

AMHERST WOODS Lot 146 87-2
Pending

No. 87-2

FEE \$90

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST, MASSACHUSETTS

Application for Disposal Works Construction Permit

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

AMHERST WOODS AMHERST MASS. LOT # 146

BRUCE TAYLOR #6 ROAD LIVERETT MASS

CRAIG E STUART 36 EMILY LN. AMHERST MA

Installer RA Roberts License 21999 Sq. feet

Type of Building 3 bedroom Expansion Attic (NO) Garbage Grinder (1)

Dwelling - No. of Bedrooms 3 Bed room 3 Showers 1 1/2 - Cafeteria (NO)

Other - Type of Building Residential No. of persons 3

Other fixtures 1 1/2 bath rooms

Design Flow 110 gallons per person per day, Total daily flow 330 gallons.

Septic Tank - Liquid capacity 100 gallons Length 8'0" Width 5'0" Diameter - Depth 5'0"

Disposal Trench - No. 1 Width 3'0" Total Length 128 FT 2

Seepage Pit No. 7500m 10'0" x 5'6" Depth below inlet 8'0" Total leaching area sq. ft.

Other Distribution box () 3'0" Dosing tank ()

Percolation Test Results Performed by FA FILIOS Date 1/20/87

Test Pit No. 1 2.0 minutes per inch Depth of Test Pit 48" Depth to ground water BWA

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

Description of Soil DRP HOLE OBSERVATION 0-7" TOPSOIL

7"-20" SUBSOIL 80"-144" COARSE SAND AND CORREL

Nature of Repairs or Alterations - Answer when applicable

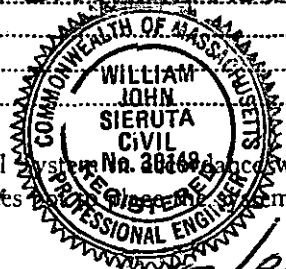
Agreement: The undersigned agrees to install the aforescribed Individual Sewage Disposal System in accordance with the provisions of TITLE 5 of the State Sanitary Code - The undersigned further agrees to maintain the system in operation until a Certificate of Compliance has been issued by the board of health.

Signed William J. Sieruta 1/20/87

Application Approved By [Signature] 1/20/87

Application Disapproved for the following reasons:

Permit No. 87-2 Issued 1-20-87 Date



THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

OF

Certificate of Compliance

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

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

Disposal Works Construction Permit

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

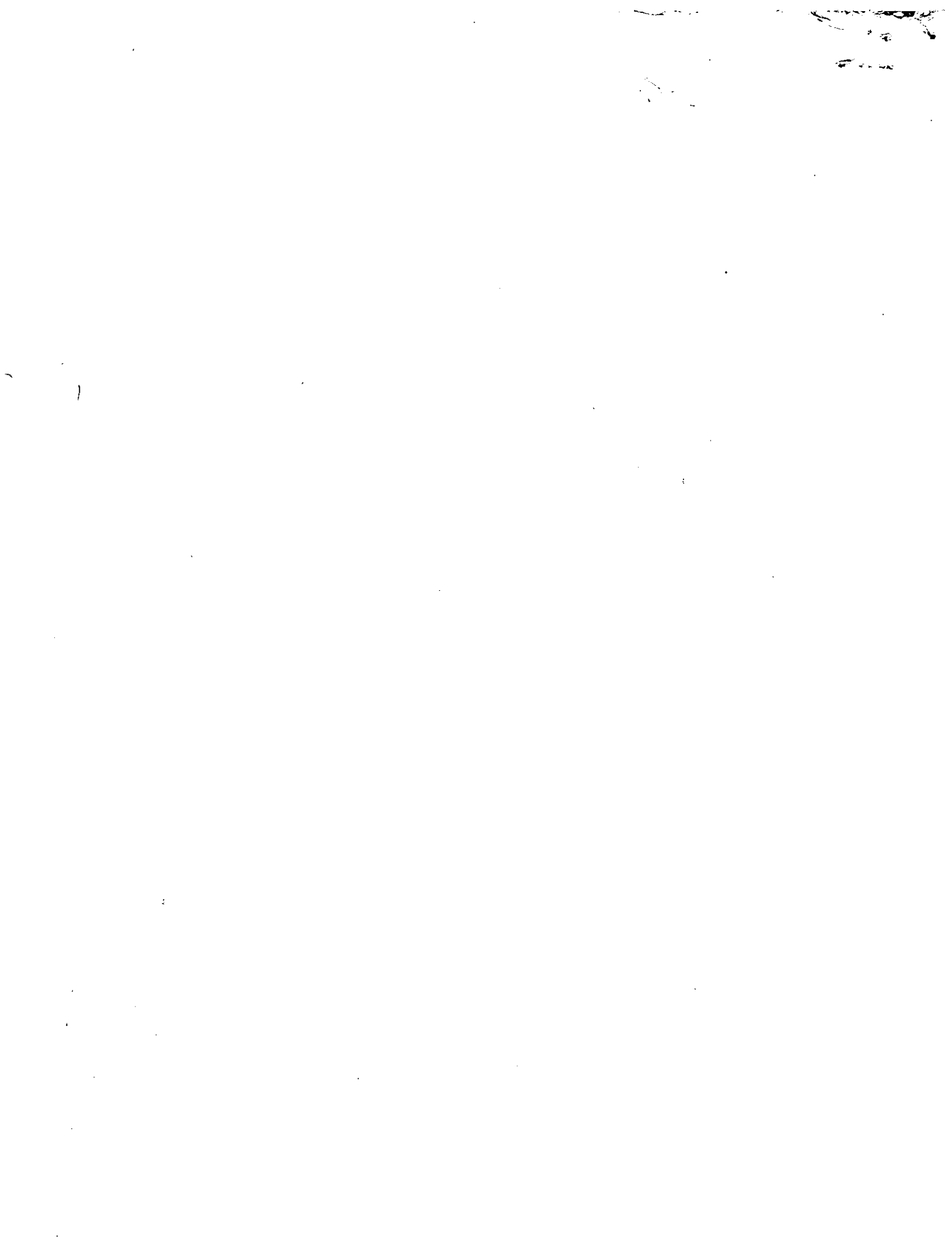
at No. 646 FEBRUARY LANE

as shown on the application for Disposal Works Construction Permit No. 87-2 Dated 1-20-87

DATE 1-20-87 Board of Health

CHECK OR FILL IN WHERE APPLICABLE





PERCOLATION TEST LOCATION

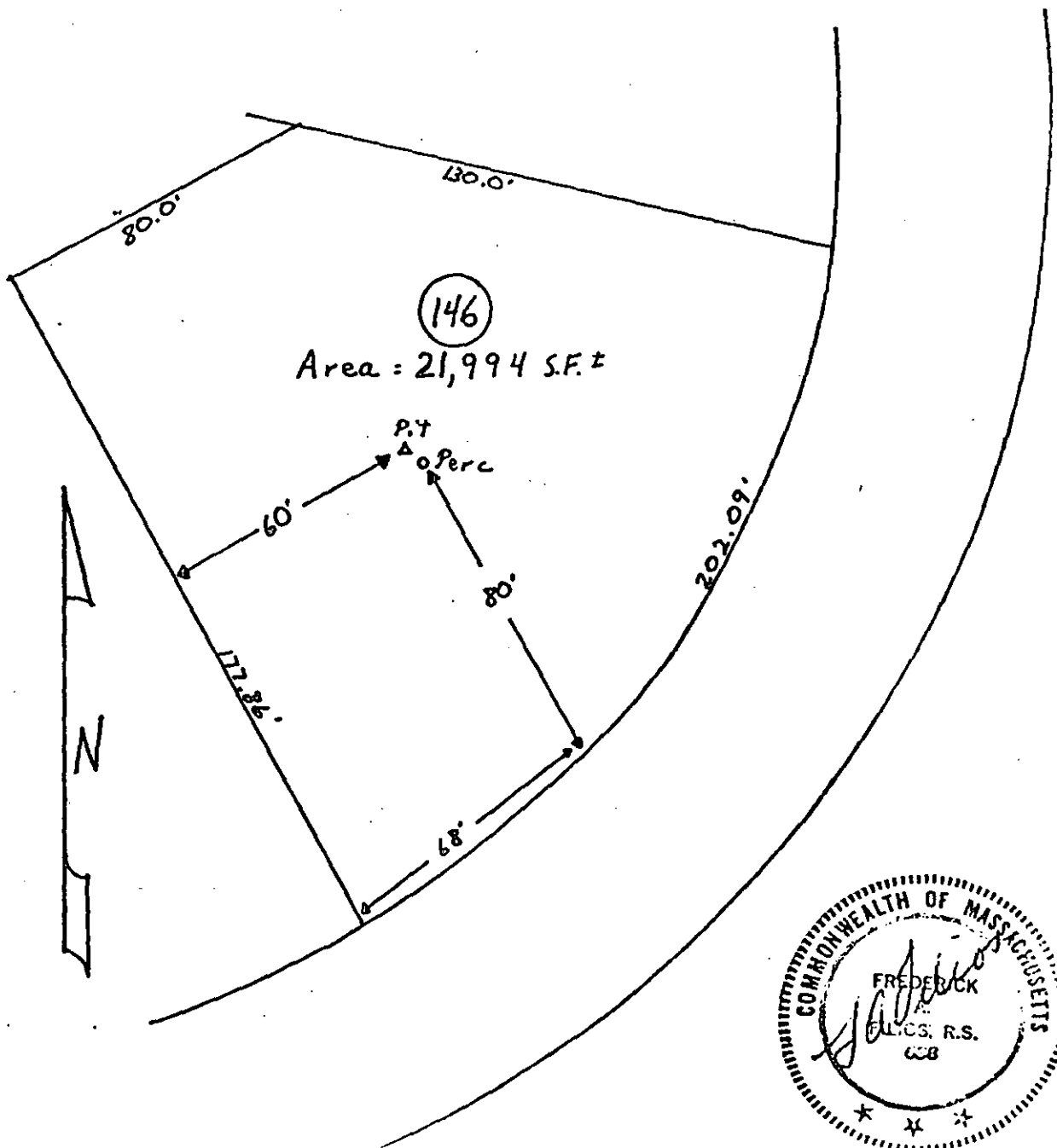
FOR: Jeffrey W. Flower
Greenscape Corp.
Essex Square
Essex, CT. 06426

