

No. 91-11

#117

FEE 60.00

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 (X) an Individual Sewage Disposal System at:

117 Middle Street Location - Address
Russ and Joan Weigel Owner
Karl's Excavating Installer
117 Middle St Address
Hadley, Ma. Address

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

Design Flow 110 gallons per person per day. Total daily flow 330 gallons.
Septic Tank - Liquid capacity 1500 gallons Length Width Diameter Depth
Disposal Trench - No. Width Total Length Total leaching area sq. ft.
Seepage Pit No. Diameter Depth below inlet Total leaching area sq. ft.

Other Distribution box (X) Dosing tank ()
Percolation Test Results Performed by Walter Schwarz Date Aug 6, 1991
Test Pit No. 1 6.0 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 0-12" Sandy loam topsoil, 12-24" medium sand
NO subsoil 24"-96" med. sand with pebbles, trace silt.
IRREG. wide spread nodules below 36", 96" REFUSAL PARCOSE

Nature of Repairs or Alterations - Answer when applicable
REPLACE Failed Leaching area

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 Joan R. Weigel 8/26/91

Application Approved By VARIANCE GRANTED BY BOARD OF HEALTH 9/25/91
DATE 9/25/91

Application Disapproved for the following reasons:
Permit No. 91-11 Issued Date

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town OF Amherst

Certificate of Compliance

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed () or Repaired (X) by KARL'S EXCAVATING

at 117 Middle Street Installer
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. 91-11 dated

THE ISSUANCE OF THIS CERTIFICATE SHALL NOT BE CONSTRUED AS A GUARANTEE THAT THE SYSTEM WILL FUNCTION SATISFACTORY.
DATE 10/22/91 Inspector P.E.

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town OF Amherst

Disposal Works Construction Permit

Permission is hereby granted Russ and Joan Weigel
to Construct () or Repair (X) an Individual Sewage Disposal System
at No. 117 Middle Street Street

as shown on the application for Disposal Works Construction Permit No. 91-11 Dated 9/25/91
DATE 9/26/91 Board of Health

CHECK OR FILL IN WHERE APPLICABLE

1112

Page 11

Town of



AMHERST

Massachusetts

Bettye Anderson Frederic, Director

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

September 13, 1991

To: Bettye Anderson Frederic

From: David Zarozinski *DZ*

Re: Variances for Failing Septic System at 117 Middle Street,
Amherst

On September 10, 1991, I reviewed the septic system plan that was submitted by Mr. and Mrs. Russ Weigel and prepared by Mr. Walter Schwartz of C.T. Male.

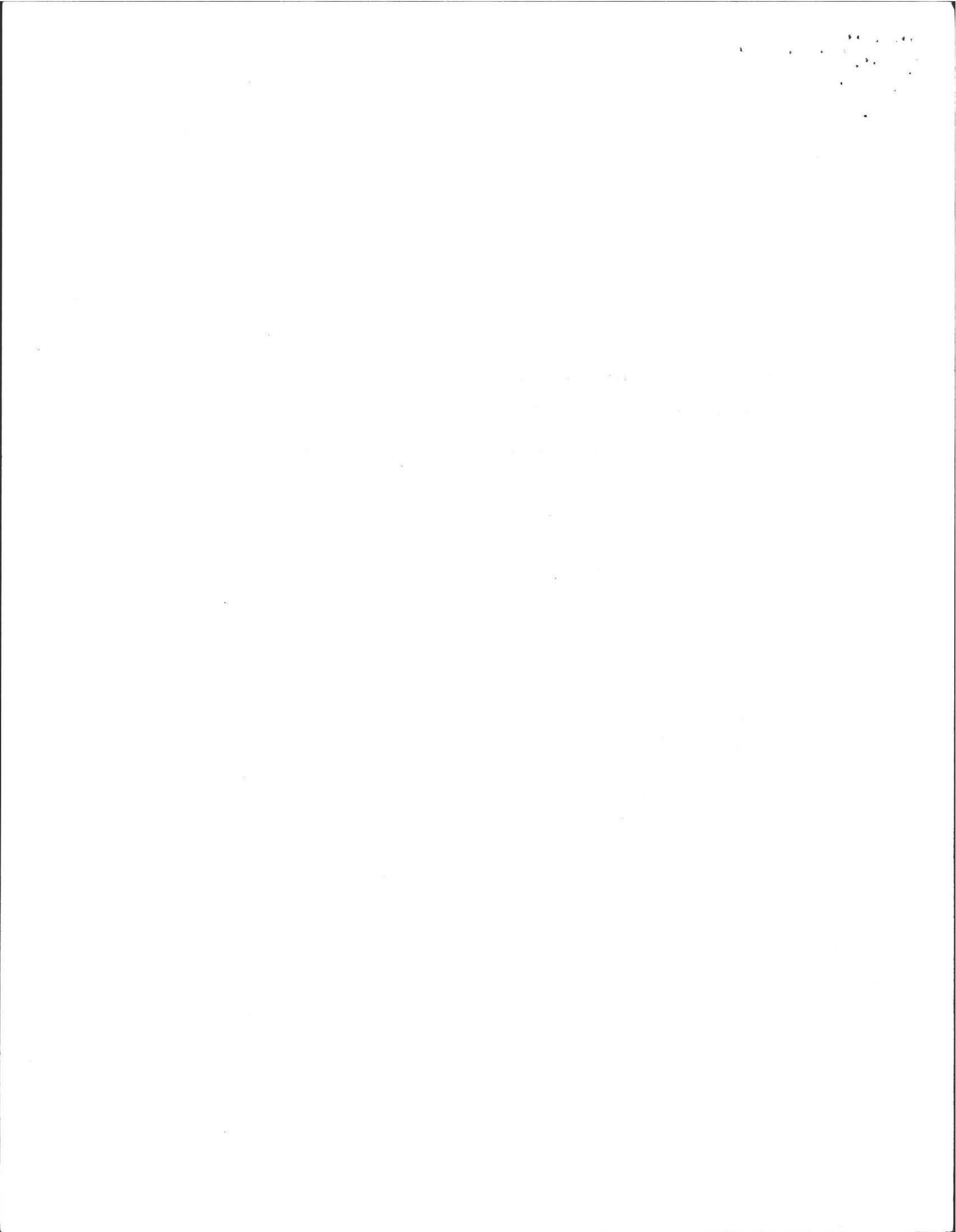
In order to repair this system, the Weigels need variances to the Town of Amherst Amendments to Title V of the State Environmental Code.

Town Requirements:

1. Section 2 - General Requirements - Reference 15.02 (13). Town requires the size of the leaching area: not to be less than 1 1/4 times the minimum area as determined by the state calculations.
2. Distances - Reference 15.03 (7). Private sewage disposal systems shall not be located nearer than 100 feet from any watercourse, stream or pond.

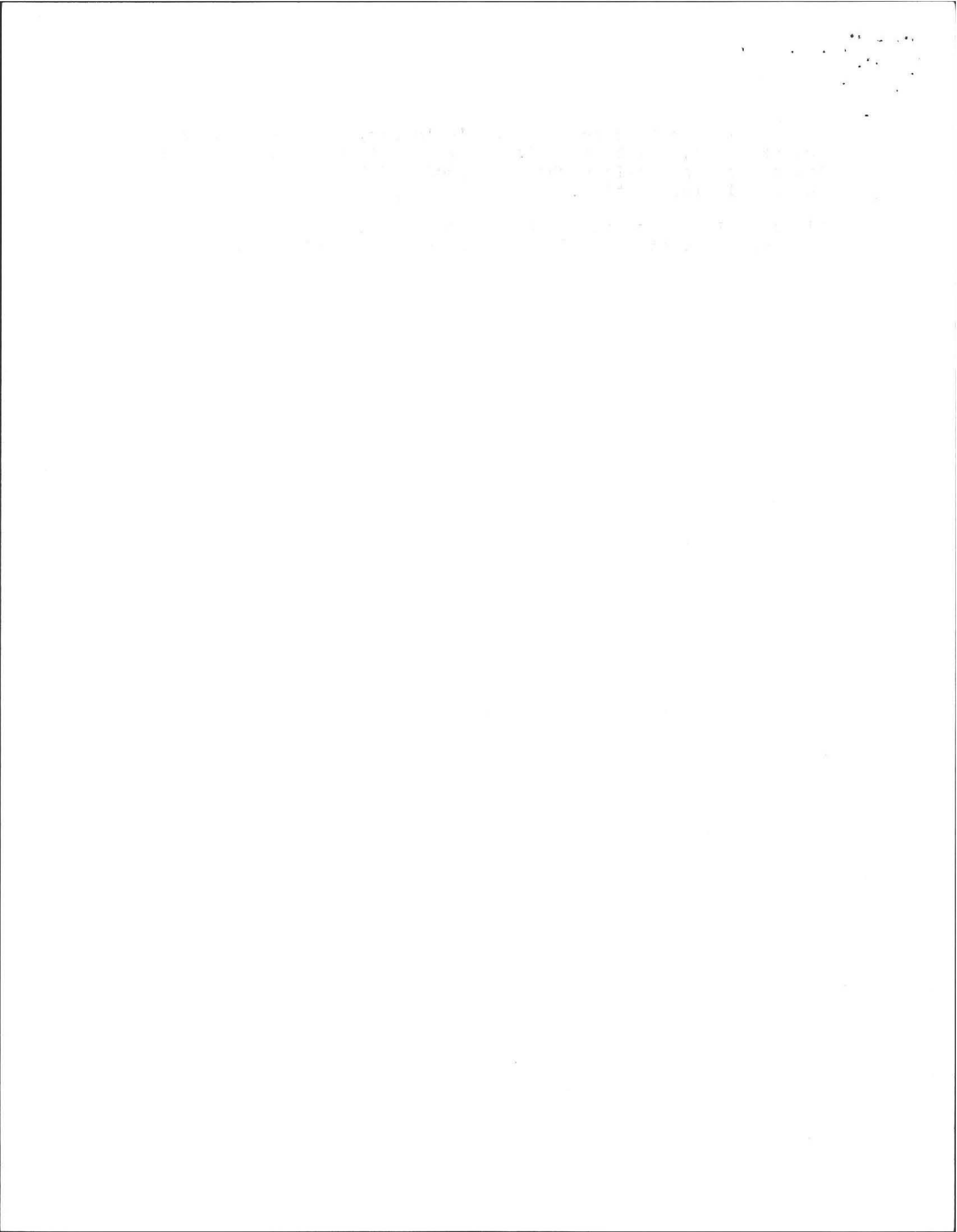
It is my opinion that the size and distance of this system can meet the requirement of the Environmental Code of the Commonwealth of Massachusetts and that no health or environmental harm will be done in allowing these variances.

My only concern is that the engineer (Walter Schwartz) made note of oxide stains in the deep holes. In the past, I have used the oxide stain as a means of high water table. If we use the 3 foot oxide stain as a guide, than this septic system plan can not be approved as designed. If we use Professor Veneman's data, the system can be installed and only the Town variances noted would have to be adressed.



In addition to Professor Veneman's letter, I called Mr. Larry Golonka of D.E.P. to get his input on this matter. He stated Professor Veneman is highly regarded and he would not hesitate to use his information.

Finally, I have reviewed the Middle Street area and have enclosed some of the soil testing and perc tests that were done.



