100 High Point Dr.

#100

BOARD OF HEALTH, AMHERST, MASSACHUSETTS

APPLICATION FOR DISPOSAL WORKS CONSTRUCTION PERMIT

No. 83-13 Date 6-3-83 Fee $90 Date Rec'd. 6/6/83 By

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

Location—Address 100 High Point Drive or Lot No. 59

Owner Ress Building Corp. Ltd. Address Westhampton

Contractor Karls Exc. Address River Dr.

Type of Building _____ Dimensions _____ Size Lot _____

Dwelling—No. of Bedrooms 4 Expansion Attic ( ) Garbage Grinder (X)

Other _____ No. of persons _____ Showers ( )

Other fixtures _____

Town Water? No Type of Well _____

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

Septic Tank—Liquid capacity 1500 gallons Dimensions: L. _____ W. _____ D. _____

Disposal ~~Trench~~ Bed—No. 1 Width 24 Total Length 44 Total leaching area 1056 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 J.H. Huntley Assoc. Date 4-19-73

Test Pit No. 1 7.3 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 4'0"

Will *disposal area* be filled? yes 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. Karls Pres. _____
Owner or builder date

Application Approved by _____ 6/6/83
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 _____ 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. 83-13

Permission is hereby granted Ress Const. Karls Exc to construct (X) or repair ( ) an Individual Sewage Disposal System at Lot 59 100 High Point

as shown on the application for Disposal Works Construction Permit No. 83-13

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 6/6/83 _____
Board of Health

PROPOSED DOMESTIC SUBSURFACE DISPOSAL SYSTEM DESIGN

Prepared For: Ress Building Corp L.T.D.

Location: High Point Drive, Lot 59, Amherst

Number of Bedrooms: 4 Garbage Disposal: Yes

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: 7.3 min/inch

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

7.3 min/inch = 1.25 Gal/SF Sidewall Area

= 0.63 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:

_____ Gallons of wastewater/day x 150% = _____ 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:

440 Gallons of wastewater/day x 200% = 880 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 FIELD DESIGN

USING BOTTOM AREA ONLY:

440 Gallons (Total Daily Flow) ÷ 0.63 gal/SF = 698 SF Leaching Field (REQUIRED)

* With Garbage Disposal: 698 SF Leaching Field x 1.5 = 1048 SF Leaching Field (REQUIRED)

1056 SF Leaching Field (Designed): 44 ' Long x 24 ' Wide

LEACHING TRENCH DESIGN

SIDEWALL AREA:

_____ Gal/SF x _____' of effective depth x 1' length x 2 sides = _____ Gal/LF of trench (sidewall).

BOTTOM AREA:

_____ Gal/SF x _____' wide x 1' length = _____ Gal/LF of trench (bottom).

_____ Gal/LF (Sidewall)

\+ _____ Gal/LF (Bottom)

