

JEFF HANIS LOT 2
STATION ROAD 2



FEE _____

COMMONWEALTH OF MASSACHUSETTS

Board of Health, Amherst, MA.

APPLICATION FOR DISPOSAL SYSTEM CONSTRUCTION PERMIT

Application for a Permit to Construct () Repair () Upgrade () Abandon () - Complete System Individual Components

Location <u>LOT #2</u>	Owner's Name <u>JEFF HONIG</u>
Map/Parcel# <u>STATION ROAD</u>	Address <u>196 NORTH PLEASANT ST</u>
Lot# <u>AMHERST, MASS</u>	Telephone# <u>APT 5 AMHERST MA</u> <u>256-4596</u>
Installer's Name	Designer's Name <u>WILLIAM SIERUTA</u>
Address	Address <u>46 UPLAND ROAD</u>
Telephone#	Telephone# <u>HOLYOKE MASS</u> <u>413 537 8525</u>

Type of Building Residential Home Lot Size 3,001 sq. ft.
 Dwelling - No. of Bedrooms 3 Bedroom Single Family Garbage grinder No
 Other - Type of Building _____ No. of persons 4 Showers Cafeteria No
 Other Fixtures FULL BMT
 Design Flow (min. required) 110 x 3 x 1.25 gpd Calculated design flow 437 Design flow provided 452 gpd
 Plan: Date AUG 16 1992 Number of sheets 1 Revision Date AUG 16 1992
 Title SEPTIC SYSTEM DESIGN
 Description of Soil(s) SEE ATTACHED PLANS
 Soil Evaluator Form No. - Name of Soil Evaluator - Date of Evaluation 6/15/92
5/13/96

DESCRIPTION OF REPAIRS OR ALTERATIONS complete septic system

The undersigned agrees to install the above described Individual Sewage Disposal System in accordance with the provisions of TITLE 5 and further agrees to not to place the system in operation until a Certificate of Compliance has been issued by the Board of Health.

Signed _____ Date _____

Inspections _____

No. _____

FEE _____

COMMONWEALTH OF MASSACHUSETTS

Board of Health, _____, MA.

CERTIFICATE OF COMPLIANCE

Description of Work: Individual Component(s) Complete System

The undersigned hereby certify that the Sewage Disposal System; Constructed (), Repaired (), Upgraded (), Abandoned ()

by: _____
at _____

has been installed in accordance with the provisions of 310 CMR 15.00 (Title 5) and the approved design plans/as-built plans relating to application No. _____, dated _____, Approved Design Flow _____ (gpd)

Installer _____
Designer: _____ Inspector: _____ Date: _____

The issuance of this permit shall not be construed as a guarantee that the system will function as designed.

No. _____

FEE _____

COMMONWEALTH OF MASSACHUSETTS

Board of Health, _____, MA.

DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permission is hereby granted to; Construct () Repair () Upgrade () Abandon () an individual sewage disposal system at _____ as described in the application for

Disposal System Construction Permit No. _____, dated _____.

Provided: Construction shall be completed within three years of the date of this permit. All local conditions must be met.



No. _____

Date: 5/13/96

Commonwealth of Massachusetts
Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: William Sieruta PE Date: 5/13/96
 Witnessed By: D. Zarozinski BOH

Location Address or Lot # <u>LOT 24B LOT 2</u> <u>STATION ROAD</u> <u>AMHERST MASS</u>	Owner's Name, Address, and Telephone # <u>JEFF HONIG</u> <u>196 N. PLEASANT</u> <u>APT 5</u> <u>AMHERST 01002</u> <u>256 4596</u>
New Construction <input checked="" type="checkbox"/> Repair <input type="checkbox"/>	

Office Review

Published Soil Survey Available: No Yes

Year Published _____ Publication Scale _____ Soil Map Unit _____
 Drainage Class _____ Soil Limitations _____

Surficial Geologic Report Available: No Yes

Year Published _____ Publication Scale _____
 Geologic Material (Map Unit) _____

Landform _____

Flood Insurance Rate Map:

Above 500 year flood boundary No Yes

Within 500 year flood boundary No Yes

Within 100 year flood boundary No Yes

Wetland Area: OUTSIDE wetlands per con com.

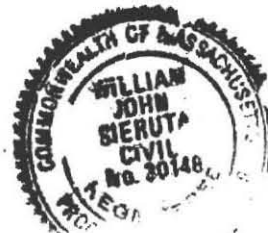
National Wetland Inventory Map (map unit) NO

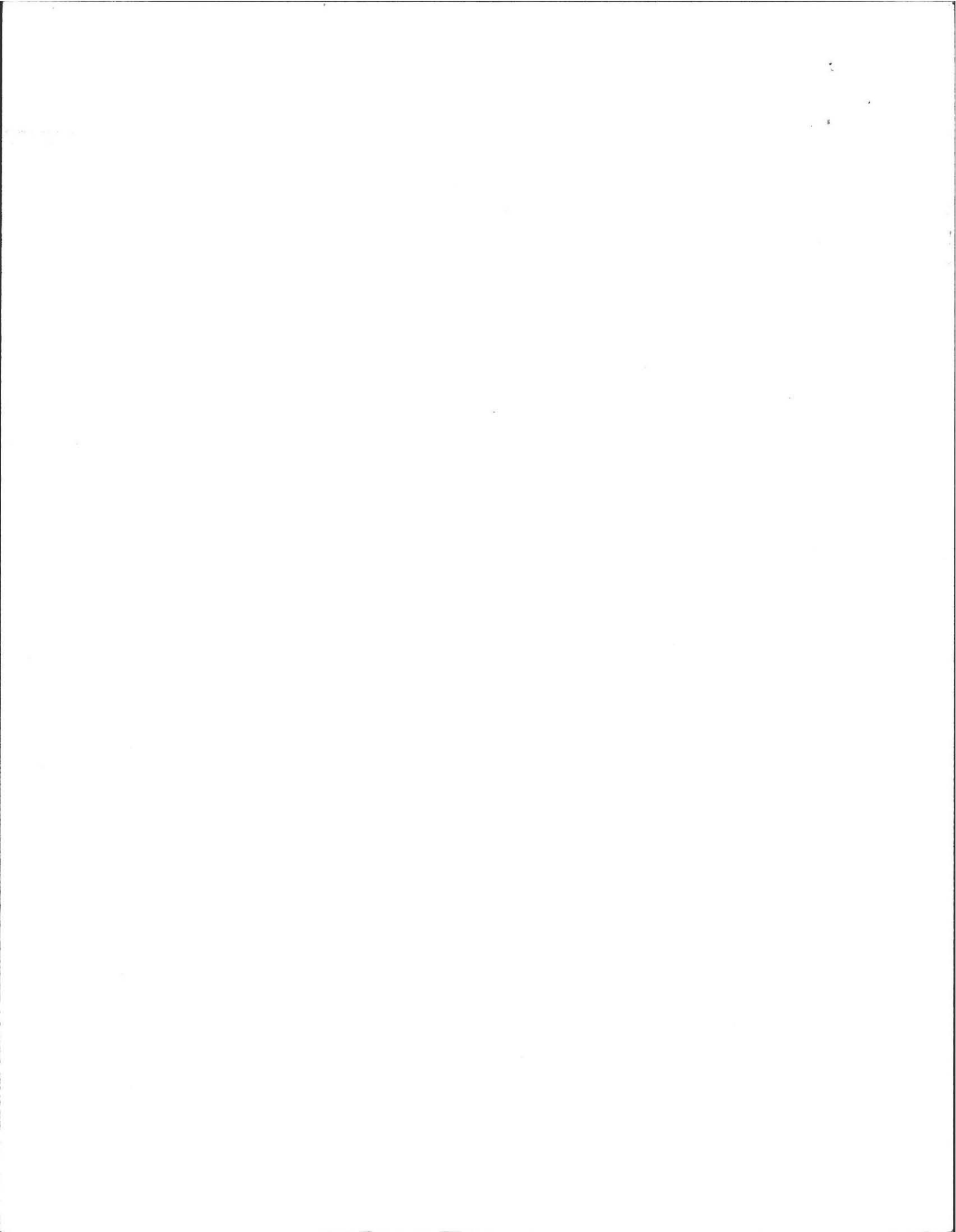
Wetlands Conservancy Program Map (map unit) NO

Current Water Resource Conditions (USGS): Month

Range: Above Normal Normal Below Normal

Other References Reviewed: _____





On-site Review

Deep Hole Number ATP-1 Date: 5/13/96 Time: 8:30 Weather PARTIAL CLOUDY WARM

Location (Identify on site plan) see original perc logs

Land Use residential Slope (%) 2% Surface Stones some cobbles noted

Vegetation brush overgrown

Landform OUTWASH TERRACE

Position on landscape (sketch on the back)

Distances from:

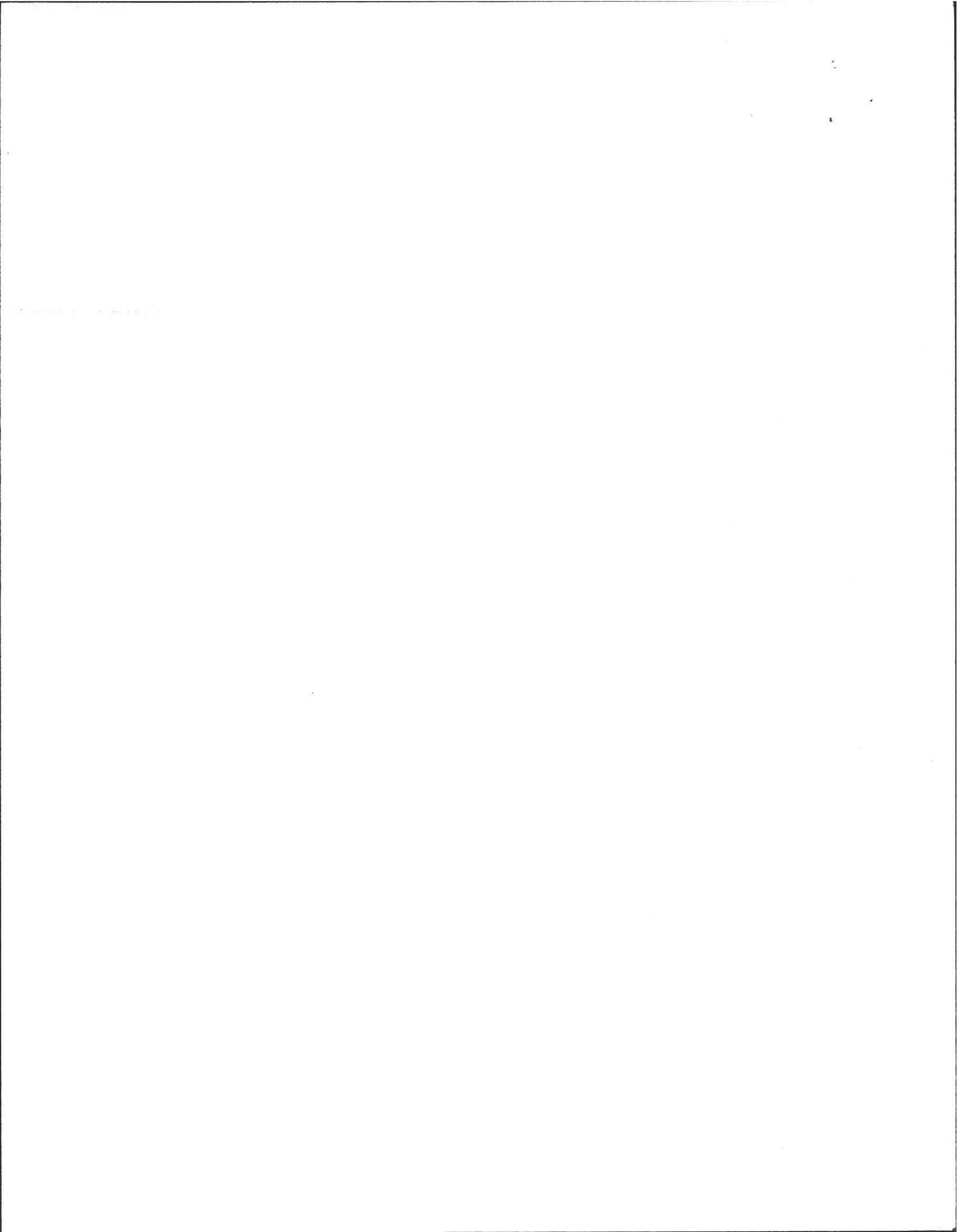
Open Water Body — feet Drainageway 150' feet
 Possible Wet Area 100' feet Property Line 54' feet FRONT PROP LINE
 Drinking Water Well DNA feet Other 50' EAST SIDE LINE

DEEP OBSERVATION HOLE LOG

Depth from Surface (inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Moisture	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0-12	AP	SANDY LOAM	10YR 3-3		
12-24	BW	SANDY LOAM	10YR 5-4	moist	
24-72	C1	SANDY LOAM	10YR 6-2	15/20% mottling @ 40"	FIRM structure less to MASSIVE
72-120	C2	SANDY LOAM	10YR 6-1	50% 60% mottling @ 72-120	20% gravel 20% stone med to FIR



Parent Material (geologic) OUTWASH TILL Depth to Bedrock: DNA
 Depth to Groundwater: KNWT 40" Standing Water in the Hole: 60" Weeping from Pit Face: weeping
 Estimated Seasonal High Ground Water: 40" 41



Location Address or Lot No. 24B (LOT 2) JEFF HONIG

On-site Review

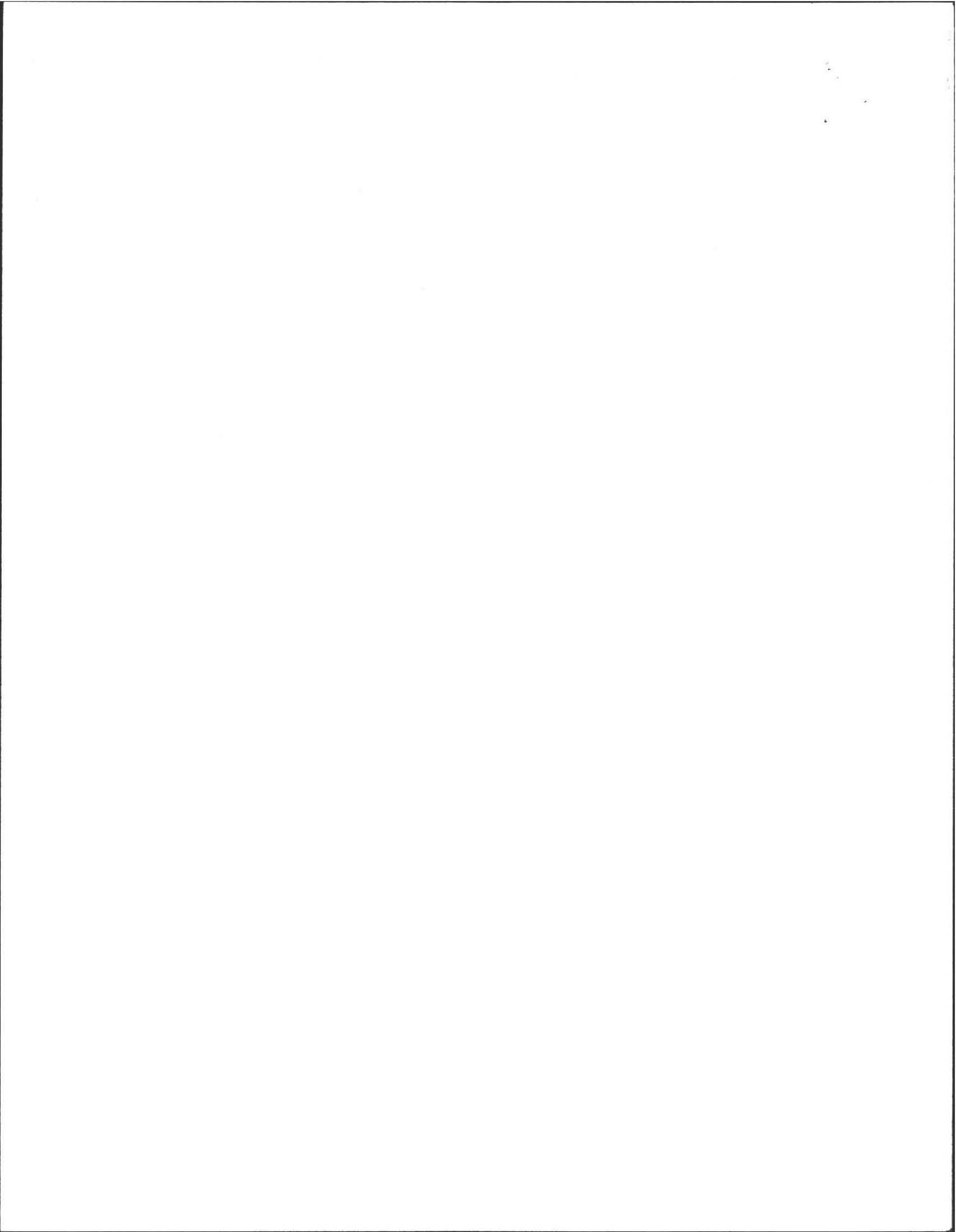
Deep Hole Number AT TP-2 Date: 5/13/96 Time: 8:00 Weather PARTIAL SUNNY WARM
 Location (identify on site plan) see original perc logs
 Land Use residential Slope (%) 2% Surface Stones some cobbles mixed
 Vegetation brush over grown
 Landform OUTWASH TERRACE
 Position on landscape (sketch on the back)
 Distances from:
 Open Water Body — feet Drainage way 150' feet
 Possible Wet Area 100' feet Property Line 54' feet FRONT
 Drinking Water Well DNA feet Other 45' SIDE (west Northwest CORN.)

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0-12	AP	SANDY LOAM	10YR 8-3		
12-24	BW	SANDY LOAM	10YR 5-4	10YR 4-6	
24-70	C1	SANDY LOAM	10YR 6-2	10YR 5-6	FIRM STRUCTURELESS MASSIVE 20% COBBLES 20% GRAVEL @ 36"
70-120	C2	LOAMY SAND	10YR 6-1	50% 60% mottles	STRUCTURELESS MASSIVE 20% GRAVEL 20% STONE MED TO FINE FRISIBLE

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) OUTWASH TILL Depth to Bedrock: DNA
 Depth to Groundwater: Standing Water in the Hole: 48" Weeping from Pit Face: 48"
 Estimated Seasonal High Ground Water: FEW FT 36" mottling





Percolation Test

TRST PERM IN JUNE

Test No. TP-1-3
 Reading _____ Time _____
 Saturation (15 min) _____
0-10" OTS
10-24" Silty Sub
24-60" Sandy Gravel Till
60"-10' Compact Gravel
Till
H₂O 42"
Oxides 42"
 Perc Rate _____ Min/Inch _____
 Ground Elev. _____
 Depth of Hole _____

Test No. _____
 Reading _____ Time _____
 Saturation (15 min) _____

 Perc. Rate _____ Min/Inch _____
 Ground Elev. _____
 Depth of Hole _____

Test Pit TP-1
 Depth Soil Description
0-12" OTS LOAM
12-24" SILTY SUB SOIL
24-6' WHITE GRAVEL
TILL COMPACT
 Groundwater Depth 36" Elev. _____
 Bedrock Depth _____ Elev. _____
 Ground Elev. _____

Deep Test Pit/s
 Test Pit TP-2
 Depth Soil Description
0-10" OTS
10-24" Silty Brown Subsoil
24"-~~33~~ Sandy Gravel Till
53-120" Oxidized 36"
Compact Gravel Till
 Groundwater Depth 53" Elev. _____
 Bedrock Depth _____ Elev. _____
 Ground Elev. _____

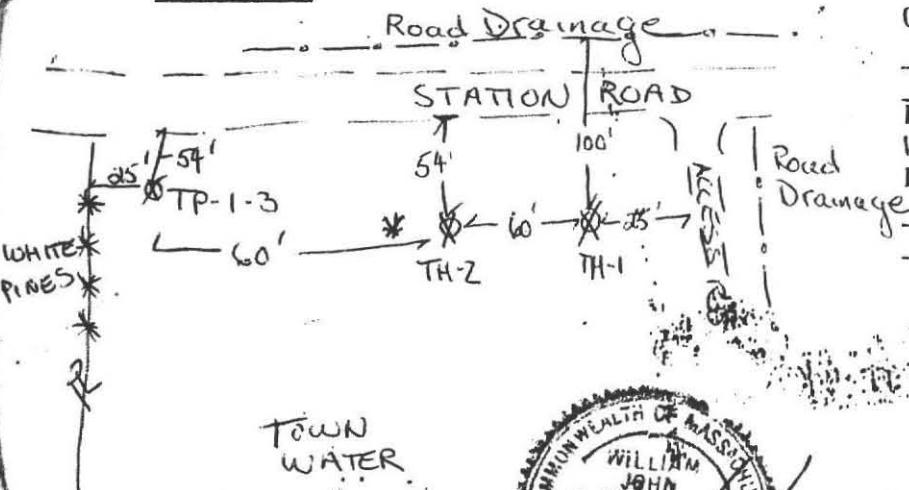
S.C.S. Soil Description _____ Seasonal High Water Table? _____

Bench Mark: Elev. _____ Description David Zarozinski HD
EJ

COMMENTS:

Date: APRIL 8, 1992
 Client: JEFF HONIG
P.O. Box 142, AMHERST

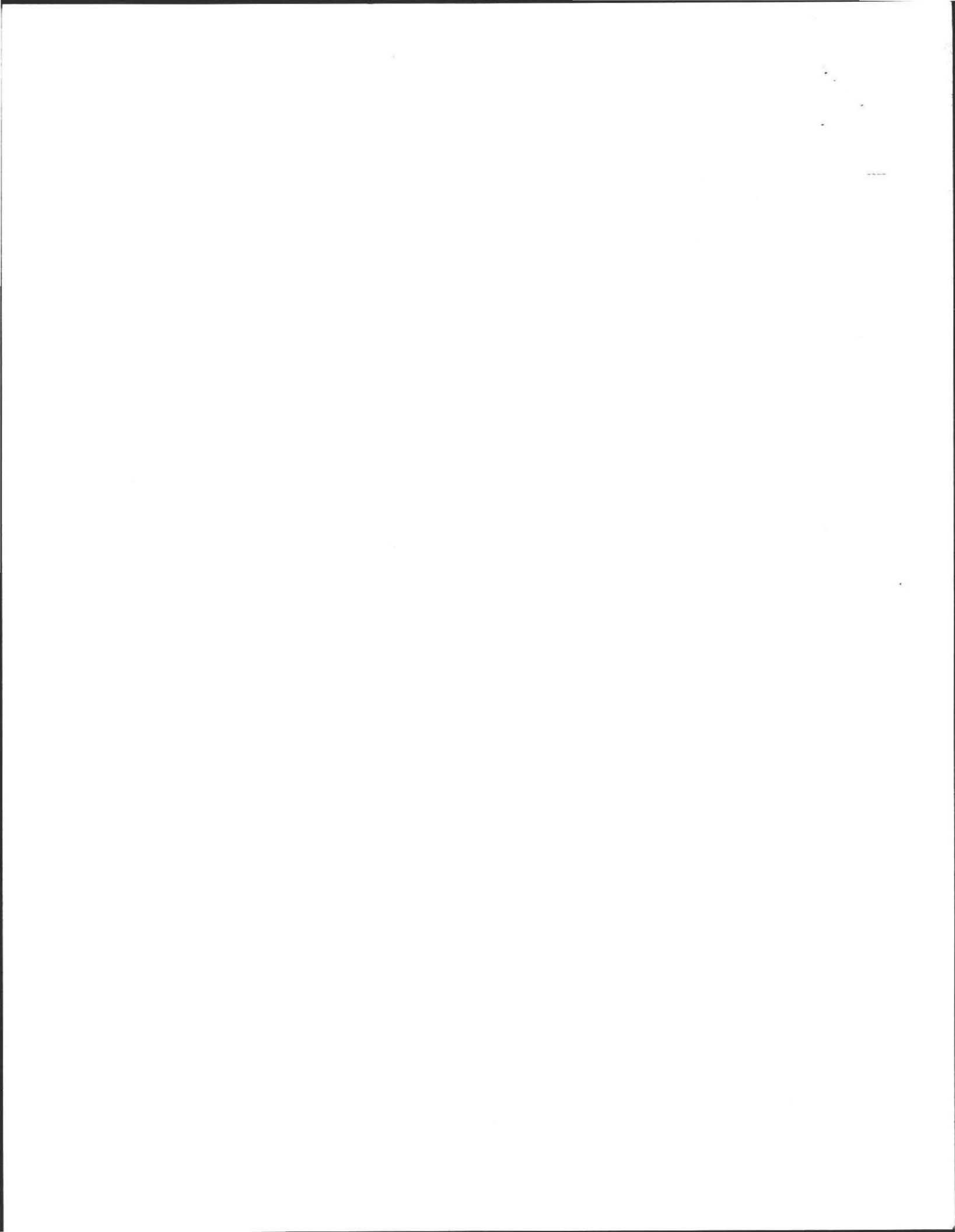
Engineer: SIERUTA / BARRY
 Witness: DAVID ZAROZINSKI
 Location of Perc: STATION ROAD, AMHERST
LOT 29B LOT 2



NOTIFY CONSERVATION COMMISSION

PERC SCHEDULE
 MID-JUNE





Percolation Test

Test No. PERC 1
 Reading _____ Time _____
 Saturation (15 min) 10:20 - 10:35
12
11
10
9 $\frac{2}{3}$
8 $\frac{7.46}{13}$
7
6

DESIGN RATE
 10.0 Min/Inch
 60"

Perc Rate _____
 Ground Elev. _____
 Depth of Hole _____

Test No. PERC 2 *- BANK CALLED IN
 - PULLED TAPE
 - NEW TEST ON PERC #3*
 Reading _____ Time _____
 Saturation (15 min) 10:35 - 10:50
12
11
10
9
8
7
6

*Stopped Filled
 Hole WITH
 MUD*

Perc. Rate _____
 Ground Elev. _____
 Depth of Hole _____

Min/Inch _____
 60"

Deep Test Pit/s

Test Pit _____
 Depth _____ Soil Description _____

 _____ *See attached logs*

Test Pit _____
 Depth _____ Soil Description _____

 _____ *See attached logs*

Groundwater Depth _____ Elev. _____
 Bedrock Depth _____ Elev. _____
 Ground Elev. _____

Groundwater Depth _____ Elev. _____
 Bedrock Depth _____ Elev. _____
 Ground Elev. _____

S.C.S. Soil Description TILL Seasonal High Water Table? AS NOTED

Bench Mark: Elev. _____ Description _____

COMMENTS: _____ Date: JUNE 15 1992

Client: JEFFERY HONIG

Engineer: WJ SIERUTA

Witness: D. ZARAZINSKI

Location of Perc: JEFF HONIG

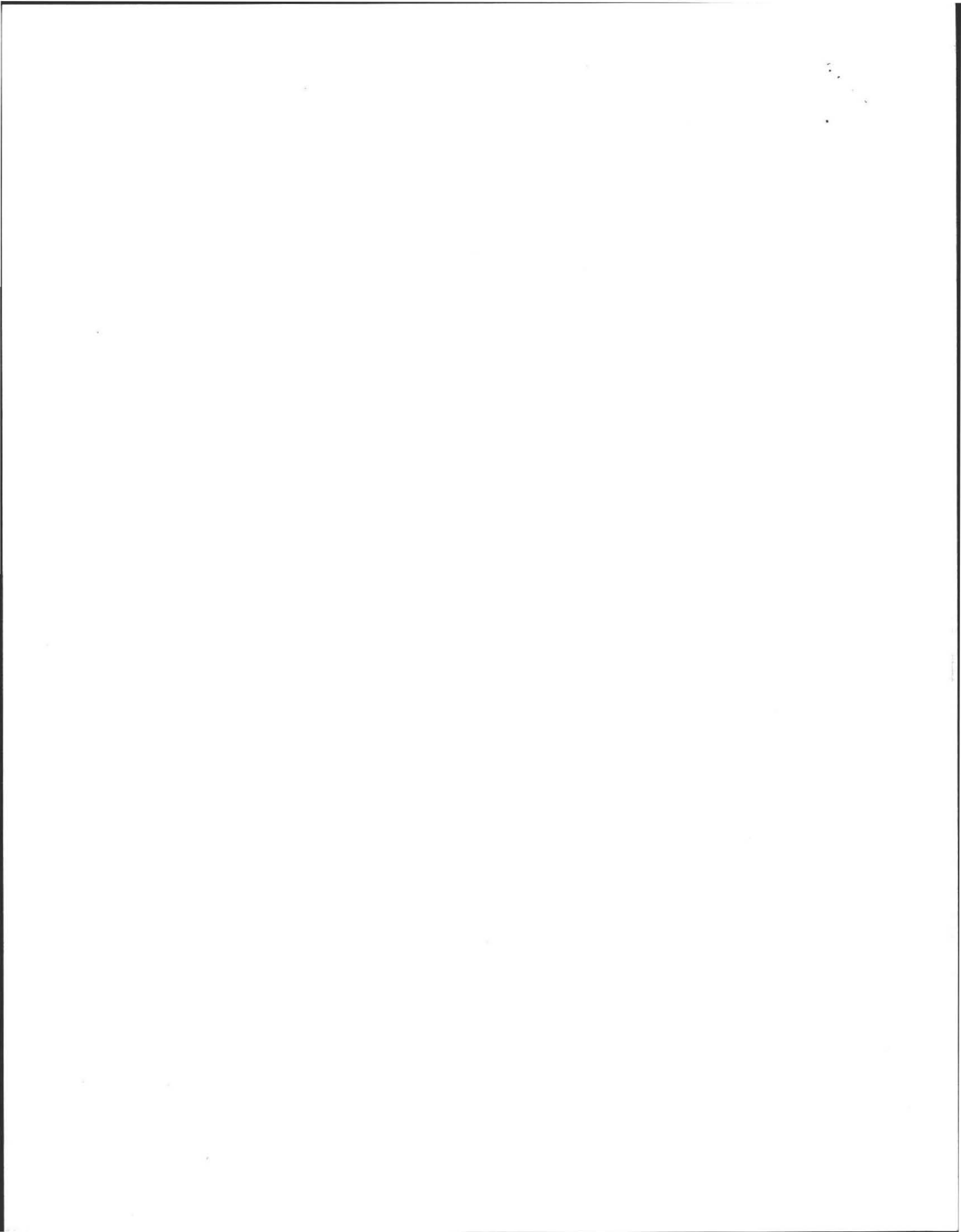
LOT 24 B LOT 2

STATION ROAD

Amherst MA



Carl Jazgumbur



Percolation Test

Test No. PRRC 3
 Reading _____ Time 10:22 - 10:37
 Saturation (15 min) _____
12 _____ 10:37
11 _____ 11:40
10 _____ 11:44
9 _____ 11:50
8 _____ 11:56
7 _____ 12:04
6 _____ 12:14

$\frac{24}{3} = 8.0$

Test No. _____
 Reading _____ Time _____
 Saturation (15 min) _____

Perc Rate _____
 Ground Elev. _____
 Depth of Hole 60"

Perc. Rate _____
 Ground Elev. _____
 Depth of Hole _____

Test Pit at TP-3
 Depth Soil Description
0-10 015 loam
10-24 silty sub soil
24-60 sandy gravel fill
60-10' compact gravel fill

Deep Test Pit/s
 Test Pit
 Depth Soil Description

Groundwater Depth 42" Elev. _____
 Bedrock Depth _____ Elev. _____
 Ground Elev. Oxides 42"

Groundwater Depth _____ Elev. _____
 Bedrock Depth _____ Elev. _____
 Ground Elev. _____

S.C.S. Soil Description fill Seasonal High Water Table? as noted

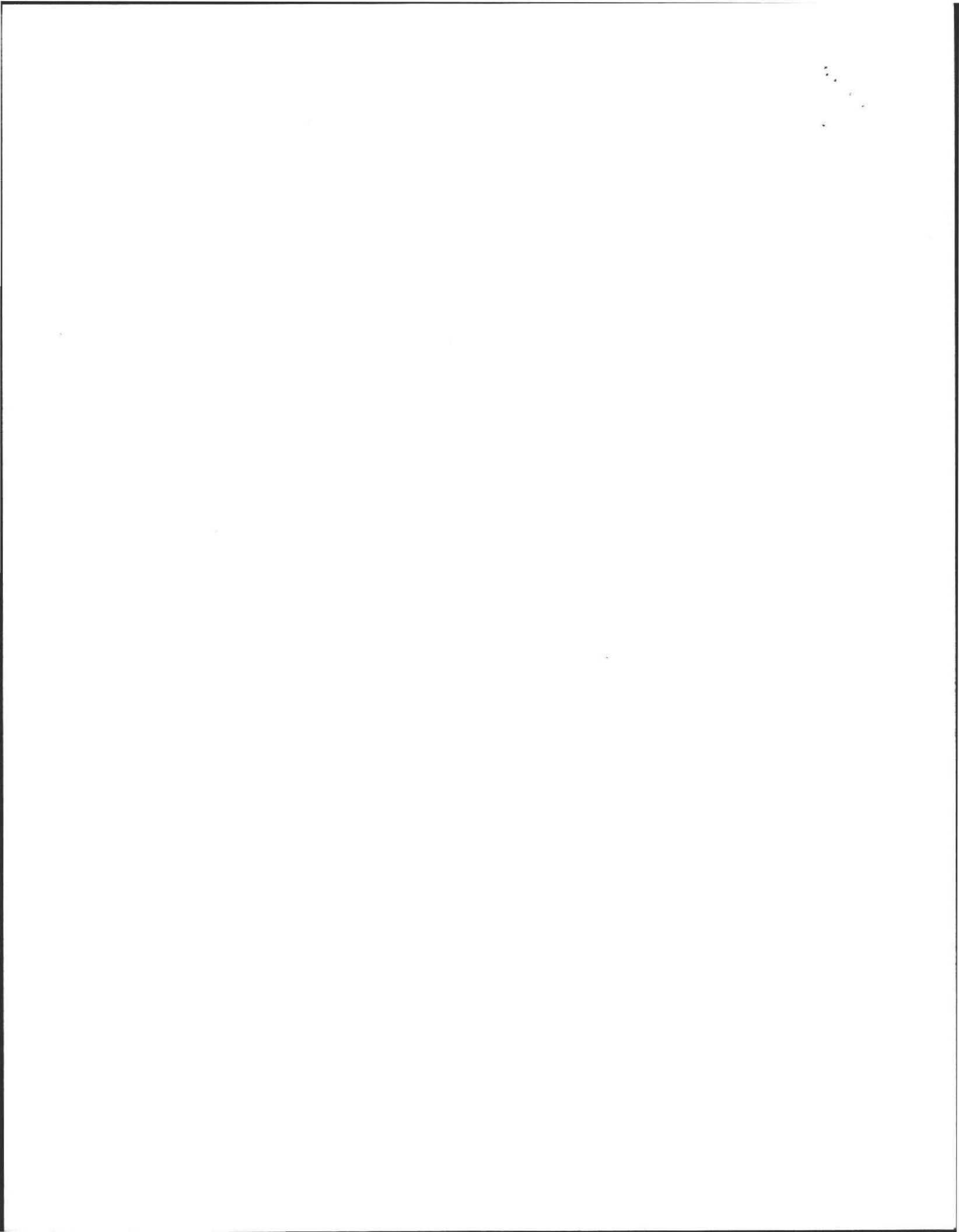
Bench Mark: Elev. _____ Description _____

COMMENTS:

Date: JUNE 16 1992
 Client: JERRY MONIG
PO BOX 142
Amherst MASS
 Engineer: W. SIKRUTA
 Witness: D. ZIMMERMAN
 Location of Perc: JEFF MONIG

LOT 295 LOT 2 STATION RD Amherst
Paul Zanzucker





Location Address or Lot No. 2413 (LOT 2) JEFF HOWIE

Determination for Seasonal High Water Table

Method Used:

- Depth observed standing in observation hole 48" inches
- Depth weeping from side of observation hole 48" inches
- Depth to soil mottles 36" inches
- Ground water adjustment feet EHWT 36"

Index Well Number Reading Date Index well level
Adjustment factor Adjusted ground water level

Depth of Naturally Occurring Pervious Material

Does at least four feet of naturally occurring pervious material exist in all areas observed throughout the area proposed for the soil absorption system? yes
If not, what is the depth of naturally occurring pervious material? _____

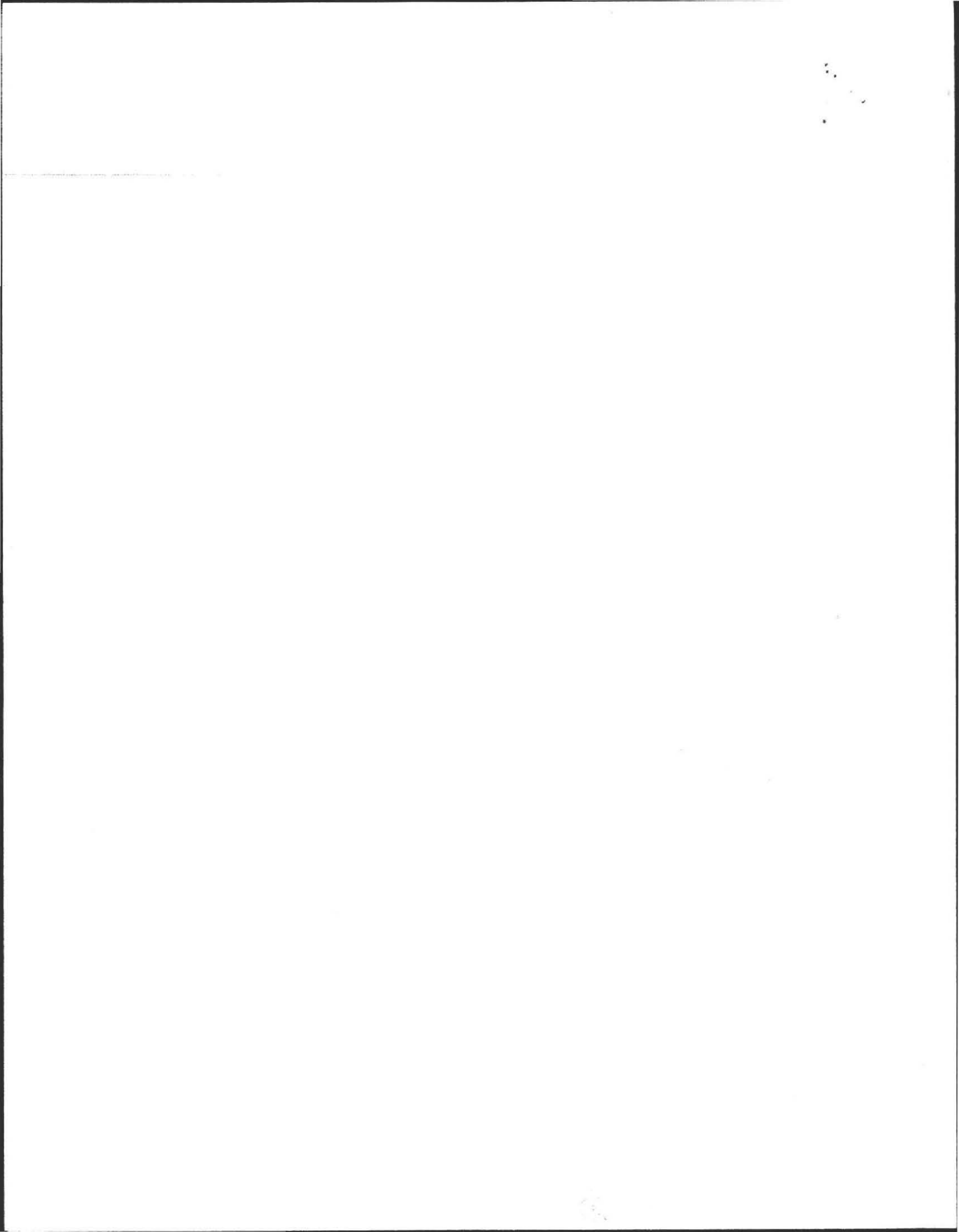
Certification

I certify that on 6/95 (date) I have passed the soil evaluator examination approved by the Department of Environmental Protection and that the above analysis was performed by me consistent with the required training, expertise and experience described in 310 CMR 15.017.



Signature William J. Sieruta Date 5/13/96





Location Address or Lot No. 24B (Lot 2)

On-site Review

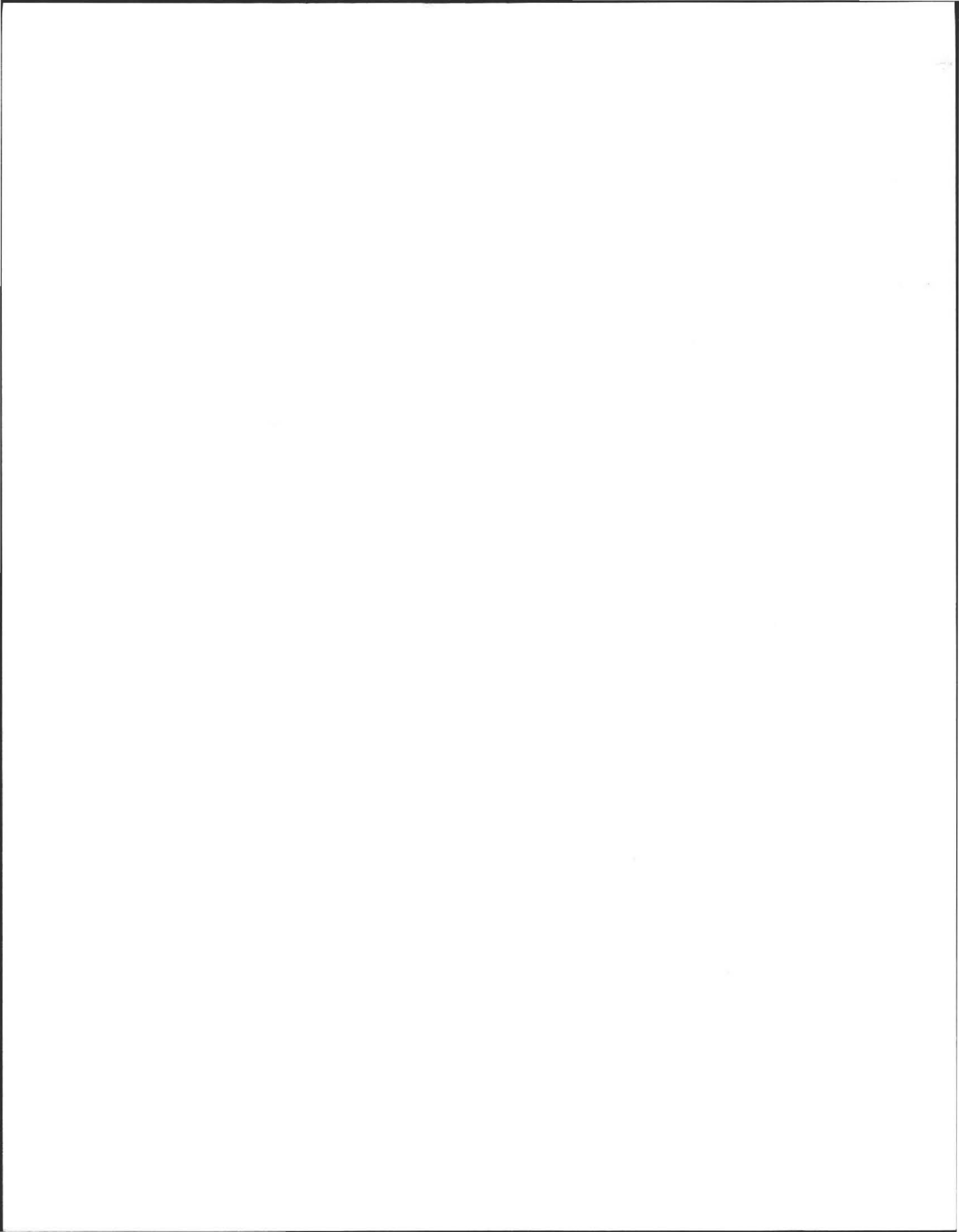
Deep Hole Number TP-1-2 Date: 5-13-96 Time: Prod Weather: Partial Sunny Warm
 Location (identify on site plan) See Log
 Land Use Resident Slope (%) _____ Surface Stones See cobbles notes
 Vegetation brush cover grown
 Landform outwash
 Position on landscape (sketch on the back)
 Distances from:
 Open Water Body _____ feet Drainage way 150' feet
 Possible Wet Area 100' feet Property Line 54' feet Front
 Drinking Water Well _____ feet Other 48' west - N. West Corner

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
12	AP	Sandy Loam	10YR 3-3		
24	Bw	"	10YR 5-4	10YR 4-6	
70	C ₁	"	10YR 6-2	10YR 5-6	15-25% Firm structural loam massive 20% cobbles
120	C ₂	loamy sand	10YR 6-1	50-60% mottles	AT 36 stone 20% cobbles gravel

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) OUT WASH T.M. Depth to Bedrock: 2119
 Depth to Groundwater: Standing Water in the Hole: 48" Weeping from Pit Face: 48"
 Estimated Seasonal High Ground Water: EST. 36" mottling





RECEIVED MAY 1996

RECEIVED MAY 21 1996

No. _____

Date: 5/13/96

Commonwealth of Massachusetts
Massachusetts

Soil Suitability Assessment for On-site Sewage Disposal

Performed By: William Sieruta PE Date: 5/13/96
Witnessed By: D. Zarozinski BOH

Location Address or Lot # <u>LOT 24 B LOT 2 STATION ROAD Amherst MASS</u>	Owner's Name, Address, and Telephone # <u>JEFF HONIG 190 N. PLEASANT APT 5 Amherst 01002 256 4598</u>
New Construction <input checked="" type="checkbox"/> Repair <input type="checkbox"/>	

Office Review

Published Soil Survey Available: No Yes

Year Published _____ Publication Scale _____ Soil Map Unit _____
Drainage Class _____ Soil Limitations _____

Surficial Geologic Report Available: No Yes

Year Published _____ Publication Scale _____
Geologic Material (Map Unit) _____

Landform _____

Flood Insurance Rate Map:

Above 500 year flood boundary No Yes

Within 500 year flood boundary No Yes

Within 100 year flood boundary No Yes

Wetland Area: OUTSIDE wetlands per con com.

