#234

No. 92-1 (Revised)

FEE 60.00

THE COMMONWEALTH OF MASSACHUSETTS

# BOARD OF HEALTH

TOWN OF AMHERST MASS

## Application for Disposal Works Construction Permit

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

J. STOSZ 234 MARKET HILL ROAD Amherst
Location - Address or Lot No.

J. STOSZ 234 MARKET HILL ROAD Amherst
Owner Address

Installer Address

Type of Building Size Lot EASEMENT Sq. feet

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

Other — Type of Building Residence No. of persons 12 Showers (2) — Cafeteria ( )

Other fixtures 1 Floor Drain

Design Flow 110 gallons per person per day. Total daily flow 1100 GPD gallons.

Septic Tank — Liquid capacity 1500 gallons Length 6'-6" Width 5'-0" Diameter Depth 5'-0"

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

Seepage Pit No. 1 Diameter 12'-0" Depth below inlet 3'-0" Total leaching area 339 sq. ft.

Other Distribution box ( ) Dosing tank ( )

Percolation Test Results Performed by MR. SULLIVAN Date 12/23/94

Test Pit No. 1 2.0 minutes per inch Depth of Test Pit 10'-0" Depth to ground water 8'-0"

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

Description of Soil TP#1 0-10 DISCONN. 10-120 well graded gravel w/ little silt & clay

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 [signature] 11/14/94
Date

Application Approved By [signature] 11/14/94
Date

Application Disapproved *for the following reasons:*

Date

Permit No. 92-1 Revised Issued 11/14/94
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 J. STOSZ
Installer

at 234 MARKET HILL Rd

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. 92-1 dated

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

DATE 11-5-94 Inspector [signature]

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

No. 94-1 TOWN OF Amherst FEE 60.00

## Disposal Works Construction Permit

Permission is hereby granted J. STOSZ

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

at No. 234 Market Hill Rd
Street

as shown on the application for Disposal Works Construction Permit No. 92-1 Dated 11/14/94

Board of Health

DATE 11/14/94

FORM 1255 A. M. SULKIN, BOSTON

CHECK OR FILL IN WHERE APPLICABLE

92-1 11/14/94 92-1 Revised

No. ..... Fee 160.00 Pd. ck 3938

THE COMMONWEALTH OF MASSACHUSETTS

# BOARD OF HEALTH

TOWN OF Amherst MA

## Application for Disposal Works Construction Permit

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

JOHN STOSZ 234 MARKET Hill Rd Amherst
Location - Address or Lot No.

JOHN STOSZ 234 MARKET Hill Rd Amherst
Owner Address

STOSZ Market Hill Rd
Installer Address

549-3536 / 549-6635

Type of Building Size Lot Exist Sq. feet

Dwelling — No. of Bedrooms 6 Bedrm Expansion Attic ( ) Garbage Grinder (X) No

Other — Type of Building Resident No. of persons 12 Showers (4) — Cafeteria (X) No

Other fixtures PARTIAL & FULL BMT NO DRAINS

Design Flow 110 x 6 x 125 gallons per ~~person~~ per day. Total daily flow 825 gallons.

Septic Tank — Liquid capacity 1500 gallons Length 10'6 Width 5 Diameter ..... Depth 5

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

Seepage Pit No. 1 Diameter 13'x18' Depth below inlet 5.33' Total leaching area ..... sq. ft.

Other Distribution box (X) NO Dosing tank ( ) BOTTOM 234 SIDES 330

Percolation Test Results Performed by WJ SIERUTA Date 12/23/91

Test Pit No. 1 2.0 minutes per inch Depth of Test Pit 64 Depth to ground water DNA

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

Description of Soil TPi-1 0-16 OTS LOAM 16-180 well graded gravel NO SUB SOIL NO H2O

Nature of Repairs or Alterations — Answer when applicable TPi-2 0-16 OTS 16-54 well graded gravel stopped water

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 X [signature] X 2/7/92 Date

Application Approved By Clared Zeigenbein for A.H.D. 1/14/92 Date

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

..... Date

Permit No. 92-1 Issued ..... Date

CHECK OR FILL IN WHERE APPLICABLE

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 M. STOSZ
Installer

at 234 Middle ST

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. 92-1 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. 92-1 TOWN OF Amherst Fee 160.00 pd ck 3938 12/23/91

## Disposal Works Construction Permit

Permission is hereby granted M. STOSZ

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

at No. 234 MARKET Hill Rd.
Street

as shown on the application for Disposal Works Construction Permit No. 92-1 Dated .....

