

Trillium Way - Completed



JUL 5 1990

#1  
TIMOTHY E. MAGINNIS BS, RS

Environmental Consultant • Registered Sanitarian  
70 Montague Road  
Westhampton, MA 01027  
(413) 527-5291

Trillium

Mr. David Zarozinski, Agent  
Board of Health  
Town Hall  
Amherst, MA.  
01002

549-6115

Re: Amherst - Sewage Disposal  
System - Final Inspection  
Trillium Way

July 2, 1990

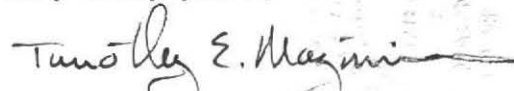
Dear Mr. Zarozinski:

On July 2, 1990, I conducted the final inspection for an individual subsurface sewage disposal system located at Lot # 53 on Trillium Way in Amherst Woods in Amherst, Ma.

Based on this inspection, it appears as though this subsurface sewage disposal system has been installed in accordance with the State Sanitary Code Title-V and the approved plans submitted to your Board.

If you have any questions please do not hesitate to contact me.

Very truly yours;

  
Timothy E. Maginnis RS

cc C & C Contractors

17  
L. X. 1000

MAR 9 1989

No. 89-1  
Revised  
5/25/90

FEE \$90. pd  
CK 296

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:

Location - Address: TRILLIUM WAY - AMHERST WOODS Lot # 53 AMHERST MA.  
C & C CONTRACTORS, INC. or Lot No. P.O. BOX 532 LEEDS MA, 01053  
Owner: W. W. CLARK Address: SHUTESBURY MA  
Installer: Address:

Type of Building: Dwelling - No. of Bedrooms: 4 Expansion Attic ( ) Garbage Grinder ( )  
Other - Type of Building: SINGLE FAMILY No. of persons: 8 Showers (2) - Cafeteria ( )  
Other fixtures:

Design Flow: 5.5 gallons per person per day. Total daily flow: 440 gallons.  
Septic Tank - Liquid capacity: 1500 gallons Length: 10' Width: 5' Diameter: Depth: 64"  
Disposal Trench - No.: 3 Width: 3 Total Length: 50 Total leaching area: 1350 sq. ft.  
Seepage Pit No.: Diameter: Depth below inlet: Total leaching area: sq. ft.

Other Distribution box (✓) Dosing tank ( )  
Percolation Test Results Performed by: TIMOTHY E. MAGINNIS RS Date: 3-3-89  
Test Pit No. 1: 8 minutes per inch Depth of Test Pit: 11'3" Depth to ground water: N/A  
Test Pit No. 2: minutes per inch Depth of Test Pit: 11'3" Depth to ground water: N/A

Description of Soil: OTS - SAND & GRAVEL W STONE SAND

Nature of Repairs or Alterations - Answer when applicable:



Agreement: The undersigned agrees to install the aforescribed 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: [Signature] Date: 3-8-79

Application Approved By: [Signature] Date:

Application Disapproved for the following reasons: Date:

Permit No. 89-1 Revised 5/25/90 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 W. W. CLARK Installer at Lot # 53 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. 89-1 Revised 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

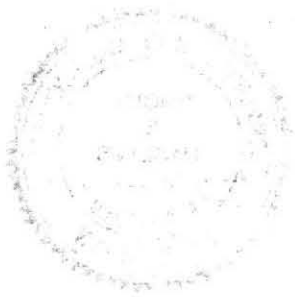
TOWN OF Amherst

Disposal Works Construction Permit

Permission is hereby granted W. W. CLARK to Construct (✓) or Repair ( ) an Individual Sewage Disposal System at No. Lot # 53 TRILLIUM WAY Street as shown on the application for Disposal Works Construction Permit No. 89-1 Revised 5/21/90 Dated:

DATE: March 16, 1989 Board of Health [Signature]

CHECK OR FILL IN WHERE APPLICABLE



No. 89-1

FEE \$90 pd  
ck 296

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:

1 Trillium Way Amherst Woods Lot # 53 Amherst MA  
C & C Contractors Inc Location - Address P.O. Box 532 Leeds MA  
W.W. Clark Owner SHUTESBURY MA  
Installer Address

Type of Building Size Lot 43790 Sq. feet  
Dwelling - No. of Bedrooms 4 Expansion Attic ( ) Garbage Grinder ( )  
Other - Type of Building Single Family No. of persons 8 Showers (2) - Cafeteria ( )  
Other fixtures

Design Flow 5.5 gallons per person per day. Total daily flow 440 gallons.  
Septic Tank - Liquid capacity 1500 gallons Length 10' Width 5' Diameter Depth 64"  
Disposal Trench - No. 3 Width 3 Total Length 50 Total leaching area 1350 sq. ft.  
Seepage Pit No. Diameter Depth below inlet Total leaching area sq. ft.

