

No. 91-20

FEE 160.00
C12585

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:

8 Trillium Way Lot 71
Location - Address or Lot No.
Richard Michelson 8 Trillium Way Amherst
Address
Richard Roberts Owner
Installer Address

Type of Building Dwelling No. of Bedrooms 5 Expansion Attic () Garbage Grinder ()
Other — Type of Building _____ No. of persons 10 Showers () — Cafeteria ()
Other fixtures _____

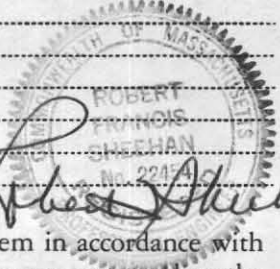
Design Flow 55 gallons per person per day. Total daily flow 550 (687.5) gallons.
Septic Tank — Liquid capacity Existing gallons Length _____ Width _____ Diameter _____ Depth _____
Disposal Trench — No. 3 Width 36" Total Length 150 Total leaching area 450 sq. ft.
Seepage Pit No. N/A Diameter _____ Depth below inlet _____ Total leaching area 159 sq. ft.

Other Distribution box () Dosing tank ()
Percolation Test Results Performed by Lewis & Cook Surveyors, Inc. Date Nov. 8, 1991
Test Pit No. 1 2.0 minutes per inch Depth of Test Pit 51" Depth to ground water 78"
Test Pit No. 2 _____ minutes per inch Depth of Test Pit _____ Depth to ground water _____

Description of Soil See Attached sheets

Nature of Repairs or Alterations — Answer when applicable _____

Agreement: Insp. Dave Zarozinski Robert Sheehan
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.
Signed R. Michelson Date 11/15/91



Application Approved By _____ Date _____

Application Disapproved for the following reasons: _____

Permit No. 91-20 Issued 11/15/91 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 () by _____

at 8 Trillium Way Installer
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. 91-20 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

No. 91-20

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11/15/91

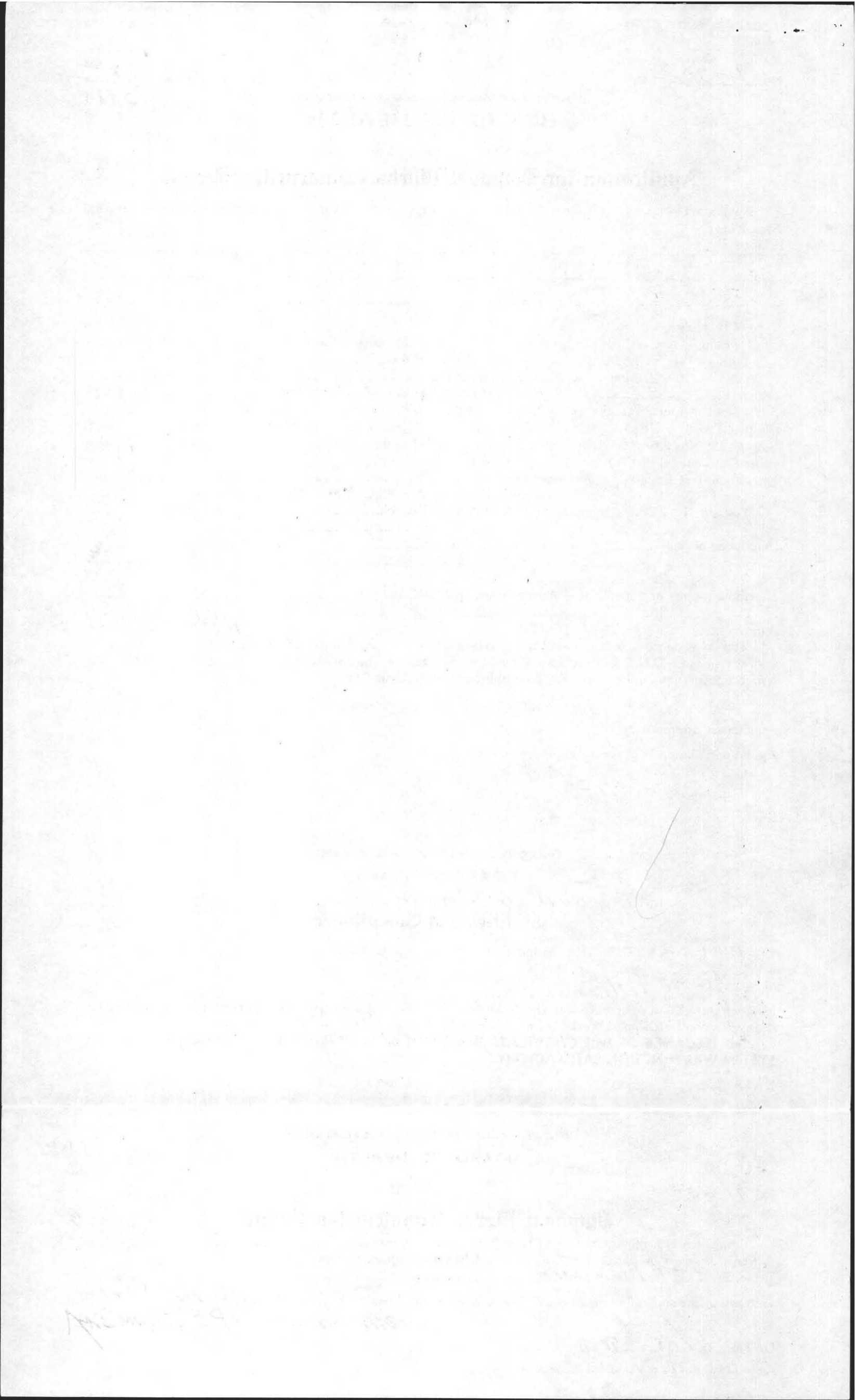
Disposal Works Construction Permit

Permission is hereby granted Richard Michelson
to Construct () or Repair () an Individual Sewage Disposal System
at No. 8 Trillium Way Street

as shown on the application for Disposal Works Construction Permit No. 91-20 Dated 11/15/91

