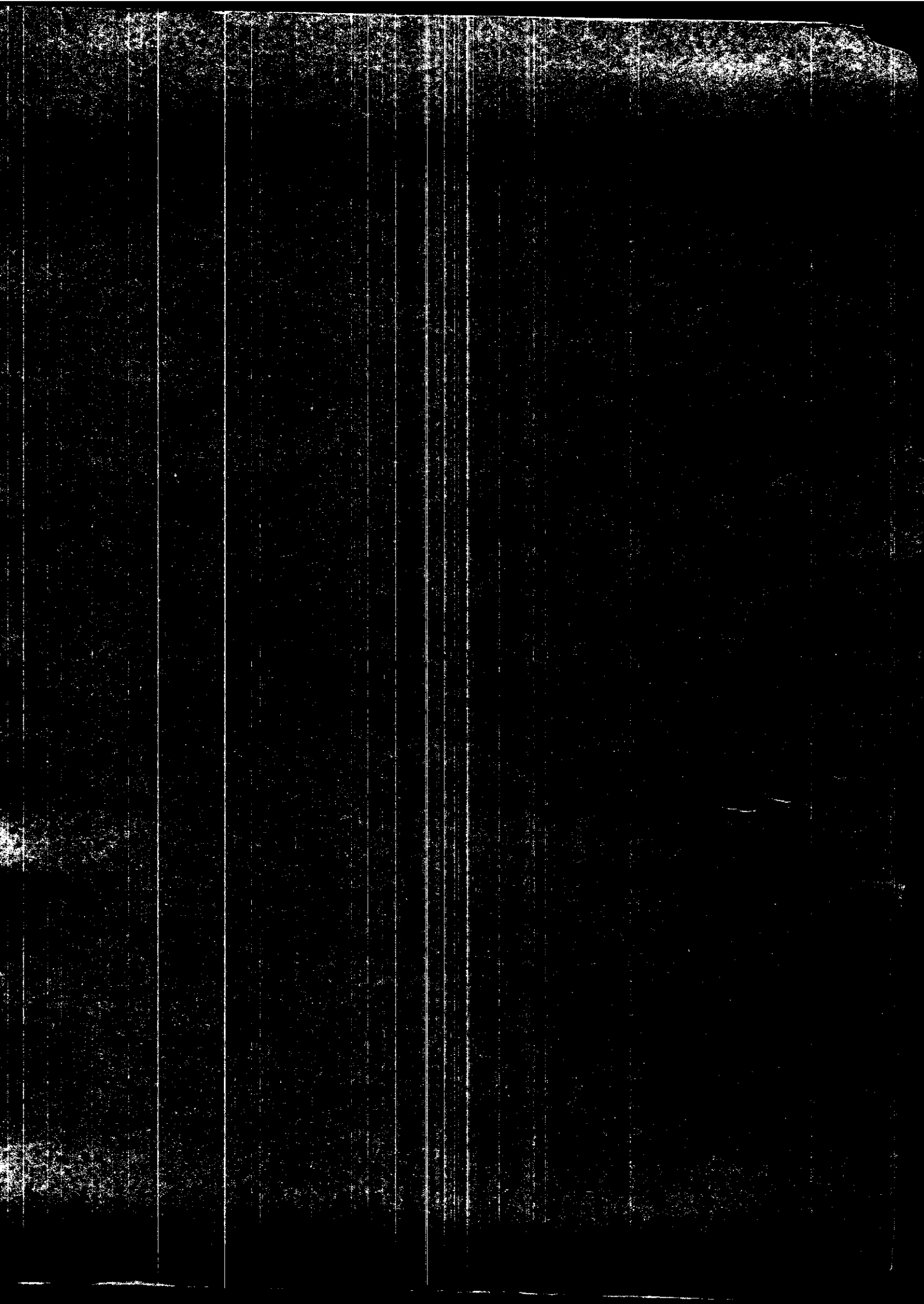


495
Soy Red



**TOWN OF AMHERST
HEALTH PERMITS/ INSPECTION SERVICES**

No. 0930

Received of John J. ... of 715 ...

For Property Located at: 111 Street Address 111 Owner

- | | | | |
|--|-------|---|------------|
| HEA009 Bakery
R6510 443508 | _____ | HEA014 Retail Store Permit
R6510 443514 | _____ |
| HEA001 Bed & Breakfast
R6510 443516 | _____ | HEA015 Sanitary Code Booklets
R6510 432305 | _____ |
| HEA025 Burial Permits
R6510 443517 | _____ | HEA016 Septic Tank Permit-Installers
R6510 443511 | _____ |
| HEA002 Catering License
R6510 443507 | _____ | HEA017 Septic Tank Permit-Private
R6510 443510 | <u>111</u> |
| HEA003 Food Handler
R6510 443515 | _____ | HEA018 Septic Tank Reinspection Fee
R6510 432301 | _____ |
| HEA004 Frozen Desserts
R6510 443501 | _____ | HEA026 Smoking & Tobacco Reg. Violations
R6510 443518 | _____ |
| HEA024 Funeral Director License
R6510 443502 | _____ | HEA019 Sub-Division Review Fee
R6510 432306 | _____ |
| HEA005 Health Dept. Housing Insp.
R6510 432302 | _____ | HEA012 Swimming Pool Permits
R6510 443512 | _____ |
| HEA006 Massage Therapy License
R6510 443504 | _____ | HEA023 TB Clinic
R6510 432303 | _____ |
| HEA007 Milk & Cream License
R6510 443500 | _____ | HEA020 Tanning License
R6510 443509 | _____ |
| HEA008 Motel License
R6510 443506 | _____ | HEA022 Tobacco License
R6510 443505 | _____ |
| HEA010 Removal of Offal
R6510 443513 | _____ | HEA | _____ |
| HEA011 Percolation Test Fees
R6510 432300 | _____ | HEA | _____ |
| HEA013 Recreation Camp License.
R6510 443503 | _____ | | |

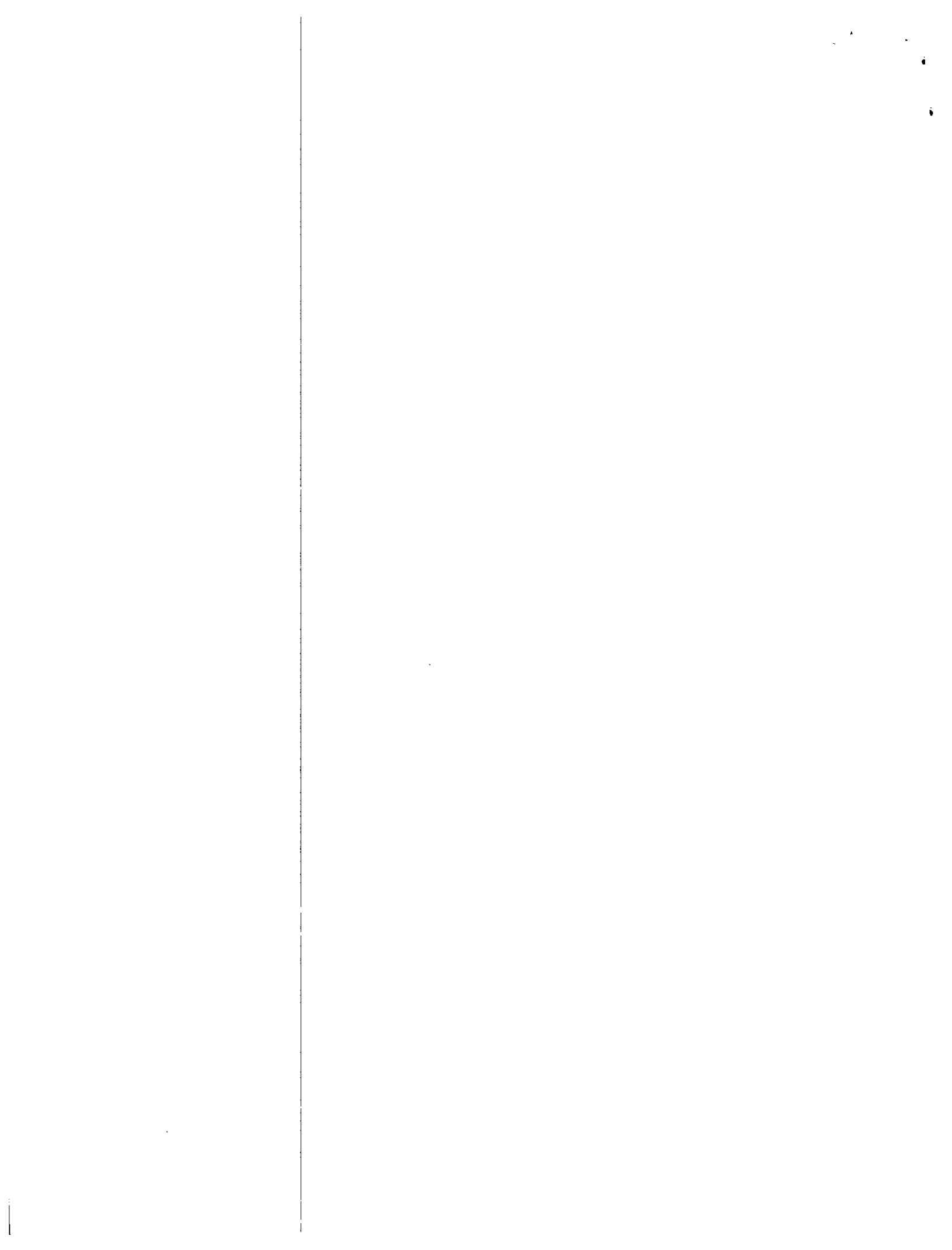
TOTAL FEE: 1111

Inspection Services/Health Department

Date 11/11/17

RECEIVED BY COLLECTOR'S
OFFICE ACCOUNTS
Date / Time : 10/27/17 09:25:10
Payment : 1111.00
Receipt # : 07830
Check/Credit Card # : 0000 0000 0000 0000
Clerk : JAS JONES
Paid by : FINANCIAL CO

Must be validated by the Collector's Office to be considered paid.



