

#320



LEWIS & COOK SURVEYORS, INC.

P. O. BOX 1196

BELCHERTOWN, MASSACHUSETTS 01007

RICHARD A. LEWIS, P.L.S.
PRESIDENT
413-323-7124

RICHARD L. COOK
TREASURER
413-283-7238

April 28, 1993

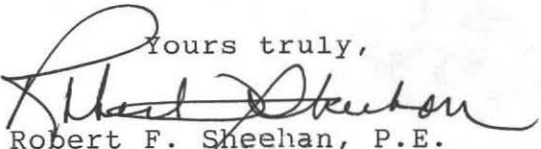
Board of Health
David Zarozinski
Boltwood Walk
Amherst, MA 01002

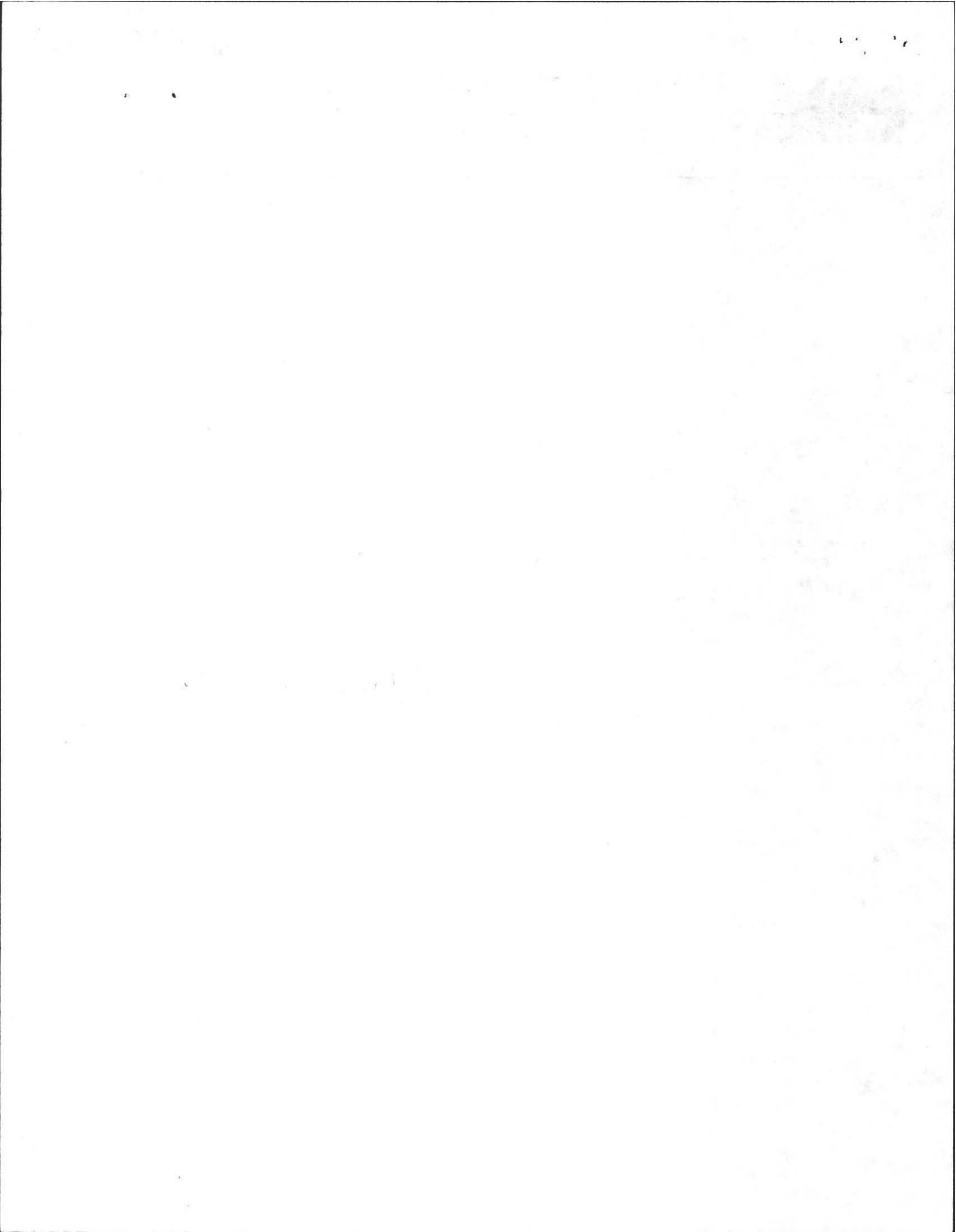
Dear Mr. Zarozinski,

I have inspected the subsurface sewage disposal system on Lot 3, Pulpit Hill Road, on April 15, 1993. Contractor Charles Walker.

I have found the system substantially constructed as designed.

Yours truly,


Robert F. Sheehan, P.E.



No. 92-22 Revised

FEE 30⁰⁰ Revised
11/19/92 ck
13936

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:

Location - Address Pulpit Hill Rd. 549-1403 or Lot No. Lot 3
Owner W D Cowls Address North Amherst, MA

Installer _____ Address _____
Type of Building _____ Size Lot 43,809± Sq. feet
Dwelling — No. of Bedrooms 4 Expansion Attic () Garbage Grinder (NO)
Other — Type of Building _____ No. of persons 8 Showers () — Cafeteria ()
Other fixtures _____

Design Flow 55 gallons per person per day. Total daily flow 440 (550) gallons.
Septic Tank — Liquid capacity 1500 gallons Length 120" Width 60" Diameter _____ Depth 48"
Disposal Trench — No. 4 Width 36" Total Length 120' Total leaching area 360 sq. ft.
Seepage Pit No. N/A Diameter _____ Depth below inlet 18" Total leaching area 396 sq. ft.
Other Distribution box (YES) _____ Dosing tank () _____
Percolation Test Results Performed by Fred Filios, RS Date April 11, 1986
Test Pit No. 1 100 minutes per inch Depth of Test Pit 51" Depth to ground water below 9'
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 Charles Drake Robert Francis 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 Borden W. Boyne W.D. Cowls (for) 11/20/92
Application Approved By James Smith PE (for administrative purposes only) Date 11/20/92

Application Disapproved for the following reasons: _____

Permit No. 92-22 Revised Issued _____ 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 (X) or Repaired () by _____ at Pulpit Hill Rd. Lot 3 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. 92-22 Revised dated _____

THE ISSUANCE OF THIS CERTIFICATE SHALL NOT BE CONSTRUED AS A GUARANTEE THAT THE SYSTEM WILL FUNCTION SATISFACTORY.