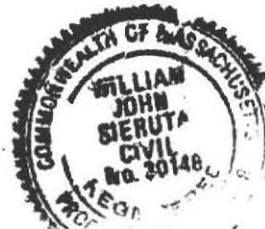
National Wetland Inventory Map (map unit) NO

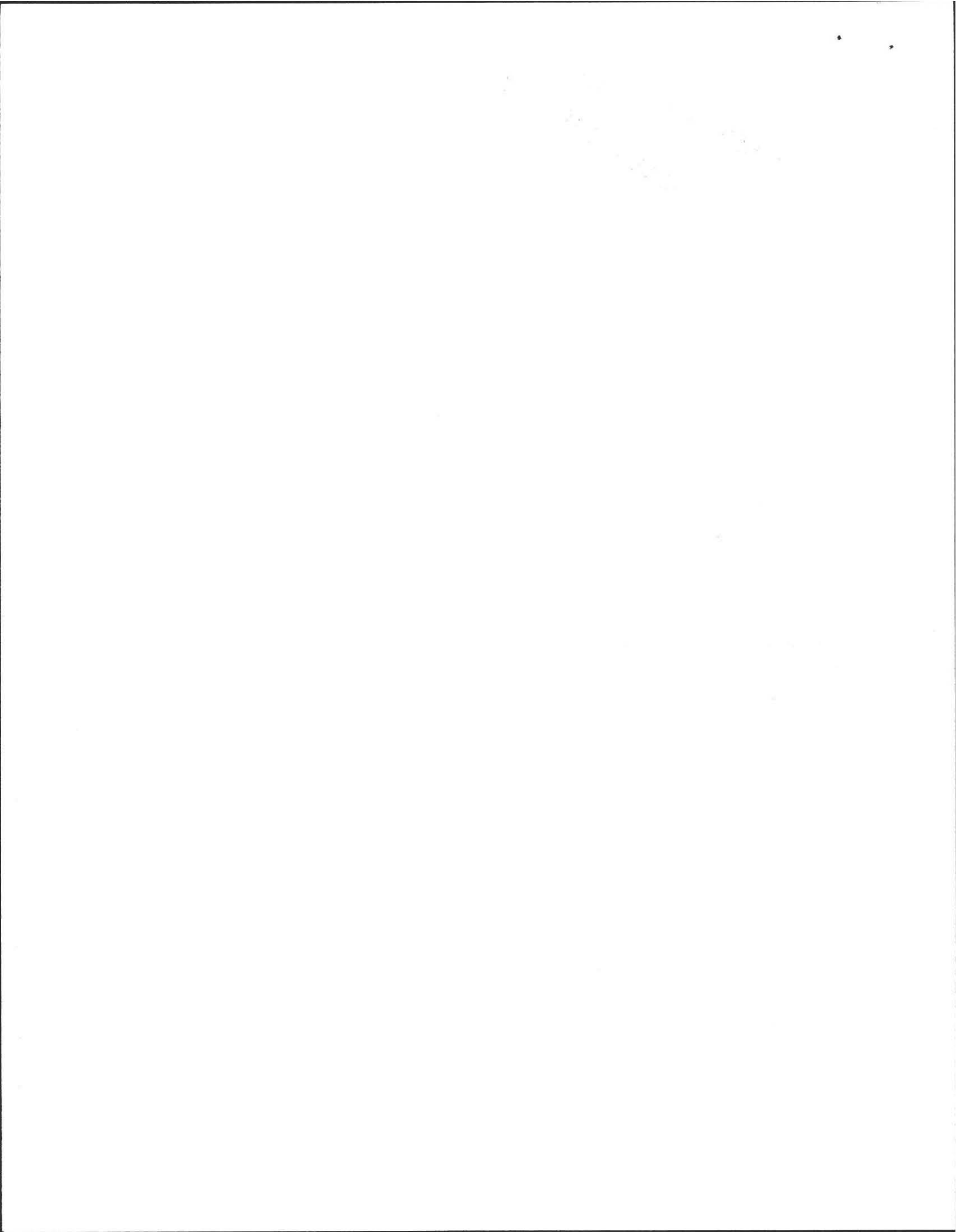
Wetlands Conservancy Program Map (map unit) NO

Current Water Resource Conditions (USGS): Month

Range: Above Normal Normal Below Normal

Other References Reviewed: _____





On-site Review

Deep Hole Number ATTP-1 Date: 5/13/96 Time: 8:30 Weather PARTIAL CLOUDY WARM
 Location (Identify on site plan) see original perc logs
 Land Use residential Slope (%) 2% Surface Stones some cobbles noted
 Vegetation brush over grown
 Landform OUTWASH TERRACE
 Position on landscape (sketch on the back) _____
 Distances from:
 Open Water Body — feet Drainageway 150' feet
 Possible Wet Area 100' feet Property Line 54' feet FRONT PROP LINE
 Drinking Water Well DNA feet Other 50' EAST SIDE LINE

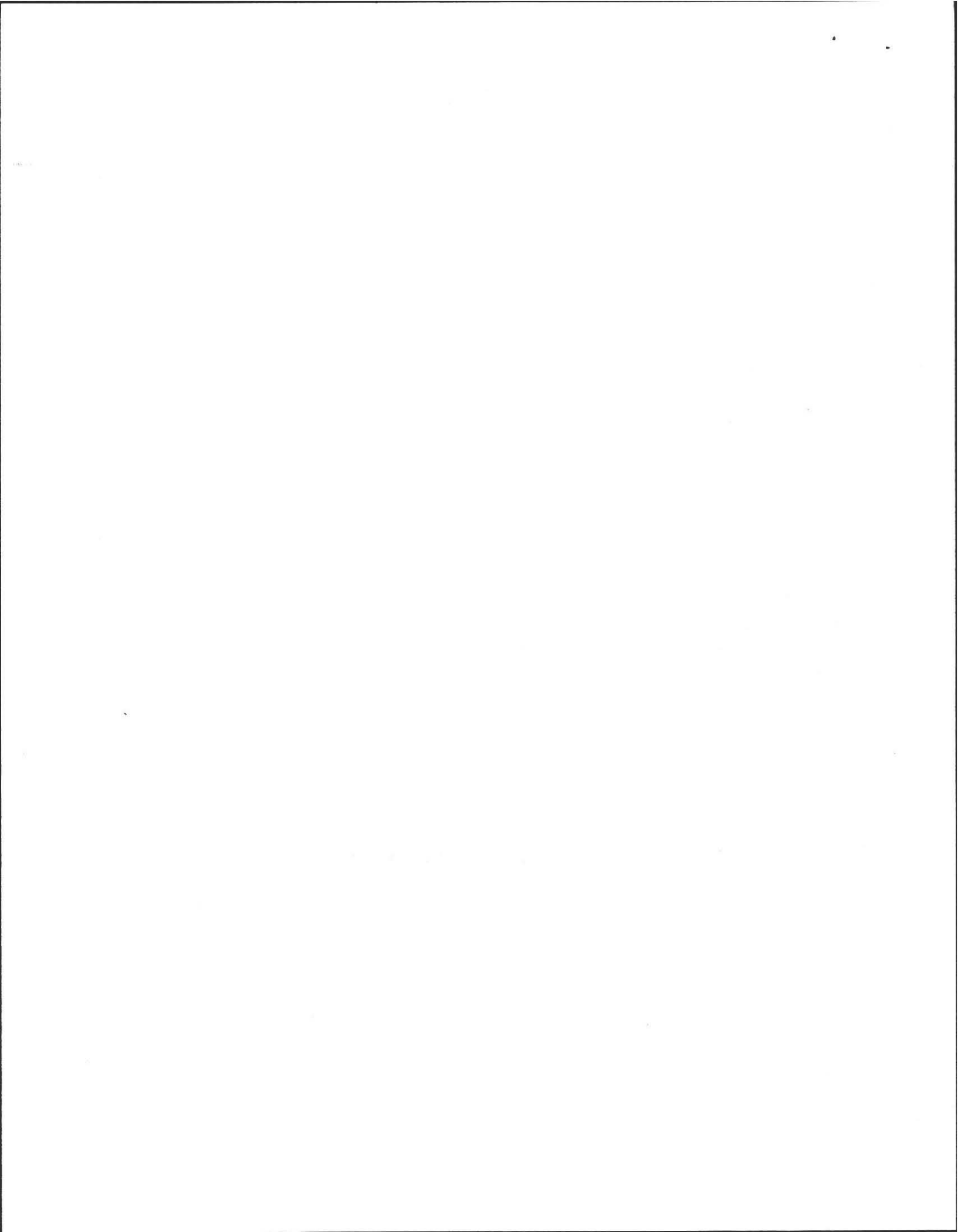
DEEP OBSERVATION HOLE LOG

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Moisture	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0-12	AP	SANDY LOAM	10YR 3-3		
12-24	BW	SANDY LOAM	10YR 5-4	Wet	
24-72	C1	SANDY LOAM	10YR 6-2	15/20% mottling @ 40"	FIRM structure less to MASSIVE
72-120	C2	SANDY LOAM	10YR 6-1	50% 60% mottling @ 72-120	20% gravel 20% stone med to FIR



OUTWASH TAIL

Parent Material (geologic) _____ Depth to Bedrock: DNA
 Depth to Groundwater: KNWT 40" Standing Water in the Hole: 60" Weeping from Pit Face: weeping
 Estimated Seasonal High Ground Water: 40" 41



Location Address or Lot No. 24B (LOT 2) JEFF HONIG

On-site Review

Deep Hole Number AT TP-2 Date: 5/13/90 Time: 8:00 Weather PARTIAL SUNNY WARM
 Location (identify on site plan) see original perc logs
 Land Use resident Slope (%) 2% Surface Stones some cobbles noted
 Vegetation brush over grown
 Landform OUTWASH TERRACE
 Position on landscape (sketch on the back)

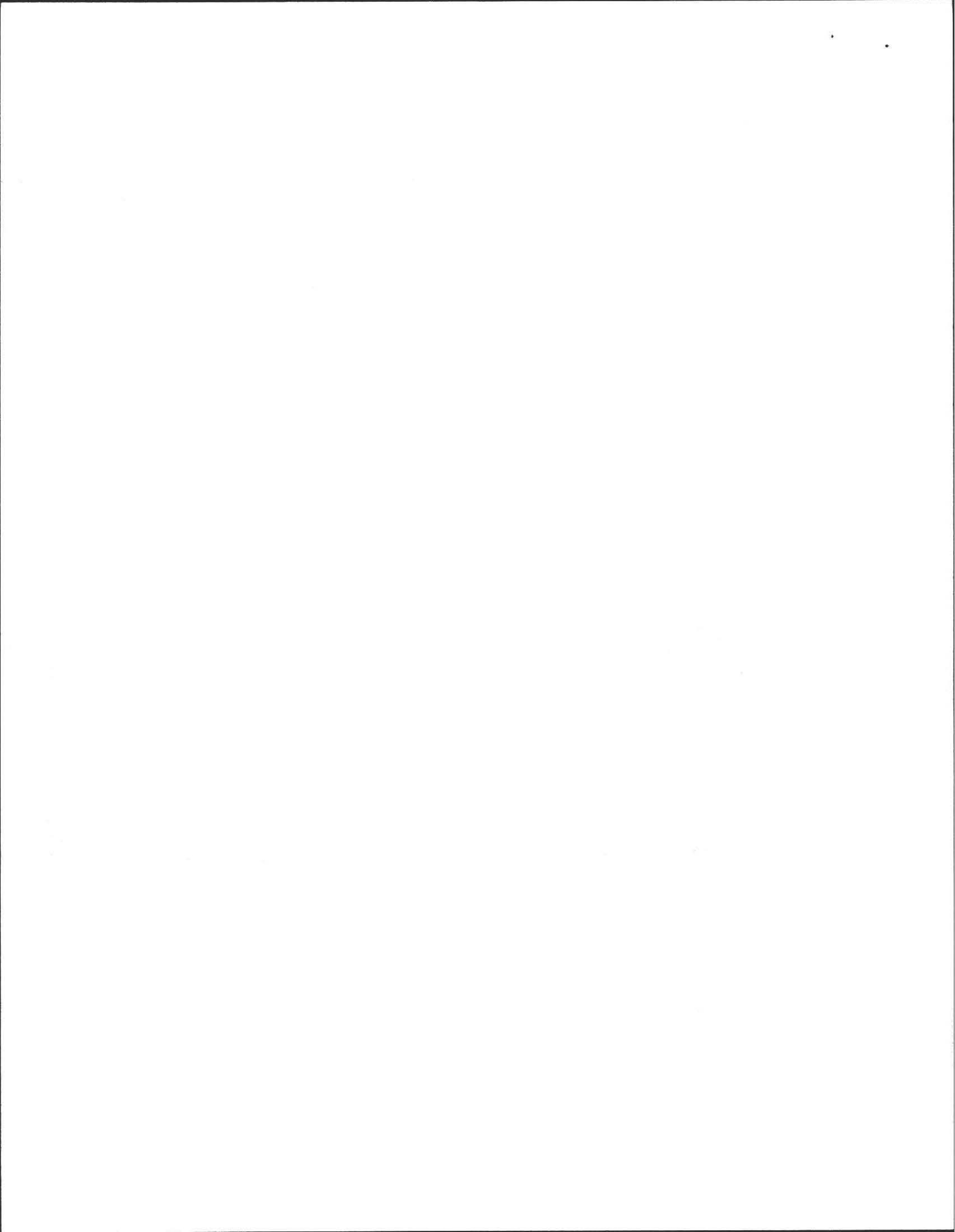
Distances from:
 Open Water Body - feet
 Possible Wet Area 100' feet
 Drinking Water Well DNA feet
 Drainage way 150' feet
 Property Line 54' feet FRONT
 Other 45' side (west Northwest) CORN.

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0-12	Ap	SANDY LOAM	10YR 8-3		
12-24	Bw	SANDY LOAM	10YR 5-4	10YR 4-6	
24-70	C1	SANDY LOAM	10YR 6-2	10YR 5-4	15-25% FIRM STRUCTURELESS MASSIVE @ 36" 20% cobbles 20% gravel
70-120	C2	LOAMY SAND	10YR 6-1	50% 60% mottles	STRUCTURELESS MASSIVE 20% gravel 20% stone MED to FIRM FRISIBLE

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic) OUTWASH TILL Depth to Bedrock: DNA
 Depth to Groundwater: Standing Water in the Hole: 48" Weeping from Pit Face: 48"
 Estimated Seasonal High Ground Water: FEW FT 36" mottling





Percolation Test

TRST PERM IN JUNE

Test No. TP-1-3
 Reading _____ Time _____
 Saturation (15 min) _____
0-10" OTS
10-24" Silty Sub
24-60" Sandy Gravel Till
60"-10' Compact Gravel
Till
H₂O 42"
Oxides 42"
 Perc Rate _____ Min/Inch
 Ground Elev. _____
 Depth of Hole _____

Test No. _____
 Reading _____ Time _____
 Saturation (15 min) _____

 Perc. Rate _____ Min/Inch
 Ground Elev. _____
 Depth of Hole _____

Test Pit TP1-1
 Depth Soil Description
0-12" OTS LOAM
12-24" SILTY SUB SOIL
24-6' WHITE GRAY TILL COMPACT
 Groundwater Depth 36" Elev. _____
 Bedrock Depth _____ Elev. _____
 Ground Elev. _____

Deep Test Pit/s Test Pit TP1-2
 Depth Soil Description
0-10" OTS
10-24" Silty Brown Subsoil
24"-~~36"~~ Sandy Gravel Till
53-120" Oxidized 36" Compact Gravel Till
 Groundwater Depth 53" Elev. _____
 Bedrock Depth _____ Elev. _____
 Ground Elev. _____

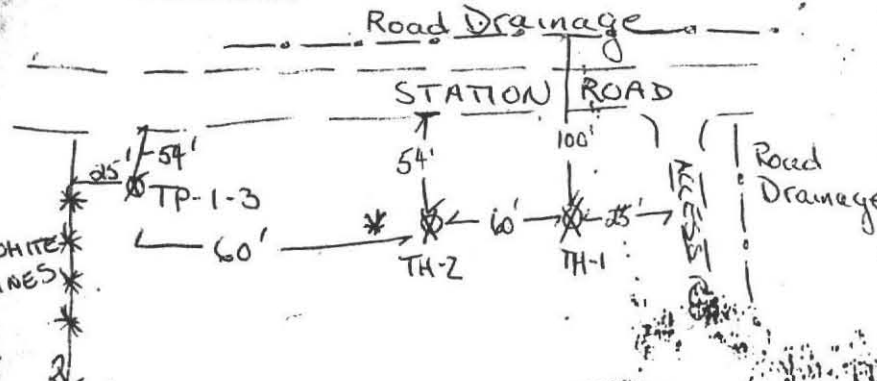
S.C.S. Soil Description _____ Seasonal High Water Table? _____
 Bench Mark: Elev. _____ Description _____

David Zarozinski HD

COMMENTS:

Date: APRIL 8, 1992
 Client: JEFF HONIG
P.O. Box 142, AMHERST

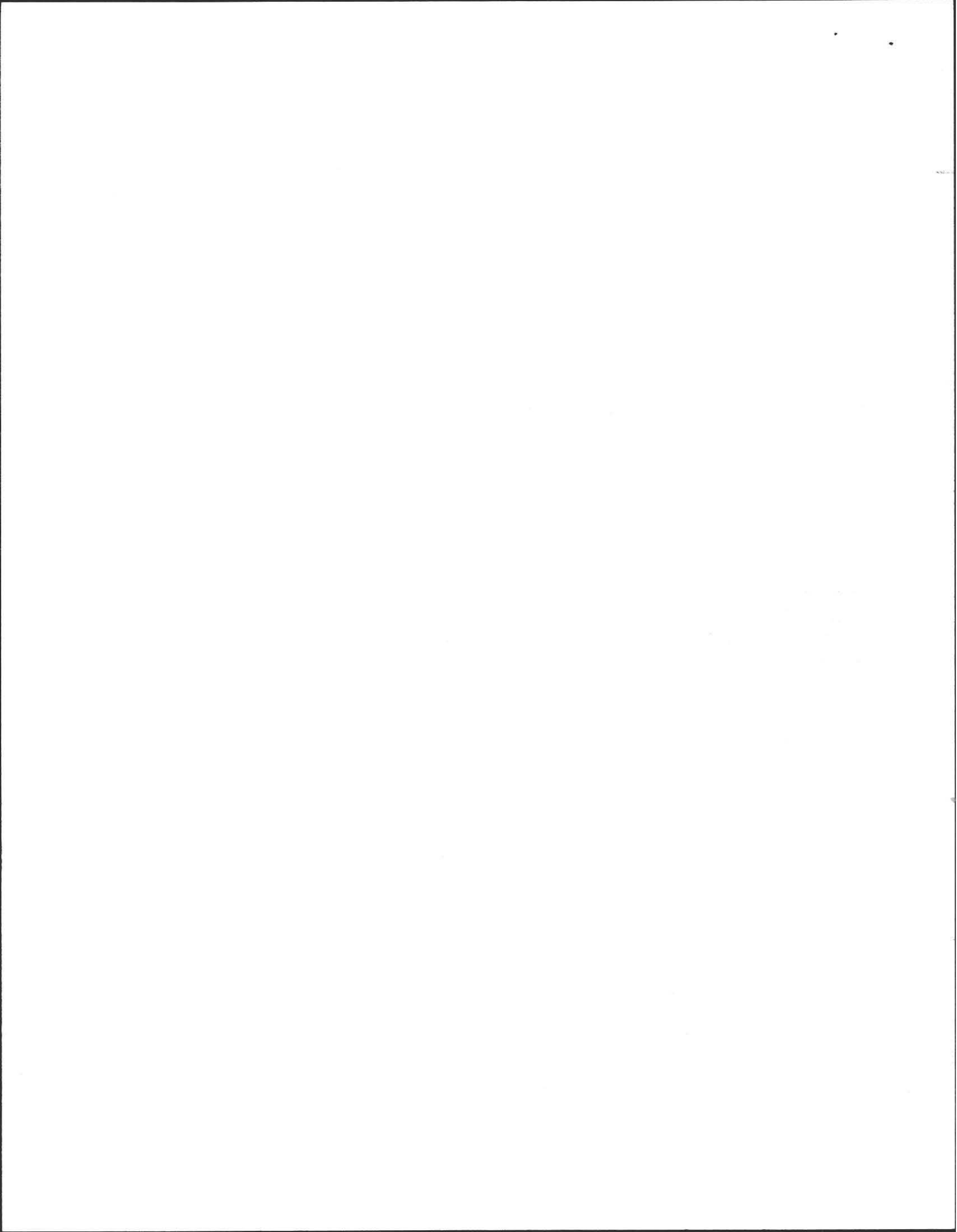
Engineer: SIERUTA / BARRY
 Witness: DAVID ZAROZINSKI
 Location of Perc: STATION ROAD, AMHERST
LOT 29B LOT 2



