#31

FEB 2 4 1994

Filios Enterprises, Inc.
69 Pelham Rd.
Amherst, MA 01002

February 16, 1994

Gino and Mary Sorcinelli
31 Bridle Path
Amherst, MA 01002

This is to notify you that Filios Enterprises, Inc. has inspected the septic repair installed at the address above.

The purpose of the inspection was to determine whether the installed system was constructed in accordance with the plan prepared by this office and approved by the Amherst Health Dept.

The inspection revealed that the elevations of the as-built system varied from those of the approved plan to the extent shown in red on the copies of the plan profile enclosed.

These variations from the plan do not represent a violation of either the regulations of the Amherst Health Dept. or the Mass. State Environmental Code, Title 5, and should not interfere with the proper functioning of the installed system.

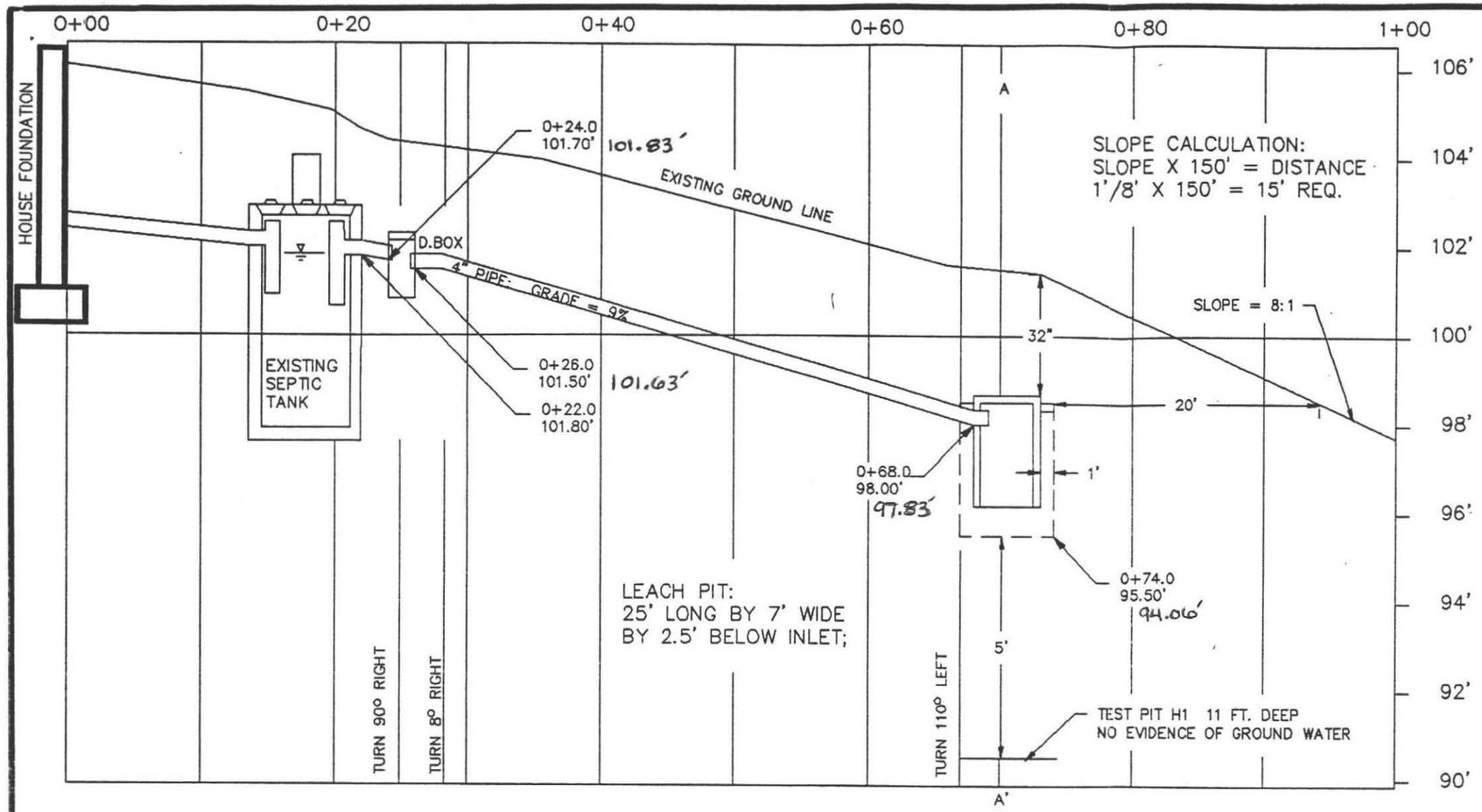
Sincerely Yours,

Frederick A Filios R.S.

Frederick A. Filios, R.S.
President

cc: Amherst Health Dept.

FEB 2 4 1994



100' Elevation Assumed at TBM. TBM is nail in top of road monument as shown on planview.