DATE 4/15/93 Inspector [Signature]

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town OF Amherst

Disposal Works Construction Permit

Permission is hereby granted W.D. Cowls Inc. to Construct (X) or Repair () an Individual Sewage Disposal System at No. Pulpit Hill Road

as shown on the application for Disposal Works Construction Permit No. 92-22 Dated _____

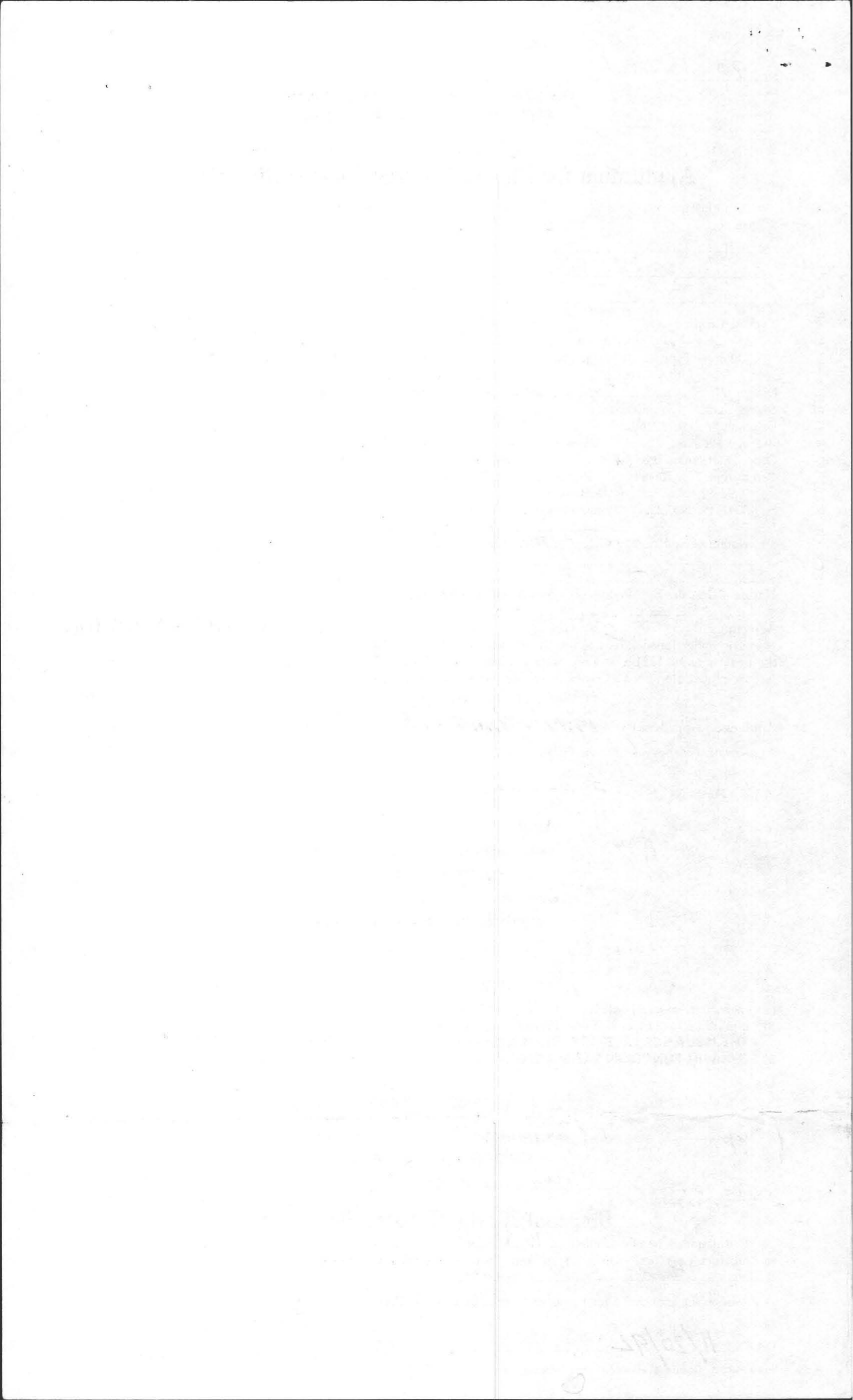
DATE 11/20/92 Board of Health James Smith PE (for administrative purposes only)