Clared Zeigenbein for Amherst Health Dept.
Board of Health

DATE 1/14/92

FORM 1255 A. M. SULKIN, BOSTON

EAST COAST CONST. Service
3938
Pd. 160.00

TOWN OF AMHERST

PERC TEST DATA SHEET

DATE 12/23/91 LOCATION 234 MARKET Hill Road LOT SIZE _____

OWNER JOHN STOSZ ADDRESS 234 MARKET Hill Rd TELE # _____

P.E./RS William J. SIEROTA FIRM William J. SIEROTA OBSERVED BY David Zarozinski

BACK HOE OPERATOR MIKE STOSZ TELE _____ BENCH MARK _____

PERC DEPTH 64" PRE SOAK TIME _____ PERC DEPTH ___ PRE SOAK TIME _____

TEST _____

CONT Hold

RATE 3" in 45 Sec RATE _____

#1

| TOP 16 | TOP |
|---|---|
| NO SUB | SUB |
| gravel | |

DRY 15'

| TOP | TOP |
|---|---|
| SUB | SUB |
| | |

| TOP | TOP |
|---|---|
| SUB | SUB |
| | |

6 Bedroom

TOWN WATER + shallow well

100' well ?

Garage

Perc 15'

Porch

Barn

MARKET Hill Road

EH1:PERCFORM

## Percolation Test

Test No. perc test

| Reading Saturation (15 min) | Time | 25 gals |
|---|---|---|
| 12 | | |
| 11 | | |
| 10 | | |
| 9 | | 9.30 |
| 8 | 45 sec | |
| 7 | | |
| 6 | 3 | 9 31 |

Perc Rate 2.0 Min/inch
Ground Elev. —
Depth of Hole 64"

Test No. _____

| Reading Saturation (15 min) | Time |
|---|---|
| | |

Perc. Rate _____ Min/inch
Ground Elev. _____
Depth of Hole _____

### Deep Test Pit/s

Test Pit TP1-1

| Depth | Soil Description |
|---|---|
| 0-16 | OTS LOAM |
| 16-15' | NO SUB SOIL |
| | well graded gravel |

Groundwater Depth DRY Elev. _____
Bedrock Depth — Elev. _____
Ground Elev. —

Test Pit TP1-2

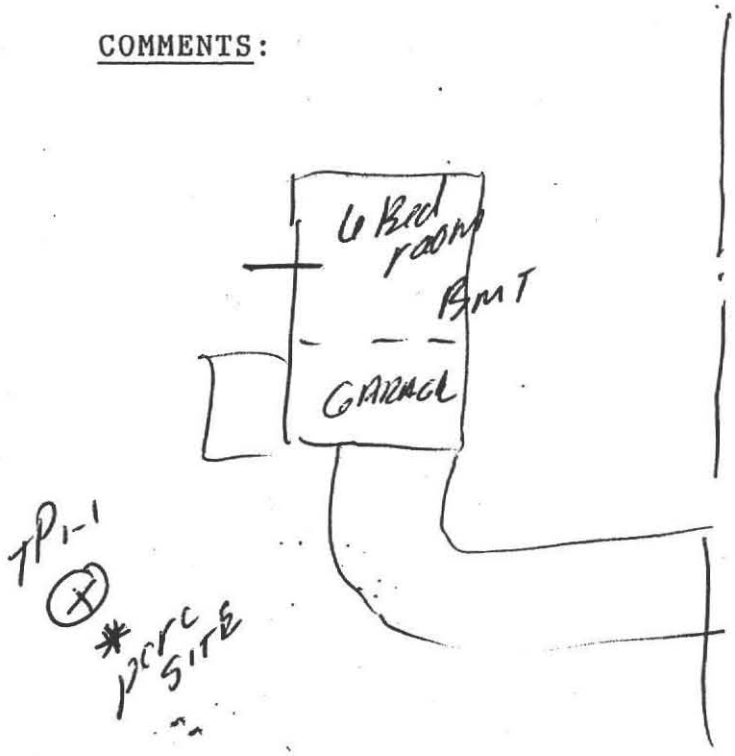
| Depth | Soil Description |
|---|---|
| | 0-16 OTS |
| | Warned 16-64 well graded |
| | Repair |