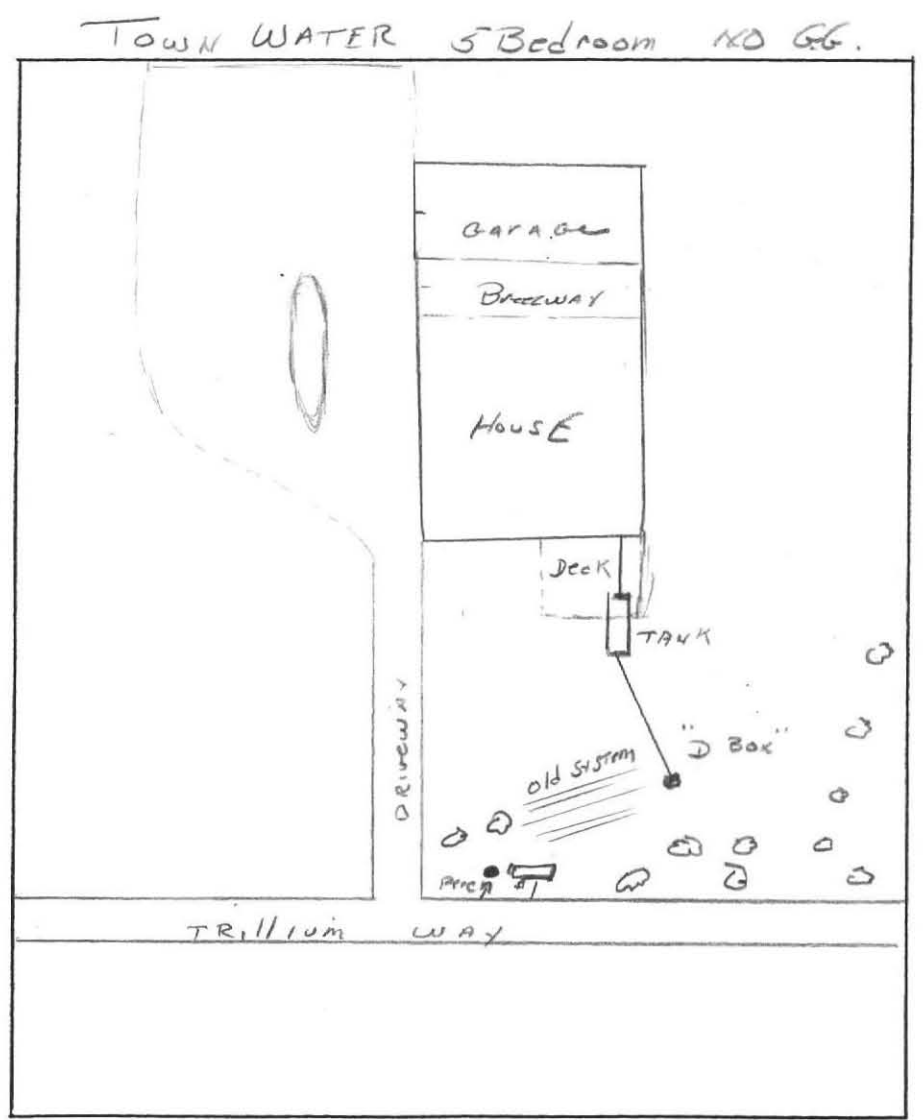
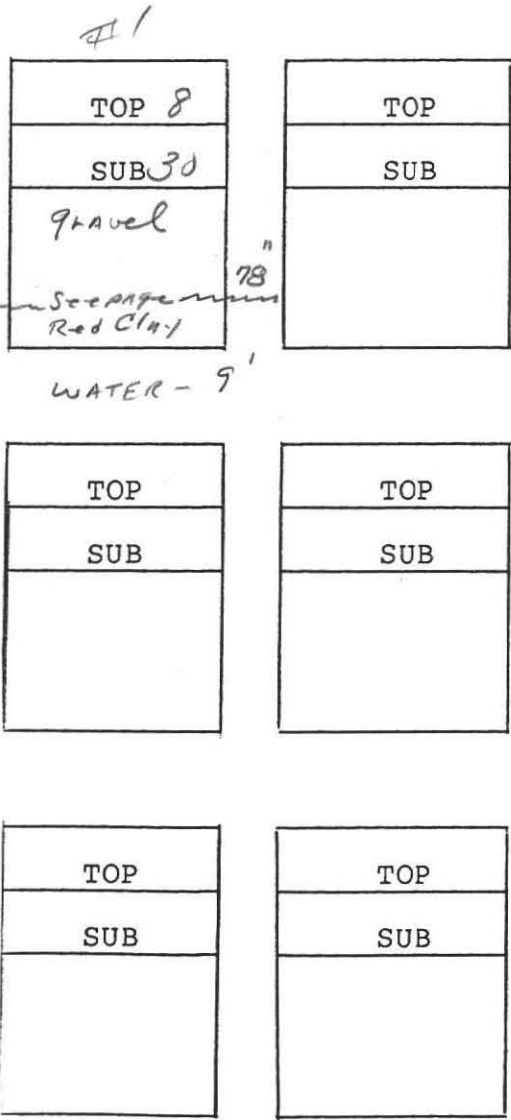
DATE 11/15/91 _____ Board of Health

