

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

No. 75-17 Date 12-8-75 Fee 3.00 Date Rec'd. 12-8-75 By CEA

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

Location—Address 65 CHAPEL ROAD or Lot No. 26

Owner HOWARD WIARDA Address SO. GAIT ST.

Contractor \_\_\_\_\_ Address \_\_\_\_\_

Type of Building SINGLE FAM RES Dimensions \_\_\_\_\_ Size Lot 6.5 acres

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

Other \_\_\_\_\_ No. of persons \_\_\_\_\_ Showers ( )

Other fixtures \_\_\_\_\_

Town Water? YES Type of Well \_\_\_\_\_

Design Flow 30 gallons per person per day. Total daily flow 375 gallons

Septic Tank—Liquid capacity 1,000 gallons Dimensions: L \_\_\_\_\_ W \_\_\_\_\_ D \_\_\_\_\_

Disposal Trench—No. 1 Width 10 Total Length 58 Total leaching area 580 sq. ft.

Disposal Bed—No. \_\_\_\_\_ Diameter \_\_\_\_\_ Depth below inlet \_\_\_\_\_ Total leaching area \_\_\_\_\_ sq. ft.

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

Other: Distribution box (X) No. \_\_\_\_\_ Dosing tank ( )

(Depth of Soil Line Below finished grade at foundation \_\_\_\_\_)

Percolation Test Results Performed by Kendall G. Pund Date April 8, 75

Test Pit No. 1 12 minutes per inch Depth of Test Pit 4.5

Test Pit No. 2 \_\_\_\_\_ minutes per inch Depth of Test Pit \_\_\_\_\_

Description of Soil Sand, gravel Depth to Ground Water >10.0'

Will disposal area be filled? No Cut down? No

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

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] Howard Warda Owner or builder 12/5/75 date

Application Disapproved for the following reasons: \_\_\_\_\_ date

**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. 75-17 Permission is hereby granted HOWARD WIARDA to construct (X) or repair ( ) an Individual Sewage Disposal System at Lot 26 CHAPEL RD.

as shown on the application for Disposal Works Construction Permit No. 75-17

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 12-8-75 [Signature] Board of Health

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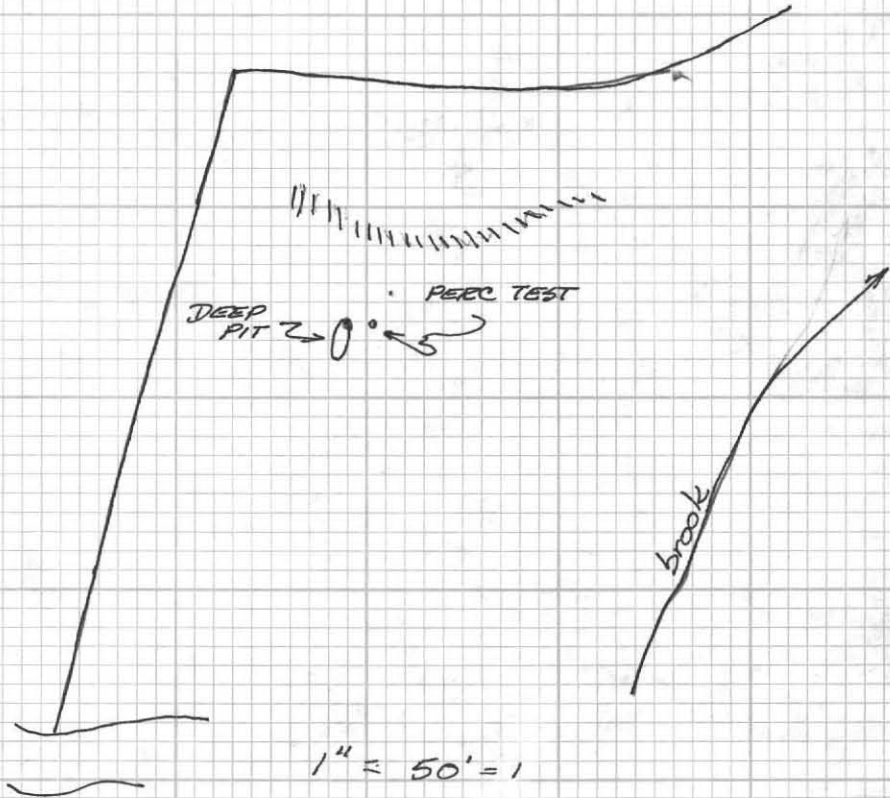
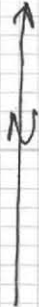
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1799  
1800

*W. ardo*  
~~JACK KERSHITS~~  
LOT 26  
CHAPEL RD.  
AMHERST MA.

CHAPEL ROAD



1" = 50' = 1

LOG OF DEEP PIT

|      |                                |
|------|--------------------------------|
| 0.5  | TOPSOIL                        |
|      | SP, Fine to medium sand        |
| 2.5  |                                |
|      | SM, silty fine sand with clay. |
| 4.0  |                                |
|      | SP-SW, Fine to coarse sand.    |
| 10.0 |                                |
|      | T.D.                           |

PERCOLATION TEST RATE:

12 MIN. PER INCH

1. 1000  
 2. 2000  
 3. 3000  
 4. 4000  
 5. 5000



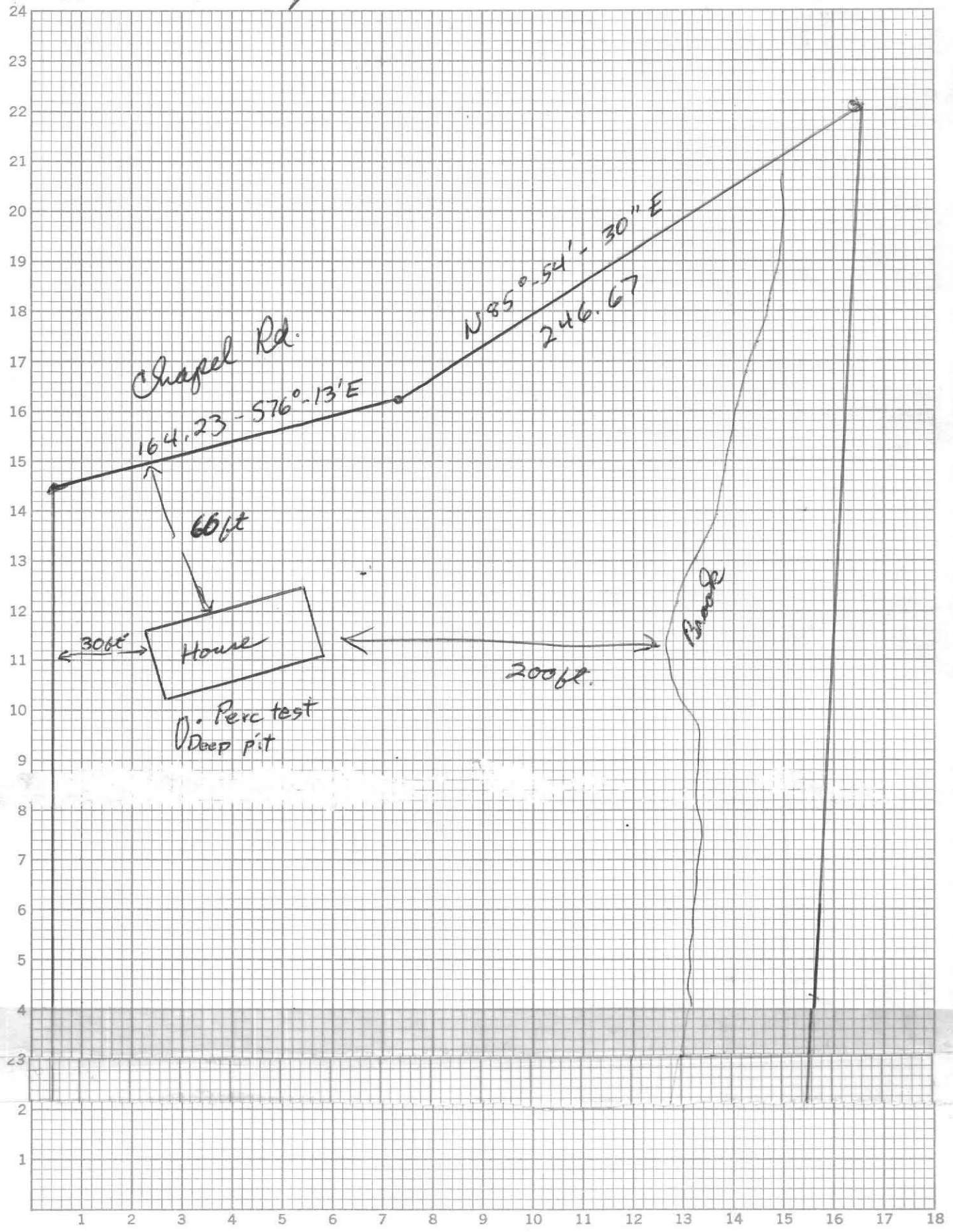
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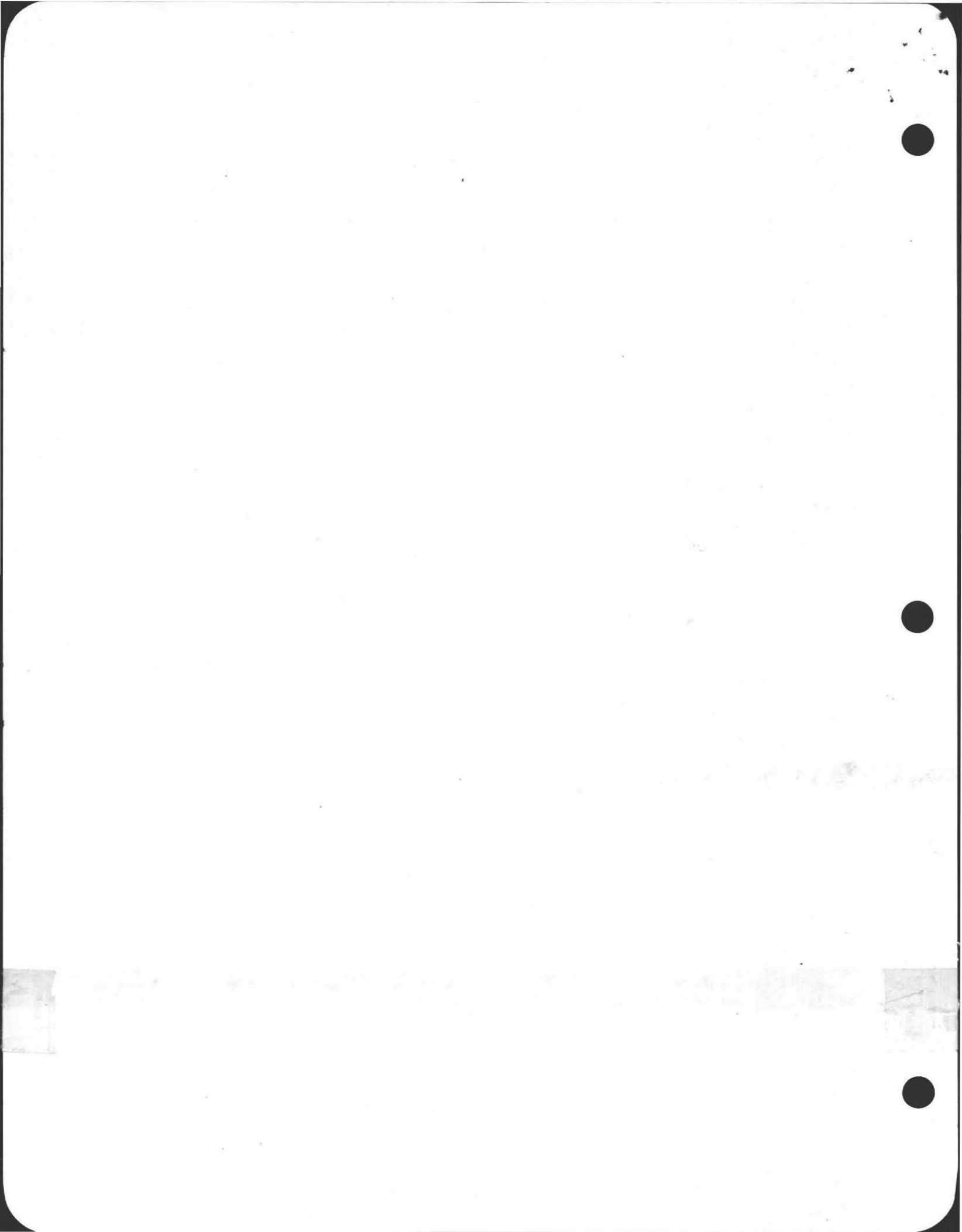
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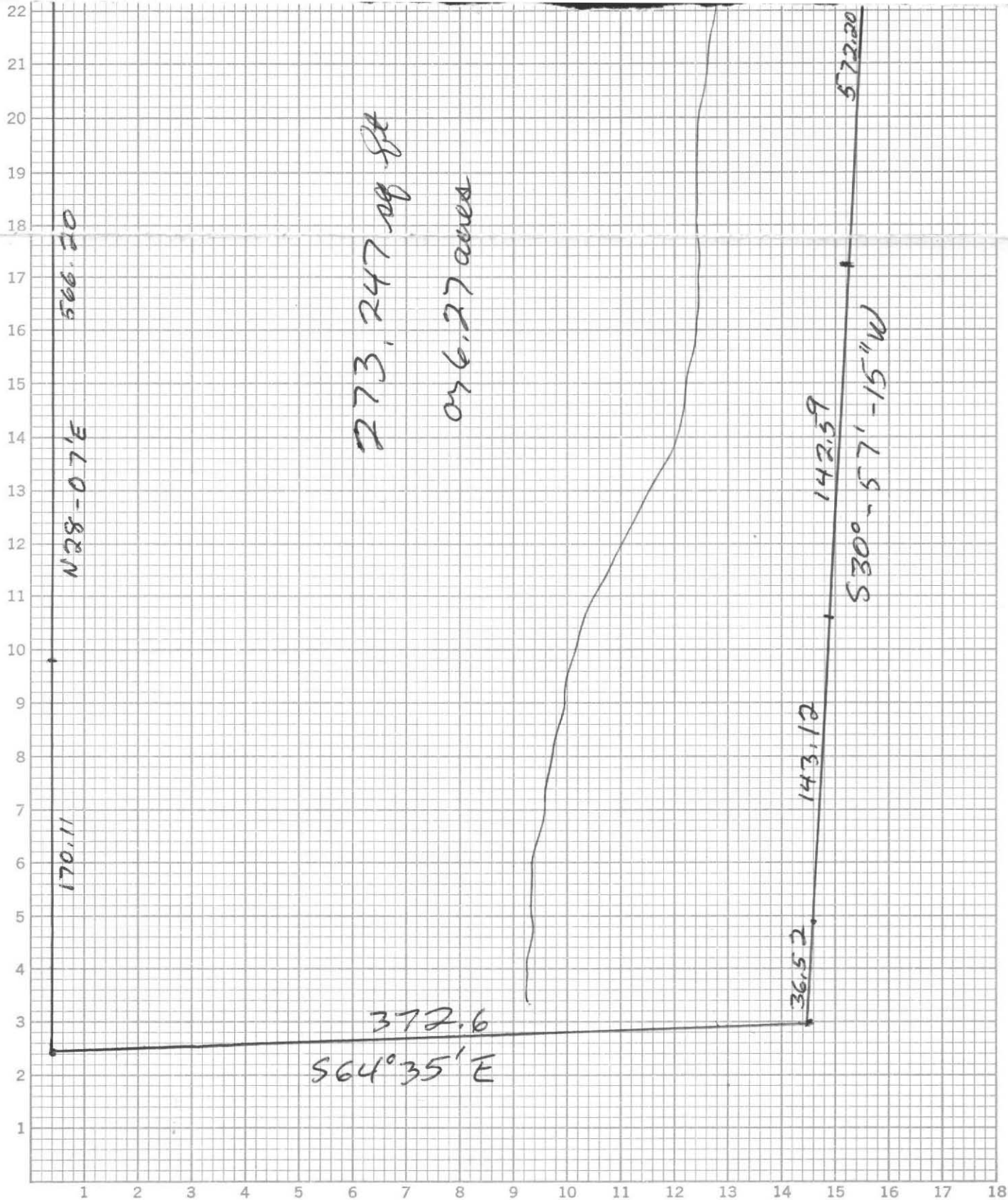
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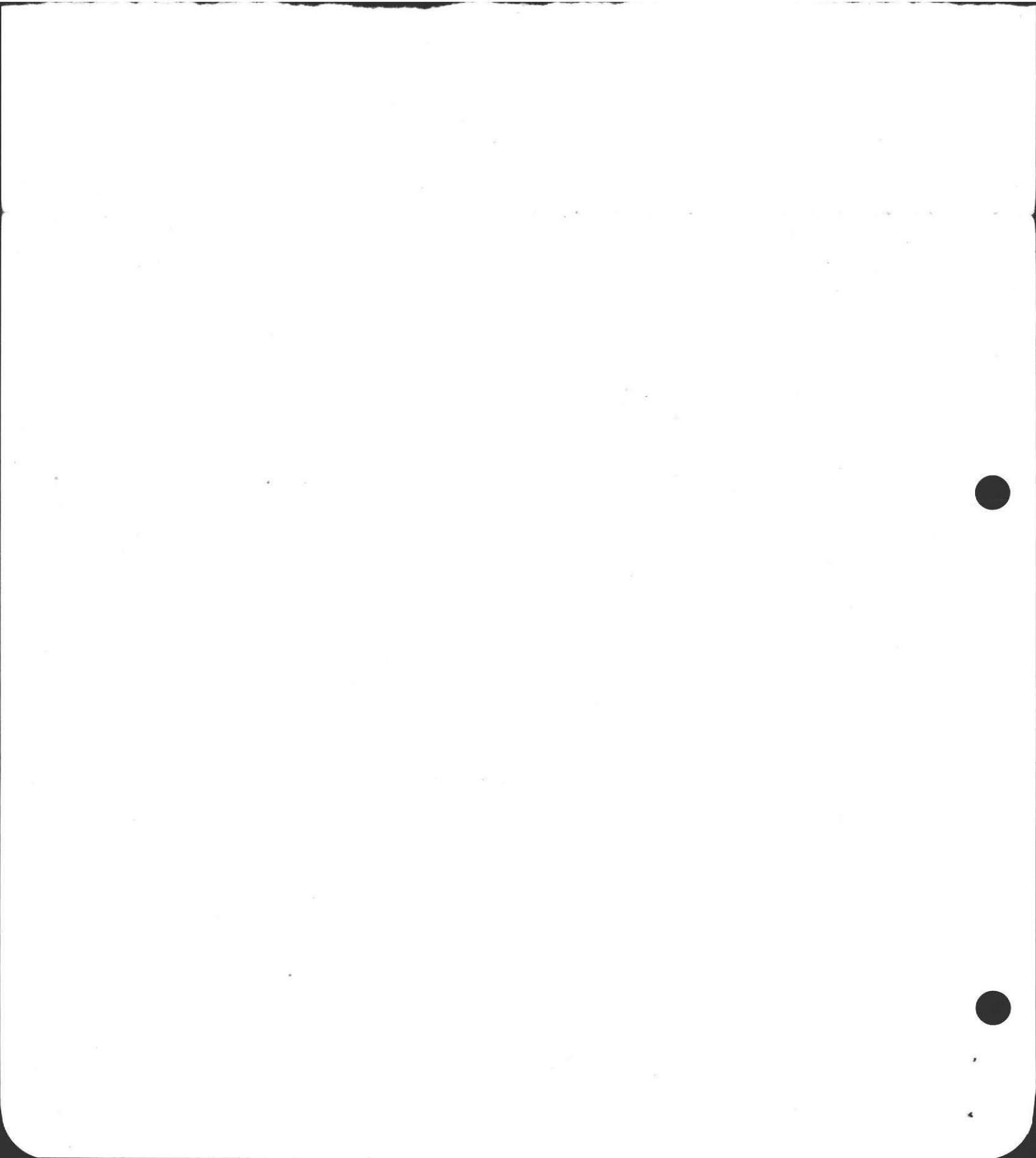