BY: F.A. Filios
69 Pelham Road
Amherst, MA.

AT: Amherst Woods Lot 146
Amherst, MA.

SCALE: 1" = 40'

DATE: March 10, 1986





3 1/2 dm w/ grinder

DEEP SOIL LOGS

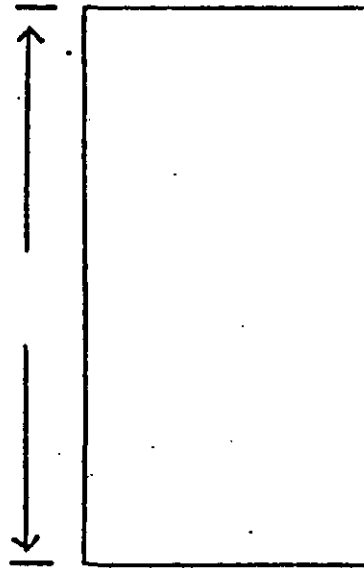
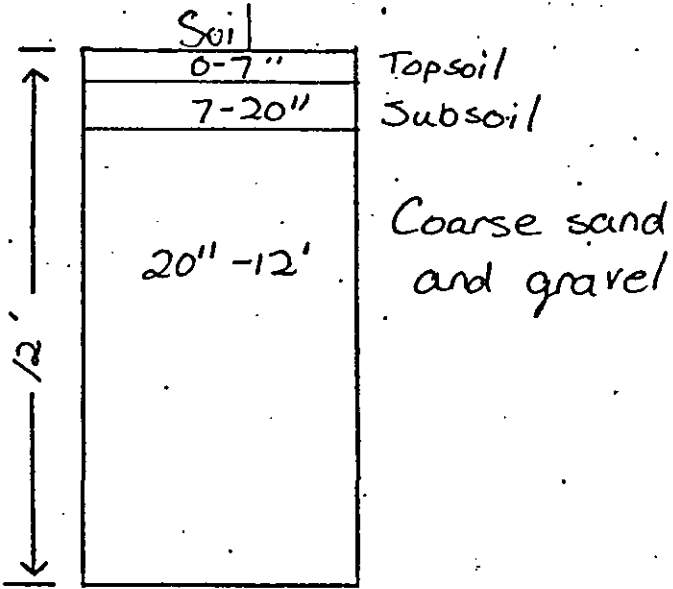
OWNER Jeffrey W. Flower

DATE March 10, 1986

LOCATION Lot 146 Amherst Woods
Amherst, MA.

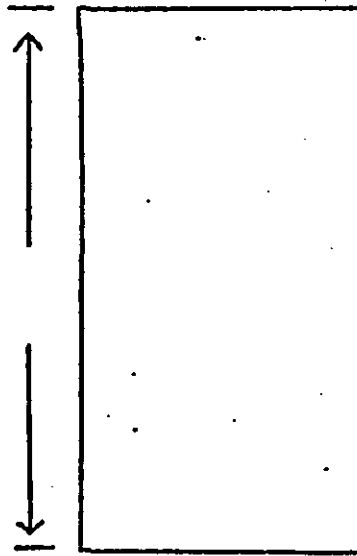
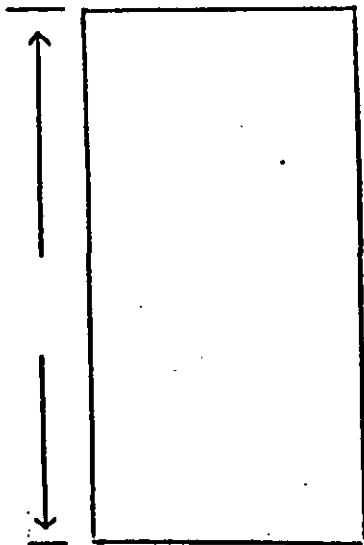
OBSERVER F. A. Elias