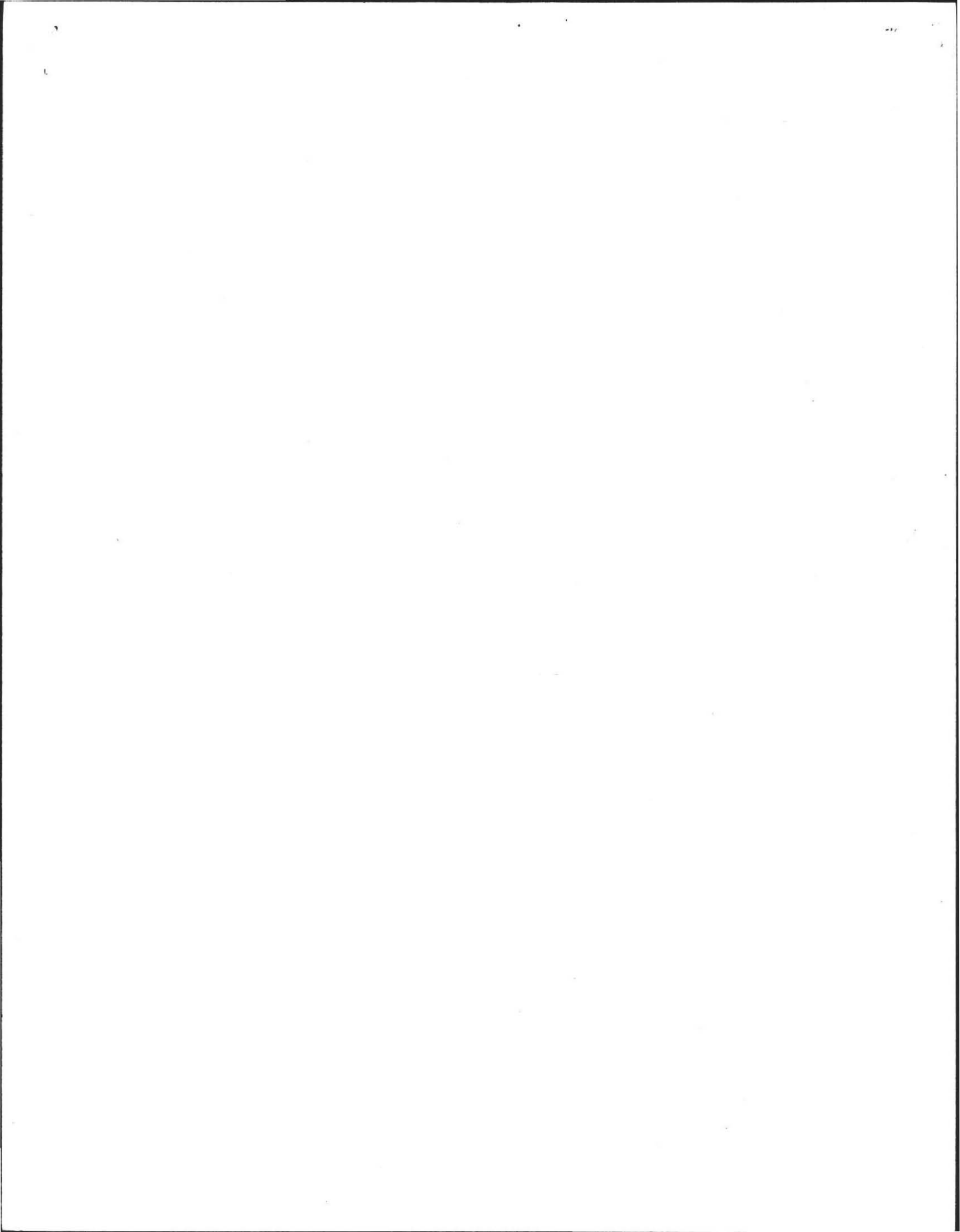
CHECK OR FILL IN WHERE APPLICABLE



PERC TEST DATA SHEET

DATE 11/8/91 LOCATION 8 Trillium Way LOT SIZE 34,500 Sq Ft
 OWNER Richard/Jennifer Michelson ADDRESS 8 Trillium Way TELE # _____
 P.E./RS Richard Lewis FIRM Lewis + Cook OBSERVED BY David Zarozinski
 BACK HOE OPERATOR Richard Roberts BENCH MARK _____
 PERC DEPTH 51" PRE SOAK TIME 11:32-11:47 PERC DEPTH _____ PRE SOAK TIME _____
 TEST 11:47 12" 8" 11:53 _____
11:48 11" 7" 11:55 _____
11:50 10" 6" 11:57 _____
11:51 9" _____
 RATE (2) RATE _____