No. 97-17

Place GAS Baffle IN TANK
(If possible)

Fee 60 ⁰⁰
Plans

THE COMMONWEALTH OF MASSACHUSETTS
BOARD OF HEALTH

TOWN OF AMHERST

Application for Disposal Works Construction Permit

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

493 Bay Road
Graham Gal
Location - Address
Owner
Installer
Address
or Lot No.
493 Bay Road, Amherst, MA
Address

Type of Building
Dwelling - No. of Bedrooms 4 Expansion Attic () Garbage Grinder ()
Other - Type of Building No. of persons Showers () - Cafeteria ()
Other fixtures

Design Flow 55 gallons per person per day. Total daily flow 440 gallons.

Septic Tank - Liquid capacity 1,500 gallons Length Width Diameter Depth

Disposal Trench - No. 1 Width 10 Total Length 40 Total leaching area 400 sq. ft. *

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

Other Distribution box () Dosing tank ()
Percolation Test Results Performed by F. Fillos, R.S. Date 12/28/84

Perc. Test Pit No. 1 2.0 minutes per inch Depth of Test Pit Depth to ground water
Deep Test Pit No. 2 1.08 minutes per inch Depth of Test Pit 108" Depth to ground water None at 108"

Description of Soil 0" - 53" sand and gravel 53" to 108" fine to medium sand

Nature of Repairs or Alterations - Answer when applicable. Leaching field to be added to existing disposal area to provide sufficient area for the additional flow from the construction of a fourth bedroom.

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 10/20/97

Application Approved By [Signature] Date 10-20-1997

Application Disapproved for the following reasons:

Permit No. 97-17 Issued _____ Date _____

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town of Amherst

Certificate of Compliance

Additional

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

by 493 Bay Road Installer

at 493 Bay 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. _____ 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



HUNTLEY

ALMER HUNTLEY, JR. & ASSOCIATES, INC.

SURVEYORS • ENGINEERS • LANDSCAPE ARCHITECTS

November 17, 1995

Graham Gal
493 Bay Road
Amherst, MA 01002

RE: 493 Bay Road
Amherst, MA

Dear Mr. Gal:

Enclosed are six (6) copies of a proposed sewage disposal system along with an Application for Disposal Works Construction Permit. Please contact your local Board of Health for filing fees and procedure for submittal.

Please call me if you have any further questions. Thank you for your confidence in Huntley Associates.

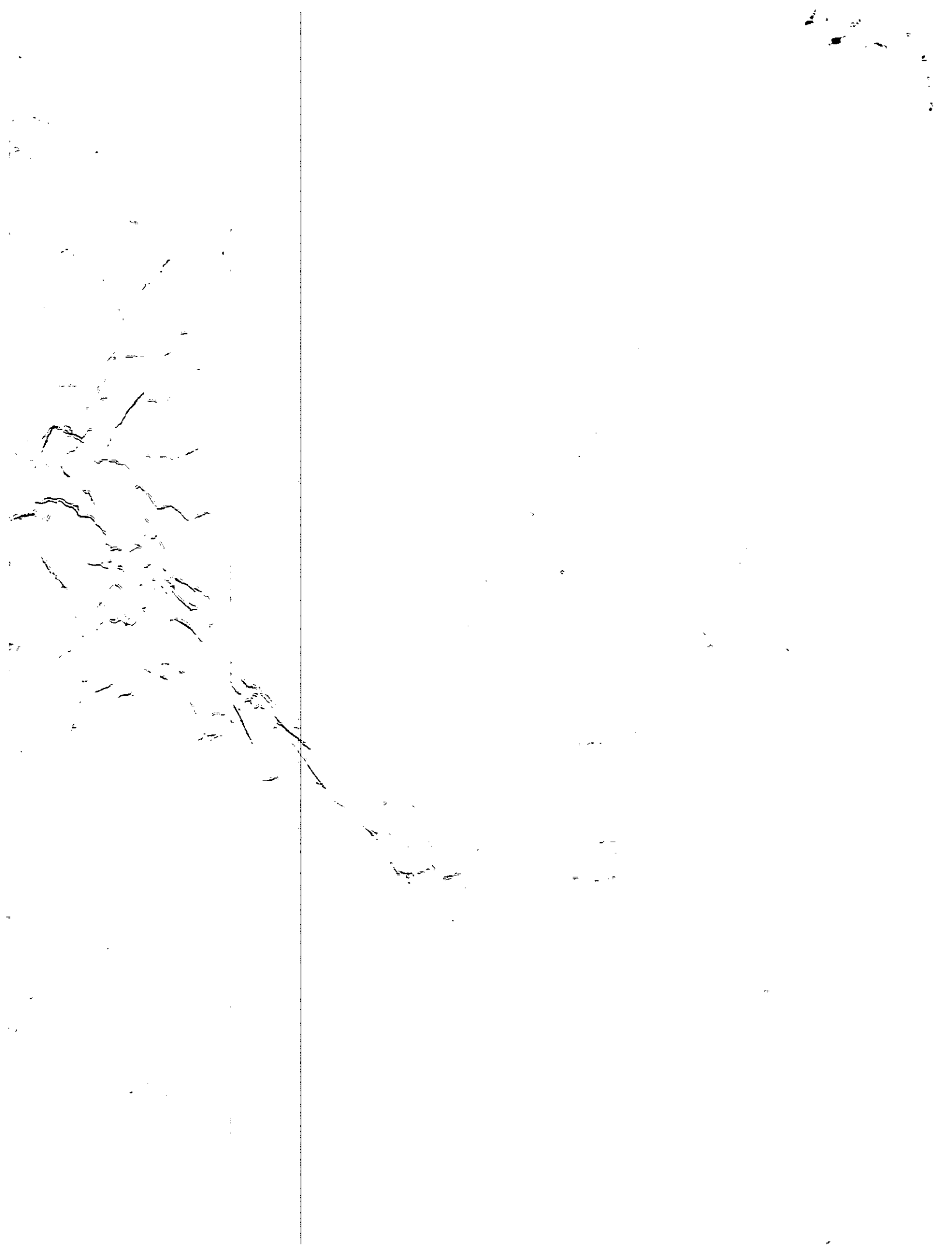
Very truly yours,

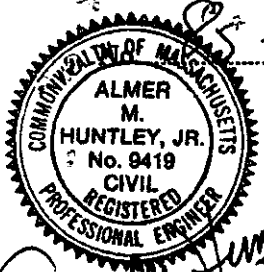
ALMER HUNTLEY, JR. & ASSOCIATES, INC.



Richard F. Brazeau
Senior Designer

RFB:kmh:percdocs3
Enclosures





26" 493

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THE COMMONWEALTH OF MASSACHUSETTS
BOARD OF HEALTH

Town OF Amherst

Application for Disposal Works Construction Permit

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

493 Bay Road
Robert Skrodzki - Address

Giard Lot #4
Rte 66 West Amherst MA 01027
No. NAOLC7

KARLI EXCAVATING
Owner
Installer

Size Lot 34,216 Sq. feet

Type of Building Dwelling — No. of Bedrooms 4 Expansion Attic () Garbage Grinder ()
Other — Type of Building No. of persons Showers () — Cafeteria ()
Other fixtures

Design Flow 55 gallons per person per day. Total daily flow 440 gallons.

Septic Tank — Liquid capacity 1500 gallons Length Width Diameter Depth

Disposal Trench — No. Width Total Length Total leaching area Capacity = 1000 sq. ft.

Seepage Pit No. 1 Diameter Depth below inlet 5 Total leaching area sq. ft.

Other Distribution box () Dosing tank ()

Percolation Test Results Performed by Fred Filios - R.S. Date Dec. 1984

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

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

Description of Soil 4'5" sand and gravel, 4'7" fine and medium sand (topsoil removed)
no groundwater at 9' 0"

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 not to place the system in operation until a Certificate of Compliance has been issued by the board of health.

Signed Robert Skrodzki 10/15/85
Date
Application Approved By [Signature] 10/15/85
Date

Application Disapproved for the following reasons:

Permit No. 85-40 Issued 10/15/85 Date

THE COMMONWEALTH OF MASSACHUSETTS
BOARD OF HEALTH

No. 85-40 TOWN OF AMHERST

FEE \$90

Disposal Works Construction Permit

Permission is hereby granted Res. Area - KARLI E.C. to Construct (X) or Repair () an Individual Sewage Disposal System

at No. LOT 4 GIARD PLAN BAY RD Street
as shown on the application for Disposal Works Construction Permit No. 85-40 Date 10/15/85

DATE 10/15/85 Board of Health

CHECK OR FILL IN WHERE APPLICABLE

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PROPOSED DOMESTIC SUBSURFACE DISPOSAL SYSTEM DESIGN

Prepared For: Robert Skocki

Location: #4 "Gard Lot, Bay Road, Amherst

Number of Bedrooms: 4

Garbage Disposal: No

LEACH AREA DESIGN

4 Bedrooms x 2 persons/bedroom = 8 persons

8 Persons x 55 gallons of wastewater/person/day = 440 total gallons of wastewater/day.

Percolation Rate: 2.0 min/inch

Gallon of wastewater/square feet of leach area for a Percolation Rate of:

$$\begin{aligned} \underline{2.0} \text{ min/inch} &= \underline{2.5} \text{ Gal/SF Sidewall Area} \\ &= \underline{1.0} \text{ Gal/SF Bottom Area} \end{aligned}$$

- * If a leach bed is to be installed, no sidewall is allowed.
- * If percolation rate exceeds 20 min/inch, no bottom area is allowed.

