

OLD MONTAGUE ROAD (Pending)

MAR 12 1990

Perce Test Plans 3/11/90 CH 627 100.00 CK 73805 60.00 FEE 3/12/90

No. 90-3

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

LOT 1 OLD MOUNTAGUE ROAD Amherst MA

D.H. JONES Location Address TRIANGLE ST AMHERST MA or Lot No.

Owner

Address

Type of Building 4 Duplex Dwelling - No. of Bedrooms 2 Expansion Attic () Garbage Grinder ()

Other - Type of Building Residential No. of persons 12 Showers (4) - Cafeteria ()

Other fixtures FULL BMT WITH DRAINS

Design Flow 110 gallons per person per day. Total daily flow 12100 gallons

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

Disposal Trench - No. 2 Width 13'13" Total Length 29 Total leaching area 249 sq. ft.

Seepage Pit No. 2 Diameter 13'13" Depth below inlet 29 Total leaching area 249 sq. ft.

Other Distribution box (1) Dosing tank ()

Percolation Test Results Performed by W.J. SIERUTA Date 3/1/90

Test Pit No. 1 2.0 minutes per inch Depth of Test Pit 79 Depth to ground water DWA

Test Pit No. 2 2.0 minutes per inch Depth of Test Pit 60 Depth to ground water DWA

Description of Soil TPI-1 0-19 O15 LOAM 19-27 SILTY GRAVEL SUB SOIL 27-121 well graded gravel H2O 121 TPI-2 0-19 O15 19-27 SILTY GRAVEL SUB 27-121 well graded gravel

Nature of Repairs or Alterations - Answer when applicable H2O 121"

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 [Signature] 3-12-90

Application Approved By [Signature] Date 5/12/90

Application Disapproved for the following reasons:

Permit No. 90-3 Issued [Date] 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 [Installer] at [Address]

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. 90-3 dated 3/12/90

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

DATE [Date] Inspector [Signature]

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. [Address]

as shown on the application for Disposal Works Construction Permit No. 90-3 Dated 3/12/90

DATE 3/12/90 [Signature] Board of Health

FORM 1255 A. M. SULKIN, BOSTON

CH 627-3/1/90 100.00 POC FEE 60.00 3/12/90 CH-73805

CHECK OR FILL IN WHERE APPLICABLE

Handwritten scribbles and marks in the top right corner.

Faint, illegible text at the top center of the page.

Very faint, illegible text spanning the width of the page.

Small handwritten word or phrase.

Handwritten text, possibly a list or series of notes.

Handwritten text, possibly a list or series of notes.

Handwritten text, possibly a list or series of notes.





Perce 3/11/90
Test CH 627 100.00
Plus FEE CK 73805 60.00
3/12/90

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:

LOT 1 OLD MOUNTAGUE ROAD AMHERST MA

D.H. JONES TRIANGLE ST AMHERST MA

Owner

Address

Installer

Address

Type of Building 6 Duplex residential Expansion Attic () Size Lot 40,036 Sq. feet

Dwelling - No. of Bedrooms 2 Garbage Grinder ()

Other - Type of Building Residential No. of persons 12 Showers (4) - Cafeteria ()

Other fixtures FULL BMT WITH DRAINS

Design Flow 110 gallons per person per day. Total daily flow 12200 gallons 825

Septic Tank - Liquid capacity 1500 gallons Length 10'6" Width 5' Diameter 24" Depth 5'

Disposal Trench - No. 2 Width 18'13" Total Length 29' Total leaching area 240 sq. ft.

Seepage Pit No. 2 Diameter 18'13" Depth below inlet 29' Total leaching area 240 sq. ft.

Other Distribution box (1) Dosing tank () Bottom 468 ft 2 510' 240 ft 2

Percolation Test Results Performed by W.J. Sieruta Date 3/1/90

Test Pit No. 1 2.0 minutes per inch Depth of Test Pit 79" Depth to ground water DNA

Test Pit No. 2 2.0 minutes per inch Depth of Test Pit 60" Depth to ground water DNA

Description of Soil TPI-1 0-19 OIS LOAM 19-27 SILTY GRAVEL

H2O 121 TPI-2 0-19 OIS 19-27 SILTY GRAVEL

GRAVEL SUB 27-121 well graded gravel

Nature of Repairs or Alterations - Answer when applicable H2O 121"

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 [Signature] Date 3-12-90

Application Approved By [Signature] Date 3/12/90

Application Disapproved for the following reasons:

Permit No. 90-3 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

at LOT #1 Old Mountague 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. 90-3 dated 3/12/90

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 D.H. Jones

to Construct (X) or Repair () an Individual Sewage Disposal System

at No. LOT #1 Old Mountague Road

as shown on the application for Disposal Works Construction Permit No. 90-3 Dated 3/12/90