8/25/88 Repair

236 Middle Street

Rate 8 Minutes per inch

Deep Hole - 7" top soil fill to 44" Top soil 51" firm till,
medium sand with some gravel 108", Till fine sand silt and clay
132". No groundwater on this date.

5/6/69

Middle Street (Corner of So. Orchard Drive)

Groundwater 5'. Perc rate 10 minutes per inch

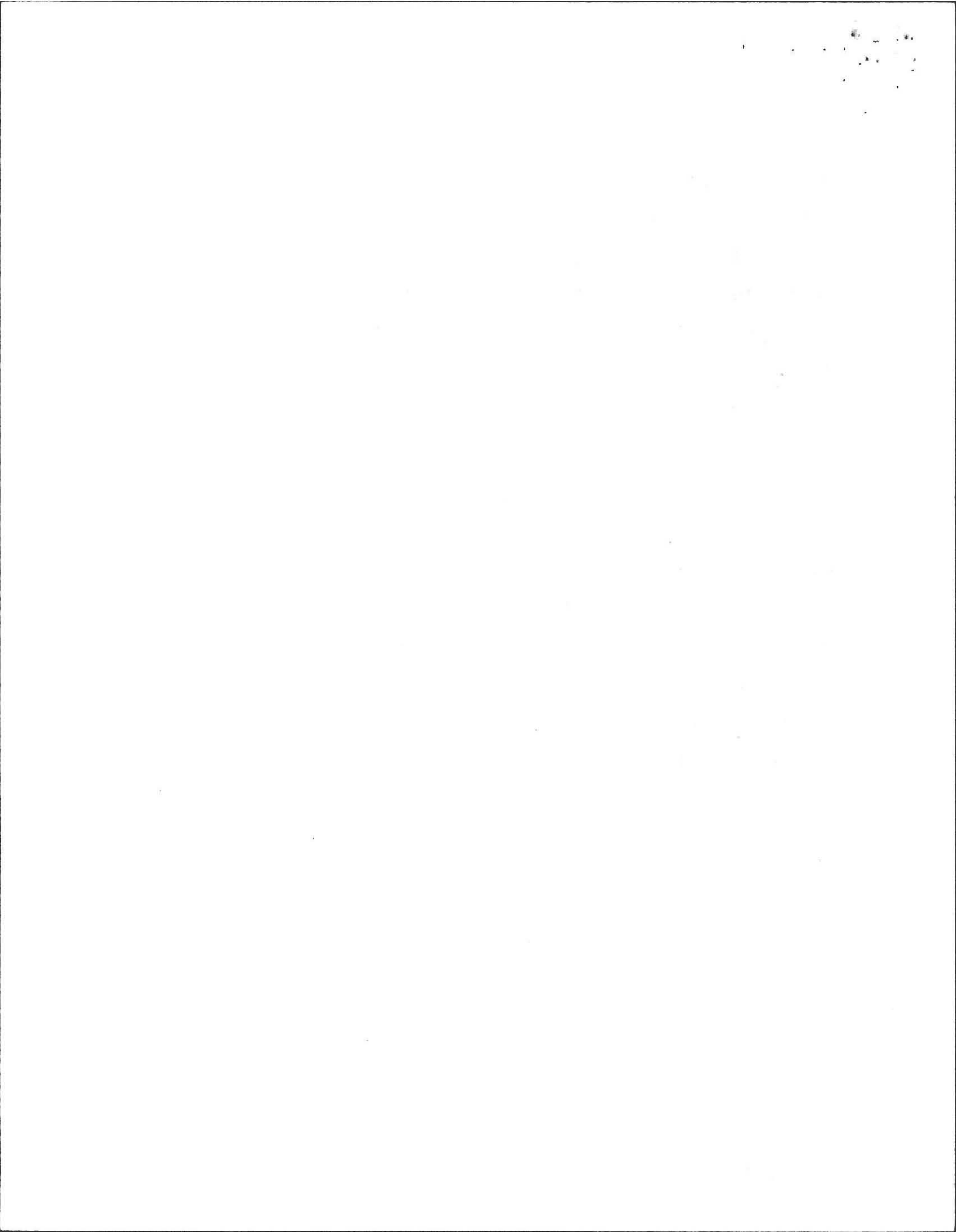
No Deep Hole information

3/1/76

94 Middle Street

Depth to groundwater 7' 6". Perc rate 2 minutes per inch

No Deep Hole information



Plan # 91-11
9 miles

TOWN OF AMHERST

Russell H Weigel
Joan Weigel
CH # 0590
Pd 160.00

PERC TEST DATA SHEET

DATE 8/6/91 LOCATION 117 Middle Street LOT SIZE _____

OWNER Russ/Joan Weigel ADDRESS 117 Middle Street TELE # 253-7014

P.E./RS Walter Schwartz FIRM C.T. MALE OBSERVED BY David Zarnowski

BACK HOE OPERATOR Harl's TELE _____ BENCH MARK _____

PERC DEPTH 40" PRE SOAK TIME 8:15-8:30 PERC DEPTH _____ PRE SOAK TIME _____

TEST 12" 8:30 6" 8:52³⁰ _____

9" 8:37 _____

8" 8:41 _____

7" 8:46³⁰ _____

RATE (6) RATE _____

#1

#3

TOP 12"
med Sand NO SUB 24
OXIDE 36"
med Sand cobblestones Some Silt

TOP 12"
med Sand NO SUB 24
OXIDE 36"
Same

DRY 96"
Refusal

Refusal 78"
(Lodge shale)

TOP
SUB

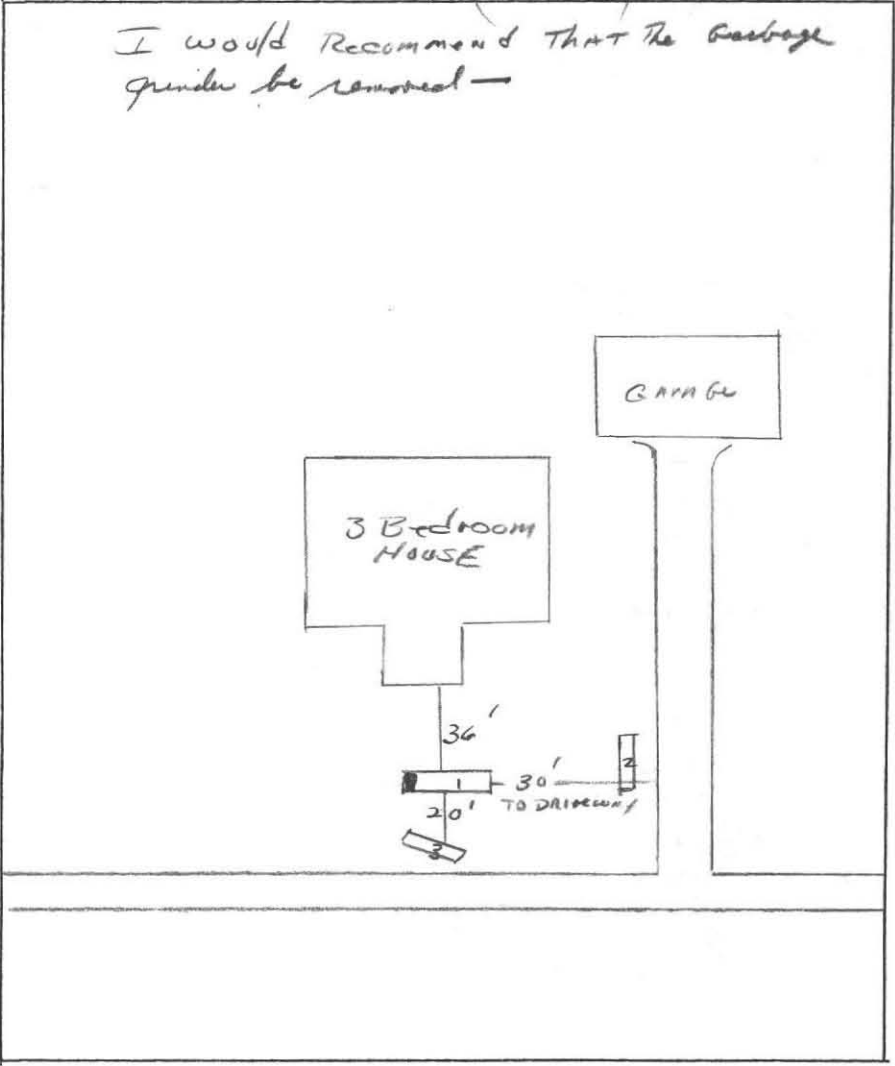
TOP
SUB

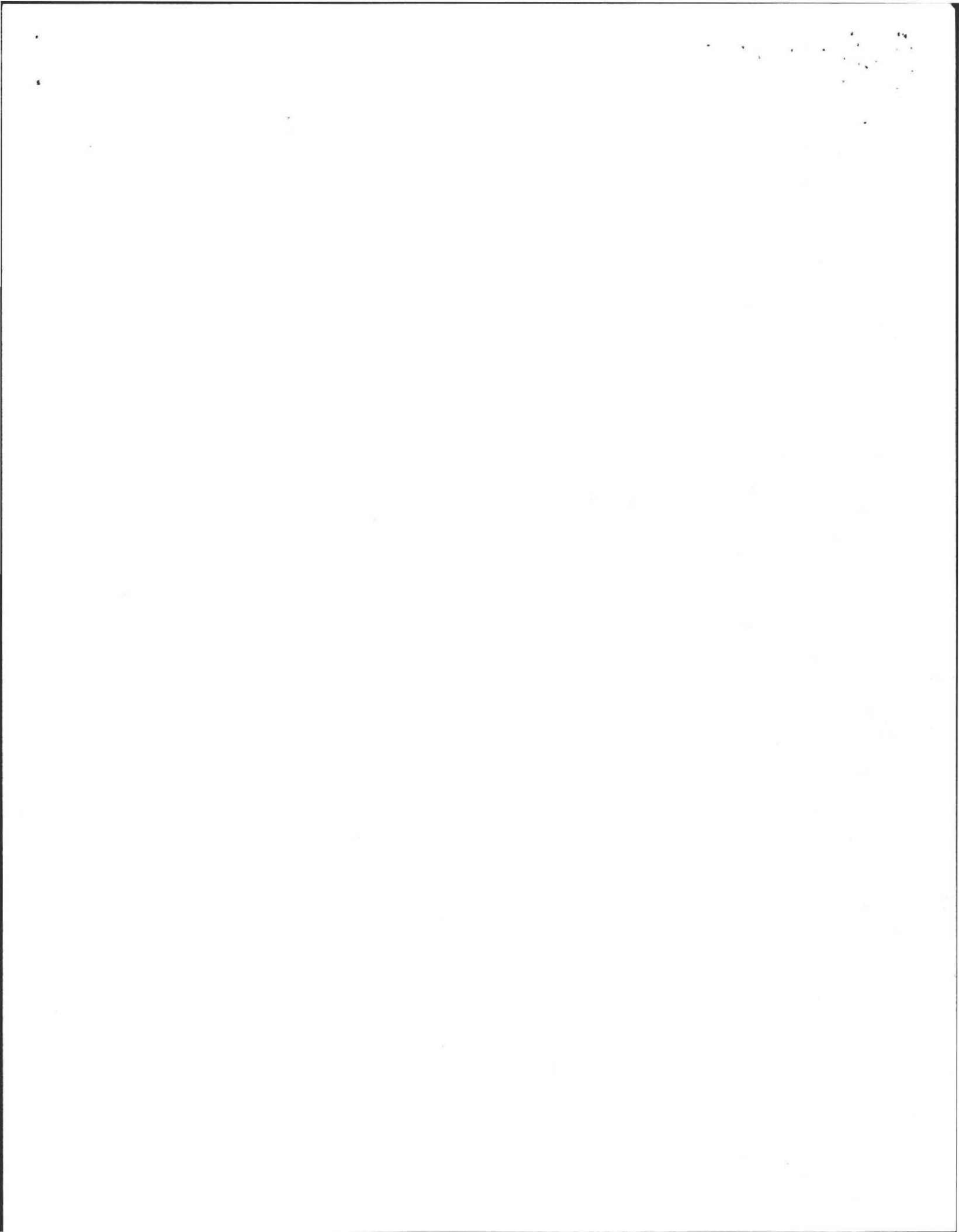
TOP
SUB

TOP
SUB

GARBAGE GRINDER (MUST) Be Removed

I would Recommend That The Garbage grinder be removed -







UNIVERSITY OF MASSACHUSETTS
AT AMHERST

Department of Plant and Soil Sciences

Environmental Sciences
Stockbridge Hall
Amherst, MA 01003
(413) 545-2349

September 8, 1991

Ms. Joan Weigel
117 Middle Street
Amherst, MA 01002

Dear Joan:

As per your request, I visited lot 117 Middle Street located in Amherst, Massachusetts on September 2, 1991 to evaluate the soil conditions for on-site sewage disposal purposes.