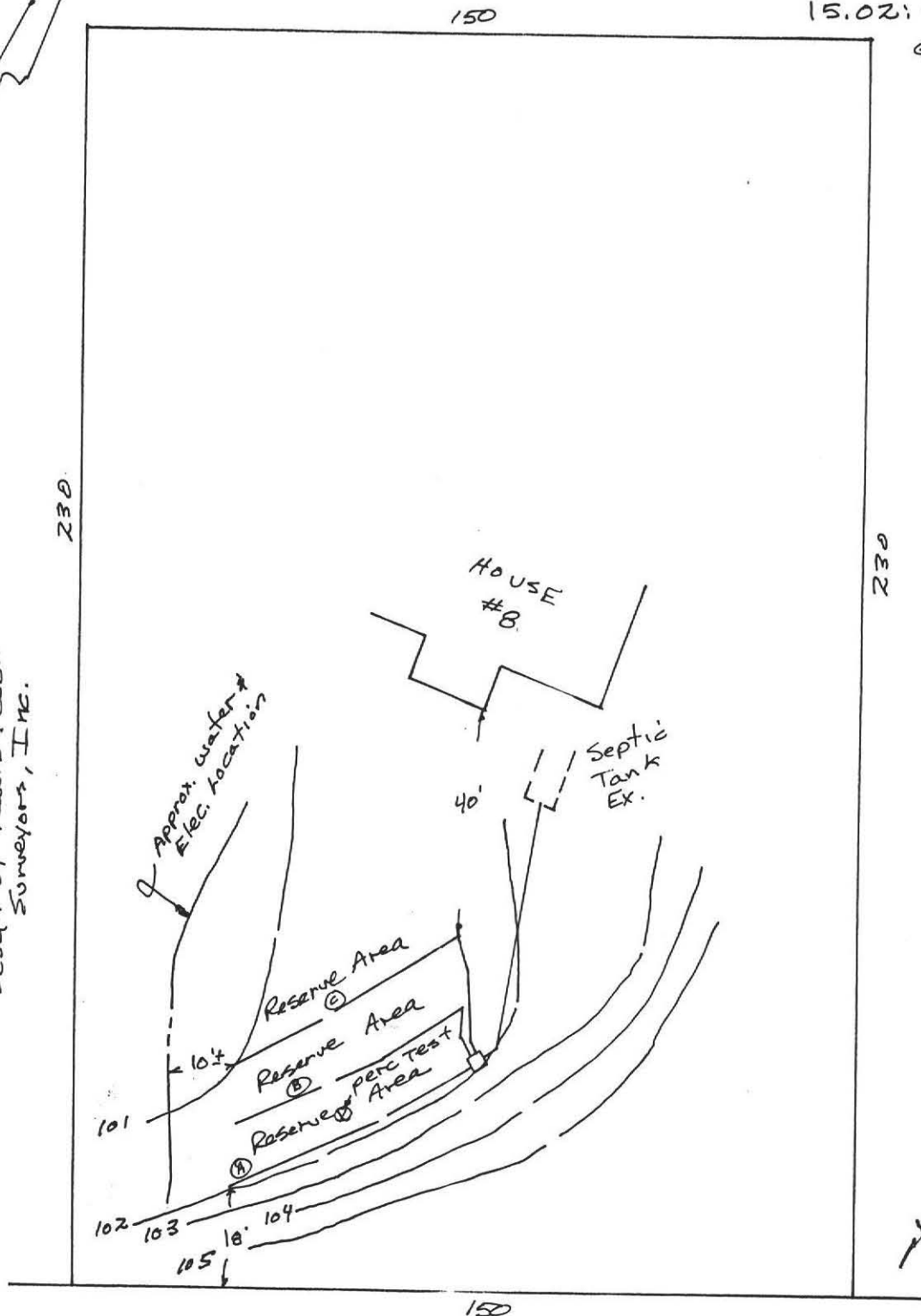
SCALE 1" = 30'