Groundwater Depth _____ Elev. perc SITE
Bedrock Depth _____ Elev. _____
Ground Elev. _____

S.C.S. Soil Description Gravel Seasonal High Water Table? As NOTED

Bench Mark: Elev. _____ Description _____

COMMENTS:




Date: DEC 23, 1991
Client: JOHN STOSZ
234 MARKET HILL
Amherst
Engineer: W J SIKRUTA
Witness: D. ZARAZINSKI
Location of Perc:
Same

COMMONWEALTH OF MASSACHUSETTS
WILLIAM JOHN SIERUTA
CIVIL
No. 30148
REGISTERED PROFESSIONAL ENGINEER

## Percolation Test

Test No. perc test
Reading Time
Saturation (15 min) 25 gals

| | | |
|---|---|---|
| 12 | | |
| 11 | | |
| 10 | | |
| 9 | | 9.30 |
| 8 | 45 cc | |
| 7 | | |
| 6 | 3 | 9.31 |

Perc Rate 2.0 Min/inch
Ground Elev. —
Depth of Hole 64"

Test No.
Reading Time
Saturation (15 min)

Perc. Rate Min/inch
Ground Elev.
Depth of Hole

### Deep Test Pit/s

Test Pit TP1-1

| Depth | Soil Description |
|---|---|
| 0-16 | OTS LOAM |
| 16-15' | NO SUB SOIL |
| | well graded gravel |

Groundwater Depth DRY Elev. —
Bedrock Depth — Elev. —
Ground Elev. —

Test Pit TP1-2

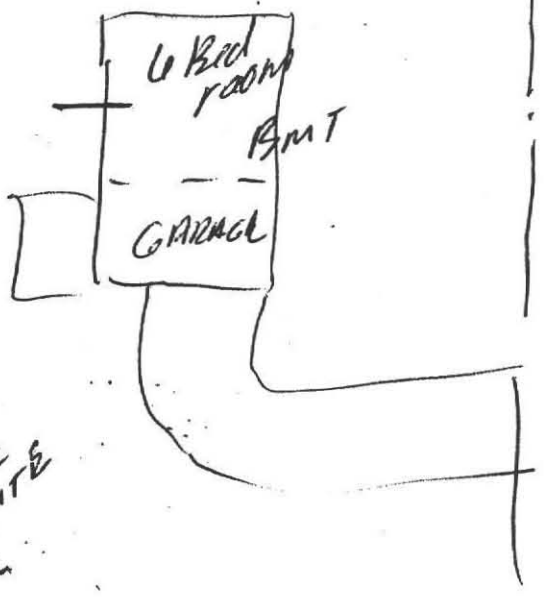
| Depth | Soil Description |
|---|---|
| | 0-16 ots |
| | Washed 16-64 well graded |
| | Repair |

Groundwater Depth — Elev. perc SITE
Bedrock Depth — Elev. —
Ground Elev. —

S.C.S. Soil Description Gravel Seasonal High Water Table? AS NOTED

Bench Mark: Elev. — Description —

COMMENTS:




Date: DEC 23, 1991
Client: JOHN STOSZ
237 MARKET HILL
AMHERST
Engineer: W J SIERUTA
Witness: D. ZARAZINSKI
Location of Perc:
SAME

COMMONWEALTH OF MASSACHUSETTS
WILLIAM JOHN SIERUTA
CIVIL
No. 30148
REGISTERED PROFESSIONAL ENGINEER

APR 1 1 1995

**WILLIAM J. SIERUTA, P.E.**
REGISTERED PROFESSIONAL ENGINEER
46 UPLAND ROAD
HOLYOKE, MASSACHUSETTS 01040
(413) 532-8525

Board of Health
Boltwood Walk
Amherst, MA. 01002
April 8, 9195

Subject: John Stotz
Septic system inspection
Market Hill Road
Amherst, MA.

