#560

BOARD OF HEALTH, AMHERST, MASSACHUSETTS

APPLICATION FOR DISPOSAL WORKS CONSTRUCTION PERMIT

No. 83-29 Date 12-7-83 Fee $10 Date Rec'd. 12-7-83 By CEW

Application is hereby made for a permit to Construct (X) or Repair ( ) an Individual Sewage Disposal System at:
Location—Address Station Road or Lot No. 3
Owner Ress Building Corp. Address
Contractor KARL'S EXC Address
Type of Building Dimensions Size Lot
Dwelling—No. of Bedrooms 3 Expansion Attic ( ) Garbage Grinder (X)
Other No. of persons Showers ( )
Other fixtures
Town Water? yes Type of Well

ALMER M. HUNTLEY JR No. 9419 REGISTERED PROFESSIONAL ENGINEER COMMONWEALTH OF MASSACHUSETTS

Elmer M. Huntley Jr

Design Flow 55 gallons per person per day. Total daily flow 330 gallons
Septic Tank—Liquid capacity 1500 gallons Dimensions: L W D
Disposal Trench—No. Width Total Length Total leaching area sq. ft.
Disposal Bed—No. Diameter Depth below inlet Total leaching area sq. ft.
Dry Well—No. 1 Diameter Depth below inlet Dimensions: 18' x 13' x2.5
Other: Distribution box ( ) No. Dosing tank ( ) Total G.P.D. capacity =621 gal.
(Depth of Soil Line Below finished grade at foundation)
Percolation Test Results Performed by RPB Huntley Assoc. Date 5-10-83
Test Pit No. 1 2.0 minutes per inch Depth of Test Pit
Test Pit No. 2 minutes per inch Depth of Test Pit
Description of Soil sand & gravel Depth to Ground Water None
Will *disposal area* be filled? no Cut down?
(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 aforedescribed 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.

X Robert E. Ress
Owner or builder

Application Approved by
date 12-7-83
date

Application Disapproved *for the following reasons:*

BOARD OF HEALTH, AMHERST, MASSACHUSETTS

CERTIFICATE OF COMPLIANCE

THIS IS TO CERTIFY, That the individual Sewage Disposal System installed ( ) or repaired ( ) by
INSTALLER at has been constructed in accordance with the provisions of 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. 83-29

Permission is hereby granted Ress Bldg. by Karl's Exc to construct (X) or repair ( ) an Individual Sewage Disposal System at Lot 3 Station Rd
as shown on the application for Disposal Works Construction Permit No. 83-29

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 12-7-83

Board of Health

PROPOSED DOMESTIC SUBSURFACE DISPOSAL SYSTEM DESIGN

Prepared For: Ress Building Corp. Limited

Location: Lot #3, Station Road, Amherst

Number of Bedrooms: 3 Garbage Disposal: Yes

LEACH AREA DESIGN

3 Bedrooms x 2 persons/bedroom = 6 persons

6 Persons x 55 gallons of wastewater/person/day = 330 total gallons of wastewater/day.

Percolation Rate: 2.0 min/inch

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

2.0 min/inch = 2.5 Gal/SF Sidewall Area

= 1.0 Gal/SF Bottom Area

* 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:

~~330~~ Gallons of wastewater/day x 150% = ~~495~~ REQUIRED effective liquid capacity of septic tank.

RECOMMENDED: _____ Septic Tank

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

** WITH GARBAGE DISPOSAL:

330 Gallons of wastewater/day x 200% = 660 REQUIRED effective liquid capacity of septic tank.

RECOMMENDED: 1500 Septic Tank

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

LEACHING PIT DESIGN

Precast Pit Used: 10'-0" Long x 5'-0" Wide x 2'-0" Effective Depth

Using 4.0 ' of stone all around and 0.5 ' of stone under pit.