NOTIFY CONSERVATION COMMISSION

PERC SCHEDULED MID-JUNE





Percolation Test

Test No. PERC 1
 Reading _____ Time _____
 Saturation (15 min) 10:20 - 10:35
12
11
10 $\frac{2}{3}$
9 $\frac{1}{3}$
8 $\frac{1}{3}$ 7.66
7
6

Perc Rate _____
 Ground Elev. _____
 Depth of Hole _____

10:35
10:37
10:40
10:45
10:50
10:57
11:06
 DESIGN RATE
 10.0 Min/Inch
60'

Test No. PERC 2
 Reading _____ Time _____
 Saturation (15 min) 10:35 - 10:50
12
11
10
9
8
7
6

Perc. Rate _____
 Ground Elev. _____
 Depth of Hole _____

10:50
10:57
11:13
11:30
 Stopped Filled
 hole WITH
 MUD
 Min/Inch _____
60"

Deep Test Pit/s

Test Pit _____
 Depth _____ Soil Description _____

see attached
logs

Groundwater Depth _____ Elev. _____
 Bedrock Depth _____ Elev. _____
 Ground Elev. _____

Test Pit _____
 Depth _____ Soil Description _____

see attached
logs

Groundwater Depth _____ Elev. _____
 Bedrock Depth _____ Elev. _____
 Ground Elev. _____

S.C.S. Soil Description TILL Seasonal High Water Table? AS NOTED
 Bench Mark: Elev. _____ Description _____

COMMENTS:

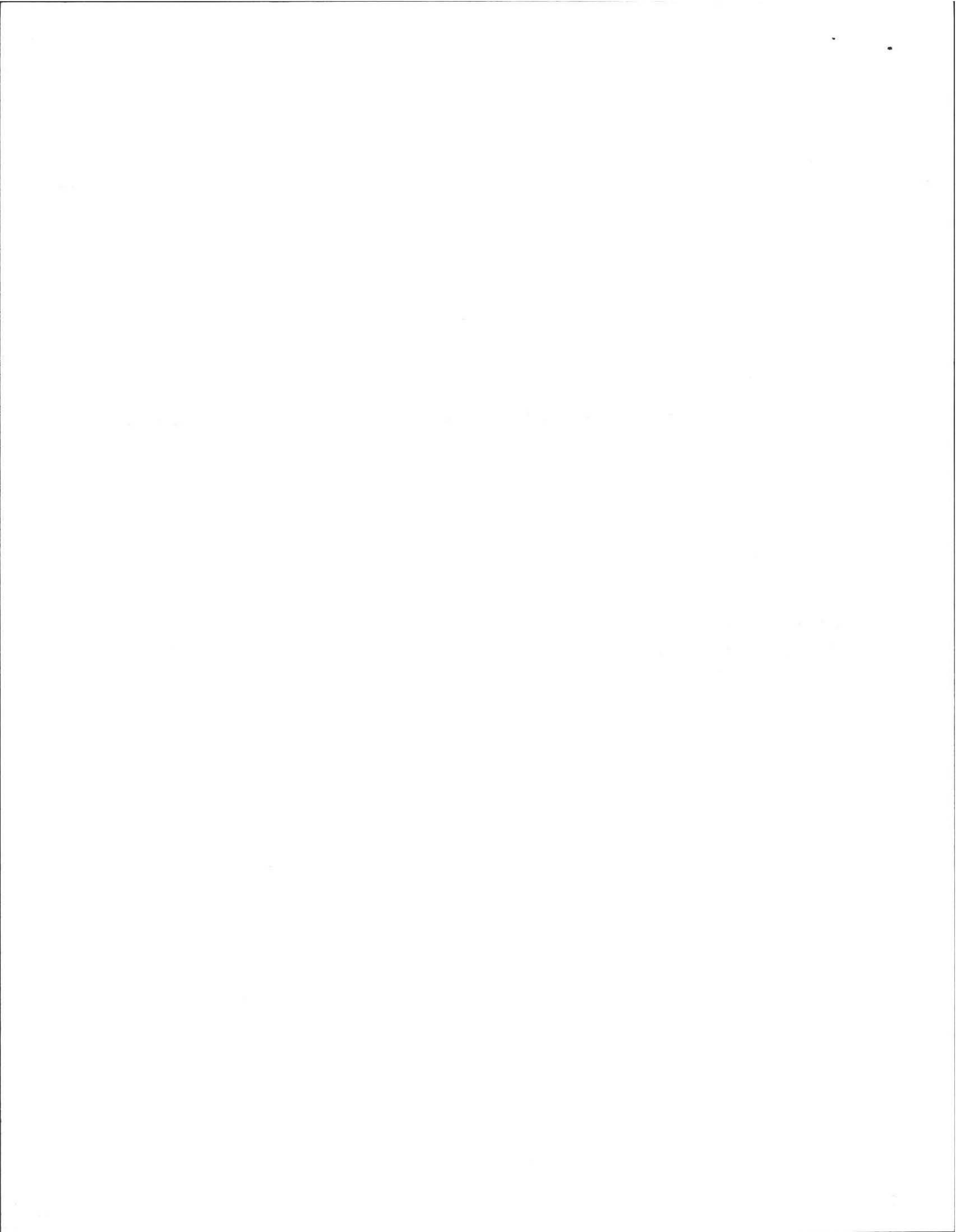
Date: JUNE 15 1992
 Client: JEFFERY HONIG

Engineer: WJ SIERUTA
 Witness: D. ZARAZIUSKI
 Location of Perc: JEFF HONIG

LOT 24 B LOT 2
STATION ROAD
Amherst MA



Carl Jazgwicki



Percolation Test

Test No. PERC 3
 Reading _____ Time 10:22 - 10:37
 Saturation (15 min) _____
12 _____ 10:37
11 _____ 11:40
10 _____ 11:44
9 _____ 11:50
8 _____ 11:56
7 _____ 12:04
6 _____ 12:14 10.
 24/13 = 8.0

Test No. _____
 Reading _____ Time _____
 Saturation (15 min) _____

Perc Rate _____
 Ground Elev. _____
 Depth of Hole 60"

Perc. Rate _____
 Ground Elev. _____
 Depth of Hole _____

Test Pit at TP-3 Deep Test Pit/s _____
 Depth Soil Description
0-10 OTS LOAM
10-24 SILTY SUB SOIL
24-60 SANDY GRAVEL FILL
60-10' COMPACT GRAVEL
FILL

Test Pit _____
 Depth Soil Description

Groundwater Depth 42" Elev. _____
 Bedrock Depth _____ Elev. _____
 Ground Elev. Oxides 42"

Groundwater Depth _____ Elev. _____
 Bedrock Depth _____ Elev. _____
 Ground Elev. _____

S.C.S. Soil Description FILL Seasonal High Water Table? AS NOTED

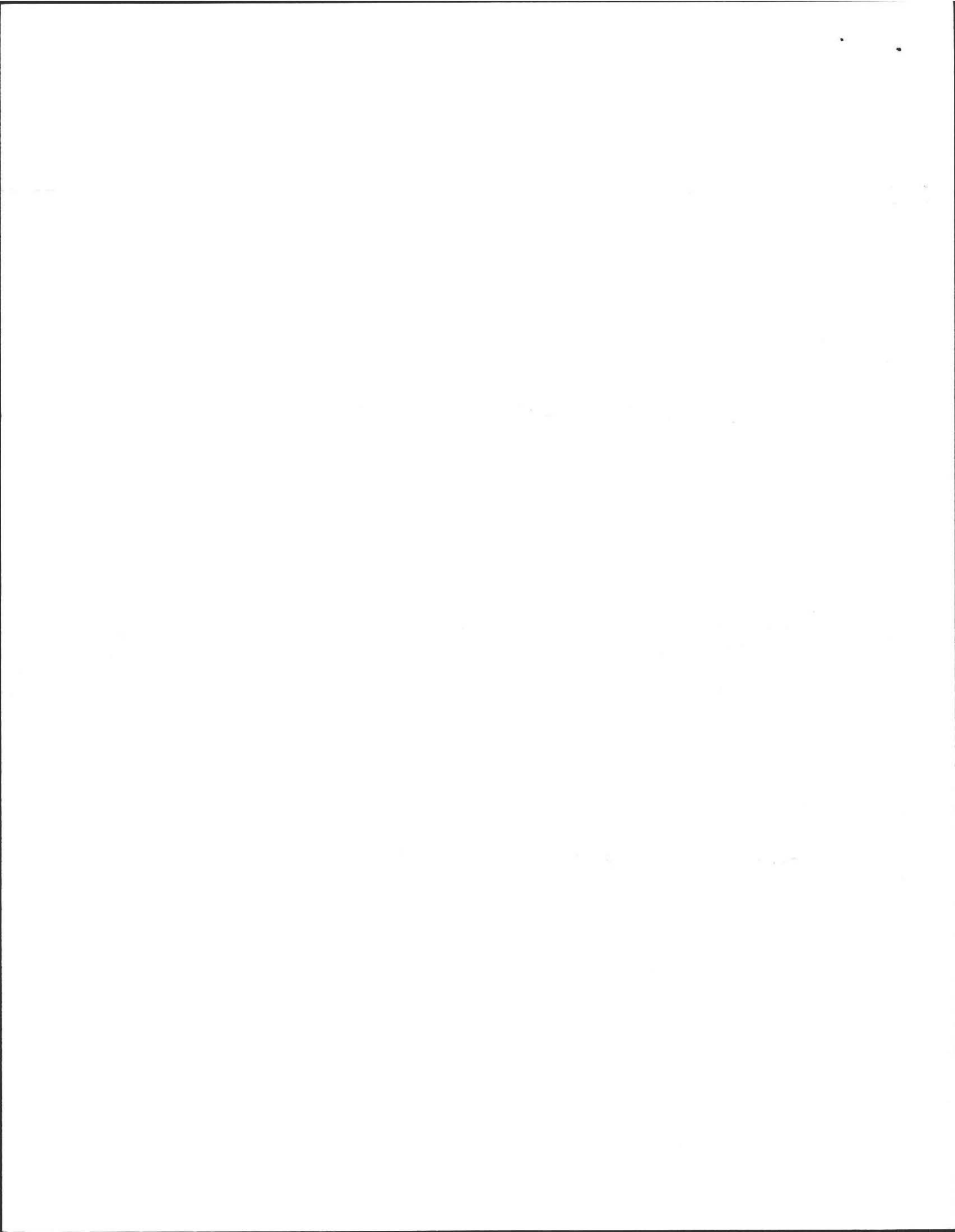
Bench Mark: Elev. _____ Description _____

COMMENTS:

Date: JUNE 16 1992
 Client: JEFF HONIG
PO BOX 142
Amherst MA 01005
 Engineer: WJ SIERUTA
 Witness: D ZARADUSKI
 Location of Perc: _____

LOT 29.5 LOT 2 STATION RD Amherst
Paul Zanzucker





Location Address or Lot No. 2413 (LOT 2) JEFF HOWIE

Determination for Seasonal High Water Table

Method Used:

- Depth observed standing in observation hole 48" inches
- Depth weeping from side of observation hole 48" inches
- Depth to soil mottles 36" inches
- Ground water adjustment feet EHWT 36"

Index Well Number Reading Date Index well level

Adjustment factor Adjusted ground water level

Depth of Naturally Occurring Pervious Material

Does at least four feet of naturally occurring pervious material exist in all areas observed throughout the area proposed for the soil absorption system? yes

If not, what is the depth of naturally occurring pervious material? _____

Certification

I certify that on 6/95 (date) I have passed the soil evaluator examination approved by the Department of Environmental Protection and that the above analysis was performed by me consistent with the required training, expertise and experience described in 310 CMR 15.017.



Signature William J. Sieruta Date 5/13/96







93-7

ck 168-4/18/92 Pd. 100⁰⁰ Row Ted

FEE 6/18/93
Pd. 60⁰⁰ FOR PLAN
JEFF HONIG ck # 588

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF Amherst, MASS

Application for Disposal Works Construction Permit

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

256-4595
JEFF HONIG LOT 2 STATION ROAD Amherst MA
JEFF HONIG PO BOX 142 Amherst MASS
Location - Address or Lot No.
Owner Address

Type of Building Dwelling — No. of Bedrooms 3 Bedroom Expansion Attic (No) Garbage Grinder (No)
Size Lot 3.001 Acres Sq. feet

Other — Type of Building Resident No. of persons 4 Showers (2) — Cafeteria (No)
Other fixtures WALK OUT BMT WITH FOUNDATION

Design Flow 110 gallons per person per day. Total daily flow 120 x 3 x 1.25 gallons 437

Septic Tank — Liquid capacity 1500 gallons Length 10'6" Width 5' Diameter 5' Depth 5'

Disposal Trench — No. 2 Width 36" Total Length 124' Total leaching area sq. ft.

Seepage Pit No. Diameter Depth below inlet 12" Total leaching area sq. ft.

Other Distribution box (1) Dosing tank () Bottom 372 Sides 298

Percolation Test Results Performed by WILLIAM SIKRUYA Date APR 18 JUNE 15

Test Pit No. 1 10 minutes per inch Depth of Test Pit 60" Depth to ground water D.N.A.

Test Pit No. 2 10 minutes per inch Depth of Test Pit 60" Depth to ground water D.N.A.

Description of Soil TPI-1 0-12 OTS LOAM 12-24 SILTY SUB SOIL
24-72 SANDY WHITE GRANUL FILL STOPPED HOLD
H2O 36" TPI-2 0-10 OTS LOAM 10-24 SILTY SUB
SOIL 24-53 WHITE GRANUL FILL 53-120 BROWN GRANUL FILL

Nature of Repairs or Alterations — Answer when applicable H2O 53 TPI-3 0-10 OTS 10-24 SILTY SUB
24-60 SANDY FILL 60-720 FILL H2O 9"
perc last permeability conducted 6/17/92

Agreement: Deep test pits 4/18/92

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 X Jeff Honig FEB. 5 93

Application Approved By [Signature] Date 6/18/93

Application Disapproved for the following reasons:

Permit No. 93-7 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 ()

by Lot 2 Station Road 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. 93-7 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





93-7

ck 168-4/18/92 Pd. 100⁰⁰ Rates
FEE 6/18/93
Pd. 60⁰⁰ FOR PLAN
JEFF HONIG ck 588

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF Amherst, MASS

Application for Disposal Works Construction Permit

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

JEFF HONIG LOT 2 STATION ROAD Amherst MA
JEFF HONIG PO BOX 192 Amherst MASS
Location - Address or Lot No.
Owner Address

Type of Building Dwelling — No. of Bedrooms 3 Bedroom Expansion Attic (NO) Garbage Grinder (NO)
Other — Type of Building Apartment No. of persons 4 Showers (2) — Cafeteria (NO)
Other fixtures WALK OUT BUT WITH FOUNDATION

Design Flow 110 gallons per person per day. Total daily flow 110 x 3 = 330 gallons. 437
Septic Tank — Liquid capacity 600 gallons Length 10'6" Width 5' Diameter 5' Depth 5'
Disposal Trench — No. 2 Width 36" Total Length 124' Total leaching area sq. ft.
Seepage Pit No. Diameter 12" Depth below inlet 12" Total leaching area sq. ft.

Other Distribution box () Dosing tank ()
Percolation Test Results Performed by WILLIAM SIKRUTA Date APR 18 JUN 15
Test Pit No. 1 10 minutes per inch Depth of Test Pit 60" Depth to ground water DNA
Test Pit No. 2 10 minutes per inch Depth of Test Pit 60" Depth to ground water DNA

Description of Soil TPI-1 0-10 OTS LOAM 12-24 SILTY SUB SOIL
29-72 SANDY WHITE GRANUL FILL STOPPED NO CO
H2O 30" TPI-2 0-10 OTS LOAM 10-24 SILTY SUB
SOIL 27-53 WHITE GRANUL FILL 33-120 SANDY GRANUL FILL
H2O 53 TPI-3 0-10 OTS 10-24 SILTY SUB

Nature of Repairs or Alterations — Answer when applicable perc test permeability cancelled 6/17/92
Agreement: deep test pits 4/18/92

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 Jeff Honig
Application Approved By [Signature] Date 6/18/93
Application Disapproved for the following reasons:

Permit No. 93-7 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 (X) or Repaired () by Lot 2 Station Road Installer

at Lot 2 Station Road 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. 93-7 dated

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

DATE Inspector

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF Amherst

Disposal Works Construction Permit

Permission is hereby granted to Construct (X) or Repair () an Individual Sewage Disposal System at No. Lot 2 Station Road Street

as shown on the application for Disposal Works Construction Permit No. 93-7 Dated

DATE 6/3/93 Board of Health

CHECK OR FILL IN WHERE APPLICABLE



100
100
100

100
100
100

100
100
100

100
100
100

100
100
100

100
100
100

100
100
100

100
100
100

100
100
100

100
100
100

100
100
100

1.12 miles

TOWN OF Amherst

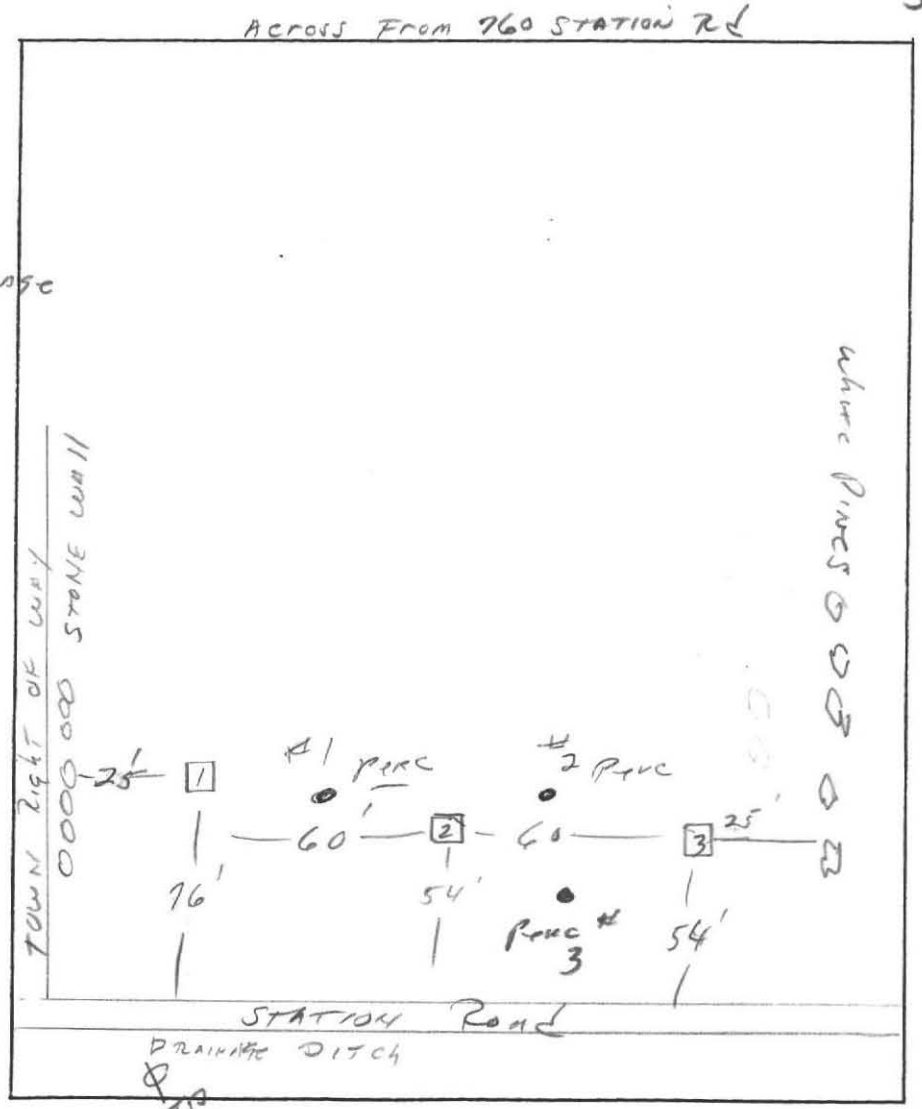
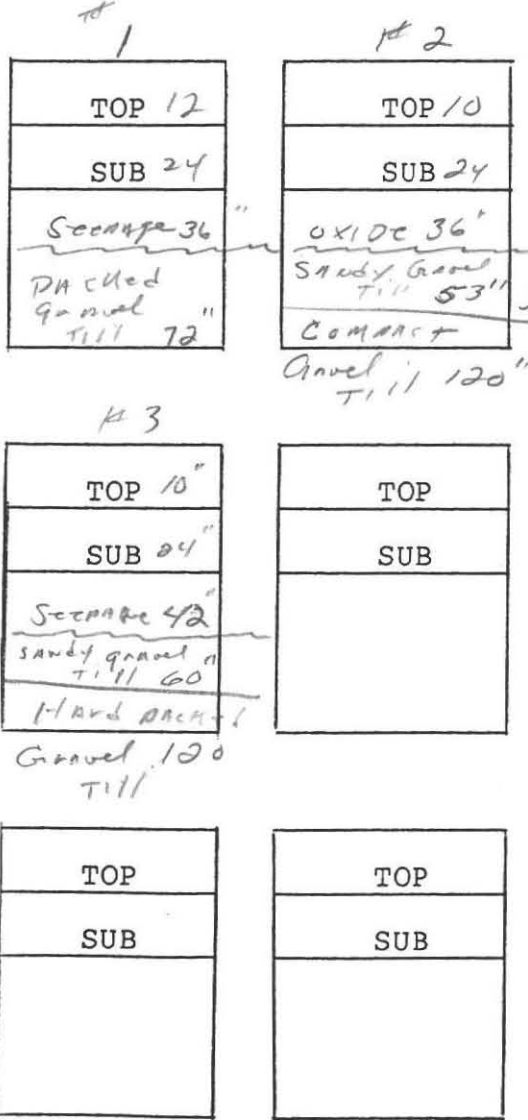
PREPOSTEROUS PRODUCTS
CHK 168
PL 100 ONLY

