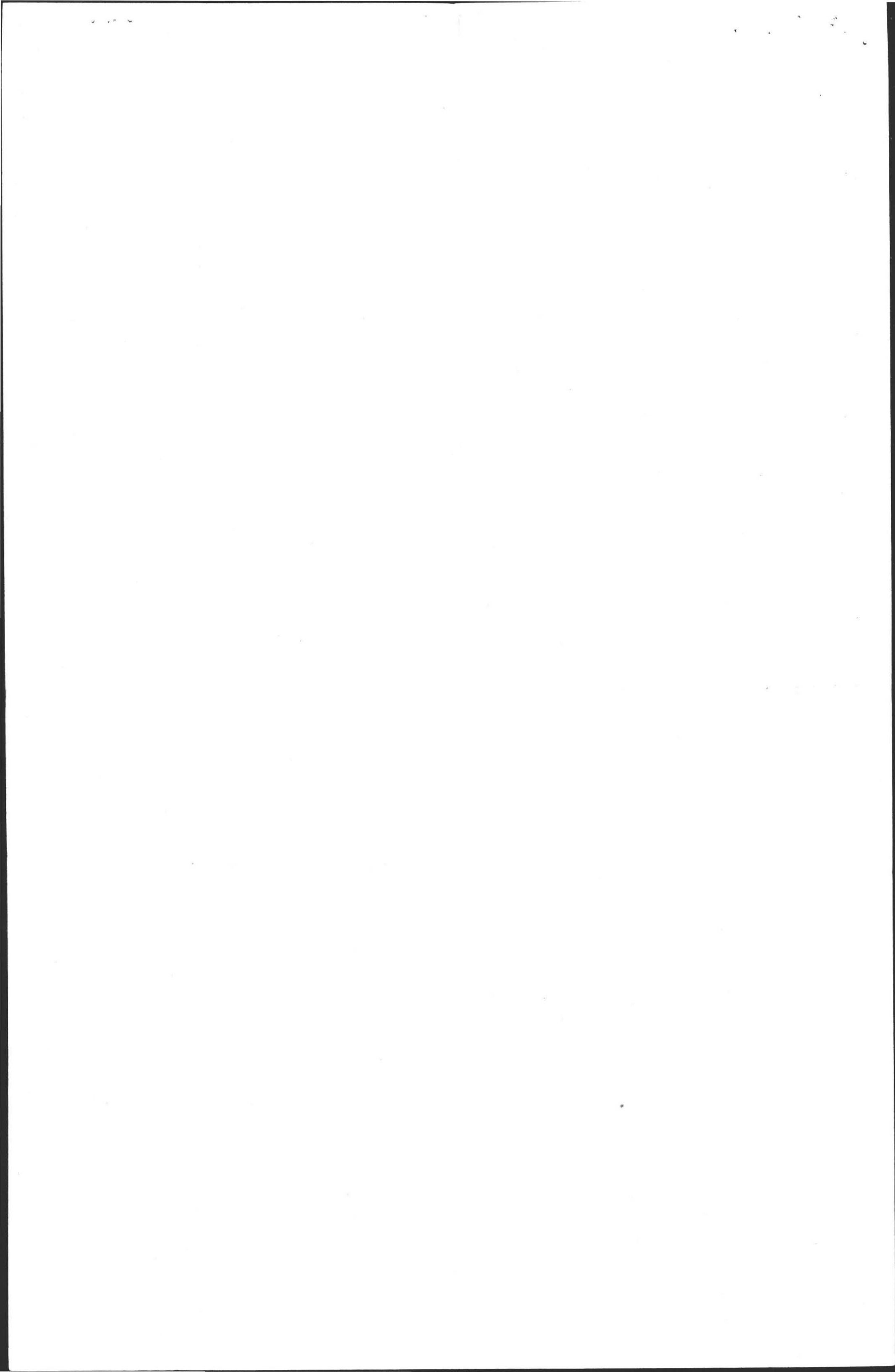


LEACH FIELD PROFILE ~ SECTION PERPENDICULAR TO FLOW

SCALE: HORIZ: 1" = 3' VERT: N.T.S.



PROPOSED SEPTIC SYSTEM DESIGN
 FOR: JEFFREY WOOD
 RTE 116 AMHERST, MASSACHUSETTS
 PREPARED BY: RICHARD SCOTT, P.E.
 SCALE: AS SHOWN DATE: 10-14-86



CHECK OR FILL IN

Serpentine Pit No. _____ Diameter _____ Depth below inlet _____ Total leaching area _____ sq. ft.
 Other Distribution Box _____ Dosing tank () _____ Total leaching area _____ sq. ft.
 Percolation Test Results Performed by _____ Date _____
 Test Pit No. 1 _____ minutes per inch Depth of Test Pit _____
 Test Pit No. 2 _____ minutes per inch Depth of Test Pit _____
 Description of Soil _____
 Nature of Repairs or Alterations - Answer when applicable _____

October 20, 1986

Mr. Jeffrey Wood
 319 Leverett Road
 Amherst, MA 01002

Dear Mr. Wood:

Enclosed are five (5) copies of the septic system design work for your property on Route 116 in Amherst. As I understand the requirements, you will need to provide four (4) copies along with the original "Application for Disposal Works Construction Permit" to the Amherst Board of Health.

As you are aware, the lot is only marginally suitable for a subsurface disposal system, so will require the stripping of the top 25" of top soil and subsoil in the area of the leach field. A well-drained gravel fill must be imported to fill from approximate elevation 94.0 to 95.7, the bottom level of the system.

On the plan, I have located the disposal system as far to the South as the required fill will allow and the house also as far South as practical. Maintaining a 30' setback from the road, this keeps the house and septic system 50 + feet from the wetlands area as you defined it for me at the site on September 30.

The enclosed provides the required information for your application to the Board of Health. If a broadened analysis becomes necessary, please call me.

Truly yours,

Richard M. Scott

Richard M. Scott, P.E.

SET A T.B.M. REFER ALL ELEVATIONS TO IT.
 Take perc test @ elevation of leach system ±
 Check for ground water (2 deep holes, 10ft., 1 @ proposed 1 @ auxiliary)
 Sketch house, well, street, proposed tank & leach area, slope of ground, brooks, rough levels
 Locate any walls within 200' of test hole
 Saturate test hole 15 minutes min. (30 min Monson)
 Time for 10 minutes min., if over 10 min/in let set 30 min. time again
 Name of backhoe operator and/or Contractors name

BACKHOE #1 6'4" #2 6'4" PERC TEST HOLE DEPTH #1 44" #2 _____

loam.	8"	9"
brown or yellowish dirt	17"	17"
other, estimate of clay, silt, sand, etc.	Sand	Sand

TEST @	TIME	MEAS.	TIME	MEAS.
"	9:27	6"		
"	9:56	12"		
"	10:00	9"		

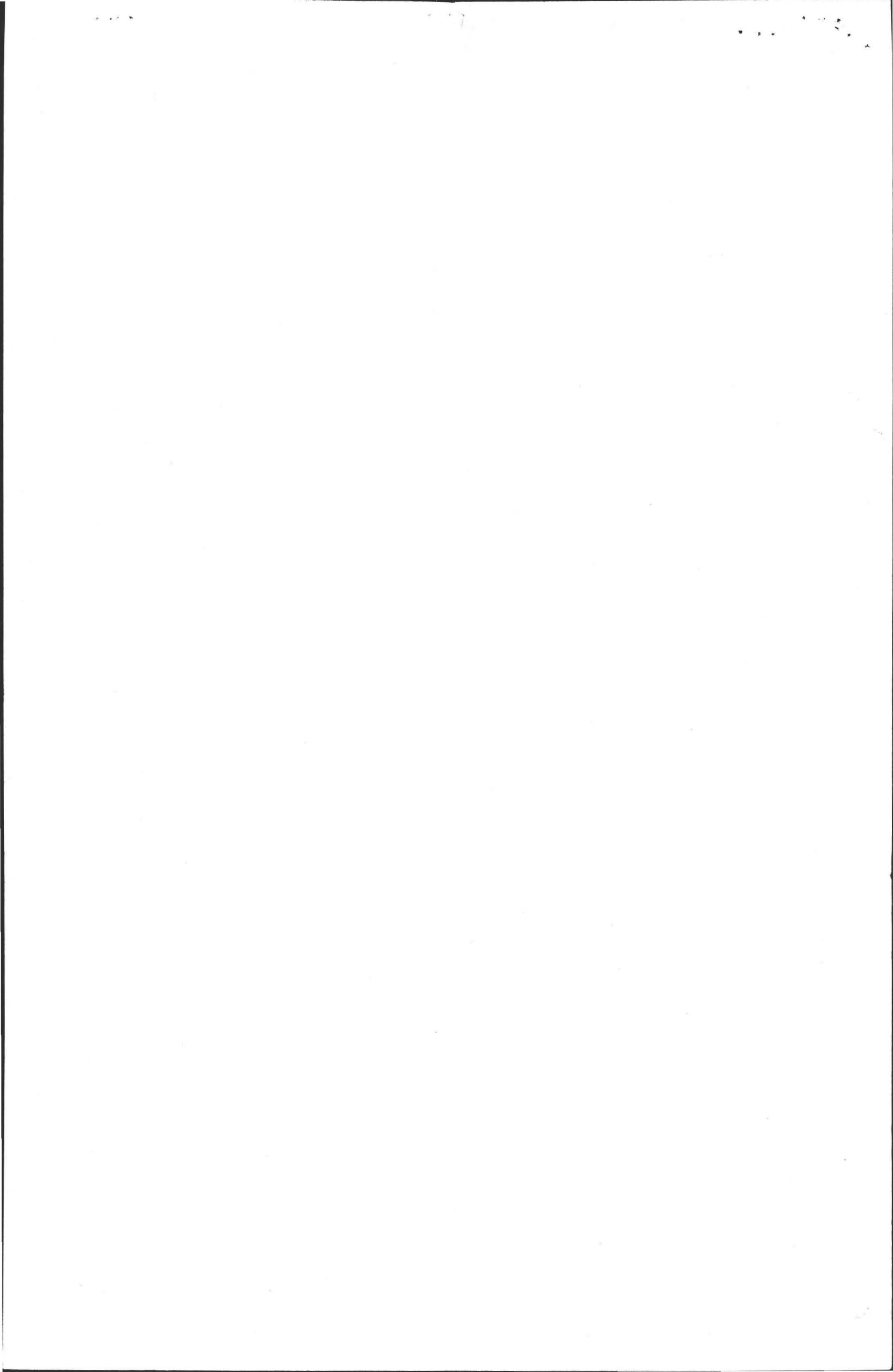
Descriptions	
boulder	12
cobble	3-1
coarse gravel	3/4-
fine gravel	1/4-
coarse sand	1/16-
medium sand	5/16
fine sand	powd

NOTES:
 DATE: 4/24/87
 BY:
 INSPECT: Charlie Prude
 BACKHOE:
 Test for clay & silt
 1. Roll a thread of soil in
 a) breaks or very weak -
 b) firm - clay

to bottom of backhoe hole
 H₂O 50"

This is 116 Rt. - Jeffrey Wood

RMS/ged
 Enclosures



Epstein
J. Wood - flag lot
12-27-88
page 2

Thus, if you are proposing any work within 100 feet of this area, you are required to submit a Notice of Intent (or an Abbreviated Notice, if you will not be disturbing more than 1,000 sq. ft. of surface area within 100 of the wetland) to the conservation Commission. I have enclosed a copy of the Abbreviated Notice for your use. The Commission will most likely allow a driveway in the general location of the area which Mr. Wood has staked. However, they do require the opportunity to review the proposed project in order to insure that proper performance standards for protecting the isolated wetland are part of the approved project.

Also, I would like to point out that the driveway location as shown to me by Jeffrey Wood is not in the same location as shown on the site plan that was filed with the Zoning Board of Appeals for the special permit to create the flag lot. You may want to contact the ZBA in case there is a need to file an amended plan which would indicate the new driveway location that is being proposed.

Please contact this office if you have any questions.

Sincerely,



Mary Donahue Klein
Assistant Conservation Director

cc: Alice Epstein, ZBA
William Start, Inspection Services
Bettye Anderson Frederic, Board of Health
Joseph Giandalone

Town of



JAN 10 1989

David F4
Massachusetts

AMHERST

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

CONSERVATION COMMISSION
AND
CONSERVATION DIRECTOR
(413) 256-0413

December 27, 1988

COPY

Trudi Epstein
Valley Wellspring Corporation
RFD #3
Amherst, Ma. 01002

Re: Con. Com. Driveway Approval - ZBA Special Permit #87-17

Dear Ms. Epstein:

This letter is to summarize a recent site visit to Jeffrey Wood's property for the purpose of inspecting a proposed driveway location into a newly created flag lot (ZBA Special Permit #87-17, Assessors Map #3A/ Parcel #62), located to the northwest of his 312 Leverett Rd. address.

During our site visit, Mr. Wood indicated to me that one of the conditions specified in the special permit issued by the Zoning Board of Appeals specified that the location of the driveway must be approved by the Conservation Commission. We viewed the centerline of the proposed driveway (as staked by Jeffrey Wood) from the point where it leaves the driveway right-of-way that leads to Joseph Giandalone's dwelling and followed it to the area where the proposed driveway crosses a small ravine to the west and climbs to the edge of the existing field that abuts the railroad.

I indicated to you that I had two concerns, those being: (1.) A section of the proposed driveway was located at the edge of a wetland and (2.) The septic line location as proposed would have to cross a ravine through a possible intermittent stream. Mr. Wood indicated that the ravine crossing was necessary because the approved septic location was one side of the ravine and the dwelling would be located on the other side of the ravine at the edge of the treeline.