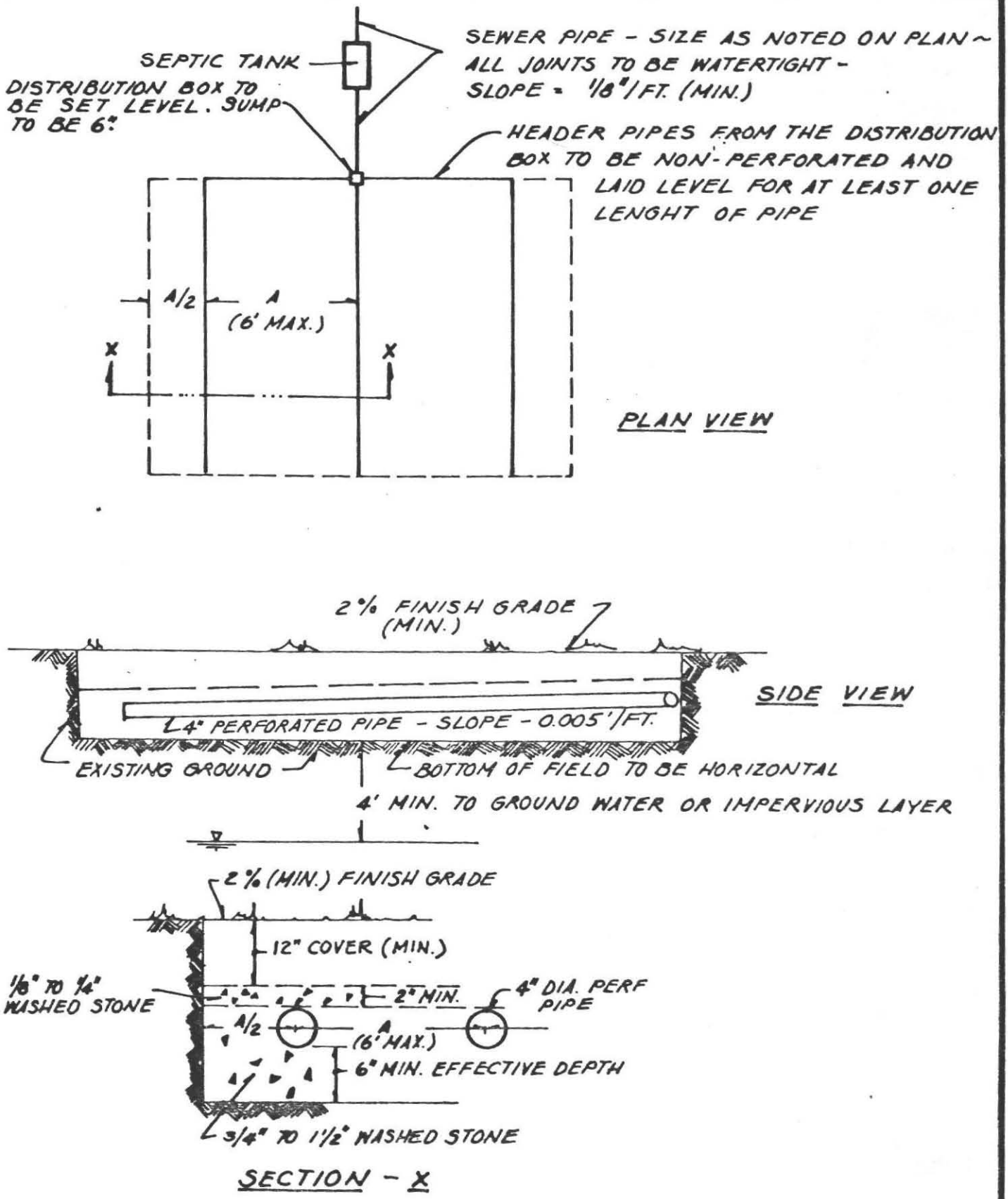
= _____ TOTAL Gal/LF of trench

Total of _____ Gal/Day (flow) ÷ _____ Total Gal/Day/LF = _____ LF of trenc trench (REQUIRED)

* With Garbage Disposal: _____ LF of trench x 1.5 = _____ LF of trench (REQUIRED)

_____ LF of trench (Designed): _____ Trenches, _____' Wide x _____' Long with _____' Effective Depth.

2.17 Construction in Fill - Where an individual sewage disposal system is to be constructed wholly or partially in fill, the fill shall be properly placed and compacted to minimize settlement or it shall be allowed to settle for a minimum of 12 months whichever occurs first. The fill material shall be clean coarse washed sand or other clean granular material essentially free from clay, fines, dust, organic matter, large stones, masonry, stumps, frozen clumps of earth, wood, tree branches, and waste construction material, and shall have a percolation rate of less than 2 minutes per inch before and after placement. Before the fill is put in place, all trees, brush, and stumps shall be removed from the area to be filled. Topsoil, peat, and other impervious materials shall be removed from all areas beneath the leaching facility and for a distance of 25 feet in all directions therefrom when the leaching facility is above natural ground elevation; or impervious materials shall be removed for 10 feet in all directions therefrom when the leaching facility is below natural ground elevation. No sewage disposal system shall be constructed in fill placed upon impervious material unless the requirements of Regulation 3.6 have been met.



ALL WORK TO BE DONE IN ACCORDANCE WITH THE STATE

ALMER HUNTLEY, JR. & ASSOCIATES, INC.