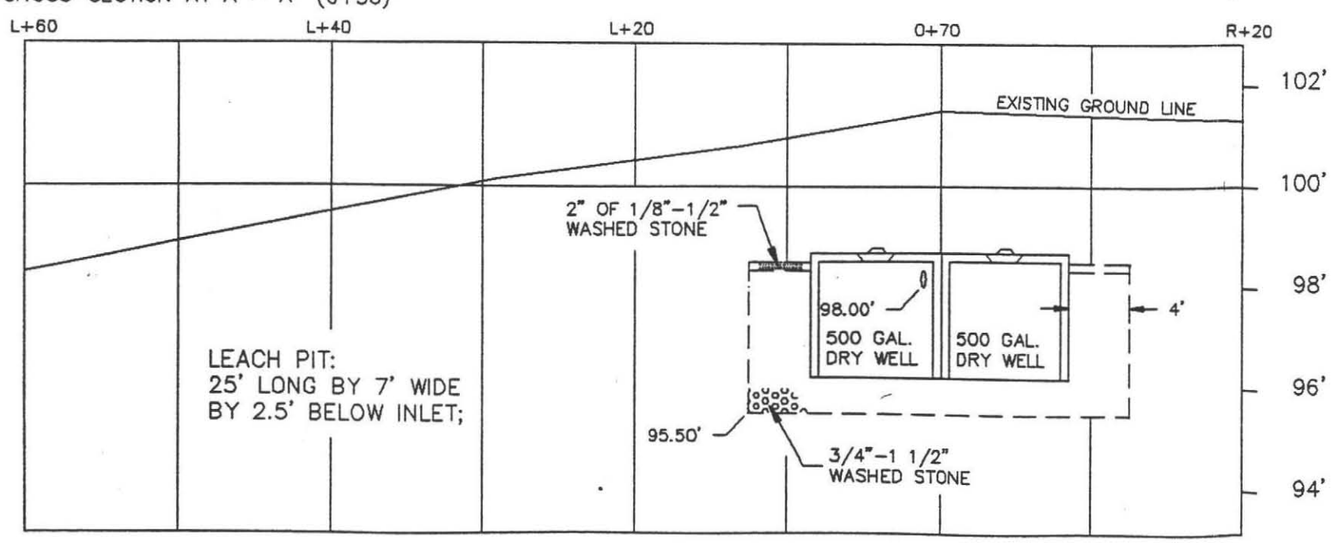
SPECIFICATIONS

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 shall extend 10" and 14" below the flowline respectively. Tops of tees shall be left open with 3" air spaces between the tops of the tees and the inside of the tank cover.
3. Pipes exiting d.box shall be level for at least the first 2 ft.

CROSS-SECTION AT A – A' (0+50)



CALCULATIONS

REQUIRED: For a 4 bedroom house with garbage grinder removed a capacity of 440 gal./day X 1.25 (town safety factor) = 550 gal./day.

DESIGNED: 1 leach pit 25.0'L X 7.0'W X 2.50' 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:	(25.0' + 7.0')2 X 2.5' X 2.50 Gal./Sq.ft.	= 400.0 Gal.
BOTTOM:	(25.0' X 7.0')1.00 Gal./Sq.ft.	= 175.0 Gal.
TOTAL		575.0 Gal.

COMMONWEALTH OF MASSACHUSETTS
FREDERICK FILIOS
REGISTERED
6882

PROFILE OF SEWAGE DISPOSAL SYSTEM	
REPAIR AT 31 BRIDLE PATH, AMHERST, MA	
BY: FILIOS ENTERPRISES, INC. 69 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: GINO & MARY D. SORCINELLI 31 BRIDLE PATH AMHERST, MA 01002
ROBERT STOVER	SCALE: 1" = 10' HOR. / 3' VER.
NOVEMBER 22, 1993	PAGE TWO OF TWO

No. 93-18
Repair

Fee

P6 > CK. 2809 Rec 100
CK 2847 Plans 60

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town of Amherst

Application for Disposal Works Construction Permit

COMMONWEALTH OF MASSACHUSETTS FREDERICK FILIOS, R.S. 632

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

31 Bridle Path — Location - Address
31 - Bridle PATH Lot # 142 — or Lot No.

Gino and Mary Sorcinelli — Owner
31 Bridle Path, Amherst MA 01002 — Address

Installer — Address

Type of Building — Size Lot 36,265 Sq. feet

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

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

Other fixtures .....

Design Flow 55 x 1.25 (town sets factor) gallons per person per day. Total daily flow 550 gallons.

Septic Tank — Liquid capacity 1000 gallons Length Exist. Width ..... Diameter ..... Depth .....

Disposal Trench — No. ..... Width ..... Total Length ..... Total leaching area 175 sq. ft. Bottom

Seepage Pit No. 1 Diameter 25' x 7' Depth below inlet 2.5' Total leaching area 160 sq. ft. Sidewall

Other Distribution box (✓) Dosing tank ( )

Percolation Test Results Performed by Filios Enterprises, Inc. Date November 1, 1993

Test Pit No. 1 2 minutes per inch Depth of Test Pit 11' Depth to ground water none

Test Pit No. 2 ..... minutes per inch Depth of Test Pit 11' Depth to ground water 9'

Description of Soil Attached

Nature of Repairs or Alterations — Answer when applicable garbage grinder to be removed existing leach pit to be augmented with new leach pit, D box to divide effluent

Agreement: Septic tank to be inspected at time of construction.