- SEPTIC TANK -

* WITHOUT GARBAGE DISPOSAL:

440 Gallons of wastewater/day x 150% = 660 REQUIRED effective liquid capacity of septic tank.

RECOMMENDED: 1,000 Septic Tank

* In no case will the septic tank be less than 1,000 gallons (effective liquid capacity)

** WITH GARBAGE DISPOSAL:

_____ Gallons of wastewater/day x 200% = _____ REQUIRED effective liquid capacity of septic tank.

RECOMMENDED: _____ Septic Tank

** In no case will the septic tank be less than 1,500 gallons (effective liquid capacity)

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LEACHING PIT DESIGN

Precast Pit Used: 10 ' Long x 5 ' Wide x 4'-8" Effective Depth
Using 4 ' of stone all around and 4 " of stone under pit.

SIDEWALL AREA:

18 ' Long x 5.0 ' Effective Depth x 2 Sides = 180 SF

13 ' Wide x 5.0 ' Effective Depth x 2 Sides = 130 SF

Total of 310 SF (Sidewall Area) x 2.5 Gal/SF = 775 Gal/Pit (Sidewall)

BOTTOM AREA:

18 ' Long x 13 ' Wide = 234 SF

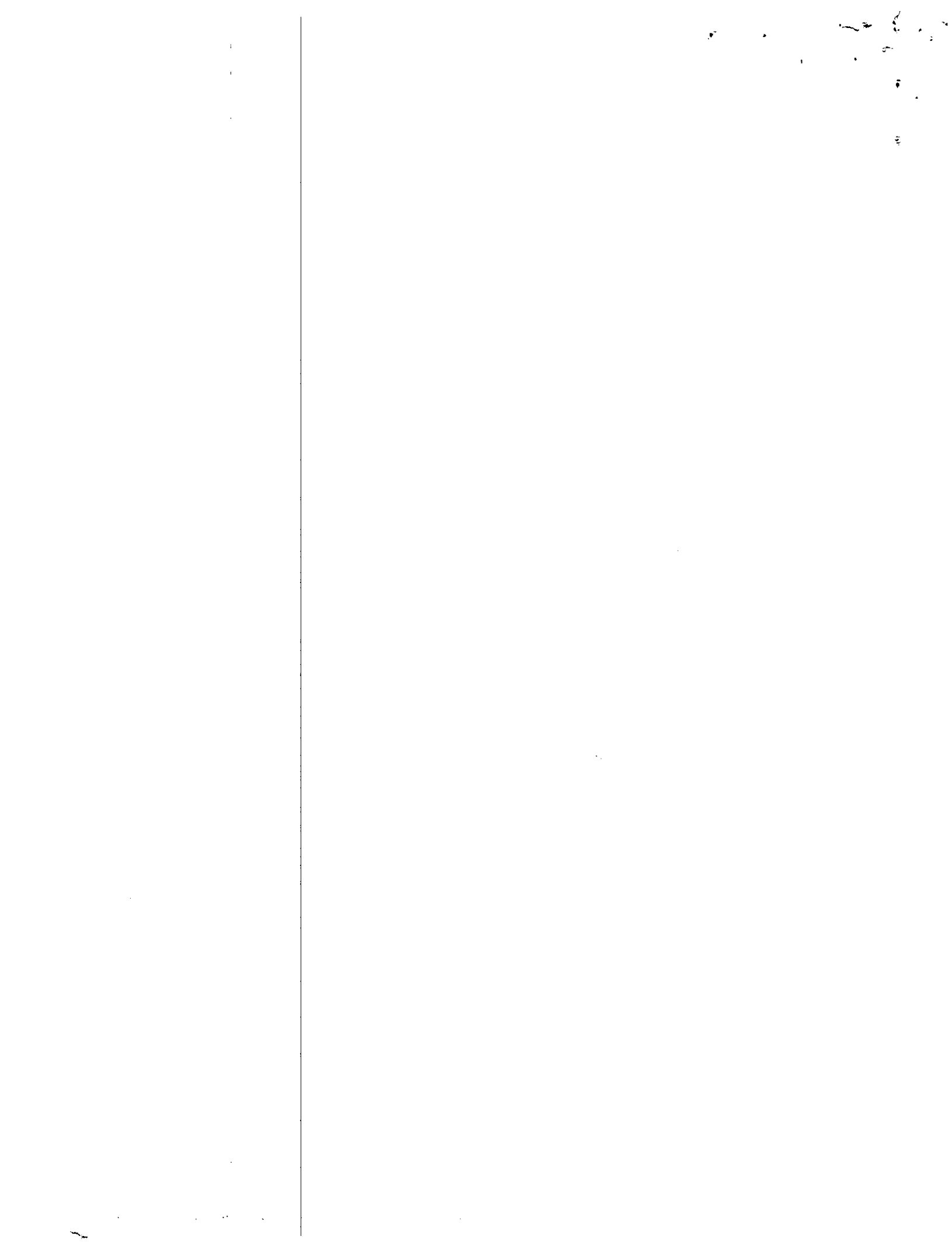
234 SF (Bottom Area) x 1.0 Gal/SF = 234 Gal/Pit (Bottom)

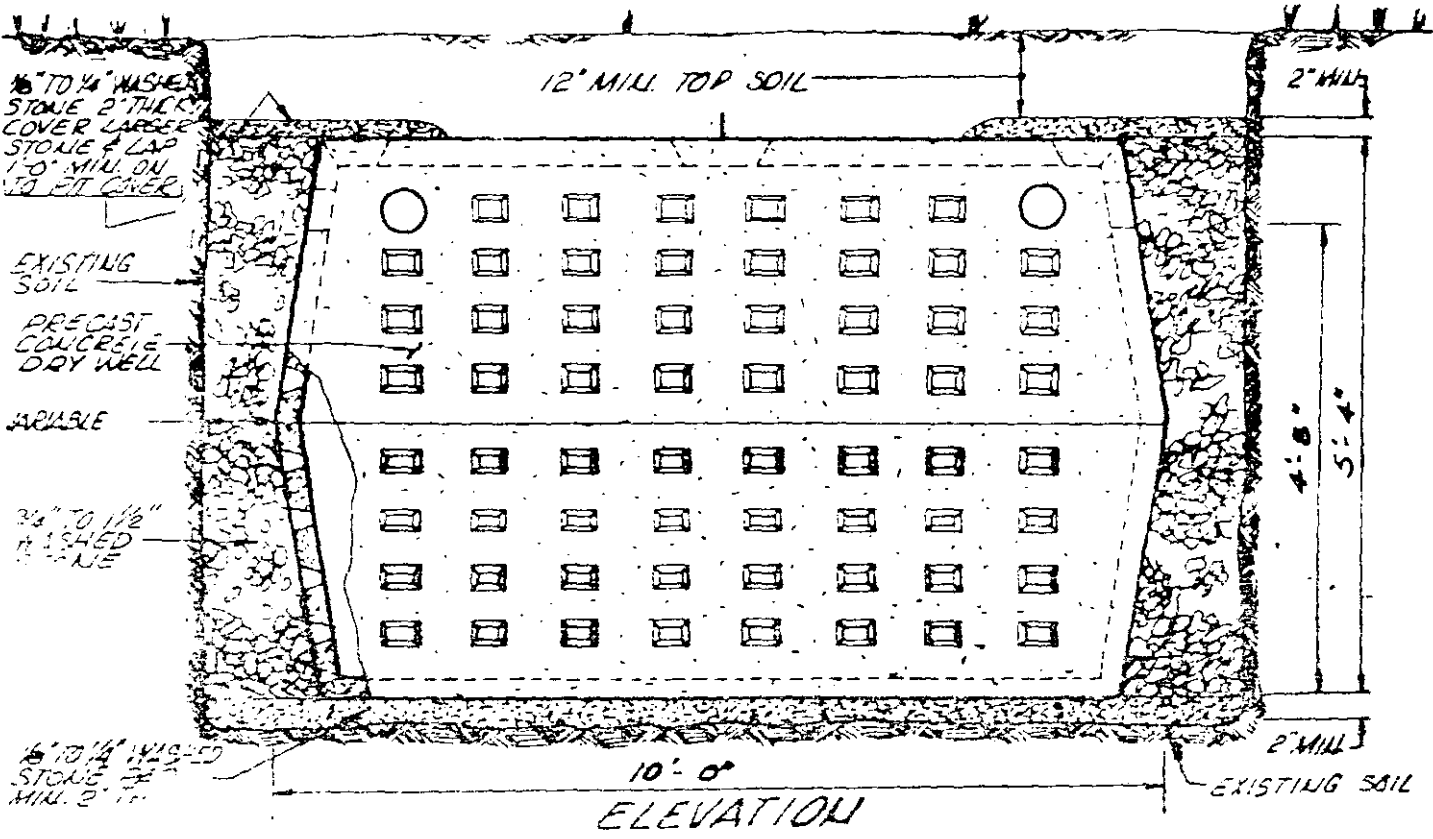
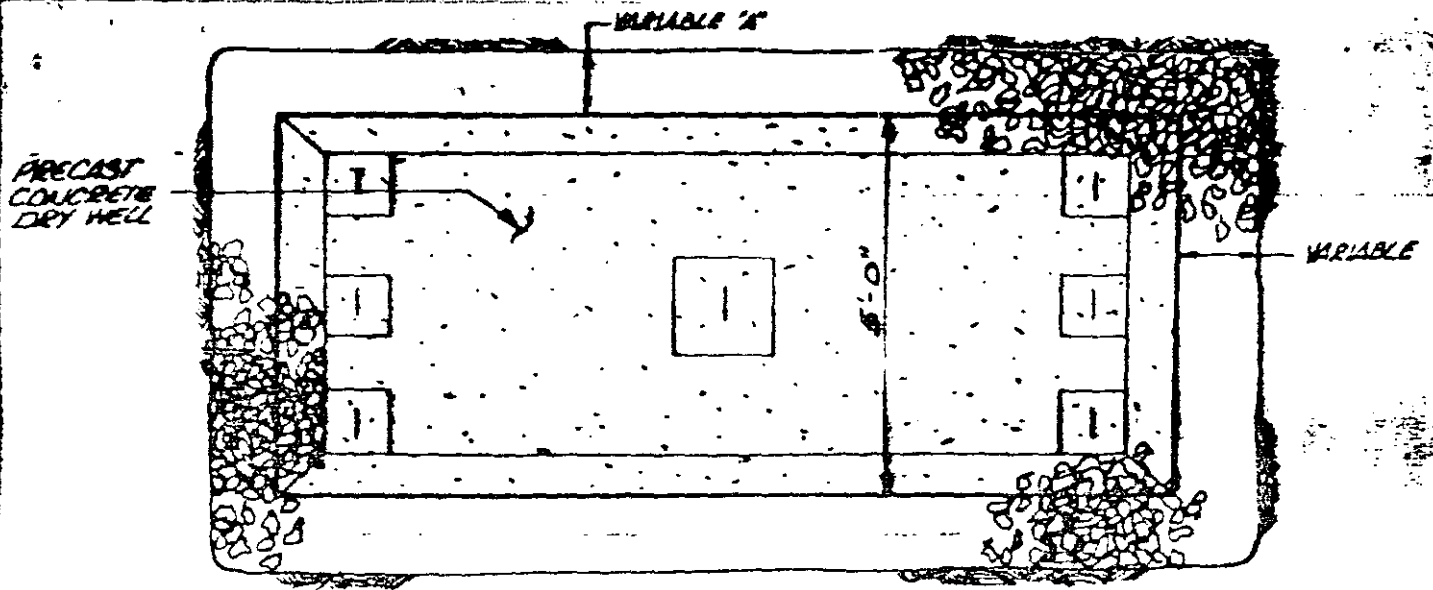
775 Gal/Pit (Sidewall)
- 234 Gal/Pit (Bottom)
= 1009 TOTAL Gal Pit (Designed)