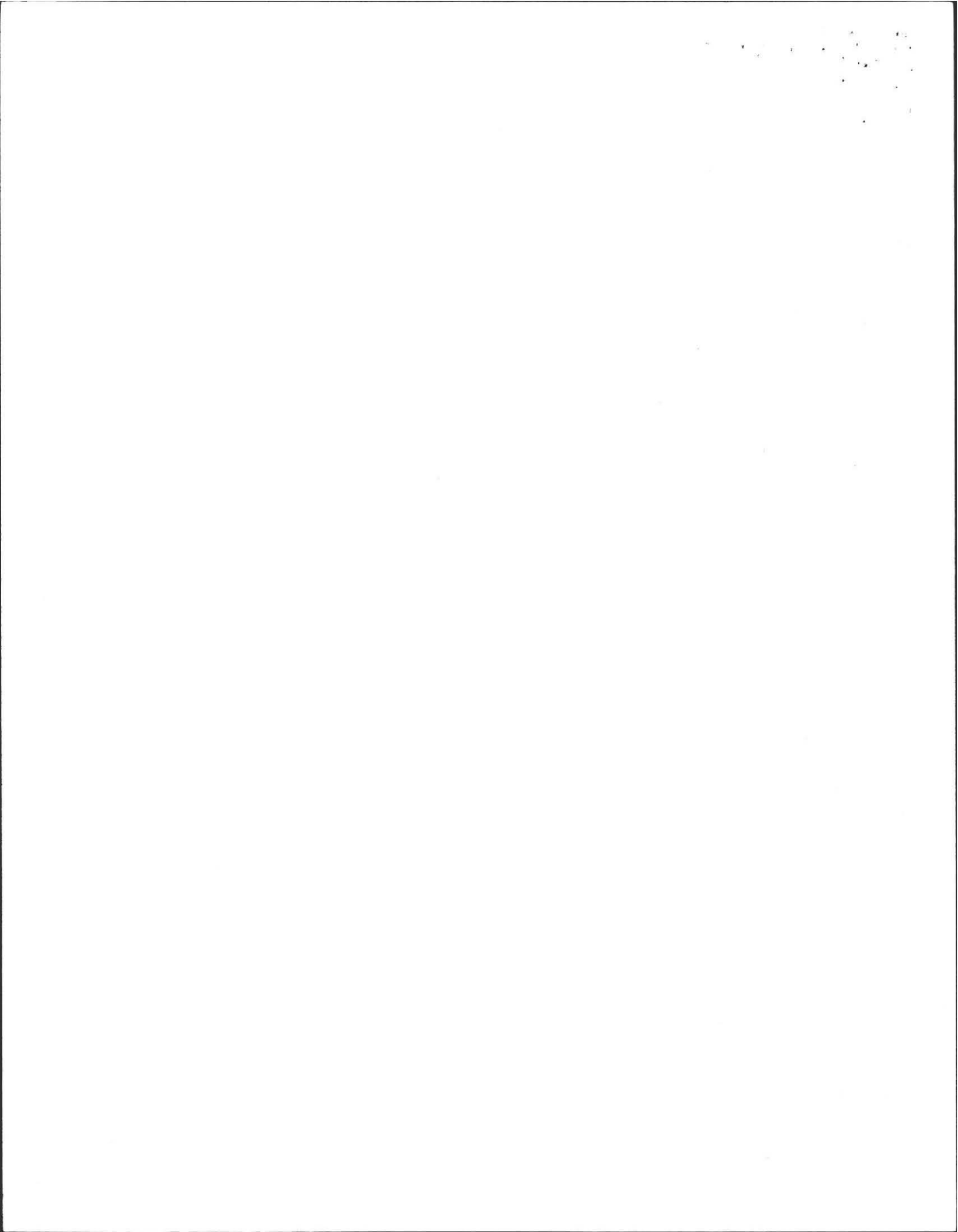
The evaluation pit was excavated immediately adjacent to the previous deep test hole. The pit reached a depth of about 5 ft. At a depth of about 4.5 ft the presence of a dense substructure (Cd horizon) was observed. The geologic origin of this material is basal till, whereas the not as dense overlying soil is developed in melt-out till with a windblown component mixed in. The Cd horizon at this location could be 30-40 ft thick.

Given the landscape position, this horizon may be saturated during the spring when snow-melt and precipitation exceeds the permeability of this layer and the water moves laterally over the pan in a downslope direction. The proposed system's location being at the upper footslope position, I would expect a considerable amount of water at 4.5 ft and below during the wet season. The fairly sandy nature of the pan provides for considerable drainage during drier periods and the soil morphology does not indicate significant wetness during those seasons. The sandy texture and lower density together with the uniform brown color of the overlying horizons indicates that these layers are not saturated at any time during normal years. Low chroma mottling (gray colored patches) was observed in the Cd horizon, although not in great abundance, indicating that saturation at that depth (4 to 4.5 ft) occurs during the early part of the growing season during normal years.

Feel free to call me if you have any questions or comments.

Sincerely,

Peter L.M. Veneman
Professor of Soil Science



SEP 09 1991

TO: The Amherst Board of Health

RE: Repair of a private septic system
117 Middle Street
South Amherst, MA

FROM: Russ and Joan Weigel, owners
253-7014

We request 2 variances from the Amherst Board of Health with regard to Amherst Board of Health Regulations Title V Amendments Subsurface Disposal of Sanitary Sewage New and Existing Systems Section 2(a) General Requirements Volume of Sanitary Sewage (15.02 (13)) - - size of leaching field shall be at least 1.25x Title V Requirements. Full Title V area will be provided. The reason for the variance request is as follows;

The proposed location of the new system is sited in the only soils that provide a good perc rate and in an area that will assure a healthy functional system. This site is located between the house and the property line along Middle Street. Because of these physical constraints and poor soils south of this area, the size of the system can not meet the 1.25x size requirement according to the Amherst Board of Health.

Section 3 - Location

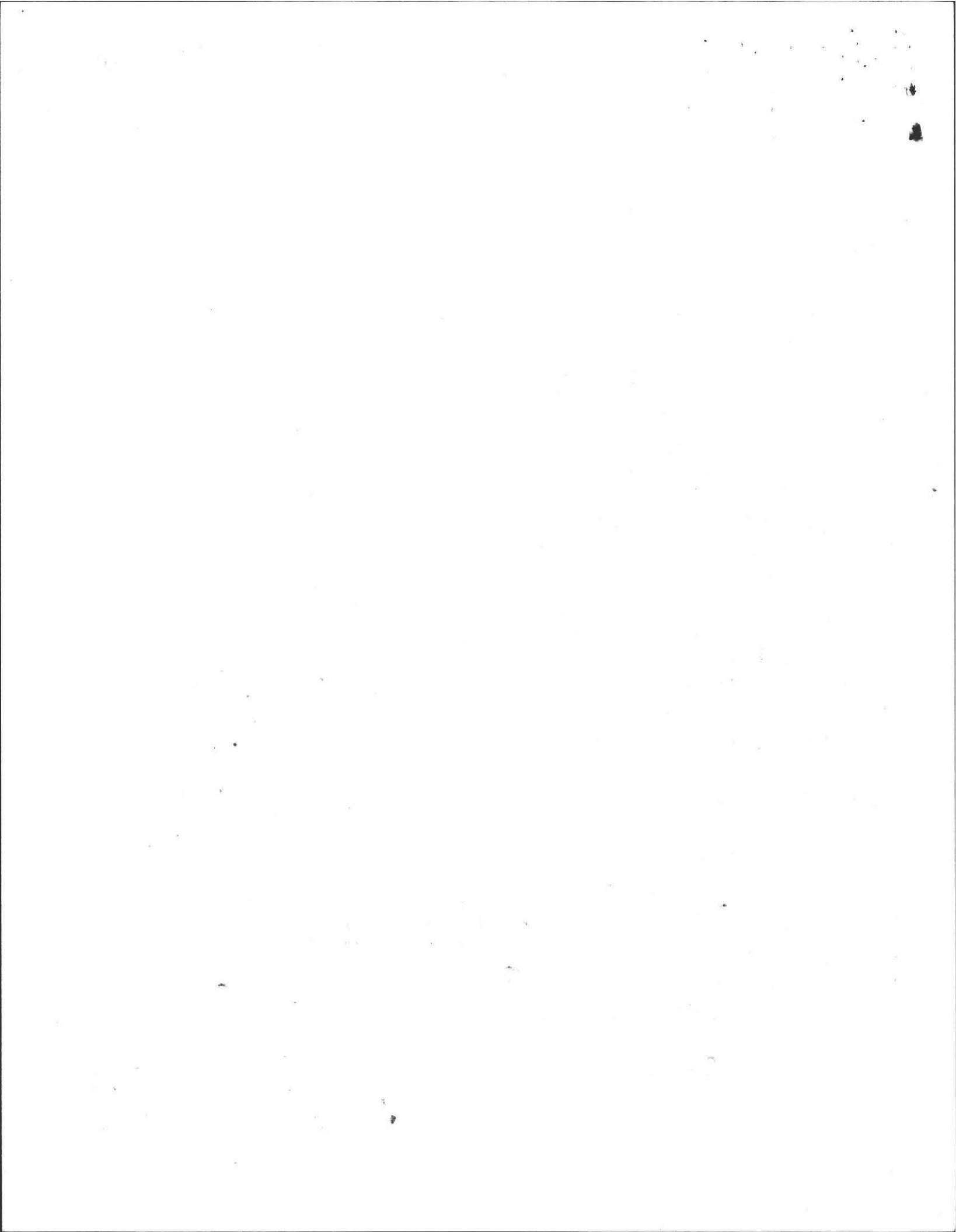
d. Distances (reference 15.03(7))

Private sewage disposal system shall not be located nearer than 100 feet from any watercourse, stream or pond. The proposed sewage disposal system is 94' at the southwest corner. This is the closest that the system gets to the existing wetlands that border a seasonal drainage ditch

The reason for the variance request is as follows;

The area available to provide for a healthy functional disposal system is located in front of the house property line and house set back requirements, suitable soils and environmental concerns resulted in this area being the only available area for the repaired system to be.

