

Snow Hill

No. 94-18

CH# 2314

FEE 60

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 (X) an Individual Sewage Disposal System at:

96 Sand Hill Rd (101 State St.)

1A

Geert DeVries
Location - Address
Owner

101 State St, Amherst MA 01002
or Lot No.
Address

Type of Building

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

Other — Type of Building _____ No. of persons _____ Showers () — Cafeteria ()

Other fixtures _____

Design Flow 55 gallons per person per day. Total daily flow 440 x 1.25 = 550 gallons.

Septic Tank — Liquid capacity 1000 gallons Length 8.5 Width 5.0 Diameter _____ Depth 4.0

Disposal Trench — No. _____ Width 11.0 Total Length 23.0 Total leaching area 136 sq. ft. side

Seepage Pit No. 1 Diameter _____ Depth below inlet 2.0 Total leaching area 253 sq. ft. bottom

Other Distribution box () Dosing tank ()

Percolation Test Results Performed by Almer Huntley + Assoc. Date 1/17/86

Test Pit No. 1 2 minutes per inch Depth of Test Pit 8 Depth to ground water None

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

Description of Soil sand

Nature of Repairs or Alterations — Answer when applicable Replace existing leach to allow house addition

Agreement:

The undersigned agrees to install the aforescribed Individual Sewage Disposal System in accordance with the provisions of TITLE 5 of the State Environmental 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.

Application Approved By [Signature] Signed _____ Date July 27, 1994

Application Disapproved for the following reasons: _____

Permit No. 94-18 Issued 9/21/94 Date

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 (X) by _____

at 96 Sand Hill Rd (101 State St.)

has been installed in accordance with the provisions of TITLE 5 of The State Environmental Code as described in the application for Disposal Works Construction Permit No. 94-18 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

Town OF Amherst

Disposal Works Construction Permit

Permission is hereby granted Geert DeVries

to Construct () or Repair (X) an Individual Sewage Disposal System

at No. 96 Sand Hill Rd (101 State St.)

as shown on the application for Disposal Works Construction Permit No. 94-18 Dated 9/21/94