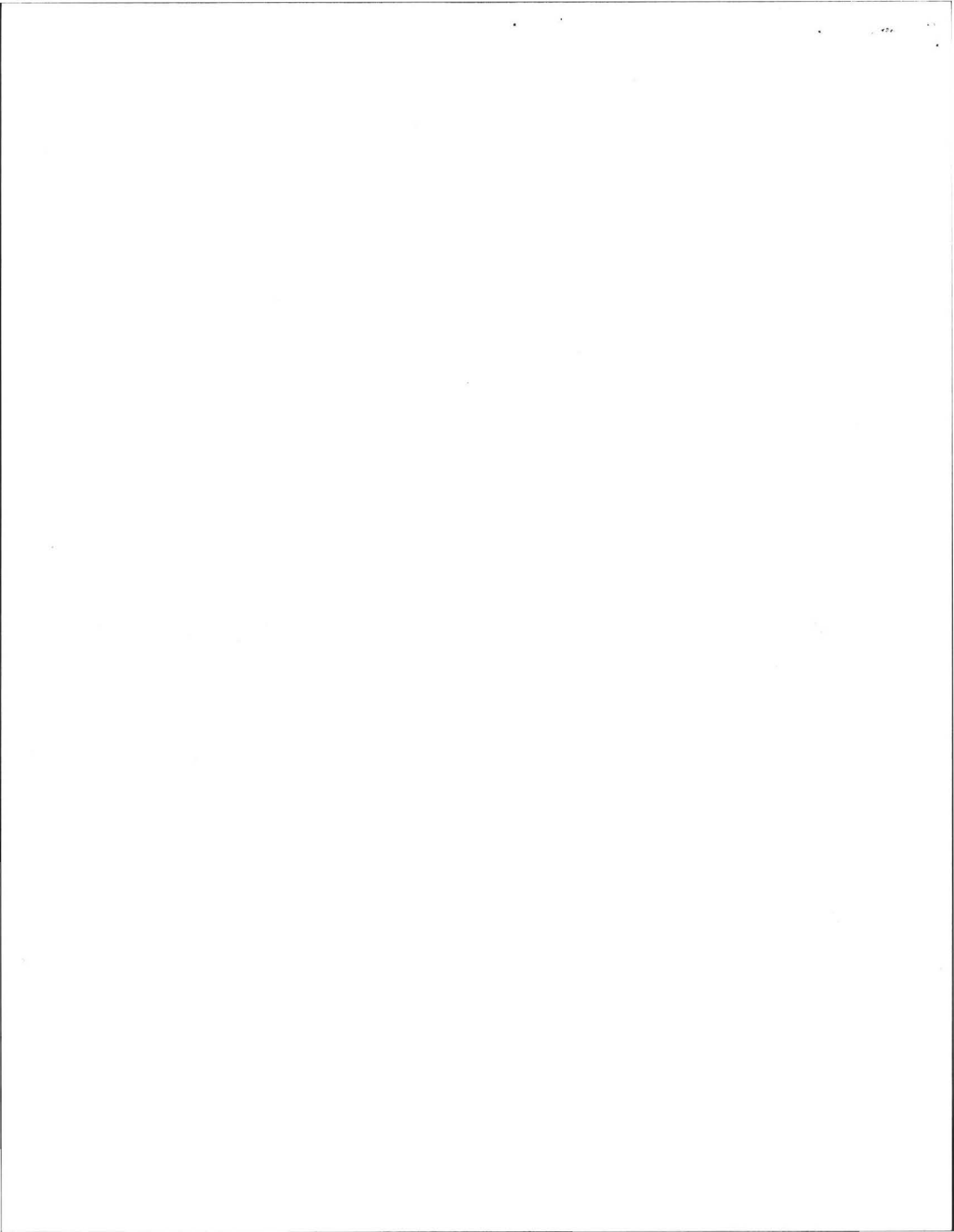
EXISTING CONTOURS

ALL LOAM, SUBSOIL, TREES
AND OLD SYSTEM TO BE
REMOVED WITHIN 10' OF
PROPOSED SYSTEM. SEE
15.02:17 TITLE 5, CLEAN
GRAVEL BACKFILL.

TOWN WATER

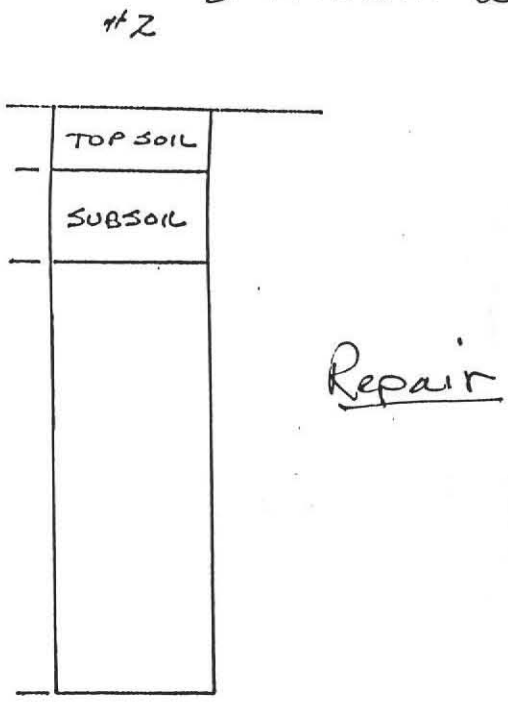
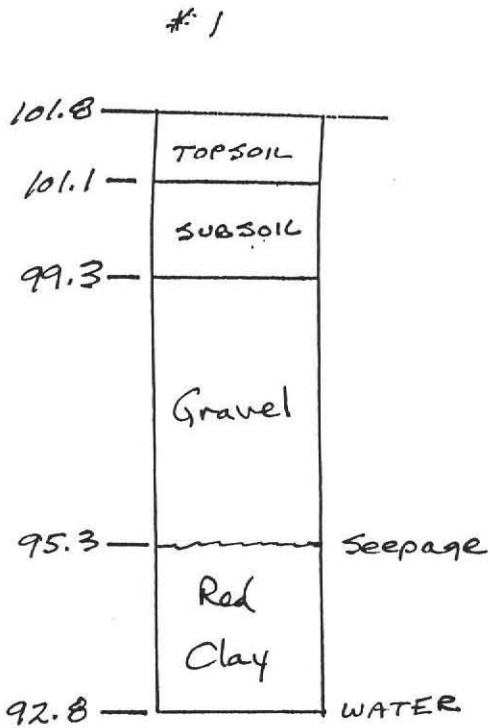
Design by Lewis & Cook
Surveyors, INC.





DEEP TEST HOLES

LOT 71 Pg. 3
8 Trillium Way



CALCULATIONS

BOTTOM AREA (NOT ALLOWED OVER 20.0 mm/in) 2.0 min/in = 1.0 gal./sq.ft.

$50' \times 3' \times 3 \text{ lines} = 450 \text{ sq.ft.} \times 1.0 \text{ gal./sq.ft.} = 450 \text{ gal.}$

SIDEWALL AREA (NOT ALLOWED IN LEACHING FIELDS)

2.0 min/in = 2.5 gal./sq.ft.