DATE 3/12/90 Board of Health

CH 627-3/11/90
100.00 PRC
FEE 60.00
3/12/90
CK 73805

CHECK OR FILL IN WHERE APPLICABLE



AMHERST HEALTH DEPARTMENT

TITLE V FEES

CK 627
3/1/90 100⁰⁰
3/12/90 60⁰⁰
PHMS

Owner: D. H Jones

Site: Old Mountaineer Rd. CK 73805

Percolation Test: Per Lot

(1) Date: 3/1/90 100⁰⁰

_____ Date: _____

_____ Date: _____

_____ Date: _____

_____ Date: _____

Disposal Works Construction Permit 60⁰⁰

Plan Review Date 3/12/90

Final Inspection Date _____

Subsequent Plan Review

Date _____

Date _____

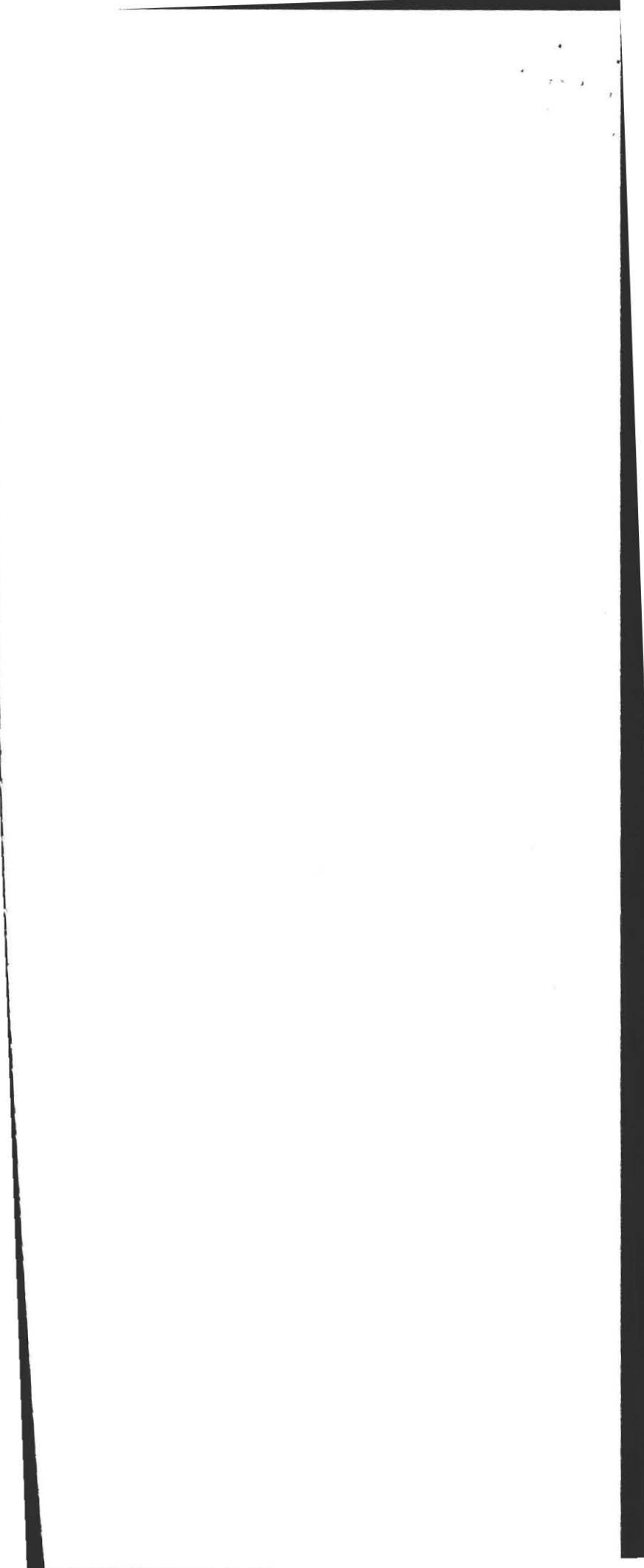