The undersigned agrees to install the aforedescribed 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 Gino Sorcinelli. 11/23/93 — Date

Application Approved By ..... Date

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

Permit No. 93-18 Rep. Issued ..... Date

Paul Zapatka 12-7-93

Jerry Bonvouloir 12-7-93

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 ..... Installer

at 31 Bridle Path

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. 93-18 Rep dated .....

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

DATE 12/7/93 Inspector Paul Zapatka

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

Town of Amherst

P6 100 Rec 10/29/93
P6 60 Plans 11/22/93

No. 93-18 Repair

Fee

Disposal Works Construction Permit

Permission is hereby granted Gino & Mary Sorcinelli

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

at No. 31 Bridle Path — Street

as shown on the application for Disposal Works Construction Permit No. 93-18 Rep Dated .....

Paul Zapatka for A.H.O. Board of Health

DATE 11/23/93

CHECK OR FILL IN WHERE APPLICABLE

Post. 1.5" rain

10/27/93 CK # 2809 Pd 100.00 For Perc Tests

TOWN OF AMHERST

PERC TEST DATA SHEET

DATE 11/1/93 (raing day) LOCATION 31 Bridle Path (Lot 142) LOT SIZE 36,265 ☆

OWNER Gino Sorcinelli ADDRESS 31 Bridle Path TELE # 253-7191

P.E./RS Fred FIRM Filios OBSERVED BY Roger Bonsall

BACK HOE OPERATOR Riverdrive / Wanseyk? TELE _____ BENCH MARK _____

PERC DEPTH 52" PRE SOAK TIME 1:45 - 2:00 PERC DEPTH ___ PRE SOAK TIME _____

TEST 12" 2:00

9" 2:02:24 6" 2:05:27

8" 2:03:20 dominant color 2.5 YR 5/3

7" 2:04:18

RATE <2 min/inch RATE _____

Repair - Garbage Grinder in use

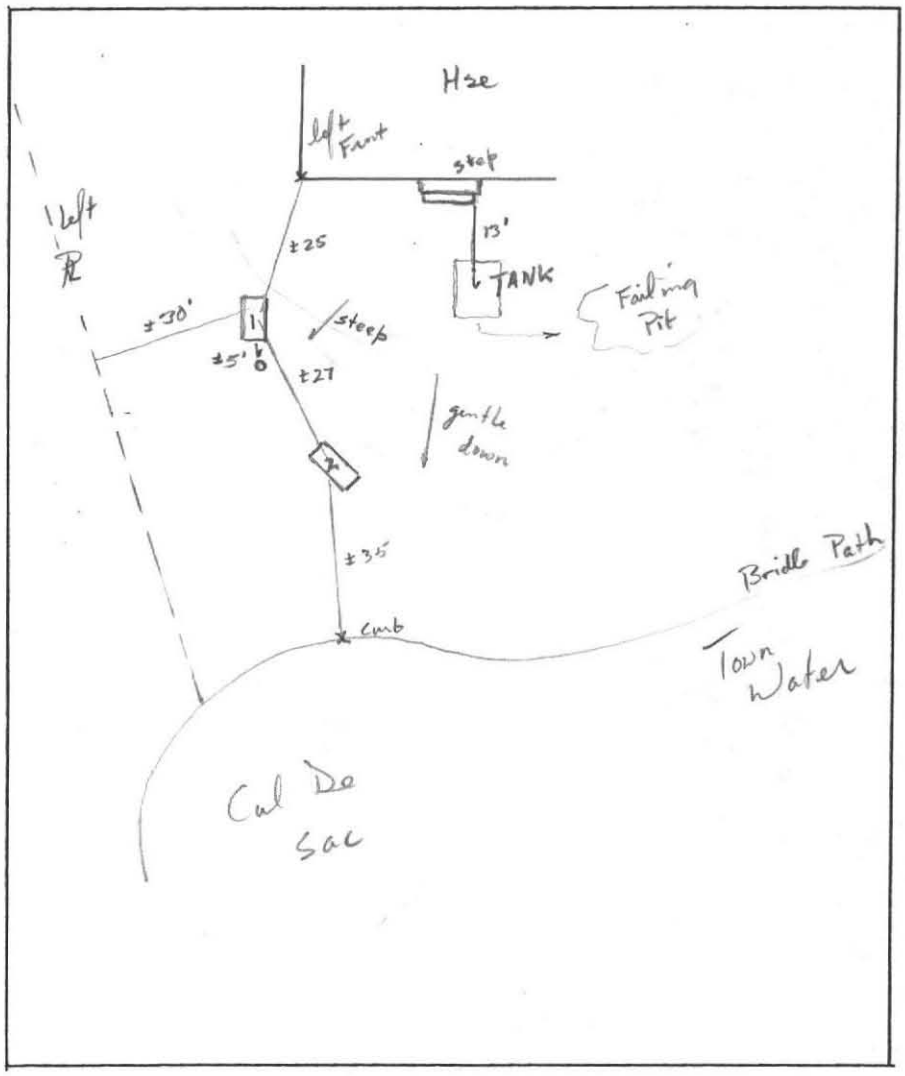
#1

TOP	FILL ~~TOP~~	16"
SUB	SUB	36"
slightly firm to loose yellow/Brn	fine sand some silt dry	132"

#2

TOP	TOP	10"
SUB	SUB	32"
Hi GW / band oxide	fine sand coarse sand dry	9' 132"