PERC TEST DATA SHEET

DATE 4/8/92 LOCATION STATION ROAD LOT SIZE _____
OWNER JEFF HONIG ADDRESS PREPOSTEROUS PRODUCTS TELE # 256-4595
PO BOX 142
AMHERST VT
P.E./RS JOHN BARRY FIRM BILL SIERUTA OBSERVED BY DAVID ZAROWSKY
BACK HOE OPERATOR BILL SIERUTA BENCH MARK _____

PERC TEST	DEPTH	PRE SOAK TIME	PERC TEST	DEPTH	PRE SOAK TIME
	60	10:20		68"	10:35
	616192				
	10:35	12"		12"	10:50
	10:37	11"		11"	10:57
	10:40	10"		10"	11:13
	10:45	9"		9"	11:30

RATE 10 RATE BANK CAVED IN Pulled TAKE
NEW TEST # 3



EHI:PERCFORM

15T
137
E1

Over

10

16" 11:44
11" 11:40
12" 11:37
11:22 - 11:37
9" 11:50
8" 11:56
7" 12:04
6" 12:15

#3 Race
D.O.P 5-9"

Percolation Test

Test No. TP-1-3

Reading _____ Time _____
Saturation (15 min) _____

0-10" CTS
10-24" Silty Sub
24-60" Sandy Gravel Till
60"-10' Compact Gravel
Till
H₂O 42"
Oxides 42"

Perc Rate _____ Min/Inch
Ground Elev. _____
Depth of Hole _____

TRST PERM IN JUNE

Test No. _____
Reading _____ Time _____
Saturation (15 min) _____

Perc. Rate _____ Min/Inch
Ground Elev. _____
Depth of Hole _____

Test Pit TP1-1
Depth Soil Description
0-12" CTS LOAM
12-24" SILTY SUB SOIL
24-6' WHITE GRAVEL
TILL COMPACT

Groundwater Depth 36" Elev. _____
Bedrock Depth _____ Elev. _____
Ground Elev. _____

Deep Test Pit/s
Test Pit TP1-2
Depth Soil Description
0-10" CTS
10-24" Silty Brown Subsoil
24"-~~33~~ Sandy Gravel Till
53-100" Oxidized 36"
Compact Gravel Till

Groundwater Depth 53" Elev. _____
Bedrock Depth _____ Elev. _____
Ground Elev. _____

S.C.S. Soil Description _____ Seasonal High Water Table? _____
Bench Mark: Elev. _____ Description David Zarozinski H1

COMMENTS:

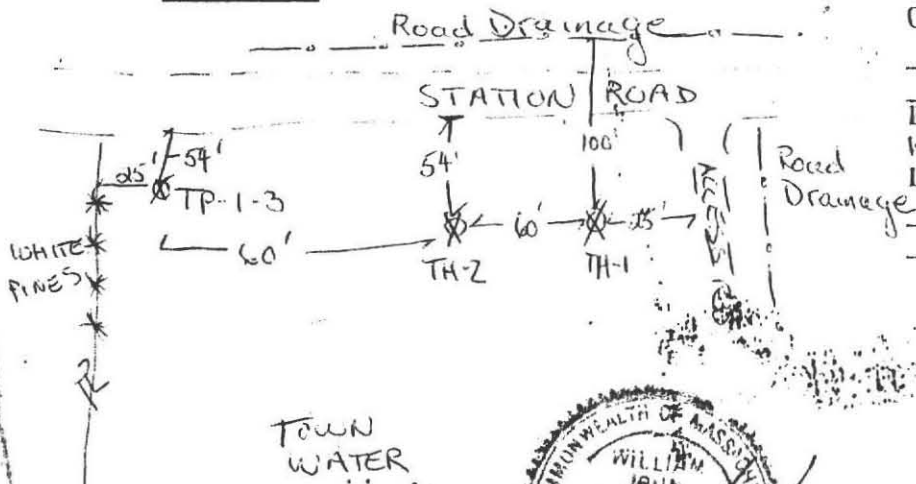
Date: APRIL 8, 1992
Client: JEFF HONIG
P.O. Box 142, AMHERST

Engineer: SIERUTA / BARRY
Witness: DAVID ZAROZINSKI
Location of Perc: _____

STATION ROAD, AMHERST
LOT 29B LOT 2

NOTIFY CONSERVATION COMMISSION

PERC SCHEDULE FOR MID JUNE



Percolation Test

Test No. PERC 1
 Reading _____ Time _____
 Saturation (15 min) 10:20 - 10:35
12 _____
11 _____
10 _____
9 2/3 _____
8 7.66 _____
7 _____
6 _____

Perc Rate _____
 Ground Elev. _____
 Depth of Hole _____

DESIGN RATE
10.0 Min/Inch
60"

Test No. PERC 2 - BANK CALLED IN
 Reading _____ Time _____
 Saturation (15 min) 10:35 - 10:50
12 _____
11 _____
10 _____
9 _____
8 _____
7 _____
6 _____

Perc. Rate _____
 Ground Elev. _____
 Depth of Hole _____

10:50
10:57
11:13
11:30
Stopped Filled
hole WITH
MUD

Min/Inch _____

60"

Deep Test Pit/s

Test Pit _____
 Depth _____ Soil Description _____

see
attached
logs

Test Pit _____
 Depth _____ Soil Description _____

see attached
logs

Groundwater Depth _____ Elev. _____
 Bedrock Depth _____ Elev. _____
 Ground Elev. _____

Groundwater Depth _____ Elev. _____
 Bedrock Depth _____ Elev. _____
 Ground Elev. _____

S.C.S. Soil Description TILL Seasonal High Water Table? AS NOTED

Bench Mark: Elev. _____ Description _____

COMMENTS:

Date: JUNE 15 1992
 Client: JEFFERY HONIG

Engineer: WJSTERUTA
 Witness: D. ZARAZINSKI
 Location of Perc: JEFF HONIG
LOT 24 B LOT 2
STATION ROAD
Amherst MA

Carl Zarazinski

Percolation Test

Test No. PERC 3
 Reading _____ Time 10:22 - 10:37
 Saturation (15 min) _____
12 _____
11 _____
10 _____
9 _____
8 _____
7 _____
6 _____

$\frac{24}{3} = 8.0$

10:37
11:40
11:44
11:50
11:56
12:04
12:14

Test No. _____
 Reading _____ Time _____
 Saturation (15 min) _____

Perc Rate _____
 Ground Elev. _____
 Depth of Hole _____

10 DESIGN
 Min/Inch _____
60"

Perc. Rate _____
 Ground Elev. _____
 Depth of Hole _____

Deep Test Pit/s

Test Pit _____
 Depth _____ Soil Description _____

Test Pit _____
 Depth _____ Soil Description _____

Groundwater Depth _____ Elev. _____
 Bedrock Depth _____ Elev. _____
 Ground Elev. _____

Groundwater Depth _____ Elev. _____
 Bedrock Depth _____ Elev. _____
 Ground Elev. _____

S.C.S. Soil Description _____ Seasonal High Water Table? _____

Bench Mark: Elev. _____ Description _____

COMMENTS:

Date: JUNE 16 1992
 Client: JEFF HONIG
PO BOX 142
Amherst MASS
 Engineer: WJ SIKRUTA
 Witness: D ZARADSKI
 Location of Perc: _____

JEFF HONIG
LOT 29B LOT 2 STATION RD Amherst
Paul Zarzuber

JEFF HONIG
196 H. Pleasant
APT # 5

May 11, 1993

Mr. Jeff Honig
Lot 2 Station Road
Amherst Massachusetts 01002

Dear Mr. Honig:

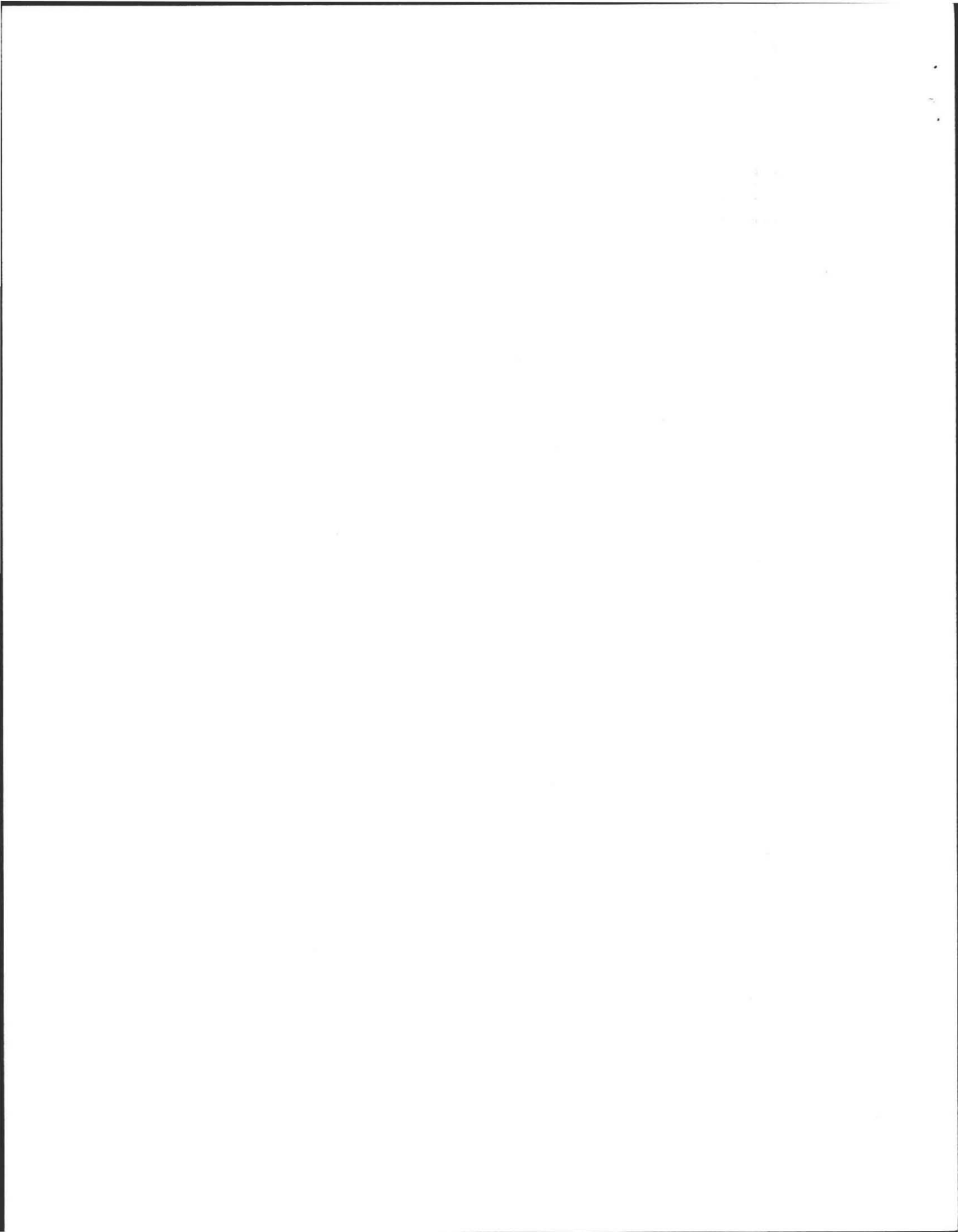
The Amherst Board of Health, at their meeting on May 5th, 1993, voted unanimously to approve your request for a variance to Title V 15.02 (4) Local Exceptions requiring a six foot layer of naturally occurring permeable soil to the ground water level.

Board staff will be available for testing in the fill material when you are ready.

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

Sincerely;

cc: DEPARTMENT OF ENVIRONMENTAL PROTECTION



I, Anthony Savulio, owner of the property
at 740 Station Rd Station Road in Amherst, Massachusetts,
confirm that I was informed by Jeffery Honig of his request for a
variance from the Amherst Board of Health (allowing the
installation of a raised septic system on his property at 763
Station Road) no less than 3 weeks ago.

Anthony Savulio (ES)
Signature

4/16/93
Date

I, _____, owner of the property
at _____ Station Road in Amherst, Massachusetts,
confirm that I was informed by Jeffrey Hough of his request for a
variance from the Amherst Board of Health (allowing the
installation of a raised septic system on his property at 763
Station Road) no less than 3 weeks ago.

Signature

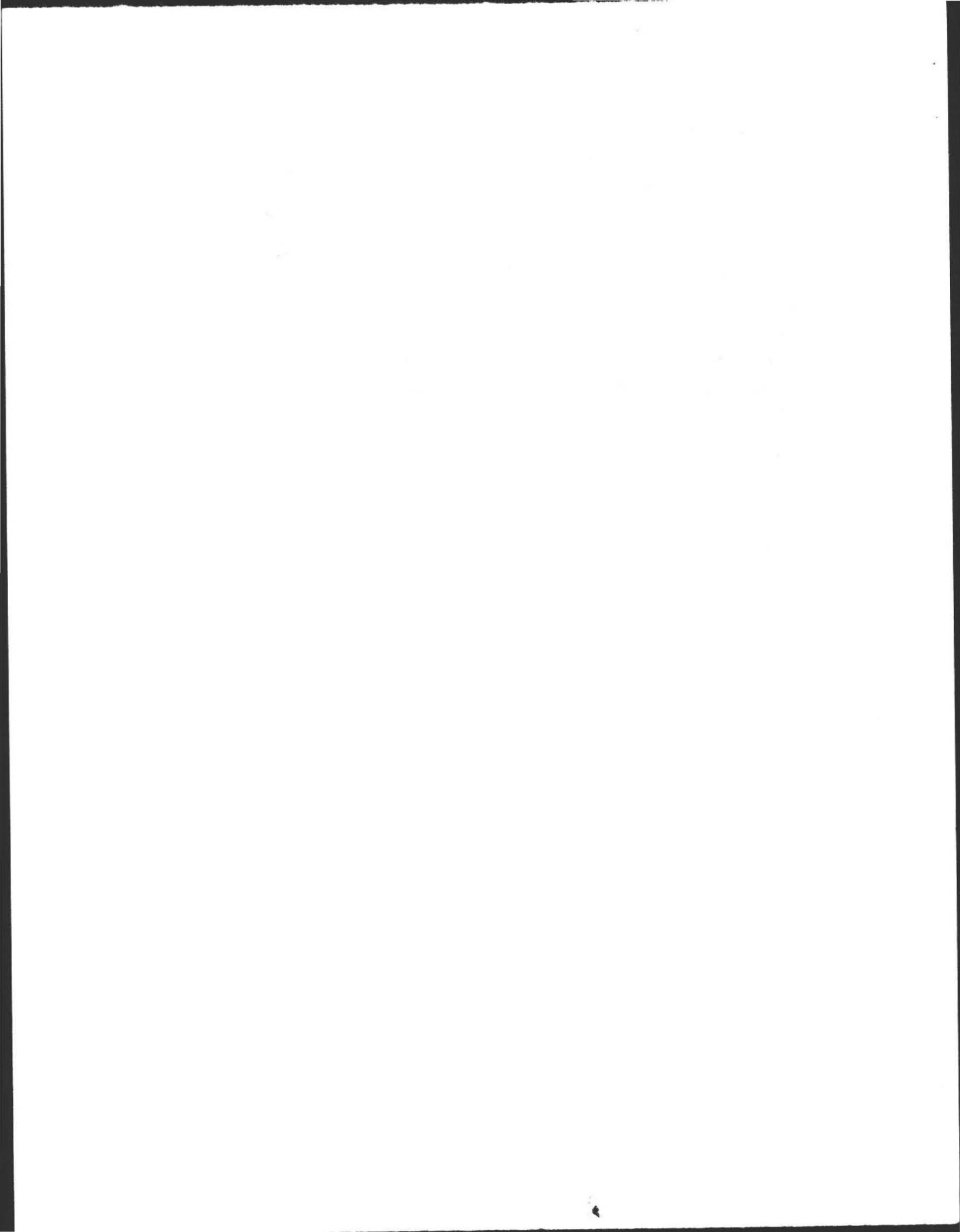
Date

I, TRUDY OPPENHEIMER, owner
of the property at 760 Station Road in
Amherst, Massachusetts, confirm that I was informed by Jeffrey Honig of
his request for a variance from the Amherst Board of Health (allowing the
installation of a raised septic system on his property at 763 Station Road)
no less than 3 weeks ago.

Trudy Oppenheimer
Signature

April 16, 1993
Date

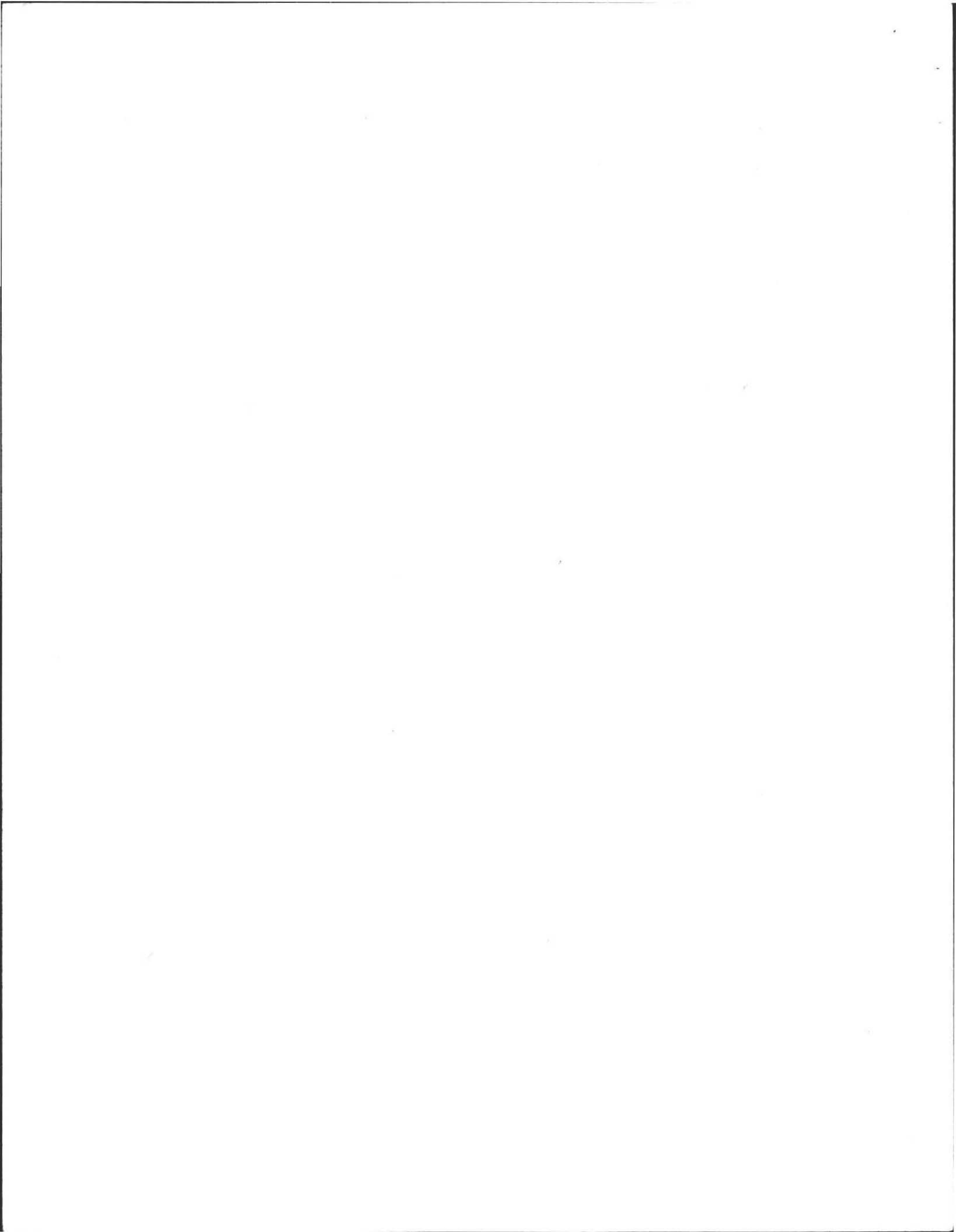




I, Edward Brace, owner
of the property at 733 Station Road in
Amherst, Massachusetts, confirm that I was informed by Jeffery Honig of
his request for a variance from the Amherst Board of Health (allowing the
installation of a raised septic system on his property at 763 Station Road)
no less than 3 weeks ago.

Edward Brace
Signature

4-17-93
Date



I, Edward R. Ladd, owner
of the property at 715 Station Road in
Amherst, Massachusetts, confirm that I was informed by Jeffery Honig of
his request for a variance from the Amherst Board of Health (allowing the
installation of a raised septic system on his property at 763 Station Road)
no less than 3 weeks ago.

