

EMILY LEWIS
339 POTWINE LANE



#339

No. 92-4

Fee 160.00
CH 1895

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:

339 Potwine Lane Lot 1
Mrs. R. Hedlund Location - Address
Chuck Walker Owner
339 Potwine Lane or Lot No.
Kimball St., Belchertown Address

Type of Building Dwelling - No. of Bedrooms 3 Expansion Attic (X) Garbage Grinder (N)
Other - Type of Building Residential No. of persons Showers () - Cafeteria ()
Other fixtures

Design Flow 55 gallons per person per day. Total daily flow 412.5 gallons.
Septic Tank Liquid capacity 1000 gallons Length 102 Width 58" Diameter 22 Depth 64"
Disposal French No. 1 Width 12 Total Length 80 Total leaching area 960 sq. ft.
Seepage Pit No. Diameter Depth below inlet Total leaching area sq. ft.

Other Distribution box (X) Dosing tank (N)
Percolation Test Results Performed by A. Weiss Date 3/6/92
Test Pit No. 1 20 minutes per inch Depth of Test Pit 9'-3" Depth to ground water 42"
Test Pit No. 2 minutes per inch Depth of Test Pit 9'-0" Depth to ground water 32"

Description of Soil Orange Brown ~~sandy~~ fine-medium sand.

Nature of Repairs or Alterations - Answer when applicable New leaching bed, w/ Pump Chamber.

Agreement: 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 AL E. Weiss Date 3/19/92
(for Mrs. Hedlund)

Application Approved By _____ Date _____

Application Disapproved for the following reasons: _____

Permit No. 92-4 Issued _____ Date _____

Alan Henderson
7/21/93
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 (X) by Charles Walker Installer at 339 Potwine Lane

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. 92-4 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

No. 92-4

Fee 160.00
CH 1895

Disposal Works Construction Permit

Permission is hereby granted Mrs. Hedlund to Construct () or Repair (X) an Individual Sewage Disposal System at No. 339 Potwine Lane

as shown on the application for Disposal Works Construction Permit No. 92-4 Dated _____

DATE _____ Board of Health

7/21/93 my opinion head in new septic tank

CHECK OR FILL IN WHERE APPLICABLE

330-3 PSE

July 4, 1948

Chas. Wiley

1948

1948

1948

1948

1948

1948

1948

1948

1948

1948

H-CP

330-3 PSE

1948

1948

**BOARD OF HEALTH, AMHERST, MASSACHUSETTS
APPLICATION FOR DISPOSAL WORKS CONSTRUCTION PERMIT**

No. 71-12 Date July 15, 71 Fee 32 Date Rec'd. July 21, 1971 By COE

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

Location—Address Pot Wine Lane Amherst or Lot No. 2 South Side
 Owner Richard H. Blow Sr. Address 162 So East St
 Contractor Richard H. Blow Sr. River Dr. Etc. Address River Dr. N. Hapey
 Type of Building Ranch Dimensions 24'8" x 42' Size Lot 36048
 Dwelling—No. of Bedrooms 3 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 300 gallons
 Septic Tank—Liquid capacity 900 gallons Dimensions: L _____ W _____ D _____
 Disposal Trench—No. 2 Width 2 Total Length 100 Total leaching area 400 sq. ft.
 Disposal Bed—No. _____ Diameter _____ Depth below inlet _____ Total leaching area _____ sq. ft.
 Dry Well—No. _____ Diameter _____ Depth below inlet _____ Dimensions: _____ x _____ x _____
 Other: Distribution box () No. _____ Dosing tank ()

(Depth of Soil Line Below finished grade at foundation)
 Percolation Test Results Performed by Leslie A. Campbell Date July 19, 1971
 Test Pit No. 1 15 minutes per inch Depth of Test Pit 34"
 Test Pit No. 2 3 minutes per inch Depth of Test Pit 32"

Description of Soil CLAY - SOME SAND Depth to Ground Water 8'
 Will disposal area be filled? yes - 18" 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 aforescribed 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.