CHECK OR FILL IN WHERE APPLICABLE

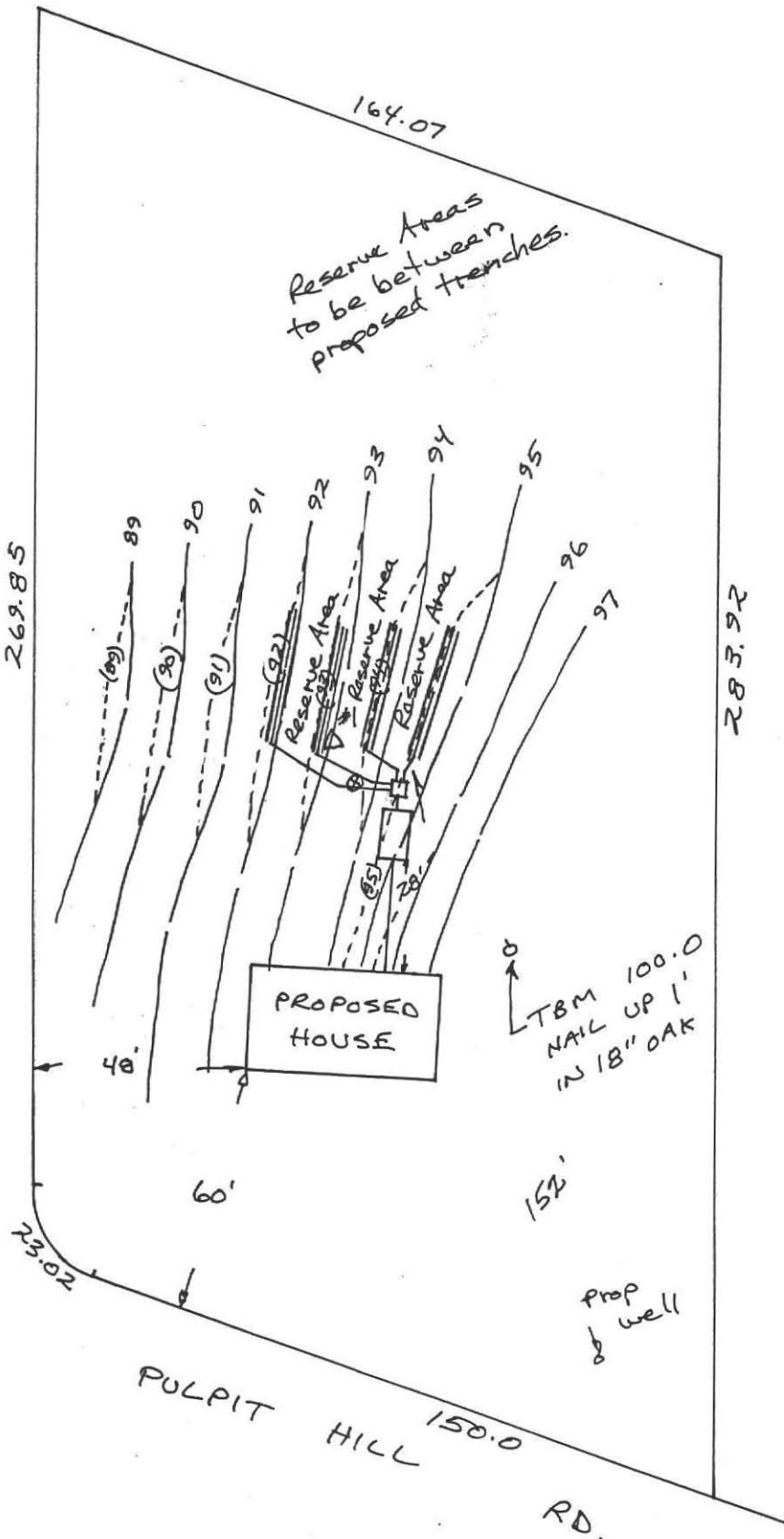
RA Lewis 4/15/93

C. Wall

ck 13936
11/19/92
Revised



Scale 1" = 40'



NO WELLS OR WETLANDS OBSERVED WITHIN 200'

ALL LOAM, SUB SOIL & TREES TO BE REMOVED WITHIN 10' OF SYSTEM

LEGEND

- △ - Deep Hole
- ⊗ - Perc Test
- - 'D' Box
- ▭ - Septic Tank
- oo - Existing Contours
- (oo) - Proposed Contours

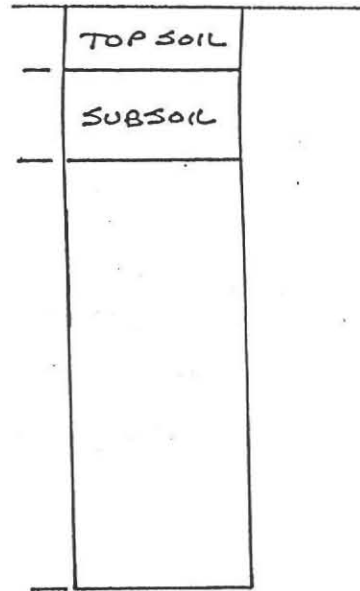
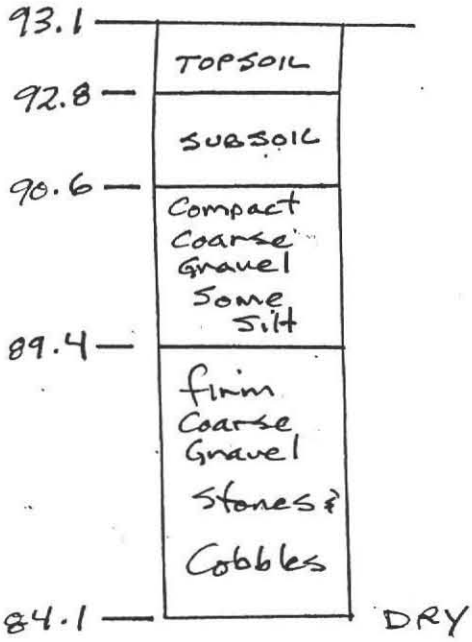


DEEP TEST HOLES

LOT 3 Pg. 3
Pulpit Hill Rd.