Joan R. Weigel 9/10/91



SEP 09 1991

LIST OF ABUTTERS WITHIN 300 feet of Property

Assessor's Map 23B

Parcel

- 57 Carol A. Kaminsky
101 Middle St.

- 2 Jeanne Espesito and George Kanas
71 Middle ST.

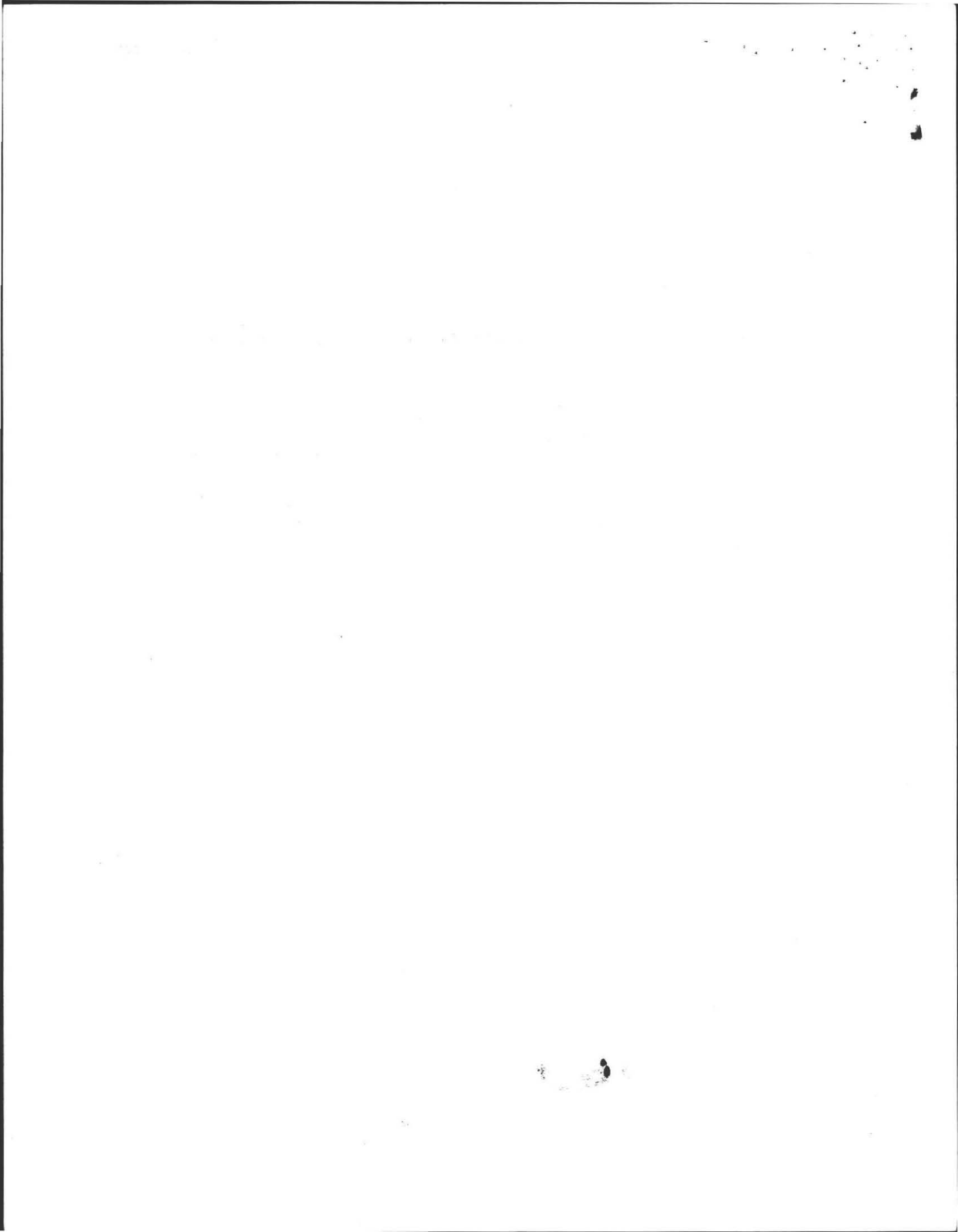
- 17 Robert N. Nakosteen
94 Middle St.

- 44 Virginia and Fran Downie
18 116 Middle St.

- 19 Daniel John Greaney, Trustees of
124 Middle St.

- 73 Walt and Sue Nicholson
131 Middle St.

- 21 Audrey J. and Charles E. Lehane Jr.
140 Middle St.



September 6, 1991
14 Weatherwood Road
Amherst, Ma. 01002
548-9598

Re: 117 Middle Street, Amherst
Subsurface Sewage Disposal System

To Whom It May Concern:

I have been asked to document the current status of the septic system which serves the Weigel Residence at the above address. The house is being sold and issues surrounding the replacement of the system are of potential concern to the buyers.

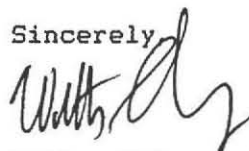
The system has been in a failure condition for over a year. This is a term used to describe a situation where some aspect of the system is not performing as designed. In this case, the leaching area (bed) is not absorbing water as fast as is needed to prevent water appearing at the ground surface. This is most likely due to progressive clogging of the bed over the time that it has been used and is a natural and expected occurrence.

Efforts are underway to obtain approval for the construction of a new system from the Amherst Board of Health. Soils testing conducted in late August confirmed an area, located to the east of the house, that has much more permeable soils than those that exist in the area of the existing, failed bed. It is reasonable to expect that the Board will approve the plans that were submitted, and that a replacement bed constructed in this area will function even better than the old one.

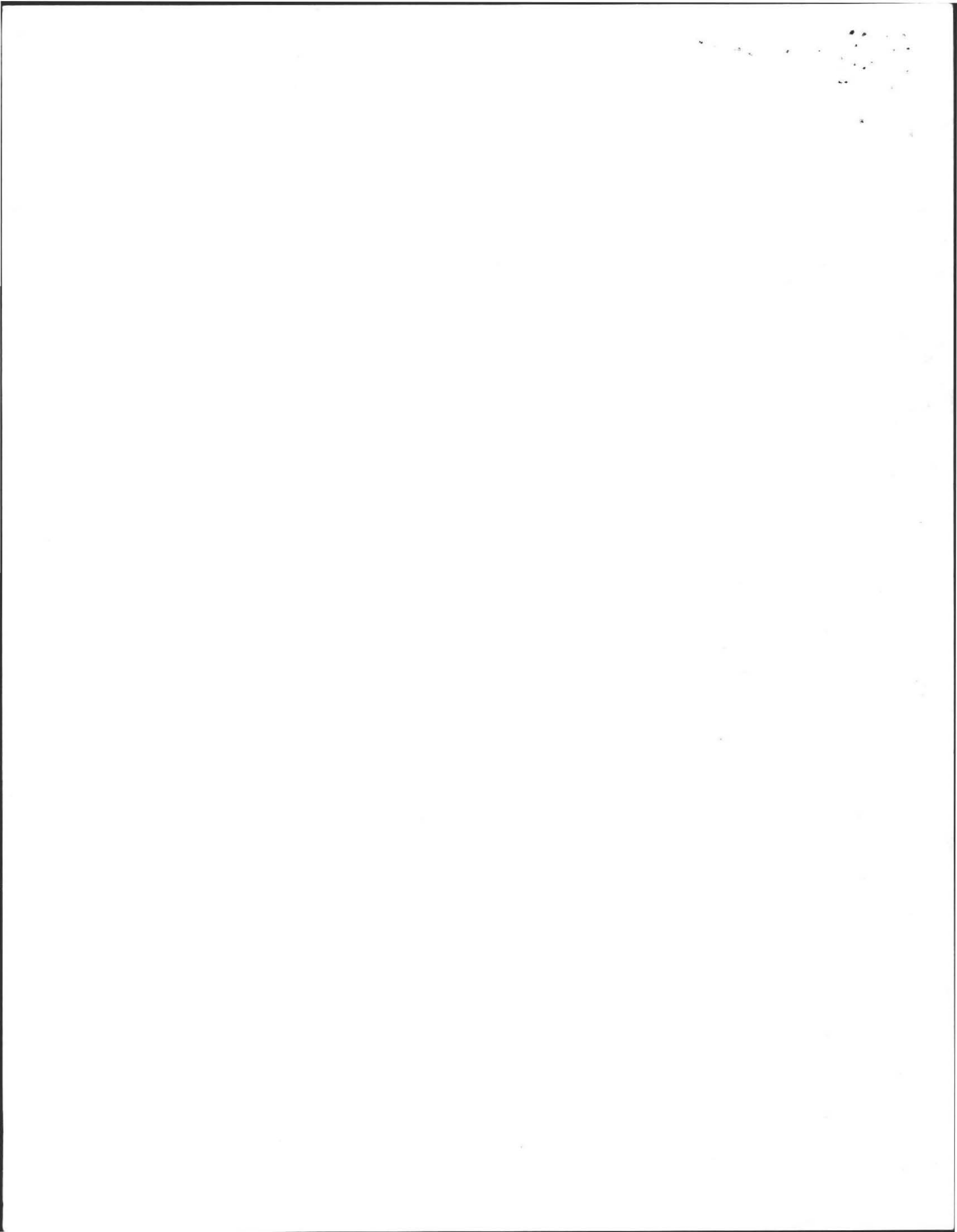
It is important to point out, that the failed area is relatively minor, as a result of the decrease in system usage. The children have moved out of the house, and water consumption has probably decreased by more than half. At the time of the testing described above, there was very little dampness in the bed area, and no offensive odors. Health risks at this time are minimal.

Please contact the undersigned if there are any questions,

Sincerely,



Walter Schwarz P.E.



APPLICATION FOR PERMIT TO CONSTRUCT OR REPAIR
A PRIVATE SEWAGE DISPOSAL SYSTEM

#117
REC'D JUL 20 1962

TO: THE BOARD OF HEALTH, AMHERST, MASS.

No. 22-62

Ben McCall of Middle St Amherst
(owner's name) (address) (phone)

hereby applies for a permit to construct or repair a private disposal system for a Residence
(residence, store, etc.)

which will be located at South West of House to be installed by
S J Wawczyk West St Amherst 5047381
(name) (address) (phone)

Builder is Rhodes Plumber is _____

Description of lot, building and fixtures as follows:

Lot: Dimensions Acres Type of Soil Stony Well or Town Water? Town Water
Distance to Town Sewer None Depth to Ground Water Unknown Kind of Well None
Will Lot be Graded? Yes By Filling or Removing Soil? using original contour
Building: Dimensions _____ No. Bedrooms _____ No. Occupants 5-6
Fixtures: No. Toilets _____ Urinals _____ Wash Basins _____ Bathtubs _____
Showers _____ Kitchen Sinks _____ Garbage Grinders _____
Auto Dishwasher _____ Auto. Clotheswasher _____ Other (basement) _____

(On reverse side show plot plan with building. Include dimensions, distances from all boundaries. Show location of wells, streams, ledge, large trees, etc.)

I certify that the above information is correct and that I will notify the Board of Health if any conditions are changed. I also declare that I have read and understand all the rules and regulations applying hereto and will comply with all requirements and stipulations as included in a permit if issued to me.