Ineke Dickman, wetlands officer, accompanied me on a subsequent site visit for the purpose of reviewing the proposed driveway location back to the ravine. It was her opinion that there was not a 50% or greater cover of wetland vegetation present in the ravine to warrant this being considered a protectable wetland resource area. However, she concurred with my opinion that the area immediately adjacent to the proposed driveway on its north side, just before the driveway begins the uphill climb across the ravine, is an isolated wetland and therefore, a protectable wetland resource area under the Town of Amherst Wetlands Protection Bylaw.

No. _____

FEE _____

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:

ROUTE 116 (SUNDERLAND HIGHWAY)

Location - Address

WALTER JONES

Owner

L & F CONSTRUCTION

Installer

or Lot No.

MONTAGUE RD. AMHERST

Address

LEVERETT, MA.

Address

Type of Building Dwelling (X) No. of Bedrooms 6 Expansion Attic (No) Garbage Grinder (No) Other - Type of Building No. of persons Showers () - Cafeteria () Other fixtures

Design Flow 110 gallons per person per day. Total daily flow 660 gallons.

Septic Tank (X) Liquid capacity 1500 gallons Length 10' Width 5' Diameter 5' Depth 5'

Disposal Trench (X) No. 1 Width 18' Total Length 40' Total leaching area 720 sq. ft.

Seepage Pit No. Diameter Depth below inlet Total leaching area sq. ft.

Other Distribution box (Yes) Dosing tank (Yes)

Percolation Test Results Performed by RICHARD LEWIS Date 4-24-86

Test Pit No. 1 2 minutes per inch Depth of Test Pit 6'-4" Depth to ground water 4'-2"

Test Pit No. 2 minutes per inch Depth of Test Pit 6'-4" Depth to ground water 4'-2"

Description of Soil TO 8" LOAM; TO 17" SUBSOIL; TO 76" 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 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 _____ Date _____

Application Approved By _____ Date _____

Application Disapproved for the following reasons: _____ Date _____

Permit No. _____

Issued _____ Date _____

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

OF

Certificate of Compliance

NOTICE OF INTENT

I.D. LETTER ID

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

Installer

at _____

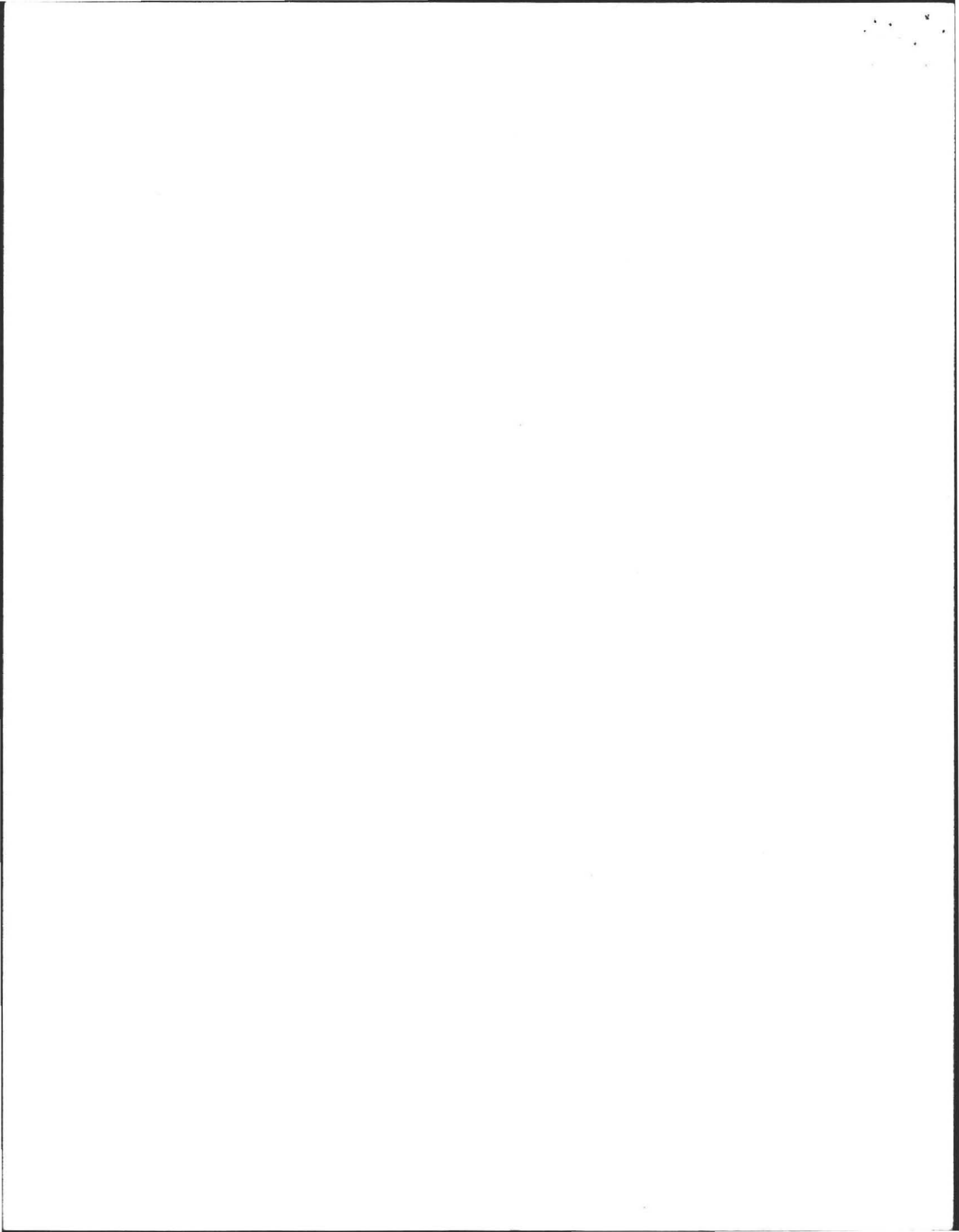
has been installed in accordance with the provisions of TITLE 5 of The State Sanitary Code as described in the application for Disposal Works Construction Permit No. _____ dated _____

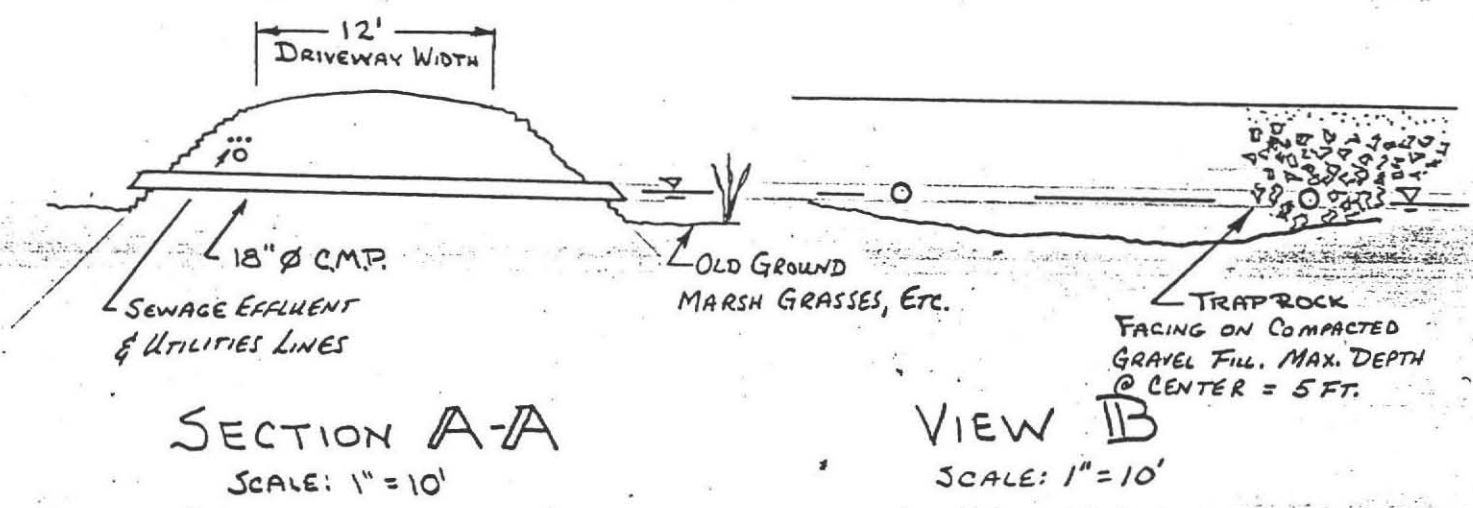
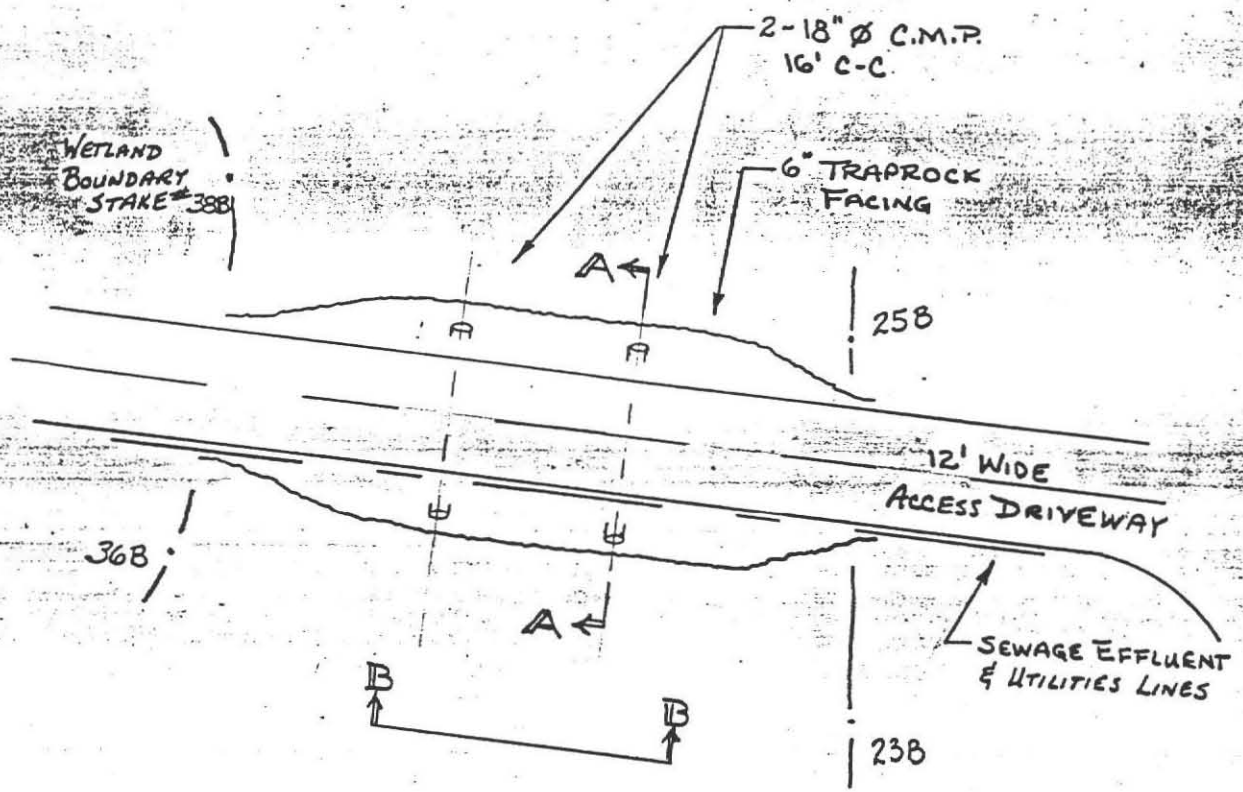
THE ISSUANCE OF THIS CERTIFICATE SHALL NOT BE CONSTRUED AS A GUARANTEE THAT THE SYSTEM WILL FUNCTION SATISFACTORY.