DATE 9/21/94 [Signature] Board of Health

CHECK OR FILL IN WHERE APPLICABLE

5419-6559

+ 1000

1000

1000

1000

(to state 101) 1011.00 9
1000

1000

to allow house abatement

1000

x

(to state 101) 1011.00 9

SYSTEM WILL BE...
DATE

1000

10 miles

PERC TEST DATA SHEET

CHK# 2314

DATE 9/22/94 LOCATION 96 Sand Hill Rd LOT SIZE _____

OWNER Geert-Lucie Deunies ADDRESS 101 State St TELE # 549-6559

P.E./RS Paul Filioi FIRM Filioi's Inc OBSERVED BY D Zampini

BACK HOE OPERATOR _____ TELE _____ BENCH MARK _____

PERC DEPTH _____ PRE SOAK TIME _____ PERC DEPTH _____ PRE SOAK TIME _____

TEST _____

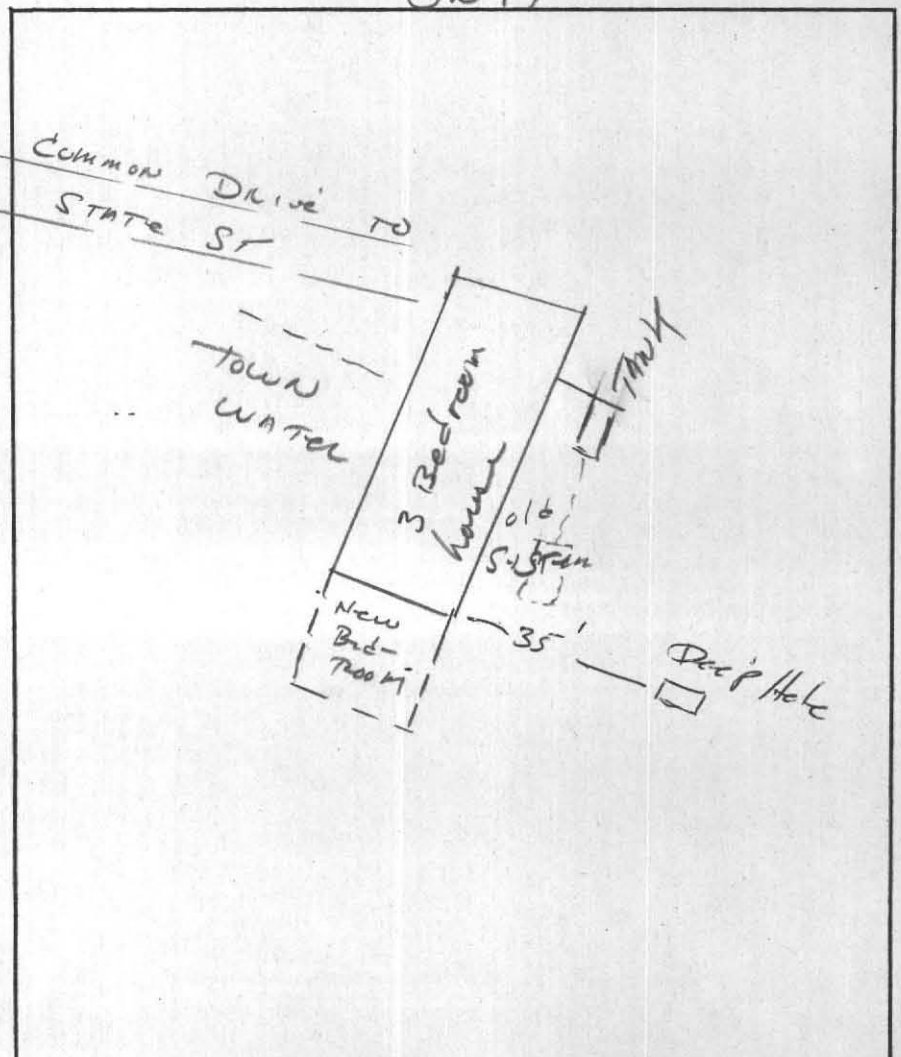
RATE _____ RATE _____

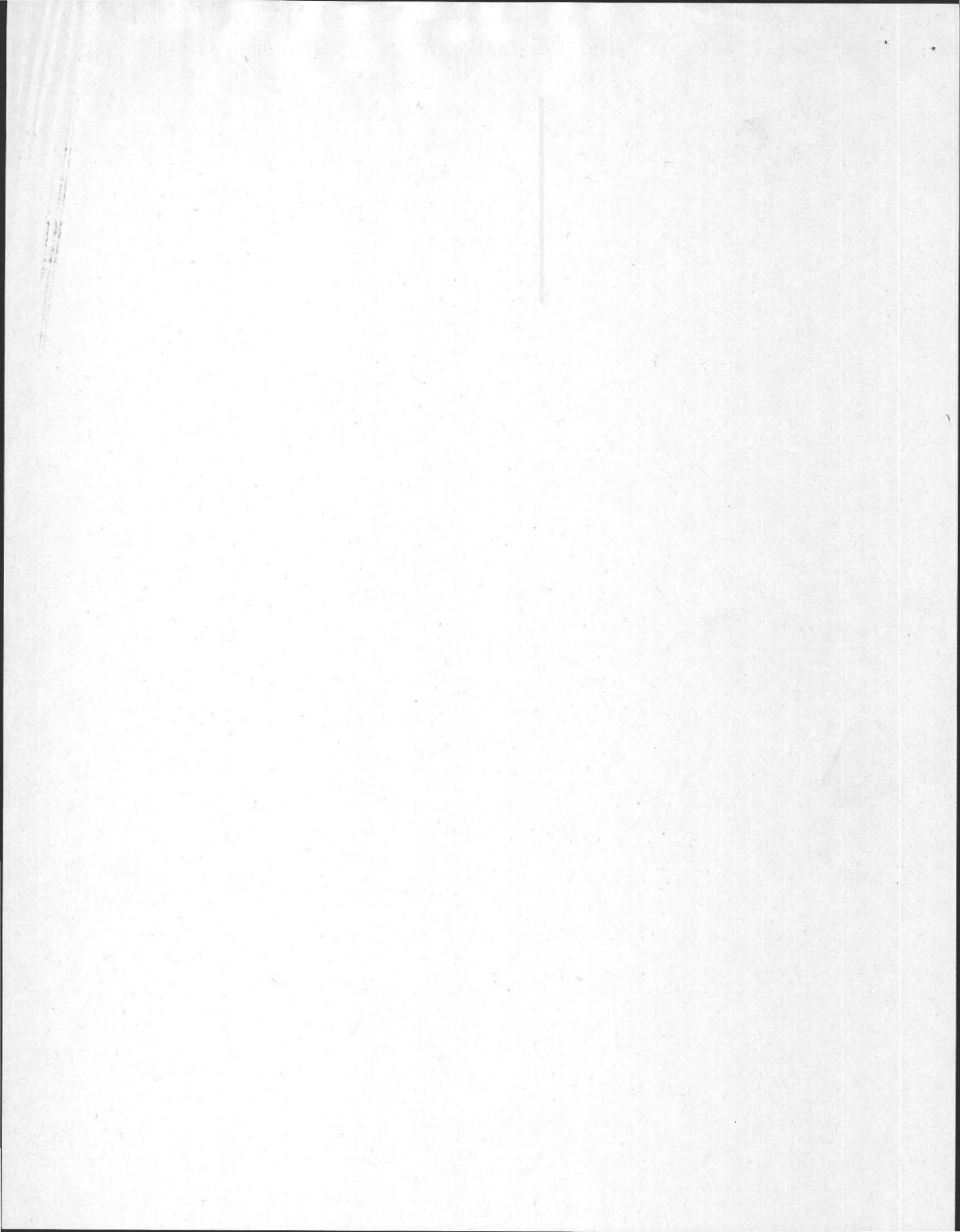
Deep Hole Dug for Perch ONLY

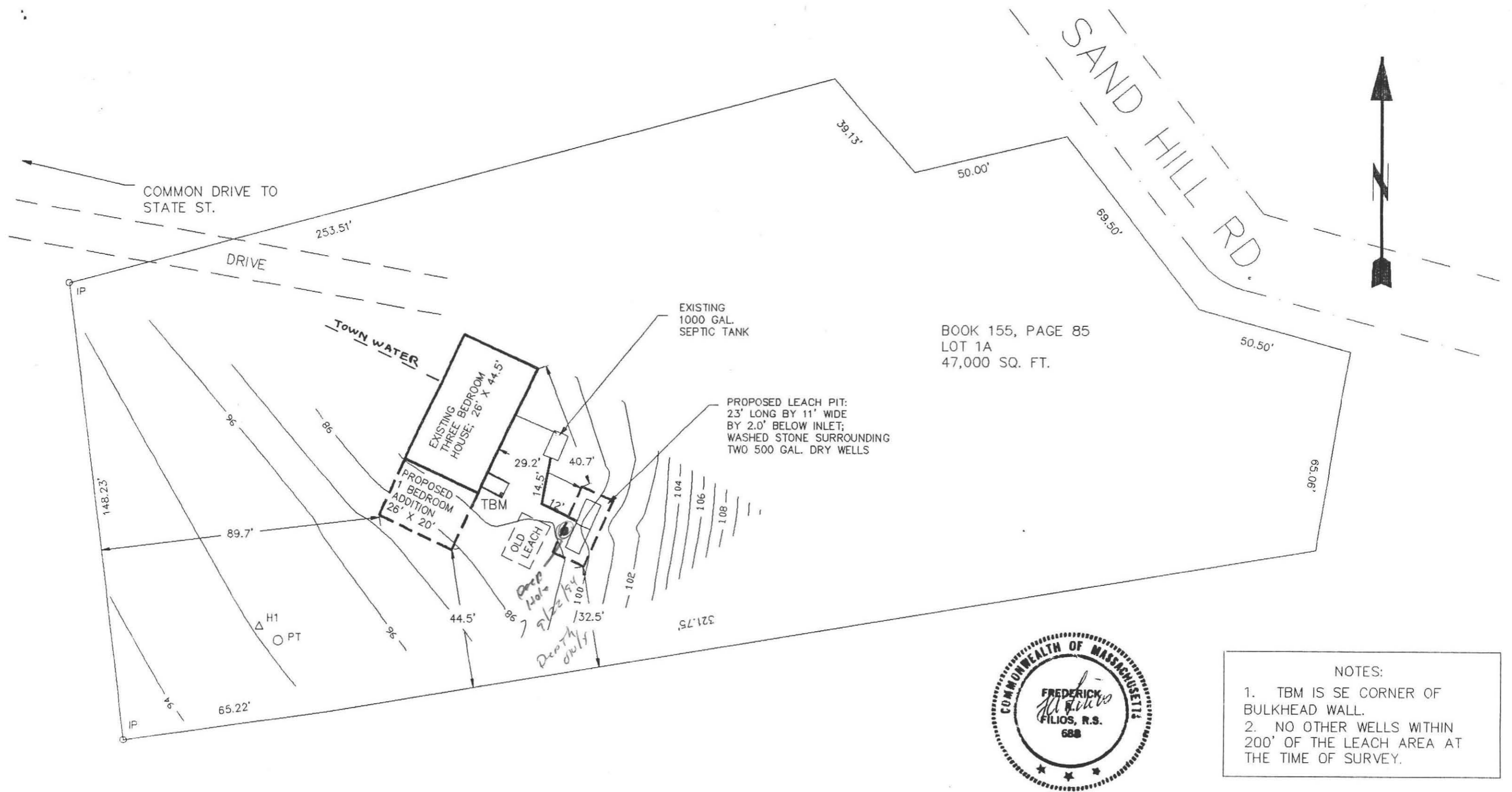
TOP 12	TOP
SUB 33	SUB
Sand + gravel 90" coarse	
Sand 131	