Date June 1st Free Paid \$1.00 6/20/62 Ben F. McCall
(Signature of Applicant)

PERMIT TO CONSTRUCT OR REPAIR A PRIVATE SEWAGE DISPOSAL SYSTEM

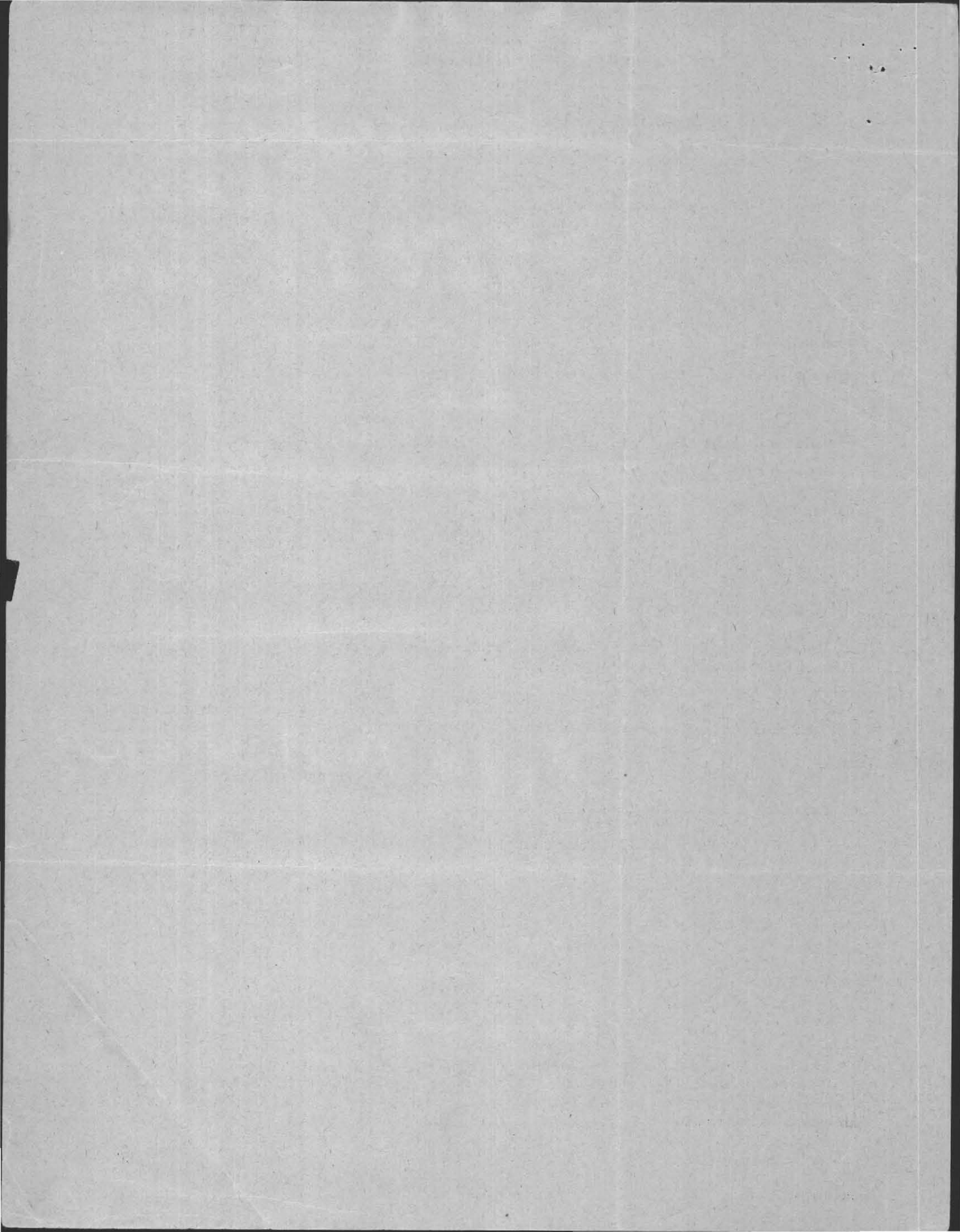
No. _____

_____ is hereby granted permission to proceed with the construction or repair of private sewage disposal system with the following minimum requirements:

Septic Tank: Must be of Cement and of 900 Gals. Liquid Capacity.
Leaching System: Trenches of not less than _____ Sq. Ft. bottom area.
Dry well 4' x 4' ft. bottom area and 2' ft. below the inlet.
Other leaching bed

This permit is issued with the understanding that future alterations or additions will be made if necessary. This permit shall not be construed as permission to create or maintain any sewage nuisance and in the issuance of this permit the Board of Health assumes no responsibility for the future operation or maintenance of the system.

Inspected _____ Approved G. L. Quinn for the Board of Health date _____



Town of



AMHERST

Massachusetts

Bettye Anderson Frederic, Director

AMHERST HEALTH DEPARTMENT

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

October 4, 1991

To: Mr. & Mrs. Russ Weigel

From: Amherst Health Department

BoF

Re: Variance Request

The Board of Health at its meeting of September 25, 1991, took the following action on your request to vary the size of the leaching area to less than that required by the Town, but to use the State's Title V condition - not less than 1 1/4 times the minimum and to vary the distance from a watercourse, stream or pond of 100 feet to 94 feet at 117 Middle Street.

Unanimous agreement to grant a variance to the town's requirement for size of leaching area and distance for a private disposal system to any watercourse, stream and pond. Also with the condition that the garbage grinder be removed. It is the Board's opinion that the same degree of environmental protection can be achieved without strict application of this particular provision.

C:WEIGEL

10

Town of



AMHERST

Massachusetts

Bettye Anderson Frederic, Director

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

October 4, 1991

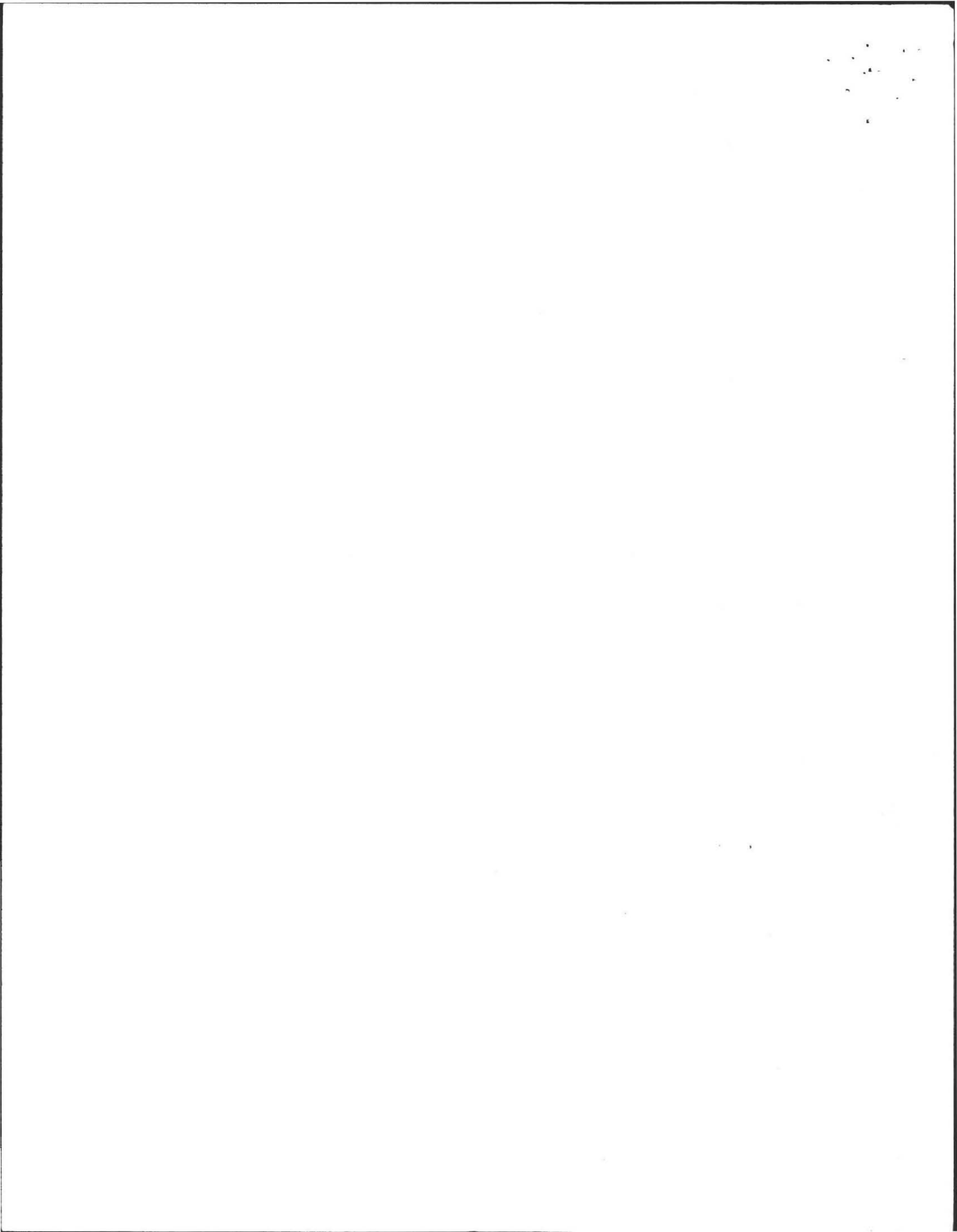
To: Department of Environmental Protection

From: Amherst Health Department **BAF**

Re: Variance Request

The Board of Health at its meeting of September 25, 1991, took the following action on the request from Russ and Joan Weigel, 117 Middle Street, Amherst, MA, to vary the size of the leaching area to less than that required by the Town, but to use the State's Title V condition - not less than 1 1/4 times the minimum and to vary the distance from a watercourse, stream or pond of 100 feet to 94 feet at 117 Middle Street.

Unanimous agreement to grant a variance to the town's requirement for size of leaching area and distance from a private disposal system to any watercourse, stream and pond. Also with the condition that the garbage grinder be removed. It is the Board's opinion that the same degree of environmental protection can be achieved without strict application of this particular provision.



BOARD OF HEALTH, AMHERST, MASSACHUSETTS
APPLICATION FOR DISPOSAL WORKS CONSTRUCTION PERMIT

#117

No. 75-10 Date June 18, 1975 Fee \$3.00 Date Rec'd. June 18, 1975 By DGF

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

Location—Address Middle Street, Amherst, MA. or Lot No. 2

Owner Benjamin F. McCabe Address Middle St., Amherst

Contractor Anthony Conklin Address January Hills, Amherst

Type of Building _____ Dimensions _____ Size Lot 50,000 sq. ft.

Dwelling—No. of Bedrooms 3 Expansion Attic () Garbage Grinder ()

Other _____ No. of persons _____ Showers ()

Other fixtures _____

Town Water? yes Type of Well _____

Design Flow 50 gallons per person per day. Total daily flow 300 gallons

Septic Tank—Liquid capacity 1200 gallons Dimensions: L _____ W _____ D _____

Disposal Trench—No. _____ Width _____ Total Length _____ Total leaching area _____ sq. ft.

Disposal Bed—No. 1 Diameter 20x30 Depth below inlet 30 Total leaching area 600 sq. ft.