Date _____

Reinspection of Installation

Date _____

Date _____

Date _____



TOWN OF AMHERST

PERC TEST DATA SHEET

MARCH 1, 1990
CK. 627
Perce P.L.
160⁰⁰
Bill Sieruta

DATE 3/1/90 LOCATION 016 MONTAGUE ROAD LOT SIZE _____

OWNER D. H. JONES ADDRESS 200 TRIANGLE STREET TELE # 549-3780

P.E./RS Bill Sieruta FIRM Bill Sieruta OBSERVED BY D. ZARZINSKI

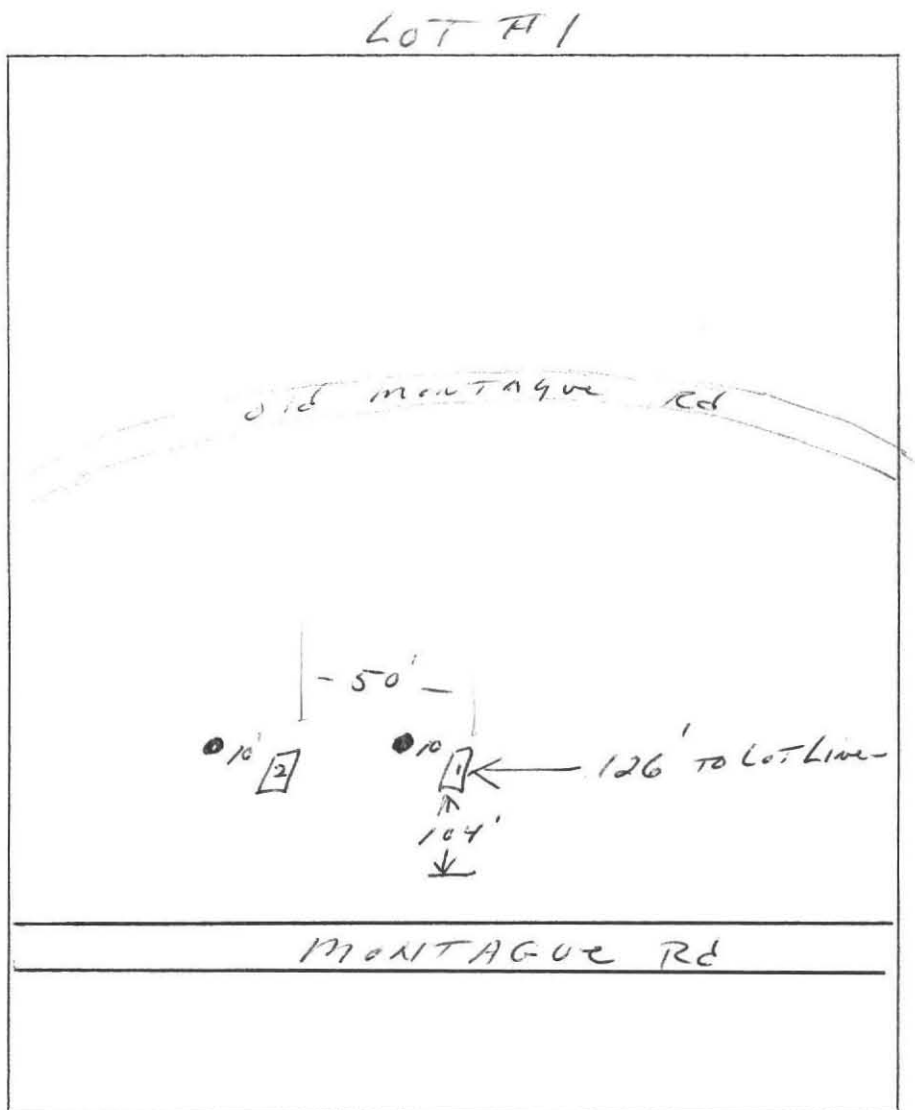
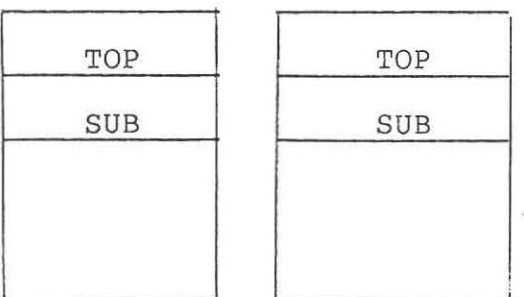
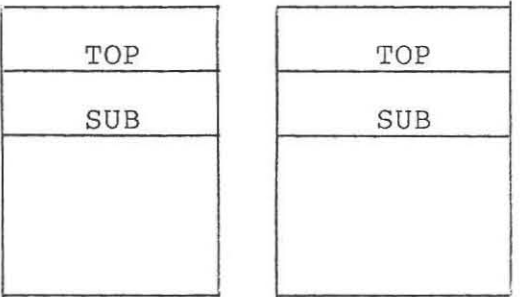
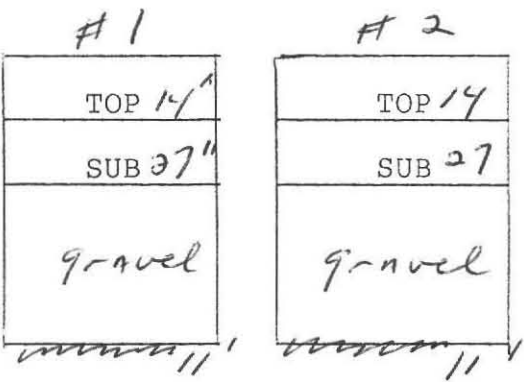
BACK HOE OPERATOR Sieruta BENCH MARK _____

