#15 15 Trillium

No. 85-31 Fee $90

CK # 8926

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST

COMMONWEALTH OF MASSACHUSETTS FREDERICK A. FILIOS, R.S. 688

Application for Disposal Works Construction Permit

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

15 LOT 57, TRILLIUM WAY (Location - Address) — 57 (or Lot No.)

Mr. Donald LaVerdiere (Owner) — 700 Station Road, Amherst (Address)

E.O. STONG (Installer) — MONTAGUE MA. (Address)

Type of Building — Size Lot 42,135 Sq. feet

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

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

Other fixtures .....

Design Flow 55 gallons per person per day. Total daily flow 495 gallons.

Septic Tank — Liquid capacity 1500 gallons Length ..... Width ..... Diameter ..... Depth .....

~~Disposal Trench~~ LEACH BED — No. 1 Width 18' Total Length 39' Total leaching area 702 sq. ft.

Seepage Pit No. ..... Diameter ..... Depth below inlet ..... Total leaching area ..... sq. ft.

Other Distribution box (✓) Dosing tank ( )

Percolation Test Results Performed by F.A. Filios Date 5/1/84

Test Pit No. 1 6 minutes per inch Depth of Test Pit 10' Depth to ground water 9'6"

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

Description of Soil enclosed

Nature of Repairs or Alterations — Answer when applicable .....

Agreement:

The undersigned agrees to install the aforedescribed Individual Sewage Disposal System in accordance with the provisions of TITLE 5 of the State Sanitary 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 Donald G. LaVerdiere

Application Approved By C.E. Drake Jr. Date 8/8/85

Application Disapproved *for the following reasons:* ..... Date .....

Permit No. 85-31 Issued 8/20/85 (Date)

CHECK OR FILL IN WHERE APPLICABLE

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

OF .....

Certificate of Compliance

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed ( ) or Repaired ( ) by ..... (Installer)

at .....

has been installed in accordance with the provisions of TITLE 5 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 SATISFACTORY.

DATE ..... Inspector .....

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

No. 85-31 TOWN OF AMHERST Fee $90

Disposal Works Construction Permit

Permission is hereby granted D. LAVERDIERE - E.O. STONE

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

at No. LOT 57 TRILLIUM WAY (Street)

as shown on the application for Disposal Works Construction Permit No. ..... Dated 8/8/85

C.E. Drake Jr. (Board of Health)

DATE 8/20/85

FORM 1255 HOBBS & WARREN, INC., PUBLISHERS

No..... Fee.....

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF AMHERST

Application for Disposal Works Construction Permit

COMMONWEALTH OF MASSACHUSETTS — FREDERICK A. FILIOS, R.S. 688

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

LOT 57, TRILLIUM WAY (Location - Address) — 57 (or Lot No.)

Mr. Donald LaVerdiere (Owner) — 700 Station Road, Amherst (Address)

ED STONE (Installer) — MONTAGUE RD. (Address)

Type of Building — Size Lot 42,135 Sq. feet

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

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

Other fixtures .....

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Signed .....

Application Approved By [signature] Date 8/8/85

Application Disapproved *for the following reasons:* .....

Date

Permit No. ..... Issued 8/8/85 (Date)

CHECK OR FILL IN WHERE APPLICABLE

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

..... OF .....

Certificate of Compliance

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed ( ) or Repaired ( )

by ..... (Installer)

at .....

has been installed in accordance with the provisions of TITLE 5 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 SATISFACTORY.

DATE ..... Inspector .....

DEEP SOIL LOGS

OWNER Amherst Woods Inc. DATE May 1, 1984

LOCATION Amherst Woods Lot # 57 OBSERVER F.A. Filios

Soil	
0-5"	Topsoil
5-36"	Subsoil
36-74"	Loose sandy till, with some cobbles
74"-10'	Firm to compact till, with some cobbles and gravel.

10'

GROUND WATER 9½'-seepage

GROUND WATER

GROUND WATER

GROUND WATER

COMMONWEALTH OF MASSACHUSETTS
FREDERICK A. FILIOS, R.S.
638

Percolation Rate at 32":

6 min/inch

PLAN SHOWING SEWAGE DISPOSAL

For: Amherst Woods Inc., for Donald LaVerdiere
4413 Pine St.
Philadelphia, Pa.