SIDEWALL AREA:

18 ' Long x 2.5 ' Effective Depth x 2 Sides = 90 SF

13 ' Wide x 2.5 ' Effective Depth x 2 Sides = 65 SF

Total of 155 SF (Sidewall Area) x 2.5 Gal/SF = 387.5 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)

387.5 Gal/Pit (Sidewall)

\+ 234 Gal/Pit (Bottom)

= 621 TOTAL Gal/Pit (Designed)

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

* With Garbage Disposal: 1.5 x 330 Gal/Day (Daily Flow) = 495 Gal/Pit (REQUIRED)

Using 495 Gal/Day (Daily Flow) ÷ 621 Gal/Pit = 1 Pit(s)

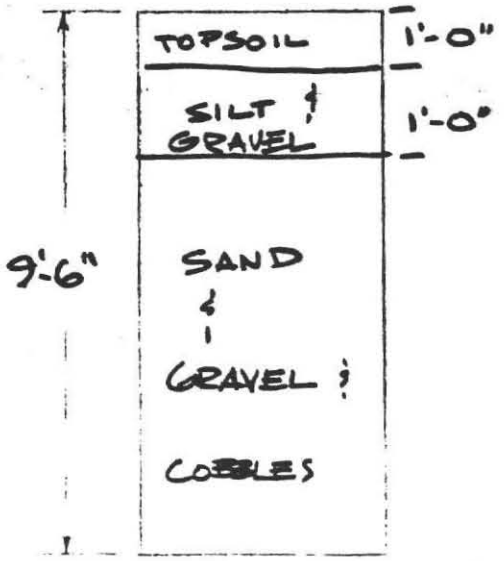
OBSERVATION PIT

REQUESTED BY: RALPH FARRICK DATE: 5-10-73

LOCATION: STATION ROAD, AMHERST OBSERVER: RPB

MAIL ADDRESS:

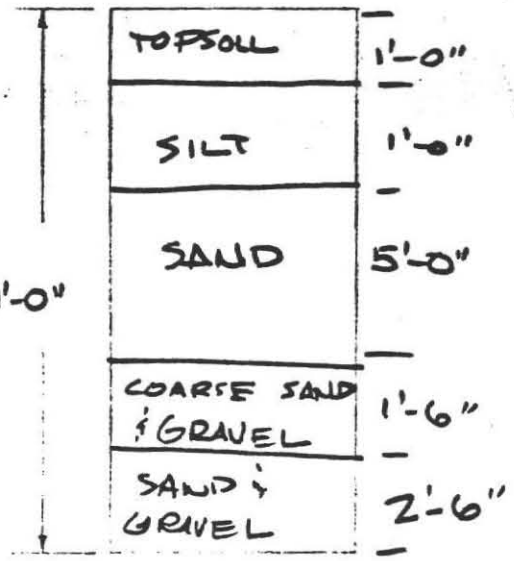
LOT #1



NONE

2.0 min/in

LOT #2



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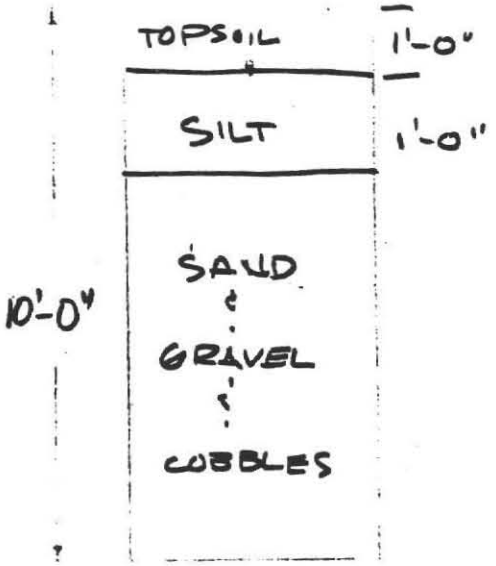
LOT #3



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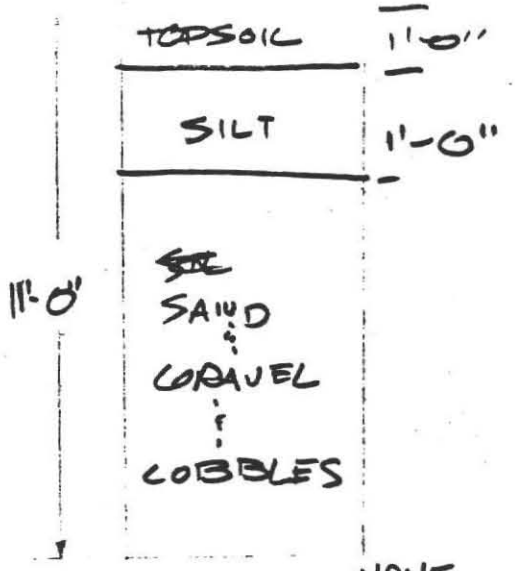
LOT #4