TOP	TOP
SUB	SUB



EH1:PERCFORM

Filios Enterprises, Inc. 69 Pelham Rd., Amherst, MA 01002; (413) 256-8008

Sheet 1 of 1

Site Evaluation Report

(Deep Observation Pit Logs and Percolation Test Report)

Client: Gino Sorrelli Location: 31 Bridal Path Weather: rain

Logged By: F. Filios Witness (BOH): Roger Bonwit Contractor: River Dr. Exca

Nov. 1, 1993

Test Pit # 1

Strata Depth	Description/Remarks	Symbol	Color	Density	Moisture	Fines	Sand	Gravel	Cobbles
0-16"	Fill	Ap		Friable	moist				
16-36"	Subsoil	B		Loose	moist				
36-11"	Fine sand some silt	C	2.5YR5/3	slightly Loose firm	dry				

Design Constraint (Estimated Seasonal High Water Table or Impermeable Layer): 11 feet

Test Pit # 2

Strata Depth	Description/Remarks	Symbol	Color	Density	Moisture	Fines	Sand	Gravel	Cobbles
0-10"	Topsoil	A		Friable	moist				
10-32"	Subsoil	B		Friable	moist				
32-9'	Fine sand some silt	C		slightly firm to loos	dry				
9'-11'	Coarse sand	C		loose	dry				

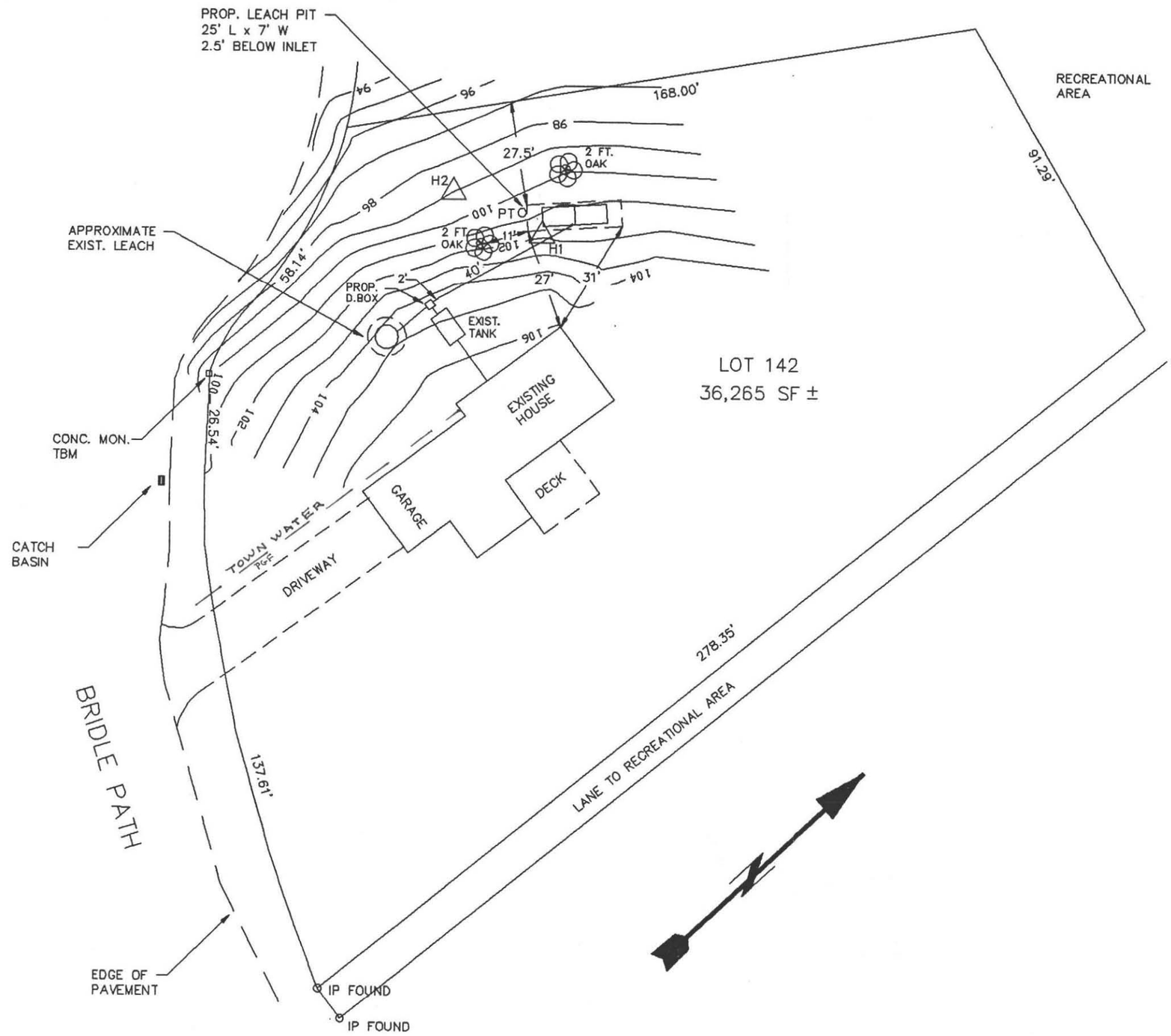
Design Constraint (Estimated Seasonal High Water Table or Impermeable Layer): 9 feet

Percolation Test # 1		Depth: 52"
Soak	1:45	min./in 15
12"	2:00	2.24
11"		
10"		
9"	2:02:24	56 Sec
8"	2:03:20	58 Sec
7"	2:04:18	1 min 9 Sec
6"	2:05:27	
Official Rate (9"-6"): 1:15 Sec min/in		
Design Rate: 2		min/in

Approximate Field Location Sketch:

Comments:

This test report does not guarantee or imply that a septic system can be designed for this site. This report must be reviewed in conjunction with the specific design requirements and use of the desired structure to be served.