SURVEYORS - ENGINEERS - PLANNERS

125 PLEASANT STREET

NORTHAMPTON MASS

BOARD OF HEALTH

TOWN OF AMHERST, MASSACHUSETTS

LOT 59 HIGH POINT DR.

Important Information Regarding Your Private Sewage Disposal System

DISPLAY THIS DOCUMENT IN A PROMINENT PLACE

Owner RESS CONST. LTD. Address WESTHAMPTON

Installer KARLS ENG Address RIVER DR. ENG.

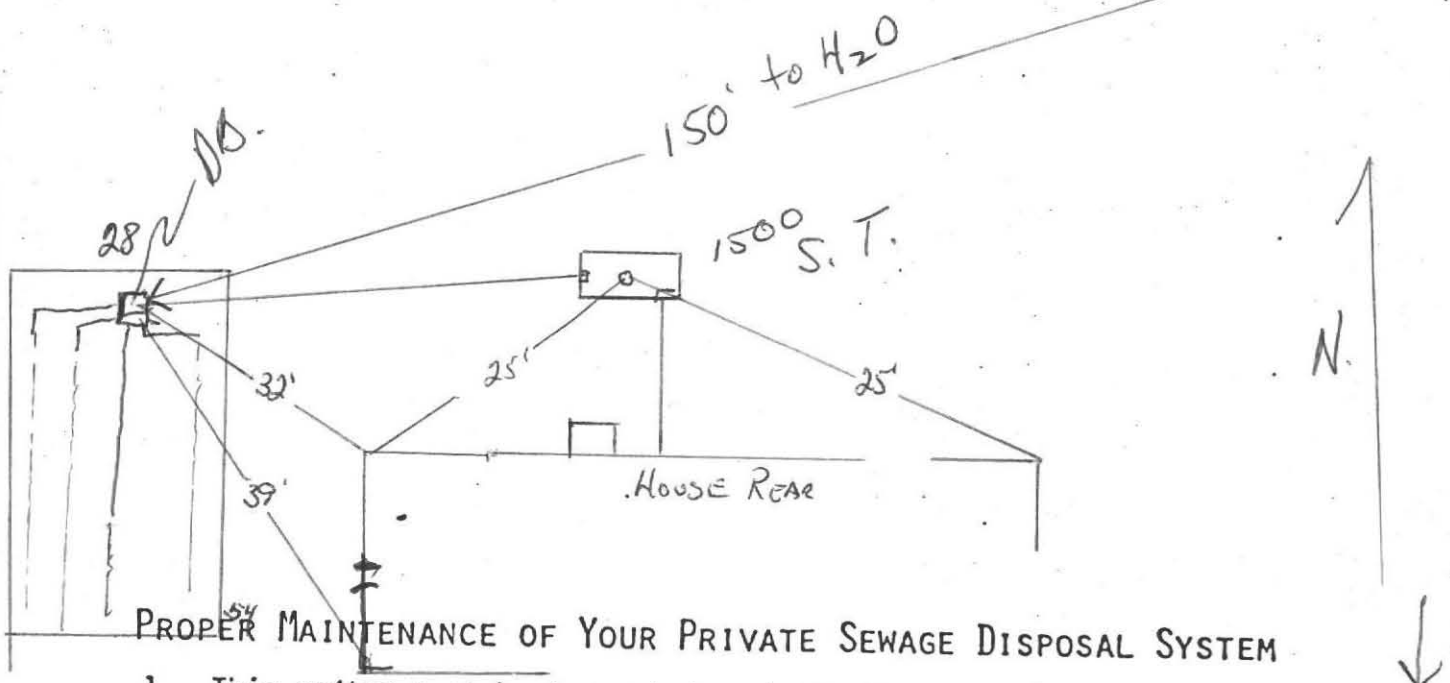
Date Installation Inspected and Approved 8/24/83

Description of System: Tank Capacity: 1500

Leach Field ( ) Bed (X) Seepage Pit ( ) Square Feet: 1500

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

AS - BUILT PLAN:



PROPER MAINTENANCE OF YOUR PRIVATE SEWAGE DISPOSAL SYSTEM

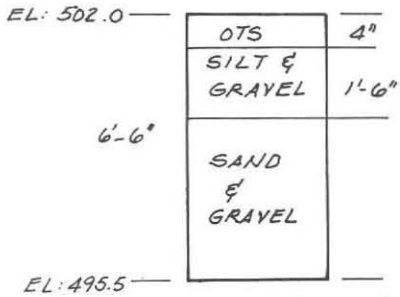
1. This system must be inspected periodically and the tank pumped out at an interval not to exceed 3 years.
2. For your protection sanitary pumpers are licensed by the Amherst Board of Health.
3. Regular pumping is crucial to avoid early failure and costly repairs of the system.
4. DO NOT dispose into 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.