* Without Garbage Disposal: 440 Total Gal/Day (REQUIRED)

* With Garbage Disposal: 1.5 x _____ Gal/Day (Daily Flow) = _____ Gal/Pit

Using 440 Gal/Day + 1009 Gal/Pit = _____ Gal/Pit





1500 GAL. PRECAST CONCRETE LEACHING PIT

NOTE: • ALL WORK WILL BE DONE IN ACCORDANCE WITH THE STATE ENVIRONMENTAL CODE - TITLE 5.
 • SPACING WHEN MORE THAN ONE SEEPAGE PIT OR DRY WELL ARE BEING USED IS TO BE TWICE THE GREATEST EFFECTIVE WIDTH OR DEPTH OF THE PIT, WHICHEVER IS GREATER.

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

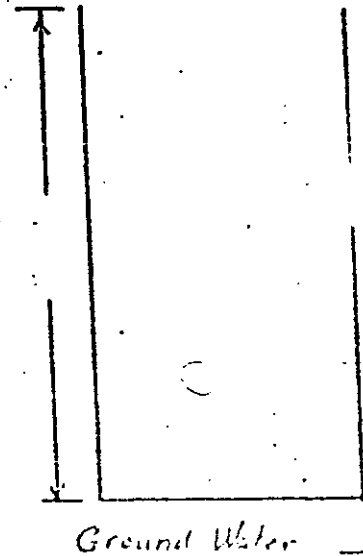
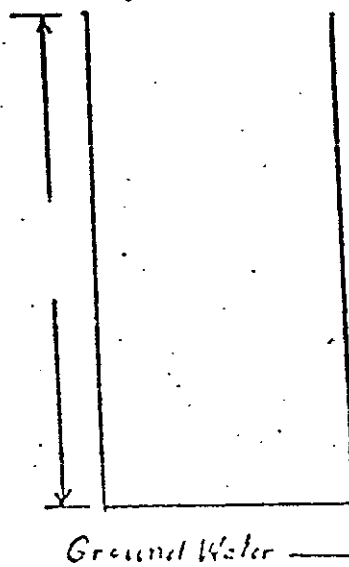
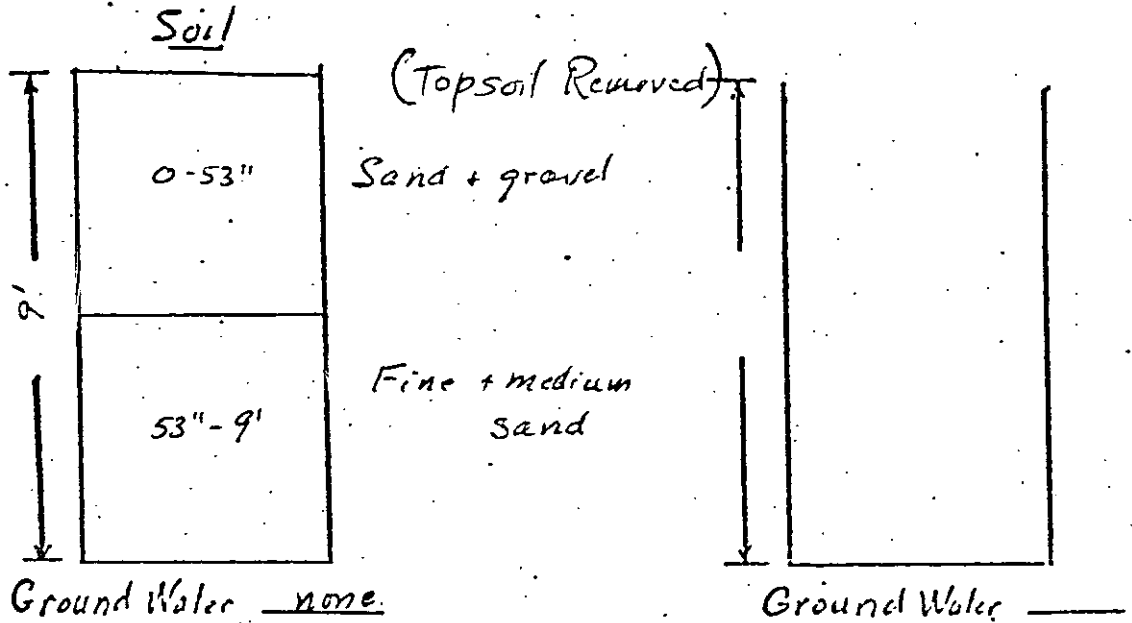


DEEP SOIL LOGS

OWNER J Giard (Keith Kouetta) Date Dec. 28 1984

LOCATION Bay Road

OBSERVER F.A. Filios



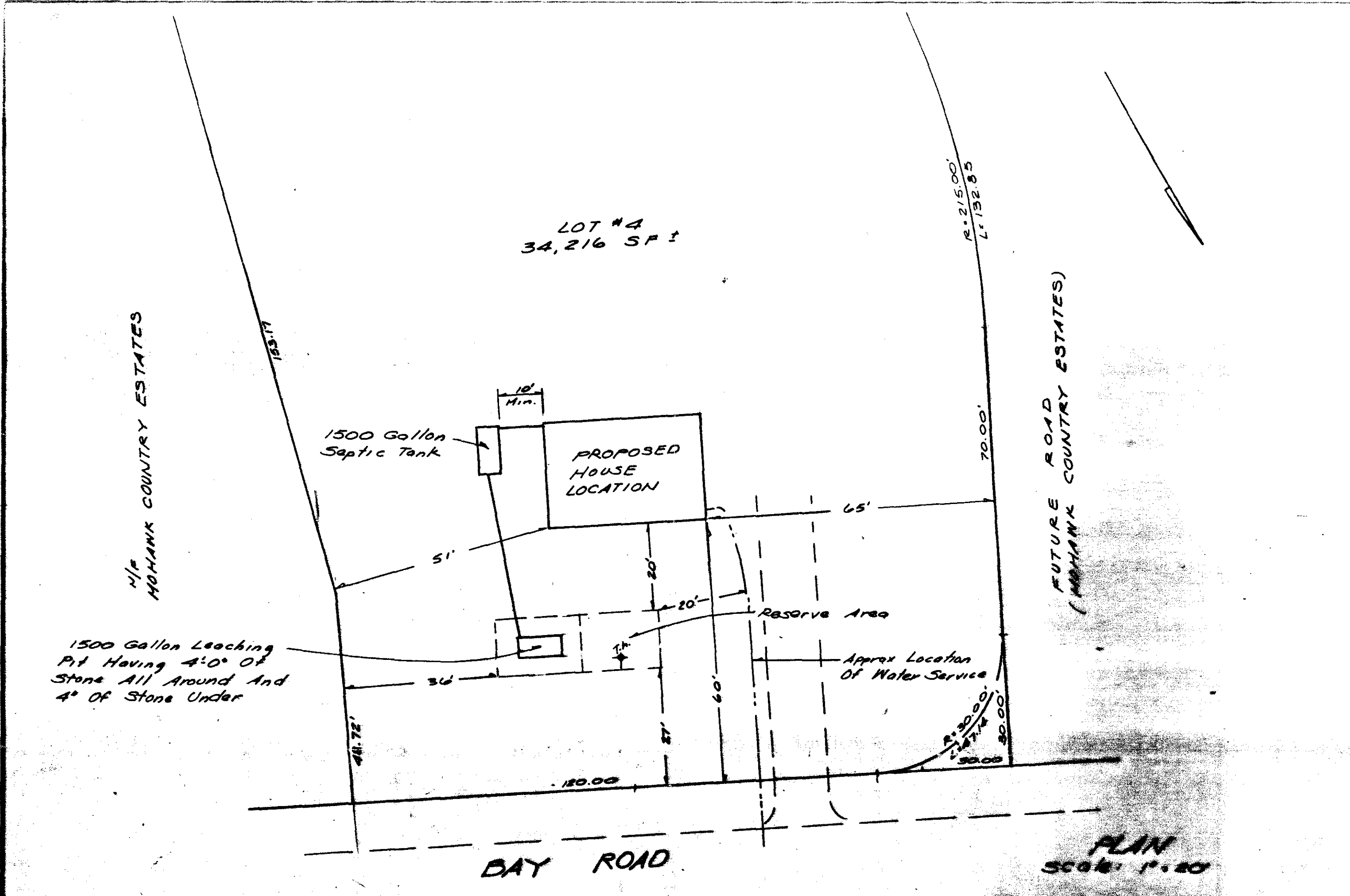
Percolation Rate at 30"