# Waiaida; Plot plan











75-17

BOARD OF HEALTH

TOWN OF AMHERST, MASSACHUSETTS

Important Information Regarding Your Private Sewage Disposal System

DISPLAY THIS DOCUMENT IN A PROMINENT PLACE

Lot #26 CHAPEL ROAD

Owner: HOWARD WARE Address MECHANIC ST

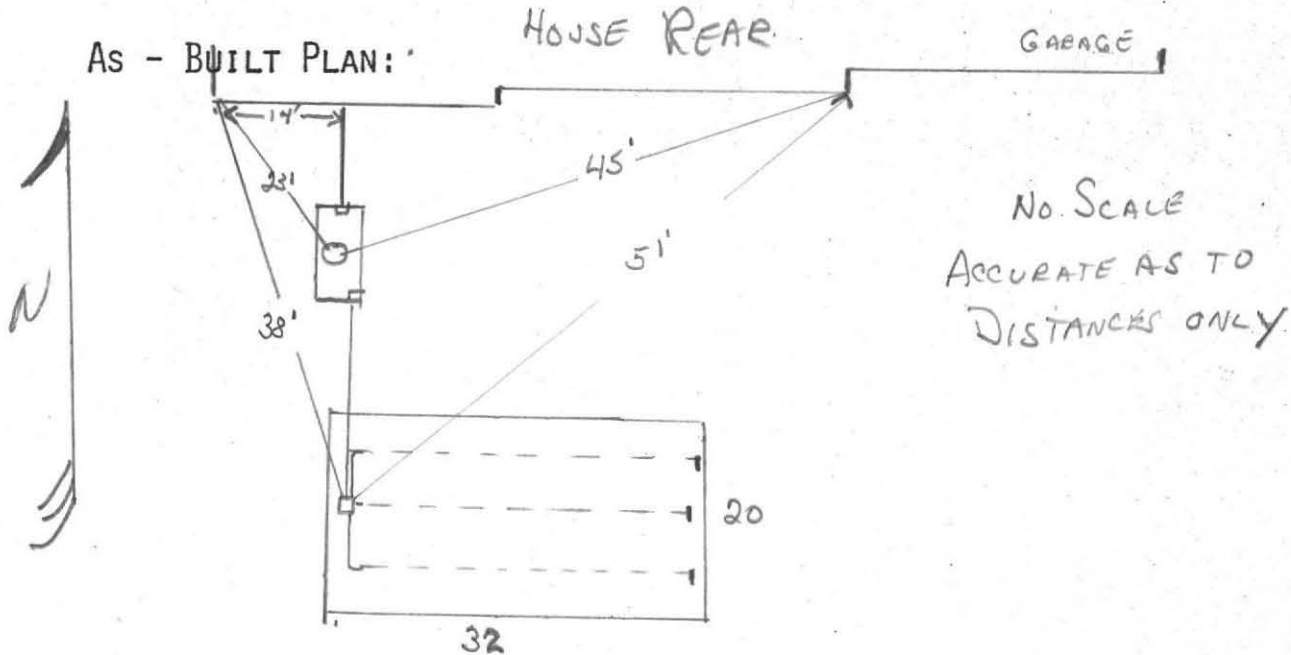
Installer KARLS Exc. Address RIVER DR., HADLEY