Other Distribution box (✓) Dosing tank ( )  
Percolation Test Results Performed by Timothy E. Maginnis 3-3-89  
Test Pit No. 1 8 minutes per inch Depth of Test Pit 11'3" Depth to water N/A  
Test Pit No. 2 minutes per inch Depth of Test Pit 11'3" Depth to ground N/A

Description of Soil OTS - SAND & GRAVEL w/ STONES

Nature of Repairs or Alterations - Answer when applicable



Agreement:  
The undersigned agrees to install the aforementioned 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 Cordell PA 3/8/89 Date

Application Approved By \_\_\_\_\_ Date \_\_\_\_\_

Application Disapproved for the following reasons: \_\_\_\_\_ Date \_\_\_\_\_

Permit No. 89-1 Issued \_\_\_\_\_ Date \_\_\_\_\_

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF Amherst

Certificate of Compliance

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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 W.W. Clark to Construct (✓) or Repair ( ) an Individual Sewage Disposal System at No. Lot # 53 Trillium Way Street as shown on the application for Disposal Works Construction Permit No. 89-1 Dated \_\_\_\_\_

DATE March 16, 1989 \_\_\_\_\_ Board of Health

CHECK OR FILL IN WHERE APPLICABLE





CITY/TOWN OF Amherst  
 PERC TEST DATA SHEET

DATE 3/3/89 LOCATION Trillion Way LOT SIZE 1 1/2

OWNER E + C Contractors ADDRESS \_\_\_\_\_ TEL. # \_\_\_\_\_

P.E./RS McGinis FIRM Some OBSERVED BY David Z...

BACK HOE OPERATOR \_\_\_\_\_ BENCH MARK \_\_\_\_\_

PERC DEPTH 65" PRE SOAK TIME 1:48 PERC DEPTH \_\_\_\_\_ PRE SOAK TIME \_\_\_\_\_

TEST <u>12" 2:03</u>	<u>8" 2:21</u>	_____	_____
<u>11" 2:06</u>	<u>7" 2:28</u>	_____	_____
<u>10" 2:10</u>	<u>6" 2:36</u>	_____	_____
<u>9" 2:15</u>	<u>3" 2:11</u>	_____	_____

RATE 8 RATE \_\_\_\_\_

# 1

TOP 4
SUB 29
med sand + gravel stone DRY 11'3"