Dry Well—No. _____ Diameter _____ Depth below inlet _____ Dimensions: _____ x _____

Other: Distribution box () No. _____ Dosing tank ()

(Depth of Soil Line Below finished grade at foundation _____)

Percolation Test Results Performed by RB, Huntley Engineering Date May 19, 1975

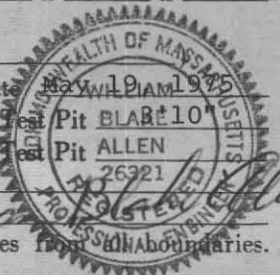
Test Pit No. 1 6.33 minutes per inch Depth of test Pit BLAKE 10'

Test Pit No. 2 _____ minutes per inch Depth of test Pit ALLEN 26321

Description of Soil See Attached sheet Depth to Ground Water _____

Will disposal area be filled? _____ Cut down? _____

(On reverse side or separate sheet, show plot plan with building. Include dimensions, distances from _____ boundaries. Show location of wells, streams, ledge, large trees, etc.)



Deep hole observed by Charles Drake

Note: Certification is to test results only. See Attached sheets for design

AGREEMENT: The undersigned agrees to construct the aforescribed individual sewage disposal system in accordance with the provisions of Article XI of the Sanitary Code and regulations of the Amherst Board of Health. The undersigned further agrees not to place the system in operation until a Certificate of Compliance has been issued by this board of health.

Application Approved by [Signature] [Signature] Owner or builder 6-17-75 date
6-18-75 date

Application Disapproved for the following reasons:

BOARD OF HEALTH, AMHERST, MASSACHUSETTS
CERTIFICATE OF COMPLIANCE

THIS IS TO CERTIFY, That the individual Sewage Disposal System installed () or repaired () by _____ at _____ has been constructed in accordance with the provisions of

INSTALLER Article XI 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 satisfactorily.
 DATE _____ Inspector _____

BOARD OF HEALTH, AMHERST, MASSACHUSETTS
DISPOSAL WORKS CONSTRUCTION PERMIT

No. 75-10 Permission is hereby granted A.F. Conklin - Bill Clark to construct () or repair () an Individual Sewage Disposal System at Lot #2 Middle St as shown on the application for Disposal Works Construction Permit No. 75-10

This permit is issued with the understanding that future alterations or additions will be made if necessary. This permit shall not be construed as permission to create or maintain any sewage nuisance and in the issuance of this permit the Board of Health assumes no responsibility for the future operation or maintenance of the system.

DATE 6-18-75 [Signature] Board of Health

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

CHICAGO, ILLINOIS

1950

TO THE DIRECTOR

OF THE UNIVERSITY

OF CHICAGO

FROM

THE PHYSICS DEPARTMENT

CHICAGO, ILLINOIS

1950

TO THE DIRECTOR

OF THE UNIVERSITY

OF CHICAGO

FROM

THE PHYSICS DEPARTMENT

CHICAGO, ILLINOIS

1950

TO THE DIRECTOR

OF THE UNIVERSITY

OF CHICAGO

FROM

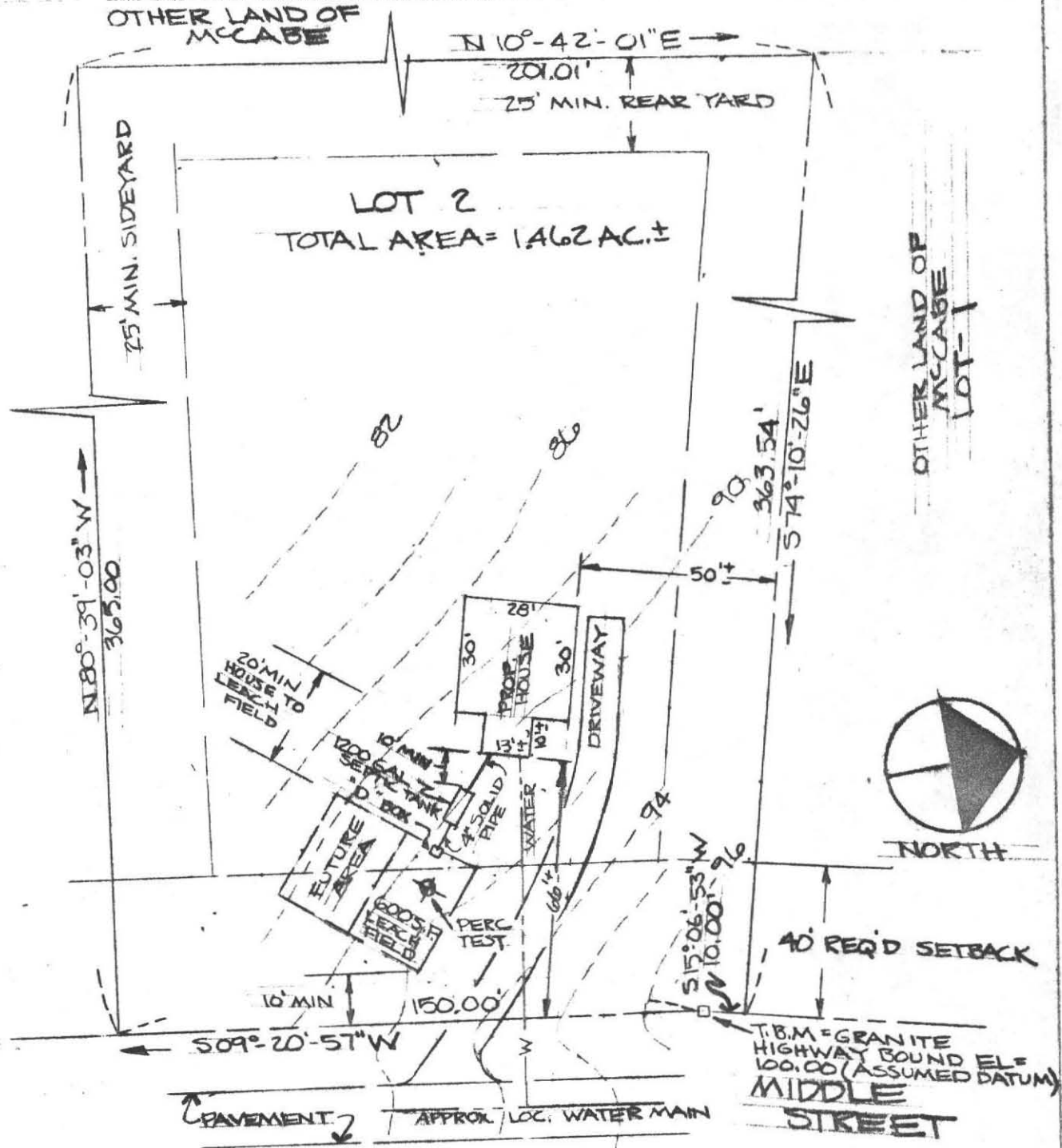
THE PHYSICS DEPARTMENT

CHICAGO, ILLINOIS

OTHER LAND OF
MCCABE

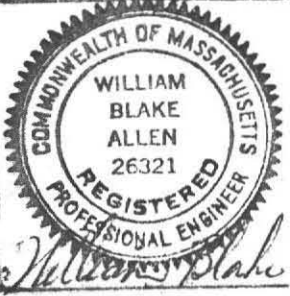
OTHER LAND OF
MCCABE

OTHER LAND OF
MCCABE
LOT-1



PLOT PLAN
 PREPARED FOR
BENJAMIN F. MCCABE
 UNDER SEC 113.6 OF THE MASS.
 BUILDING CODE AS AMENDED.

- NOTES:**
- ELEC. & TEL. CONNECTIONS ARE OVERHEAD.
 - LOT ZONING IS R-O (OUTLYING RESIDENCE)
 - LOT IS A PORTION OF ASSESSORS' MAP SHEET 23-B - PARCEL 14.
 - THE GRADES SHOWN HEREON ARE AS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION. THERE IS NO GRADE REGULATION OR BY-LAW IN THE TOWN OF AMHERST. ELEV. SHOWN ARE ASSUMED DATUM - SEE PLAN.



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

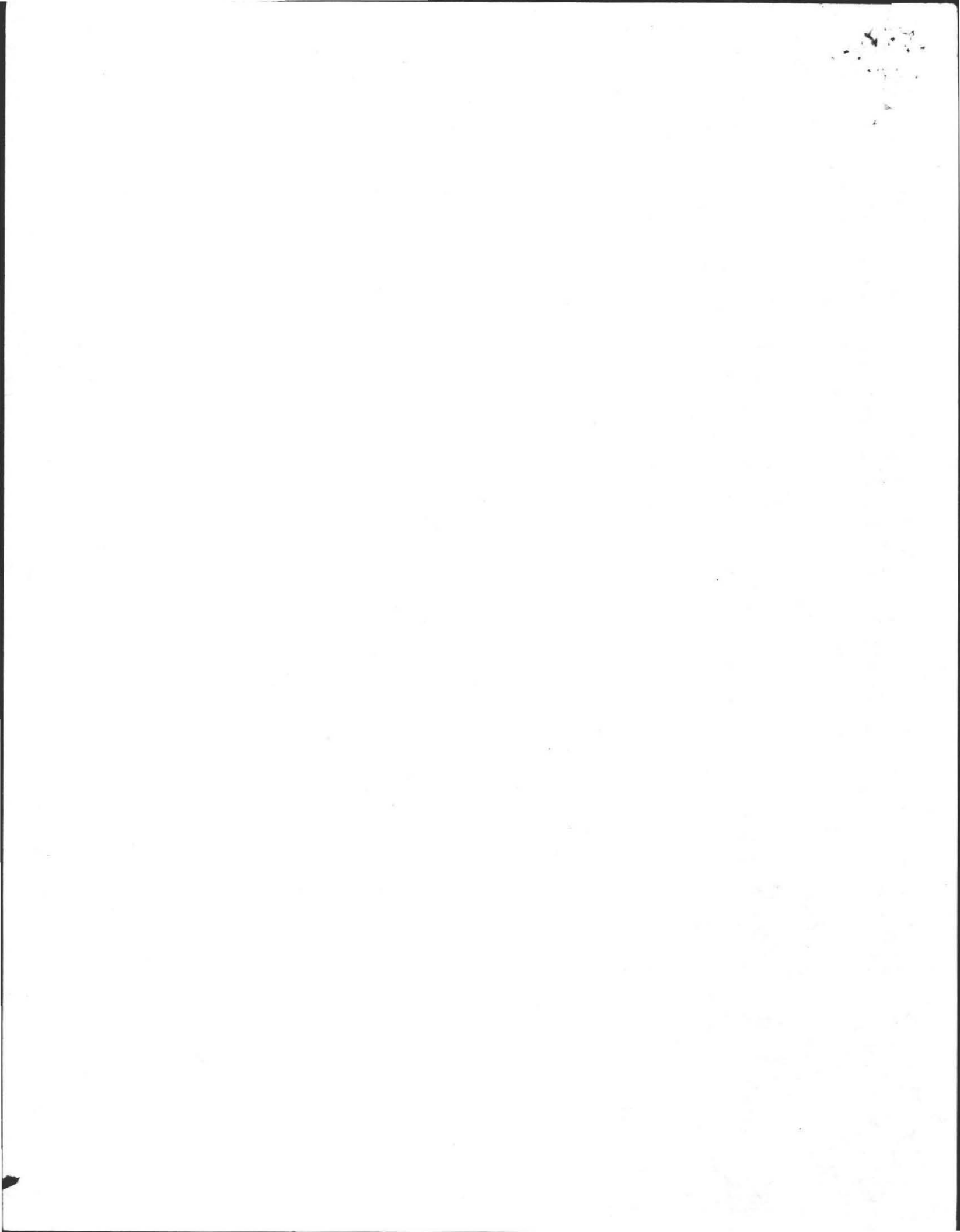
DRAWN: LRB

SCALE: 1"=40'