Date Installation Inspected and Approved 5-10-76

Description of System: Tank Capacity: 1000

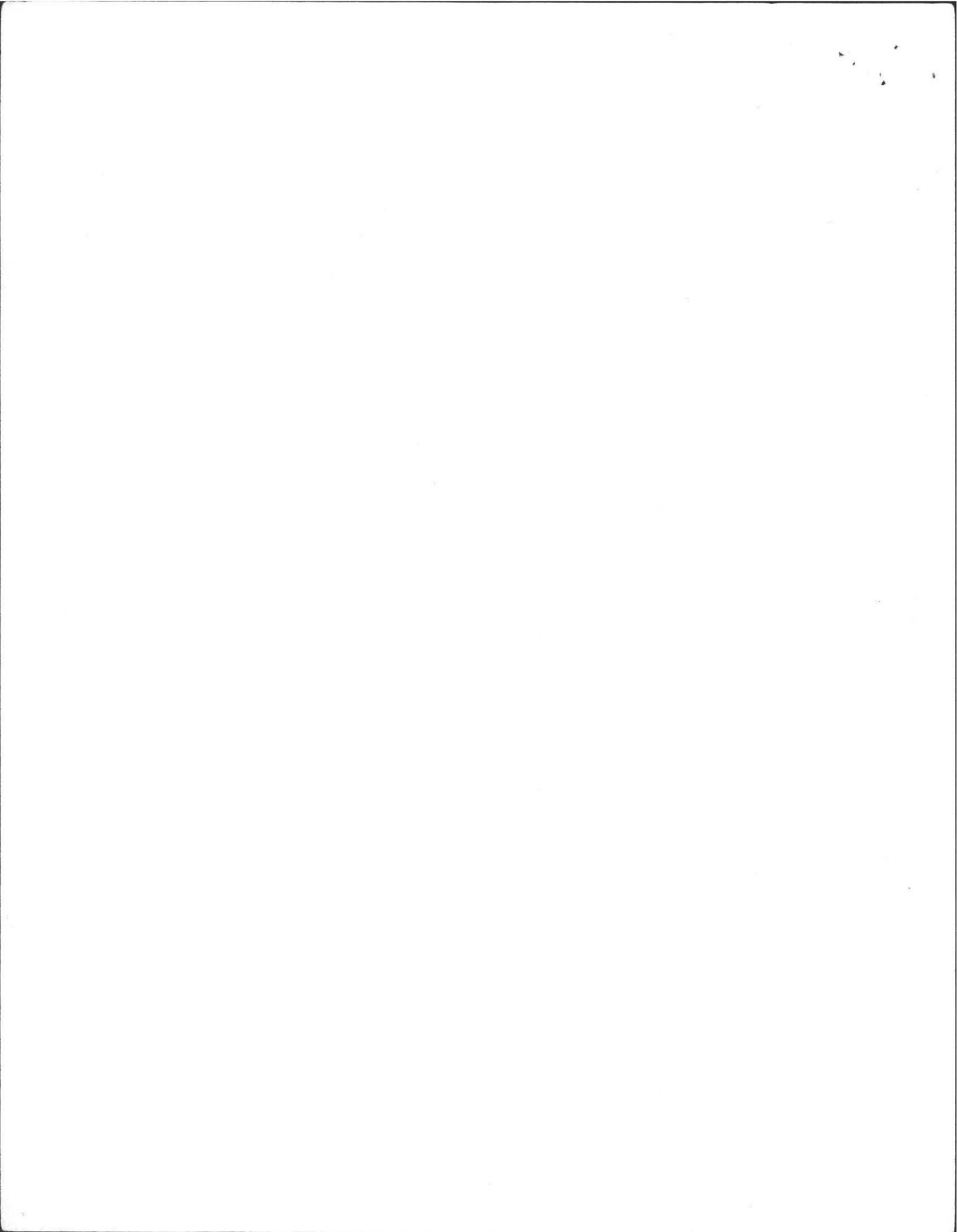
Leach Field ( ) Bed (X) Seepage Pit ( ) Square Feet: 640

Garbage Grinder Yes (X) No ( ) No. Bedrooms: 3 No. People 6



PROPER MAINTENANCE OF YOUR PRIVATE SEWAGE DISPOSAL SYSTEM

1. This system must be inspected periodically and the tank pumped out at an interval not to exceed 3 years.
2. For your protection sanitary pumpers are licensed by the Amherst Board of Health.
3. Regular pumping is crucial to avoid early failure and costly repairs of the system.
4. DO NOT dispose into the system such items as rags, string, sanitary napkins, coffee grounds as they can cause it to clog and fail.
5. Further information can be obtained by contacting your Health Department at 253-7077.



65 Chapel

OCT 04 1991

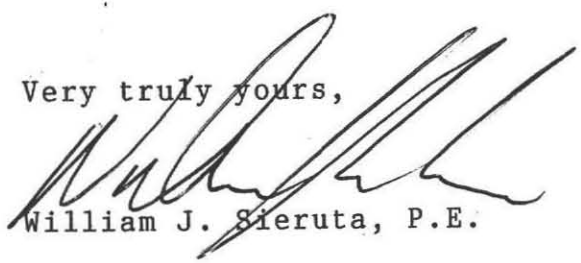
WILLIAM J. SIERUTA, P.E.  
REGISTERED PROFESSIONAL ENGINEER  
46 UPLAND ROAD  
HOLYOKE, MASSACHUSETTS 01040  
(413) 532-8525

Subject: Henry Wiarda  
Septic system installation  
65 Chapel Hill  
South Amherst, MA. 01002

The subject septic system has been installed in accordance with the approved plans, 310 CMR 15 and local Board of Health regulations.

If you need any additional information please do not hesitate to contact me.