LEGEND

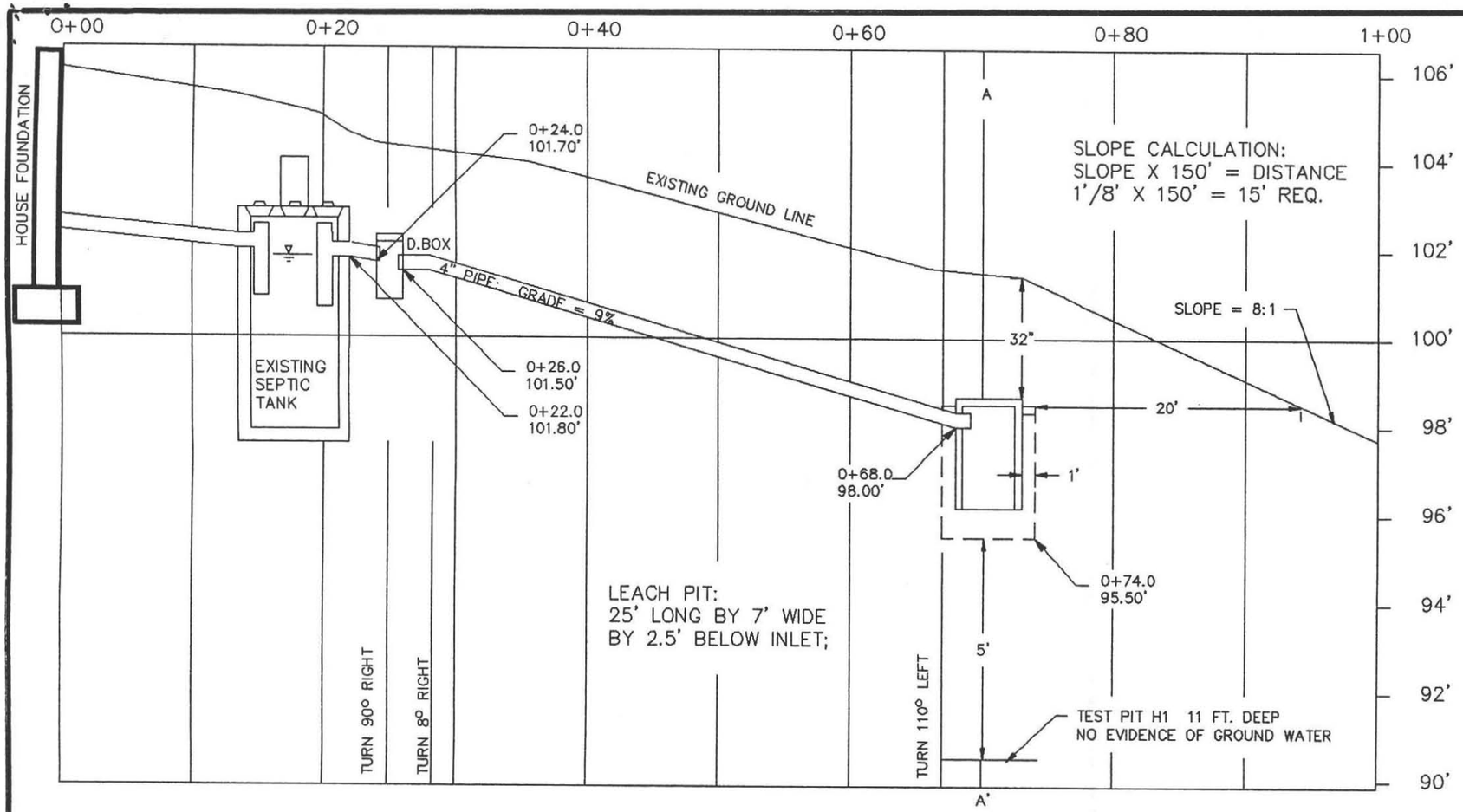
○	PT	PERCOLATION TEST
△	Hx	DEEP TEST PIT
	xx	CONTOUR LINES (1' INTERVAL)
		TREE

COMMONWEALTH OF MASSACHUSETTS
REGISTERED
Filios
6-94

NOTES:

1. TBM IS TOP OF CONCRETE ROAD MONUMENT.
2. NO OTHER WELLS WITHIN 200' OF THE LEACH AREA AT THE TIME OF SURVEY.

PLAN OF SEWAGE DISPOSAL SYSTEM	
REPAIR AT 31 BRIDLE PATH, AMHERST, MA	
BY: FILIOS ENTERPRISES, INC. 69 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: GINO & MARY SORCINELLI 31 BRIDLE PATH AMHERST, MA 01002
ROBERT STOVER	SCALE: 1" = 30'00"
NOVEMBER 22, 1993	PAGE ONE OF TWO



100' Elevation Assumed at TBM. TBM is nail in top of road monument as shown on planview.