PERC ^① DEPTH 29" PRE SOAK TIME CANT HOLD PERC ^② DEPTH 63" PRE SOAK TIME CANT HOLD

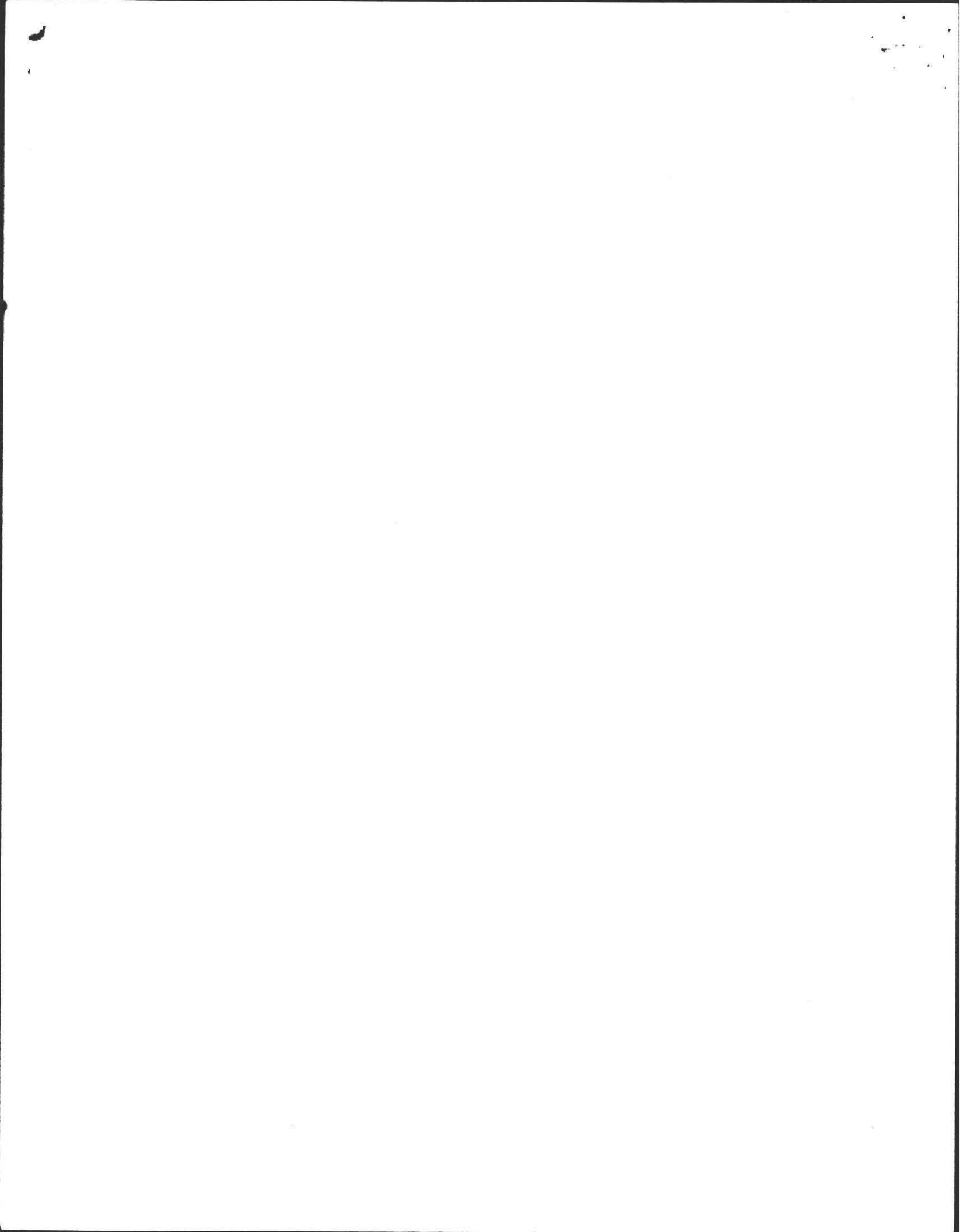
TEST

/	/	/	/
/	/	/	/
/	/	/	/
/	/	/	/

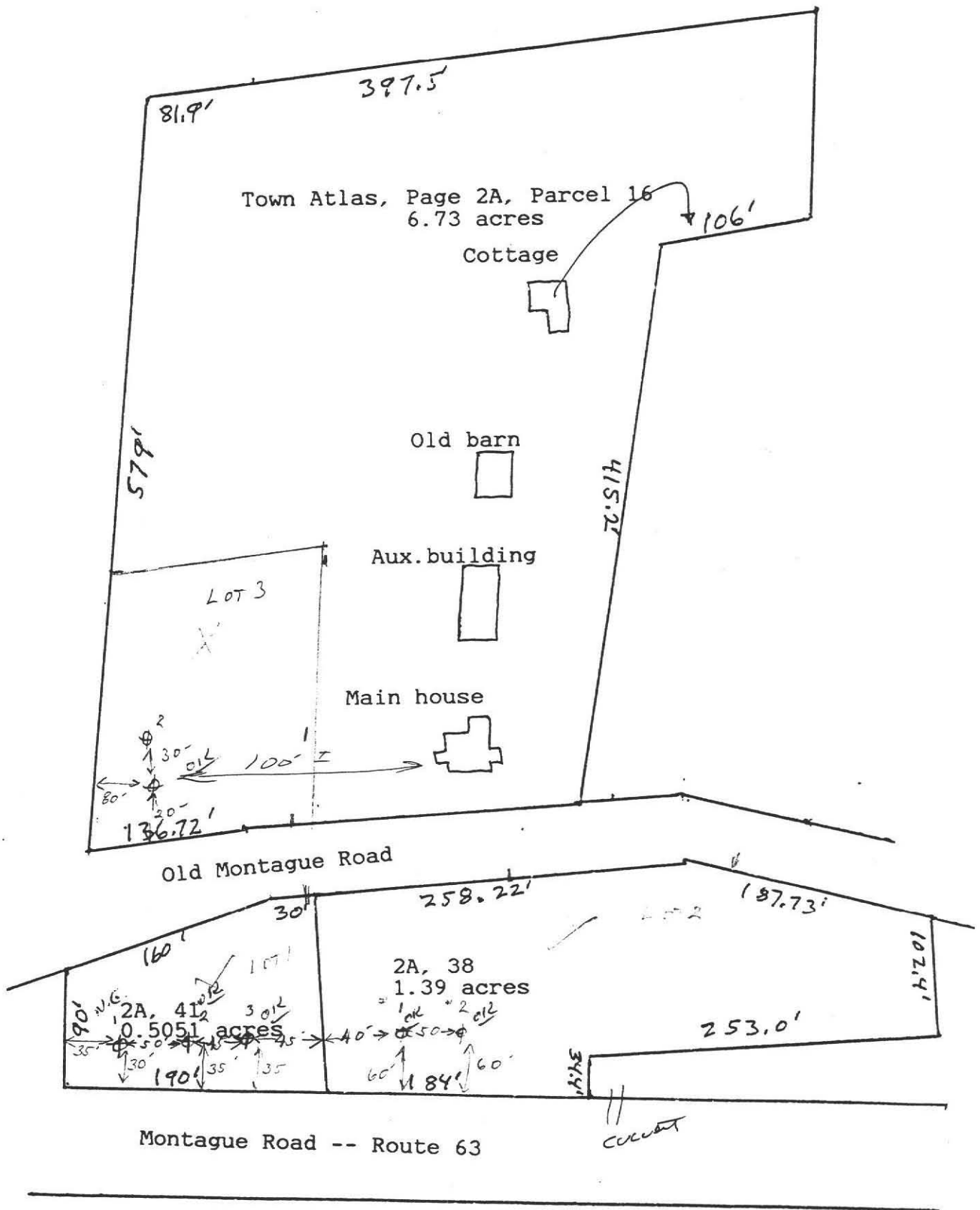
RATE ② RATE ②

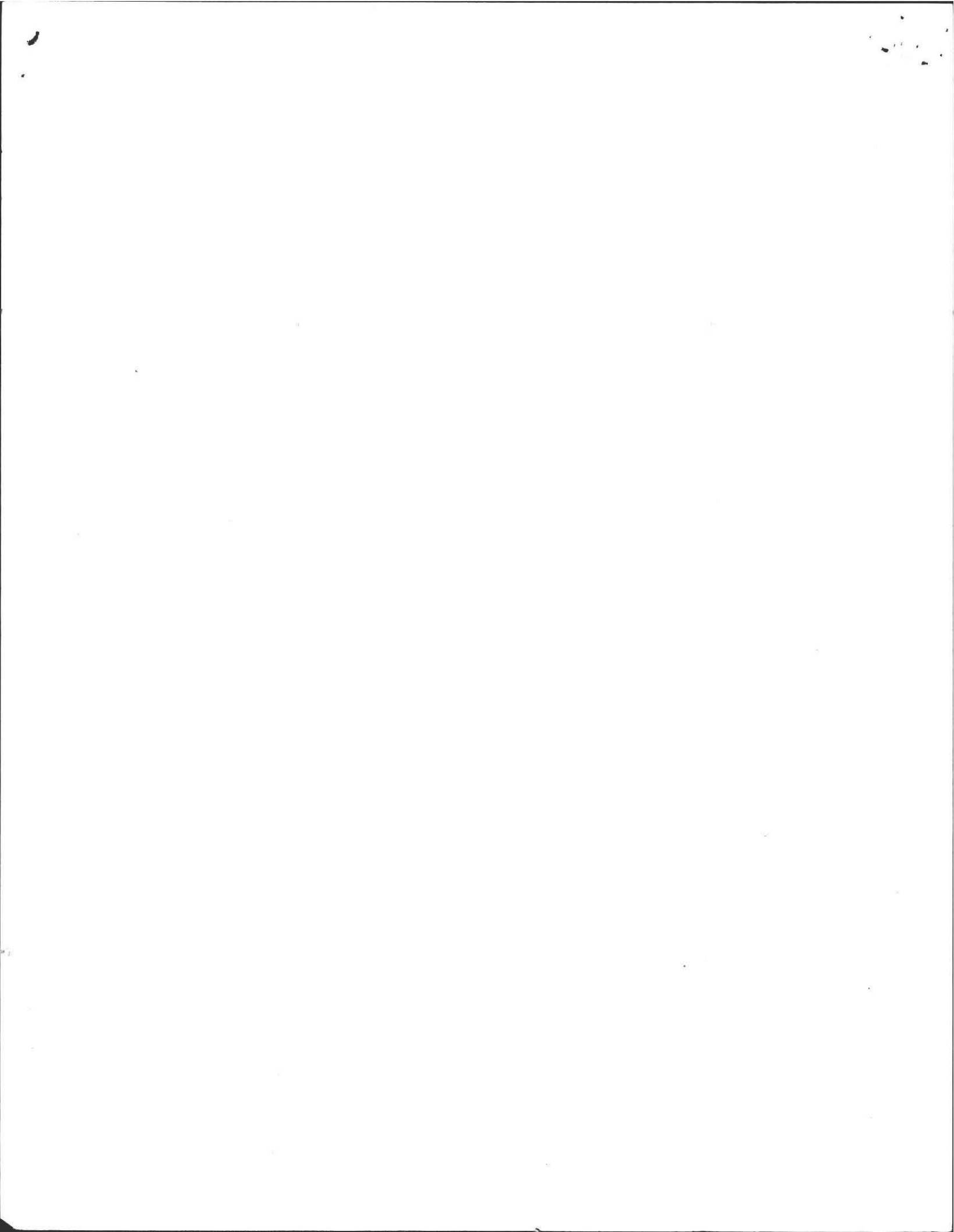


X



MAXSON PROPERTY, 401 Old Montague Road, Amherst





Percolation Test

Test No. PERC 1
 Reading _____ Time _____
 Saturation (15 min) 25 gal
12 _____
9 _____
6 1/3 = 33 _____

Test No. PERC 2
 Reading _____ Time _____
 Saturation (15 min) _____
12 350 _____
9 1/3 = 33 351 _____
6 352 _____

Perc Rate 2.0 Min/inch