TOP	TOP
SUB	SUB

TOP	TOP
SUB	SUB







BOOK 155, PAGE 85
 LOT 1A
 47,000 SQ. FT.

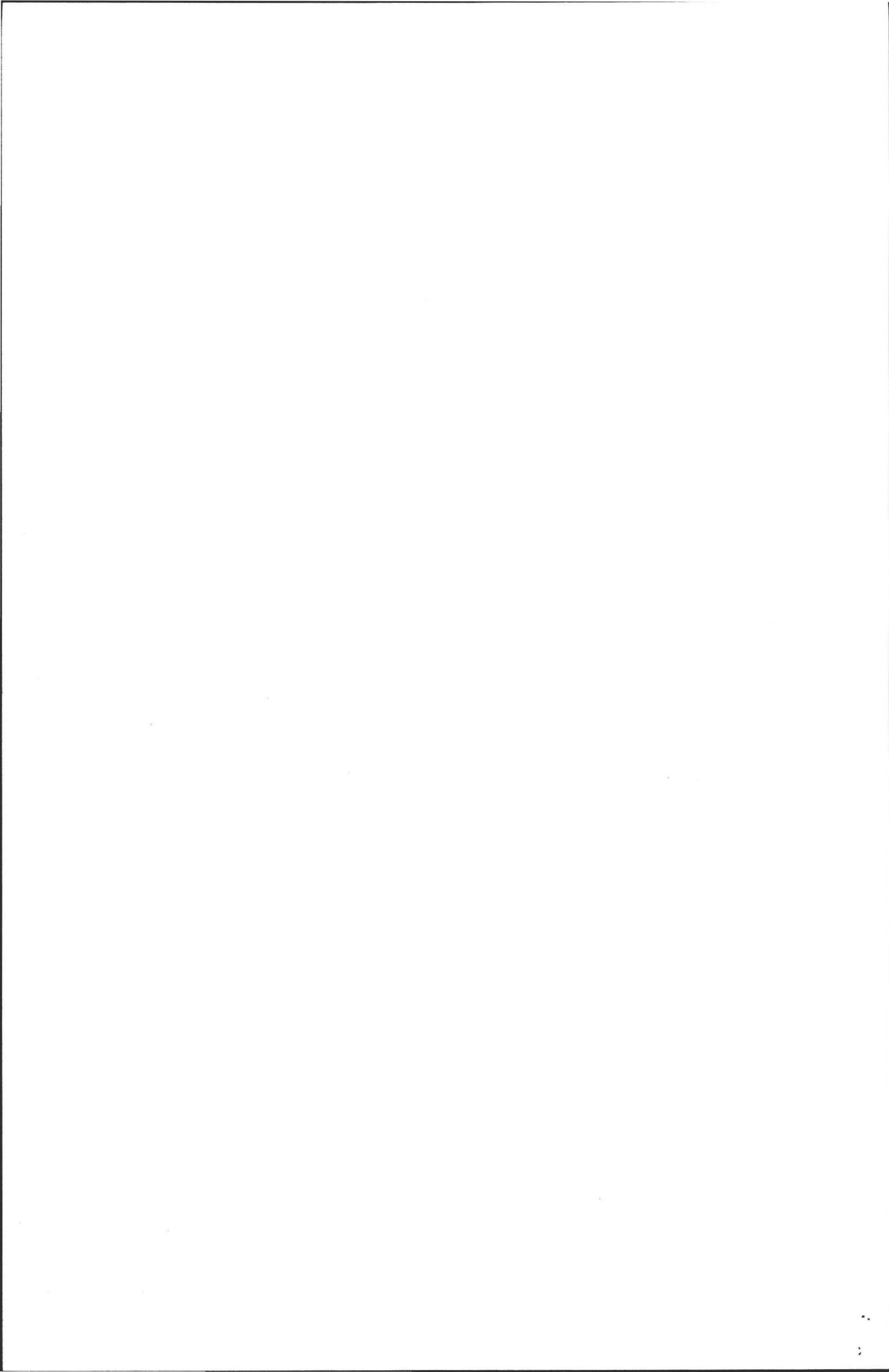
PROPOSED LEACH PIT:
 23' LONG BY 11' WIDE
 BY 2.0' BELOW INLET;
 WASHED STONE SURROUNDING
 TWO 500 GAL. DRY WELLS