B of H C. Drake



GROUND WATER none

GROUND WATER _____

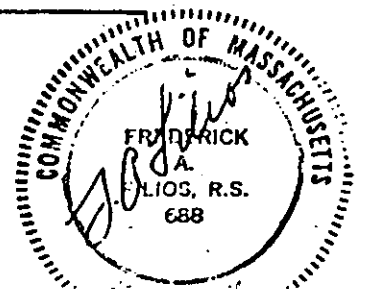


GROUND WATER _____

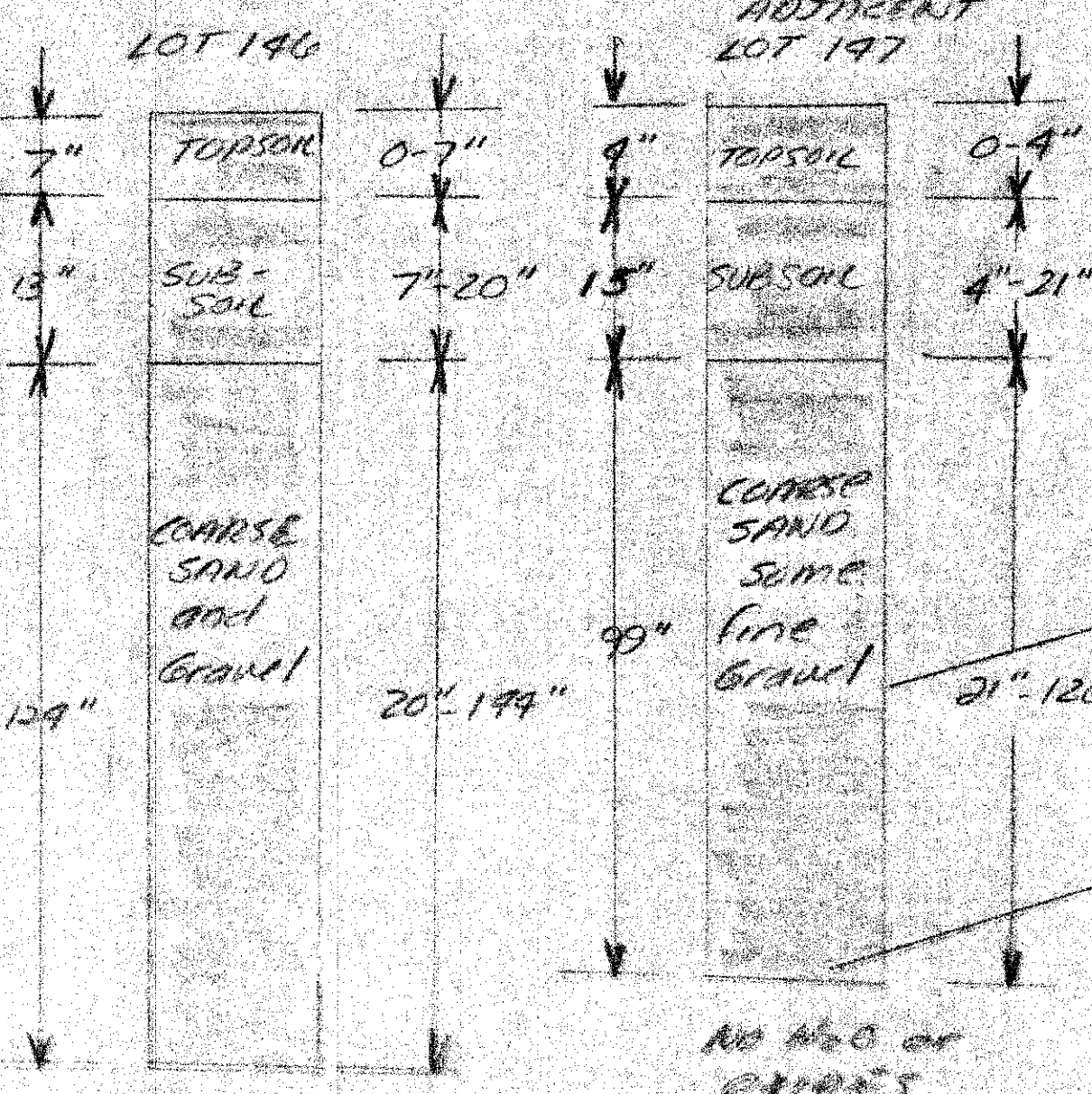
GROUND WATER _____

PERCOLATION RATE AT 48 :