DATE _____

Inspector _____

CHECK OR FILL IN WHERE APPLICABLE



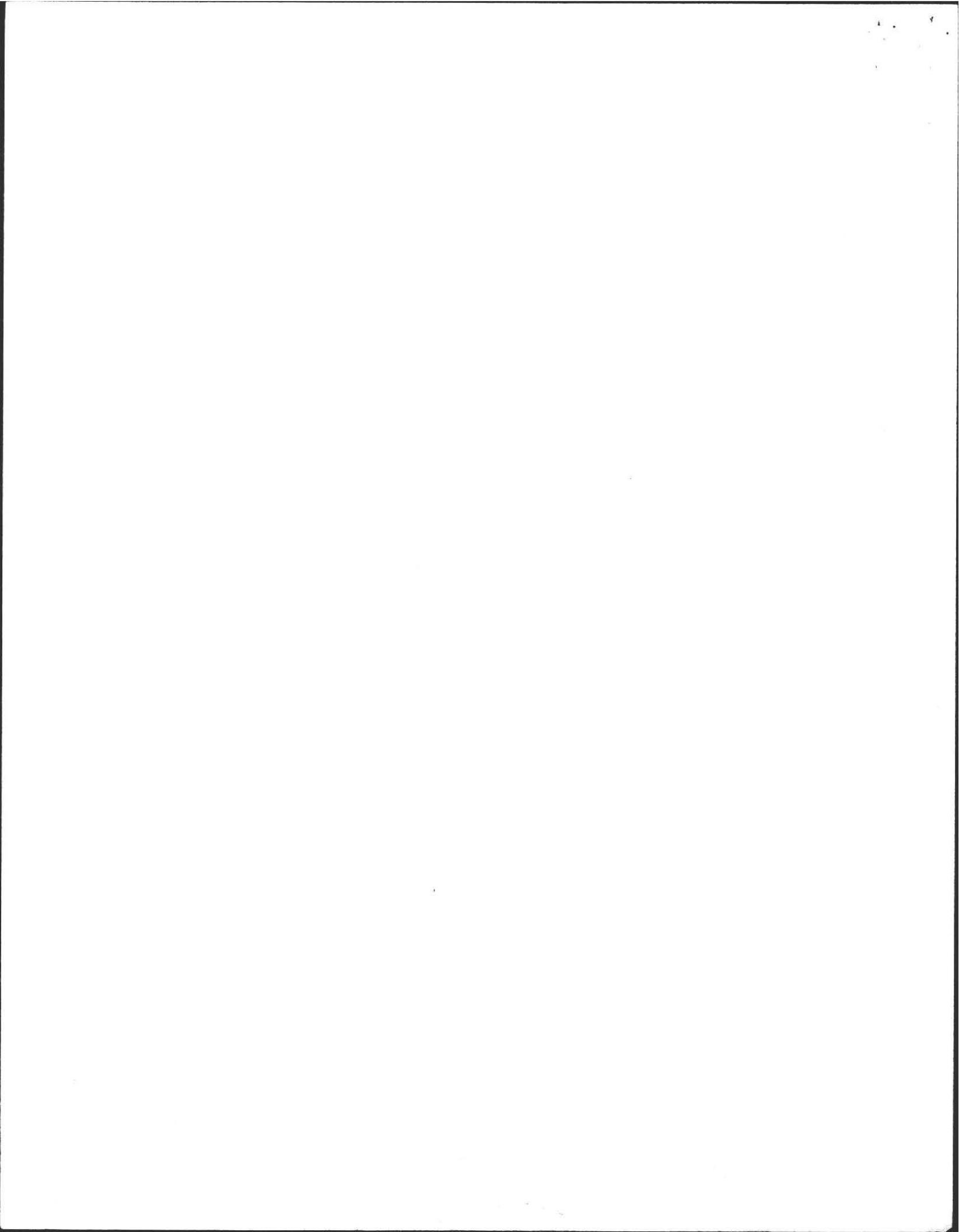


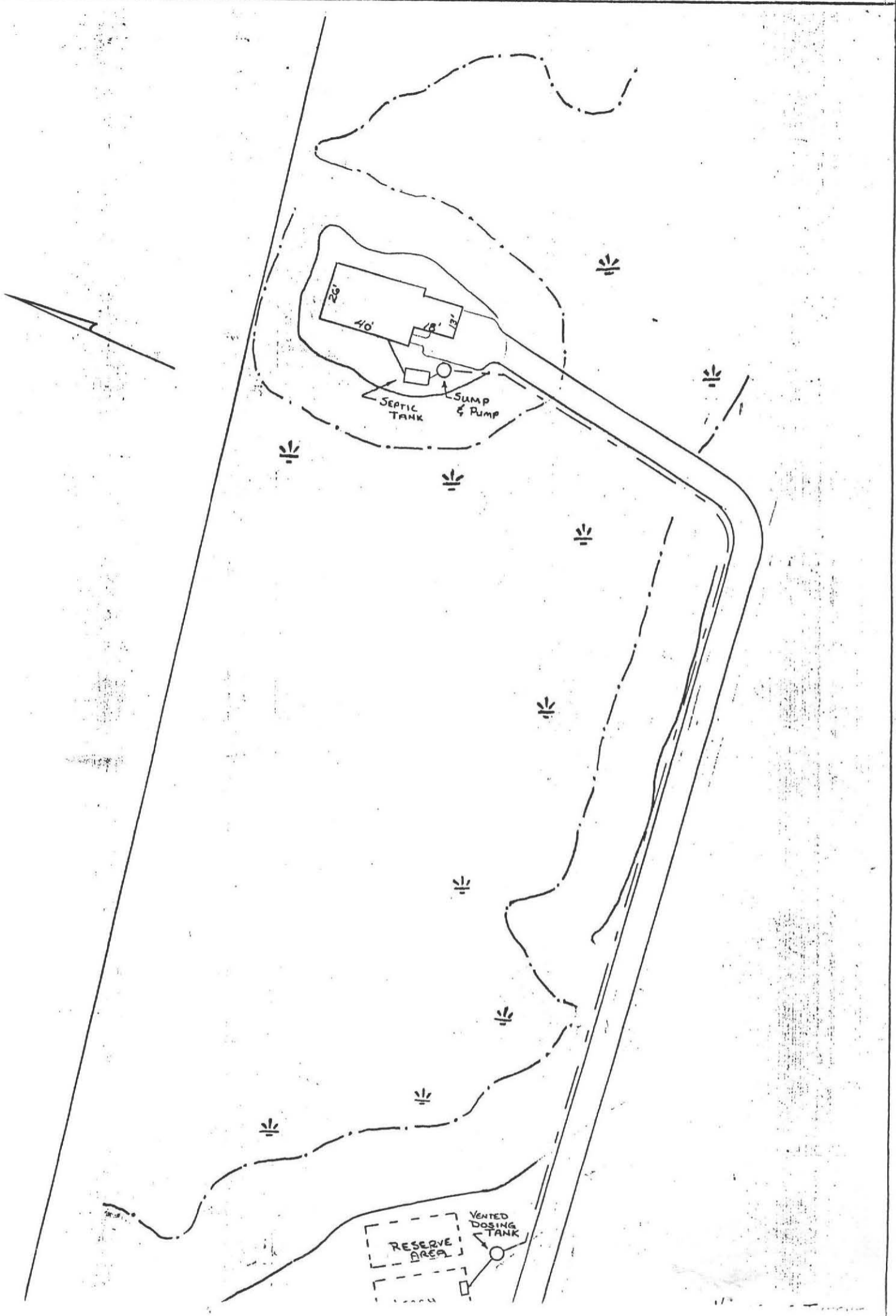
SECTION A-A
SCALE: 1" = 10'

VIEW B
SCALE: 1" = 10'

NOTICE OF INTENT
I.D. LETTER E

DETAIL: FARM ROAD
IMPROVEMENT @ RTE 116
SINGLE-FAMILY RESIDENCE
BY: RMS DATE 3-25-87
SCALE: 1" = 20'





CHECK OR FILL IN WHERE

Disposal Trench - No. _____ Width _____ Total Length _____ Total leaching area _____ sq. ft.
 Scepage Pit No. _____ Diameter _____ Depth below inlet _____ Total leaching area _____ sq. ft.
 Other Distribution Box _____ Dosing tank ()
 Percolation Test Results Performed by _____ Date _____
 Test Pit No. 1 _____ minutes per inch Depth of Test Pit _____ Depth of ground water _____
 Test Pit No. 2 _____ minutes per inch Depth of Test Pit _____ Depth of ground water _____

Description of Soil _____
 SEE ATTACHED SHEETS

Nature of Repairs or Alterations - Answer when applicable _____

1) SET A T.B.M. REFER ALL ELEVATIONS TO IT.
 Take perc test @ elevation of leach system ±
 Check for ground water (2 deep holes, 10ft., 1 @ proposed 1 @ auxiliary)
 Sketch house, well, street, proposed tank & leach area, slope of ground, brooks, rough levels
 Locate any walls within 200' of test hole
 Saturate test hole 15 minutes min. (30 min Monsoon)
 Time for 10 minutes min., if over 10 min/in let set 30 min. time again
 Name of back hoe operator and/or Contractors name _____

BACKHOE #1 6'4" #2 6'4" PERC TEST HOLE DEPTH #1 44" #2 _____

loam	8"	9"
brown or yellowish dirt	17"	17"
other, estimate % of clay, silt, sand, etc. to bottom of backhoe hole	Sand	Sand

thru 50"

TEST @	TIME	MEAS.	TIME	MEAS.
	9:27	6"		
"	9:56	12"		
"	10:00	9"		

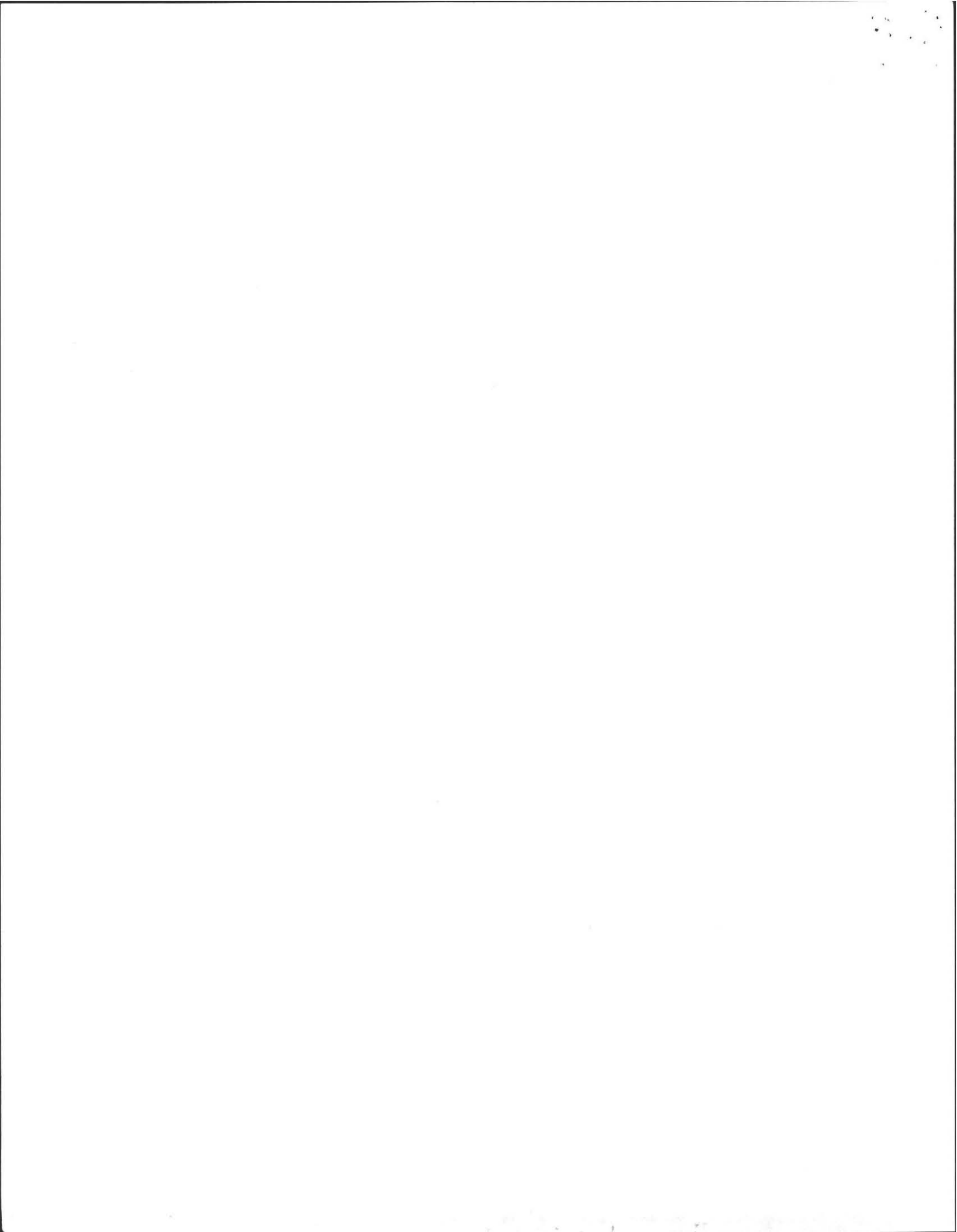
Descriptions	
boulder	12-
cobble	3-1-
coarse gravel	3/4-
fine gravel	1/4-
coarse sand	1/16-
medium sand	5/16-
fine sand	powd

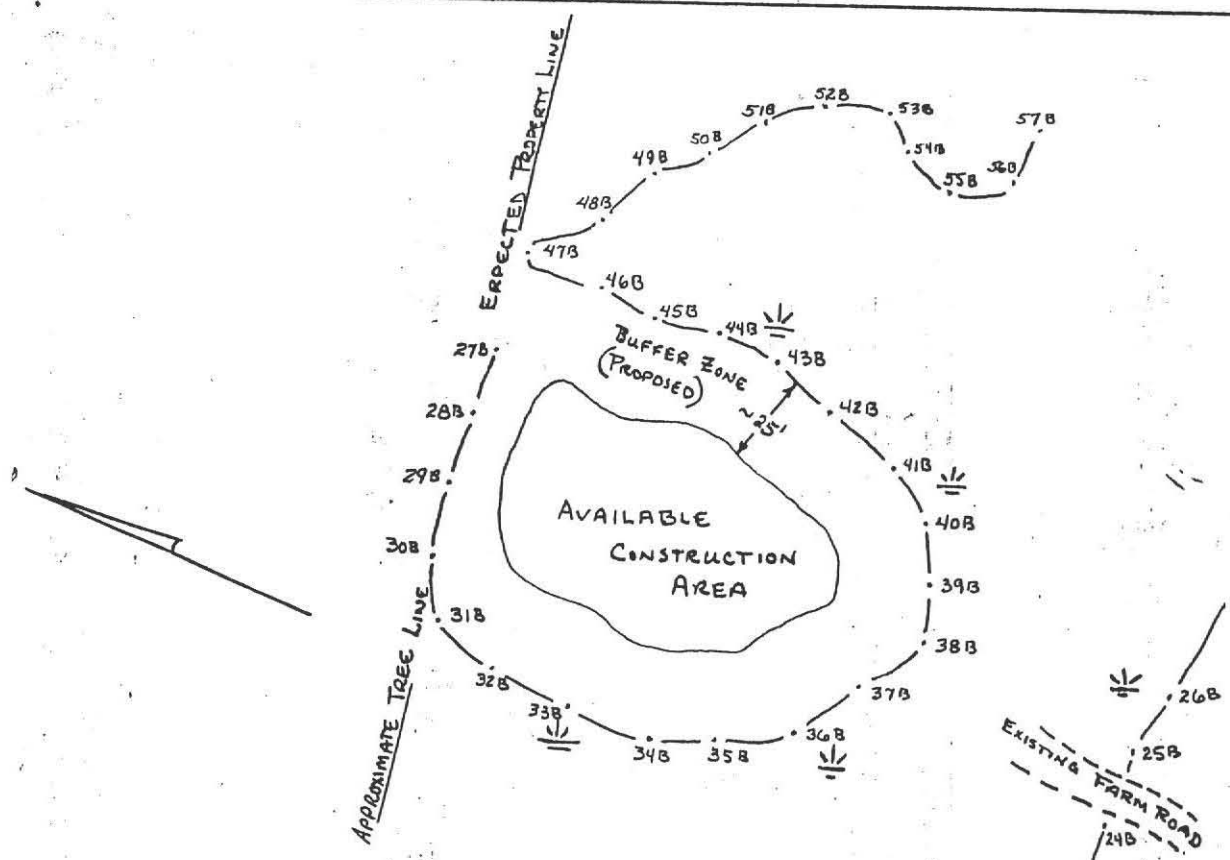
NOTES:
 DATE: 4/24/84
 BY:
 INSPECT: Charlie Bruck
 BACKHOE:

Test for clay & silt
 1. Roll a thread of soil in
 a) breaks or very weak -
 b) firm - clay

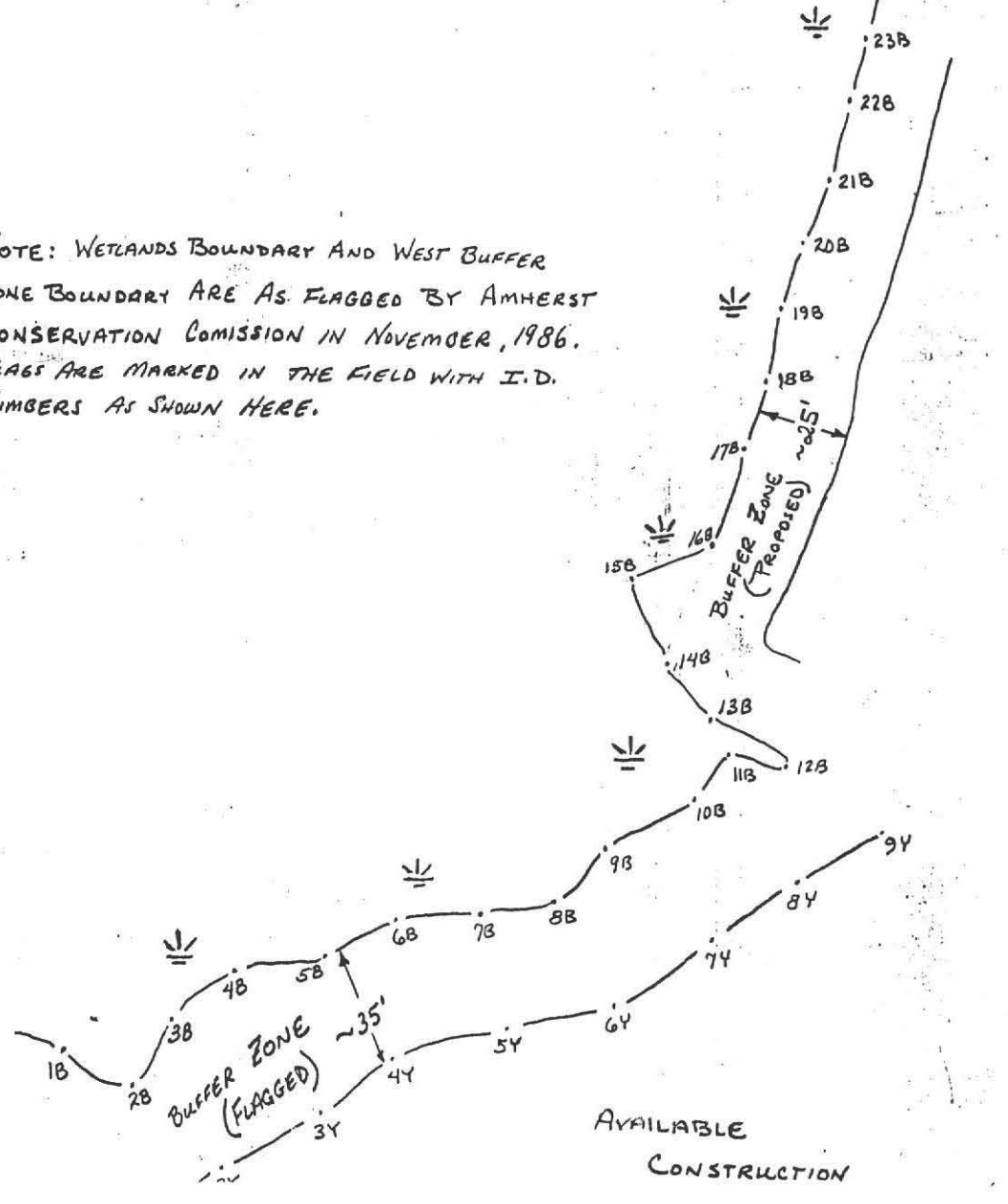
NOTICE OF INTENT
 I.D. LETTER F

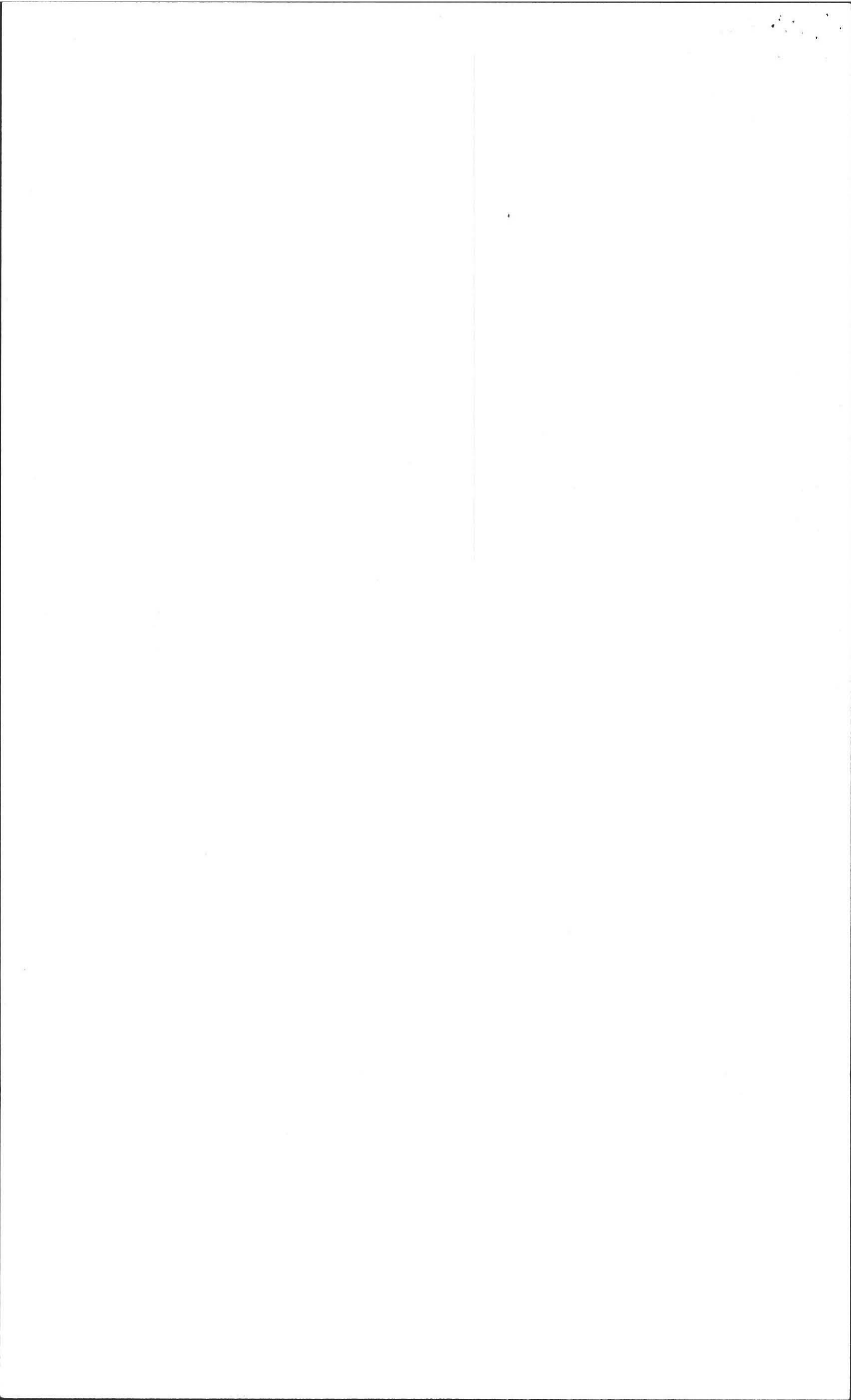
This is 116 Rt. - Jeffrey Wood





NOTE: WETLANDS BOUNDARY AND WEST BUFFER ZONE BOUNDARY ARE AS FLAGGED BY AMHERST CONSERVATION COMMISSION IN NOVEMBER, 1986. FLAGS ARE MARKED IN THE FIELD WITH I.D. NUMBERS AS SHOWN HERE.





No.

FEE

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:

Rte 116 Location - Address JEFFREY WOOD 319 LEVERETT RD. AMHERST

Owner Installer Address

Type of Building Dwelling No. of Bedrooms 6 Expansion Attic (No) Garbage Grinder (No)

Design Flow 110 gallons per person per day. Total daily flow 660 gallons.

Septic Tank Liquid capacity 1500 gallons Length Width Diameter Depth

Disposal Trench No. 1 Width 18' Total Length 30' Total leaching area 780 sq. ft.

Percolation Test Results Performed by RICHARD LEWIS Date 4-24-86

Description of Soil 8" LOAM; 8"-17" SUBSOLIL; 17"-76" SAND

Nature of Repairs or Alterations - Answer when applicable N/A

Signature of Applicant 10-14-86

I, undersigned, agree 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 place until a Certificate of Compliance has been issued by the board of health.

Application Approved By [Signature] Date 1-7-87

Application Disapproved for the following reasons:

Permit No. 86-76 Issued 1-7-87

CHECK OR FILL IN WHERE APPLICABLE



As Originally Submitted 10-14-86 Revisions 1-5-87 RWS SHEET #2

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

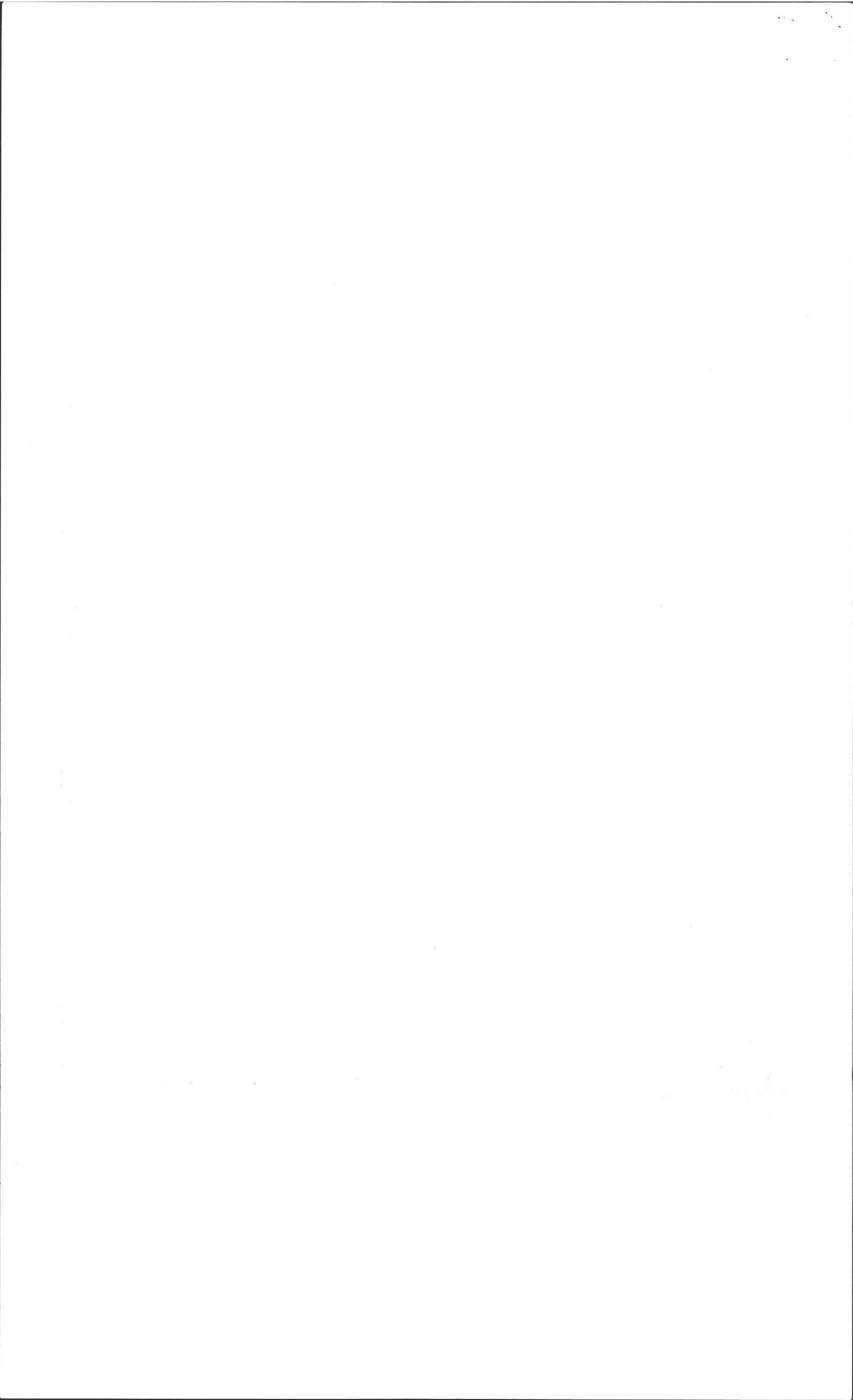
OF

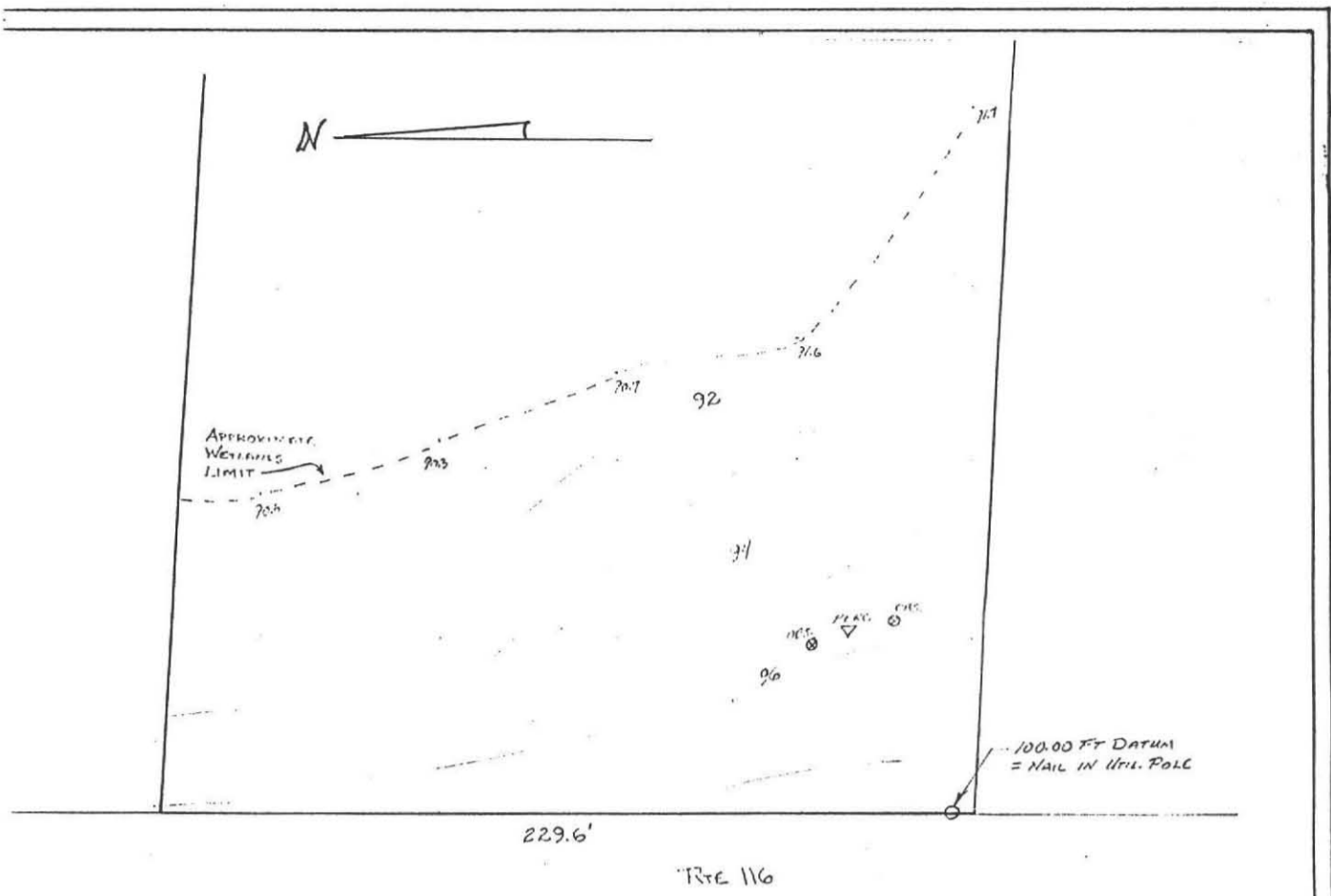
Disposal Works Construction Permit

Permission is hereby granted to Construct () or Repair () an Individual Sewage Disposal System at No.

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

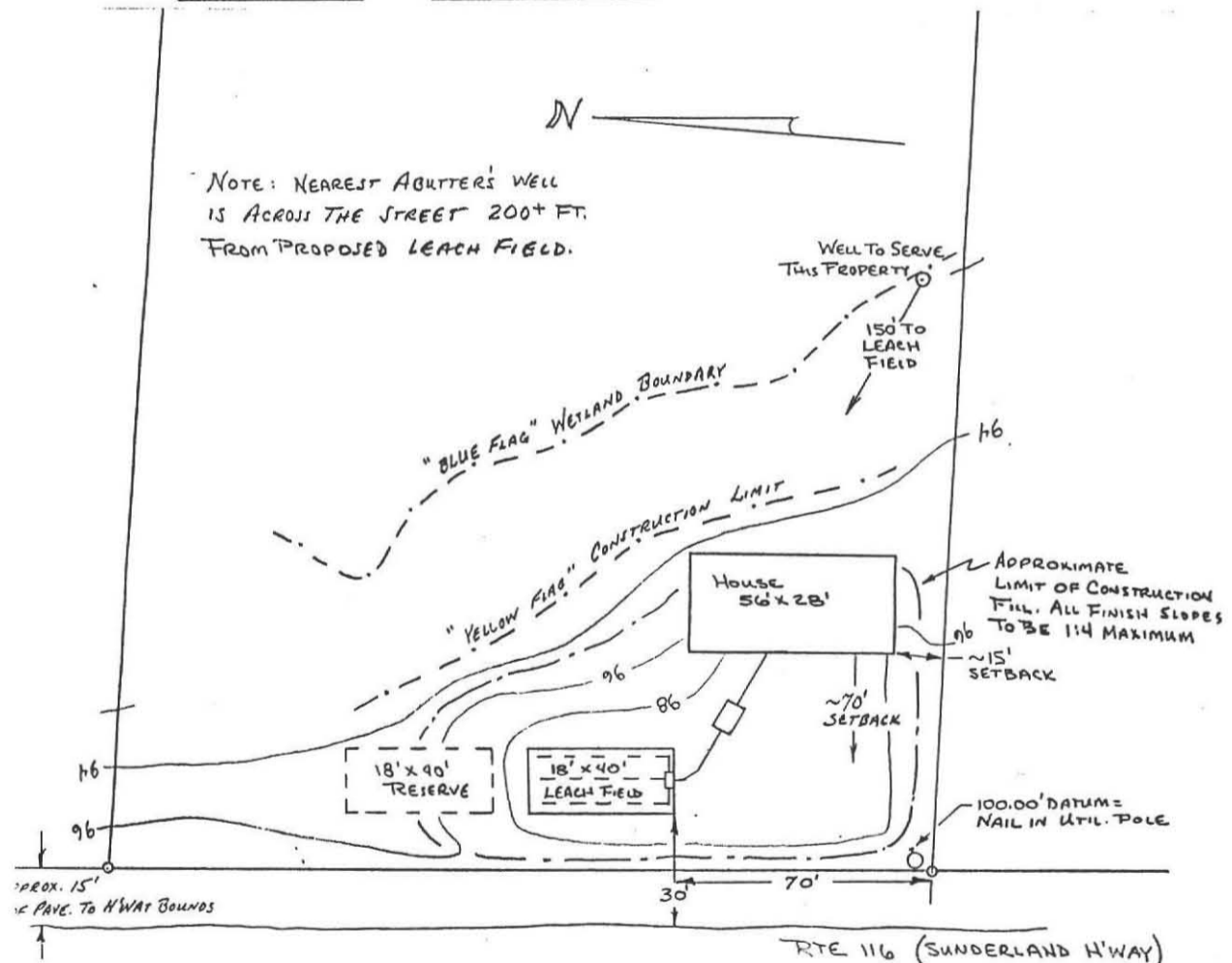
DATE Board of Health





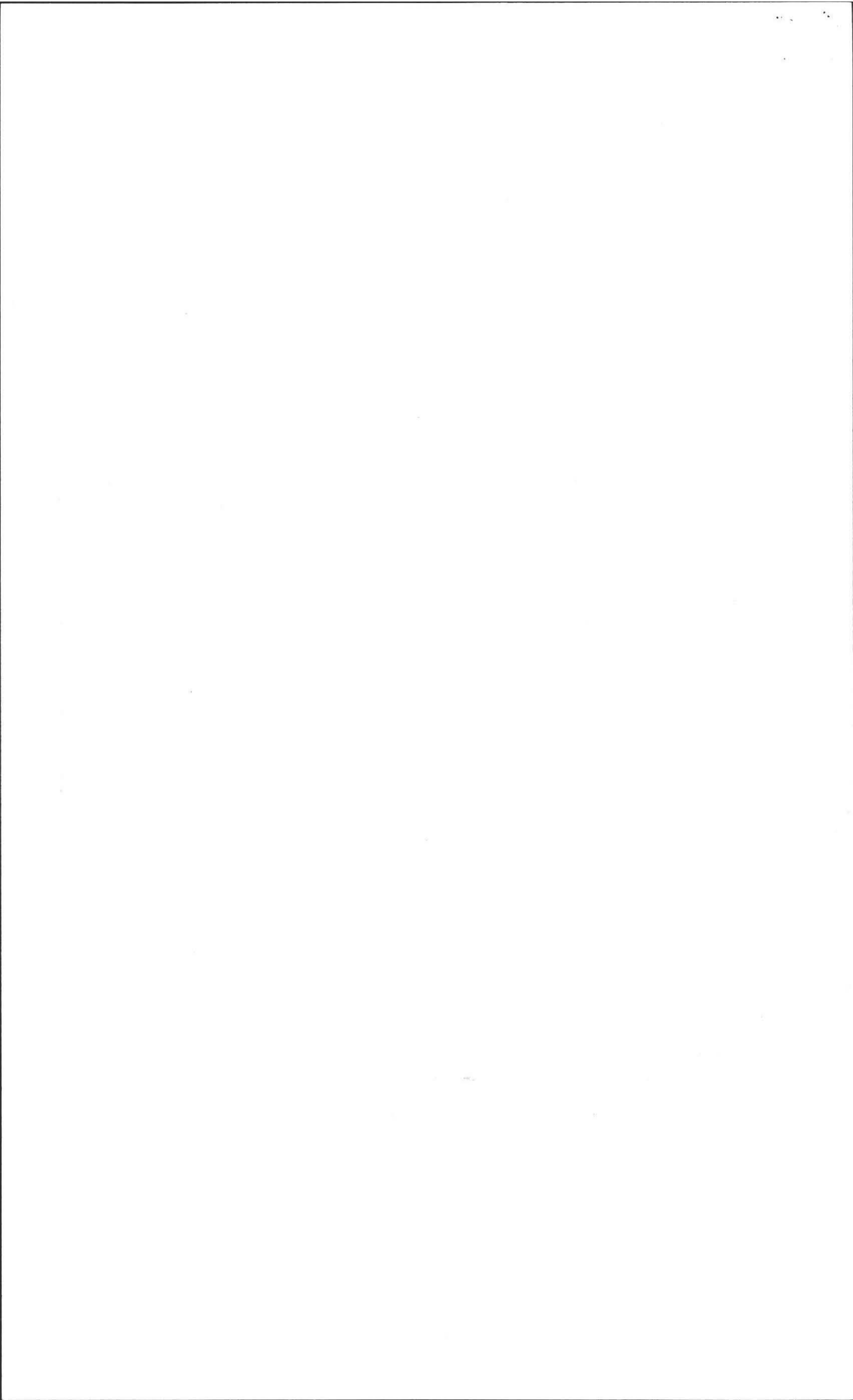
SITE PLAN - EXISTING CONTOURS

SCALE: 1" = 40'



SITE PLAN - PROPOSED CONTOURS

SCALE: 1" = 40'



SYSTEM DESIGN CALCULATIONS

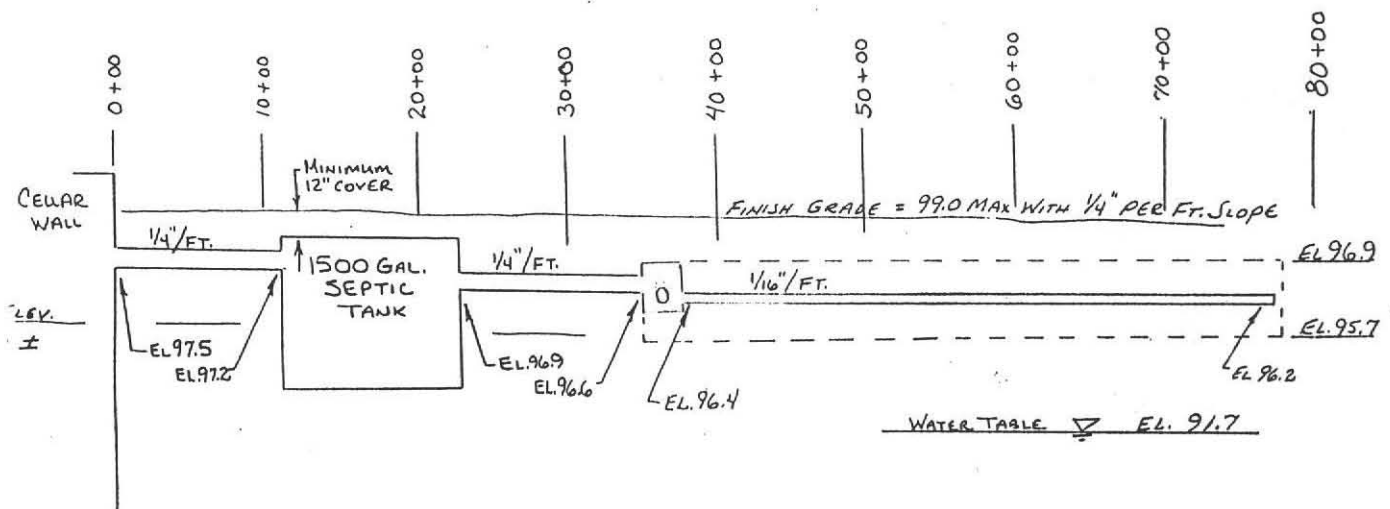
6 BEDROOM x 110 GAL PER BEDROOM PER DAY = 660 G.P.D. DESIGN FLOW (NO GARBAGE GRINDER)

MINIMUM EFFECTIVE SEPTIC TANK VOLUME = 1.5 x 660 = 990 GALLONS
 SPECIFIED EFFECTIVE TANK VOLUME = 1500 GALLONS.