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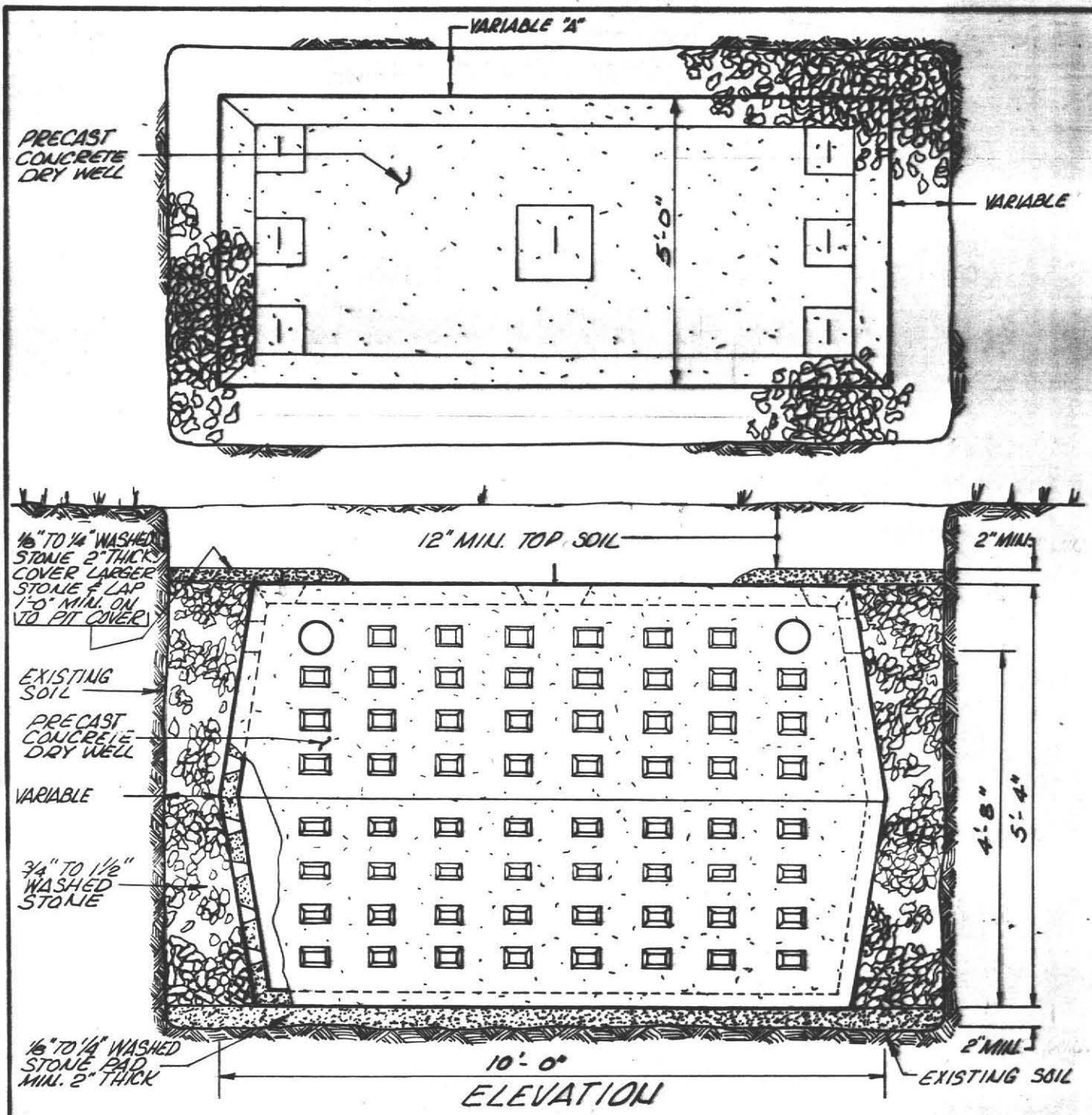
ALMER HUNTLEY, JR & ASSOCIATES, INC.
REGISTERED LAND SURVEYORS & CIVIL ENGINEERS
238 BRIDGE STREET