Application Approved by COE Richard H. Blow Sr. 7/19/71
 Owner or builder date
LOCATED IN FRONT Yd. 7/21/71
 date
SUBJECT TO SKETCH PLAN to be submitted

Application Disapproved for the following reasons:

**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. 71-12
 Permission is hereby granted Richard Blow to construct (X) or repair () an Individual Sewage Disposal System at LOT #2 POTWINE SOUTH SIDE as shown on the application for Disposal Works Construction Permit No. 71-12

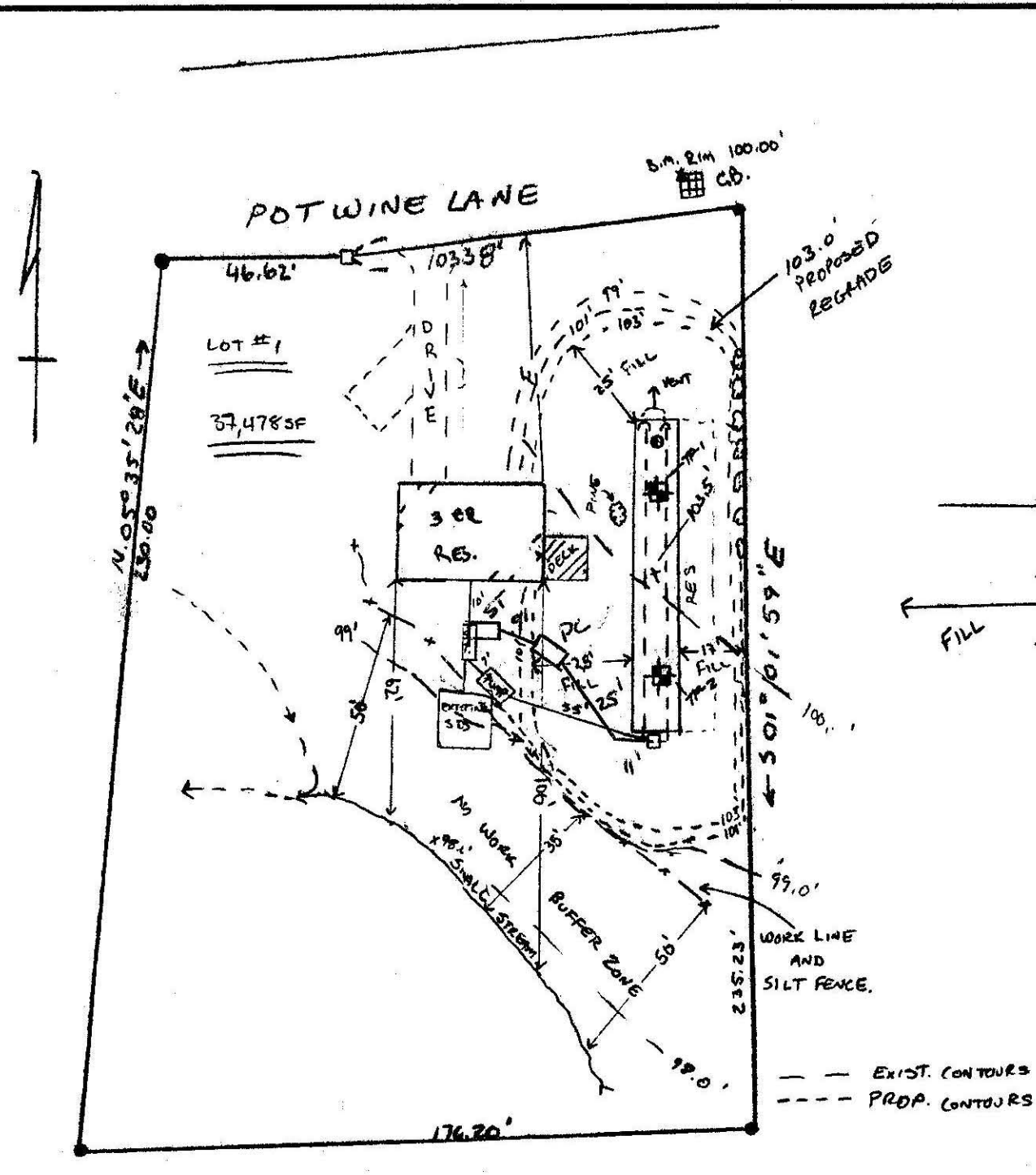
This permit is issued with the understanding that future alterations or additions will be made if necessary. This permit shall not be construed as permission to create or maintain any sewage nuisance and in the issuance of this permit the Board of Health assumes no responsibility for the future operation or maintenance of the system.