DATE: 6-17-75

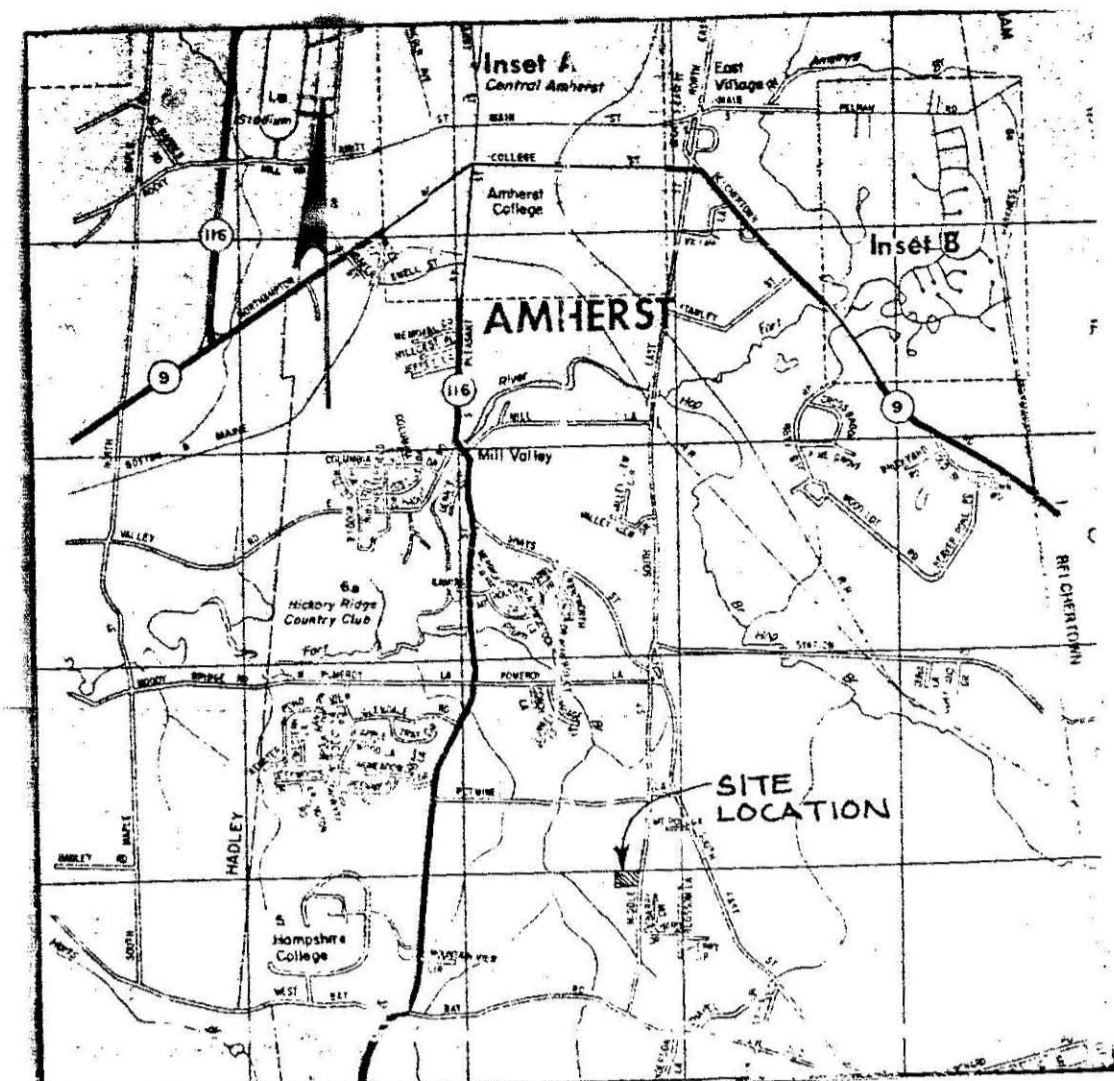
NOTE:
 ALL WORK
 TO BE DONE IN
 ACCORDANCE WITH
 STATE SANITARY
 CODE ART. XI

William Blake Allen





U.S.G.S.



NO SCALE

VARIANCES REQUESTED

***WETLAND REGULATION**

1. LEACHING FACILITY SHALL BE 100' FEET FROM WETLAND BOUNDARY. 94' PROVIDED

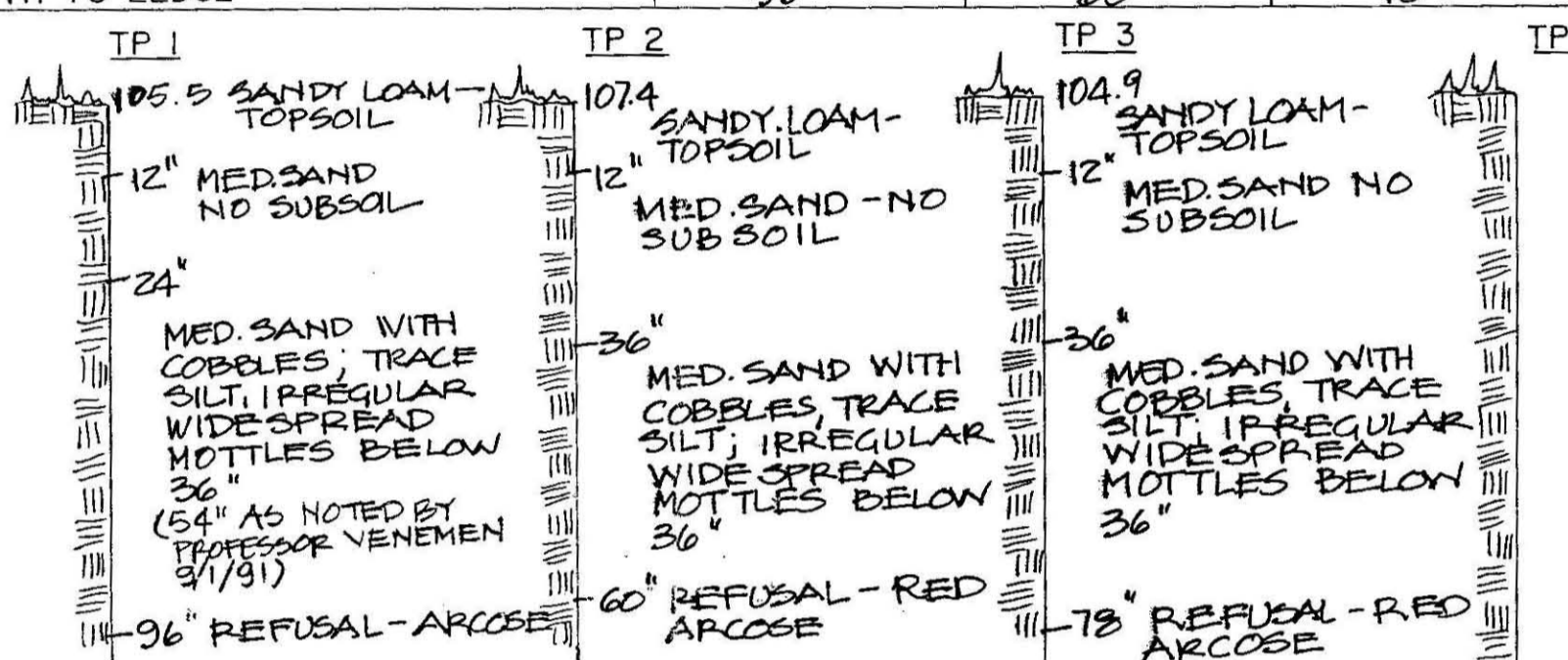
***AMHERST HEALTH DEPARTMENT**

2. SIZE OF LEACHING FIELD SHALL BE AT LEAST 1.25X TITLE II REQUIREMENTS. FULL TITLE II AREA PROVIDED TO AVOID NEED FOR STATE VARIANCES DUE TO SETBACKS

DESIGN CRITERIA

1. LOCATION OF STREAMS AND WETLANDS: NO STREAMS WITHIN 100' OF SYSTEM, WETLANDS AS SHOWN (S97)
2. LOCATION OF SURFACE AND SUBSURFACE DRAINS: NONE WITHIN 20' OF DISPOSAL AREA
3. WATER SUPPLY SOURCE: MUNICIPAL WATER SERVICE
4. SYSTEM IS NOT DESIGNED FOR GARBAGE DISPOSAL.
5. HOUSE 2-BEDROOMS.
6. DESIGN FLOW: 3 BEDROOMS X 110 GAL/BDRM/DAY = 330 GAL/DAY
7. DESIGN CALCULATIONS: DESIGN PERC RATE = 8.0 MIN/INCH
BED BOTTOM AREA REQUIRED: $\frac{1.6 \text{ FT}^2}{\text{GAL}} \times 330 = 528 \text{ FT}^2$
BED AREA PROVIDED = 600 FT²
8. SEPTIC TANK CAPACITY: 1500 GALLON
9. FOUNDATION TO BE DRAINED.
10. SOIL INVESTIGATION: AUGUST 6, 1991 WITNESS: DAVID ZAROBINSKI

TEST PITS	TP 1	TP 2	TP 3	TP 4
PIT DEPTH	96"	60"	78"	
PERCOLATION RATE & DEPTH	6.0 MIN/INCH @ 30"			
DEPTH OF SEASONAL HIGH WATER	36"	36"	36"	
DEPTH OF OBSERVED GROUNDWATER	NONE	NONE	NONE	
DEPTH TO LEDGE	96"	60"	78"	