PLY
ON
RY

= A
E.

OBSERVATION PIT #2

DATE: 4·19·73

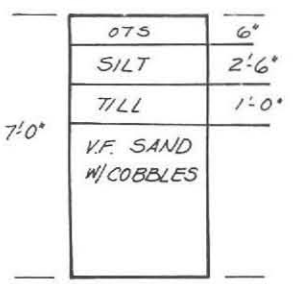


GROUNDWATER = 4'-0"

PERC. RATE = 7.3 min/inch

OBSERVATION PIT #1

DATE: 4-19-73



GROUNDWATER = 2'-9"

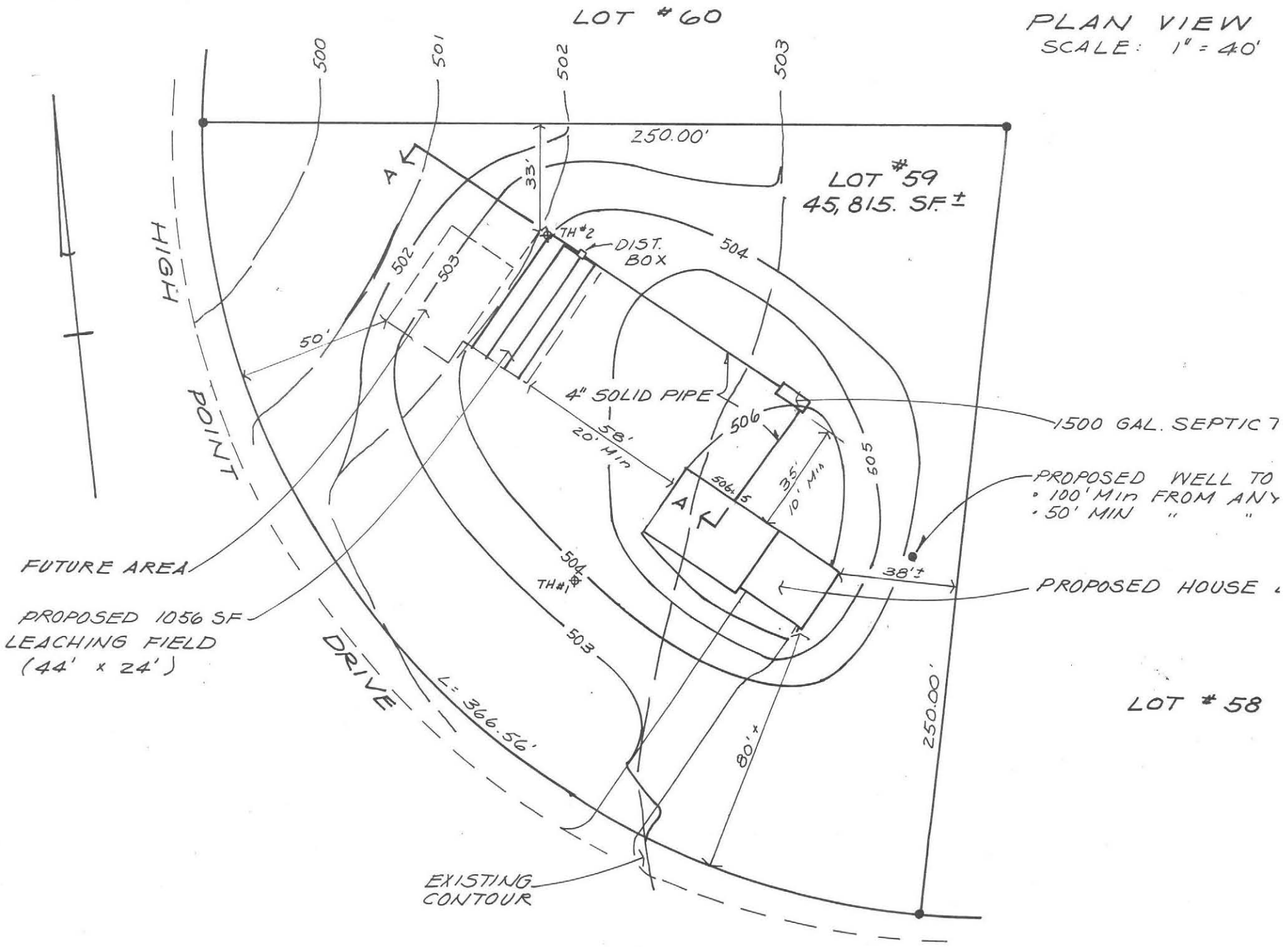
PERC. RATE = —

501 — — — — EXISTING CONTOUR

501 ———— PROPOSED CONTOUR

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

PLAN OF PROPOSED SEWAGE DISPOSAL SYSTEM FOR LOT #59, HIGH POINT DRIVE, AMHERST, MASS. PREPARED FOR RESS BUILDING CORP., L.T.D.	FIELD WORK:
	COMPUTATIONS: RPB
	DRAFTING: RPB
	CHECKED: AMH
	SCALE: AS NOTED
	DATE: 5·18·83
	ALMER HUNTLEY, JR. & ASSOCIATES, INC.


PLAN VIEW
SCALE: 1" = 40'
LOT #60
LOT #59
45,815. SF ±
LOT #58
250.00'
250.00'
33'
A
A
TH #2
DIST. BOX
TH #1
4" SOLID PIPE
1500 GAL. SEPTIC T
PROPOSED WELL TO
• 100' Min FROM ANY
• 50' MIN " "
PROPOSED HOUSE
38'±
80'±
58'
20' Min
35'
10' Min
50'
FUTURE AREA
PROPOSED 1056 SF
LEACHING FIELD
(44' x 24')
EXISTING
CONTOUR
HIGH POINT DRIVE
L = 366.56'
500
501
502
503
504
505
506

Dr. T
10-12-83
Horse Barn
25'
25'
15'
30'
34'
54
8
15'
8'-24'-83
H2O
100 Head
Pigs

BOARD OF HEALTH, AMHERST, MASSACHUSETTS

APPLICATION FOR DISPOSAL WORKS CONSTRUCTION PERMIT