TOP
SUB

# 2

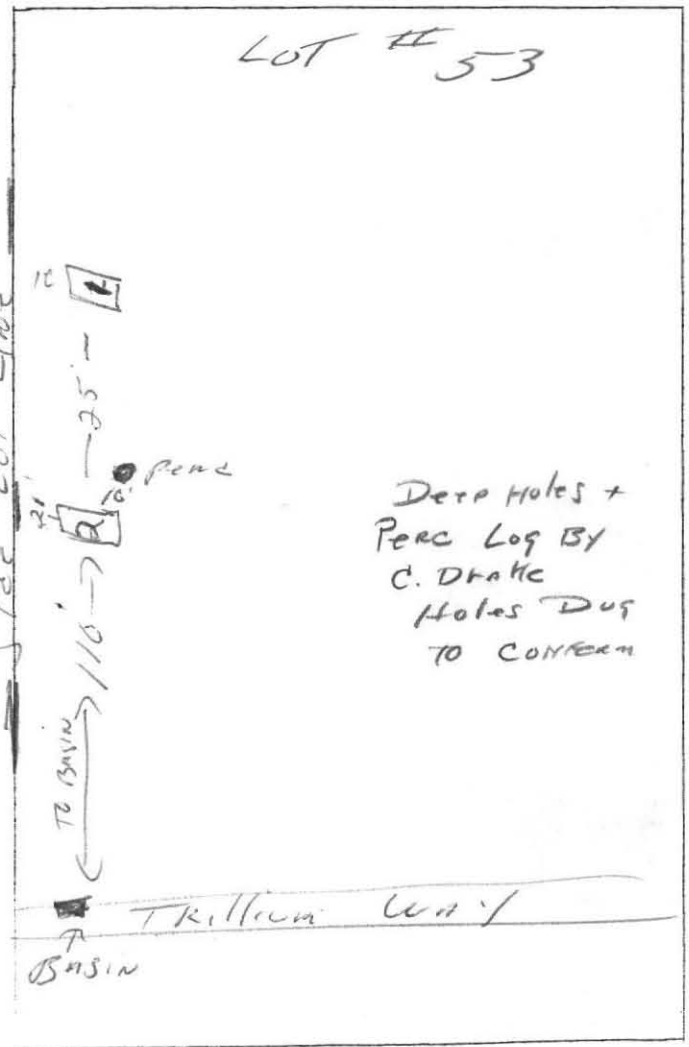
STWY

TOP 4"
SUB 22"
Base of Gravel 58" med sand DRY 11'3"