PERCOLATION RATE = 2 MINUTES PER INCH → DESIGN LOADING = 1.0 SQ. FT. PER GALLON FOR BOTTOM LEACHING ONLY.

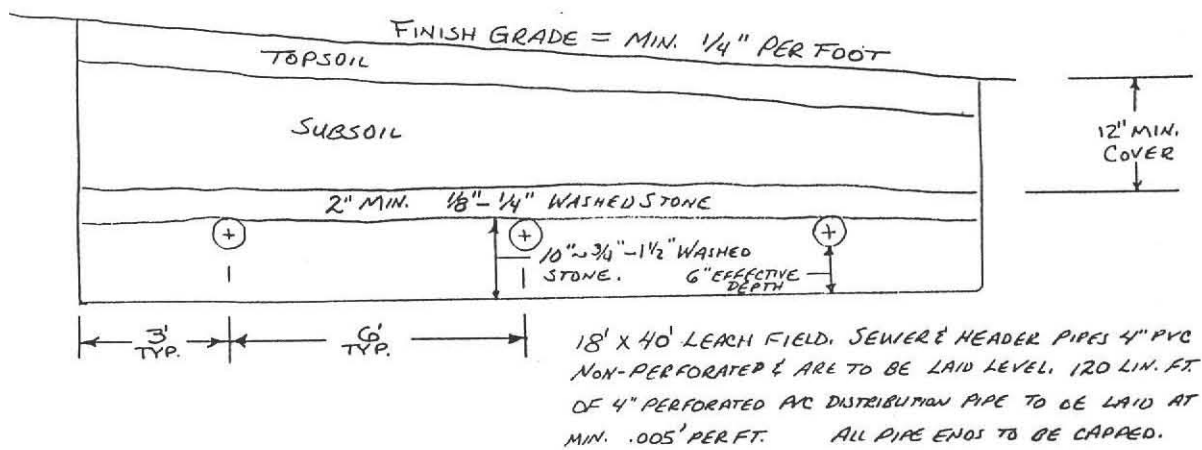
MINIMUM LEACH FIELD BOTTOM AREA = 660 x 1.0 = 660 SQ FT
 LEACH FIELD AREA SPECIFIED FOR THIS SITE = 18' x 40' = 720 SQ. FT.

SPECIFICATION: ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH MASSACHUSETTS D.E.Q.E. STATE ENVIRONMENTAL CODE TITLE 5.



SYSTEM PROFILE ~ SECTION PARALLEL TO FLOW

SCALE: HORIZ: 1" = 10' VERT: N.T.S.



LEACH FIELD PROFILE ~ SECTION PERPENDICULAR TO FLOW

SCALE: HORIZ: 1" = 3' VERT: N.T.S.



CHECK FOR FILL IN

Serpentine Pit No. _____ Diameter _____ Depth below inlet _____ Total leaching area _____ sq. ft.
 Other Distribution Box _____ Dosing tank () _____ Total leaching area _____ sq. ft.
 Percolation Test Results Performed by _____ Date _____
 Test Pit No. 1 210 minutes per inch Depth of Test Pit _____
 Test Pit No. 2 _____ minutes per inch Depth of Test Pit _____
 Description of Soil _____
SEE ATTACHED SHEETS
 Nature of Repairs or Alterations - Answer when applicable _____

October 20, 1986

Mr. Jeffrey Wood
 319 Leverett Road
 Amherst, MA 01002

Dear Mr. Wood:

Enclosed are five (5) copies of the septic system design for property on Route 116 in Amherst. As I understand the requirements, you need to provide four (4) copies along with the original "Disposal Works Construction Permit" to the Amherst Board of Health.

As you are aware, the lot is only marginally suitable for a septic disposal system, so will require the stripping of the top 30' of subsoil in the area of the leach field. A well-drained gravel is imported to fill from approximate elevation 94.0 to 95.7, to complete the system.

On the plan, I have located the disposal system as far to the north as required fill will allow and the house also as far South as maintaining a 30' setback from the road, this keeps the house 50 + feet from the wetlands area as you defined it for September 30.

The enclosed provides the required information for your review. Board of Health. If a broadened analysis becomes necessary, please contact me.

Truly yours,

Richard M. Scott

Richard M. Scott, P.E.

1 SET A T.B.M. REFER ALL ELEVATIONS TO IT.
 Take perc test @ elevation of leach system ±
 Check for ground water (2 deep holes, 10ft., 1 @ proposed 1 @ auxiliary)
 Sketch house, well, street, proposed tank & leach area, slope of ground, breaks, rough levels
 Locate any walls within 200' of test hole
 Saturate test hole 15 minutes min. (30 min Monsoon)
 Time for 10 minutes min. if over 10 min/in let set 30 min. time again
 Name of backhoe operator and/or Contractors name

BACKHOE #1 6' 1/4" #2 6' 1/4" PERC TEST HOLE DEPTH #1 44" #2 _____

loam	8"	9"
brown or yellowish dirt	17"	17"
other, estimate % of clay, silt, sand, etc.	Sand	Sand
to bottom of backhoe hole	thru 50"	

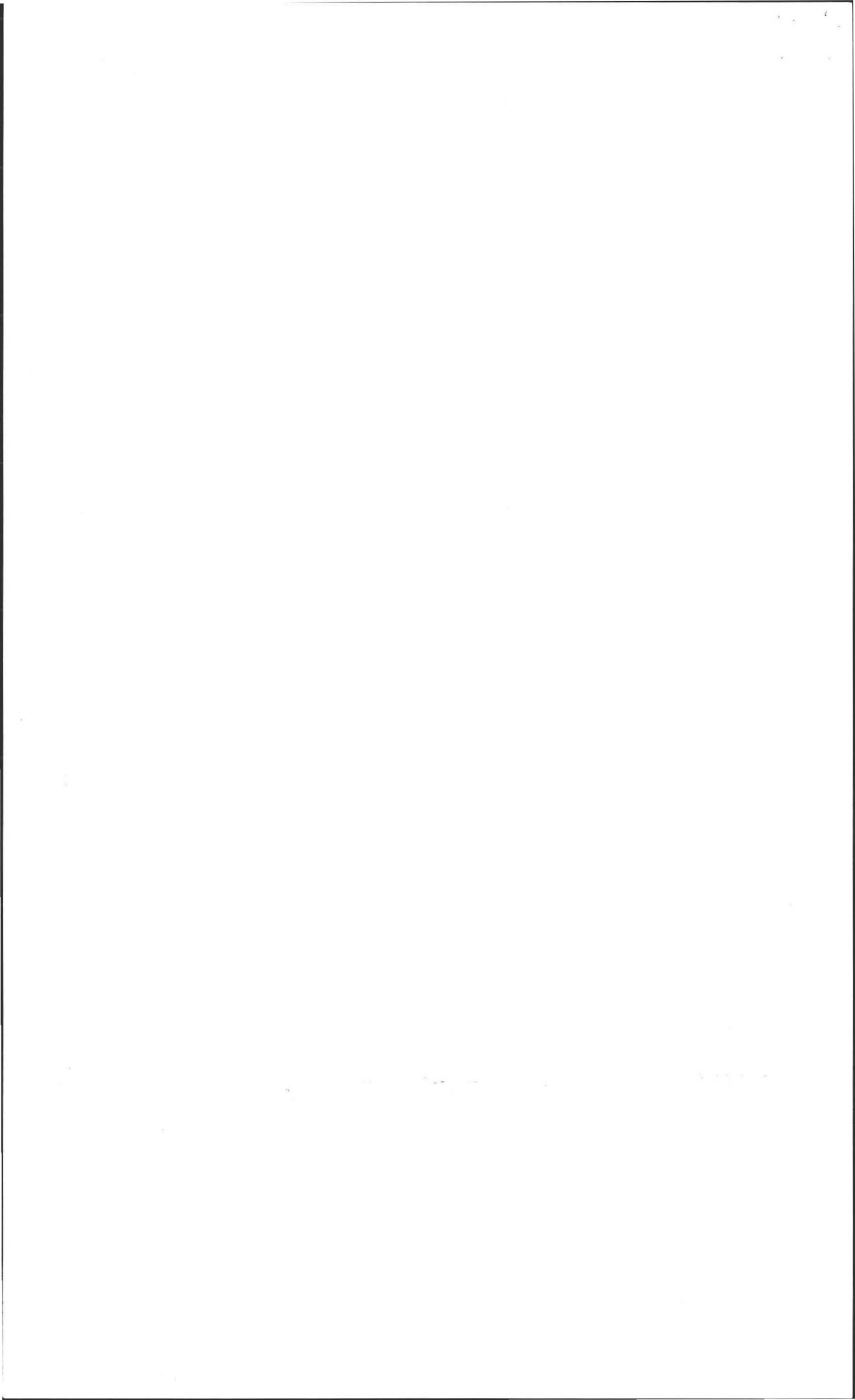
TEST @	TIME	MEAS.	TIME	MEAS.
"	9.27	12"		
"	9.56	12"		
"	10.00	9"		

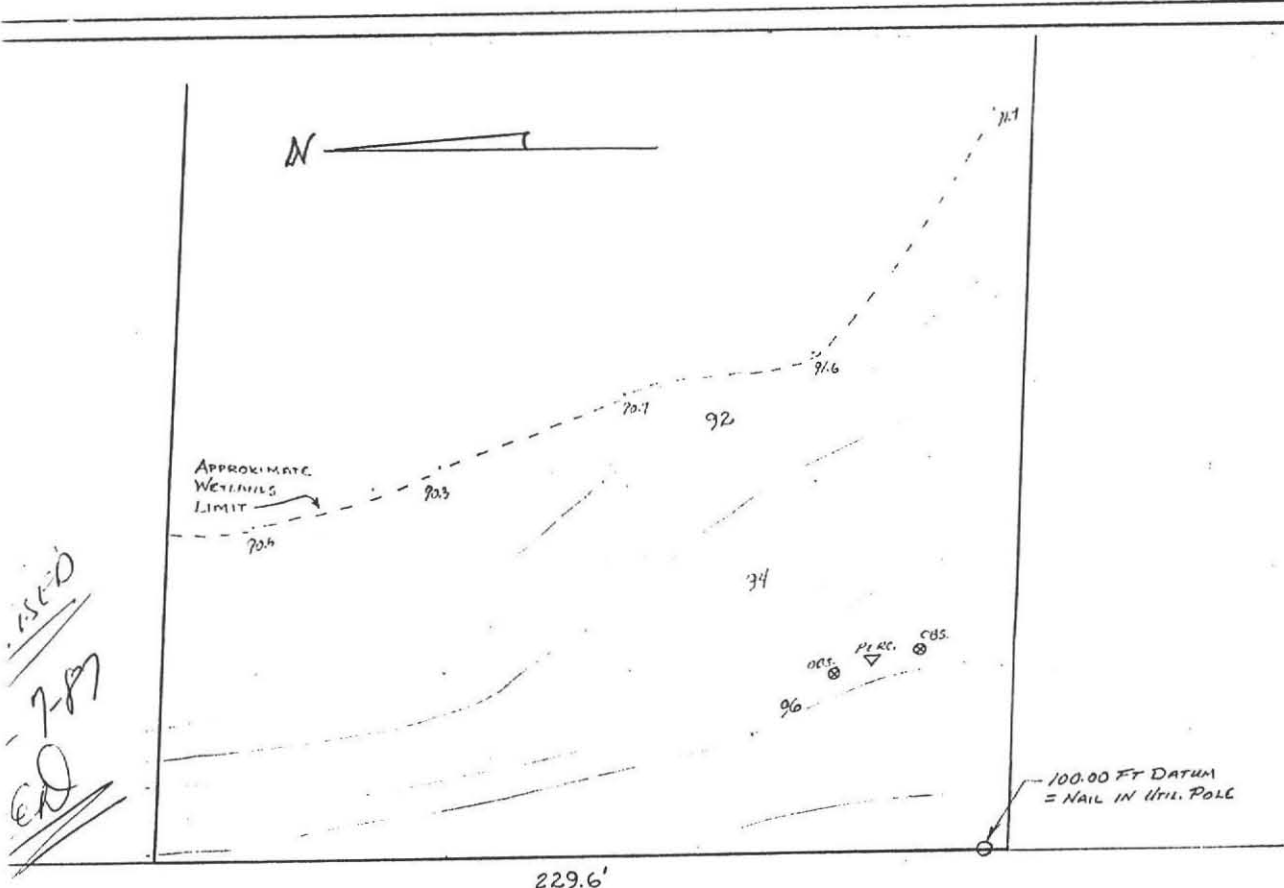
Descriptions	
boulder	12
cobble	3-1
coarse gravel	3/4-
fine gravel	1/4-
coarse sand	1/16-
medium sand	5/16-
fine sand	pass #

NOTES:
 DATE: 4/24/87
 BY: _____
 INSPECT: *Charlie Drake*
 BACKHOE: _____
 Test for clay & silt
 1. Roll a thread of soil in
 2) breaks or very weak -
 4) firm - clay.