No. 73-64 Date 5/30/73 Fee 3 Date Rec'd. 5/30/73 By DGF

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

Location—Address 100 HIGH POINT DRIVE or Lot No. 59

Owner ROY INDUSTRIES INC. Address CUSHMAN ROAD SHUTESBURY

Contractor W.W. CLARK Address SHUTESBURY

Type of Building _____ Dimensions _____ Size Lot 45,815 S.F.

Dwelling—No. of Bedrooms 4 Expansion Attic ( ) Garbage Grinder (✓)

Other _____ No. of persons _____ Showers ( )

Other fixtures _____

Town Water? NO Type of Well DRILL

Design Flow 50 gallons per person per day. Total daily flow 400 gallons

Septic Tank—Liquid capacity 1200 gallons Dimensions: L 10'-0" W 5'-4" D 4'-10"

Disposal ~~Trench~~ BED—No. 1 Width 20 Total Length 40 Total leaching area 800 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 (✓) No. _____ Dosing tank ( )

(Depth of Soil Line Below finished grade at foundation _____)

Percolation Test Results Performed by R.P.B. HUNTLEY ENGR. Date 4-17 & 5-9-73

Test Pit No. 1 7.3 minutes per inch Depth of Test Pit 2'-3"

Test Pit No. 2 — minutes per inch Depth of Test Pit 6'-6"

Description of Soil SAND & GRAVEL Depth to Ground Water 4'-0"

Will *disposal area* be filled? YES 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.