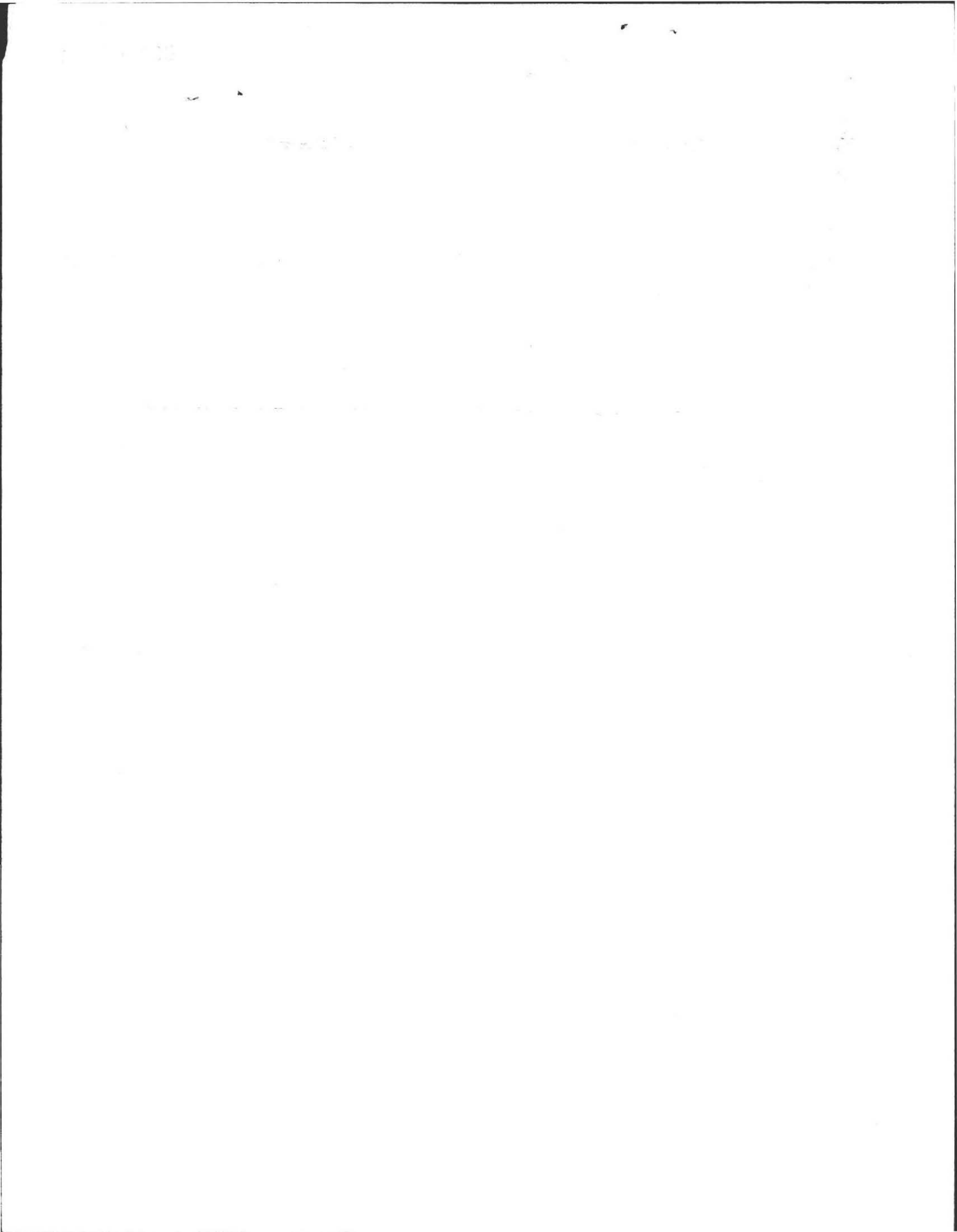
Very truly yours,



William J. Sieruta, P.E.



WJS:mbs





100 Perce Test  
60 Plans  
30 Revised Plan  
190.00 Per J. S. Smith  
C.K. II 1213

No. 91-10

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST MASS



Application for Disposal Works Construction Permit

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

HOWARD WARDHA 65 CHAPEL ROAD 50 AMHERST  
Location - Address or Lot No.

River Dams Excavating 146 River Rd Hadley 584-1811  
Owner Address

Type of Building Dwelling - No. of Bedrooms 4 Bedrooms Expansion Attic No Garbage Grinder No  
Sq. feet

Other - Type of Building Residential No. of persons 8 Showers (2) - Cafeteria (-)

Other fixtures Full Bath with walk out

Design Flow 110 gallons per person per day. Total daily flow 110 x 9 x 1.25 = 550  
Septic Tank - Liquid capacity 3000 gallons Length 20 Width 5 Diameter 5 Depth 5

Disposal Trench - No. 3 Width 36" Total Length 90" Total leaching area sq. ft.

Seepage Pit No. Diameter 1.3' Depth below inlet 1.3' Total leaching area sq. ft.

Other Distribution box (1) Dosing tank ( ) Bottom 270 ft 5105 237.4 ft

Percolation Test Results Performed by W. J. Sieruta Date 7/25/91

Test Pit No. 1 0.0 minutes per inch Depth of Test Pit 60" Depth to ground water

Test Pit No. 2 0.0 minutes per inch Depth of Test Pit 60" Depth to ground water

Description of Soil TH-1 0-10 015 loam 10-20 silty  
SAND SUB SOIL 10-131 COMPACT  
SAND & GRAVEL NO H2O NO OXIDES  
Nature of Repairs or Alterations - Answer when applicable TR-2 required by B.O.H.

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 X Howard Wardha 7/26/91

Application Approved By David Ziegler 7/26/91

Application Disapproved for the following reasons:

Permit No. 91-10 Issued 7/26/91

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 River Dams Excavating

at 65 Chapel 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. 91-10 dated

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

DATE 8/9/91 Inspector David Ziegler

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST

Disposal Works Construction Permit

Permission is hereby granted Howard Wardha to Construct ( ) or Repair ( ) an Individual Sewage Disposal System at No. 65 Chapel Road

as shown on the application for Disposal Works Construction Permit No. 91-10 Dated