This is 116 Rt. - Jeffrey Wood

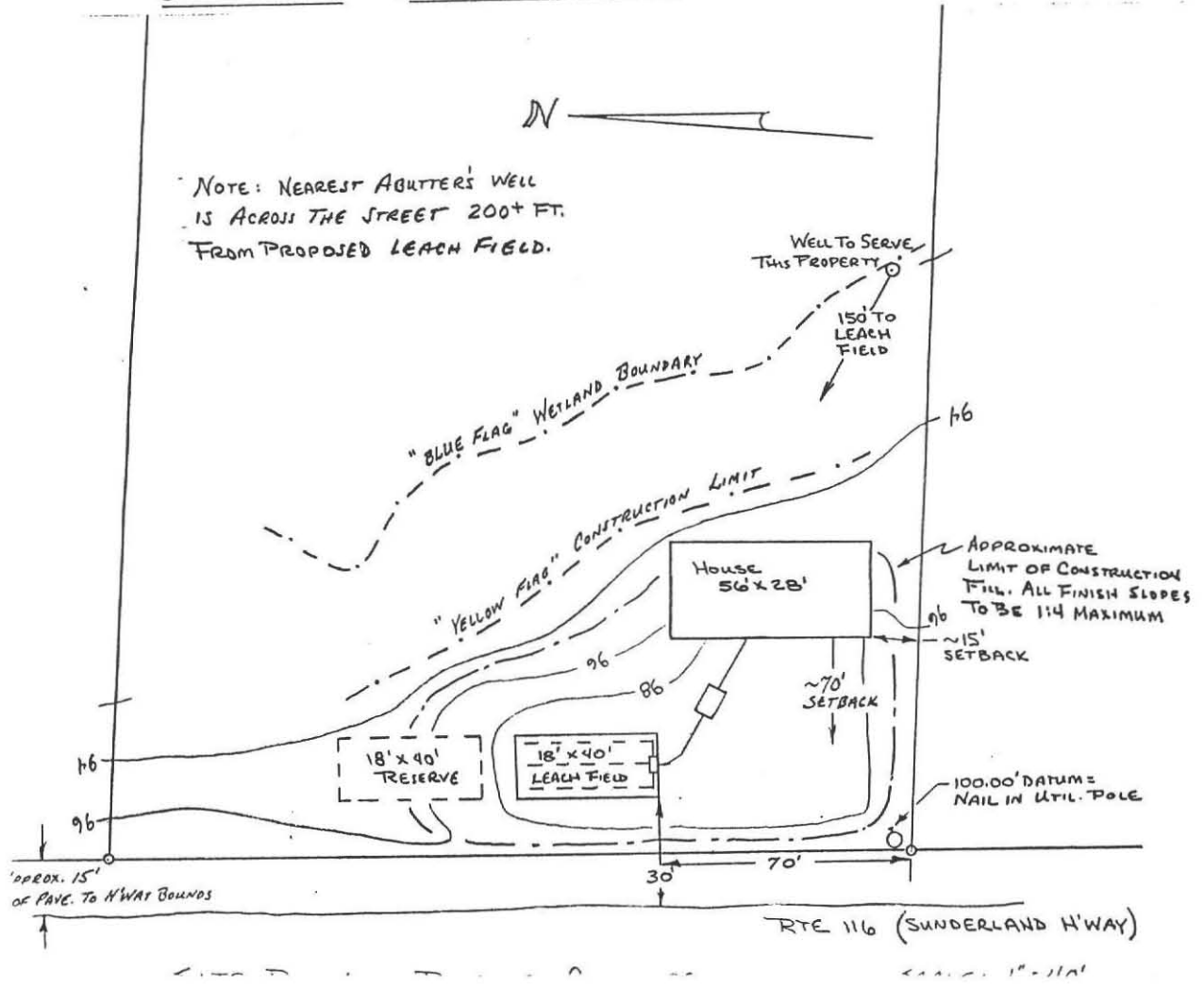
RMS/ged
 Enclosures

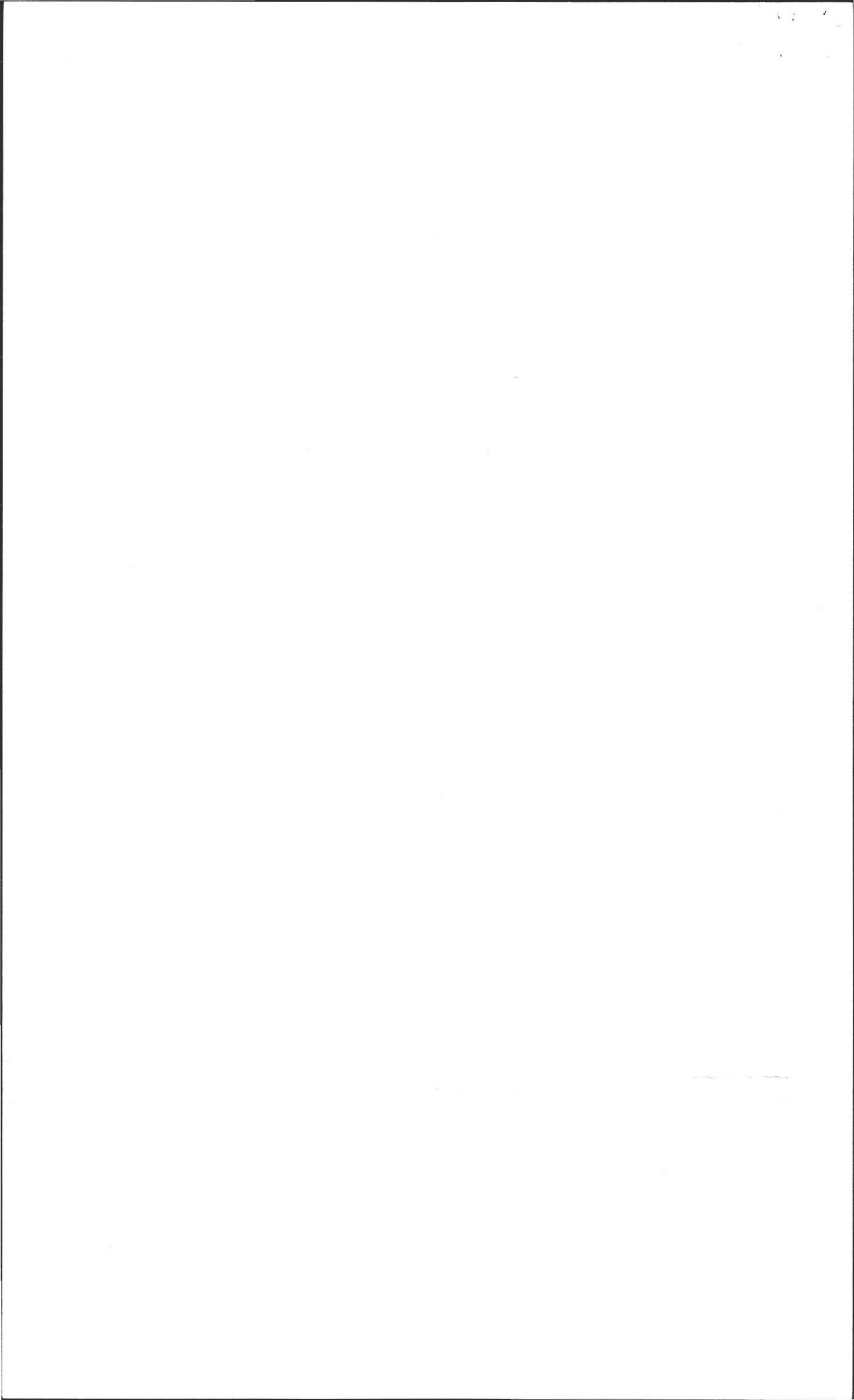


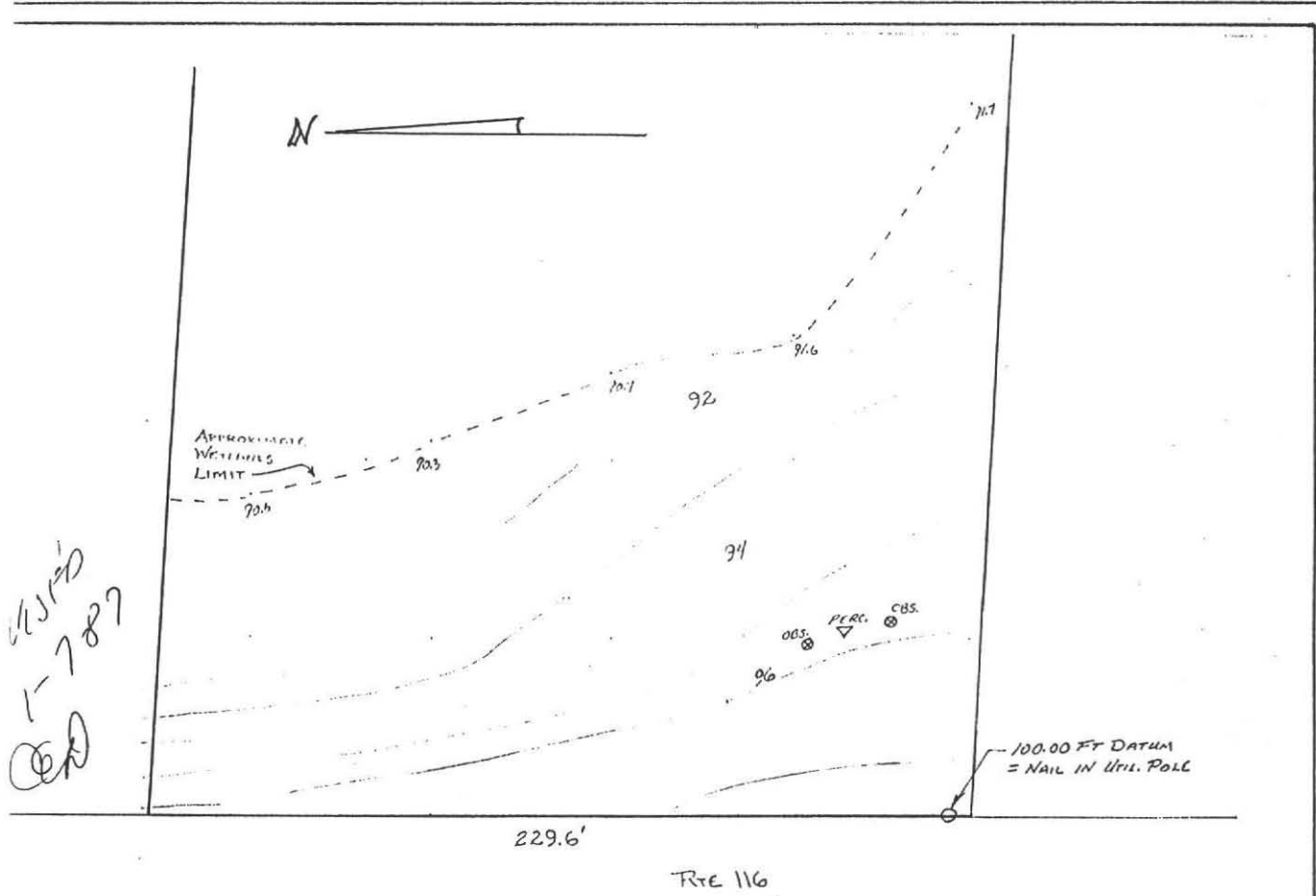


SITE PLAN - EXISTING CONTOURS

SCALE: 1" = 40'