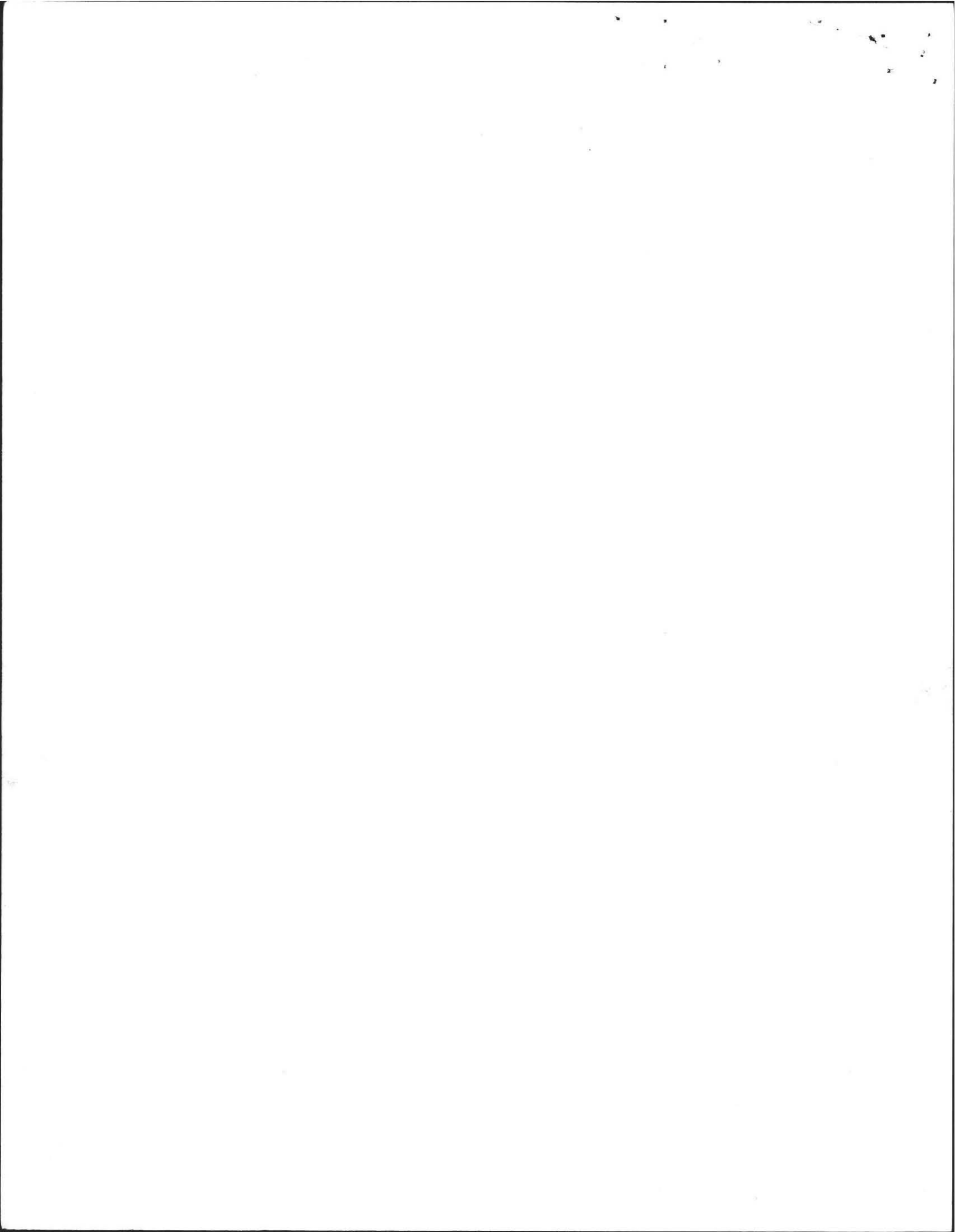
TOP
SUB

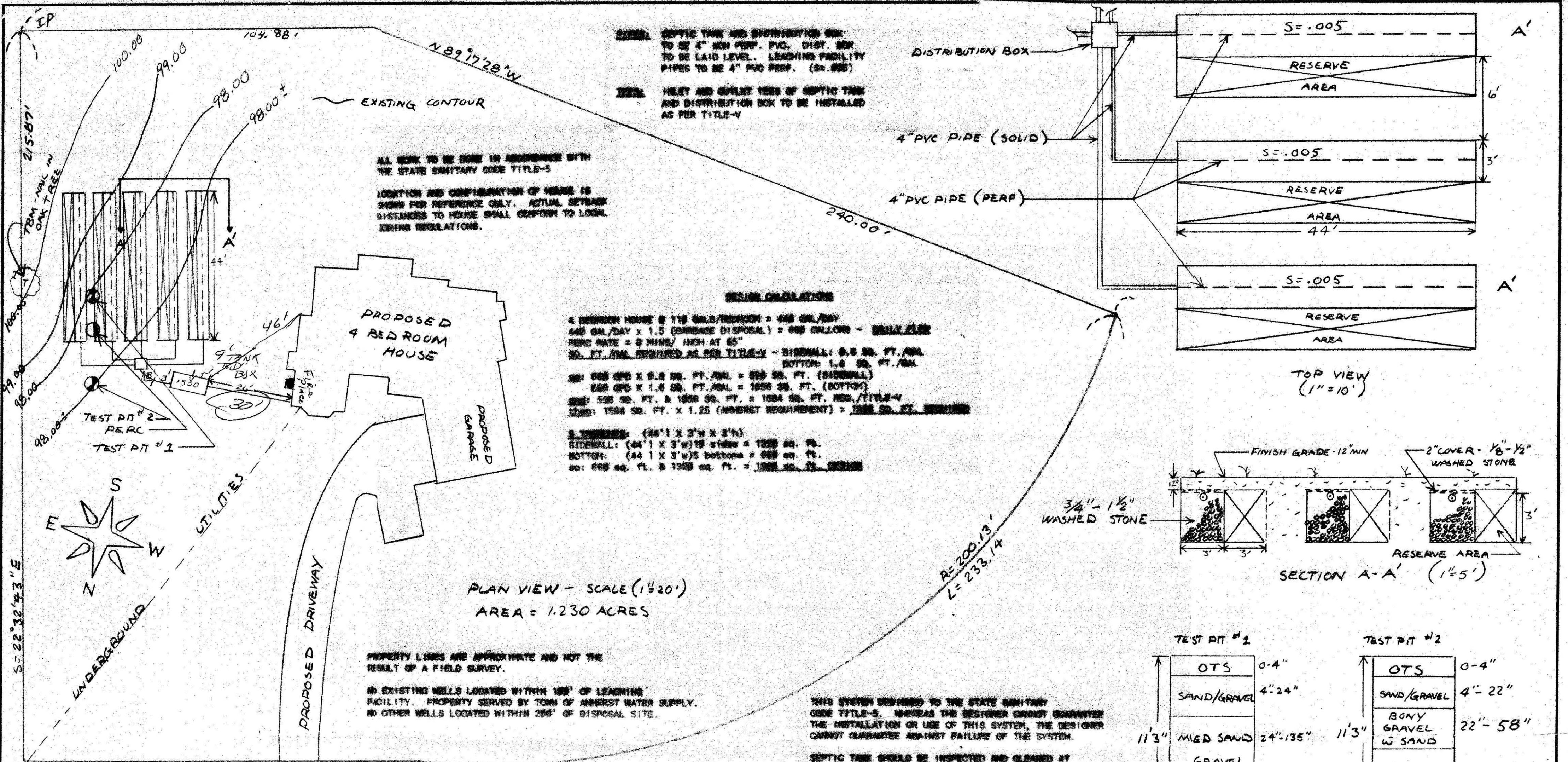
TOP
SUB

TOP
SUB



DETAILED HOLES +  
 PERC LOG BY  
 C. DRAC  
 HOLES DUG  
 TO CORRECT





**PIPE:** SEPTIC TANK AND DISTRIBUTION BOX TO BE 4" NON PERF. PVC. DIST. BOX TO BE LAID LEVEL. LEACHING FACILITY PIPES TO BE 4" PVC PERF. (S=.005)