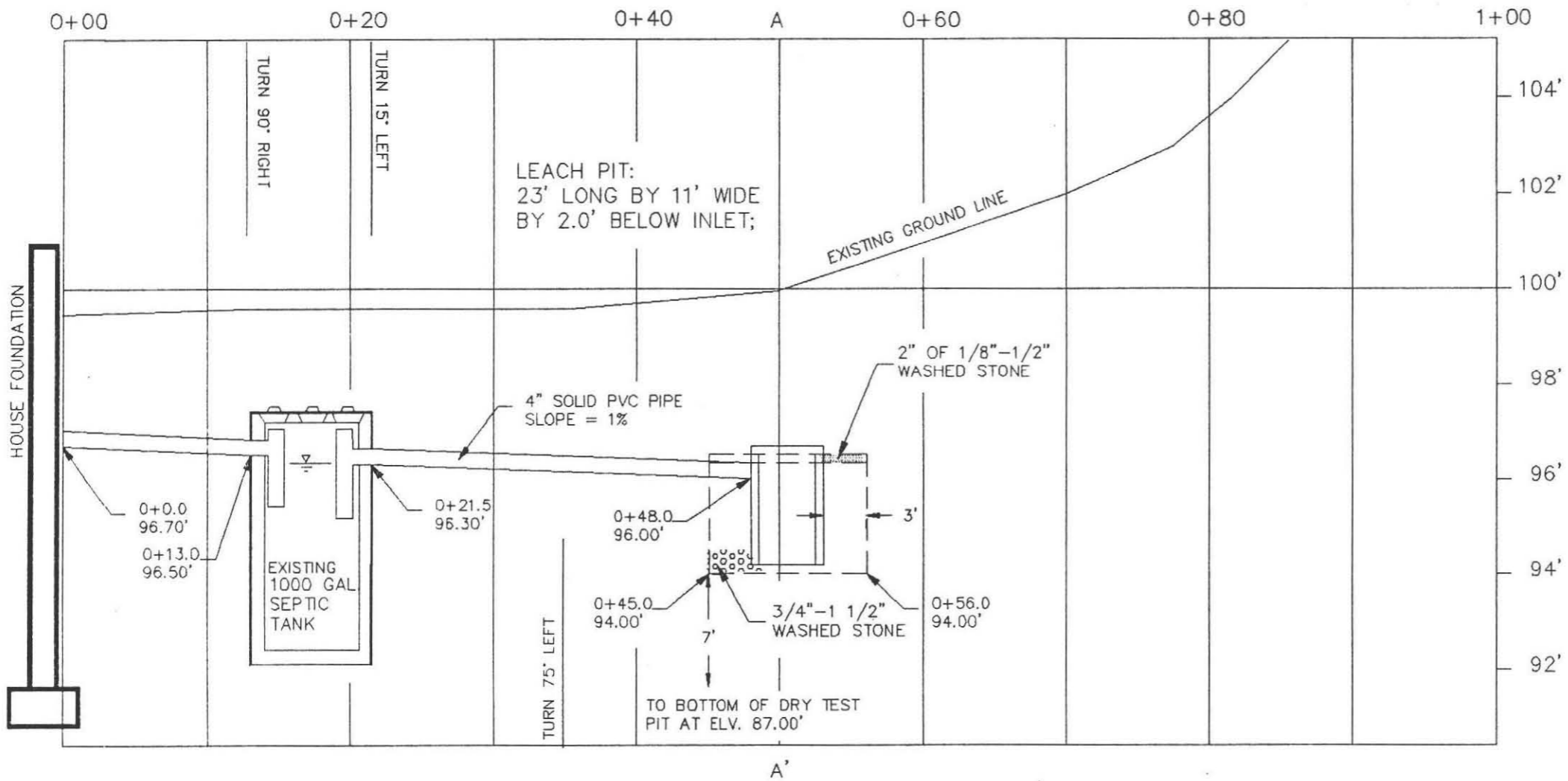
- NOTES:
1. TBM IS SE CORNER OF BULKHEAD WALL.
 2. NO OTHER WELLS WITHIN 200' OF THE LEACH AREA AT THE TIME OF SURVEY.