Edward R. Ladd

Signature

4-16-93

Date

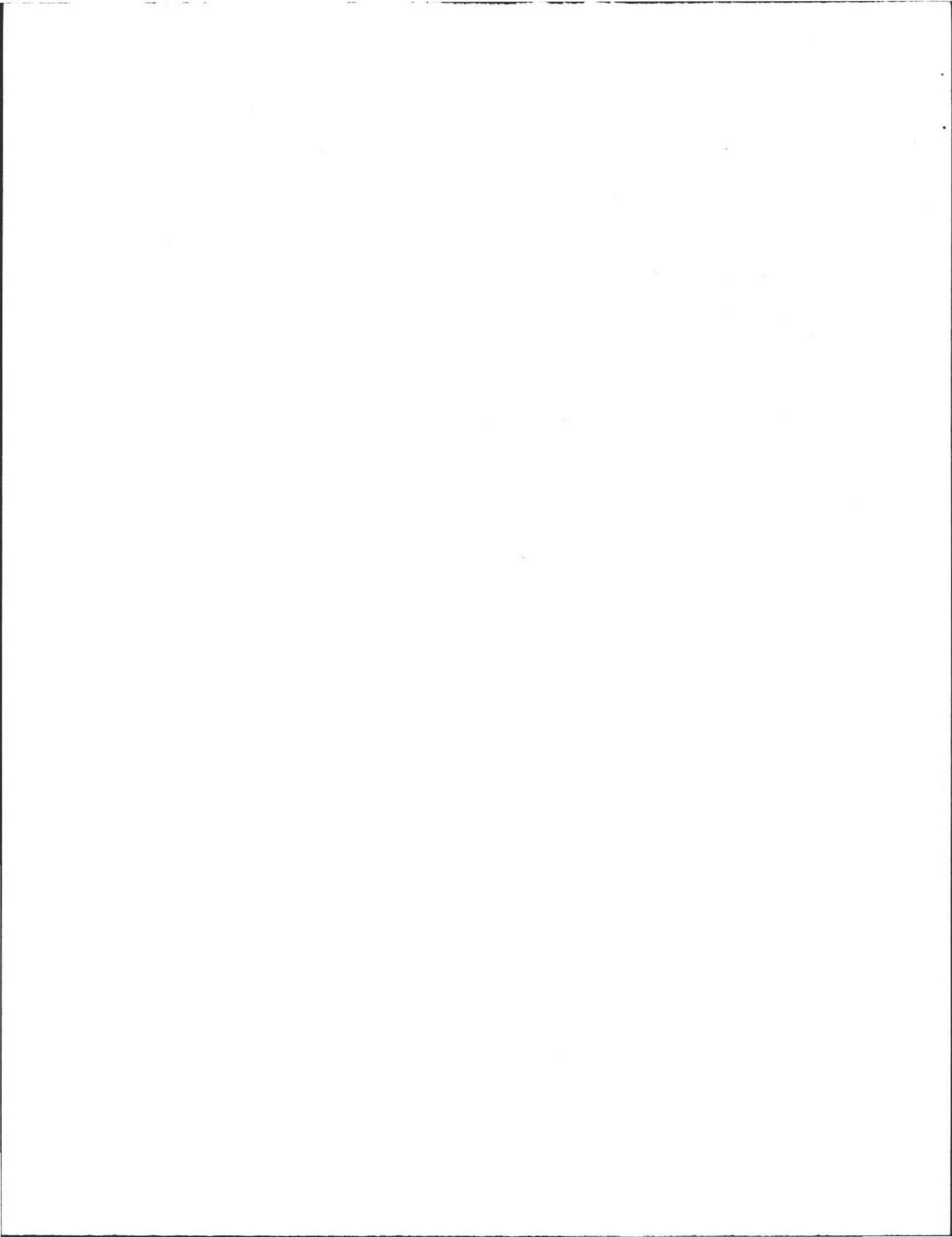
~~_____~~
~~_____~~



I, Elizabeth Perkins, owner
of the property at 720 Station Road in
Amherst, Massachusetts, confirm that I was informed by Jeffery Honig of
his request for a variance from the Amherst Board of Health (allowing the
installation of a raised septic system on his property at 763 Station Road)
no less than 3 weeks ago.

Elizabeth Perkins
Signature

4-16-93
Date

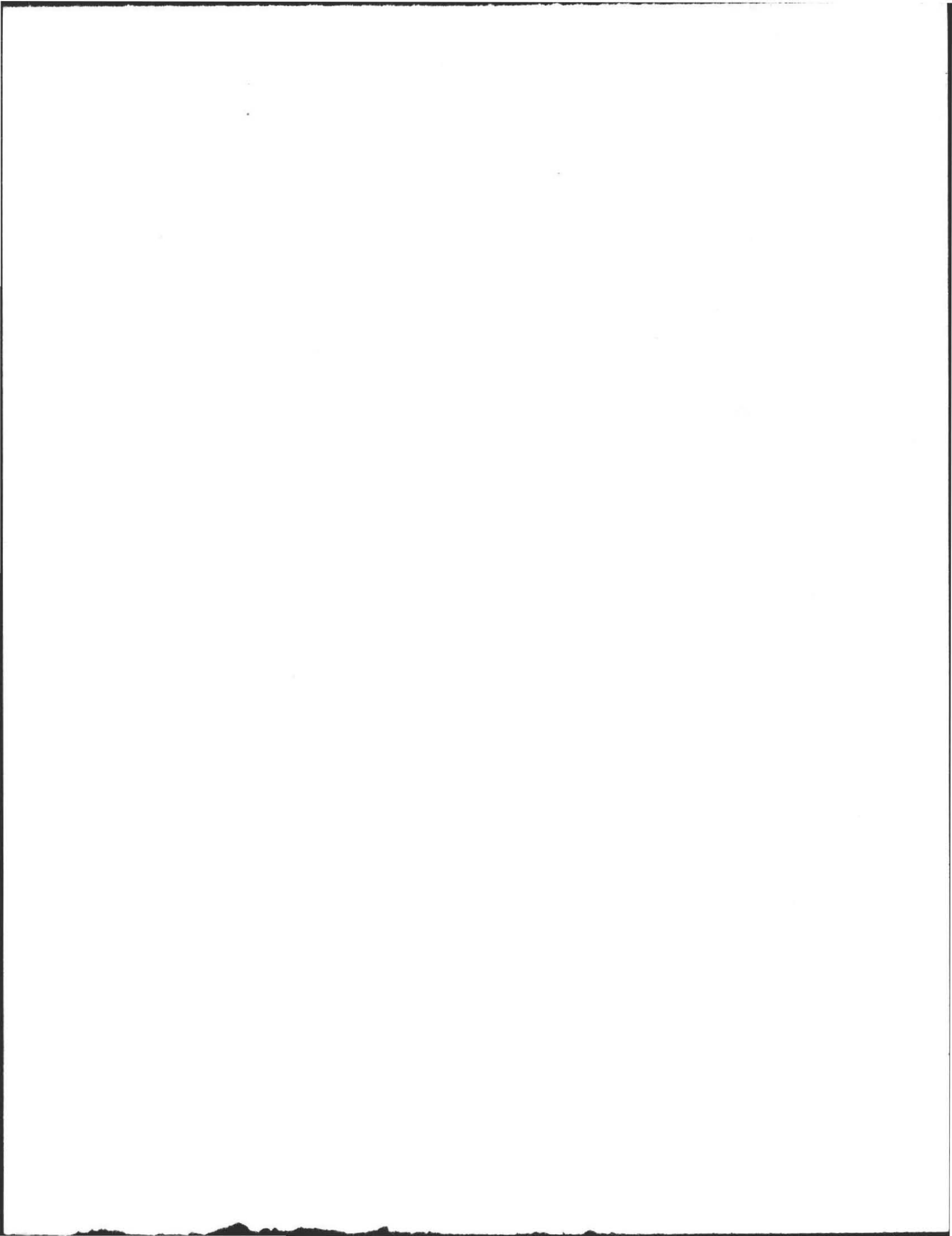


I, JAMES B. JOHNSON, owner
of the property at 745 Station Road in

Amherst, Massachusetts, confirm that I was informed by Jeffery Honig of
his request for a variance from the Amherst Board of Health (allowing the
installation of a raised septic system on his property at 763 Station Road)
no less than 3 weeks ago.

James B. Johnson
Signature

4/16/93
Date



WILLIAM J. SIERUTA, P.E.
REGISTERED PROFESSIONAL ENGINEER
46 UPLAND ROAD
HOLYOKE, MASSACHUSETTS 01040
(413) 532-8525

April 14, 1993
Town of Amherst
70 Boltwood Walk
Amherst, MA. 01002-2128

Subject: Jeff Honig
Lot 2 Station Road
Amherst, MA.

This letter is a formal submittal in accordance with the Amherst Health Department regulations for installation of a subsurface sewer disposal system at the subject property.

An initial percolation test was conducted in November 1985 by John Brickett, R.S. and was accepted by the Amherst Board of Health. At this time, the property was purchased by Jeff Honig for his future use as a residential home building lot. In accordance with Board of Health policies, the initial percolation test was redone on April 8, 1992. At that time the seasonal ground water was noted to be substantially higher than previously recorded. This necessitated the permeability test be completed at a future date. On June 15, 1992 the permeability test was completed and witnessed at the subject location.

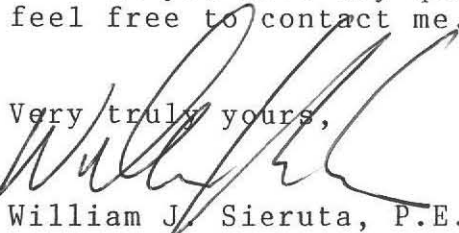
The attached design was prepared for a proposed septic system to meet the design regulations of the Amherst Health Department. The use of fill material to provide adequate separation from the recorded high ground water elevation was necessary. To help assure control of the ground water, a proposed curtain drain was also incorporated into the design. The proposed design affords equal protection to the existing ground water. This design substantially exceeds all requirements of 310 CMR 15 (Title 5).

This is a formal request for a variance from the Amherst Board of Health regulation requiring a six foot layer of naturally occurring permeable soil to the high ground water level. In order to provide the required six foot separation, sand/gravel fill is required. This is not naturally occurring soil.

All fill is to be placed in accordance with 310 CMR 15.02, subsection 17. All top and subsoil is to be removed for 25 feet in all directions from the perimeter of the leaching system prior to fill being placed. All fill is to have a permeability rate of 2.0 min./inch or less. Also, as per this regulation, consider this a request for the required fill observation.

If you have any questions or need further information, please feel free to contact me.

Very truly yours,


William J. Sieruta, P.E.





15.02: continued

D.e.p. Regulation
 →

impervious material unless the requirements of 310 CMR 15.03(6) have been met.

(18) Multiple Use. The use of a subsurface sewage disposal system by more than one lot is prohibited.

(19) Maintenance. Every owner or agent of premises in which there are any private sewers, individual sewage disposal systems, or other means of sewage disposal shall keep the sewers and disposal systems in proper operational condition and shall have such works cleaned or repaired at such time as ordered by the Board of Health. If the owner or agent of the premises fails to comply with such order, the Board of Health may cause the works to be cleaned or repaired and all expenses incurred to be paid by the owner. Sewage disposal works shall be maintained in a manner that will not create objectionable conditions or cause the works to become a source of pollution to any of the waters of the Commonwealth.

(20) Discharge to Surface of Ground. No sanitary sewage shall be allowed to discharge or spill onto the surface of the ground or to flow into any gutter, street, roadway, or public place; nor shall such material discharge onto any private property.

(21) Flow Measurement. Meters, dosing counters, or other flow measuring devices shall be installed to record accurately the flow of sewage when required by the Board of Health or the Department of Environmental Quality Engineering.

(22) Reserve Area. A reserve area of at least equal capacity, suitable for subsurface sewage disposal and upon which no permanent structures will be constructed, must be provided for all sewage disposal systems.

15.03: Location

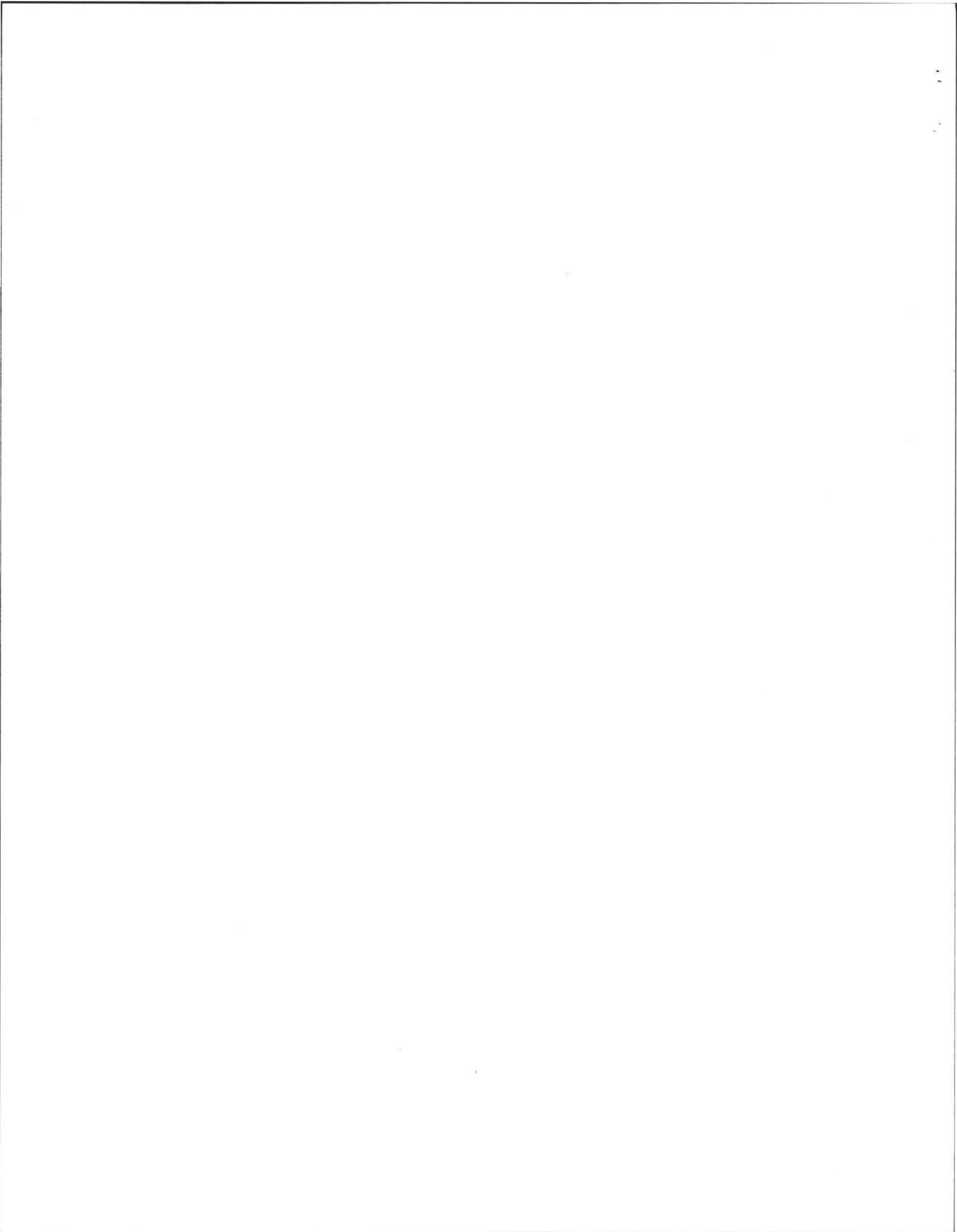
(1) General. The location and installation of each individual sewage disposal system, or other means of disposal, shall be such that with responsible maintenance it will function in a satisfactory manner and will not create a nuisance or discharge into any watercourse of the Commonwealth. In determining a suitable location for the system, consideration shall be given to the size and shape of the lot, slope, natural and adjusted drainage, existing and known future water supplies, depth to ground water, presence of impervious material, soil classifications, and reserve area. No Disposal Works Construction Permit as described in 310 CMR 15.02(1) shall be issued until a representative of the Approving Authority has:

- (a) Performed a site examination
- (b) Witnessed deep observation holes
- (c) Witnessed percolation tests

(2) Site Examination. The site examination shall be made to determine if the size of the lot is compatible with the proposed sewage disposal system and should be made with regards to the distances as outlined in 310 CMR 15.03(7) and the requirements of 310 CMR 15.02(5).

(3) Deep Observation Holes. The purpose of the deep observation holes is to determine the character of the soil in the leaching area and specifically to determine the ground water elevation and the presence of bedrock or impervious material.

On any lot, in the area to be used for leaching, except as noted below, there will be at least two deep observation holes plus any additional number which, in the opinion of the Approving Authority, will be necessary to determine the consistency (or lack thereof) of the character of the soil. The observation holes shall be examined to a depth of at least 4 feet below the bottom of the proposed leaching facility, but in no case shallower than 10 feet, unless this depth is unattainable because of bedrock, etc. The ground water elevation should be determined when the ground water is at its maximum elevation.



15.02: continued

SEWAGE FLOW ESTIMATES (continued)

	<u>Gallons per day</u>
Single and multiple dwelling units Per Bedroom	
motels, hotels, boarding houses _____	110
Tennis Club per court _____	250
Bowling Alley per alley _____	100
Country Club dining room per seat _____	10
Country Club snack bar or lunch room per seat _____	10
Country Club locker and showers per locker _____	20
Church per seat _____	3
Church vestry/kitchen per person at capacity _____	5
Trailer, dump station per site or per trailer _____	50
Mobile Home Park per site _____	200
Office Building per 1,000 sq. ft _____	75
Dry Goods Stores per 100 sq. ft _____	5
Drive In per stall _____	5
Nonsingle family, Automatic clothes washer per washing machine _____	400
Hospital per bed _____	200
Service station, excluding thruway per island _____	300
Skating Rink 3,000 gallons per day plus 5 gallons per seat	

	<u>Gallons per Seat or Chair per Day</u>
Restaurant, food service establishment, lounge, tavern _____	35
Restaurant, thruway service area _____	150
Restaurant, kitchen flow _____	15
Barber Shop/Beauty Salon _____	100

NOTE: Laundromat wastes are considered industrial wastes and must be approved by the Department of Environmental Quality Engineering.

(14) Type of System. Except as provided in 310 CMR 15.18, an individual sewage disposal system shall consist of a septic tank discharging its effluent to a suitable subsurface sewage disposal area as hereinafter described. Where buildings are served by more than one system, each system shall consist of a septic tank discharging its effluent to a suitable subsurface sewage disposal area. Separate systems for laundry waste disposal are not recommended.

(15) Drainage. An individual disposal system shall be located in an area where no surface water will accumulate. Provision shall be made to minimize the flow of surface water over the area.

(16) Cover Material. Earth materials used to cover subsurface sewage disposal facilities shall be free from large stones, frozen clumps of earth, masonry, stumps, or waste construction material. Machinery which may crush or disturb the alignment of pipe in the disposal system shall not be allowed on any part of the disposal area.

(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 compacted to minimize settlement or it shall be allowed to settle for a minimum of 12 months whichever occurs first. The fill material shall be clean coarse washed sand or other clean granular material essentially free from clay, fines, dust, organic matter, large stones, masonry, stumps, frozen clumps of earth, wood, tree branches, and waste construction material, and shall have a percolation rate of less than 2 minutes per inch before and after placement. Before the fill is put in place, all trees, brush, and stumps shall be removed from the area to be filled. Topsoil, peat, and other impervious materials shall be removed from all areas beneath the leaching facility and for a distance of 25 feet in all directions therefrom when the leaching facility is above natural ground elevation; or impervious materials shall be removed for 10 feet in all directions therefrom when the leaching facility is below natural ground elevation. No sewage disposal system shall be constructed in fill placed upon

DEP. →
Regulation

tributary
nmental

disposal
where a
l where
y having
upant of
sewer is
gs to be
period of

shall be
age to be
should be
resultant
the table
or other
e disposal

er Person
Day

65
100
10
15
20
10
25
10
10
3
75
3
25
3
5
10
15
20
50

ply with the
pl pursuant to

considered in
wn or similar
n 200 percent
aily flows.

15.02: continued

P.e.r. Regulation
 →

impervious material unless the requirements of 310 CMR 15.03(6) have been met.

(18) Multiple Use. The use of a subsurface sewage disposal system by more than one lot is prohibited.

(19) Maintenance. Every owner or agent of premises in which there are any private sewers, individual sewage disposal systems, or other means of sewage disposal shall keep the sewers and disposal systems in proper operational condition and shall have such works cleaned or repaired at such time as ordered by the Board of Health. If the owner or agent of the premises fails to comply with such order, the Board of Health may cause the works to be cleaned or repaired and all expenses incurred to be paid by the owner. Sewage disposal works shall be maintained in a manner that will not create objectionable conditions or cause the works to become a source of pollution to any of the waters of the Commonwealth.

(20) Discharge to Surface of Ground. No sanitary sewage shall be allowed to discharge or spill onto the surface of the ground or to flow into any gutter, street, roadway, or public place; nor shall such material discharge onto any private property.

(21) Flow Measurement. Meters, dosing counters, or other flow measuring devices shall be installed to record accurately the flow of sewage when required by the Board of Health or the Department of Environmental Quality Engineering.

(22) Reserve Area. A reserve area of at least equal capacity, suitable for subsurface sewage disposal and upon which no permanent structures will be constructed, must be provided for all sewage disposal systems.

15.03: Location

(1) General. The location and installation of each individual sewage disposal system, or other means of disposal, shall be such that with responsible maintenance it will function in a satisfactory manner and will not create a nuisance or discharge into any watercourse of the Commonwealth. In determining a suitable location for the system, consideration shall be given to the size and shape of the lot, slope, natural and adjusted drainage, existing and known future water supplies, depth to ground water, presence of impervious material, soil classifications, and reserve area. No Disposal Works Construction Permit as described in 310 CMR 15.02(1) shall be issued until a representative of the Approving Authority has:

- (a) Performed a site examination
- (b) Witnessed deep observation holes
- (c) Witnessed percolation tests

(2) Site Examination. The site examination shall be made to determine if the size of the lot is compatible with the proposed sewage disposal system and should be made with regards to the distances as outlined in 310 CMR 15.03(7) and the requirements of 310 CMR 15.02(5).

(3) Deep Observation Holes. The purpose of the deep observation holes is to determine the character of the soil in the leaching area and specifically to determine the ground water elevation and the presence of bedrock or impervious material.

On any lot, in the area to be used for leaching, except as noted below, there will be at least two deep observation holes plus any additional number which, in the opinion of the Approving Authority, will be necessary to determine the consistency (or lack thereof) of the character of the soil. The observation holes shall be examined to a depth of at least 4 feet below the bottom of the proposed leaching facility, but in no case shallower than 10 feet, unless this depth is unattainable because of bedrock, etc. The ground water elevation should be determined when the ground water is at its maximum elevation.

TO: BETTYE ANDERSON FREDERIC
FROM: DAVID ZAROZINSKI
RE: Variance to BOH regulation - Title V, Section 3C
[reference 15.03 (6)]

The Department has in it's file a copy of a septic system plan that was prepared for Mr. Tom Fields of 760 Station Road, Amherst, Ma. This plan was designed by Mr. John Brickett, Registered Sanitarian, on December 20, 1985.

Mr. Fields sold the property to Mr. Jeff Honig in August of 1987. Mr. Honig met with me to discuss the process of installing a septic system on this site.

The septic system plan was 8 years old and under the General Requirement of Title V 15.02 (4) the permit was outdated. Therefore, before I could issue a new disposal works construction permit, it was my recommendation that a new perc test be performed.