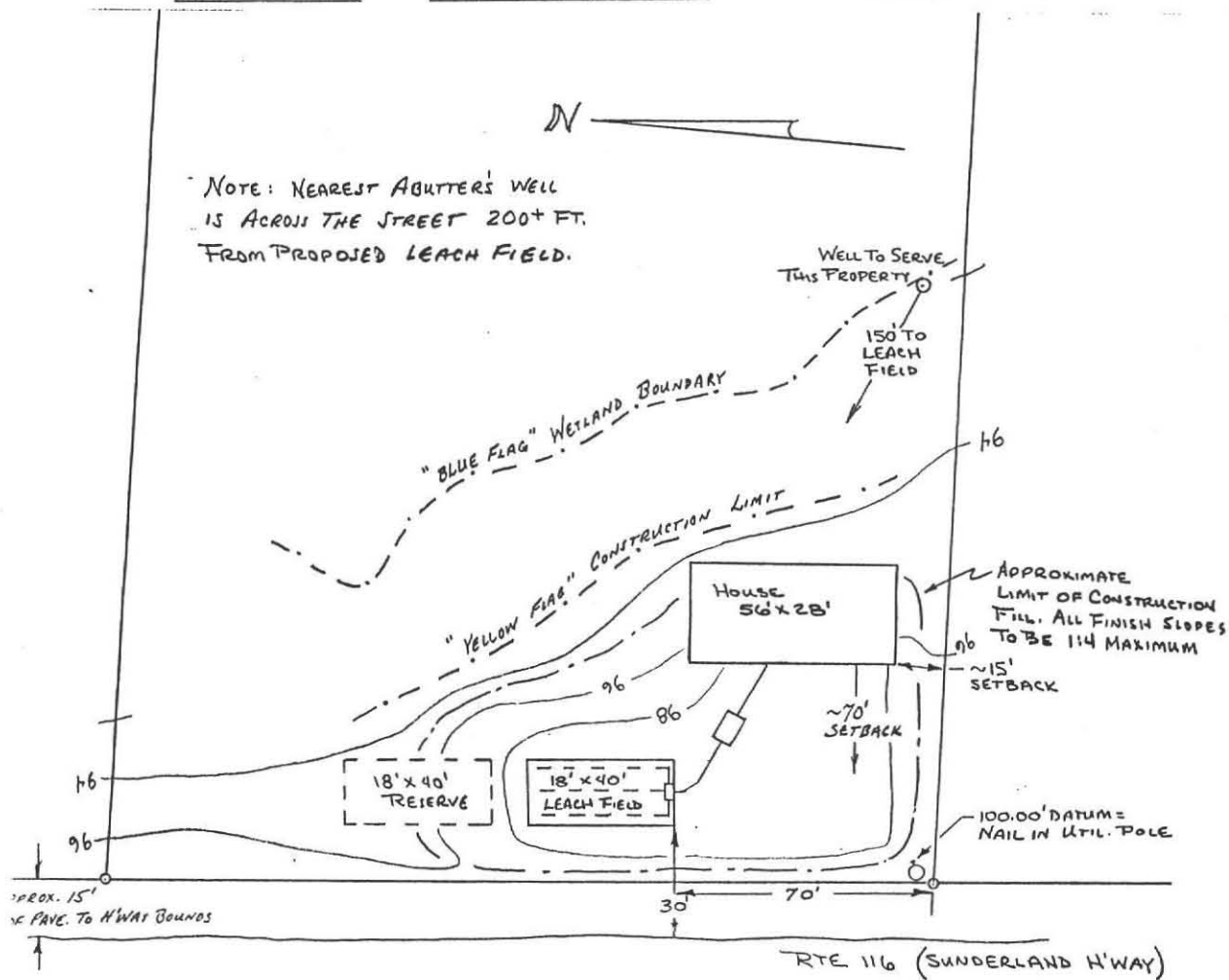


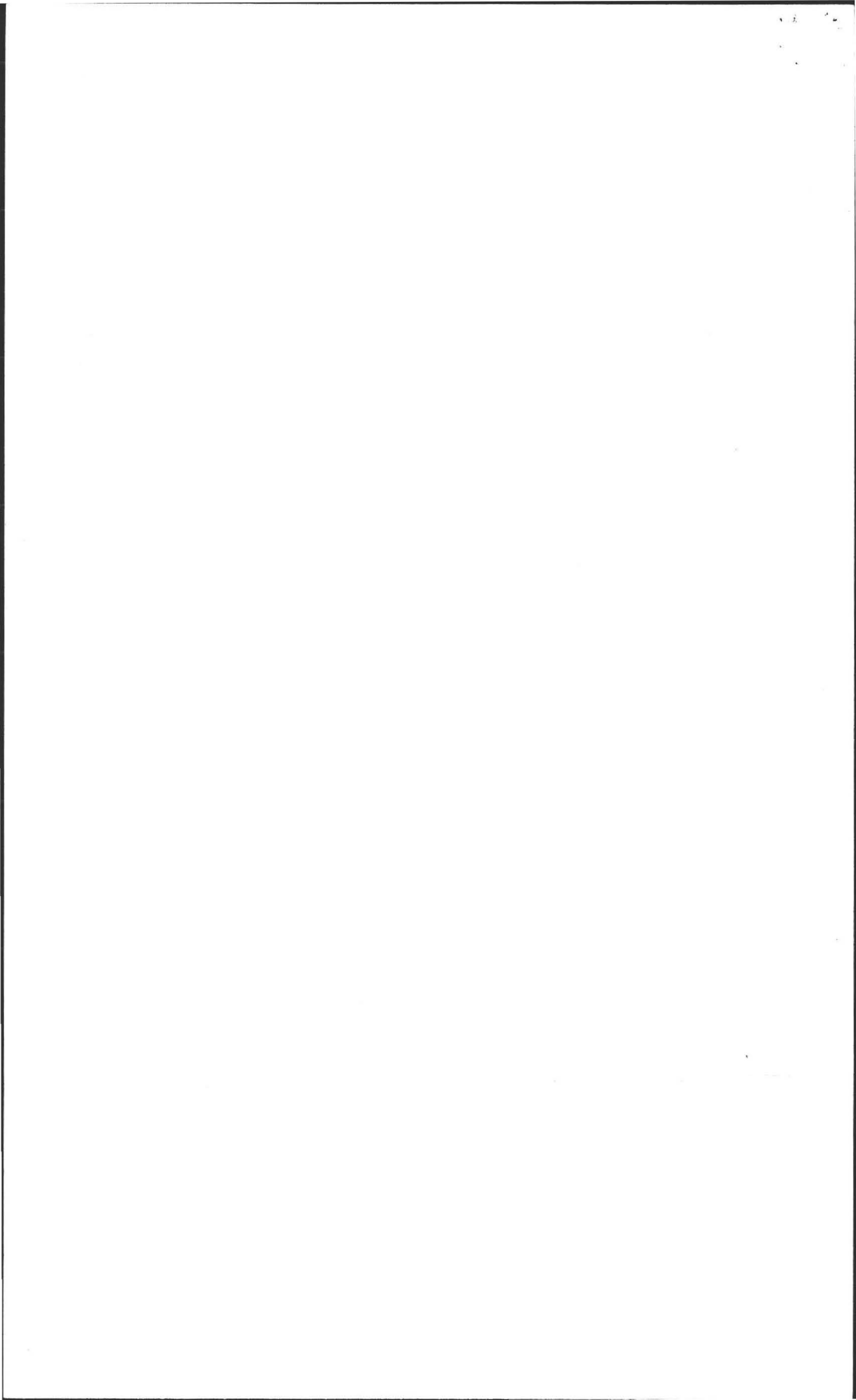


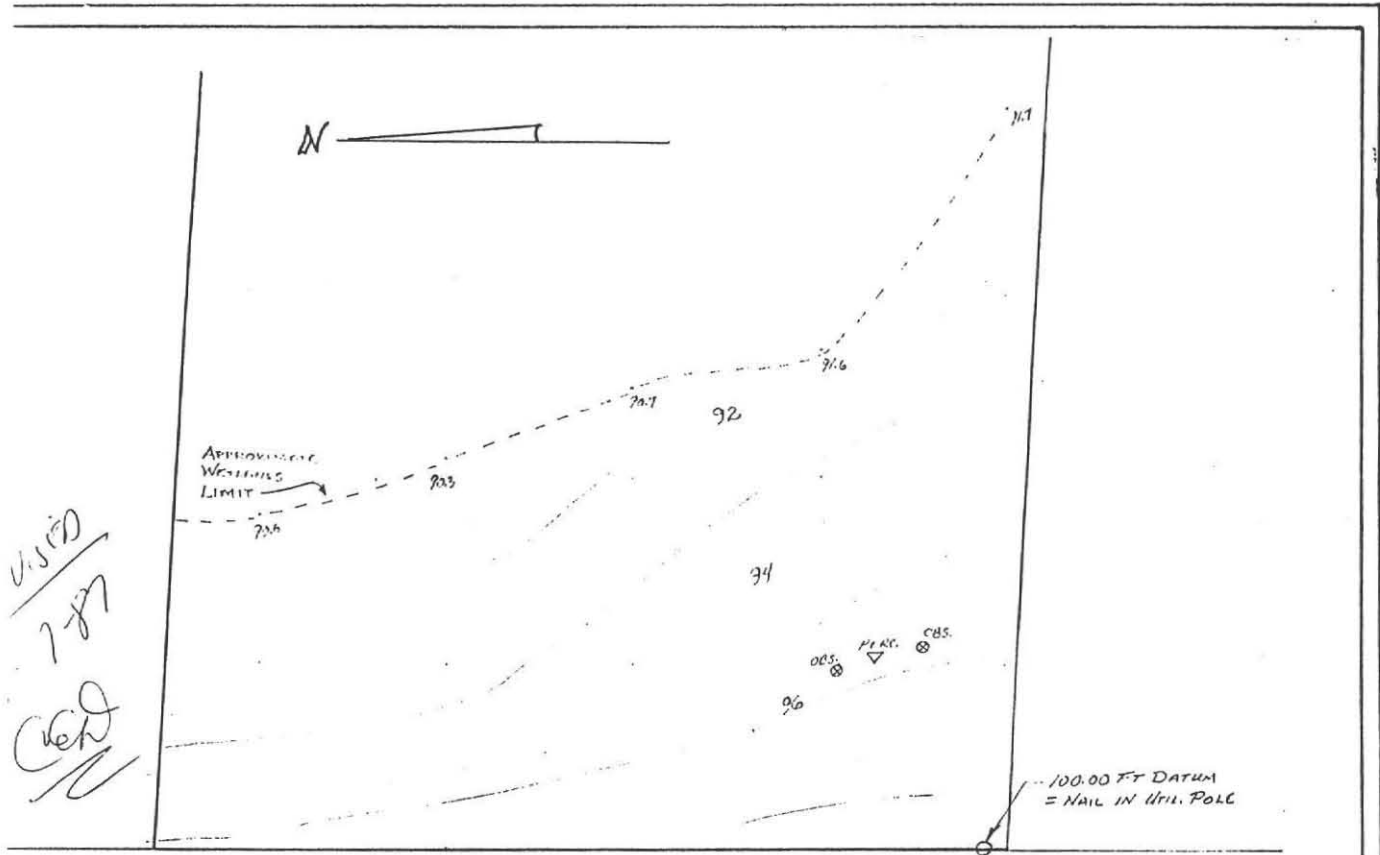
WSPD
1-787
CD

SITE PLAN - EXISTING CONTOURS

SCALE: 1" = 40'



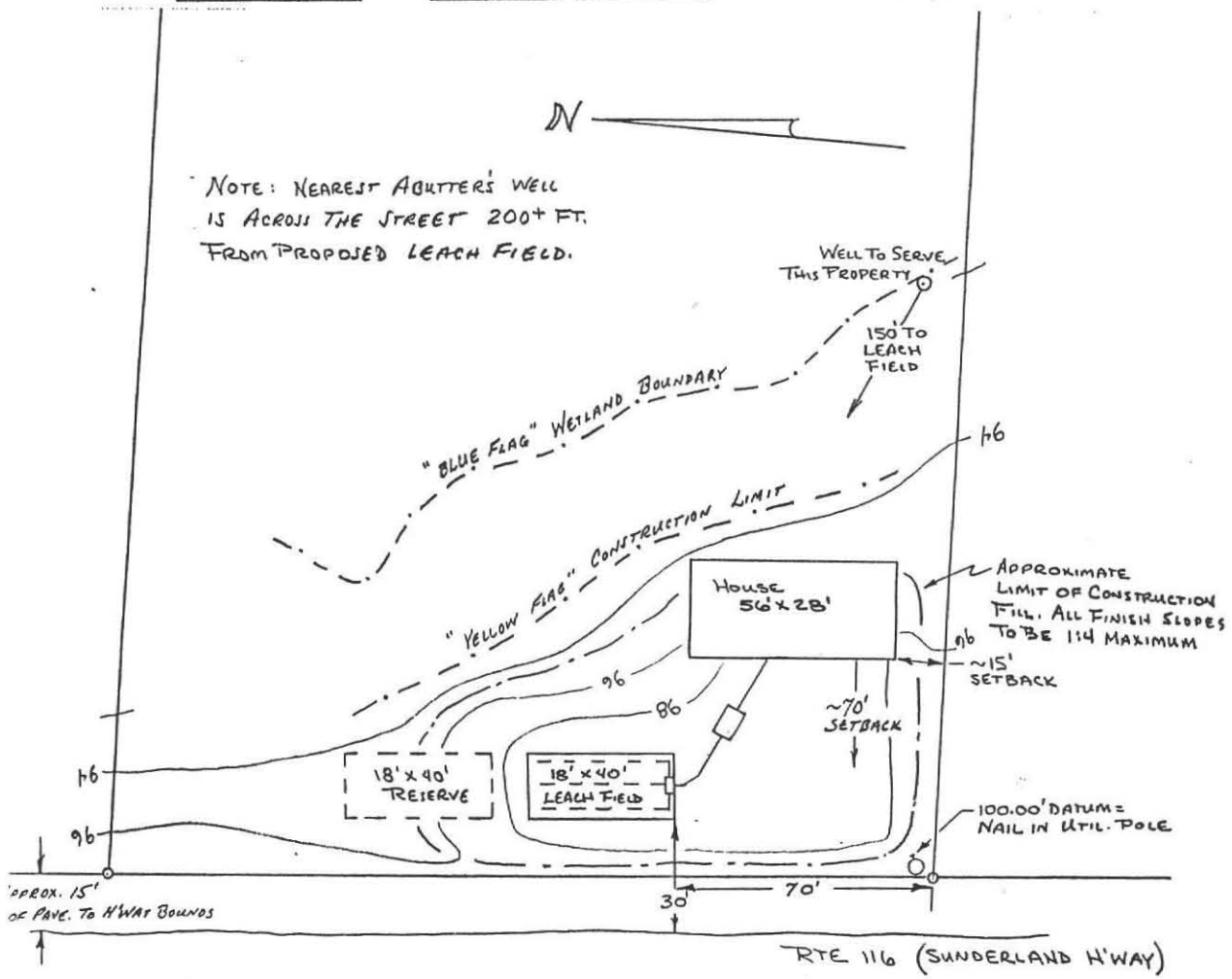




RTE 116

SITE PLAN - EXISTING CONTOURS

SCALE: 1" = 40'



SITE PLAN - PROPOSED CONTOURS

SCALE: 1" = 40'