#1

#2



CALCULATIONS

BOTTOM AREA (NOT ALLOWED OVER 20.0 mm/in) 10.0 min./in = 0.55 gal./sq. ft.

$$30' \times 3' \times 4 \text{ lines} = 360.0 \text{ sq. ft.} \times 0.55 \text{ gal./sq. ft.} = 198.0 \text{ GAL.}$$

SIDEWALL AREA (NOT ALLOWED IN LEACHING FIELDS)

$$10.0 \text{ min./in} = 1.0 \text{ gal./sq. ft.}$$

$$30' \times 1\frac{1}{2}' \times 2 \text{ sides} \times 4 \text{ lines} = 360.0 \text{ sq. ft.}$$

$$3' \times 1\frac{1}{2}' \times 2 \text{ ends} \times 4 \text{ lines} = 36.0 \text{ sq. ft.}$$

$$396.0 \text{ sq. ft.} \times 1.0 \text{ gal./sq. ft.} = 396.0 \text{ GAL}$$

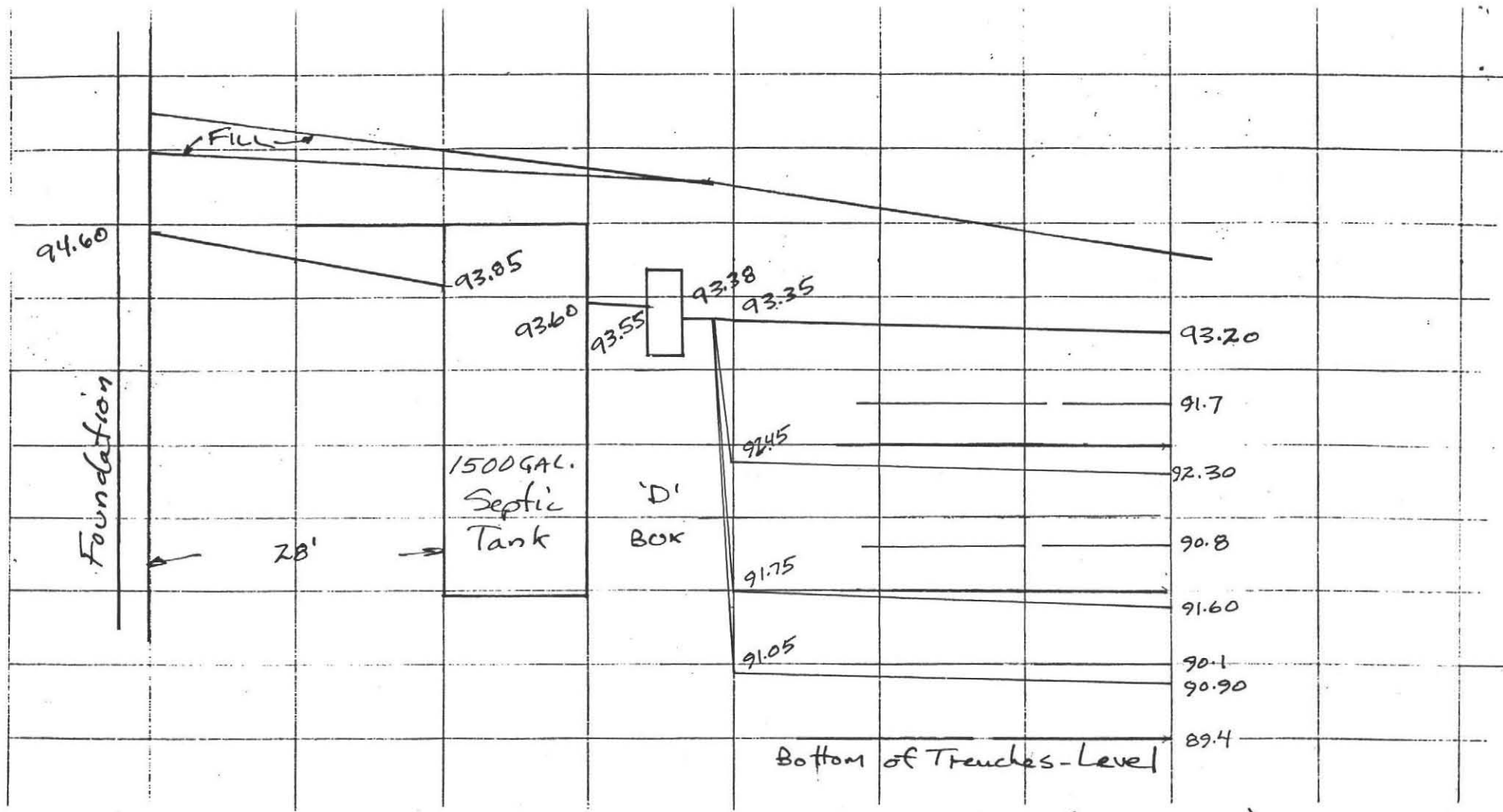
$$594.0 \text{ GAL.}$$

550 GAL. REQUIRED ✓

AVAILABLE



10



Leach Trenches (4-30' long)

NOTES:

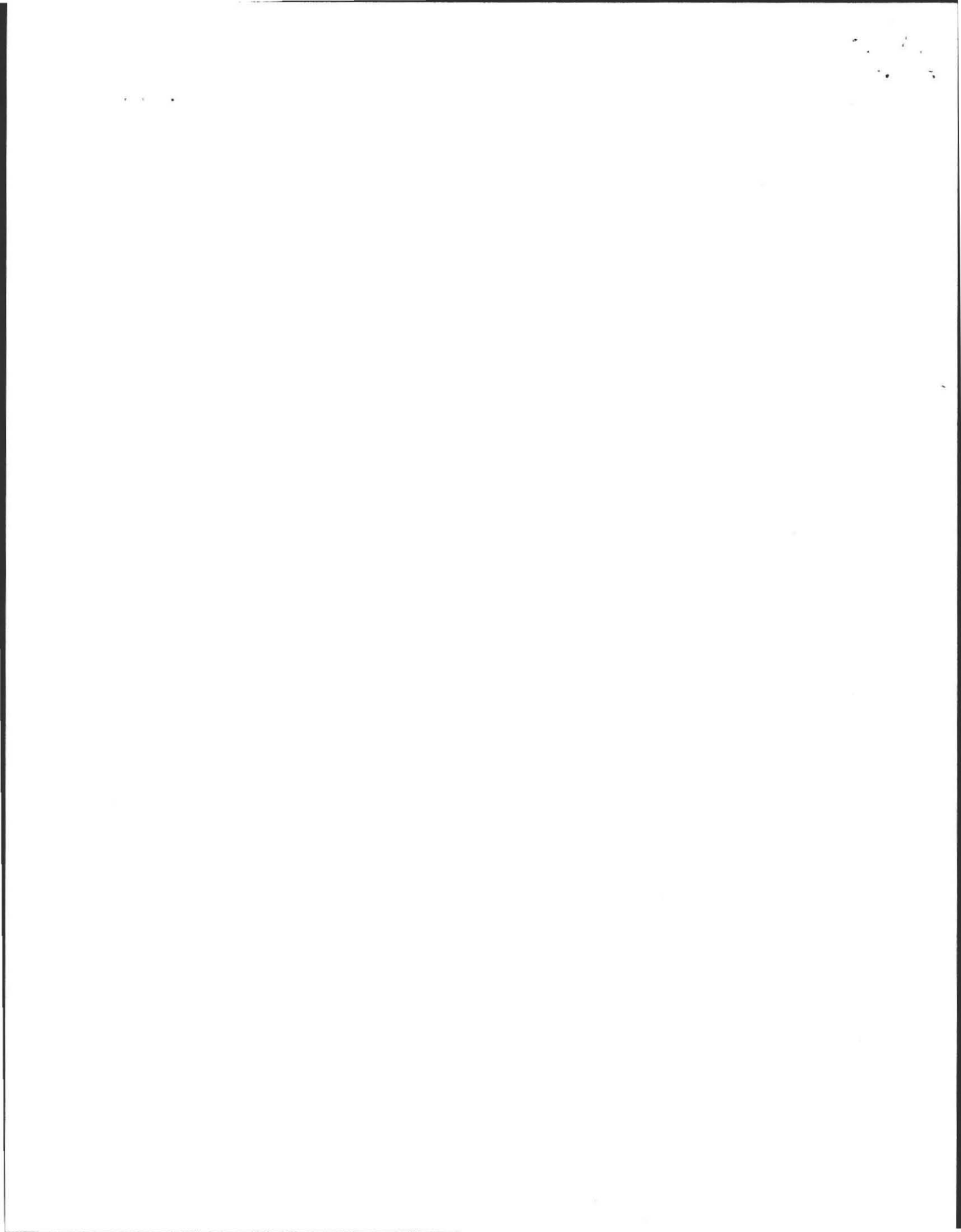
1. SEPTIC TANK SHALL HAVE INLET AND OUTLET TEES (15.6; 8, 9 TITLE 5)
2. D-BOX SHALL HAVE 6" SUMP BELOW OUTLET INVERT (15.10:4 TITLE 5)
3. ACCESS MANHOLE TO SEPTIC TANK SHALL BE TO FINISH GRADE
4. SEPTIC TANKS SHOULD BE INSPECTED ANNUALLY
5. ELEVATIONS ARE TO INVERTS UNLESS NOTED (INSIDE BOTTOM OF PIPE)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

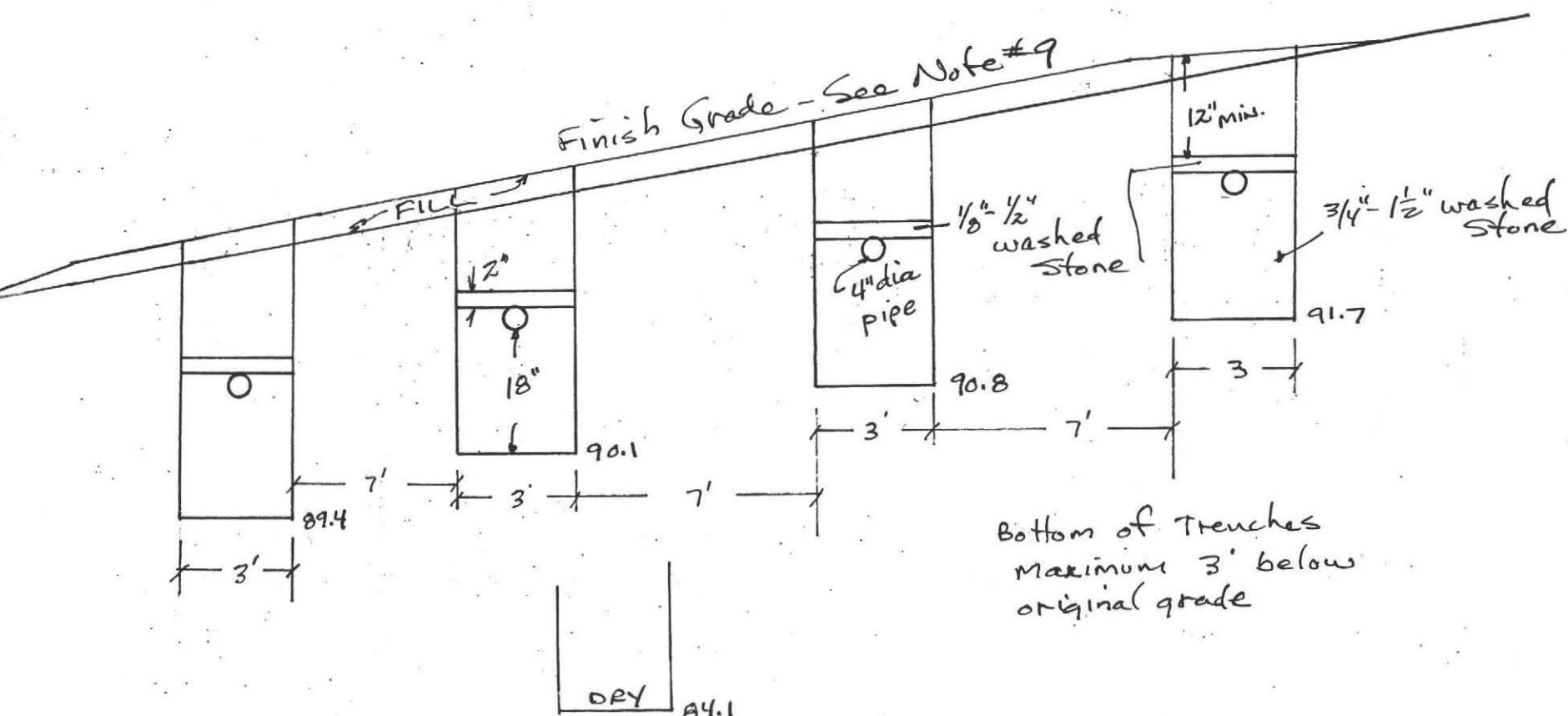
PROFILE OF SYSTEM

SCALE HORZ. 1" = 10'
 VERT. 1" = 2'