 Ground Elev. _____
 Depth of Hole 79"

Perc. Rate 2.0 Min/inch
 Ground Elev. _____
 Depth of Hole 100

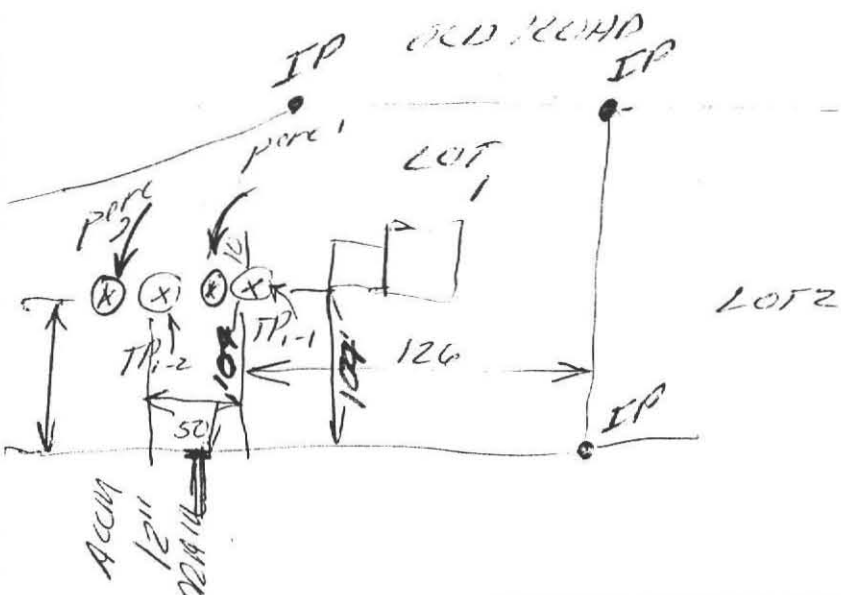
Test Pit TP1-1
 Depth Soil Description
0-14" OTS LOAM
14-27" SILTY SUB SOIL
27-121" WELL GRADED GRANUL FINE SAND.
 Groundwater Depth 121 Elev. _____
 Bedrock Depth - Elev. _____
 Ground Elev. _____

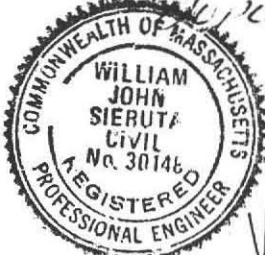
Deep Test Pit/s TP1-2
 Test Pit
 Depth Soil Description
0-14" OTS LOAM
14-27" SILTY SUB SOIL
27-121" WELL GRADED GRANUL
 Groundwater Depth 121 Elev. _____
 Bedrock Depth - Elev. _____
 Ground Elev. _____