< 2 minutes/inch



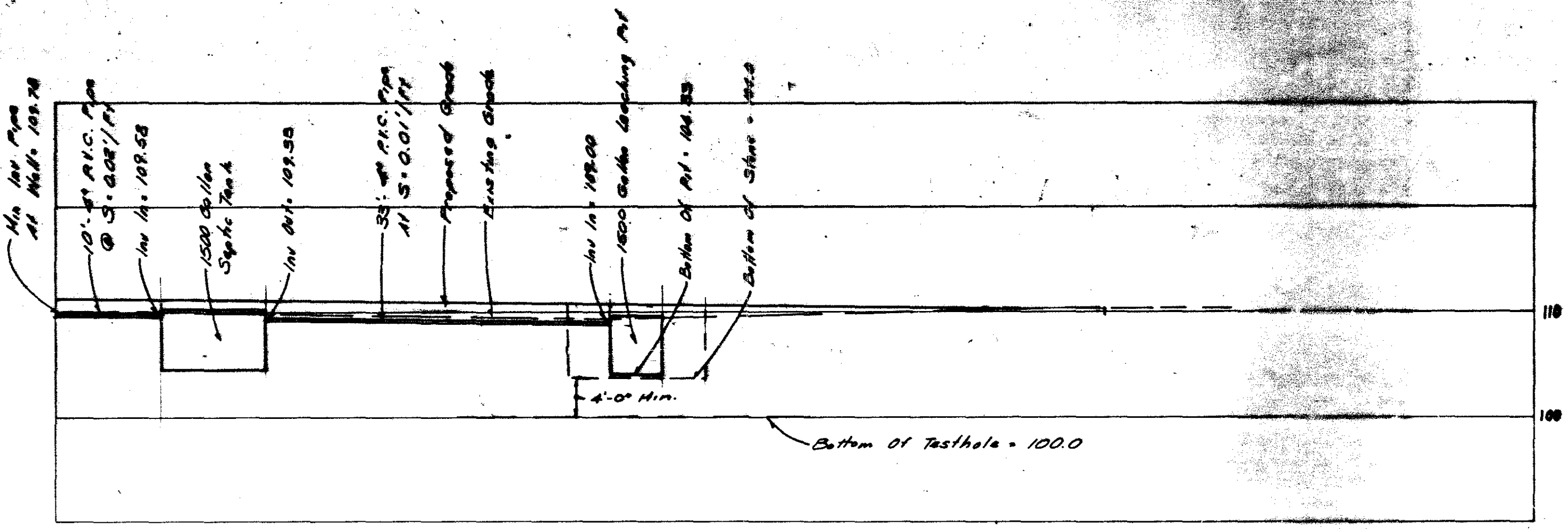
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A vertical line of text or a separator line running down the page.



OBSERVATION PIT #1		OBSERVATION PIT	
DATE: 12-28-84		DATE:	
Sand And Gravel	4'-5"		
Fine To Medium Sand	4'-7"		
GROUNDWATER = None		GROUNDWATER =	
OXIDE =		OXIDE =	
PERC. RATE = 2.0 Min/Inch		PERC. RATE =	

NOTES:
 ALL WORK TO BE DONE IN ACCORDANCE WITH TITLE 5, STATE ENVIRONMENTAL CODE.
 SEPTIC TANK SHOULD BE INSPECTED AND CLEANED AT LEAST ANNUALLY PER TITLE 5, SEC. 6.16.



— 98 — PROPOSED CONTOUR
 - - - 98 - - - EXISTING CONTOUR

PLAN OF PROPOSED SEWAGE DISPOSAL SYSTEM FOR LOT #4, BAY ROAD, AMHERST, MA.
 PREPARED FOR ROBERT SKROCKI

FIELD WORK:	
COMPUTATIONS:	RFB
DRAFTING:	RFB
CHECKED:	AMH
SCALE:	AS NOTED
DATE:	8-30-85

ALMER HUNTLEY, JR. & ASSOCIATES, INC.
 SURVEYORS - ENGINEERS - PLANNERS
 125 PLEASANT STREET
 NORTHAMPTON, MASS.

ALMER M. HUNTLEY, JR.
 No. 9419
 CIVIL ENGINEER
 PROFESSIONAL REGISTERED

SHEET: OF

BOARD OF HEALTH

493 Bay Rd

TOWN OF AMHERST, MASSACHUSETTS

Bay Rd

Important Information Regarding Your Private Sewage Disposal System

DISPLAY THIS DOCUMENT IN A PROMINENT PLACE

Owner RESS BUNDON Address WESTHAMPTON MA

Installer KARL'S EXCAVATION Address RIVER DR. HADLEY

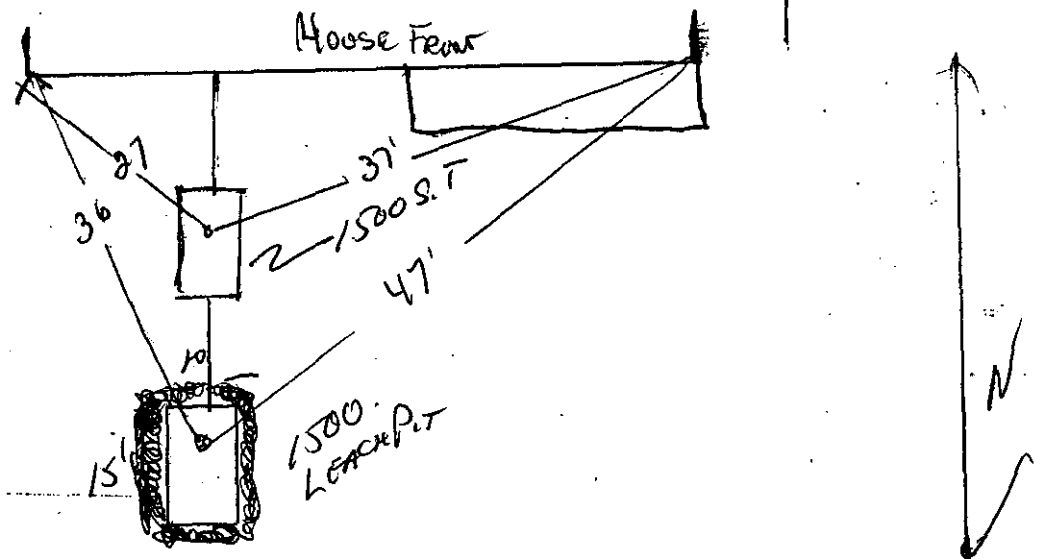
Date Installation Inspected and Approved 12-18-85

Description of System: Tank Capacity: 1500

Leach Field () Bed () Seepage Pit (X) Square Feet: 275 ^{Bottom} 1500 SILOS

Garbage Grinder Yes (X) No () No. Bedrooms: 4 No. People 8

AS - BUILT PLAN:

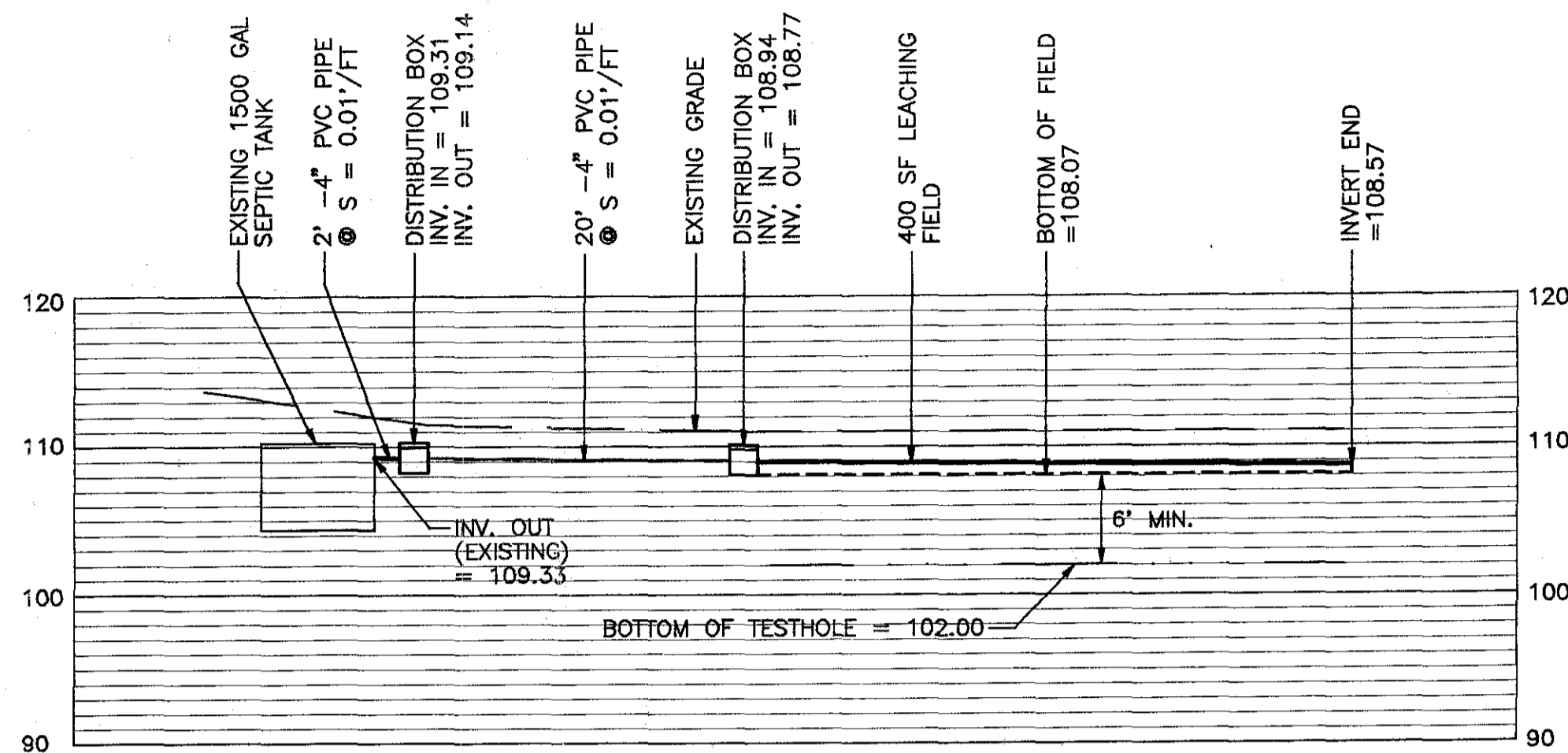


Bay Rd

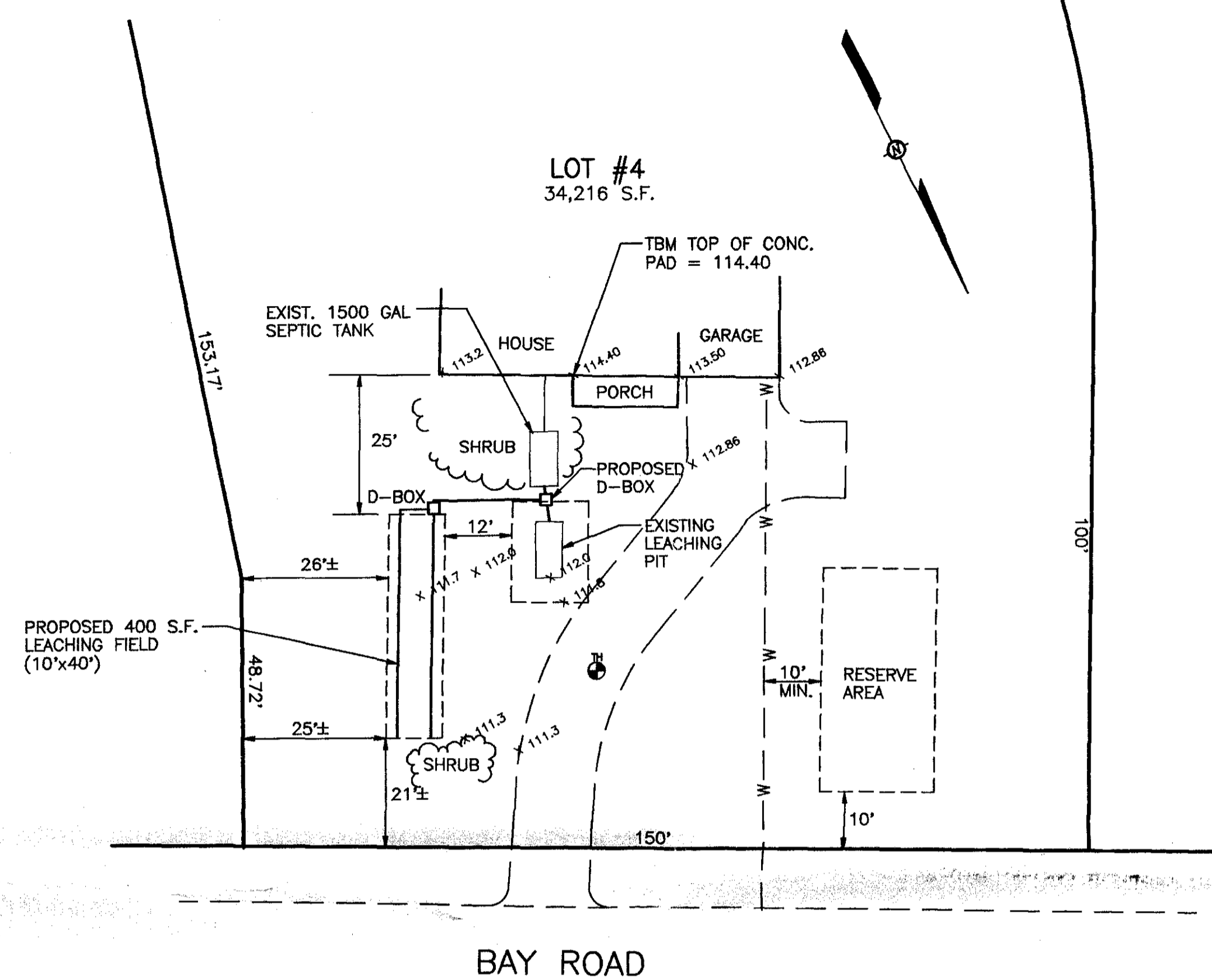
PROPER MAINTENANCE OF YOUR PRIVATE SEWAGE DISPOSAL SYSTEM

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.