ASPER ATTACHED PLAN

Owner or builder — 5/30/73 date

Application Approved by C.E. [illegible] — 5/30/73 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 _____ 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. _____

Permission is hereby granted ROY INDUSTRIES to construct (✓) or repair ( ) an Individual Sewage Disposal System at LOT 59 100 HIGH PT DR

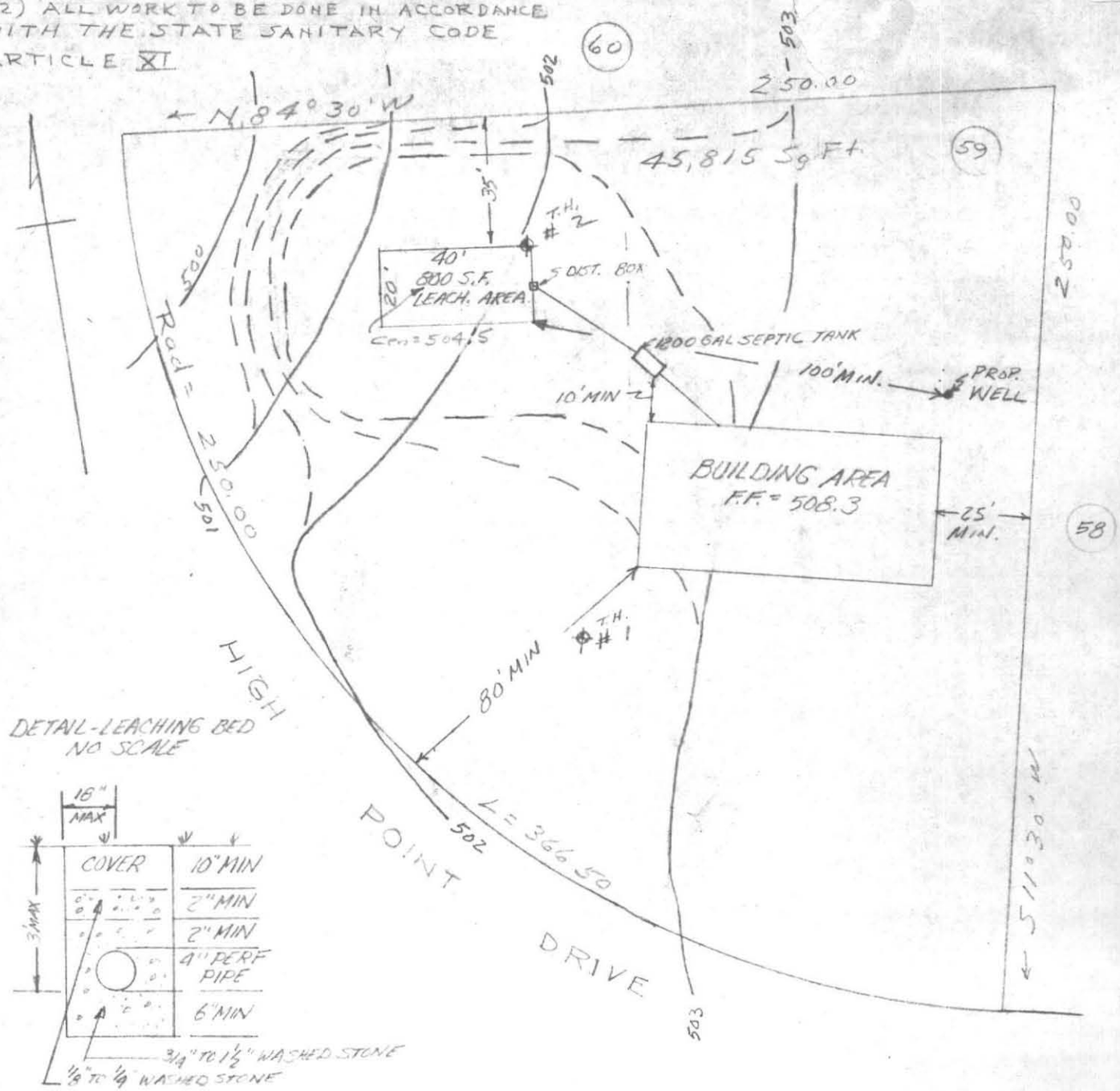
as shown on the application for Disposal Works Construction Permit No. _____