The subject septic system has been installed in accordance with the approved plans, 310 CMR 15 and local Board of Health regulations.

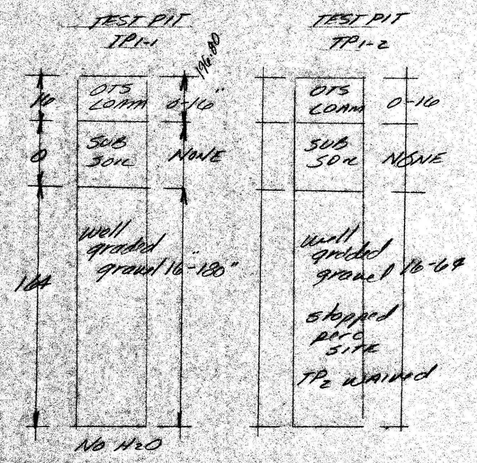
If you need any additional information please do not hesitate to contact me.

Very truly yours,

William J. Sieruta, P.E.

cc: J. Stotz
WJS:mbs

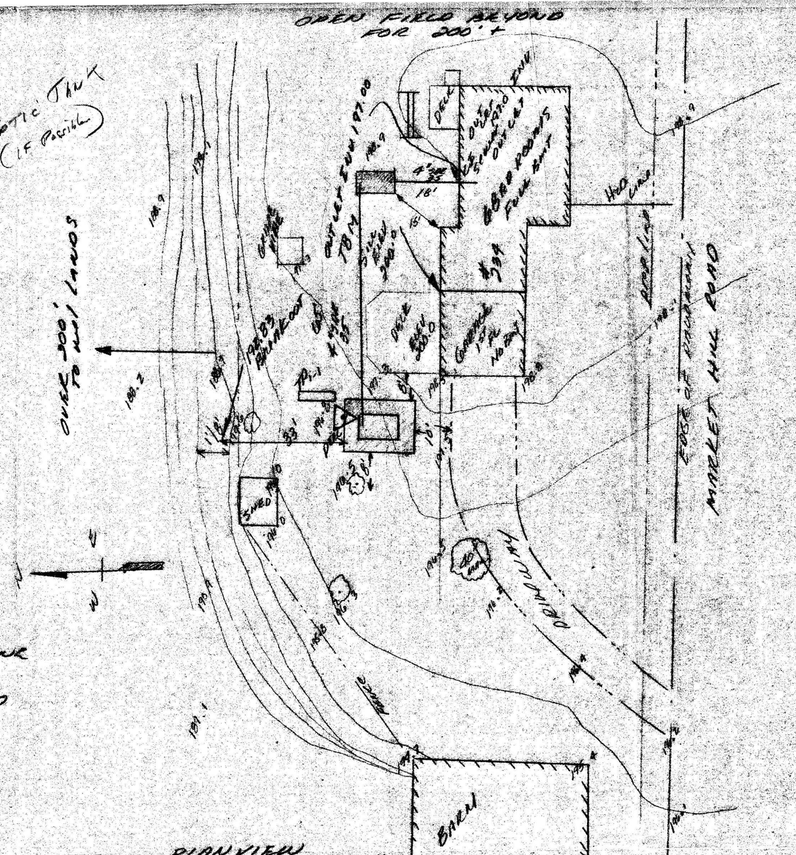