DATE 8/9/91 Board of Health

W. J. Sieruta to 8/9/91 ok'd

CHECK OR FILL IN WHERE APPLICABLE



PERC TEST DATA SHEET

100 perc  
60 plans  
30-Plan  
Reviewing 7/1/91  
Mof  
Pd 7/26/91  
190

12m

DATE 7/1/91 LOCATION 65 Chapel Road LOT SIZE \_\_\_\_\_

OWNER Howard WIARDA ADDRESS 65 Chapel Road TELE # 256-6056

P.E./RS Bill Sieruta FIRM Same OBSERVED BY David Zarowski

BACK HOE OPERATOR \_\_\_\_\_ TELE \_\_\_\_\_ BENCH MARK \_\_\_\_\_

PERC DEPTH 60" PRE SOAK TIME 10:28 PERC DEPTH \_\_\_\_\_ PRE SOAK TIME \_\_\_\_\_

TEST 10:43 12" 8" 10:55 \_\_\_\_\_

10:45 11" 7" 11:00 \_\_\_\_\_

10:47 10" 6" 11:05 \_\_\_\_\_

10:51 9" \_\_\_\_\_

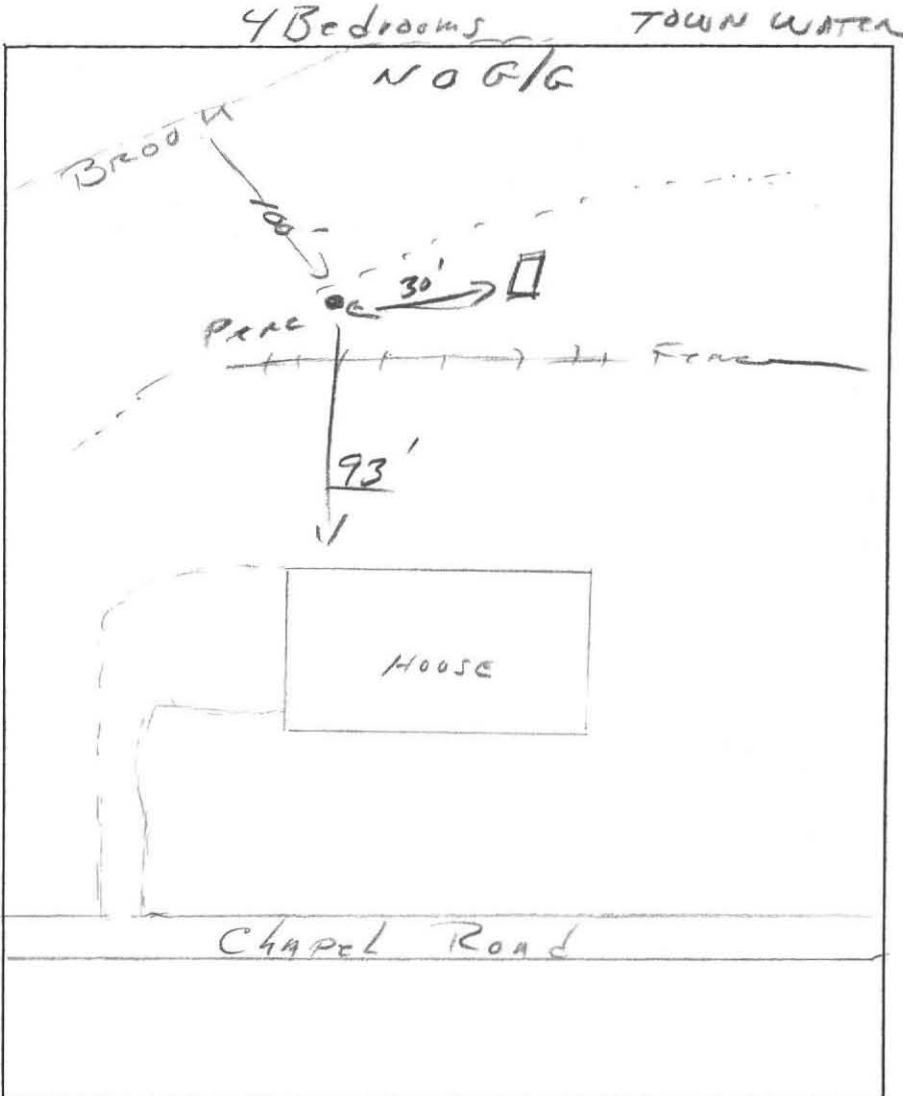
RATE (6) RATE \_\_\_\_\_

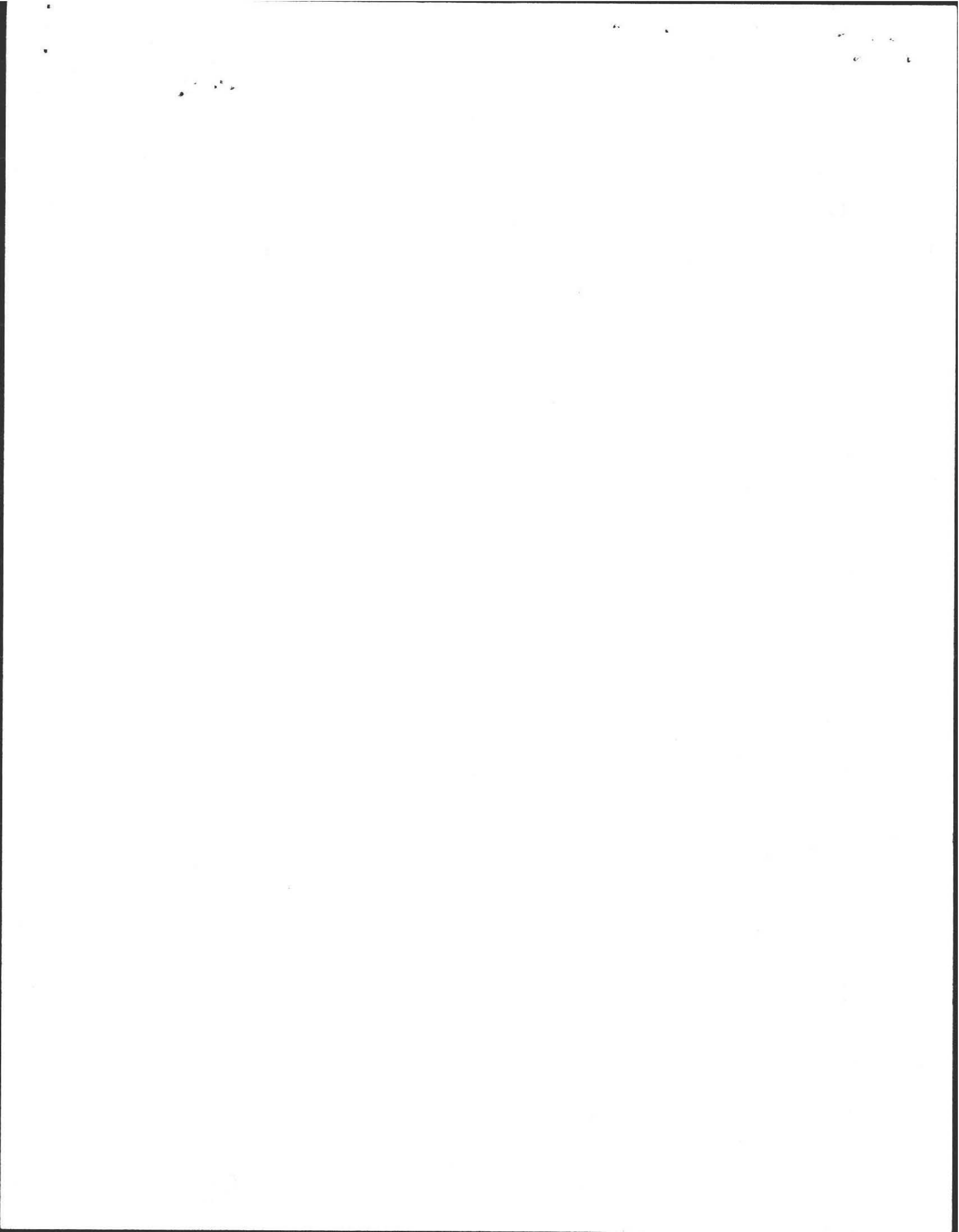
A1

|  |     |
|--|-----|
| TOP 10"  | TOP |
| SUB 20"  | SUB |
| COMPACT<br>Sand &<br>Gravel<br>SILT SAND<br>DRY 131" |     |

|     |     |
|-----|-----|
| TOP | TOP |
| SUB | SUB |
|     |     |

|     |     |
|-----|-----|
| TOP | TOP |
| SUB | SUB |
|     |     |







7100 permit  
\$60 fees

Percolation Test

JUL 25 1991

Test No. PERC TEST  
 Reading \_\_\_\_\_ Time 25 gals  
 Saturation (15 min) 10:28 - 10:43  
 \_\_\_\_\_ 10:43  
 \_\_\_\_\_ 10:45  
 \_\_\_\_\_ 10:47  
 \_\_\_\_\_ 10:51  
 \_\_\_\_\_ 10:55  
 \_\_\_\_\_ 11:00  
 \_\_\_\_\_ 11:05

Test No. \_\_\_\_\_  
 Reading \_\_\_\_\_ Time \_\_\_\_\_  
 Saturation (15 min) \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Perc Rate \_\_\_\_\_  
 Ground Elev. \_\_\_\_\_  
 Depth of Hole 60"

DESIGN RATE  
6.0 Min/inch

Perc. Rate \_\_\_\_\_  
 Ground Elev. \_\_\_\_\_  
 Depth of Hole \_\_\_\_\_

Test Pit TP1-1  
 Depth Soil Description  
0-10 OTS CONT  
10-20 SILTY SAND SUB  
20-131 compact  
SAND & gravel  
131 SILTY SAND  
 Groundwater Depth dry Elev. \_\_\_\_\_  
 Bedrock Depth - Elev. \_\_\_\_\_  
 Ground Elev. \_\_\_\_\_