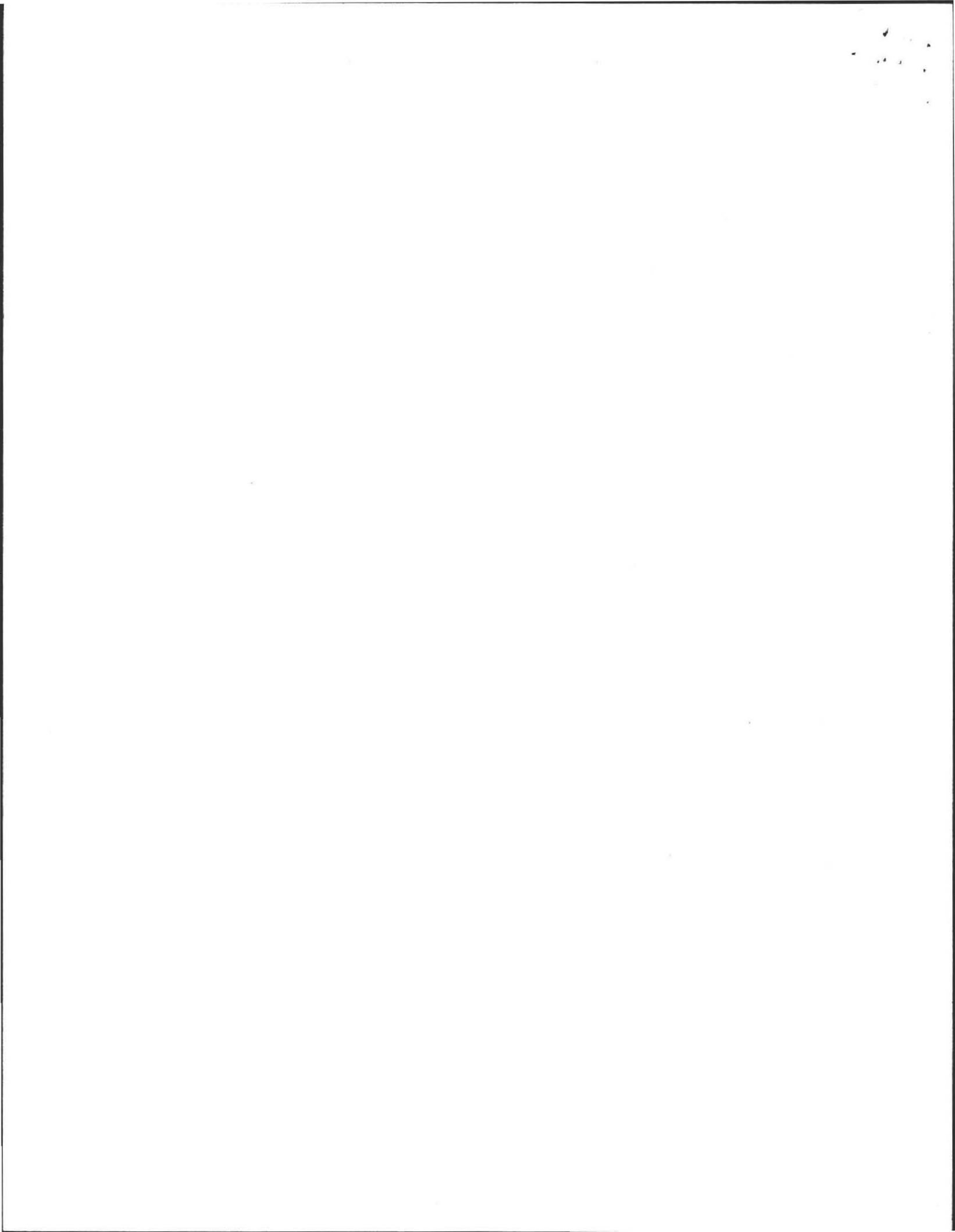
S.C.S. Soil Description Granul Seasonal High Water Table? AS NOTED
 Bench Mark: Elev. SET AT PROP PIN. Description N.W. PROP PIN
200.00

COMMENTS:

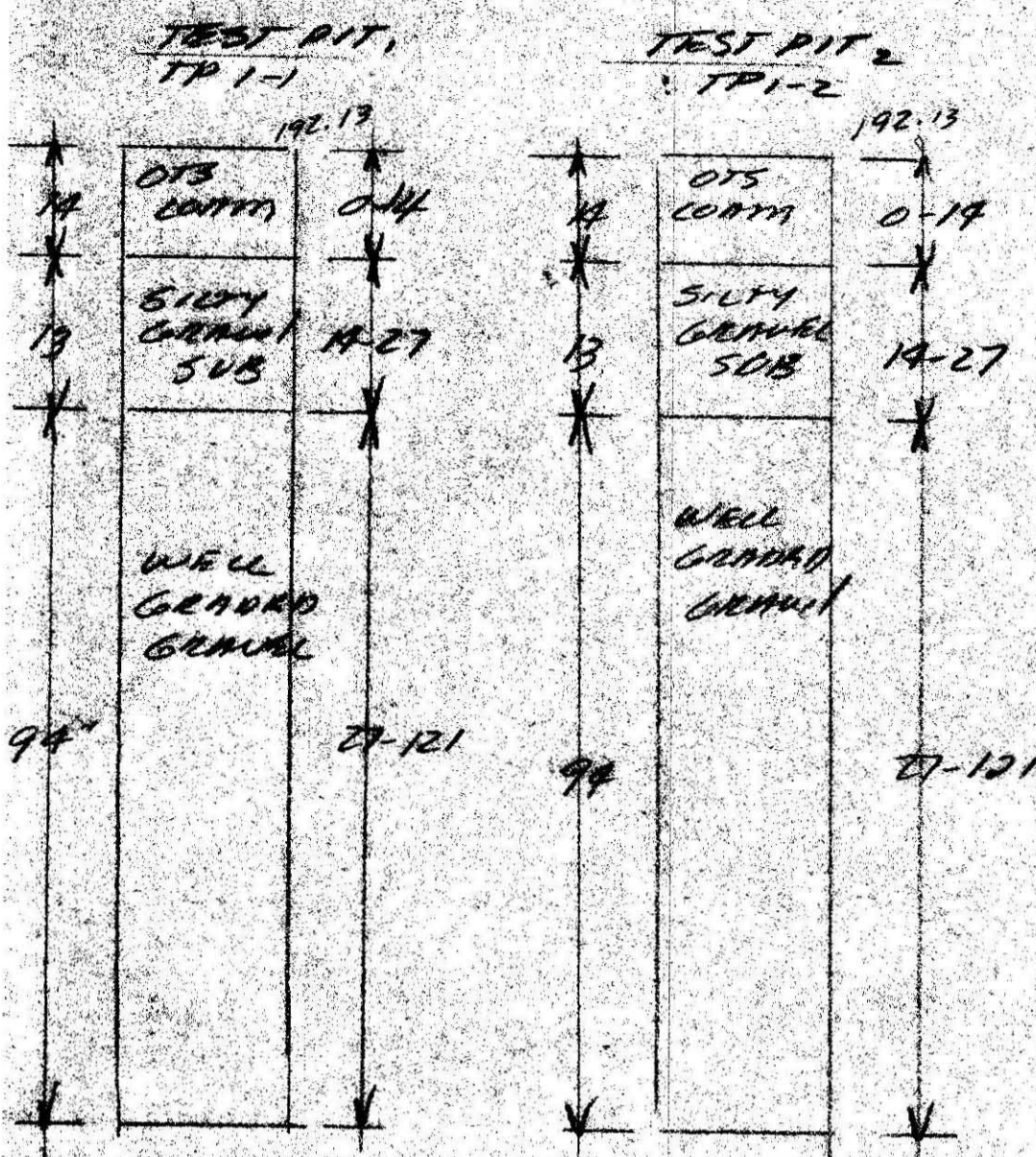
Date: MARCH 1 1990
 Client: D.H JONES
OLD MONTAGUE MA
N. AMHERST MA
 Engineer: W.J. SIERUTA
 Witness: D. EARZINSKI
 Location of Perc: ZAROZINSKI
OLD MONTAGUE RD
N. AMHERST