Lot 3 Pg. 4
 Pulpit Hill Rd.



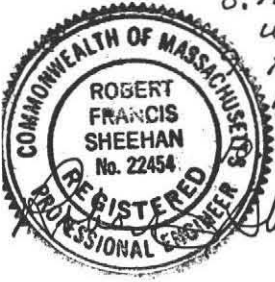


Bottom of Trenches
Maximum 3' below
original grade

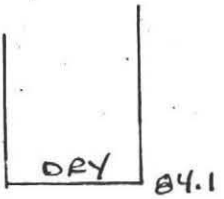
NOTES:

- 8. 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.

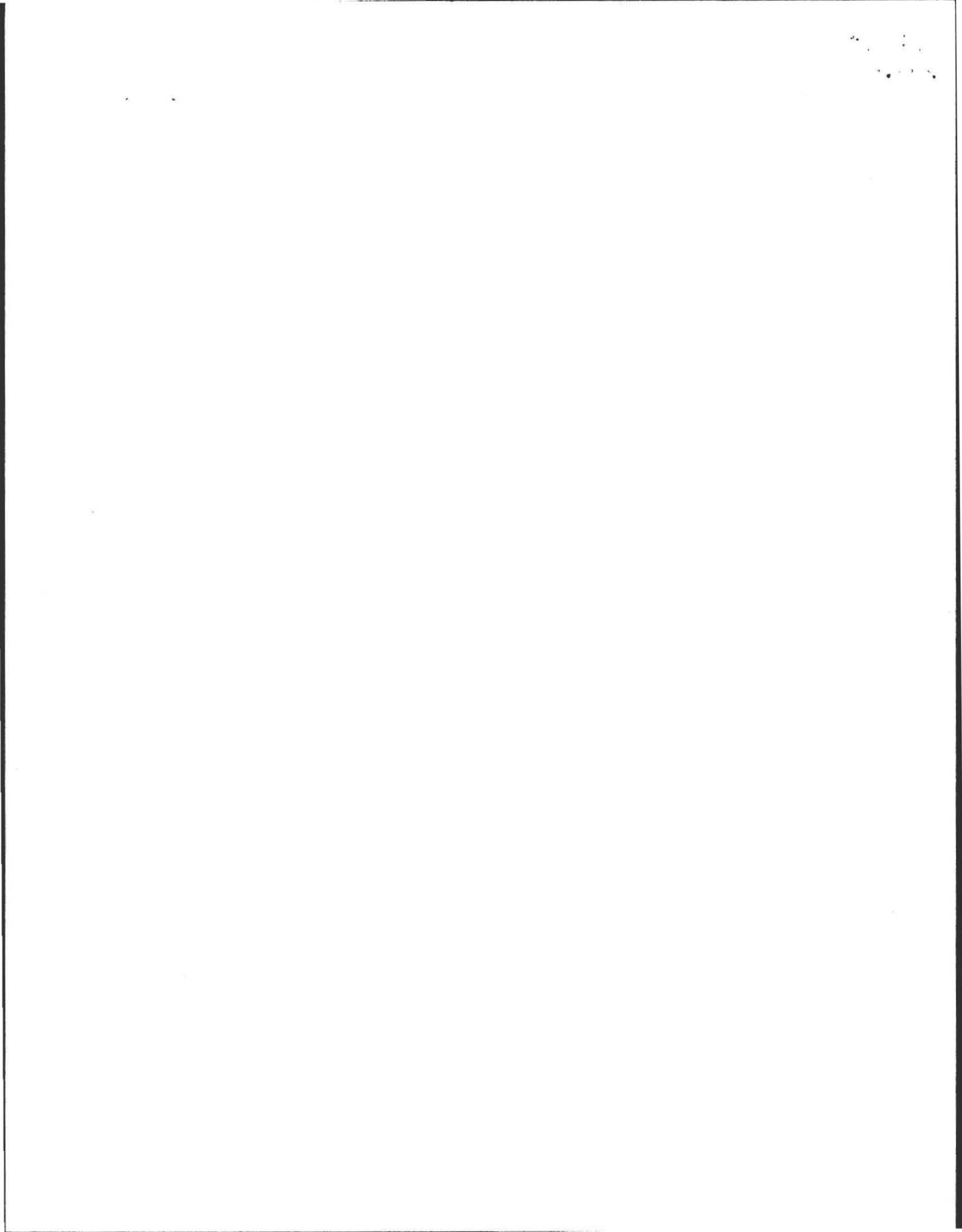
CROSSSECTION OF SYSTEM
NO SCALE



Deep Hole #1



LOT 3
Pulpit Hill Rd.
Pg. 5



DEEP SOIL LOGS

OWNER W.D. Cowls, Inc.