< 2 min./inch



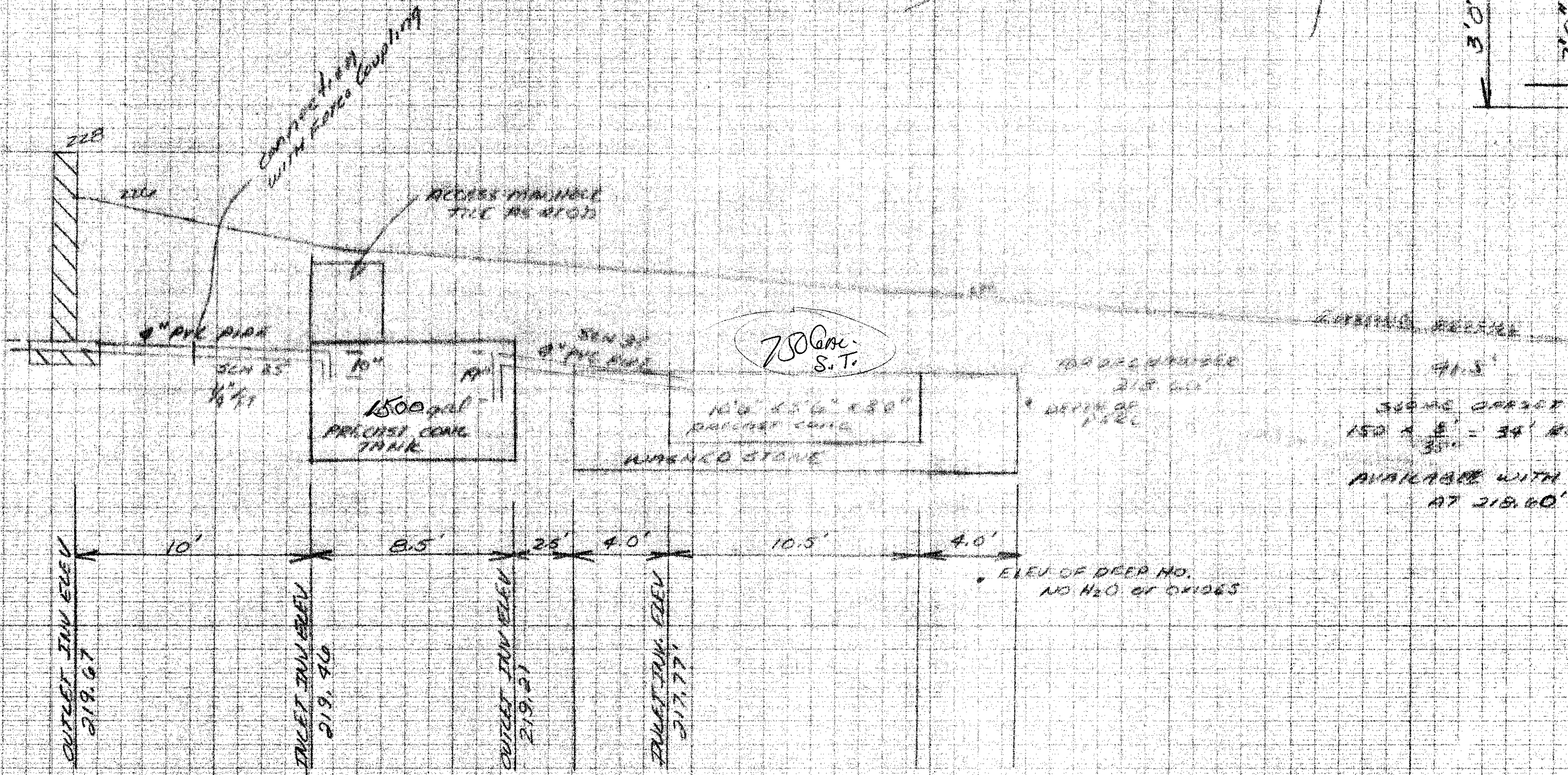
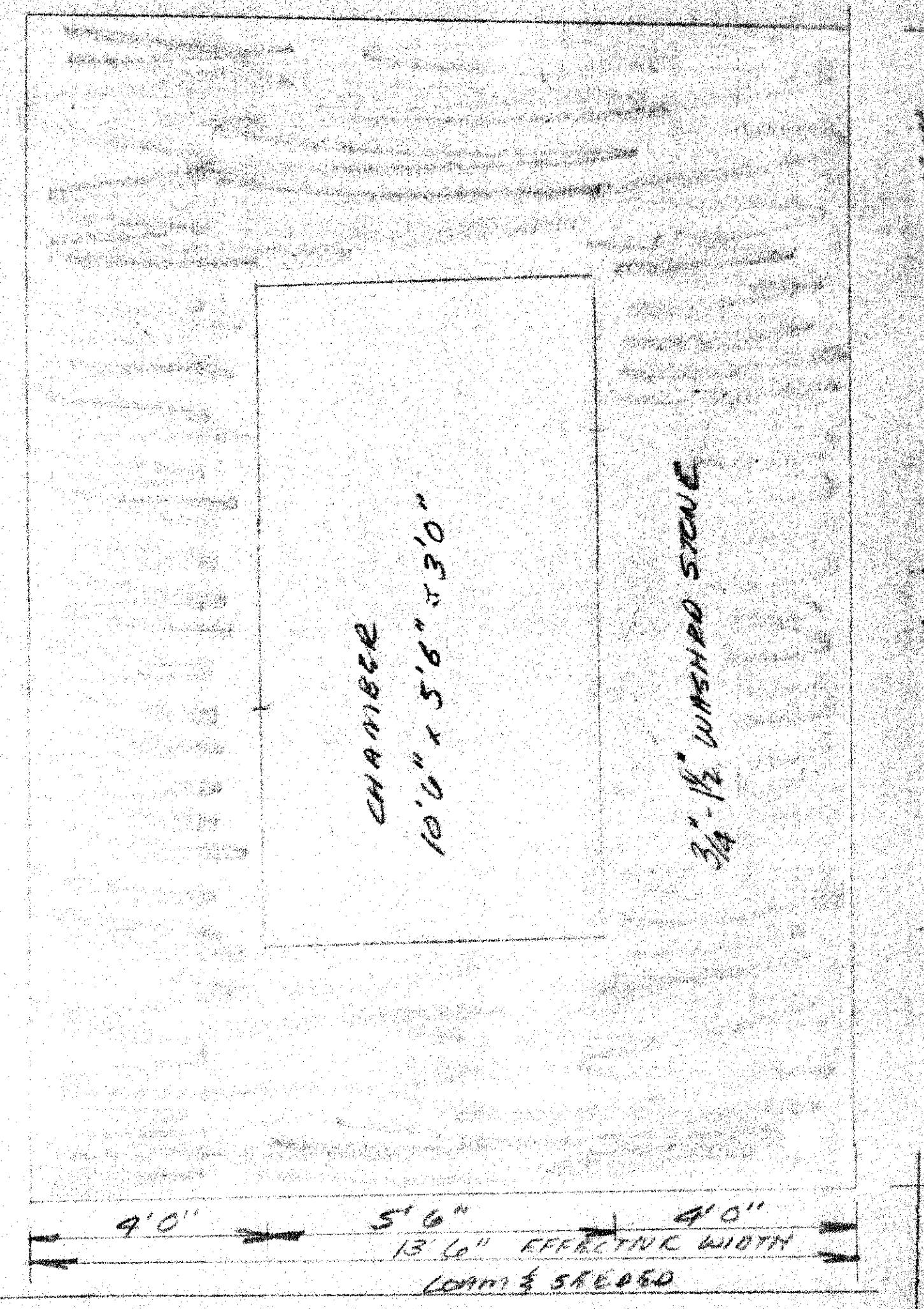