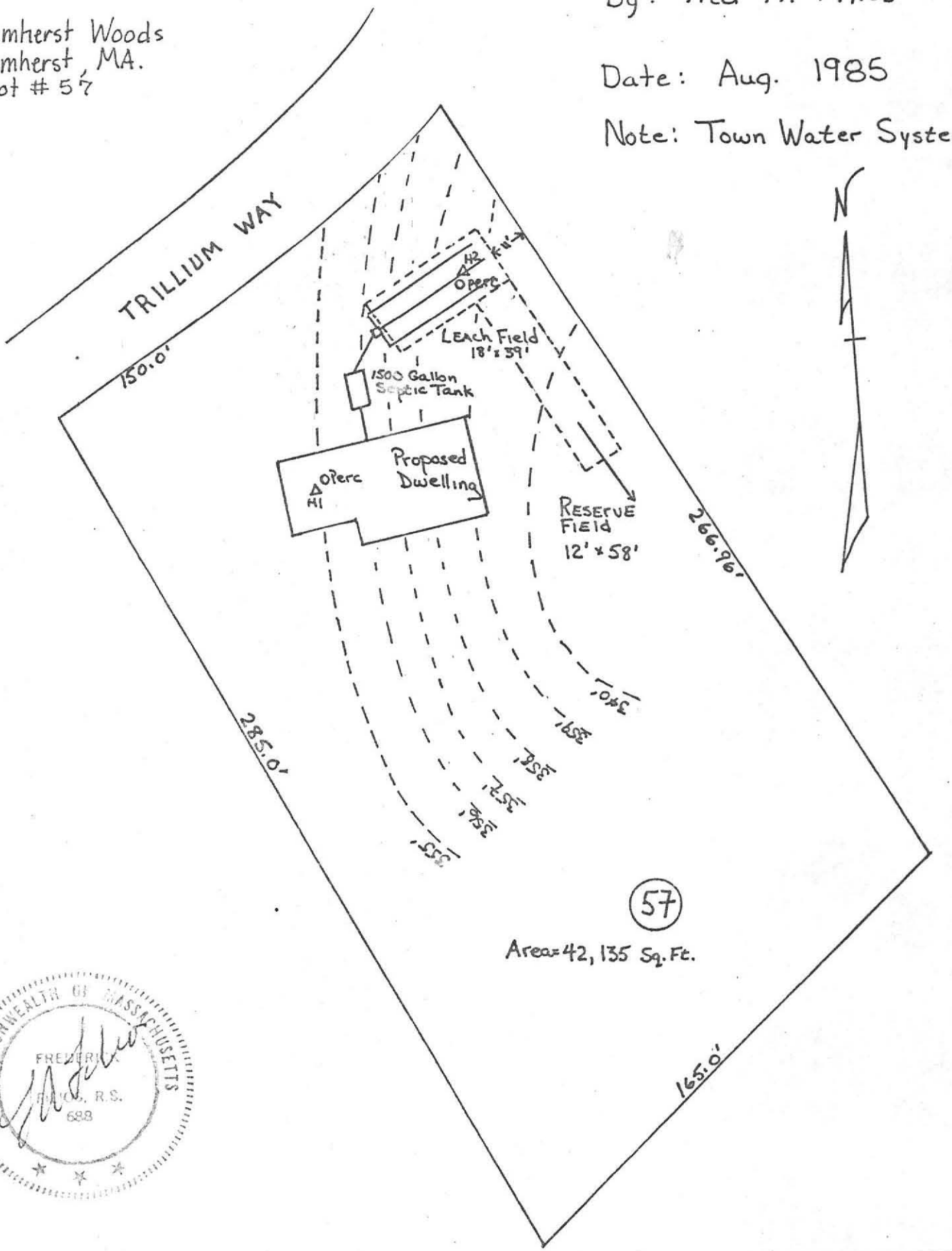
At: Amherst Woods
Amherst, MA.
Lot # 57

Scale: 1" = 40'