LEGEND	
○	PT PERCOLATION TEST
△	Hx DEEP TEST PIT
~~~~~	CONTOUR LINES (1' INTERVAL)

PLAN OF SEWAGE DISPOSAL SYSTEM	
LOT #1A, SAND HILL DR. (STATE ST.), AMHERST, MA	
BY: FILIOS ENTERPRISES, INC. 69 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: GEERT DEVRIES 101 STATE ST. AMHERST, MA 01002
DRAWN BY: P. FILIOS	SCALE: 1" = 30'
15 JULY, 1994	PAGE 1 OF 2





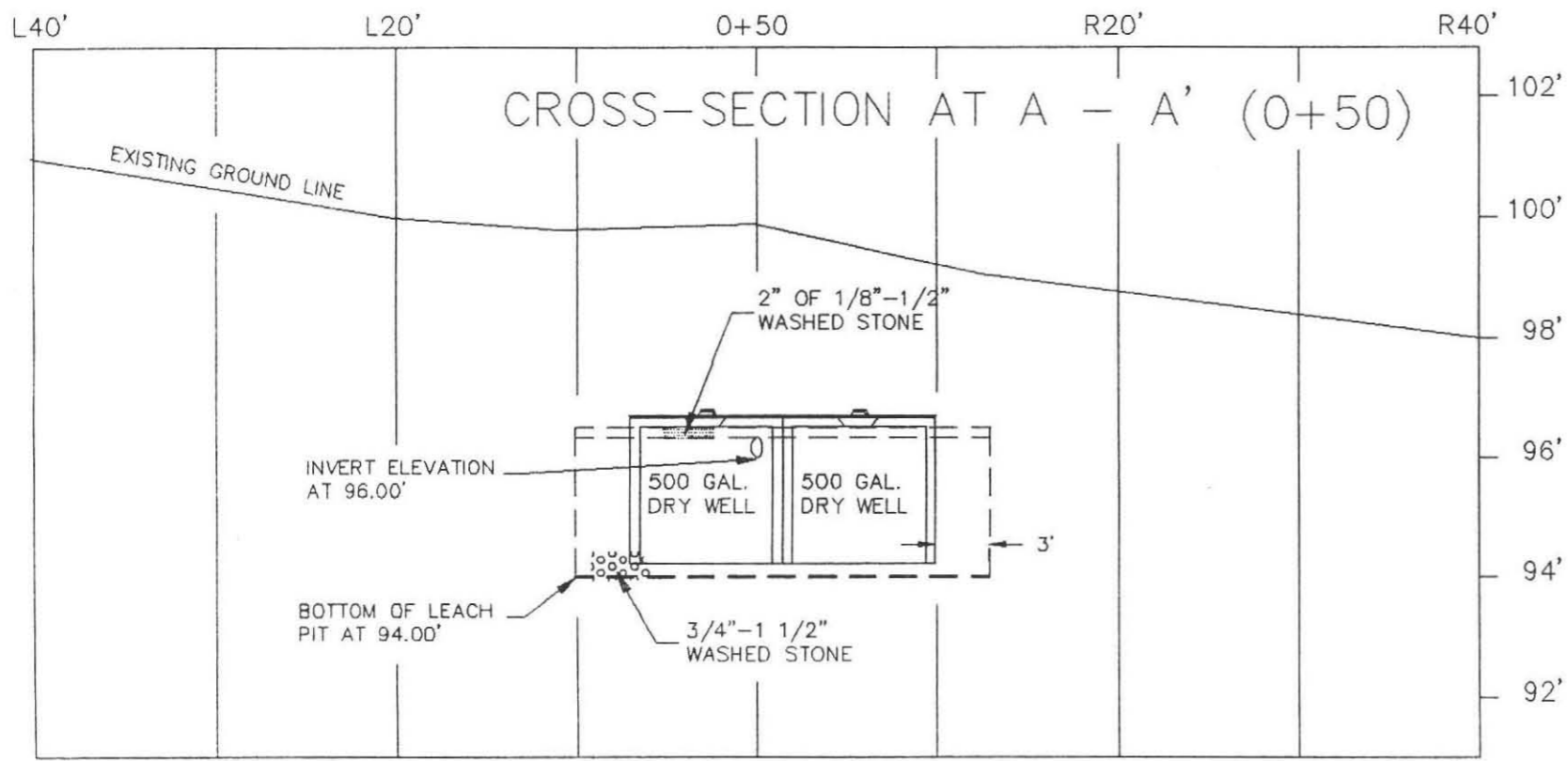


100' Elevation Assumed at TBM. TBM is SE corner of bulkhead wall as shown on Plan view.

**SPECIFICATIONS**  
 ALL MATERIALS AND CONSTRUCTION MUST BE IN ACCORDANCE WITH COMMONWEALTH OF MASSACHUSETTS DEPT. OF ENVIRONMENTAL PROTECTION STATE ENVIRONMENTAL CODE TITLE 5.

**Construction Notes**

1. Septic tank should be inspected and pumped annually.
2. Inlet and outlet tees must extend 10" and 14" below the flow line respectively.



**CALCULATIONS**

REQUIRED: For a 4 bedroom house without a garbage grinder a capacity of 440 gal./day X 1.25 = 550 gal./day.

DESIGNED: 1 leach pit 23.0'L X 11.0'W X 2.00' below inlet (effective depth), for a perc rate of 2 min./in., yielding side and bottom loading factors of 2.50 and 1.00 gal./sq.ft. respectively.

SIDEWALL: (23.0' + 11.0')2 X 2.0' X 2.50 Gal./Sq.ft. = 340.0 Gal.  
 BOTTOM: (23.0' X 11.0')1.00 Gal./Sq.ft. = 253.0 Gal.  
 TOTAL = 593.0 Gal.



PROFILE OF SEWAGE DISPOSAL SYSTEM	
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DRAWN BY: P. FILIOS 18 JULY, 1994	SCALE: 1" = 10' HOR. 3' VER. PAGE 2 OF 2