Deep Test Pit/s TP1-2  
 Test Pit  
 Depth Soil Description  
WAIVED  
REPAIR  
BY BOH  
 Groundwater Depth \_\_\_\_\_ Elev. \_\_\_\_\_  
 Bedrock Depth \_\_\_\_\_ Elev. \_\_\_\_\_  
 Ground Elev. \_\_\_\_\_

S.C.S. Soil Description SAND Seasonal High Water Table? AS NOTED  
 Bench Mark: Elev. 200.0 Description SILLOF EXISTING HO

COMMENTS: REPAIR B.O.H. REG.  
4 BEDROOMS  
NO DISPOSAL UNIT  
FULL BMT & WALKOUT  
UNIT. NO DRAINS  
TOWN H&O to House

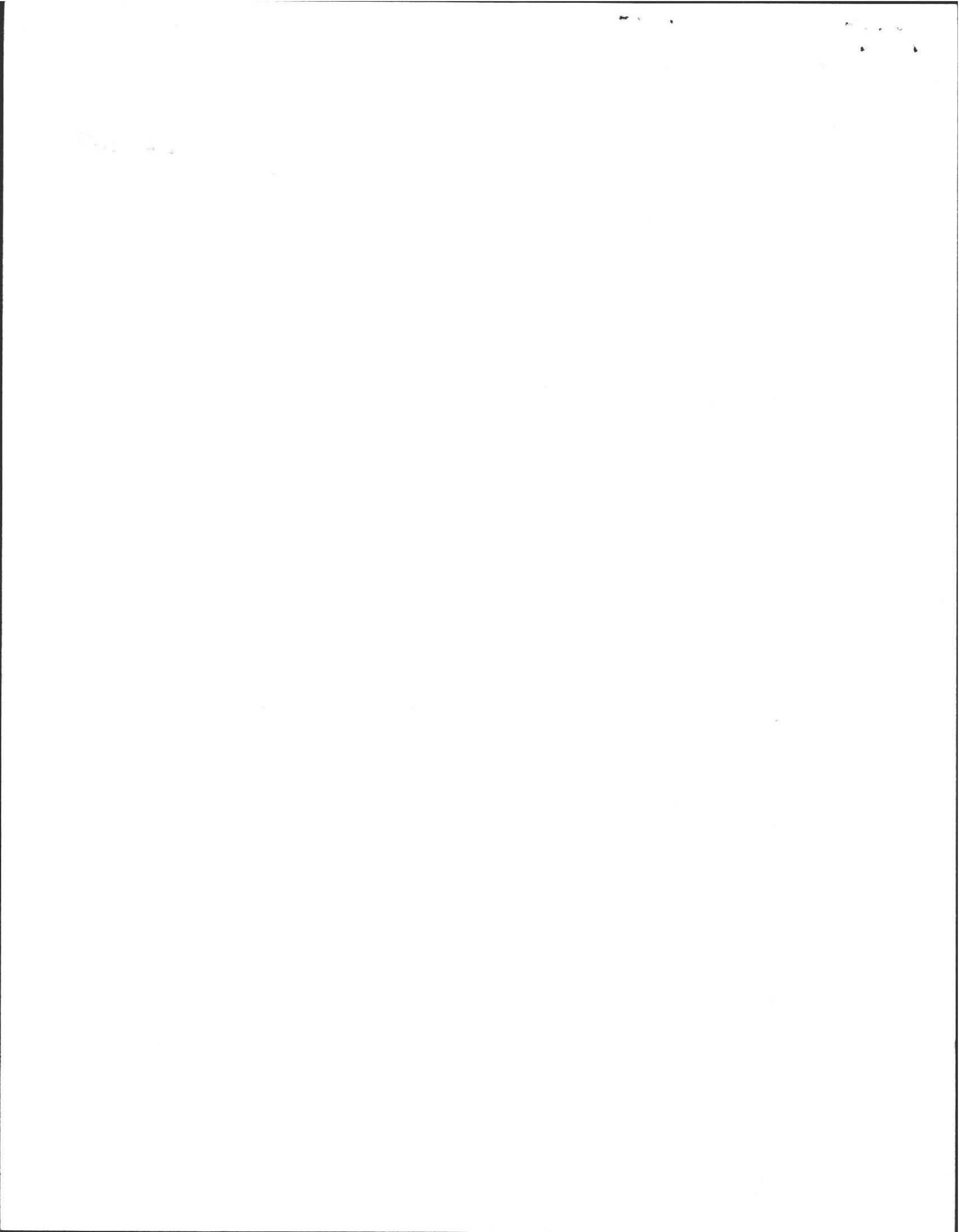
Date: JULY 1 1991  
 Client: HOWARD WIARDA  
105 CHAPEL ROAD  
50. AMHERST MASS  
 Engineer: W.J. SIERUTA  
 Witness: D. ZARAZINSKI  
 Location of Perc: 105 CHAPEL ROAD  
50. AMHERST MASS

EXISTING RESIDENTIAL  
 HOME  
 OLD SYSTEM IN  
 FUTURE

*[Handwritten signature]*



*[Handwritten signature]*





**PERCOLATION TEST INFORMATION**

JUL 25 1991

Board of Health & 91-10

| TEST PIT TP-1 |                    |        | TEST PIT TP-2 |                    |        |
|---------------|--------------------|--------|---------------|--------------------|--------|
| 10            | OTS LOAM           | 0-10   | 10            | OTS LOAM           | 0-10   |
| 10            | SILTY SAND SUB     | 10-20  | 10            | SILT SAND SUB      | 10-20  |
| 111           | COMP SAND & GRAVEL | 20-131 | 40            | COMP SAND & GRAVEL | 20-110 |
|               |                    | 193.00 |               |                    |        |
|               |                    | 131    |               |                    |        |

DATE: JULY 1, 1991  
 ENGR: W.J. SIERUTA PE  
 WITNESS: D ZARAZINSKI B.O.H.  
 LOC: 65 CHAPEL ROAD  
 PERMEABILITY:  
 DEPTH: 60"  
 ACTUAL RATE: 4.16 GAL/DAI  
 DESIGN RATE: 16.0 MINUTEN