$50' \times \frac{1}{2}' \times 2 \text{ sides} \times 3 \text{ lines} = 150 \text{ sq.ft.}$

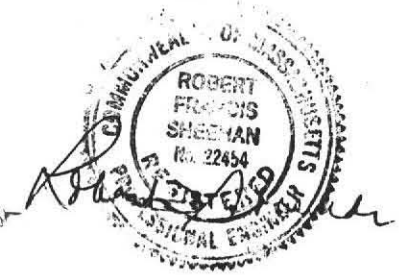
$3' \times \frac{1}{2}' \times 2 \text{ ends} \times 3 \text{ lines} = 9 \text{ sq.ft.}$

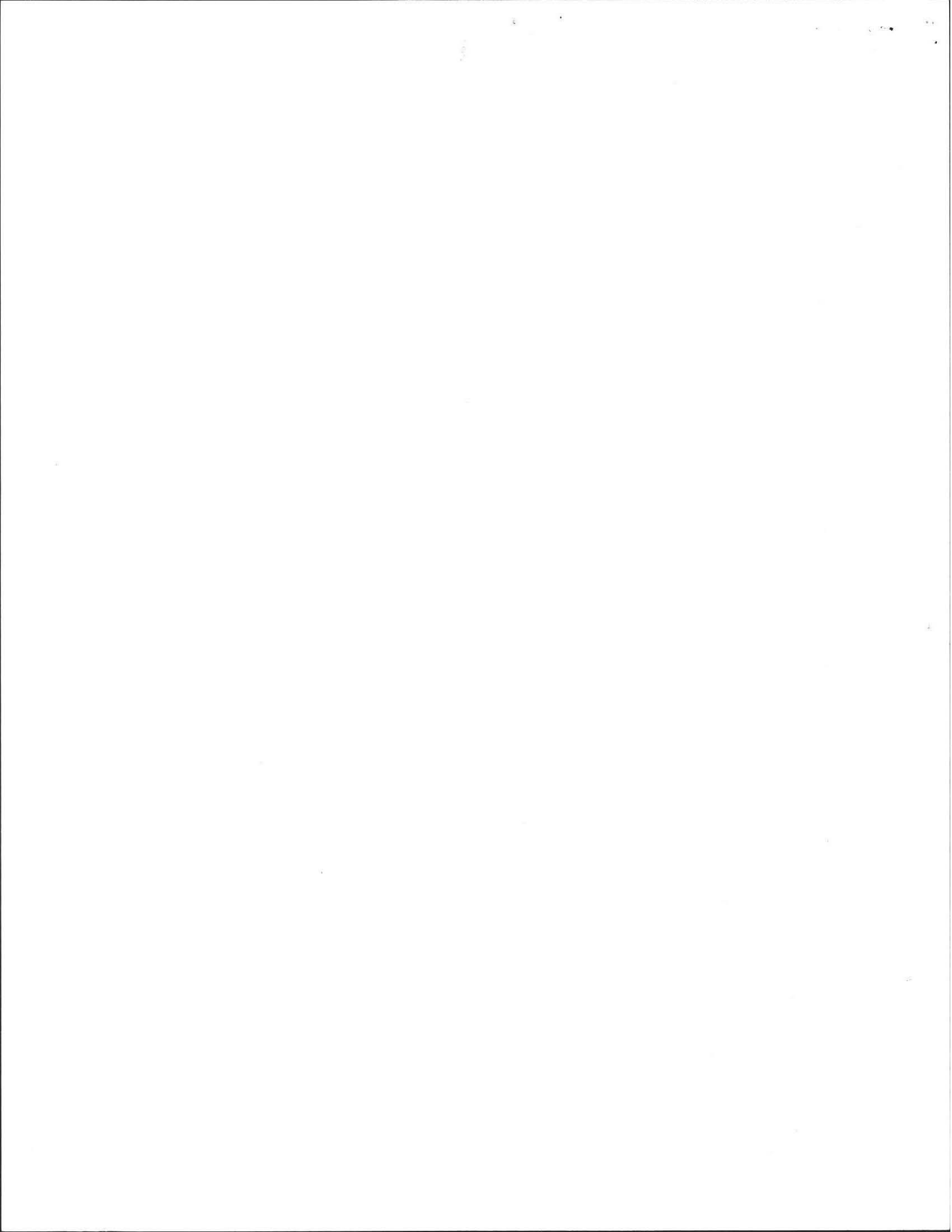
$159 \text{ sq.ft.} \times 2.5 \text{ gal./sq.ft.} = 397.5 \text{ gal.}$