By: Fred A. Filios

Date: Aug. 1985

Note: Town Water System

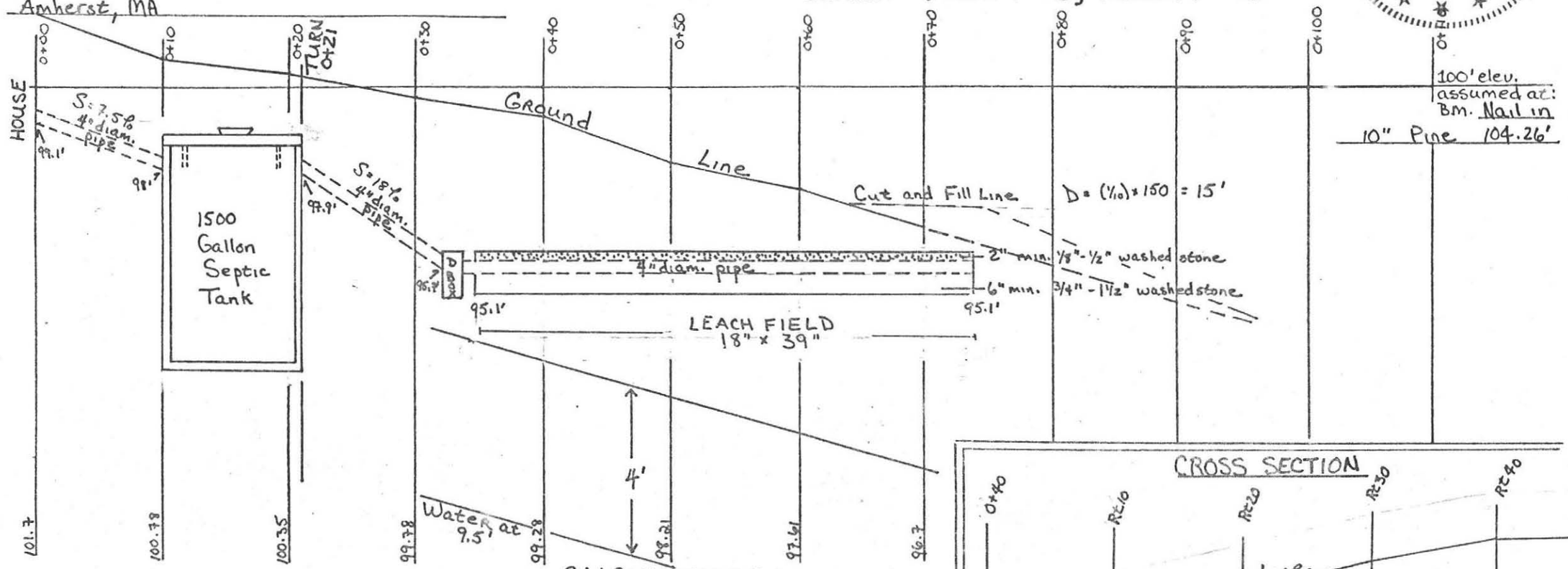


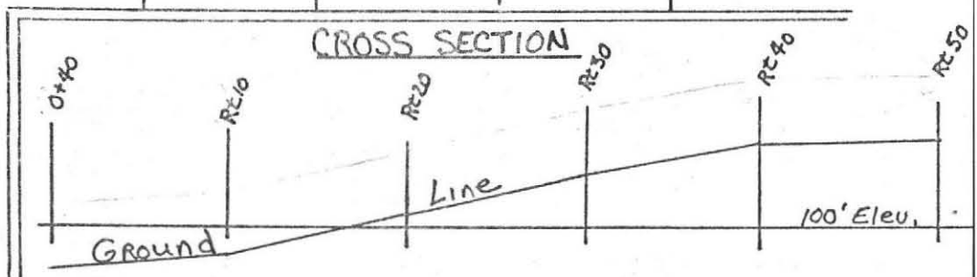
PROFILE OF SEPTIC SYSTEM

FOR: Amherst Woods Inc., for Donald LaVerdiere
4413 Pine St., Philadelphia, PA
SITE: Lot 57, Amherst Woods
Amherst, MA

BY: FREDERICK A. FILIOS
DATE: August 5, 1985
SCALE: VERT. 1" = 3'; HORIZ. 1" = 10'

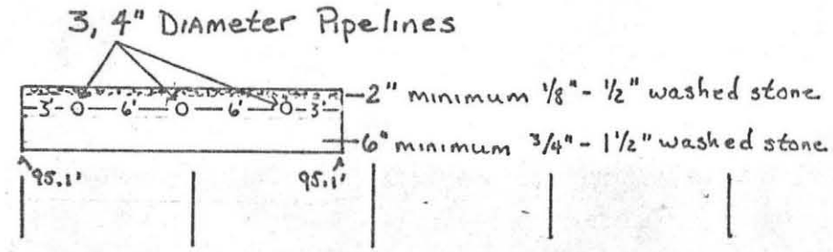
COMMONWEALTH OF MASSACHUSETTS
FREDERICK A. FILIOS, R.S.
688





CALCULATIONS

3 Bdrms @ 110 = 330 + 165 = 495 Gallons Required
Perc Rate = 6 min./inch
Leach Field 18" x 39" = 702 Sq. Ft.
702 Sq. Ft x 0.71 Gall/Sq. Ft. = 498.42 Gallons Available.



Specifications: All materials and construction will be in accordance with the Commonwealth of Massachusetts D.E.Q.E. State Environmental Code, Title 5.

LEWIS & COOK SURVEYORS, INC.

P. O. BOX 1196
BELCHERTOWN, MASSACHUSETTS 01007

DEC 05 1989

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

RICHARD L. COOK
TREASURER
413-283-7238

December 1, 1989

Board of Health
Boltwood walk
Amherst, MA 01002

Dear Mr. Zarozinski,

I have inspected the subsurface sewage disposal system at 15 Trillium Way on November 29,1989 for Ronald Nayler, contractor Stoney Excavation.

The system was substantially constructed as designed.

Yours truly,

Robert F. Sheehan, P.E.

Re Inspected on Nov 30/89
OK PD 30.00

①

No. 89-18

Fee 60.00
PD. 1602
P.2.

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:

#15 Trillium Way — Location - Address
Lot 57 — or Lot No.

Ronald Naylor 253-2875 — Owner
15 Trillium Way Amherst, MA — Address

STONY S — Installer
Address

Type of Building — Size Lot 42,135± Sq. feet

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

Other — Type of Building ..... No. of persons 8 Showers ( ) — Cafeteria ( )

Other fixtures .....

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

Septic Tank — Liquid capacity EXISTING gallons Length ..... Width ..... Diameter ..... Depth .....