DATE July 21, 1971 COE
 Board of Health

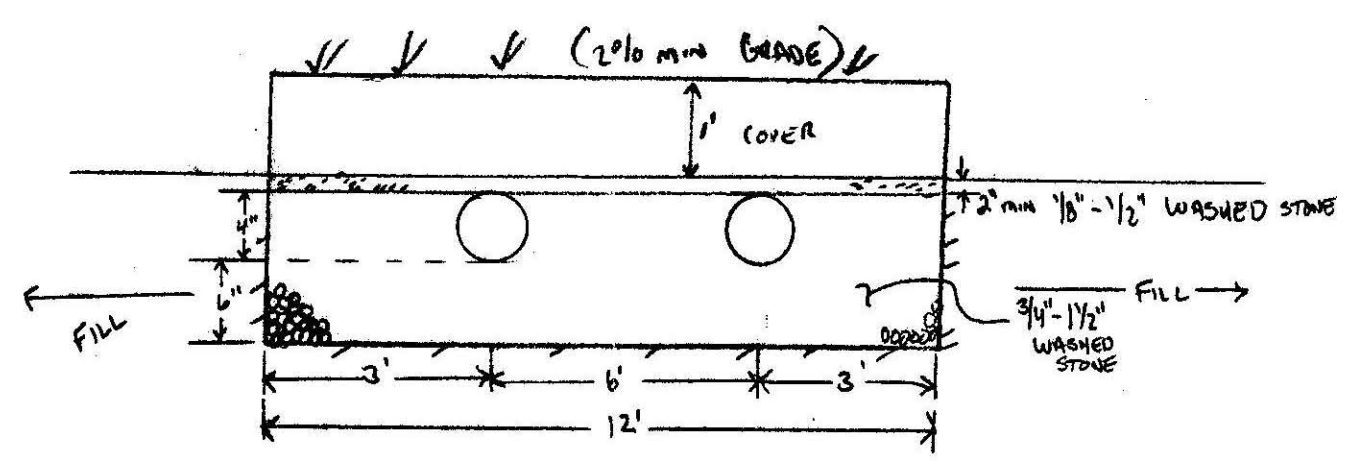
OFFICE OF THE ATTORNEY GENERAL
STATE OF CALIFORNIA

IN WITNESS WHEREOF, I have hereunto set my hand and the seal of the State of California, at the City of Sacramento, this _____ day of _____, 19____.