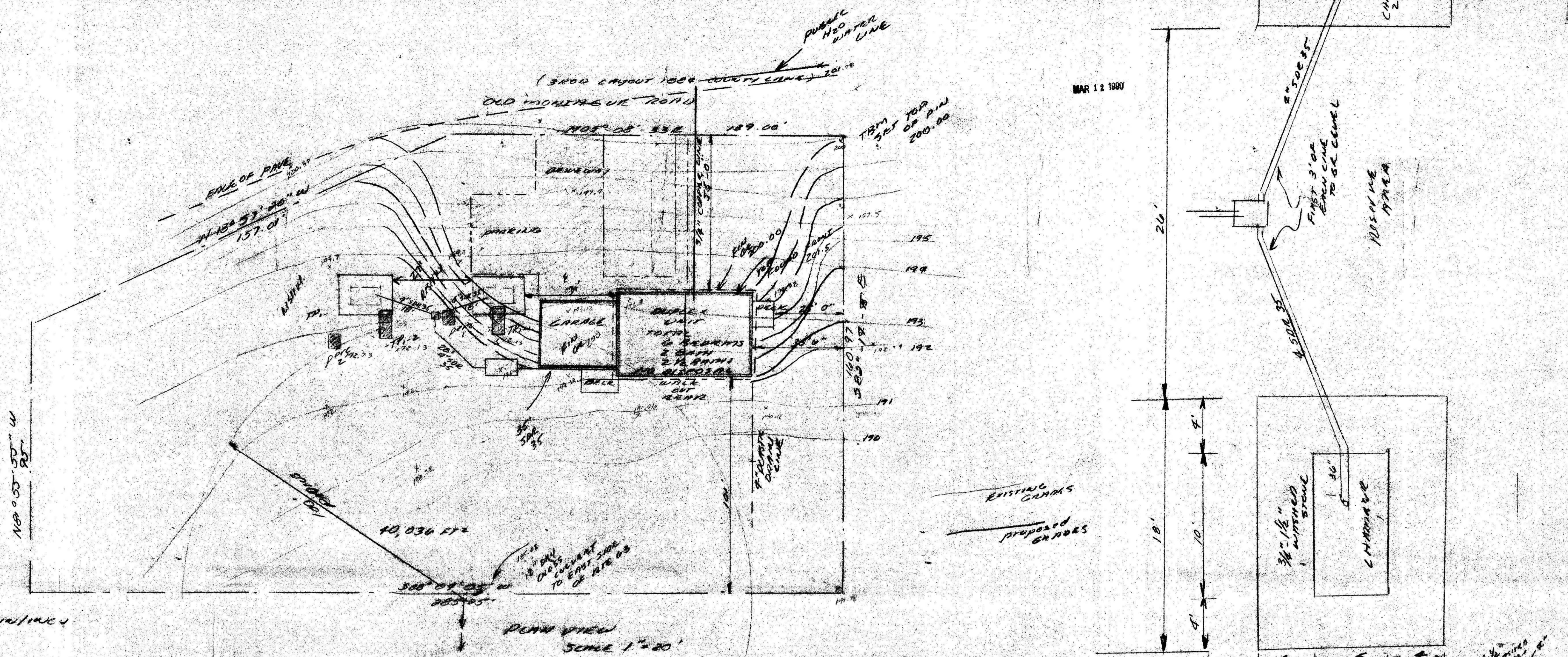
6 BEDROOMS
2 BATHROOMS
WIRE X

W. J. Sieruta



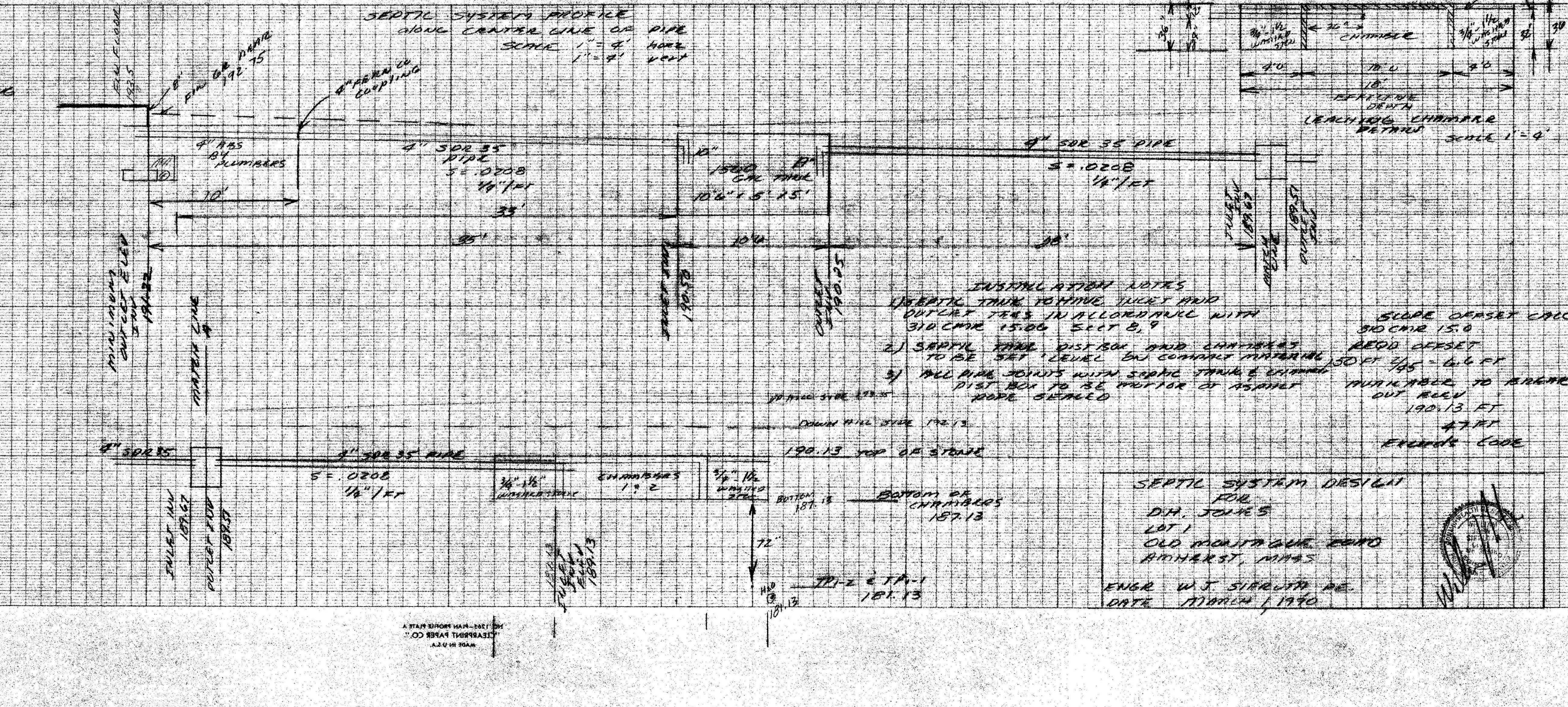
PERCOLATION TEST INFORMATION



H₂O 121" @ 101.13
 H₂O 121" @ 101.13
 DATE MARCH 1990
 DR. JONES
 OLD MONTAGUE RD
 AMHERST MASS.
 ENGR. W.J. SIERUTA
 WITNESS O. ZAROZINSKI RD HEALTH
 PERMEABILITY
 ACTUAL RATE
 PERCI .33 MIN/INCH RATE 2 .33 MIN/INCH
 DESIGN RATE
 2.0 MIN/INCH



DESIGN INFORMATION
 ALL CONSTRUCTION TO BE IN ACCORDANCE WITH
 310 CMR 15.0 AND LOCAL BOARD OF HEALTH
 REGULATIONS
 FINISH GRADING TO REMAIN SLOPED TO EXISTING
 PROFILE. ALL DISTRIBUTED AREAS TO BE LOANED
 AND SEEDED
DESIGN CRITERIA
 USE: DENSE RESIDENTIAL STRUCTURE
 EACH UNIT
 3 BEDROOMS
 1 1/2 BATH
 WORK OUT IN REAR
 WITH COMBINATION DEWAS
 NO DISPOSAL
 TOTAL 6 BEDROOMS
 NO DISPOSAL
 DESIGN FROM: 310 CMR 15.02 & BOARD OF
 HEALTH REGULATIONS
 6" x 10" @ 1.25' x 1.25' = 825 GALS (DAILY)
 SEPTIC TANK: 310 CMR 15.00
 825 GALS x 1.50' = 1237
 USE 1500 GAL TANK (MINIMUM)