Disposal Trench — No. 3 Width 36" Total Length 135' Total leaching area 405 sq. ft.

Seepage Pit No. N/A Diameter ..... Depth below inlet 48" Total leaching area 1152 sq. ft.

Other Distribution box (Yes) Dosing tank ( )

Percolation Test Results Performed by Lewis & Cook Surveyors, Inc. Date Nov. 1, 1989

Test Pit No. 1 15.0 minutes per inch Depth of Test Pit 54" Depth to ground water below 13½'

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 .....

Insp. Dave Zarozinski

COMMONWEALTH OF MASSACHUSETTS ROBERT FRANCIS SHEEHAN No. 22454

Agreement:

The undersigned agrees to install the aforedescribed Individual Sewage Disposal System in accordance with the provisions of TITLE 5 of the State Sanitary 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 Janice C. Naylor 11/6/89
Date

Application Approved By ..... Date

Application Disapproved *for the following reasons:* .....

Date

Permit No. 89-18 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 ( ) or Repaired (✓)

by STONY S
Installer

at 15 Trillium Way

has been installed in accordance with the provisions of TITLE 5 of The State Sanitary Code as described in the application for Disposal Works Construction Permit No. 89-18 dated Nov 6, 1989

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

DATE Nov. 29/30/89 Inspector David Zarozinski

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

No. 89-18 Town of Amherst Fee 60.00 CK 1602

Disposal Works Construction Permit

Permission is hereby granted STONY S

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

at No. 15 Trillium
Street

as shown on the application for Disposal Works Construction Permit No. 89-18 Dated Nov 6, 1989