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 MAY 30, 1973

C.E. [illegible]
Board of Health

NOTES: (1) PERF. PIPE TO BE 6' C-C STATE MAX
(2) ALL WORK TO BE DONE IN ACCORDANCE WITH THE STATE SANITARY CODE ARTICLE XI



DETAIL-LEACHING BED
NO SCALE

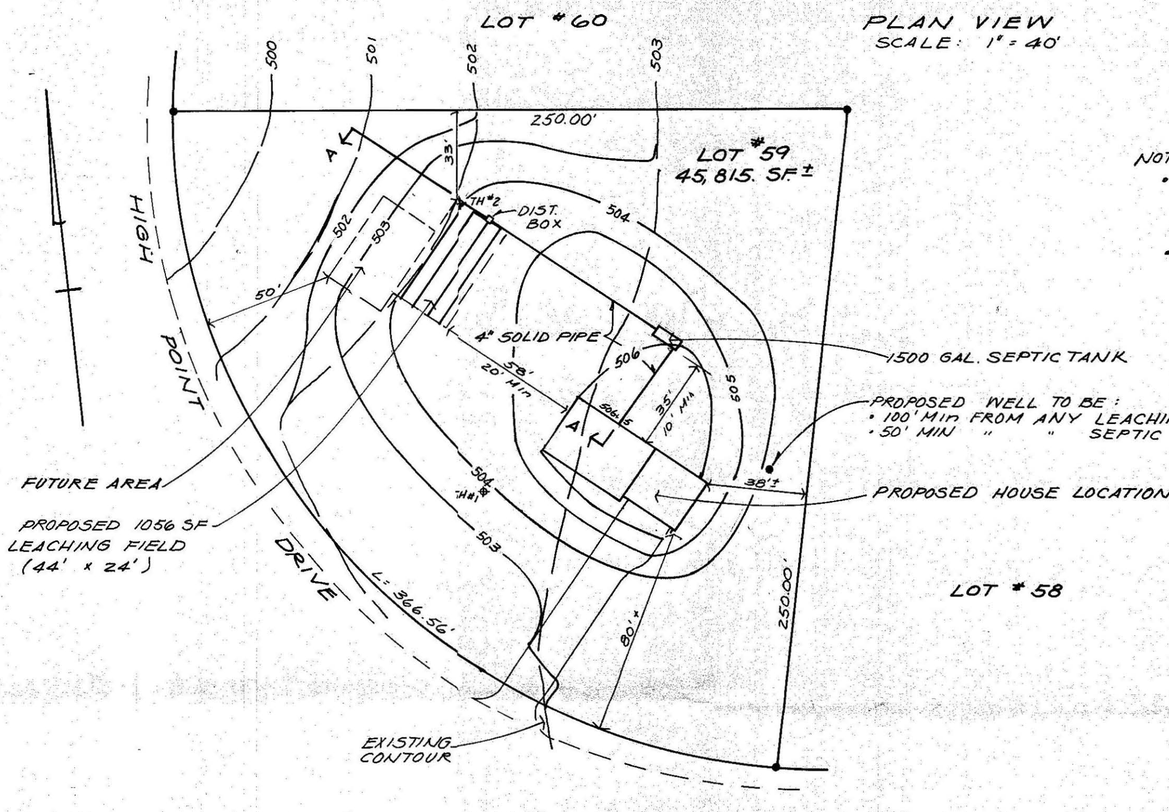
PLAN OF PROPOSED
SEWAGE DISPOSAL FIELD
AMHERST, MASS
PREPARED FOR
ROY INDUSTRIES INC

SCALE 1" = 40'

5-15-73 EAP & L.B.

COMMONWEALTH of MASSACHUSETTS
ALMER M. HUNTLEY, JR
9419
REGISTERED PROFESSIONAL ENGINEER

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



NOTE:
- FILL FOR LEACHING AREA TO COMPLY WITH SECTION 2.17 - CONSTRUCTION IN FILL, TITLE 5, STATE SANITARY CODE. (SEE ATTACHED SHEET)
- TOPOGRAPHY IS NOT A RESULT OF A FIELD SURVEY BY THIS OFFICE.