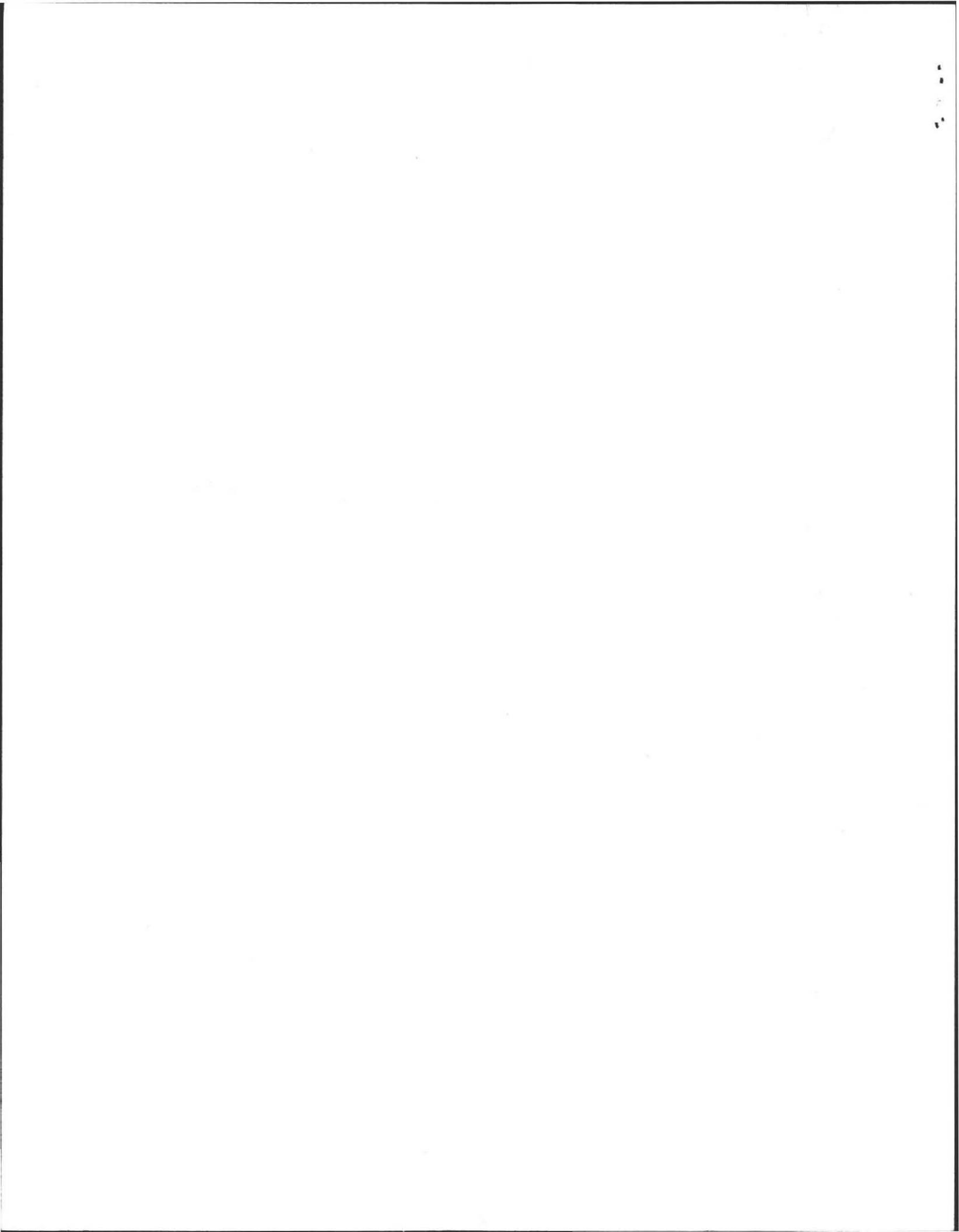
On April 8, 1992 deep holes were dug to 10 feet with seepage and oxides at 3 feet. The percolation test was conducted on June 6, 1992, with a percolation rate of 10 minutes an inch.

The request for a variance from the Amherst Board of Health is to add approximately five feet (5') of sand/gravel fill to the naturally occurring soil. This action does conform to Title V requirements. In addition, the curtain drain that is to be installed should also lower the water table in the area of the septic system.

I would grant the variance request due to the following:

1. all Title V requirements are to be met.
2. Town water is available.
3. six foot separation is available from bottom of system to oxide stain.
4. addition of curtain drain will lower water table.
5. system design will meet Town regulation of 25% size increase
6. no garbage grinder will be allowed.
7. this is the last house on the Town line.
8. when the property was purchased, it was a bonifide buildable lot. To render it unbuildable due to Town regulations when it does meet State regulations may be considered a taking.

 4/29/93
Dove



WILLIAM J. SIERUTA, P.E.
REGISTERED PROFESSIONAL ENGINEER
46 UPLAND ROAD
HOLYOKE, MASSACHUSETTS 01040
(413) 532-8525

April 14, 1993
Town of Amherst
70 Boltwood Walk
Amherst, MA. 01002-2128

Subject: Jeff Honig
Lot 2 Station Road
Amherst, MA.

This letter is a formal submittal in accordance with the Amherst Health Department regulations for installation of a subsurface sewer disposal system at the subject property.

An initial percolation test was conducted in November 1985 by John Brickett, R.S. and was accepted by the Amherst Board of Health. At this time, the property was purchased by Jeff Honig for his future use as a residential home building lot. In accordance with Board of Health policies, the initial percolation test was redone on April 8, 1992. At that time the seasonal ground water was noted to be substantially higher than previously recorded. This necessitated the permeability test be completed at a future date. On June 15, 1992 the permeability test was completed and witnessed at the subject location.

The attached design was prepared for a proposed septic system to meet the design regulations of the Amherst Health Department. The use of fill material to provide adequate separation from the recorded high ground water elevation was necessary. To help assure control of the ground water, a proposed curtain drain was also incorporated into the design. The proposed design affords equal protection to the existing ground water. This design substantially exceeds all requirements of 310 CMR 15 (Title 5).

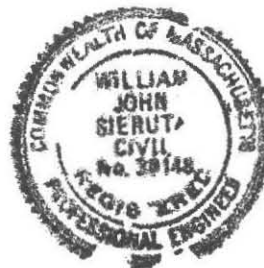
This is a formal request for a variance from the Amherst Board of Health regulation requiring a six foot layer of naturally occurring permeable soil to the high ground water level. In order to provide the required six foot separation, sand/gravel fill is required. This is not naturally occurring soil.

All fill is to be placed in accordance with 310 CMR 15.02, subsection 17. All top and subsoil is to be removed for 25 feet in all directions from the perimeter of the leaching system prior to fill being placed. All fill is to have a permeability rate of 2.0 min./inch or less. Also, as per this regulation, consider this a request for the required fill observation.

If you have any questions or need further information, please feel free to contact me.

Very truly yours,

William J. Sieruta, P.E.





April 13, 1993

To: BAF -
From: ^{David} ~~Dave~~ Zarozinski

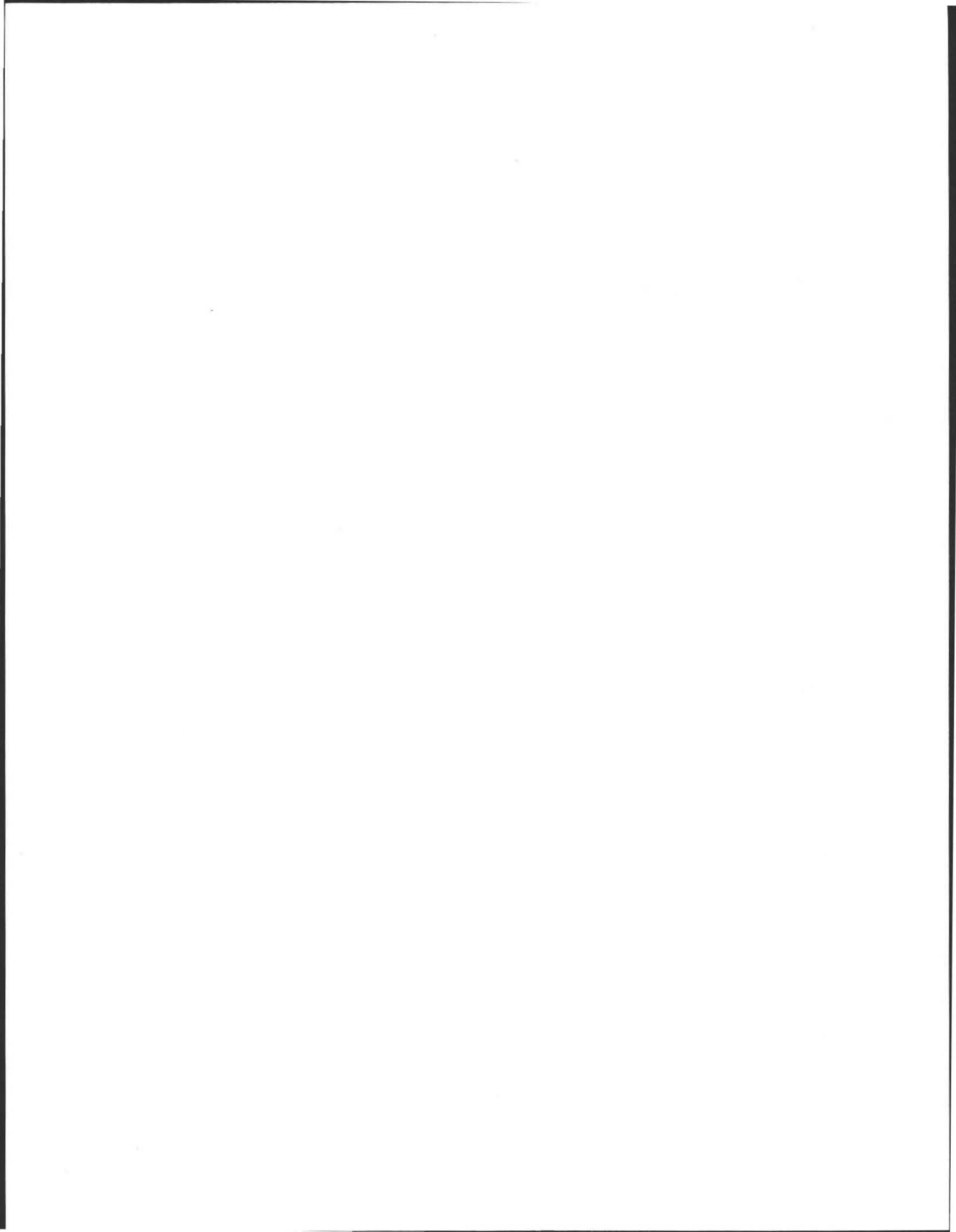
Re: Variance to BOH regulation - Title V, section 3 C (reference 15.03 (6))

The Board of Health has in it's file a copy of a septic sytem plan that was prepared for Mr. Tom Fields of 760 Station Road, Amherst, MA. This plan was designed by Mr. John Brickett, Registered Sanitarian, on December 20, 1985.

Mr. Fields sold the property to Mr. Jeff Honig in August of 1987. Mr. Honig met with me to discuss the process of installing a septic system on this site.

~~It was my opinion that~~ ^{the} since the septic system plan was 8 years old and under the General Requirement of Title V 15.02 (4) the permit was outdated. Therefore, before I ^{could} ~~can~~ issue a new disposal works construction permit, it was my recommendation that a new perc test be performed.

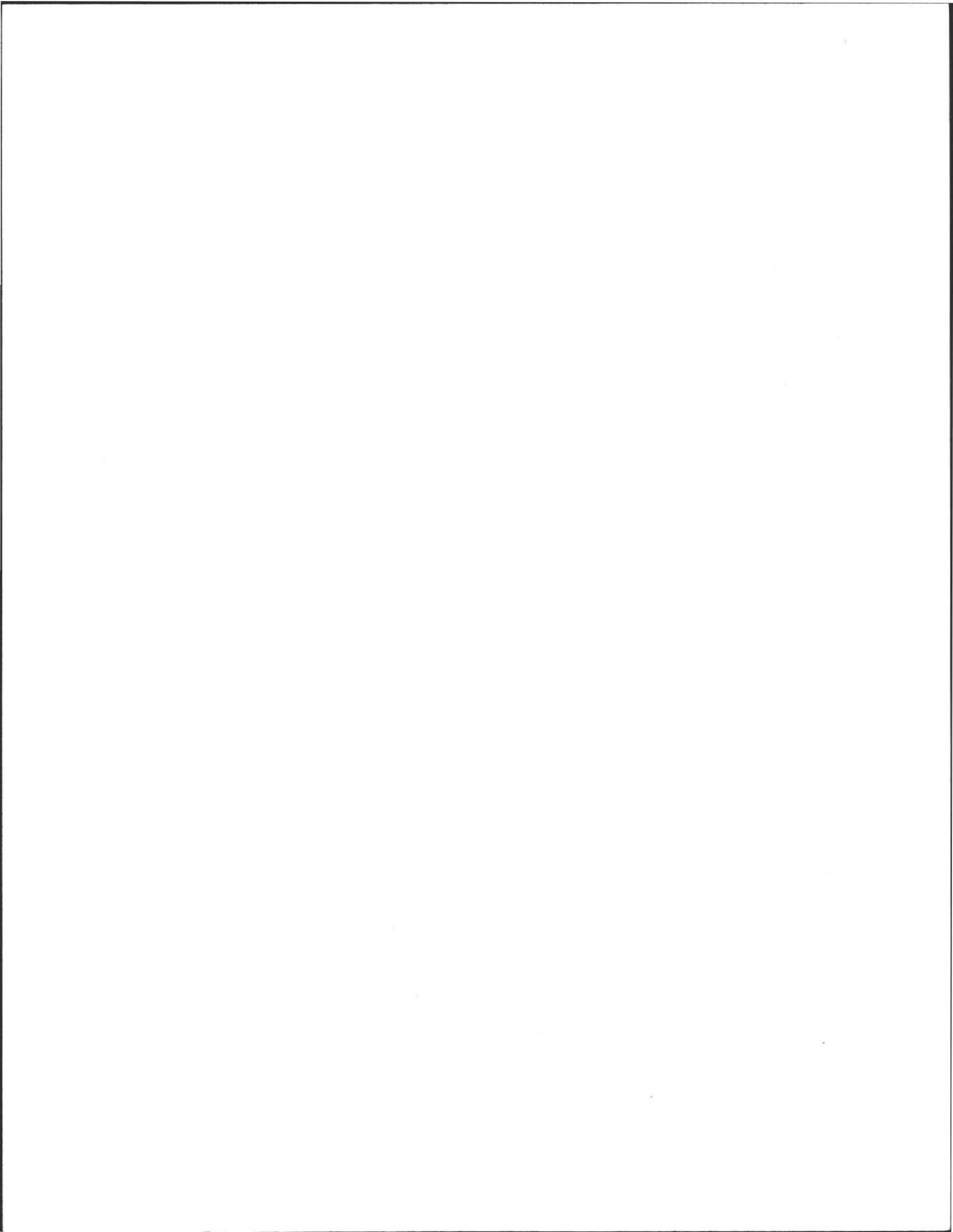
On April 8, 1992 deep holes were dug to 10 feet with seepage and oxides at 3' (ft). The percolation test was conducted on June 6, 1992, with a percolation rate of 10 minutes an inch.



The request for a variance from the Amherst Health Dept. is to add approximately five feet (5') of sand/gravel fill to the naturally occurring soil. This action does conform to Title V requirements. In addition, the curtain drain that is to be installed should also lower the water table in the area of the septic system.

I would grant the variance request due to the following:

1. All Title V requirements are to be met.
2. Town water is available
3. Six foot separation is available from bottom of system to oxide stain
4. Addition of curtain drain will lower water table.
5. System design will meet Town regulation of 25% size increase.
6. No garbage grinder will be allowed.
7. This is the last house on the town line.
8. When the property was purchased, it was a bonifide buildable lot. To render it unbuildable due to TOWN regulations when it does meet STATE regulations may be considered a taking.



No. _____

FEE _____

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town OF Amherst, MA, 01002

Application for Disposal Works Construction Permit

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

STATION ROAD Location - Address
TOM FIELDS Owner
760 STATION ROAD, Amherst, MA. 01002 or Lot No. Address

Type of Building Dwelling - No. of Bedrooms 3 Expansion Attic () Garbage Grinder (N)
Other - Type of Building FRAME No. of persons MAX. 6 Showers () - Cafeteria ()

Design Flow 55 gallons per person per day. Total daily flow 330 gallons.
Septic Tank - Liquid capacity 1000 gallons Length 10' Width 5' Diameter - Depth 5'
Disposal Trench No. FIELD Width 20' Total Length 50' Total leaching area 1000 sq. ft.

Percolation Test Results Performed by John A. Brickett R.S. Date 12/20/85
Test Pit No. 1 4 minutes per inch Depth of Test Pit 36" Depth to ground water NONE
Test Pit No. 2 - minutes per inch Depth of Test Pit 108" Depth to ground water 108"

Description of Soil #1 - 0" to 12" LOAM - 12" to 36" SANDY LOAM - 36" to 108" CLAY & SAND - SLIGHT WATER 108"
#2 - 0" to 12" LOAM - 12" to 36" SANDY LOAM - 36" to 108" SAND & CLAY - WATER AT 84"

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 hereby agrees to place the system in operation until a Certificate of Compliance has been issued by the board of health.

Signed



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 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

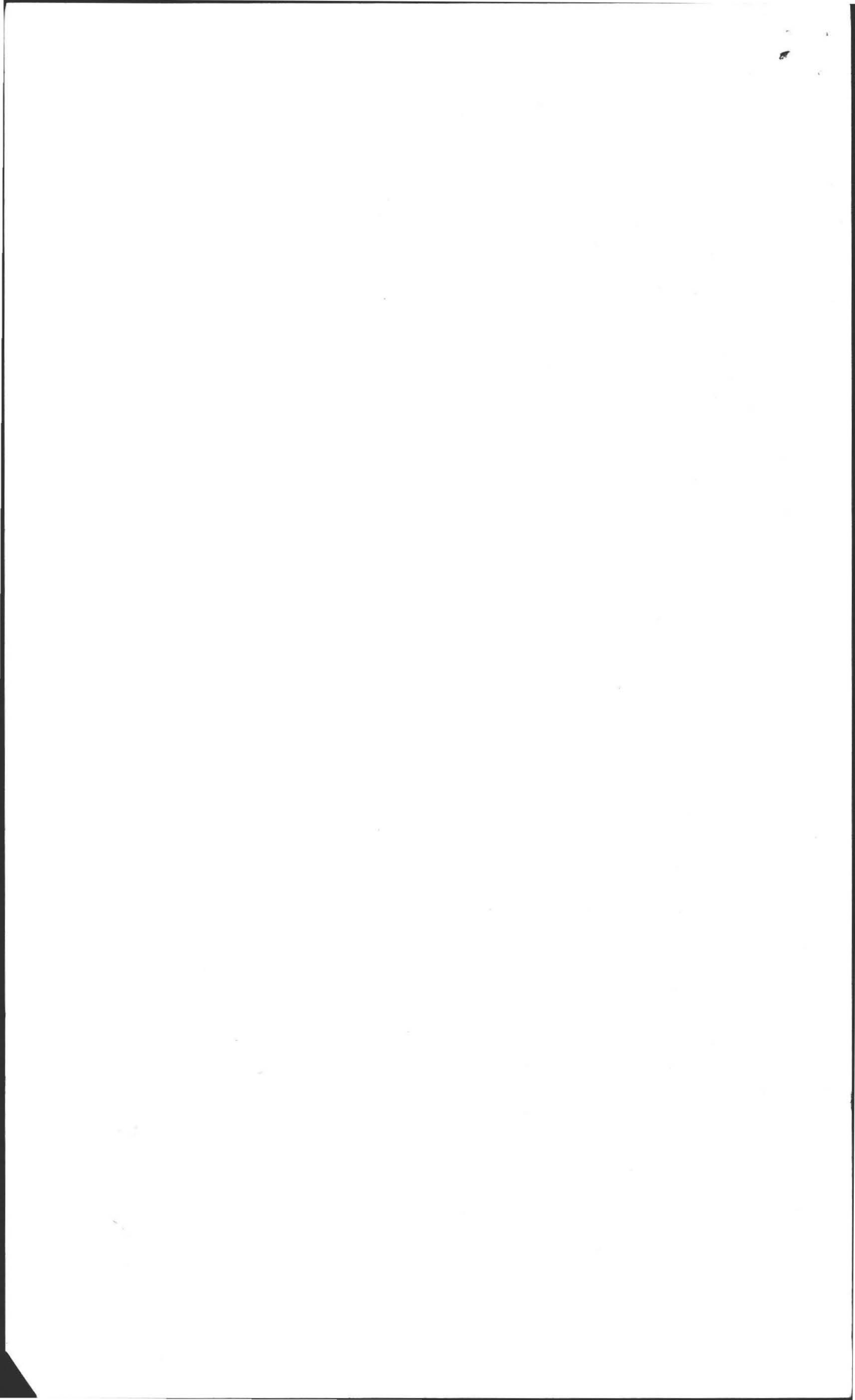
Permission is hereby granted _____ to Construct () or Repair () an Individual Sewage Disposal System