PERCOLATION TEST
INFORMATION



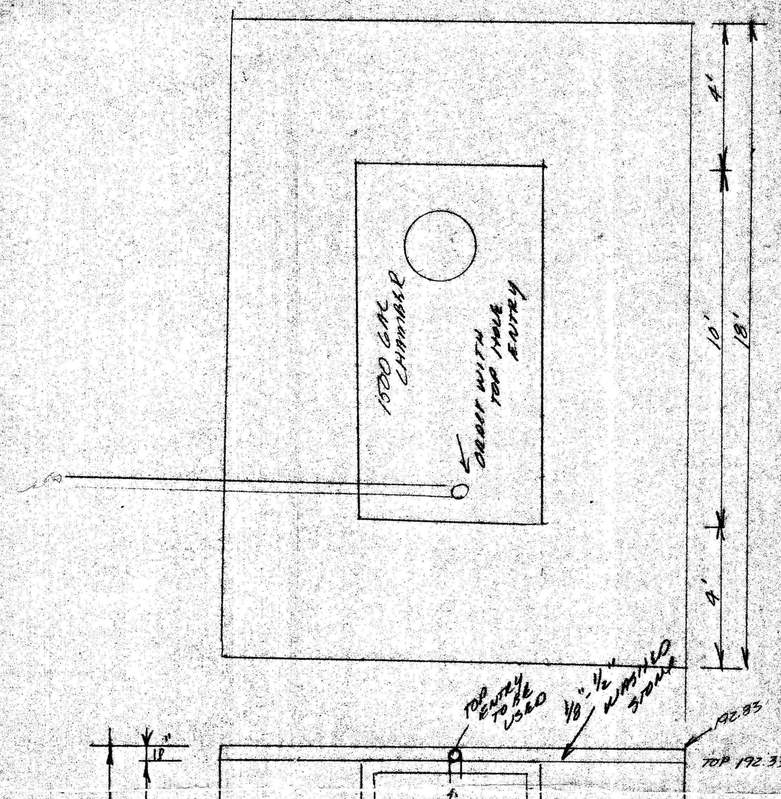

DATE DEC 23 1991
JOHN STOSZ
234 MARKET HILL RD
AMHERST, MASS
ENGR W.J. SIERUTA
WITNESS D ZARAZINSKI B.O.H
PERMEABILITY TEST
DEPTH 64"
ACTUAL .25 MIN/INCH
DESIGN RATE 2.0 MIN/INCH

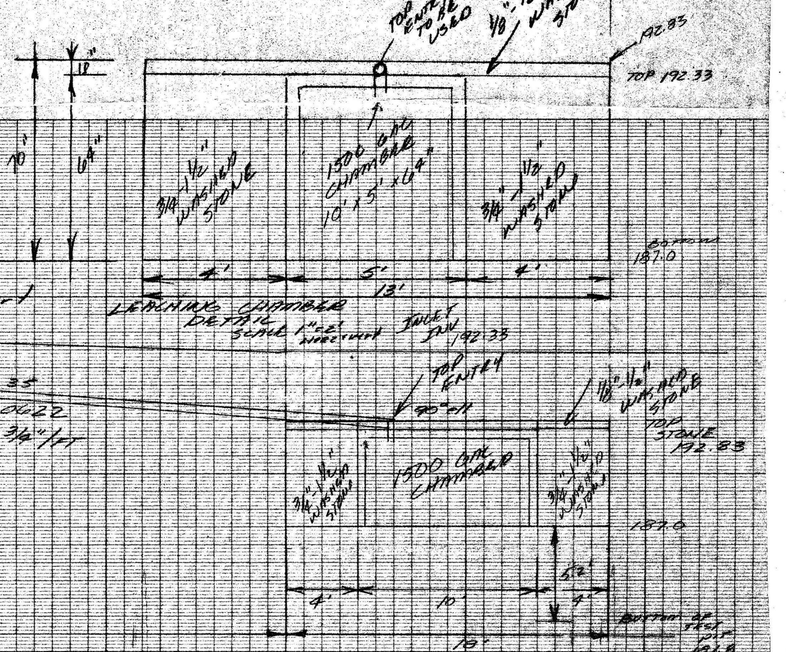
USE OUTLET INV OF CI SEWER LINE AS TBM ELEV 197.00