David Zarozinski for Amherst Board of Health
Board of Health

DATE Nov. 6, 1989

FORM 1255 HOBBS & WARREN, INC., PUBLISHERS

CHECK OR FILL IN WHERE APPLICABLE

AMHERST HEALTH DEPARTMENT

TITLE V FEES · Repair

Owner: Ronald Mayler

Site: 15 Trillium Way

Percolation Test: 100.00 Per Lot CK 1594 100.00

#_____ Date:_____

#_____ Date:_____

#_____ Date:_____

#_____ Date:_____

#_____ Date:_____

Disposal Works Construction Permit

Plan Review Date_____

Need to Re-Inspect

Final Inspection Date 11/29/89

(1) cracked d box

(2) Line 1 uphill

(3) Hook up to D Box from Tank

Subsequent Plan Review

Pd 60.00 CK #1602 Plans Date 1/60 U.6

Date_____

Date_____

Reinspection of Installation

Pd. 30.00 (CASH) Date 1/60 U 30

For Inspection Date_____

OK Date_____

EH: 89 15 01

Repair Perc

Perc Test Pd 100 ce
c4.1594

TOWN OF AMHERST

PERC TEST DATA SHEET

DATE Nov 1, 89 LOCATION 15 Trillium Way LOT SIZE

OWNER Ronald Mayter ADDRESS 15 Trillium Way TELE # 253-2875

P.E./RS Richard Lewis FIRM Lewis/Cook OBSERVED BY David Thomas

BACK HOE OPERATOR Stoney's BENCH MARK

PERC DEPTH 34" PRE SOAK TIME 8:45 PERC DEPTH ___ PRE SOAK TIME

TEST			
12" 9:00	8" 9:33		
11" 9:06	7" 9:43		
10" 9:14	6" 9:55		
9" 9:23			

RATE 15 RATE

TOP 6"
SUB 13"
Cobbles Stones Till

DRY 13 1/2

TOP
SUB

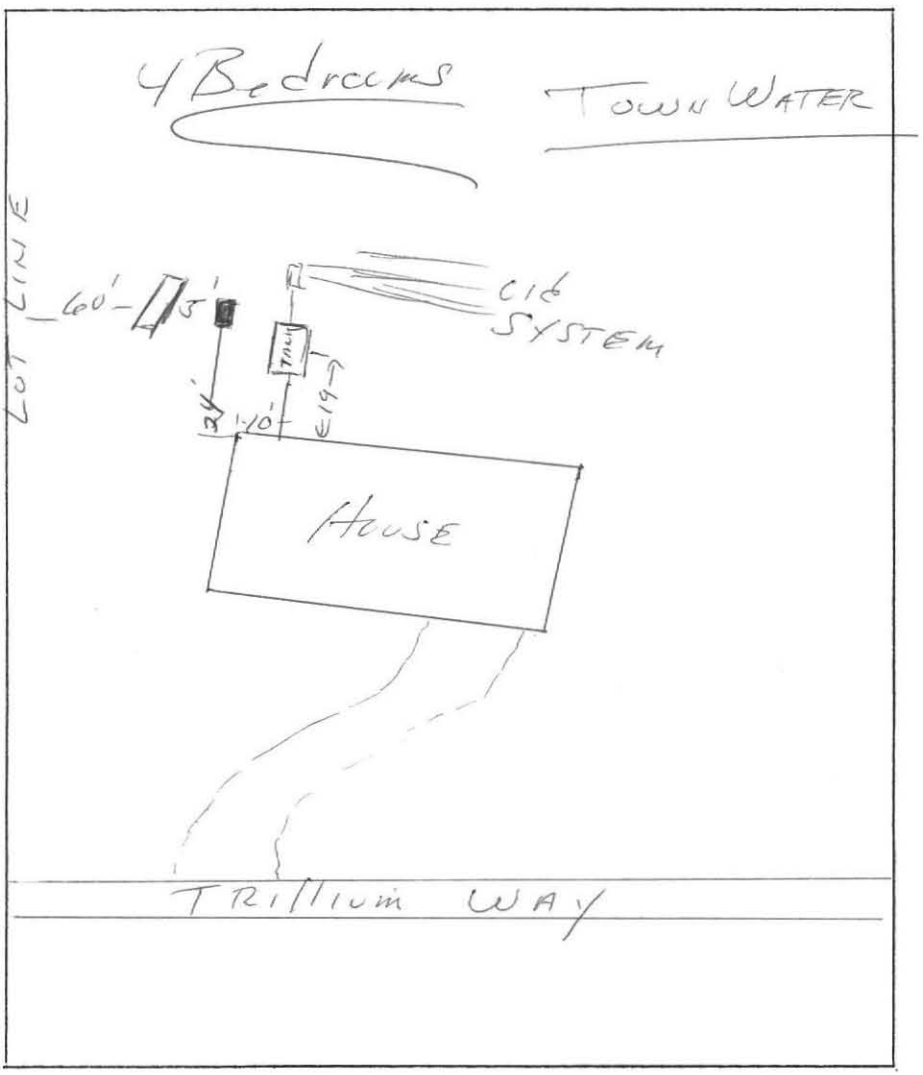
TOP
SUB

TOP
SUB

TOP
SUB

TOP
SUB

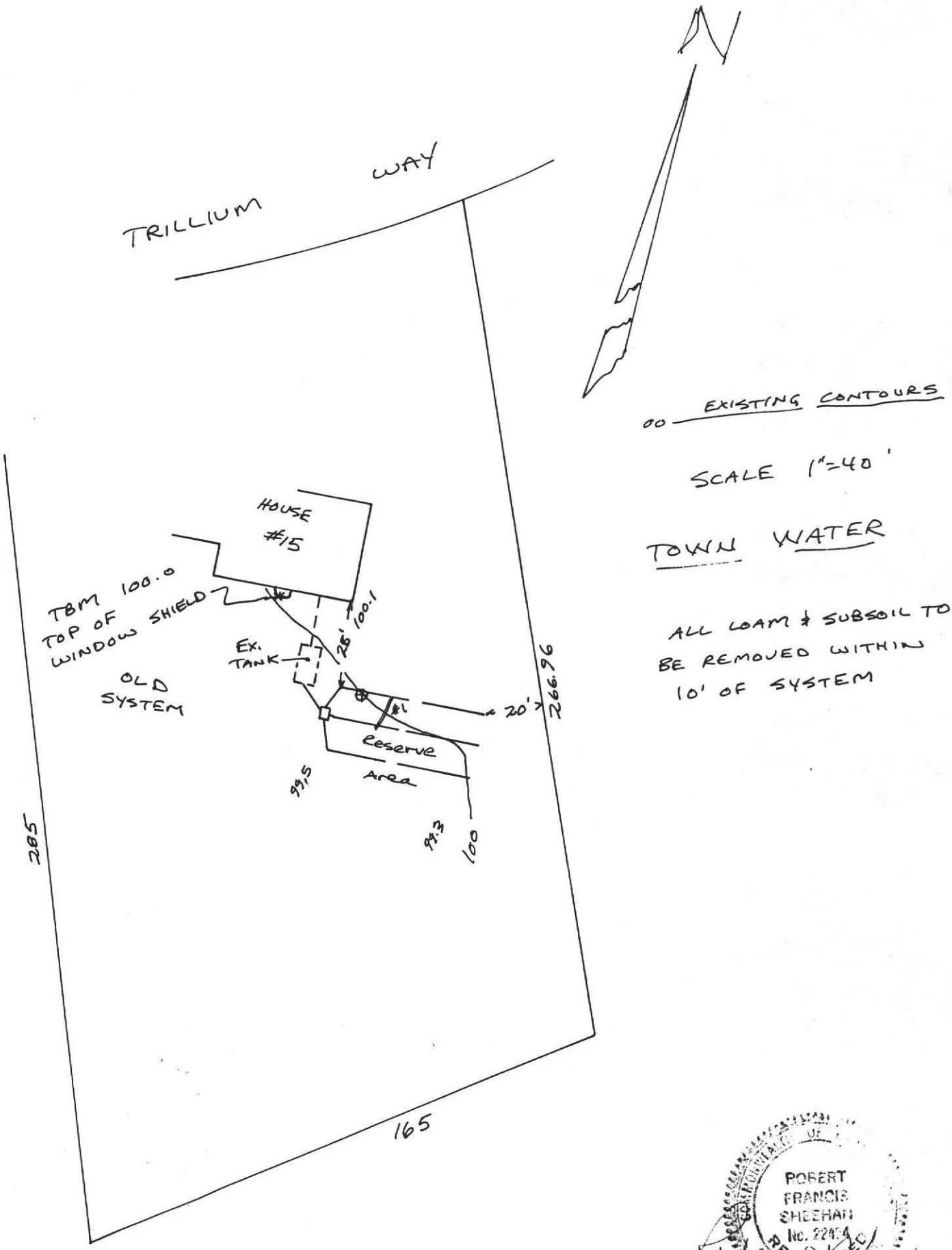
TOP
SUB



X

Lot 57 Pg. 2.

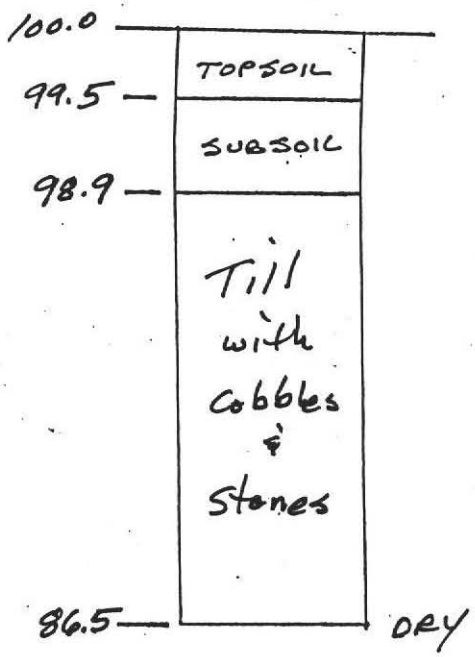
#15 TRILLIUM WAY



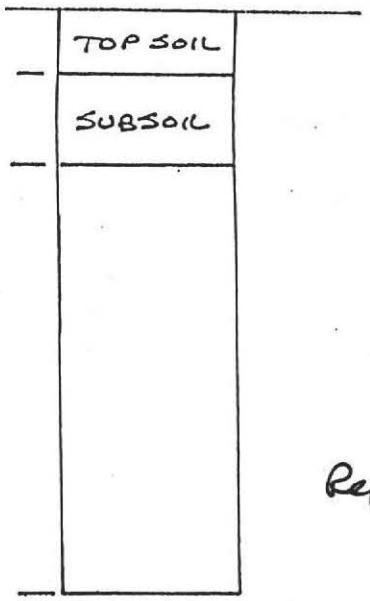
DEEP TEST HOLES

LOT 57 Pg. 3
#15 TRILLIUM Way

#1



#2



Repair

CALCULATIONS

BOTTOM AREA (NOT ALLOWED OVER 20.0 min/in) 15.0 min./in = 0.43 gal./sq.ft.

45' x 3' x 3 lines = 405 sq.ft. x 0.43 gal./sq.ft. = 174.1 gal.

SIDEWALL AREA (NOT ALLOWED IN LEACHING FIELDS)

45' x 4' x 2 sides x 3 lines = 1080 sq.ft. 15.0 min/in = 0.66 gal./sq.ft.