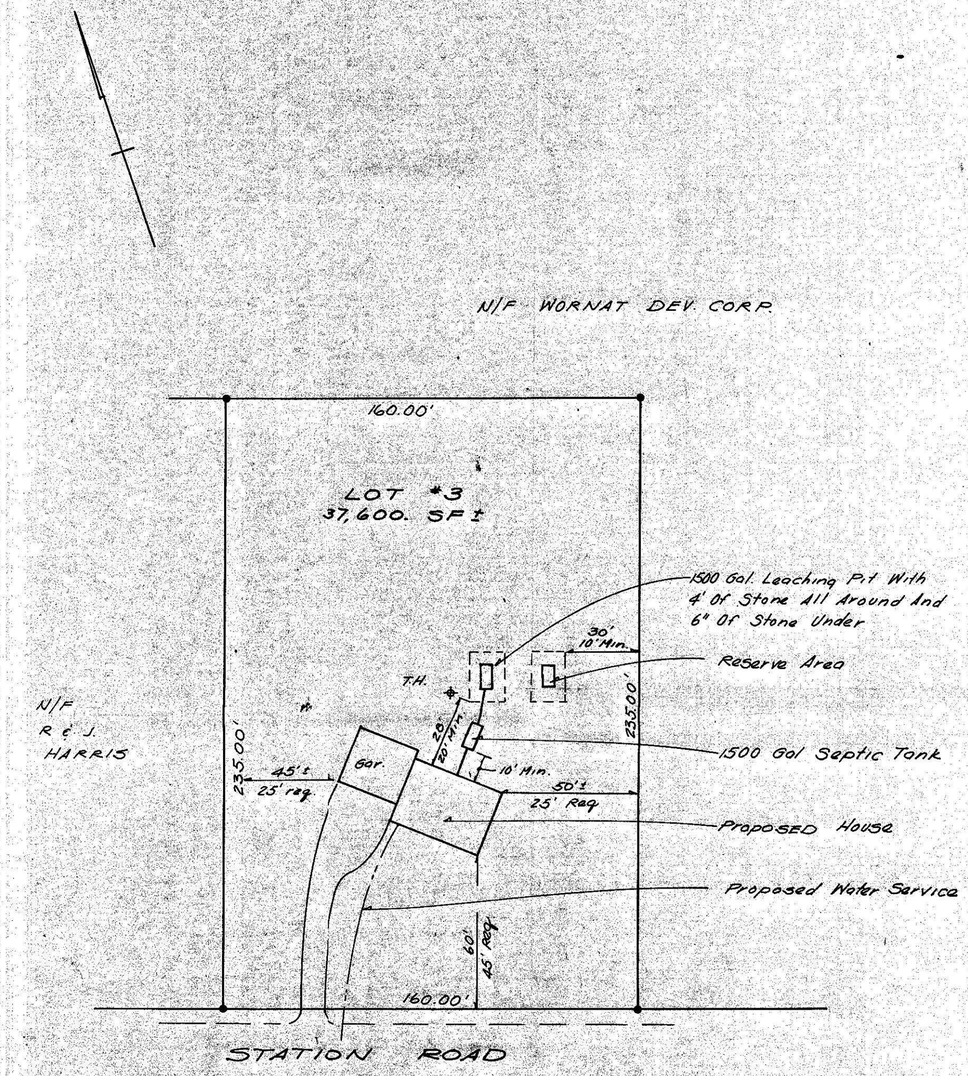
1500 GAL. PRECAST CONCRETE LEACHING PIT

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.

JOB NO.	SCALE: NONE	SHEET OF



OBSERVATION PIT

DATE: 5-10-73

OTS	1'-0"
SILT	1'-0"
SAND, GRAVEL & COBBLES	10'-0"

GROUNDWATER = NONE
PERC. RATE = 2.0 Min./Inch

OBSERVATION PIT

DATE:

GROUNDWATER =
PERC. RATE =

NOTE: ALL WORK TO BE DONE IN ACCORDANCE WITH TITLE 5, STATE ENVIRONMENTAL CODE.

PLAN OF PROPOSED SEWAGE DISPOSAL SYSTEM FOR LOT #3, STATION ROAD, AMHERST, MA.
PREPARED FOR
RESS BUILDING CORP., L.T.D.

FIELD WORK:	
COMPUTATIONS:	
DRAFTING:	RPB
CHECKED:	AMH
SCALE:	1" = 40'
DATE:	11-28-83

COMMONWEALTH OF MASSACHUSETTS
ALMER M. HUNTLEY JR
No. 9419
REGISTERED PROFESSIONAL ENGINEER

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

SHEET: OF:

BRUNING 44-132 51838