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH 310 CMR 15.0 TITLE 5 AND ALL LOCAL BOARD OF HEALTH REGULATIONS

FINISH GRADING TO BE AS SHOWN ON PLAN VIEW. ALL DISTURBED AREAS TO BE LOW WID AND SEEDED

**DESIGN CRITERIA**

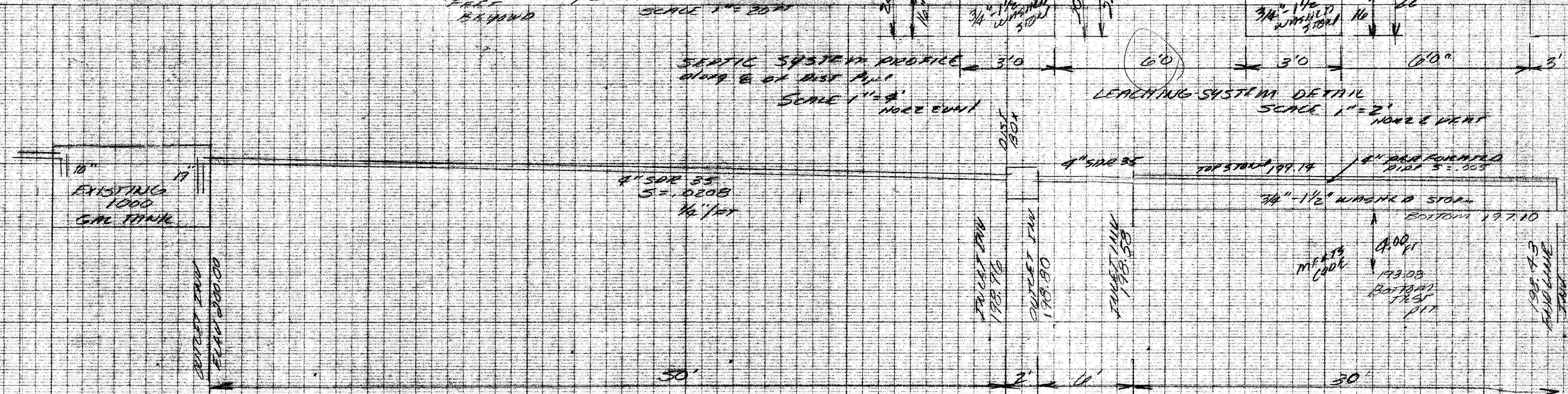
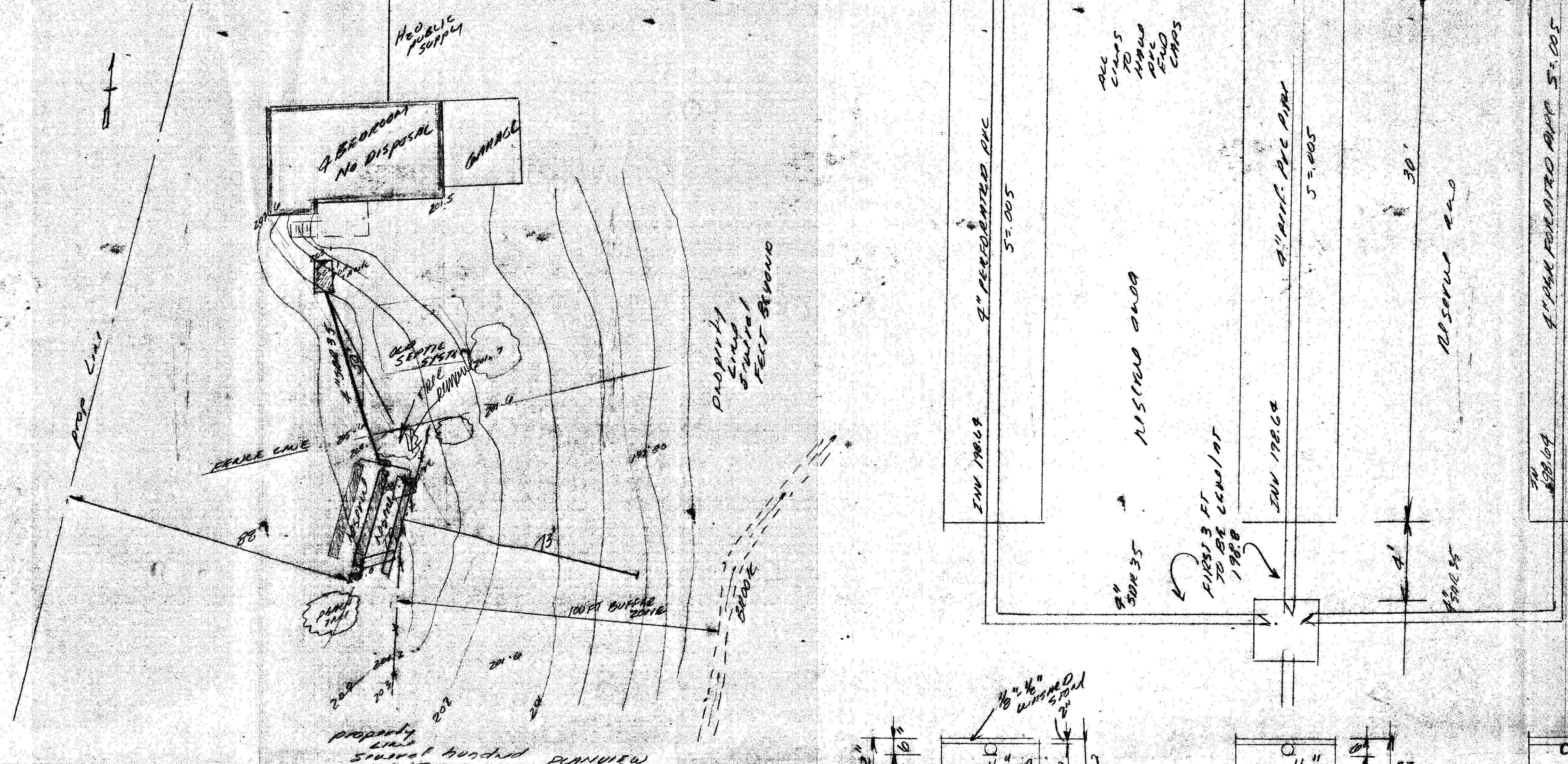
USE: EXISTING 4 BEDROOM RESIDENTIAL HOME NO DIS. PESTIC WALKOUT TO DEAR. HOUSE ON PUBLIC WATER SYSTEM.

DESIGN FLOOR: 310 CMR 15.02  
 110 GAL/BEDROOM x 4 = 440 GAL DAI  
 REPAIR SYSTEM UNDER NEW AMHARST REG 440 x 1.25 = 550 GALS  
 SEPTIC TANK: 310 CMR 15.02  
 440 GAL x 150% = 660 x 1.25 = 825  
 MINIMUM TANK PERMITTED 15,000 GAL  
 EXISTING TANK TO BE USED

LEACHING SYSTEM: 310 CMR 15.0 DUE TO SOIL CONDITIONS & TOPOGRAPHIC A LEACHING TRENCH DESIGN TO BE USED.

| PERMEABILITY     | 310 CMR 15.03                              | GAL/DAI                      |
|------------------|--|------------------------------|
| EFFECTIVE DEPTH  | 1.84 (10")                                 | PERC RATE 4.0                |
| EFFECTIVE LENGTH | 90'  | TRENCH BOTTOM AREA 71 GAL/FT |
| EFFECTIVE WIDTH  | 5'   | SIDE WALL AREA 110 GAL/FT    |
| BOTTOM AREA      | 3' x 90' = 270 FT <sup>2</sup>             |                              |
| SIDE WALL AREA   | 1.33 x 2 x 30' x 2 = 239.9 FT <sup>2</sup> |                              |

TOTAL PERMEABILITY:  
 239.9 x 4.0 = 959.6 GAL/DAI  
 EXCEEDS CODE REQ'D FLOW  
 440 GPD AT OUTLET INV OF TANK ELEV 200.0



- INSTALLATION NOTES**
- SEPTIC TANK TO BE INSPECTED TO ASSURE INLET & OUTLET TEES ARE IN PLACE. EXISTING 1000 GAL TANK TO BE USED
  - ALL PIPE JOINTS WITH TANK & DIST BOX TO BE ASPHALT ROPE AND MORTAR SEALED
  - DIST BOX TO BE SET LEVEL, FIRST 3 FT OF DIST. LINES FROM BOX TO BE LEVEL AT 198.80

SCOPE OFFSET  
 CALL RECD 310 CMR 15.03  
 RECD 150' ± 12 = 12.5 FT  
 AVAILABLE TO BREAKOUT ELEV 197.14  
 73'  
 FIELDS CODE REQ'D OFFSET

**SEPTIC SYSTEM DESIGN FOR SEPTIC REPAIR**  
 HOWARD WITKORA  
 65 CHAPEL ROAD  
 SOUTH AMHERST MASS  
 ENGR W.J. SIERUTA PE  
 DATE JULY 16 1991  
 REVISED JULY 25 1991 WJS:mjc