Attorney General

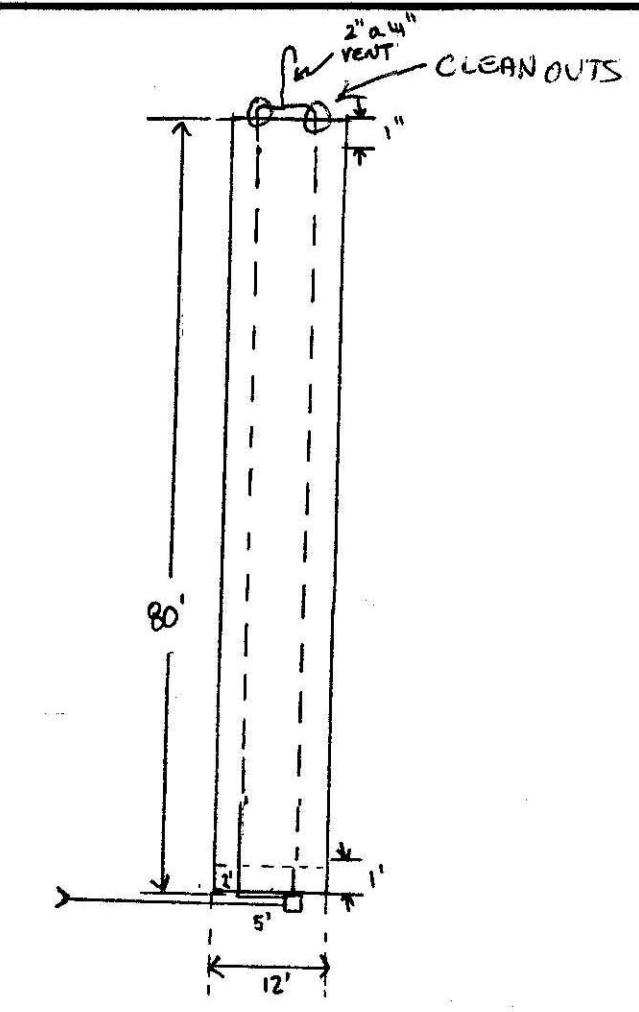


PLOT/SYSTEM PLAN
(SCALE: 1"=40')



CROSS-SECTION OF LEACHING BED
(SYSTEM TO CONSIST OF TWO 4" ID PVC PERFORATED PIPES AT SIX FEET SPACING)
(SCALE: NOTED)

- (NOTE: Remove subsoil + loam TO 98.57' BEFORE FILL PLACEMENT.)
- SLOPE CALLS $(4.5/60) \times 150 = 11.25'$



PLAN OF LEACH BED
(SCALE: NOTED)

TP-1 (100.57')	TP-2 (99.68')
Brown Silty Loam	Brown Silty loam
ORANGE-BROWN SILTY SANDY SUB-SOIL	ORANGE-BROWN SILTY SANDY SUB-SOIL
Brown F.-m. SAND	H ₂ O @ 32"
H ₂ O @ 42"	H ₂ O @ 32"
GREY VANEED SILTY CLAY, STIFF, WET.	GREY VANEED CLAY, SOME SILT, STIFF, WET.
9'-3"	7'-0"

* PERC AND LOGS FROM 3/6/92 BY: A. WEISS
* WITNESS: D. ZARZINSKY, B.O.M.
* PERC HOLE DEPTH = 32"