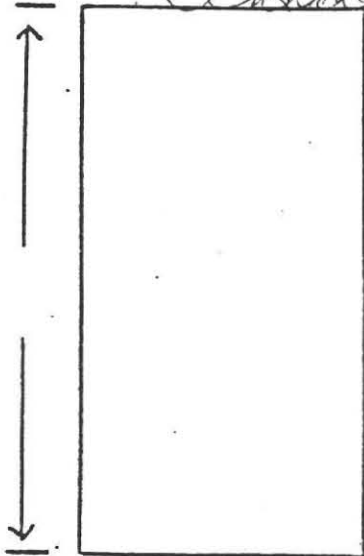
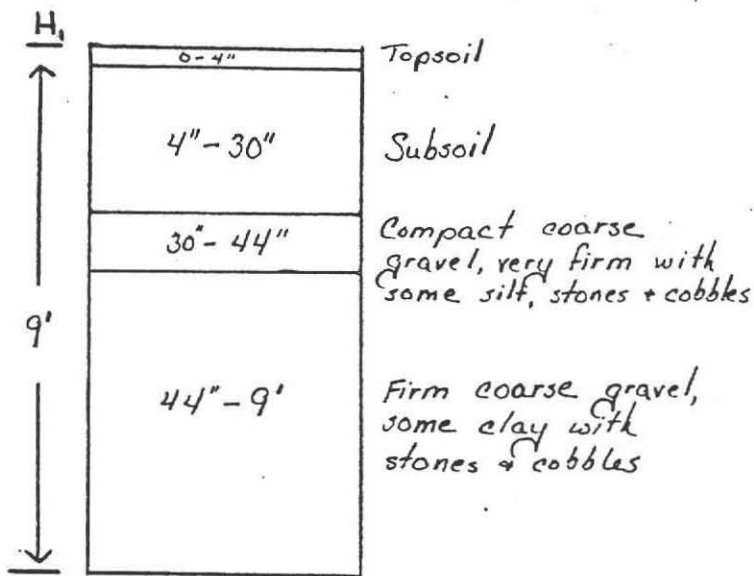
DATE April 11, 1986

LOCATION Pulpit Hill Rd., Lot #3
Amherst

OBSERVER F.A. Filios

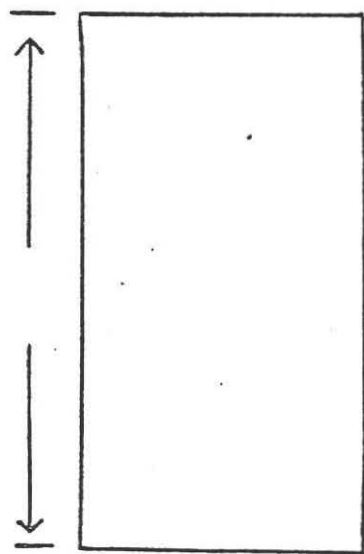
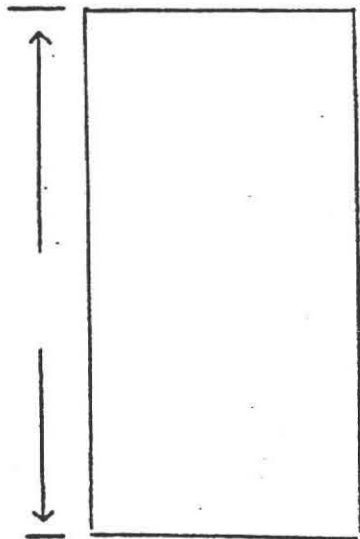
B of H C. Drake