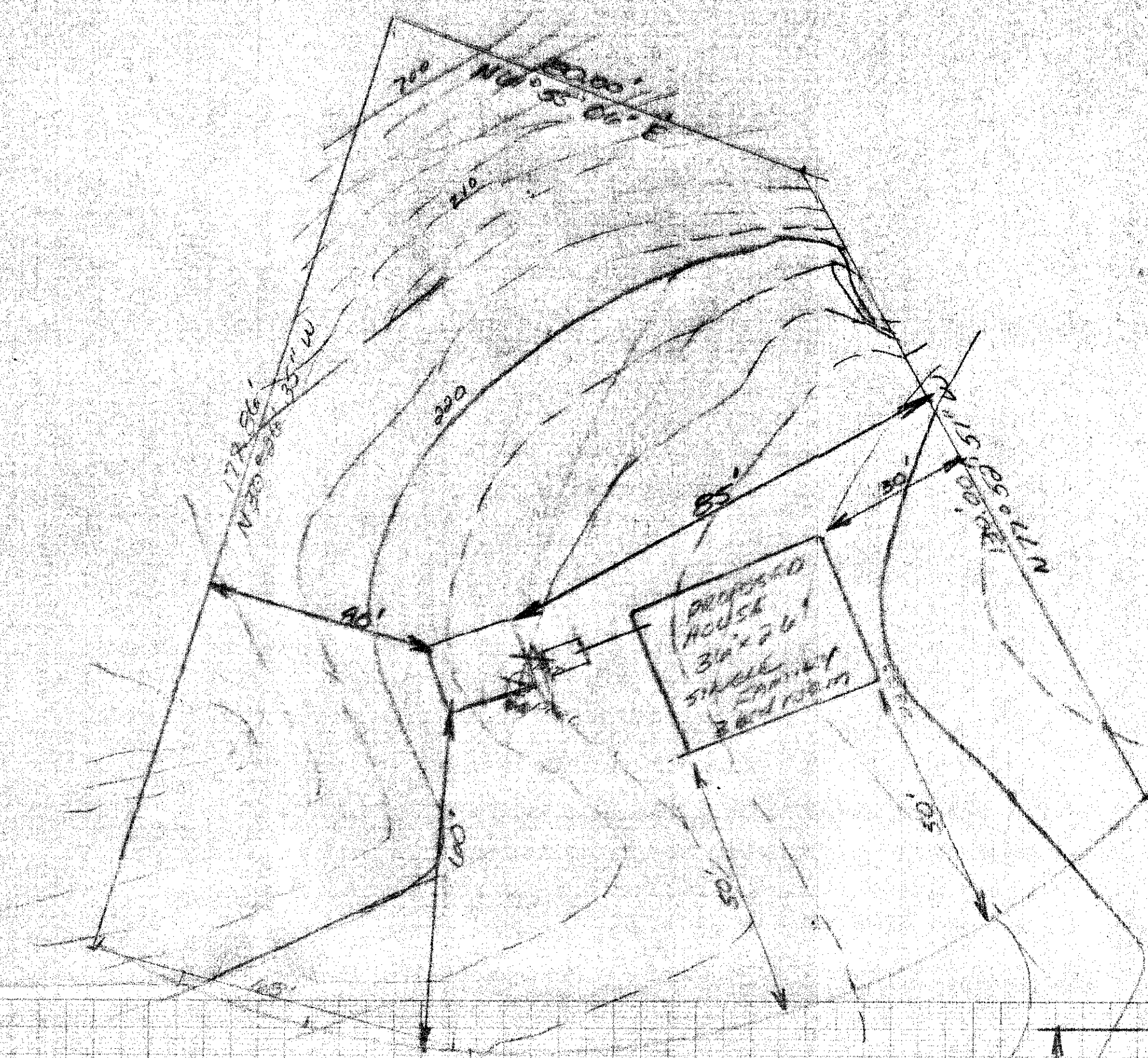
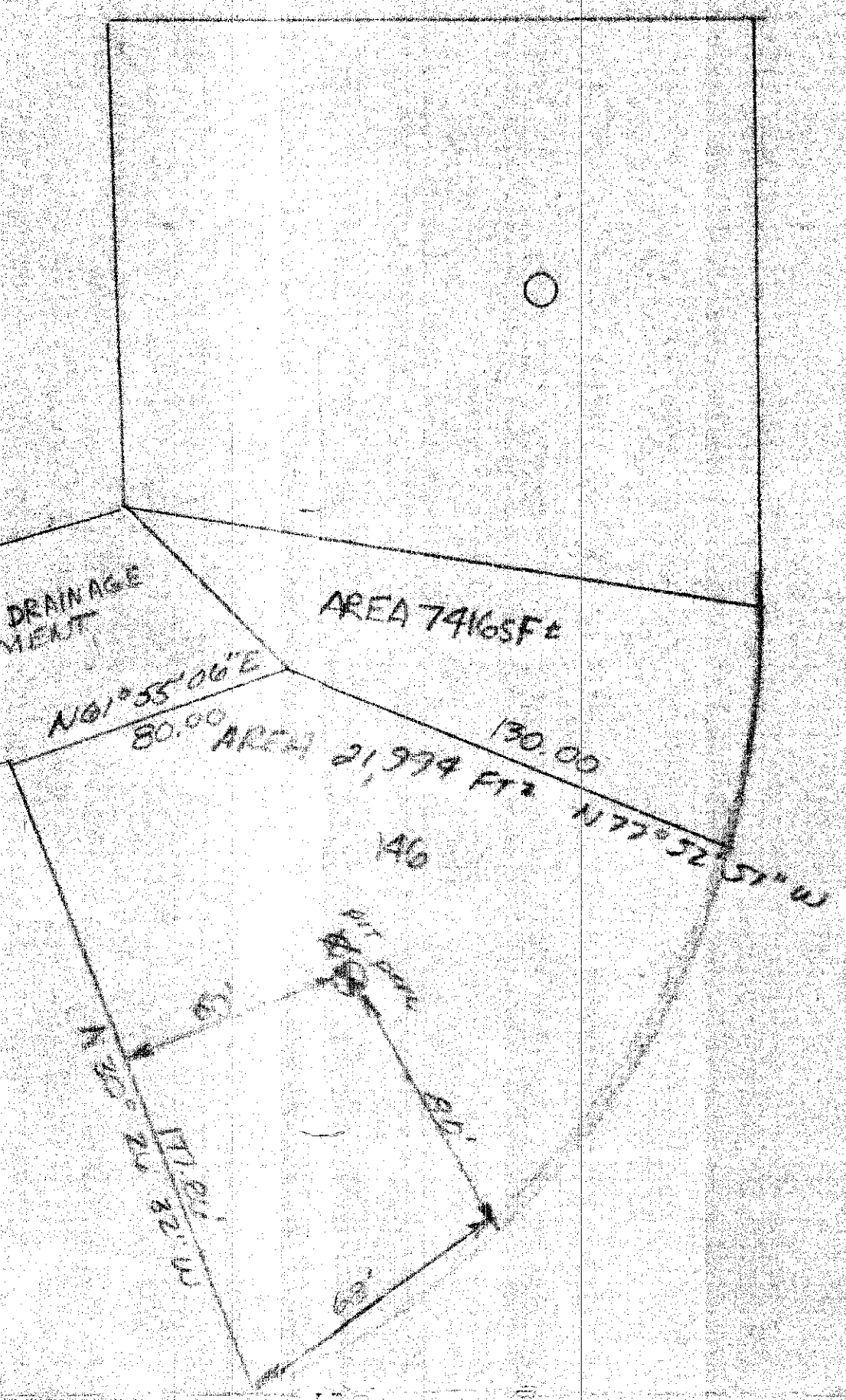
CONTINUOUS LOTS 1 DEEP HOLE
OBSERVATION PER LOT PERMITTED
ADJACENT
LOT 146