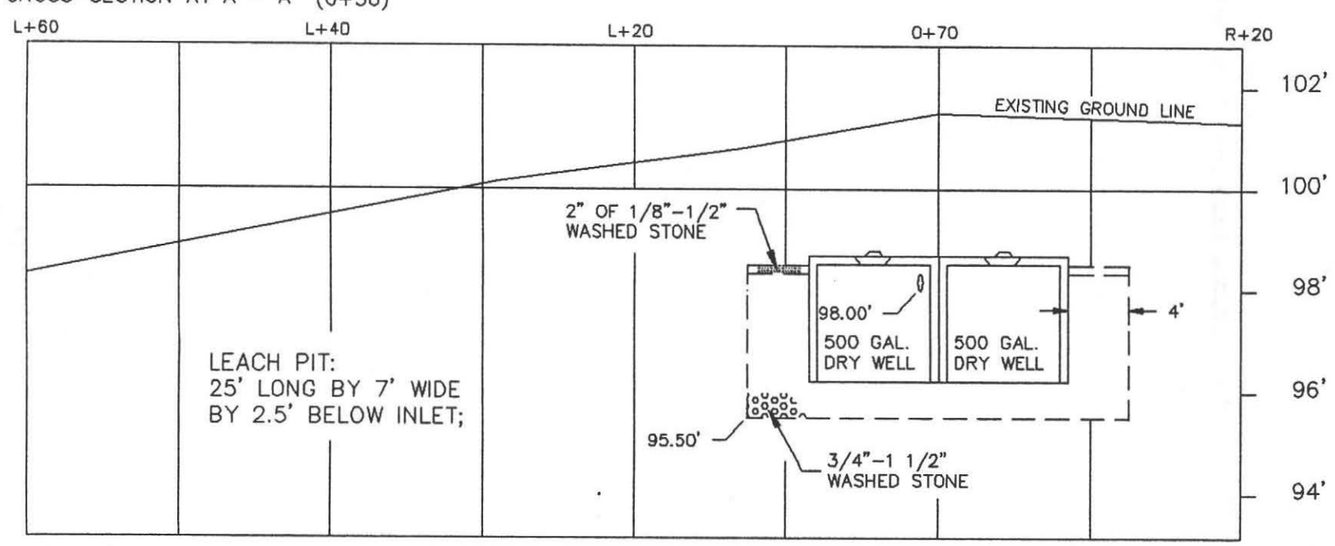
SPECIFICATIONS

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 shall extend 10" and 14" below the flowline respectively. Tops of tees shall be left open with 3" air spaces between the tops of the tees and the inside of the tank cover.
3. Pipes exiting d.box shall be level for at least the first 2 ft.

CROSS-SECTION AT A – A' (0+50)



CALCULATIONS

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TOTAL		575.0 Gal.

COMMONWEALTH OF MASSACHUSETTS
FREDERICK H. FILIOS
CSR

PROFILE OF SEWAGE DISPOSAL SYSTEM	
REPAIR AT 31 BRIDLE PATH, AMHERST, MA	
BY: FILIOS ENTERPRISES, INC. 69 PELHAM RD. AMHERST MA 01002 (413)256-8008	FOR: GINO & MARY D. SORCINELLI 31 BRIDLE PATH AMHERST, MA 01002
ROBERT STOVER	SCALE: 1" = 10' HOR. 3' VER.
NOVEMBER 22, 1993	PAGE TWO OF TWO

BOARD OF HEALTH, AMHERST, MASSACHUSETTS

APPLICATION FOR DISPOSAL WORKS CONSTRUCTION PERMIT

No. 74-14 Date Jan. 15, 1974 Fee $3.00 Date Rec'd. 1/15/74 By DHF

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

Location—Address 31 BRIDLE PATH or Lot No. #142 #31 Bridle Path

Owner GERRY GATES Address

Contractor Tomlinson Inc Address 5 East Pleasant

Type of Building 2 Story Dimensions 26 X 60 Size Lot 36,265

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

Other No. of persons Showers ( )

Other fixtures

Town Water? YES Type of Well

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—No. Width Total Length Total leaching area sq. ft.

Disposal Bed—No. 1 Diameter 12'-6" Depth below inlet 6'-0" Total leaching area 360 sq. ft.

Dry Well—No. Diameter Depth below inlet Dimensions: x x

Other distribution box ( ) No. Dosing tank ( )

Depth to Soil Line Below finished grade at foundation)

Percolation Test Results Performed by HUNTLEY ASSOC'S. Date 12-1-73

Test Pit No. 1 1.7 minutes per inch Depth of Test Pit 3'-6"

Test Pit No. 2 — minutes per inch Depth of Test Pit 9'-0"

Description of Soil SAND Depth to Ground Water NONE

Will *disposal area* be filled? 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.

by Tomlinson Inc. 1/15/74
Owner or builder date

Application Approved by C E Drake Jr. 1-17-74
date

Application Disapproved *for the following reasons:*

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

Other Huntley Jr.