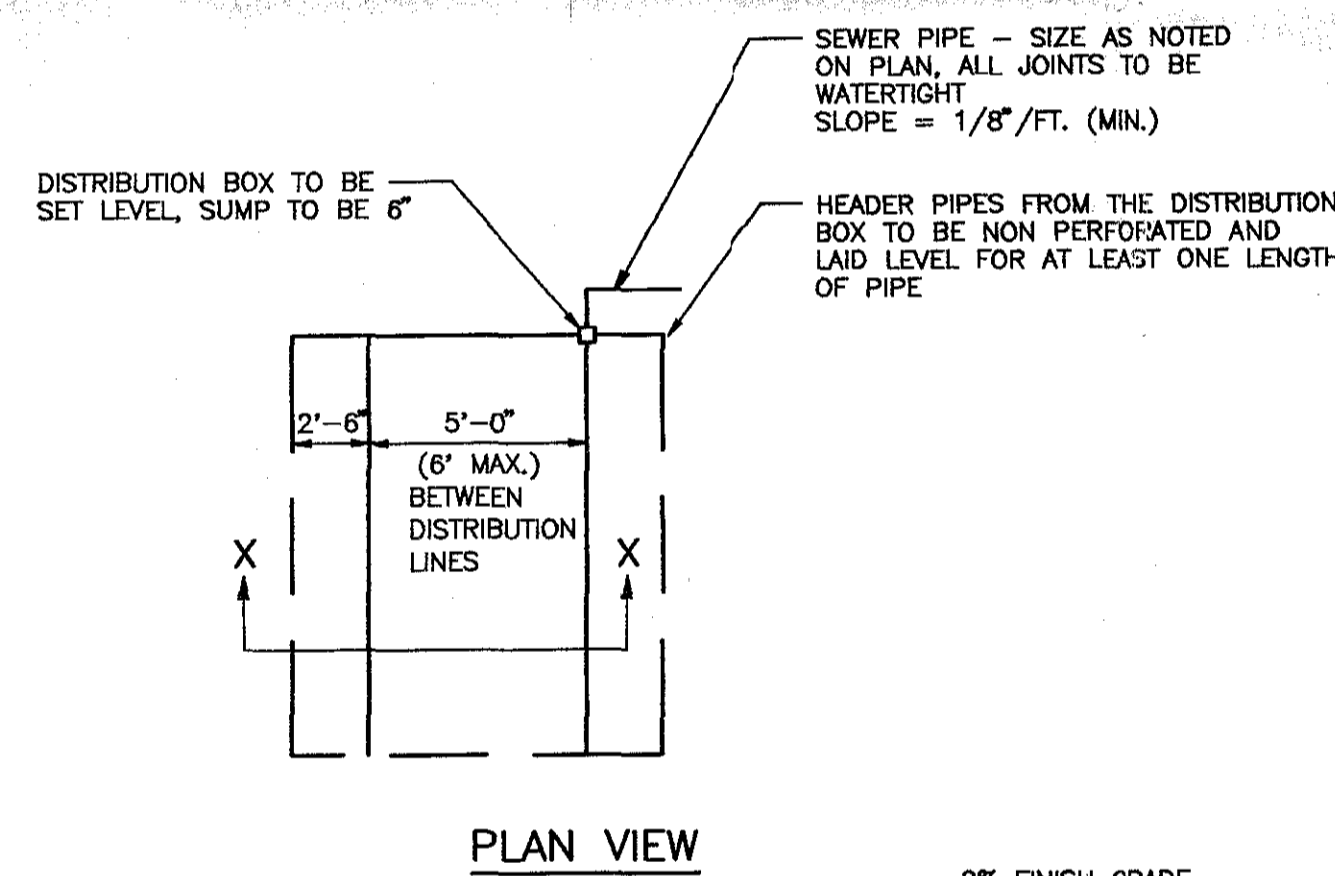




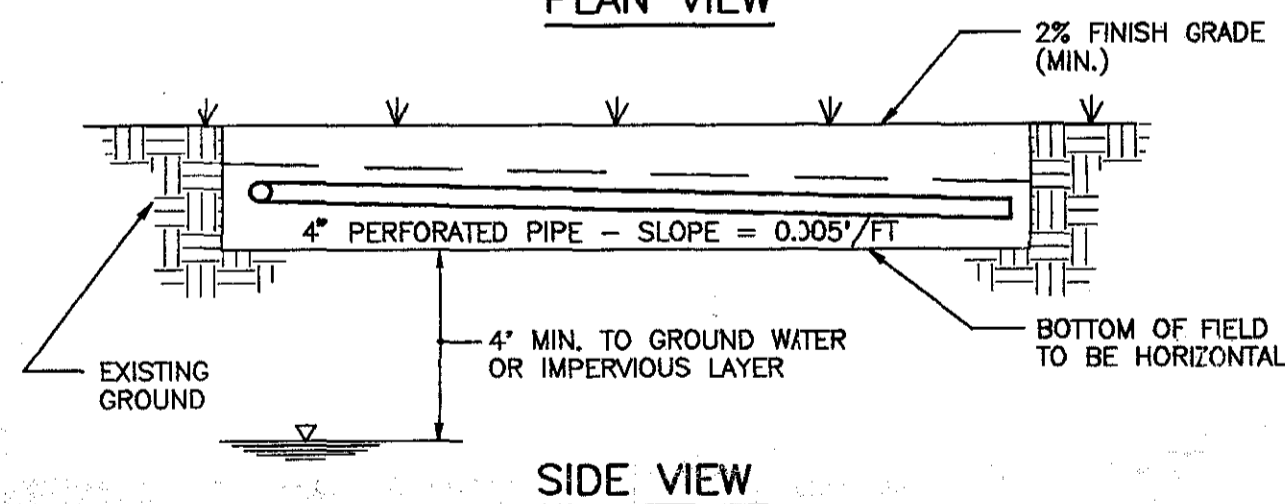
PROFILE
HORIZ. & VERT. SCALE: 1"=10'



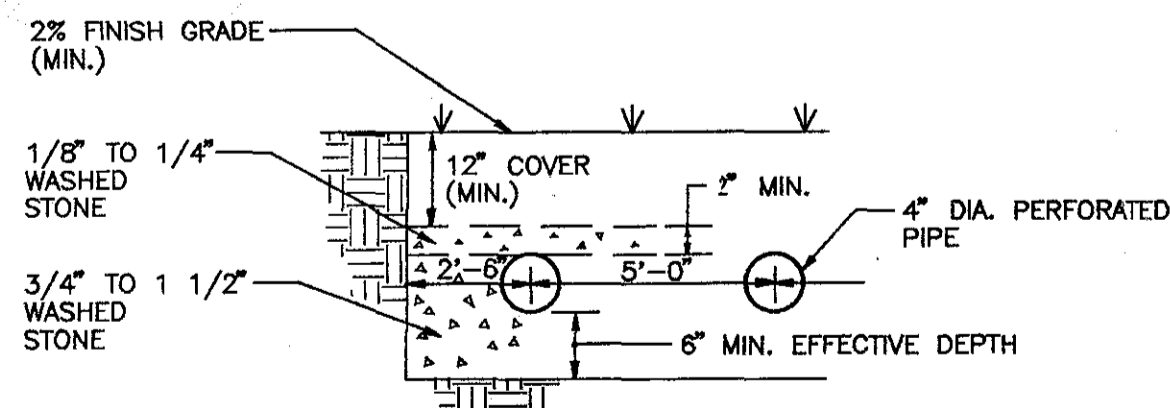
PLAN
SCALE: 1"=20'



PLAN VIEW



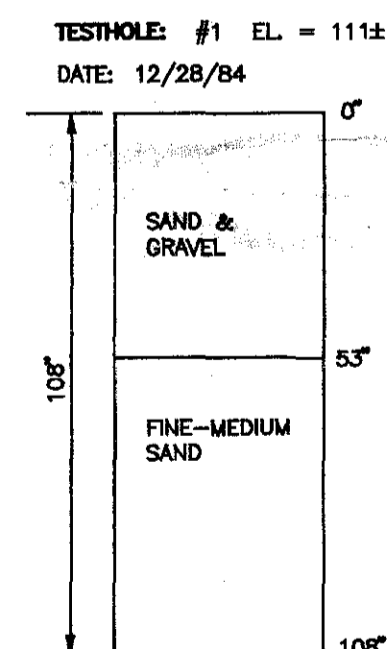
SIDE VIEW



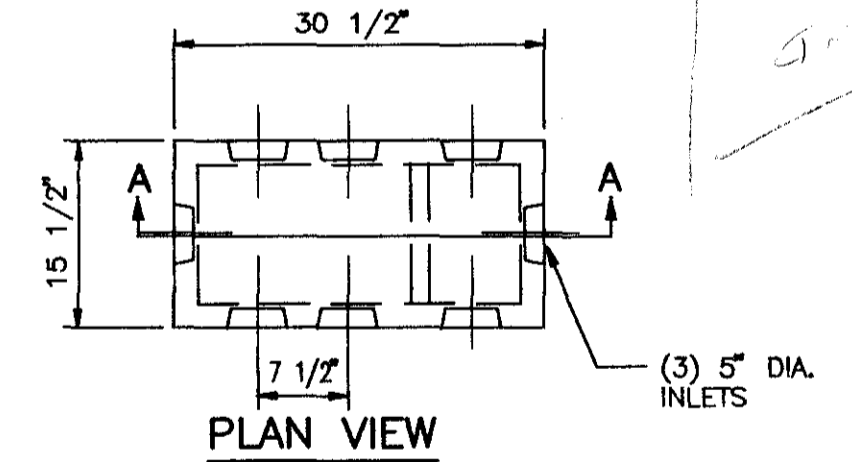
SECTION X-X

LEACHING FIELD
N.T.S.

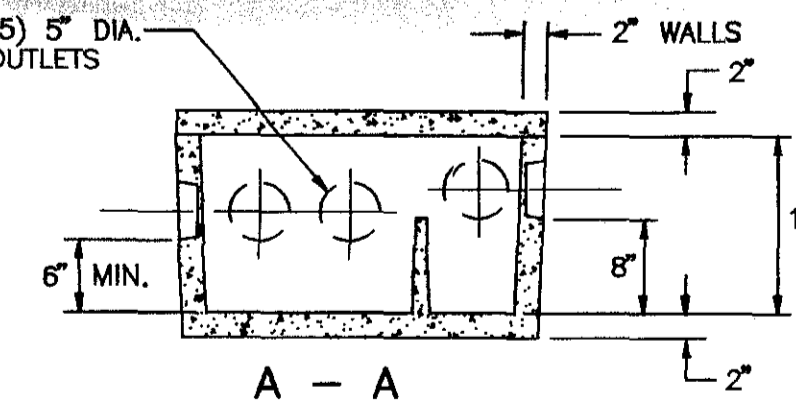
ALL WORK TO BE DONE IN ACCORDANCE WITH THE STATE ENVIRONMENTAL CODE, TITLE 5



PERFORMED BY: **FREDERICK FILIOS, R.S.**
WESTFIELD HEALTH AGENT
BOARD OF HEALTH: **DAVID ZARONZINSKI,**
AMHERST BOARD OF HEALTH



PLAN VIEW



A - A

CONCRETE MINIMUM STRENGTH - 4,000 P.S.I. @ 28 DAYS
STEEL REINFORCEMENT - A-615-75, GRADE 60, 1" MIN. COVER

PRECAST DISTRIBUTION BOX WITH BAFFLE
N.T.S.