(Signature) 5/7/91



GROUND WATER none

GROUND WATER _____



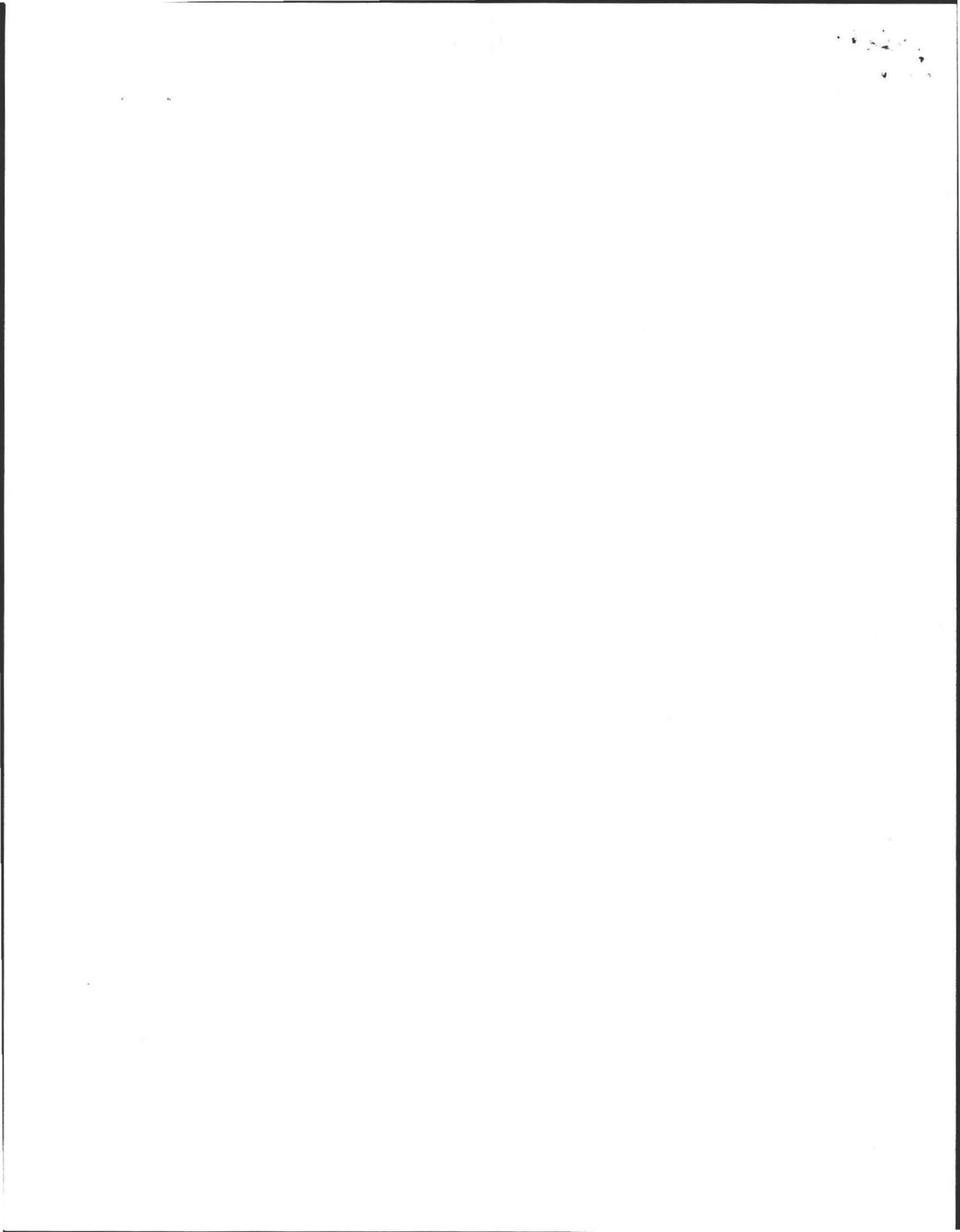
GROUND WATER _____

GROUND WATER _____

PERCOLATION RATE AT 51":

10 min./inch



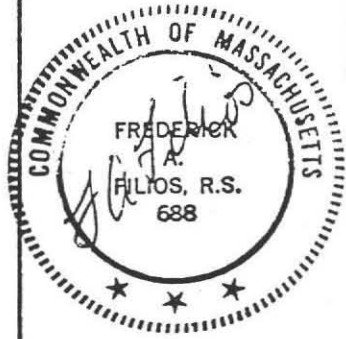
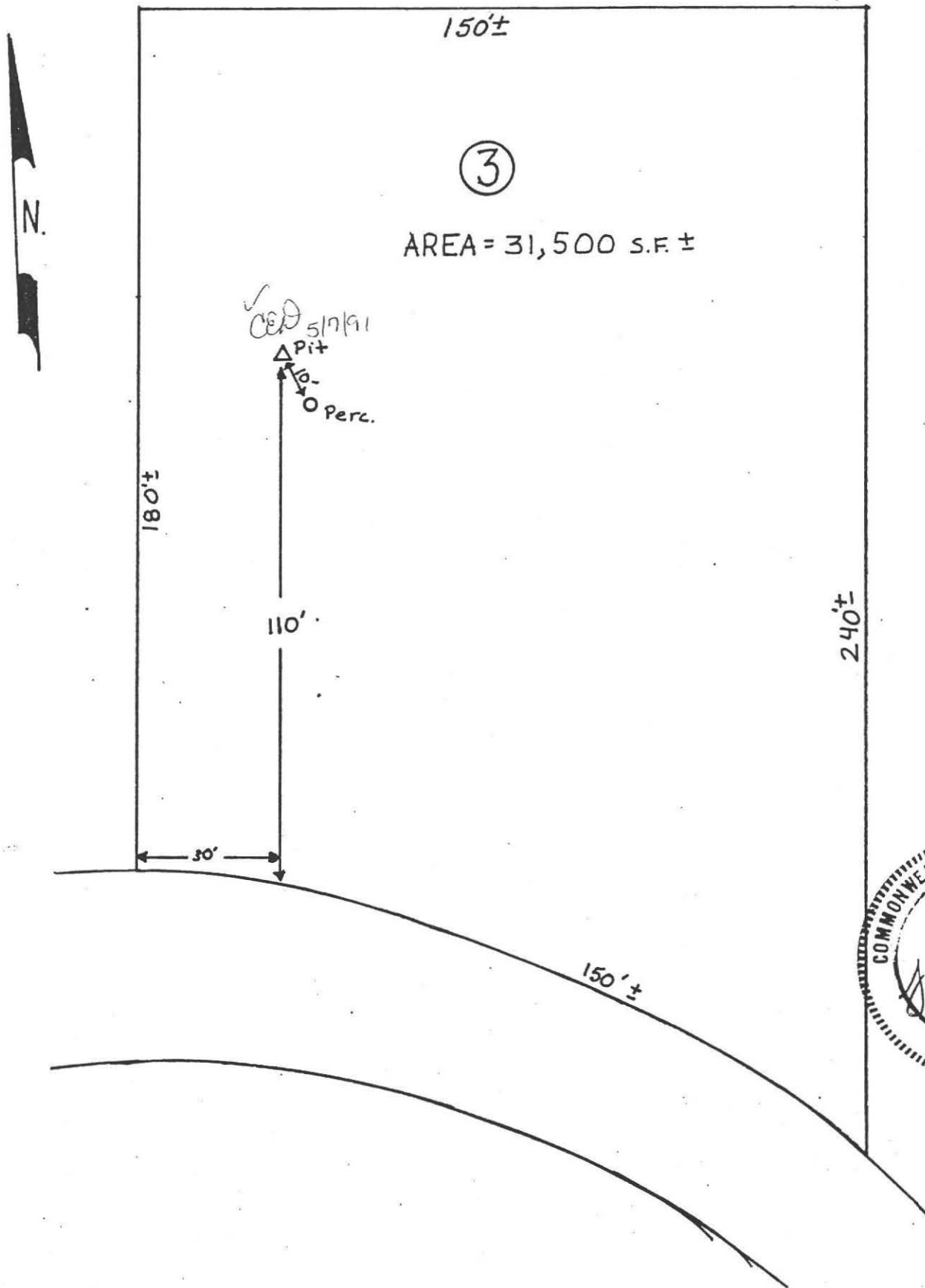


FOR: W.D. Cowls, Inc.
North Amherst, MA.

By: Fred A. Filios
69 Pelham Rd.
Amherst

SITE: Lot #3
Pulpit Hill Rd.
Amherst

SCALE: 1" = 30'



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