**INSTALL:** INLET AND OUTLET TEES OF SEPTIC TANK AND DISTRIBUTION BOX TO BE INSTALLED AS PER TITLE-V

ALL WORK TO BE DONE IN ACCORDANCE WITH THE STATE SANITARY CODE TITLE-5

LOCATION AND CONFIGURATION OF HOUSE IS SHOWN FOR REFERENCE ONLY. ACTUAL SETBACK DISTANCES TO HOUSE SHALL CONFORM TO LOCAL ZONING REGULATIONS.

**DESIGN CALCULATION**

4 BEDROOM HOUSE @ 110 GALS/PERSON = 440 GALS/DAY  
 440 GALS/DAY x 1.5 (GARAGE DISPOSAL) = 660 GALLONS - **WASHED STONE**  
 PERC RATE = 8 MIN/INCH AT 65"  
 SQ. FT. AREA REQUIRED AS PER TITLE-V - SIDEWALL: 6.8 SQ. FT./GAL  
 BOTTOM: 1.6 SQ. FT./GAL

2 TRENCHES: (44' x 3' x 3')  
 SIDEWALL: (44' x 3' x 3') x 2 sides = 1320 sq. ft.  
 BOTTOM: (44' x 3') x 2 bottoms = 660 sq. ft.  
 SQ. FT. @ 65" = 1320 sq. ft. & 1320 sq. ft. = 1320 SQ. FT. REQUIRED

**PLAN VIEW - SCALE (1/4"=20')**

**AREA = 1.230 ACRES**

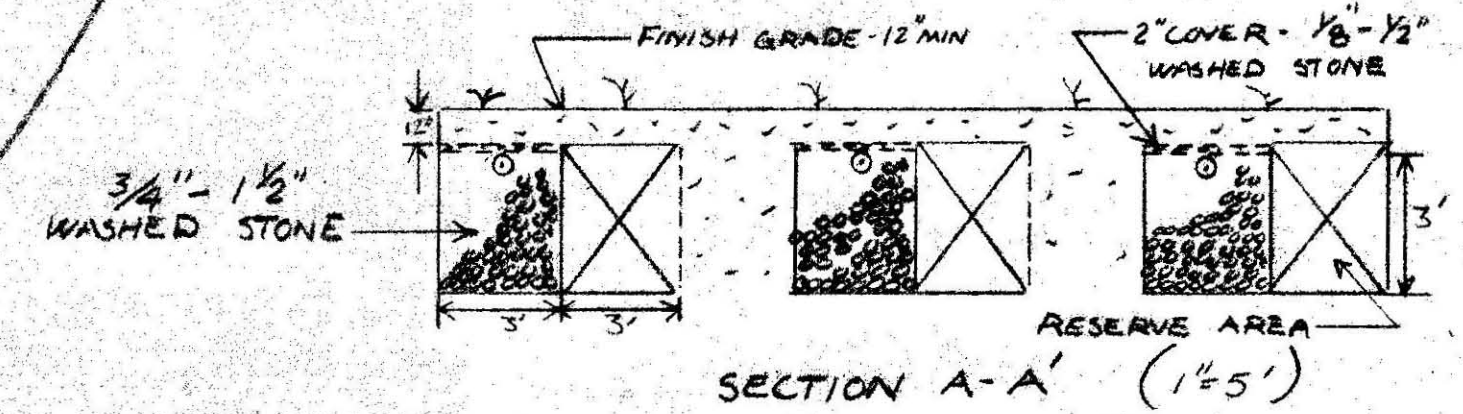
PROPERTY LINES ARE APPROXIMATE AND NOT THE RESULT OF A FIELD SURVEY.

NO EXISTING WELLS LOCATED WITHIN 100' OF LEACHING FACILITY. PROPERTY SERVED BY TOWN OF AMHERST WATER SUPPLY. NO OTHER WELLS LOCATED WITHIN 200' OF DISPOSAL SITE.

THIS SYSTEM DESIGNED TO THE STATE SANITARY CODE TITLE-5. WHEREAS THE DESIGNER CANNOT GUARANTEE THE INSTALLATION OR USE OF THIS SYSTEM, THE DESIGNER CANNOT GUARANTEE AGAINST FAILURE OF THE SYSTEM.