NOTES:

- THESE PLANS ARE PREPARED AS AN ENGINEERING DESIGN AND ARE NOT INTENDED TO BE USED FOR DETERMINATION OF PROPERTY LINES.
- ALL WORK TO BE IN ACCORDANCE WITH THE STATE SANITARY CODE, TITLE 5. ANY DEVIATION FROM THE CODE OR THESE PLANS WILL IMMEDIATELY REPORTED TO THE BOARD OF HEALTH AND THE DESIGN ENGINEER.
- ONE WEEK NOTICE PRIOR TO THE BEGINNING OF CONSTRUCTION TO BE GIVEN TO THE DESIGN ENGINEER. FIELD INSPECTION IS REQUIRED PRIOR TO BACKFILL OF SYSTEM, AS PER TITLE 5, SECTION 15.021.
- SEPTIC TANK SHOULD BE INSPECTED AND CLEANED ON A REGULAR BASIS AS PER TITLE 5, SUBPART D: INSPECTION AND MAINTENANCE OF SYSTEMS, 15.351 = SYSTEM PUMPING AND ROUTINE MAINTENANCE.
- THE CONTRACTOR IS RESPONSIBLE TO CONTACT "DIG-SAFE" PRIOR OF START OF CONSTRUCTION. THESE PLANS MAY NOT SHOW ALL UTILITIES EXISTING OR THOSE TO BE INSTALLED ON THIS SITE. THE ENGINEER TAKES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN ON THESE PLANS.
- ALL PRECAST CONCRETE PRODUCTS ARE TO BE MADE BY ROTONDO & SONS, INC. OR APPROVED EQUAL.
- THE CONTRACTOR WILL OBTAIN ALL THE NECESSARY PERMITS AND LICENSES BEFORE THE START OF THIS PROJECT.
- ALL SEWER PIPING SEPTIC TANK TO DISTRIBUTION BOXES TO BE 4" PVC, SCHEDULE 40 RING-TITE PIPE.
- ALL HEADER PIPING TO BE 4" PVC, SDR-35 RING-TITE PIPE, AND IS TO BE LAID LEVEL.
- DISTRIBUTION LINES PIPE TO BE 4" PVC, SDR-35 RING-TITE PIPE (PERFORATED).
- ALL CONCRETE STRUCTURES TO BE WATERTIGHT. HYDRAULIC CEMENT WILL BE USED TO FIX PIPES IN PLACE.
- LEACHING FIELD WILL BE COVERED WITH A MINIMUM OF 1'-0" COVER, 6" WHICH WILL BE LOAM & SEED.
- CLEANOUT MANHOLE TO BE INSTALLED TO WITHIN 6" OF GRADE OVER THE SEPTIC TANK.

- AREA SERVED BY TOWN WATER.
- LOCATIONS AND ELEVATIONS OF ALL PERTINENT EXISTING INFORMATION TO BE FIELD CHECKED PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR HORIZONTAL AND VERTICAL SURVEY WORK RELATIVE TO THE ESTABLISHMENT OF LAYOUT AND GRADES FOR CONSTRUCTION.
- EROSION CONTROLS TO BE USED AS NECESSARY AND AS SHOWN ON THE PLANS.
- IF THE DISPOSAL SYSTEM IS TO BE CONSTRUCTED IN FILL, INSTALLATION SHALL MEET THE REQUIREMENTS OF TITLE 5, SECTION 15.255. THE EXCAVATION OF UNSUITABLE MATERIAL SHALL EXTEND A MINIMUM OF 5' Laterally IN ALL DIRECTIONS BEYOND THE OUTER PERIMETER OF THE SOIL ABSORPTION SYSTEM TO THE DEPTH OF NATURALLY OCCURRING PERVIOUS MATERIAL. SEE SOIL LOGS.

DAILY DESIGN FLOW & EFFLUENT LOADING RATE

4 BEDROOMS x 2 PERSONS/BEDROOM = 8 PERSONS
8 PERSONS x 55 GALLONS OF WASTEWATER/PERSON/DAY = 440 TOTAL GALLONS OF WASTEWATER/DAY

PERCOLATION RATE: 2 MIN./INCH

GALLONS OF WASTEWATER/SQUARE FEET OF LEACH AREA FOR A PERCOLATION RATE OF:
2 MIN./INCH = 0.74 GAL/SF SIDEWALL AREA (LOADING RATE)
= 0.74 GAL/SF BOTTOM AREA

EXISTING LEACHING PIT CAPACITY UNDER NEW TITLE 5

SIDEWALL AREA:
18' Long x 2.0' Effective Depth X 2 Sides = 72 SF
13' Long x 2.0' Effective Depth X 2 Sides = 52 SF
Total of 124 SF (Sidewall Area) X 0.73 Gal/SF = 90.5 Gal/Pit (Sidewall)

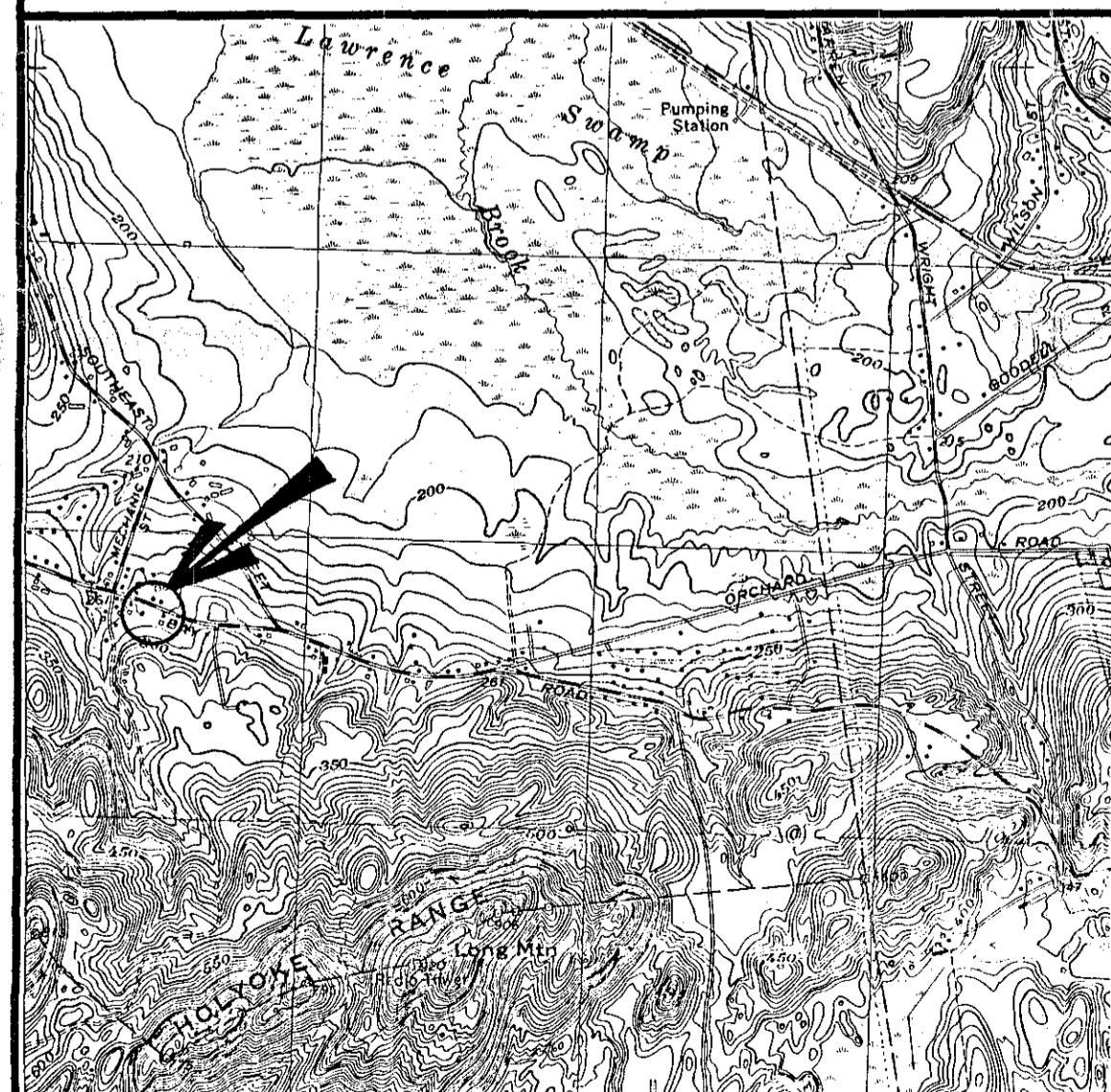
BOTTOM AREA:
18' Long X 13' Wide = 234 SF
234 SF (Bottom Area) X 0.73 Gal/SF = 171 Gal/Pit (Bottom)
90.5 Gal/Pit (Sidewall) + 171 Gal/Pit (Bottom) = 261.5 Total Gal/Pit (EXISTING CAPACITY)

TOTAL EXISTING SQUARE FEET IN LEACHING PIT = 358 S.F.

PROPOSED LEACHING FIELD

440 TOTAL GALLONS OF WASTEWATER/DAY X 1.25 (INCREASE PER AMHERST BYLAW) = 550 G.P.D.
550 G.P.D. / 0.73 GALLONS/ S.F. = 754 S.F. (TOTAL S.F. REQUIRED) - 358 S.F. (EXISTING) = 396 S.F. (ADDITIONAL S.F. REQUIRED)
40' Long X 10' Wide = 400 SF (designed)

GARBAGE DISPOSAL IS NOT ALLOWED



NO.	DATE	BY	REVISIONS

DESIGN: R.P.B.
DRAFTING: R.P.B.
CHECKED: R.L.S.
APPROVED: R.L.S.

Rebecca Shaw 11/13/95

HUNTLEY
ALMER HUNTLEY, JR. & ASSOCIATES, INC.
SURVEYORS ENGINEERS LANDSCAPE ARCHITECTS
30 INDUSTRIAL DRIVE EAST
NORTHAMPTON, MASSACHUSETTS

PLAN, NOTES
DETAILS & PROFILE

SCALE:
HORIZ: AS NOTED
VERT: N/A
DATE: 11/9/95

PLAN OF PROPOSED SEWAGE DISPOSAL SYSTEM
PREPARED FOR
GRAHAM GAL
LOCATED AT
493 BAY ROAD,
AMHERST, MASSACHUSETTS

PROJECT NO. 225-2200
SHEET NO. 1 OF 1
DWG. NO. 2252200