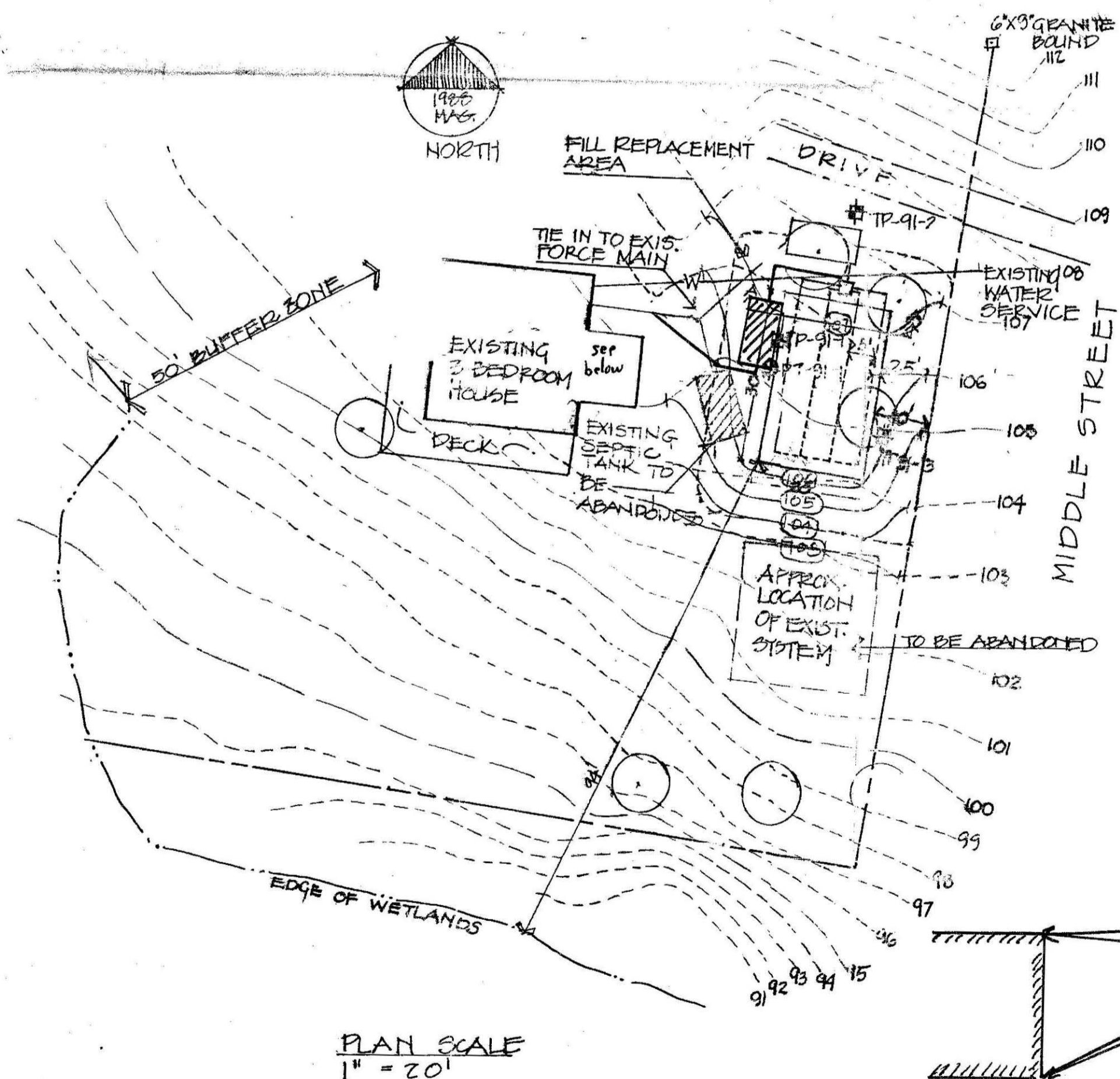


GENERAL NOTES

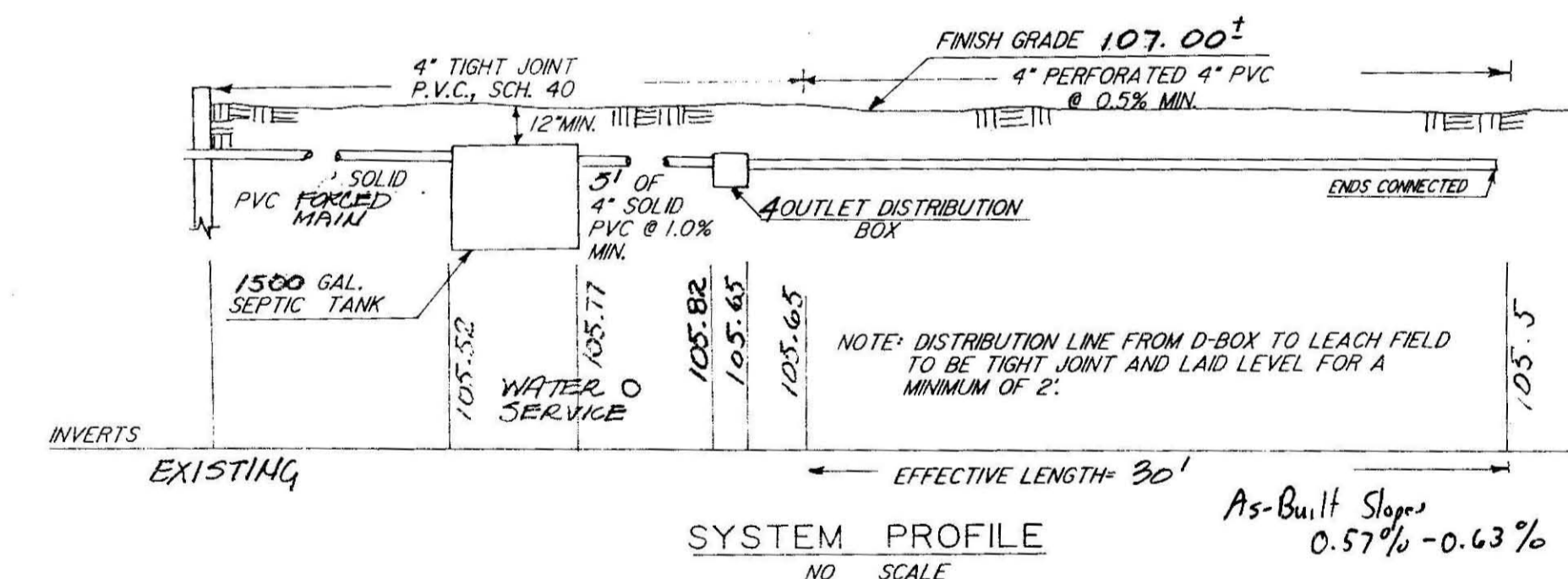
1. SYSTEM DESIGNED ACCORDING TO MASSACHUSETTS STATE SANITARY CODE, (DEGE), TITLE V
2. -102- INDICATES EXISTING CONTOUR, (102) INDICATES PROPOSED CONTOUR.
3. WALTER SCHWARZ, P.E. HAS FURNISHED THIS DESIGN & PLAN BUT HAS NOT BEEN RETAINED TO CONSTRUCT OR SUPERVISE CONSTRUCTION OF THE SYSTEM. THEREFORE, NO GUARANTEE OR WARRANTY, EXPRESS OR IMPLIED, IS MADE TO THE ULTIMATE USER RELATIVE TO ANY SYSTEM INSTALLING PURSUANT TO THE PLAN. CONTRACTOR IS TO NOTIFY ENGINEER OF ANY SITE CONDITION DIFFERING FROM THOSE INDICATED OR OF FIELD CHANGES MADE.
4. ACCEPTABLE MANUFACTURERS OF SEPTIC TANKS, DISTRIBUTION BOXES, PIPES AND LEACHING PITS ARE ROTONDO, KELLOGG BROS., INC., LANE CONSTRUCTION CORP., ARTHUR WHITCOMB, INC., AND WASHBURN VAULT COMPANY, INC. OR ANY MANUFACTURER MEETING THE STATE STANDARDS FOR CONSTRUCTION.

CONSTRUCTION NOTES

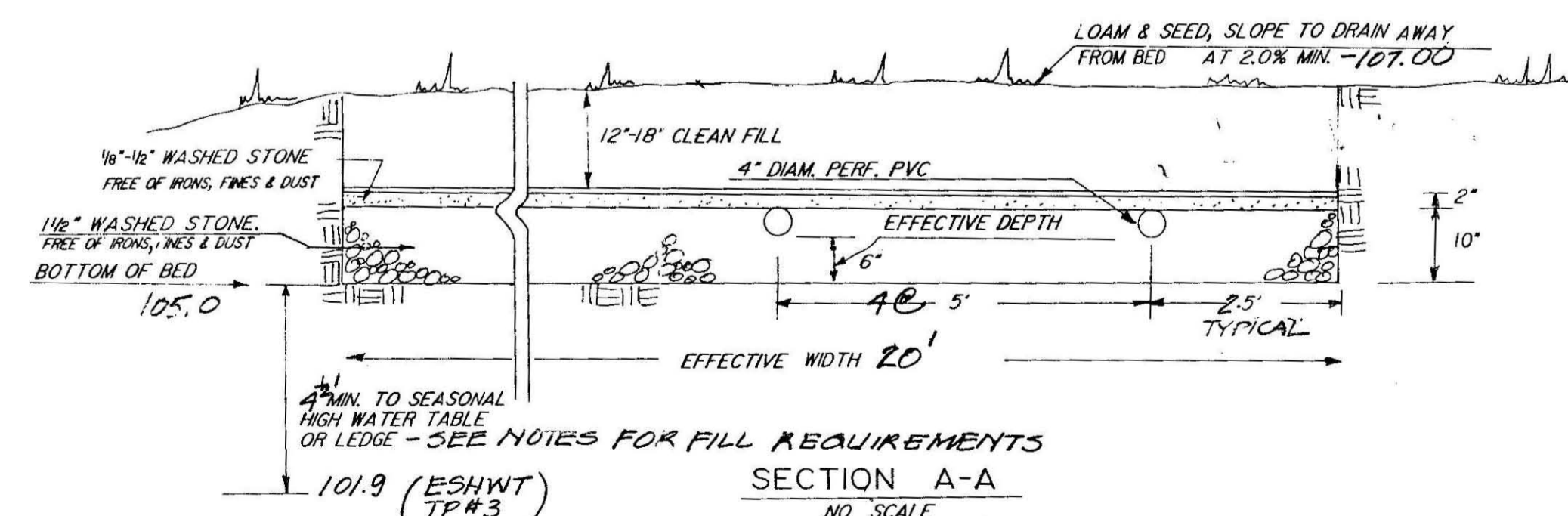
1. REMOVE ALL TOPSOIL IN THE AREA OF THE BED AND FOR TEN FEET ON ALL SIDES TO A DEPTH OF 12" OR UNTIL THE MEDIUM SAND LAYER IS EXPOSED.
2. BED FILL SHALL BE CLEAN COARSE WASHED SAND OR OTHER CLEAN GRANULAR MATERIAL ESSENTIALLY FREE FROM CLAY, FINES, DUST, ORGANIC MATERIAL, LARGE STONES OR OTHER WASTE MATERIAL.
3. PLOW NATURAL SURFACE PRIOR TO FILL PLACEMENT.
4. FILL SHALL HAVE AN IN-PLACE PERCOLATION RATE OF LESS THAN 2 MIN/INCH AFTER PLACEMENT.
5. ALL CONSTRUCTION IN FILL IS SUBJECT TO THE PROVISION OF TITLE II - 15.02 (17).
6. CONTRACTOR TO TIE IN TO EXISTING FORCE MAIN/HOUSE SEWER USING PROPERLY RESTRAINED JOINTS.
7. SEPTIC TANK TO HAVE CAST IN PLACE, BAFFLED OUTLET OR TEE EXTENDED TO TANK CENTER.
8. EXISTING WATER SERVICE TO BE RELOCATED AS NECESSARY.
9. PROPOSED SYSTEM SHALL BE REPLACED AND ACT AS THE "RESERVE AREA" WHEN NEEDED



PLAN SCALE
1" = 20'



SYSTEM PROFILE
NO SCALE



SECTION A-A
NO SCALE

DATE	REVISIONS	APPRD
10/17/91	As-built Tank Location & Ties; Lateral Slopes	WS

WALTER SCHWARZ, P.E.
14 WESTERWOOD RD.
AMHERST, MA.

SCALE AS SHOWN	PROJECT
DATE 8/21/91	WEIGEL RESIDENCE
PROJECT NO. 1	117 MIDDLE STREET
DRAWN WS/JRW	SOUTH AMHERST, MA.
CHECKED BY WS	
APPROVED BY WS	

SHEET TITLE
SUBSURFACE WASTEWATER DISPOSAL
SYSTEM REPAIR

SHEET OF