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. 74-14

Permission is hereby granted Tomlinson, Inc. to construct (X) or repair ( ) an Individual Sewage Disposal System at Lot #142, Bridle Path

as shown on the application for Disposal Works Construction Permit No. 74-14

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 1-17-74

C E Drake Jr.
Board of Health

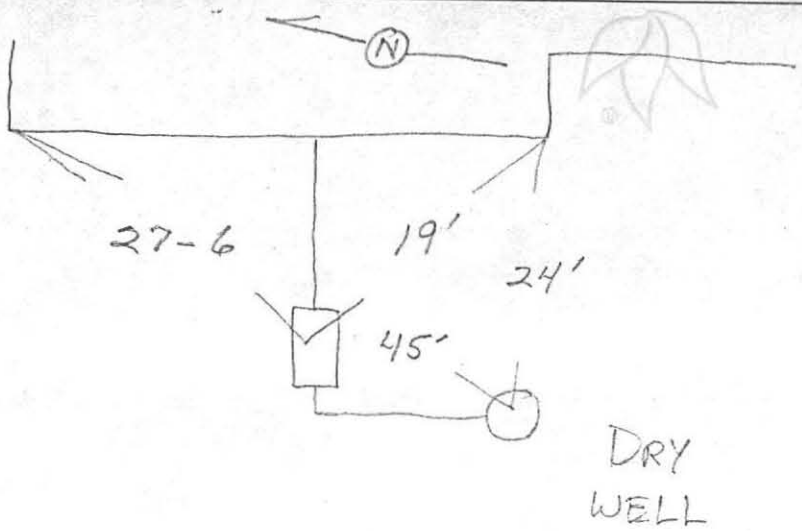
memo from the desk of

KARL T. KONIECZNY

date _____

to Elder Lumber Lot #142

message:



REQUESTED BY: [illegible]
LOCATION: ECHO HILL (NORTH) AMHERST
MAIL ADDRESS:

DATE: 12/1/73
OBSERVER: CS, AD, JH, BL

LOT #123

OTS	2"
SILT & SAND w/ GRAVEL	2'-0"
SAND & GRAVEL	2'-0"
FINE SAND w/TRACE OF OXIDE & MICA & ROCKS	3'-4"

7'-6"

GROUND WATER NONE
PERC RATE: 0.33 MIN/IN

LOT #142

OTS	4"
SANDY SILT	1'-0"
FINE SAND & SILT	2'-0"
OXIDE LAYER OF SAND	1'-0"
VERY FINE SAND	4'-8"

9'-0"

GROUND WATER NONE
PERC RATE: 1.7 MIN/IN

LOT #143

OTS	4"
SILT & SOME SAND	3'-0"
VERY FINE SAND	2'-0"
FINE OXIDE SAND & SILT	4'-2"

9'-6"