at No. _____ Street _____

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

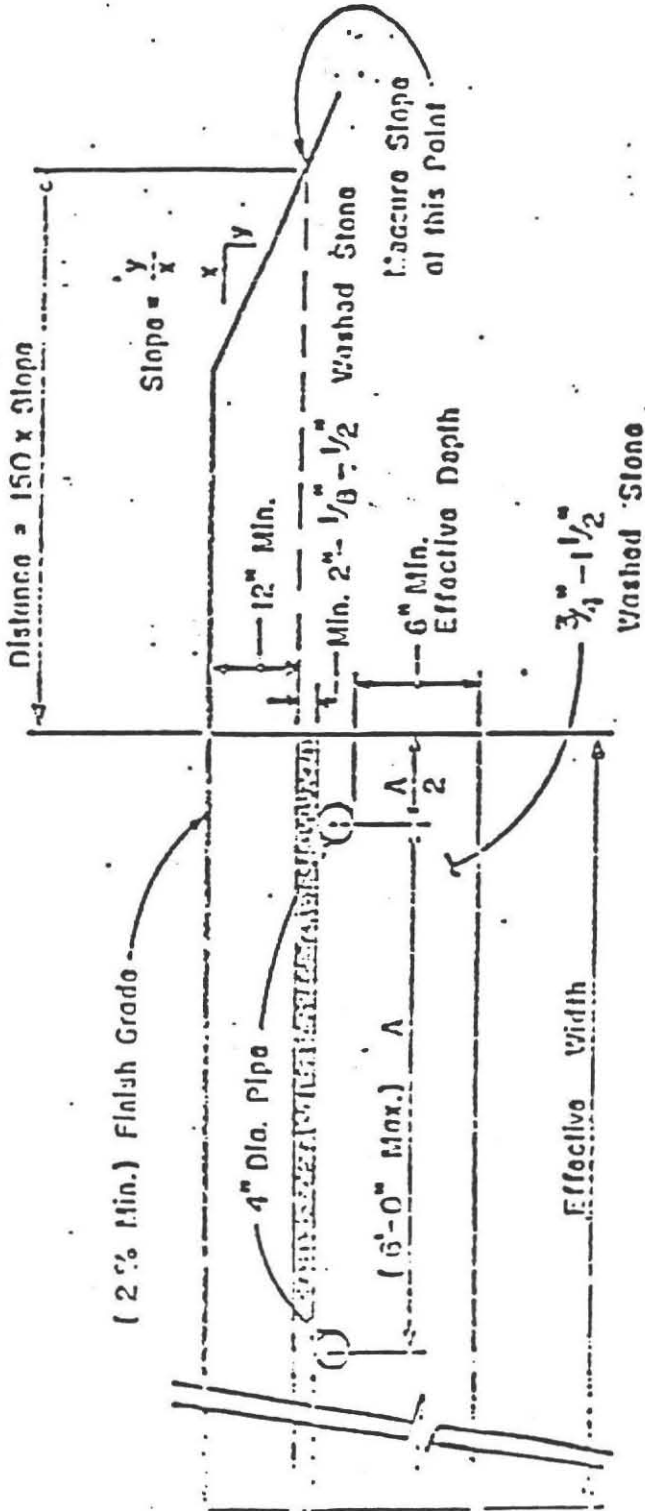
DATE _____

Board of Health



8.15: continued

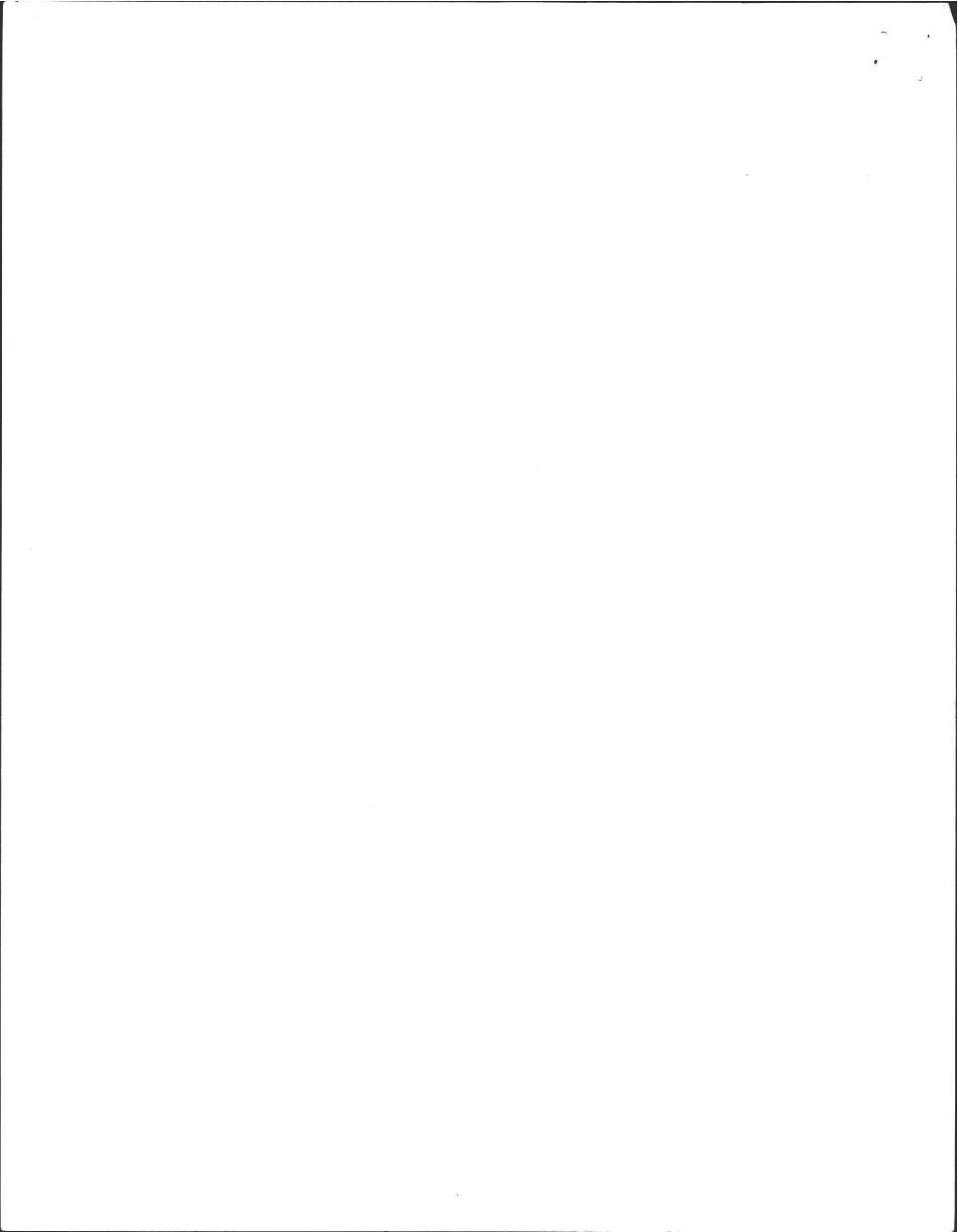
FIGURE 1.
LEACHING FIELD (ILLUSTRATION C)



LEACHING FIELDS

No Scale

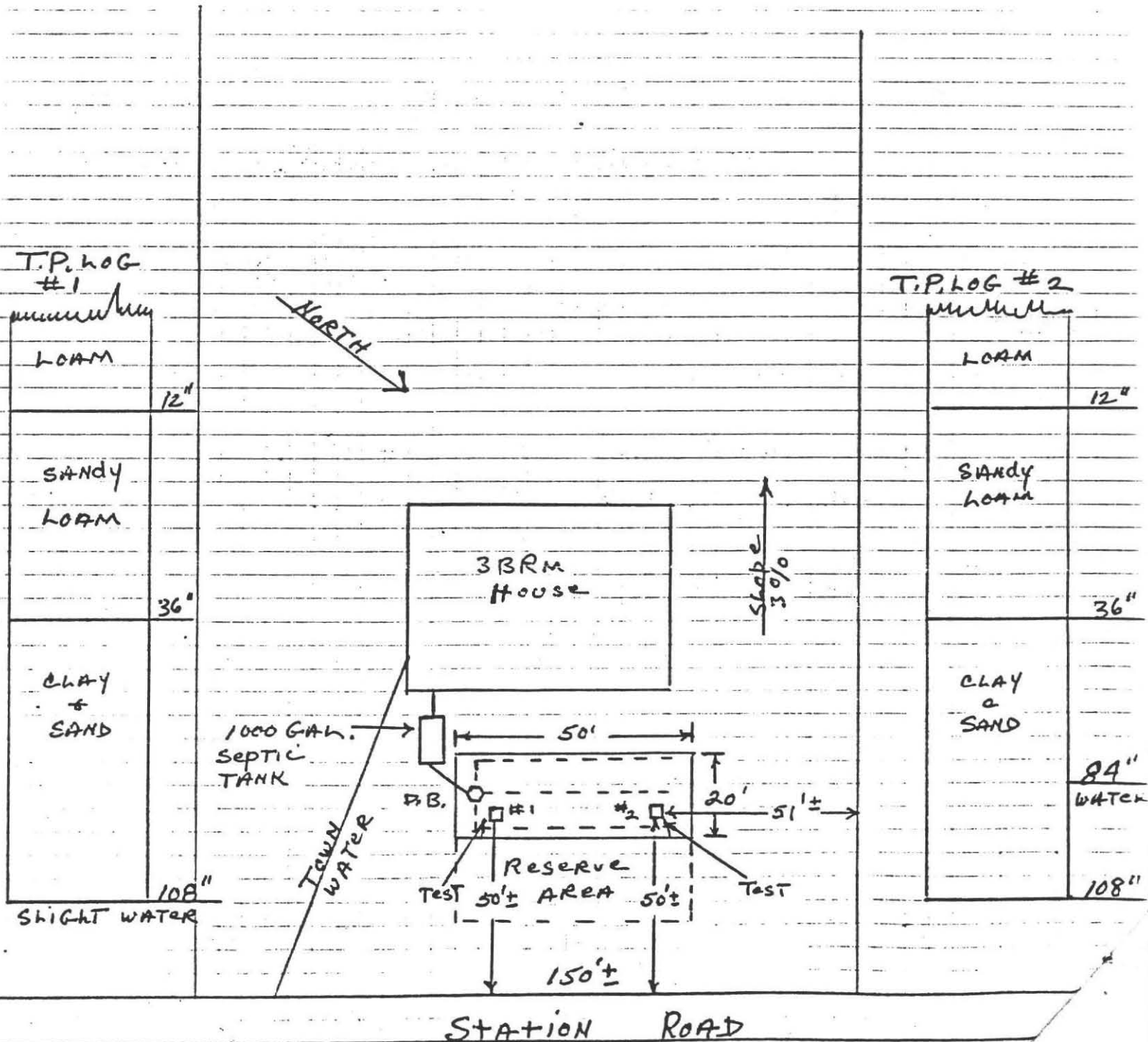
Illustration C

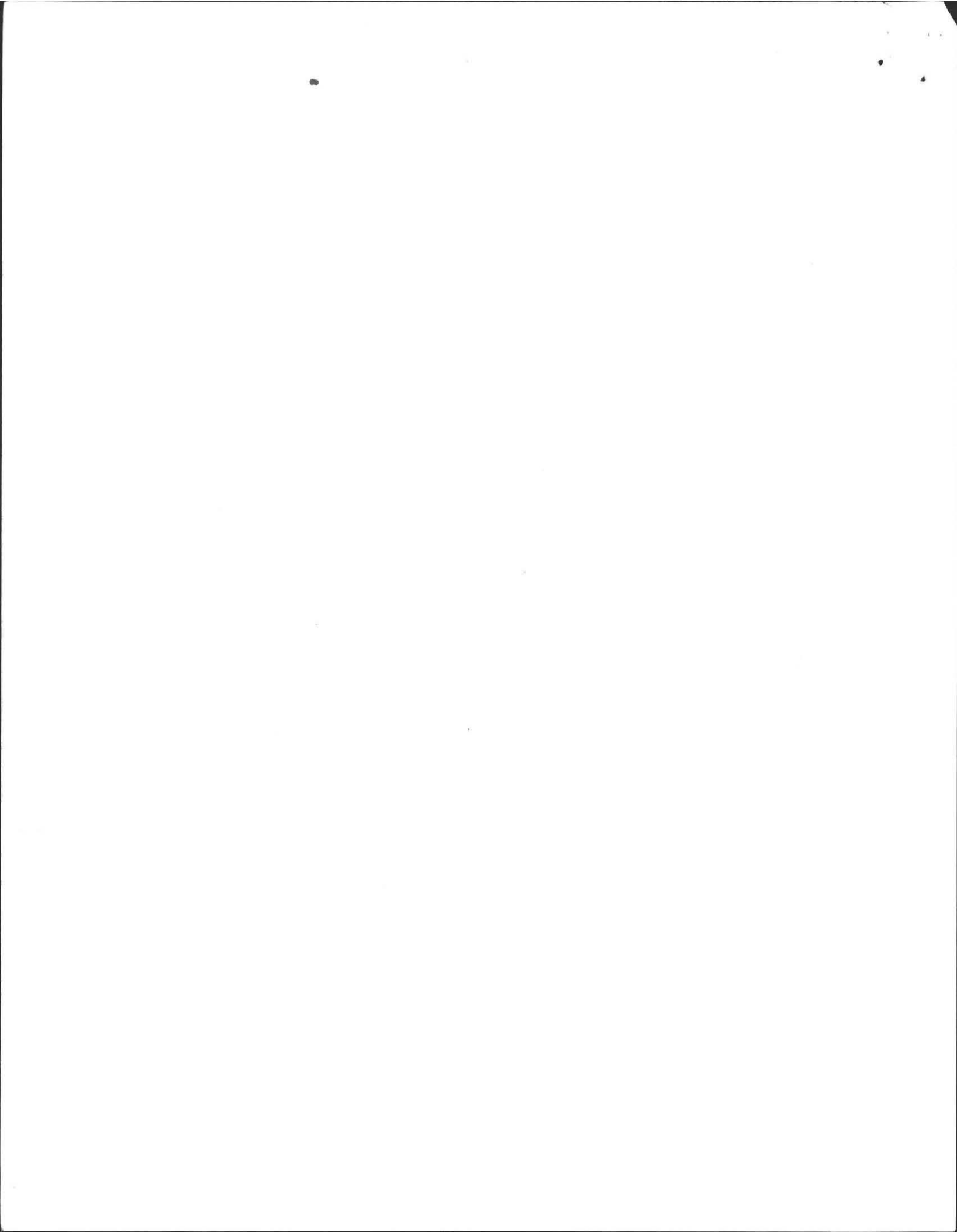


JOHN A. BRICKETT, R.S.
19 SUMMER STREET
GREENFIELD, MASS. 01301

John A. Brickett R.S.
12/20/85

NO SCALE





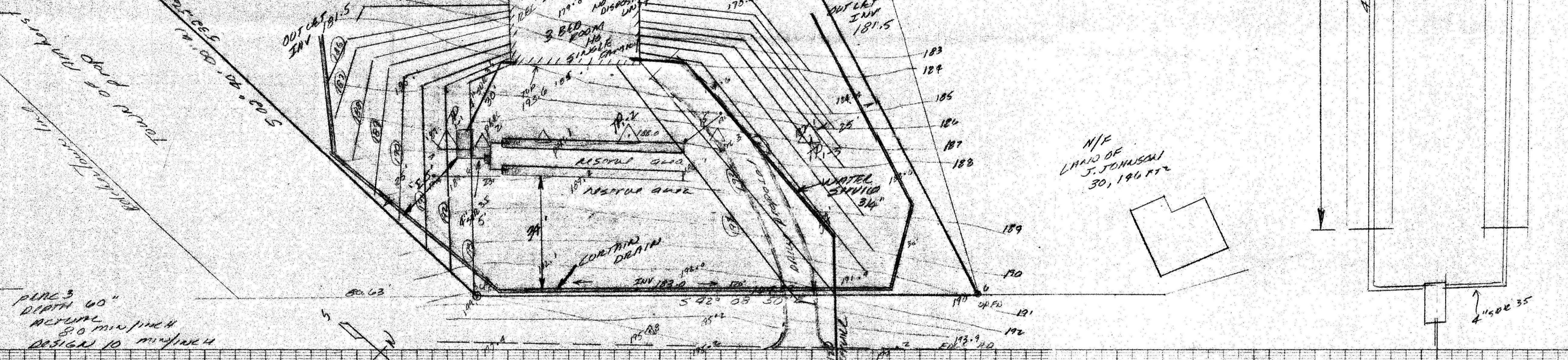
PERCOLATION TEST INFORMATION

SEPTIC SYSTEM DESIGN WILL REQUIRE VARIANTS TO LOCAL BOH REGULATIONS
 WATER TABLE TO HIGH IN SPRING 50' TO 60'S APRIL 8, 1992
 SYSTEM DESIGN TO USE CURTAIN DRAIN TO CONTROL SEPTIC DEVIATION
 SAND FILL TO PROVIDE 6" OF BUFFER TO BOTTOM OF TEST PITS

LOT 598
 LOT 2
 3.001 ACRES

TEST PIT TPI-1	TEST PIT TPI-2	TEST PIT TPI-3
0-12 O/S LOAM	0-10 O/S LOAM	0-10 O/S LOAM
12-29 SILTY SUB SOIL	10-24 SILTY SUB SOIL	10-24 SILTY SUB SOIL
29-72 SANDY COMPACT GRAVEL FILL	24-53 WHITE GRANUL SANDY FILL	24-30 SANDY GRAVEL FILL
72-100 STOPPED HOLD TO HOLD TPI-2	53-120 BROWN COMPACT GRAVEL FILL	30-120 COMPACT GRAVEL FILL

Seepage @ 56"
 * CONFIRMATION TEST FOR OLD PERM TEST REQUIRED ON/LOS BY BOH
 DATE APRIL 8 1992
 WITNESS D. ZAKAZINSKI ENGR W.J. SIERUTA PE J. BARRY
 PERMEABILITY TEST NOT CONDUCTED AT THIS TIME
 H₂O TO HIGH W/SCHEDULE TESTS
 DATE JUNE 15 1992
 ENGR W.J. SIERUTA WITNESS D. ZAKAZINSKI
 ACTUAL RATE 7.00 DESIGN RATE 10.0
 DEPTH 60" ACTUAL 80" MINIMUM
 DESIGN 10" MINIMUM



DESIGN INFORMATION
 ALL CONSTRUCTION TO BE IN ACCORDANCE WITH 310 CMR 15.0 TRENCHES AND LAYING BOARD EXHIBIT REGULATIONS VARIANTS TO BOARD OF HEALTH ARE, IF NEEDED, USE OF FILL & CURTAIN DRAIN IS ALLOWED

DESIGN CRITERIA
 USE: PROPOSED 3 BEDROOM SINGLE FAMILY RESIDENTIAL STRUCTURE NO DISPOSAL
 DESIGN FLOW 310 CMR 15.02
 $3 \times 110 \text{ GAL/PERSON} = 330 \text{ GALS}$
 AMHERST BOH REGULATIONS
 $330 \text{ GALS} \times 1.25 = 412.5 \text{ GALS/DAY}$

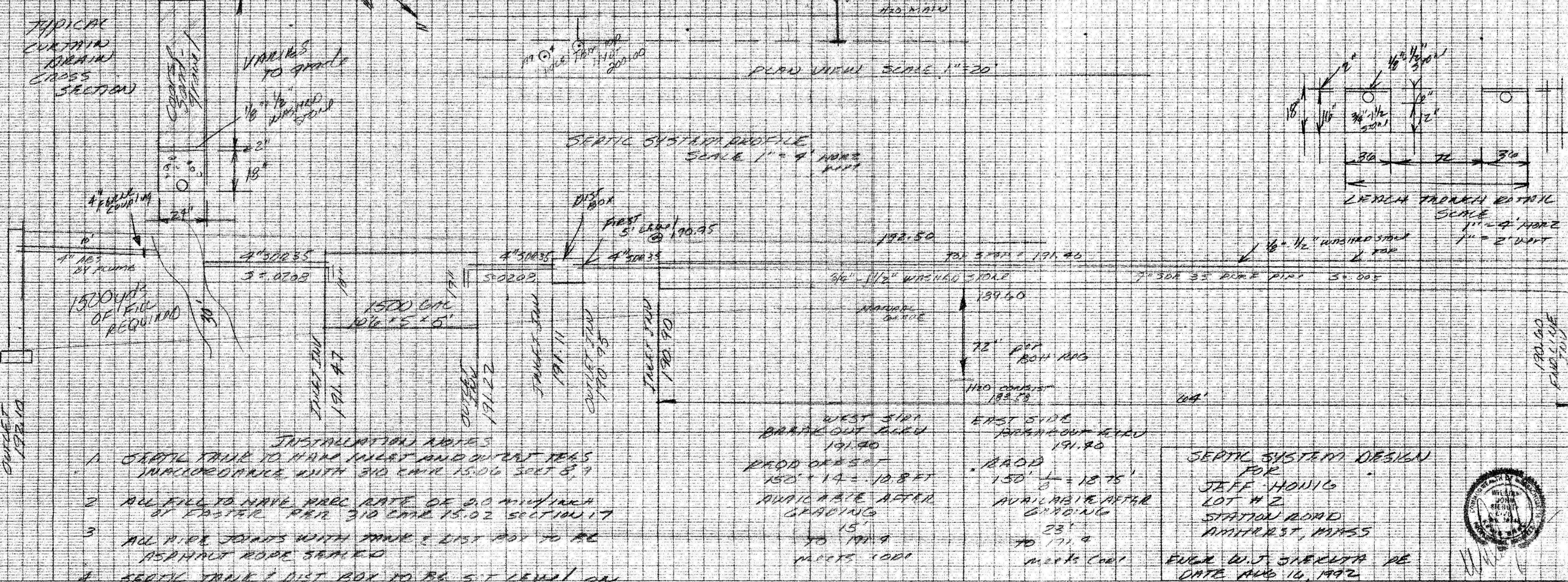
SEPTIC TANK 310 CMR 15.06
 $412.5 \text{ GALS/DAY} \times 1.50 = 618.75$

MINIMUM TANK SIZE PERMITTED IS 1500 GAL 310 CMR 15.06 SR.1
 USE 1500 GAL SEPTIC TANK PER LAST CONC 10'0" 15' 15' TYPICAL 50' PERMANENT 80'S TO 100' TYP

LEACH SYSTEM DESIGN
 DUE TO SOIL CONDITIONS AND CONSTRUCTION LIMITATIONS A LEACH TRENCH DESIGN IS TO BE USED

EFFECTIVE WIDTH 3'
 EFFECTIVE DEPTH 1'
 EFFECTIVE LENGTH 124'

PERMEABILITY DESIGN RATE 10.0 GALS/FT²/DAY
 BOTTOM AREA 124' x 3' = 372 FT²
 SIDE WALLS 1.0 GAL/FT²
 LEFT BATTERY TRENCHES



TOTAL PERMEABILITY 372 x .55 + 298 x 1.0 = 452 GAL/DAY EQUALS FLOW REQD

LOW PERMEABLES 62 GAL/FT² SIDE WALLS 1.0 GAL/FT² LEFT BATTERY TRENCHES

SEPTIC SYSTEM DESIGN FOR JEFF HOVIG LOT # 2 STATION ROAD AMHERST, MASS ENGR W.J. SIERUTA PE DATE AUG 16, 1992

MADE IN U.S.A. CLEARING PAPER CO. 100% RECYCLED PAPER