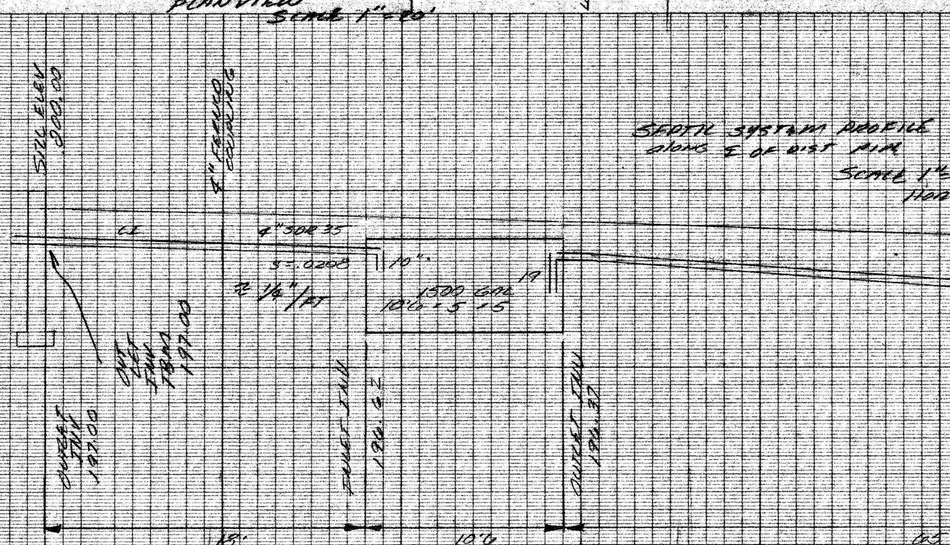
11/14/94 move Septic Tank 26' (if possible)




PLAN VIEW
SCALE 1"=20'




SEPTIC SYSTEM PROFILE along ℄ OF DIST PIPE
SCALE 1"=4' HORIZ & VERT

DESIGN INFORMATION

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH 310 CMR 15.0 TITLE 5 AND LOCAL BOARD OF HEALTH REGULATIONS

FINISH GRADING AND EXISTING PROFILE TO REMAIN SIMILAR. ALL DISTURBED AREAS TO BE LOAMED AND SEEDED

DESIGN CRITERIA

USE EXISTING 6 BEDROOM RESIDENTIAL STRUCTURE WITH FULL BMT
NO DISPOSAL UNIT

DESIGN FLOW 310 CMR 15.02
110 GAL/BEDROOM × 6 = 660 GALS
AMHERST B.O.H REGULATION
660 GAL × 1.25% = 825 GALS

SEPTIC TANK REQD 310 CMR 15.06
660 GAL × 150% × 1.25% = 1238 GAL
USE 1500 GAL SEPTIC TANK
10'6" × 5' × 5'
USE PRECAST CONC SEPTIC TANK
58" FROM BASE TO INLET INV ELEV

LEACHING SYSTEM DESIGN
DUE TO SOIL CONDITIONS AND TOPOGRAPHY A LEACHING PIT DESIGN IS TO BE USED

EFFECTIVE WIDTH 13'
EFFECTIVE LENGTH 18'
EFFECTIVE DEPTH 64" (5.33 FT)

310 CMR 15.03
PERMEABILITY PIPE 2.0 MIN/INCH
BOTTOM 1.0 GAL/FT²
SIDEWALLS 2.5 GAL/FT²

BOTTOM AREA 13' × 18' = 234 FT²
SIDEWALL AREA
18' × 2 × 5.33 + 13' × 2 × 5.33
262 FT²
330.46 FT²
TOTAL PERMEABILITY
262 × 2.5 + 234 × 1.0 = 889 gal/PAY
Exceeds Reqd Flow

INSTALLATION NOTES

1 SEPTIC TANK TO HAVE INLET AND OUT LET TEES IN ACCORDANCE WITH 310 CMR 15.06 SECTION 8 & 9
2 SEPTIC TANK & CHAMBER to be set LEVEL ON COMPACT MATERIAL
3 ALL PIPE JOINTS WITH TANK AND CHAMBER TO BE ASPHALT ROPE SEALED
4 TOP ENTRY INTO CHAMBER TO BE USED EFFECTIVE DEPTH 5.33' (AVAILABLE FROM kellogg manufacturing)
5 OLD SEPTIC TANK to be PUMPED, CRUSHED & SAND FILLED)

310 CMR 15.03
SLOPE BREAK OUT ELEV 192.83
REQD
150' × 1/8 = 18.75'
200' × 1/8 = 25.0'
AVAILABLE OFFSET TO BREAK OUT ELEV 192.83
33'
MEETS CODE & REGULATIONS

SEPTIC SYSTEM DESIGN FOR
JOHN STOSZ
234 MARKET HILL RD
AMHERST, MASS
ENGR W.J. SIERUTA PE
DATE: DEC 24 1991