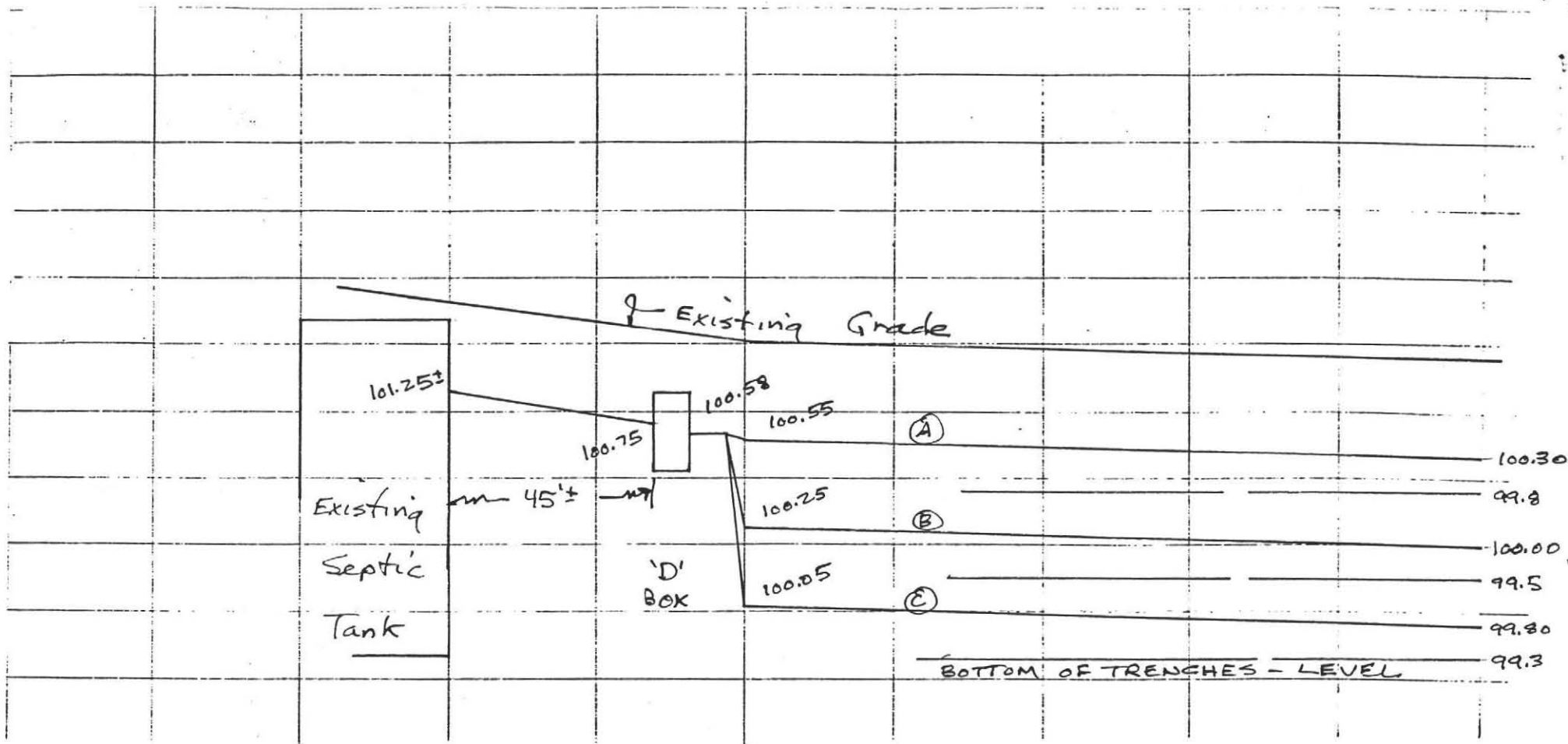
847.5 GAL.

AVAILABLE

687.5 GAL. REQUIRED ✓







NOTES:

1. SEPTIC TANK SHALL HAVE INLET AND OUTLET TEES (15.6; 8, 9 TITLE 5)
2. D-BOX SHALL HAVE 6" SUMP BELOW OUTLET INVERT (15.10:4 TITLE 5)
3. ACCESS MANHOLE TO SEPTIC TANK SHALL BE TO FINISH GRADE
4. SEPTIC TANKS SHOULD BE INSPECTED ANNUALLY
5. ELEVATIONS ARE TO INVERTS UNLESS NOTED (INSIDE BOTTOM OF PIPE)
6. D-BOX OUTLET PIPES SHALL BE LEVEL MIN. 2.0 FT. (SECT. 15.10:3 TITLE 5)
7. END CAPS ON PIPES