OBSERVATION PIT #2

DATE: 4·19·73

EL: 502.0	OTS	4"
	SILT & GRAVEL	1'-6"
6'-6"	SAND & GRAVEL	
EL: 495.5		

GROUNDWATER = 4'-0"
PERC. RATE = 7.3 min/inch

OBSERVATION PIT #1

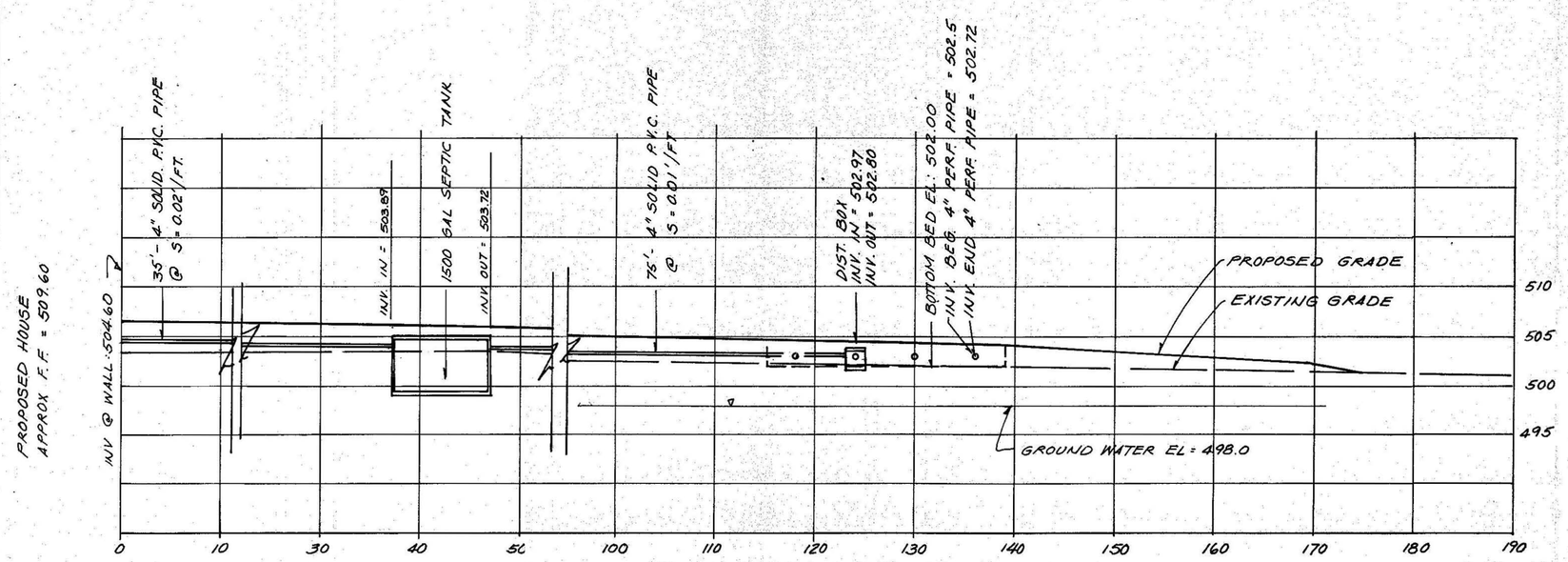
DATE: 4·19·73

	OTS	6"
	SILT	2'-6"
	TILL	1'-0"
7'-0"	V.F. SAND W/COBBLES	

GROUNDWATER = 2'-9"
PERC. RATE = —

501 — — — — EXISTING CONTOUR
501 ——— PROPOSED CONTOUR

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



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

PLAN OF PROPOSED SEWAGE DISPOSAL SYSTEM FOR LOT #59, HIGH POINT DRIVE, AMHERST, MASS.
PREPARED FOR
RESS BUILDING CORP., L.T.D.

FIELD WORK:	
COMPUTATIONS:	RPB
DRAFTING:	RPB
CHECKED:	AMH
SCALE:	AS NOTED
DATE:	5·18·83

ALMER M. HUNTLEY, JR. No. 9415 REGISTERED PROFESSIONAL ENGINEER COMMONWEALTH OF MASSACHUSETTS

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

SHEET: OF:

BRUNING 44-132 51838