 10'6" x 5'5" 5' FROM BASE
 TO INLET JUV
 ELEV.
LEACHING SYSTEM
 DUE TO SOIL CONDITION AND DEPTH TO
 H₂O A LEACHING PIT DESIGN IS TO BE USED
 310 CMR 15.03
 USE 2 LEACHING CHAMBERS
 4 FT STAKE ALL SIDES
 EFFECTIVE DEPTH 24"
 EFFECTIVE WIDTH 13"
 EFFECTIVE LENGTH 19'
 EACH BOTTOM AREA 13' x 19' = 234 FT²
 SIDE WALL AREA
 13' x 2' x 2 + 19' x 2' x 2 = 124 FT²
TOTAL AREA
 234 + 2 x 110' x 4' + 124 + 2 x 25' =
 510
 239
 549
 468 + 620 = 1088 GALS
 DAILY



INSTALLATION NOTES
 1) SEPTIC TANK TO HAVE TILLY AND
 OUTLET TEES IN ACCORDANCE WITH
 310 CMR 15.00 SECT B, 9
 2) SEPTIC TANK DIST BOX AND CHAMBERS
 TO BE SET LEVEL BY COMPANY INSTALLING
 3) ALL PIPE JOINTS WITH SANDING TANK & CHAMBER
 DIST BOX TO BE WIPED OR ASSESS
 HOPE CLEANED
 SCOPE OFFSET CALL
 310 CMR 15.0
 RECD OFFSET
 50 FT 4.5' - 6.6 FT
 AVAILABLE TO BECOME
 OUT RECD
 190.13 FT
 4.7 FT
 EXERCISE CARE

SEPTIC SYSTEM DESIGN
 FOR
 DR. JONES
 LOT 1
 OLD MONTAGUE ROAD
 AMHERST, MASS
 ENGR. W.J. SIERUTA P.E.
 DATE MARCH 1990