NO NO. OF
DRADES
PERCOLATION TEST
D.S. PA. 11.185
149 FELMANN RD
AMHERST, MASS
D.S.P. C. DRAKE, RS
DATE: MARCH 10, 1950
DEPTH 48"
RATE 2.0 min/in DESIGN RATE 2.0 min/in

DESIGN NOTES

- ALL CONSTRUCTION TO BE IN ACCORDANCE WITH 310 CMR 15.00 TITLES
 - FINISH CONTOURS TO BE SIMILAR TO EXISTING PROFILE WITH GRADING AND SEEDING ONLY IN VICINITY OF THE HOUSE
- DESIGN CRITERIA
USE: RESIDENTIAL HOME 3 BEDROOM 1 1/2 BATHROOMS WITH CARTRIDGE DISPOSAL
- DESIGN FLOW
110 gal/day/bedroom x 3 bedrooms = 330 gal/day
- SEPTIC TANK REQUIRED
330 gal/day x 150% = 495 gal 495 x 200% = 990 gal
1800 gal tank minimum tank size 990 gals allowed per 310 CMR 15.06 (1)
USE PRECAST CONCRETE TANK
8'5" x 5'0" x 5'0"
- LEACHING SYSTEM DESIGN
DUE TO EXCELLENT SOIL CONDITIONS AND THE ELEVATION OF EXISTING WATER TABLE AND GROUND LEVEL A LEACHING CHAMBER DESIGN IS TO BE USED PER 310 CMR 15.11 (1).
DESIGN FLOW 330 x 150% = 495 gal/day
- LEACHING CHAMBER: USE PRECAST CONCRETE UNIT RECTANGULAR SHAPE AVAILABLE IN THIS AREA
L=10'0" W=5'6" D=3'0"
EFFECTIVE DEPTH 2'0"
- PERCOLATION TEST 2 MIN/INCH 310 CMR 15.11
SIDE WALL AREA 2.5 gal/ft²
BOTTOM AREA 1.0 gal/ft²
- DESIGN WITH 4" OF WASHED STONE ON SIDES
1" WASHED STONE UNDER CHAMBER
L=15'6" W=13'6" D=2'0"
SIDE AREA 18.5' x 2' x 2' + 13.5' x 2' x 2' = 128.5 ft²
BOTTOM AREA 18.5' x 13.5' = 249.75 ft²
PERL USE 249.75 x 1.0 + 128.5 x 2.5 = 569 gal/day
BENCH MARK ELEV. MEAN SEA LEVEL



- SEPTIC TANK NOTES
- TANK TO BE INSTALLED LEVEL
 - ALL TANK/PIPE JOINTS TO BE MORTAR SEALED
 - INLET/OUTLET TEES TO BE PROVIDED PER 310 CMR 15.06 (B)
 - ACCESS MANHOLE TILES & COVERS TO BE INSTALLED
 - WATER TO BE PROVIDED BY PUBUL SUPPLY

- CHAMBER NOTES
- CHAMBER TO BE INSTALLED LEVEL AT ELEV OF TOP 215.60'
 - ALL PIPE/CHAMBER JOINTS TO BE MORTAR SEALED
 - EFFECTIVE SIZE OF LEACH SYSTEM 13'5" x 13'5" x 2'0" (15'6" x 13'6" x 2'0")

SEPTIC SYSTEM DESIGN
BRUCE TAYLOR
LOT # 196 AMHERST WOODS
AMHERST, MASSACHUSETTS
ENGR. WJ. SIERUTA PE
DATE NOV. 17, 1950