SEPTIC TANK SHOULD BE INSPECTED AND CLEARED AT LEAST ANNUALLY.

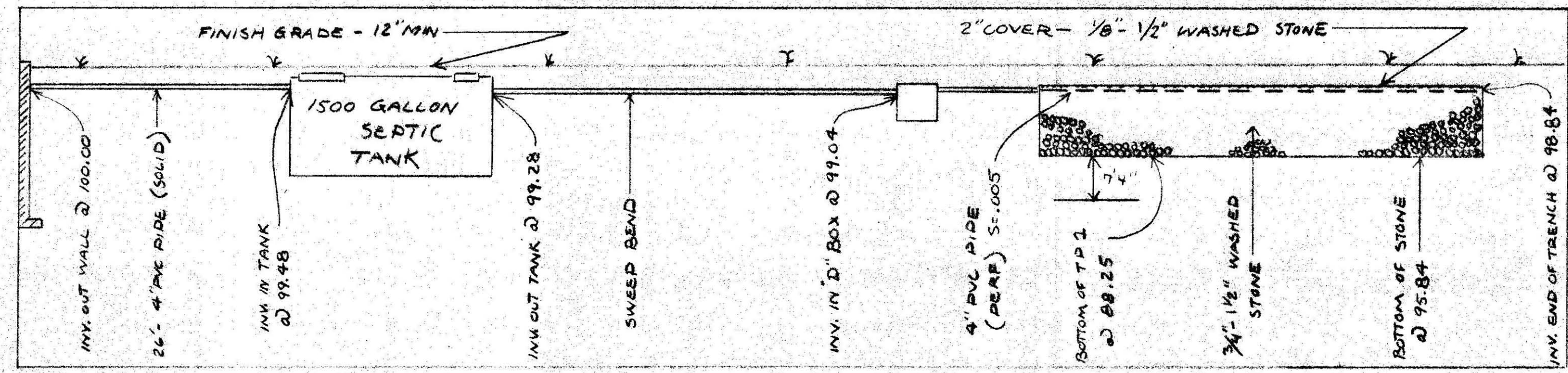
THIS SYSTEM IS DESIGNED FOR A GARAGE DISPOSAL HOWEVER A GARAGE DISPOSAL IS NOT RECOMMENDED



TEST PIT #1		TEST PIT #2	
OTS	0'-4"	OTS	0'-4"
SAND/GRAVEL	4'-24"	SAND/GRAVEL	4'-22"
MED SAND	24'-135"	BONY GRAVEL W SAND	22'-58"
GRAVEL W STONES		MED SAND	58'-135"
11'3" TOTAL		11'3" TOTAL	

GROUNDWATER: NONE  
 OXIDES: NONE  
 PERC RATE: 8 MIN/IN @ 65"

GROUNDWATER: NONE  
 OXIDES: NONE



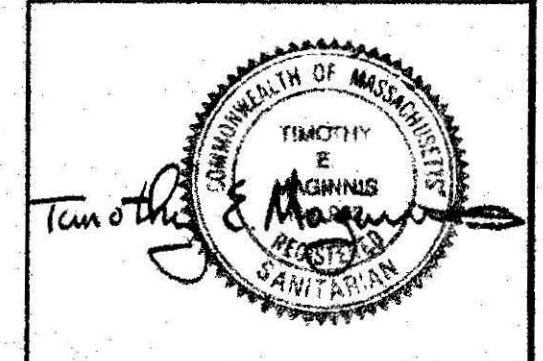
**SEPTIC TEST DATA**

NAME OF HEALTH: DAVID ZAROWSKI

DATE OF TEST: MARCH 3, 1989

REPORTED BY: TIMOTHY E. MAGINNIS, R.S.

TEST DATE: 4:00 PM / 12:45 PM AS NEEDED



PROPOSED SEWAGE DISPOSAL SYSTEM		
LOT # 53 TRILLIUM WAY AMHERST WOODS AMHERST MA.		
SCALE: AS NOTED	APPROVED BY: TIMOTHY E. MAGINNIS R.S. (913) 527-5291	DRAWN BY: TEM
DATE: 12-3-89		REVISED: 12-3-89
FOR: C. FC CONTRACTORS INC. 453 AUDUBON ROAD LEEDS MA.		
BY: TIMOTHY E. MAGINNIS R.S. 70 MONTAGUE RD. WESTHAMPTON MA.		DRAWING NUMBER: 104-A-89