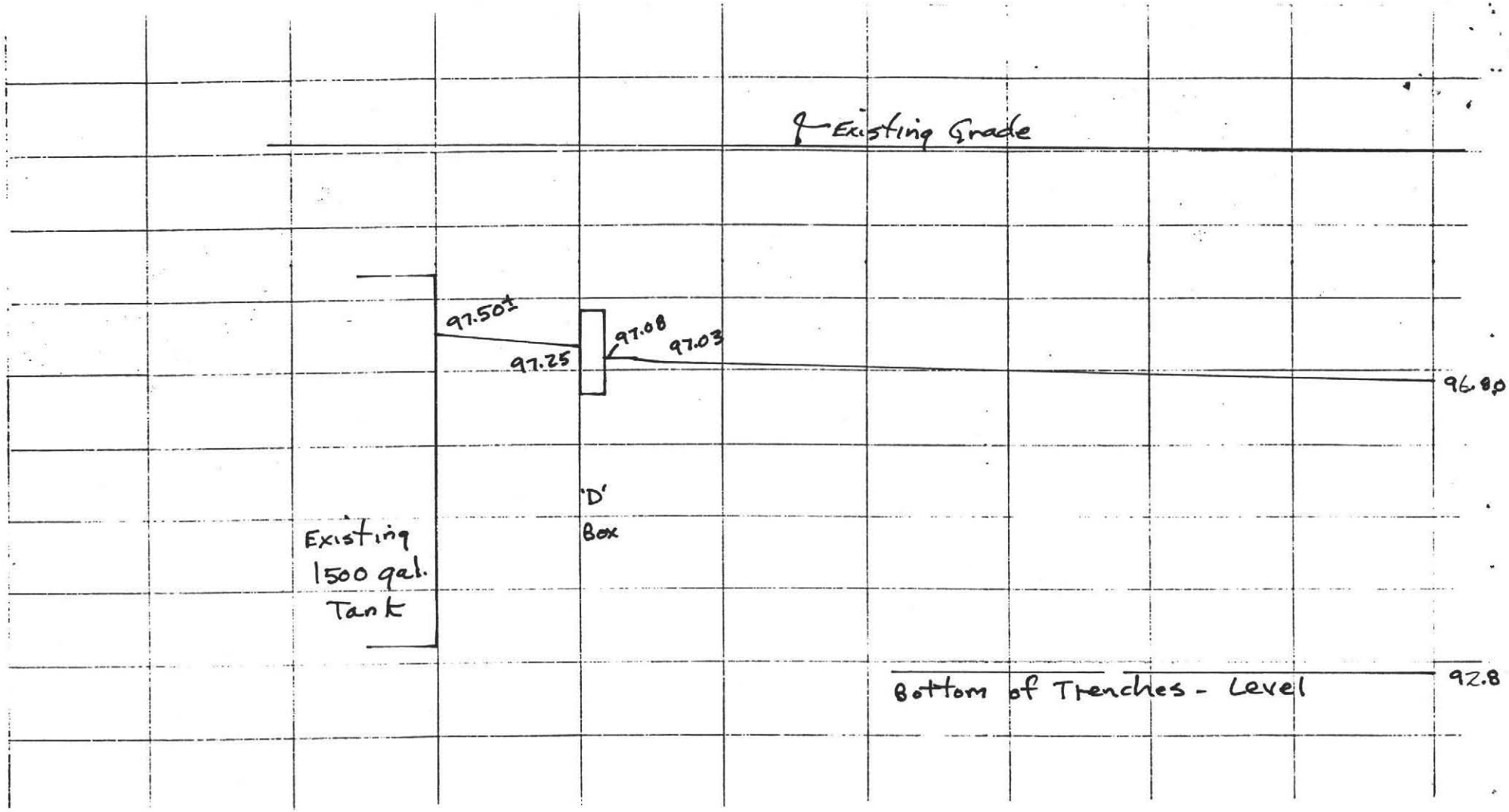
3' x 4' x 2 ends x 3 lines = 72 sq.ft.

1152 sq.ft. x 0.66 gal./sq.ft. = 760.3 gal.

934.4 gal.
AVAILABLE

880 gal. REQUIRED

ROBERT FRANCIS SHEEHAN



NOTES:

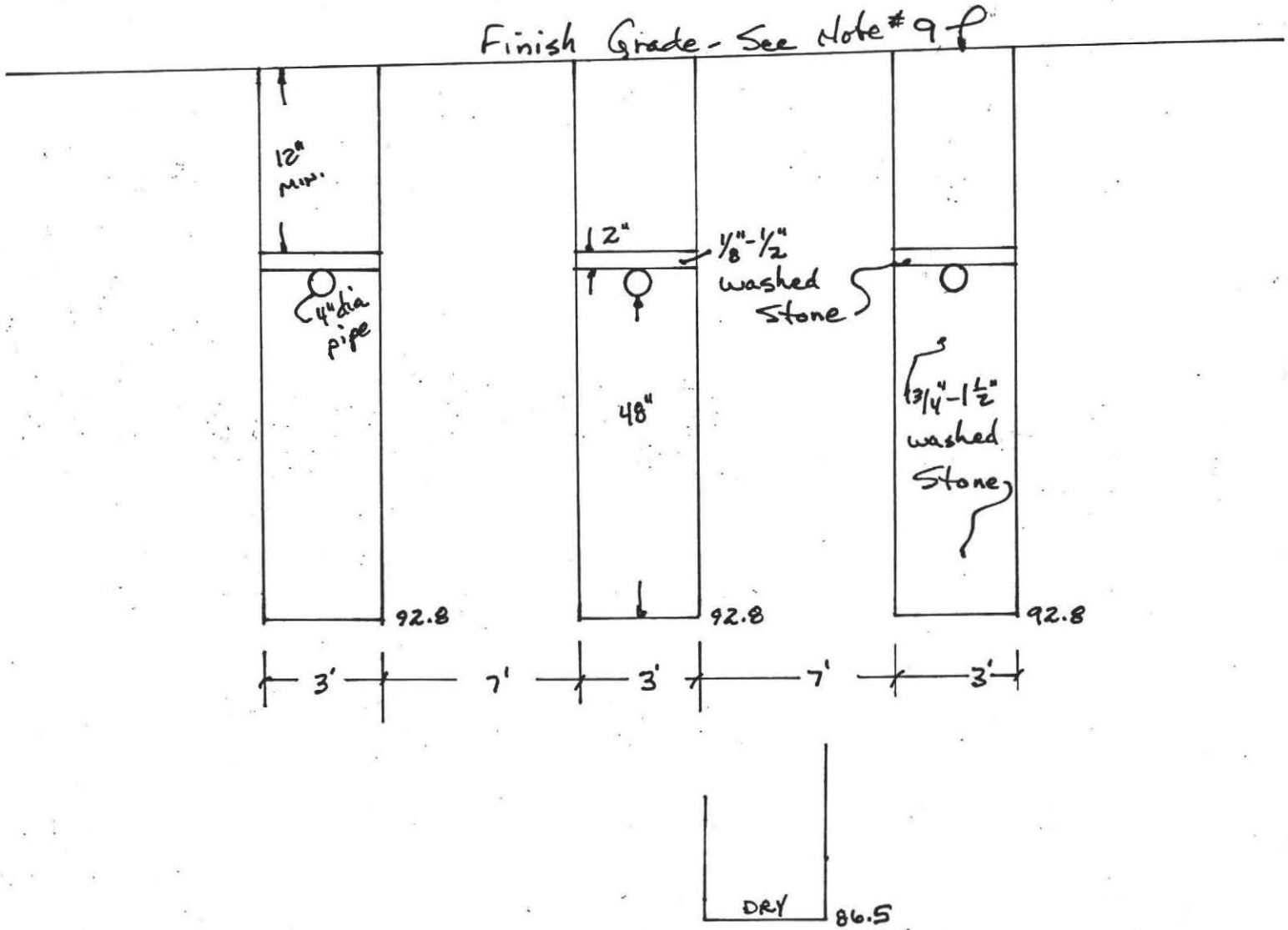
1. SEPTIC TANK SHALL HAVE INLET AND OUTLET TEES (15.6: 8,9 TITLE 5)
2. D-BOX SHALL HAVE 6" SUMP BELOW OUTLET INVERT (15.10: 4 TITLE 5)
3. ACCESS MANHOLE TO SEPTIC TANK SHALL BE TO FINISH GRADE
4. SEPTIC TANKS SHOULD BE INSPECTED ANNUALLY
5. ELEVATIONS ARE TO INVERTS UNLESS NOTED (INSIDE BOTTOM OF PIPE)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