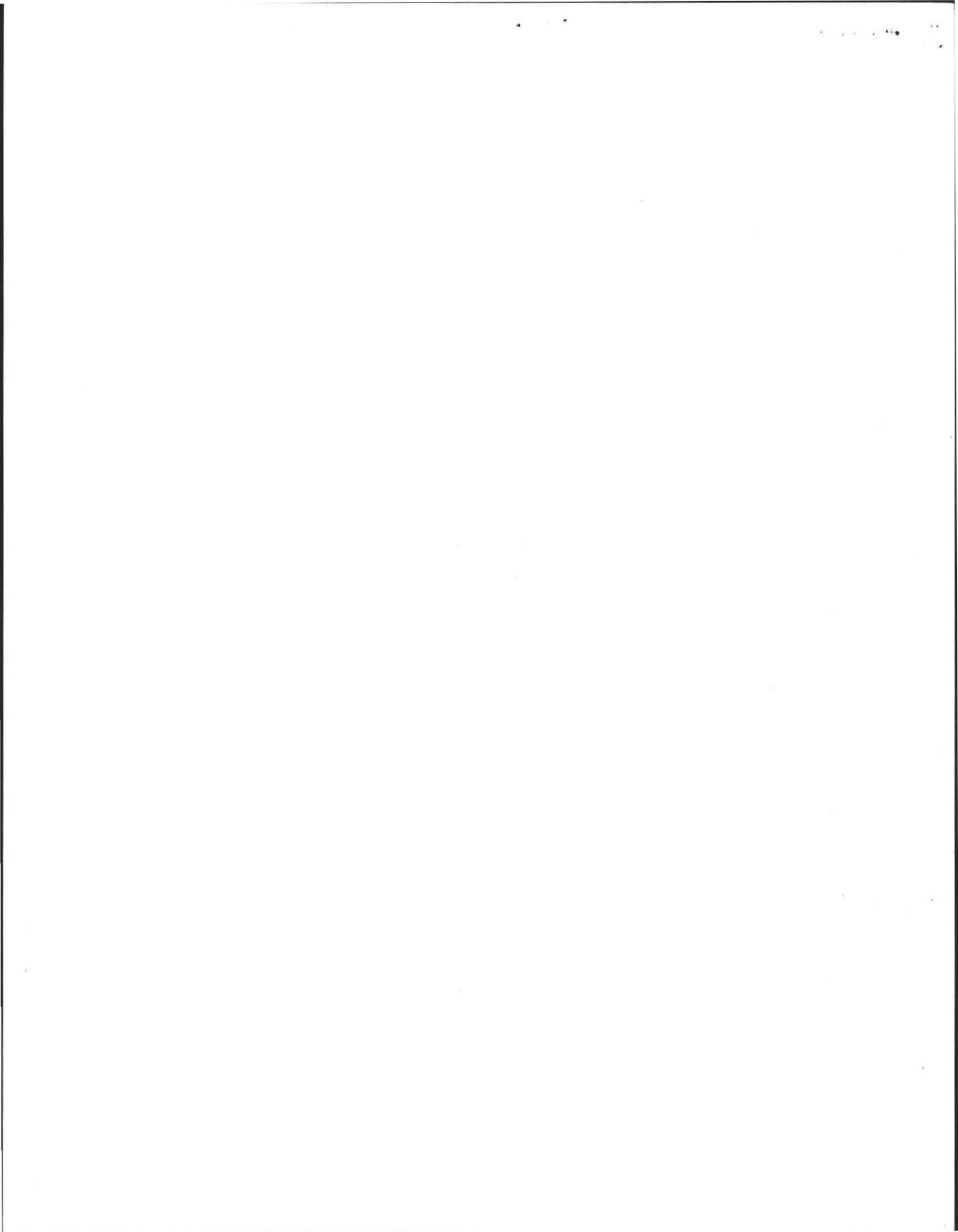
PROFILE OF SYSTEM

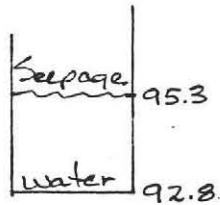
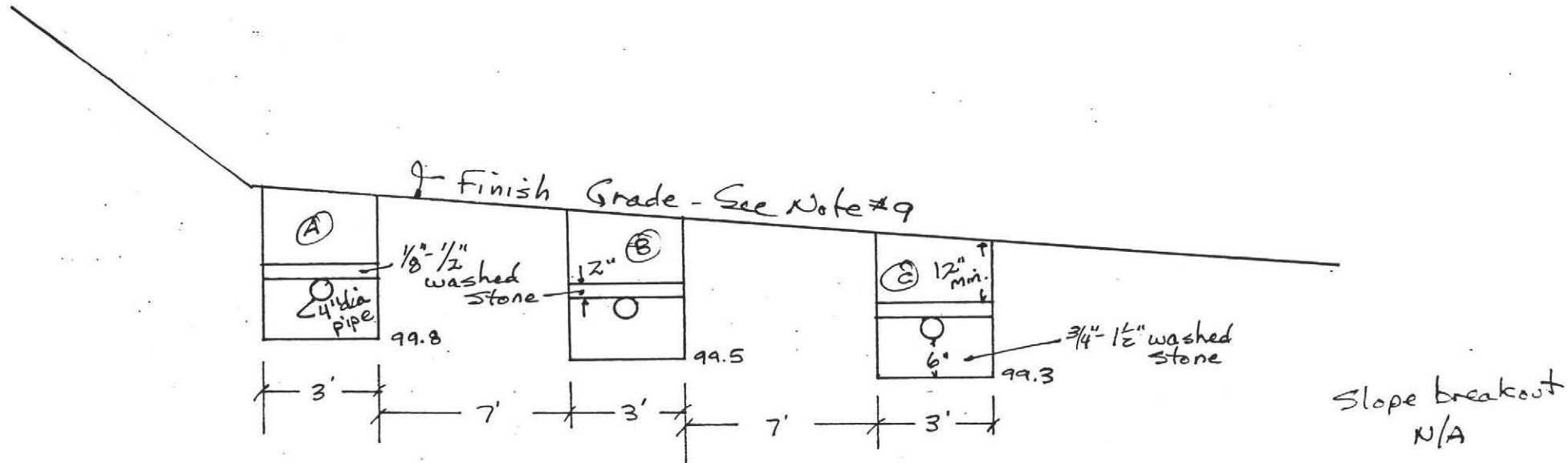
SCALE HORZ. 1" = 10'

VERT. 1" = 2'



LOT 71
 8 Trillion Way
 Pg. 4





Deep Hole #1

NOTES:

- ALL LOAM, SUBSOIL, AND OTHER IMPERVIOUS MATERIAL SHALL BE REMOVED WITHIN 10 FT. OF LEACHING FACILITY, SECT 15.02:17 TITLE 5
- FINISH GRADE ABOVE & ADJACENT TO SYSTEM SHALL SLOPE @ least 2% TO PREVENT ACCUMULATION OF SURFACE WATER.
- FILL SHALL HAVE PERC RATE OF 2.0 min/in. BEFORE AND AFTER PLACEMENT.

CROSSSECTION OF SYSTEM
NO SCALE



LOT 71
8 Trillion Way
Pg. 5