GROUND WATER 9'-0"
PERC RATE: 4.0 MIN/IN

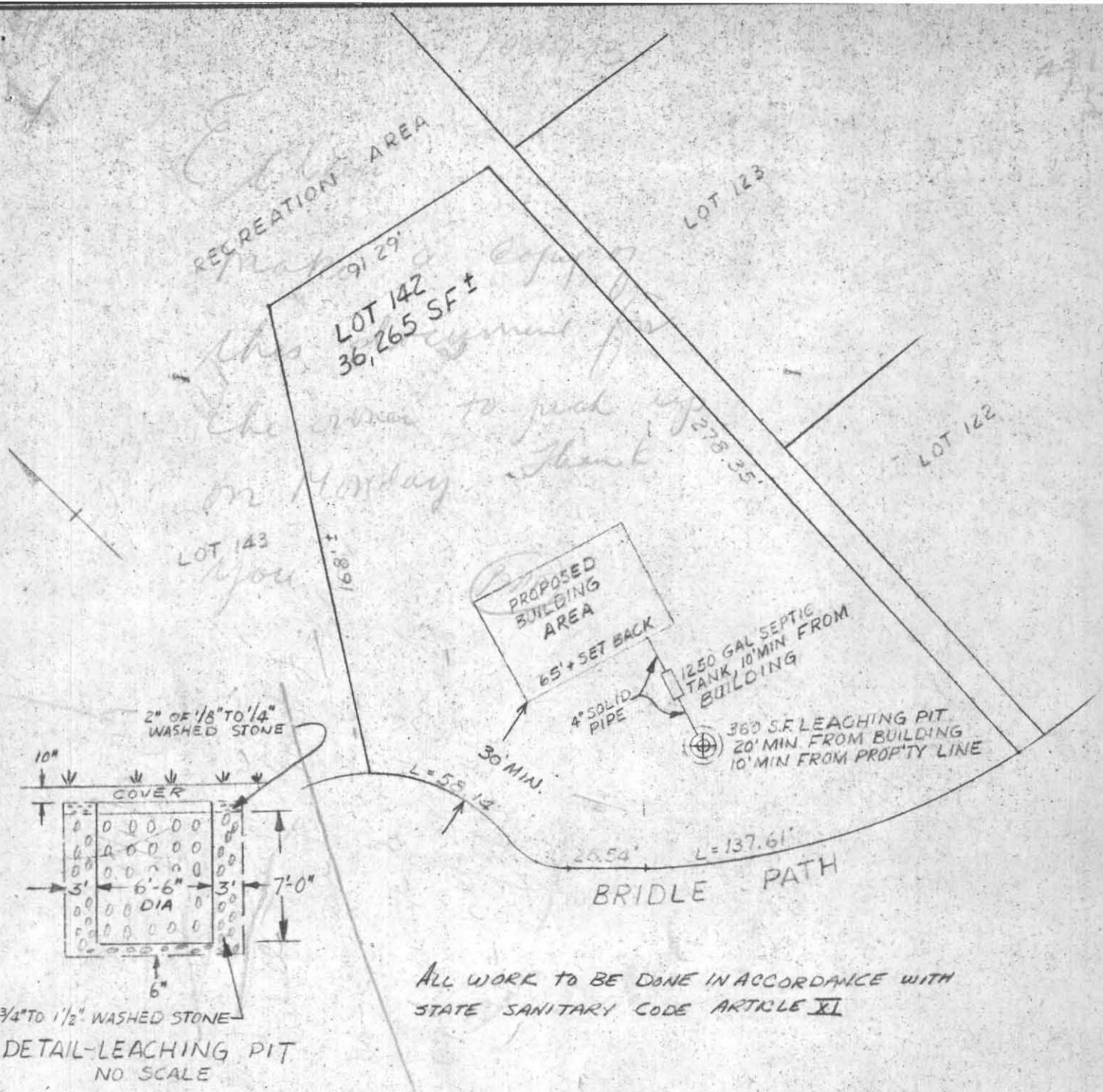
LOT #165

OTS	4"
SILT & SAND	1'-6"
FINE SAND & SILT	2'-0"
OXIDE SAND	6"
VERY FINE SAND	

8'-6"

GROUND WATER NONE
PERC RATE: 1.7 MIN/IN

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



DETAIL-LEACHING PIT
NO SCALE

ALL WORK TO BE DONE IN ACCORDANCE WITH STATE SANITARY CODE ARTICLE XI

PLAN OF PROPOSED SEWAGE DISPOSAL SYSTEM FOR LOT No 142 ECHO HILL NORTH, AMHERST, MASS

PREPARED FOR

GERALD GATES

Almer Huntley Jr

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.

SCALE: 1" = 50'
DW'G: J.M.G.
DATE: 1-2-74

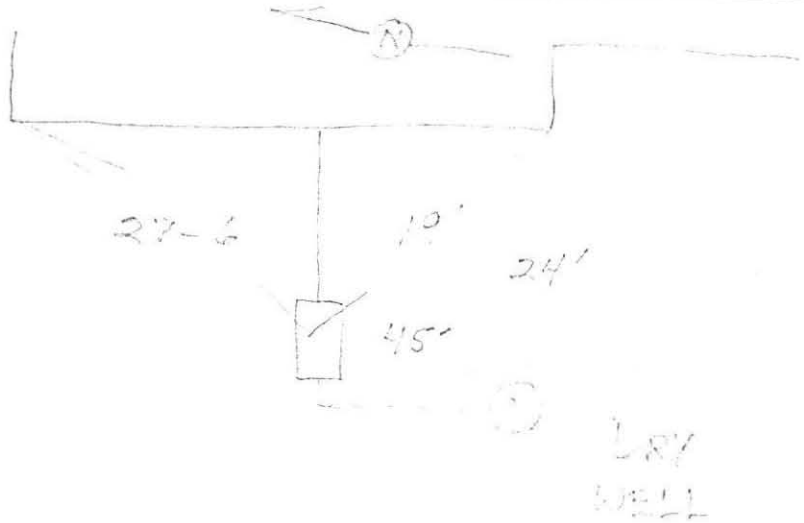
memo from the desk of

KARL T. KONIECZNY

date _____

to [illegible] Lumber 2/7/12

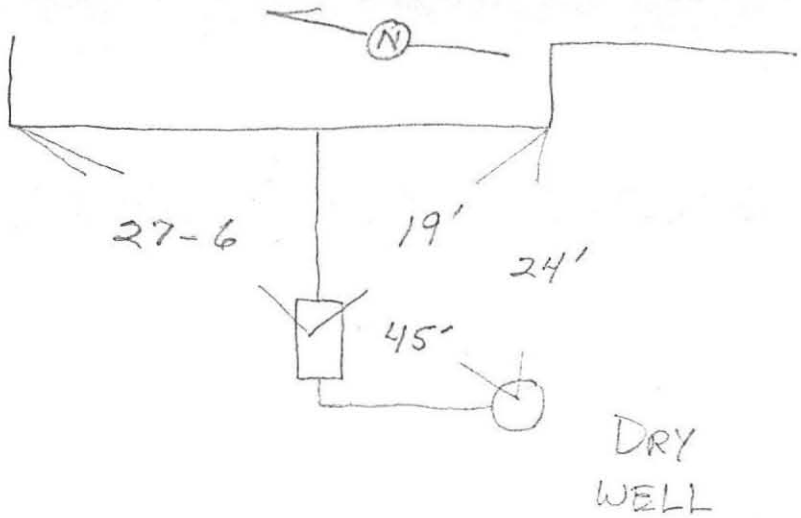
message:



memo from the desk of

KARL T. KONIECZNY

date _____

to Elder Lumber Lot #142

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