ROBERT FRANCIS SHEEHAN No. 22454 REGISTERED PROFESSIONAL ENGINEER

LOT 57 Pg. 4
#15 TRILLIUM WAY



NOTES:

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

CROSSECTION OF SYSTEM
NO SCALE

ROBERT FRANCIS SHEEHAN

LOT 57
#15 TRILLIUM WAY
Pg. 5

BOARD OF HEALTH

TOWN OF AMHERST, MASSACHUSETTS

LOT 57 TRILLIUM WAY

Important Information Regarding Your Private Sewage Disposal System

DISPLAY THIS DOCUMENT IN A PROMINENT PLACE

Owner DON LAVERDIERE Address 700 STATE RD

Installer ED STONE Address MONTAGUE

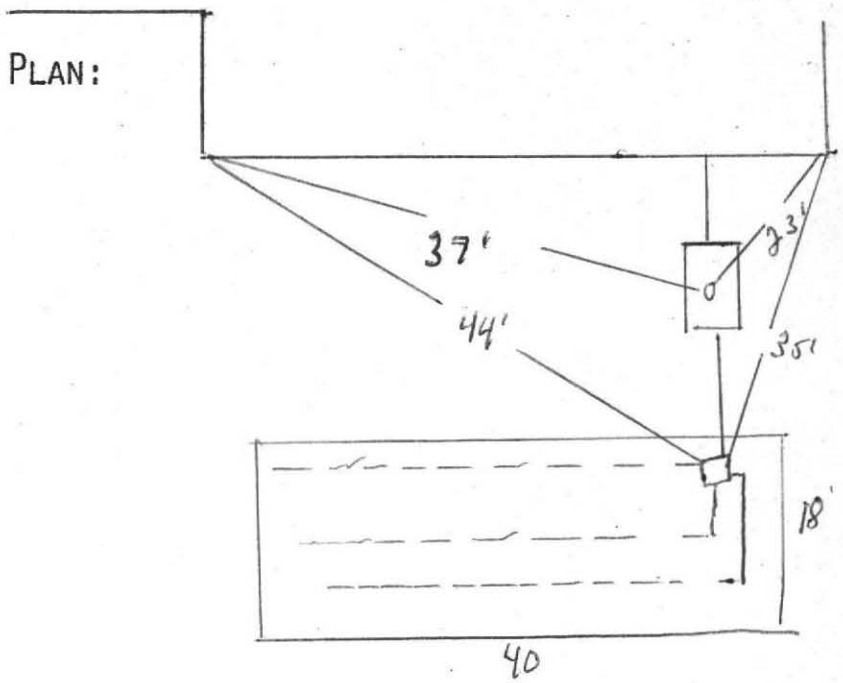
Date Installation Inspected and Approved ~~1500~~ 12-12-85

Description of System: Tank Capacity: 1500 GAL

Leach Field ( ) Bed (X) Seepage Pit ( ) Square Feet: 700 ET

Garbage Grinder Yes (X) No ( ) No. Bedrooms: 3 No. People 6

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.