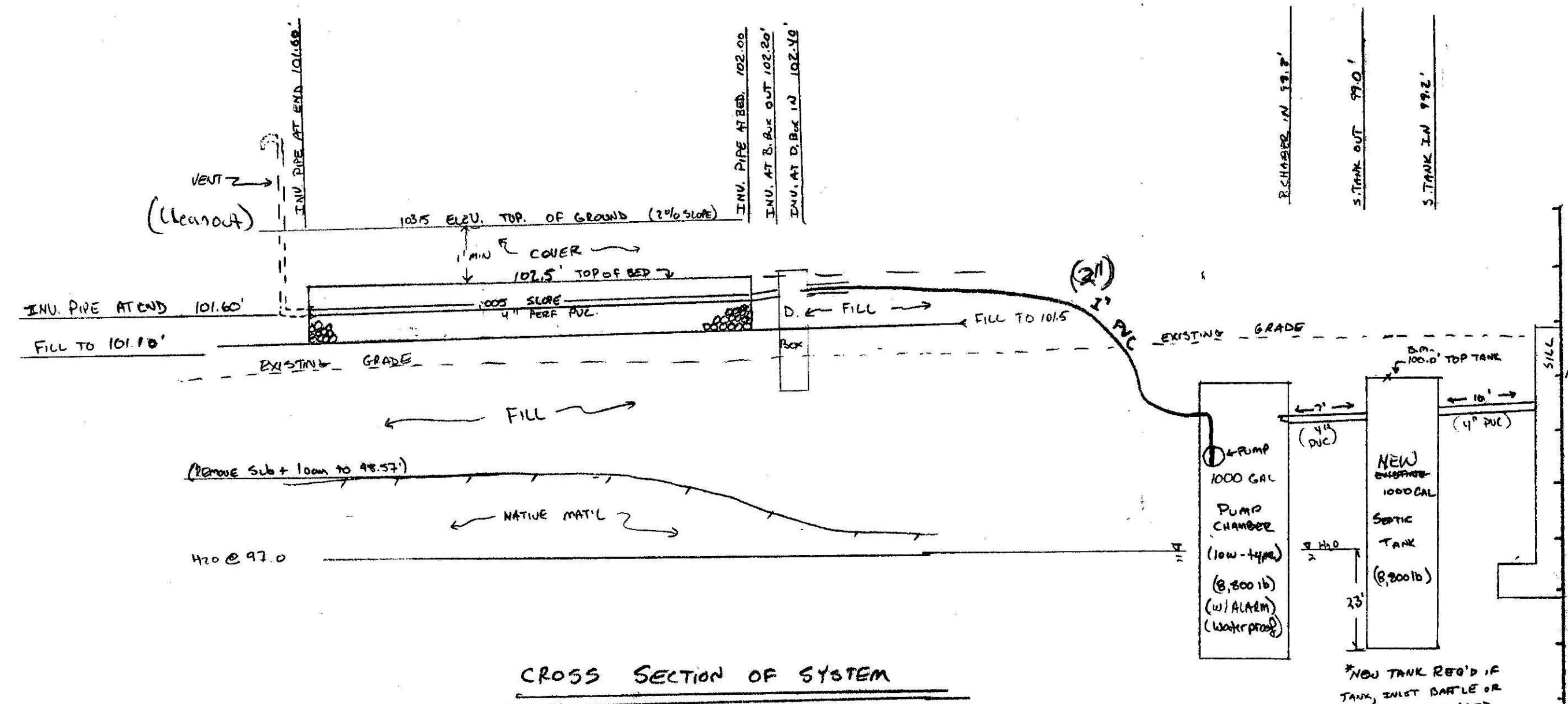
DESIGN NOTES

- DESIGN BASED ON PERC RATE OF 20 MIN/IN.
- DESIGN CRITERIA $3BR \times 110 \frac{GAL}{DAY} \Rightarrow 330 \frac{GAL}{DAY} \times 25\% \Rightarrow 412.5 \frac{GAL}{DAY}$
- ONE 12' x 80' LEACH BED = 960 SF. $\times .43 \frac{GAL}{SF} = 412.8 \frac{GAL}{DAY}$
- ASSUME TWO PIPES 78' LONG W/ 6' SPACING.
- NO GARAGE DISPOSAL ALLOWED.
- FILL TO BE PLACED IN ACCORDANCE W/ TITLE V + AMHERST ANNUAL SANITARIAN TO INSPECT INSTALLATION:
- PERC RATE TEST
- BEFORE FILL PLACEMENT.
- BEFORE STONE PLACEMENT.
- FINAL INSPECTION.
- OUTLET PIPES FROM D. BOX TO BE LEVEL FOR AT LEAST 2'.
- NO WELLS W/IN 100'. ALL AREA SEALED BY PUBLIC WATER.
- SYSTEM REQUIRES PUMP (500 GAL) & 1000 GAL CHAMBER W/ ALARMS. - WWC 511A
- PUMP CHAMBER TO HAVE ALARMS IN ACCORDANCE WITH 310 CMR 10.00.
- NETLAND REQUIREMENTS:

- WORK SUBJECT TO NETLANDS REGS 310 CMR 10.00 & DETERMINATION OF APPLICABILITY.
- ALL WORK IN BUFFER ZONE LIMITED TO SEPTIC TANK CONNECTION, PUMP CHAMBER INSTALLATION AND FILL PLACEMENT.
- ESTABLISH NO WORK ZONE WITH SILTATION FENCE.
- NO WORK W/IN 35' OF RESOURCE AREA.
- APPROX. 3,000 SF IN BUFFER ZONE SUBJECT TO FILLING.
- LEACH FIELD IS MORE THAN 50' FROM RESOURCE AREA.

DEP VARIANCES REQUIRED

- VARIANCE FROM REQUIREMENT OF 4' MIN. NATIVE MATERIAL.
 - VARIANCE ON 25' MIN FILL AROUND L. BED REQUIREMENT.
 - S. TANK BUOYANCY AT 100' TOP ELEV. $2.55' \text{ IN } H_2O \times 415F \times 62.4 \frac{LB}{FT^3} = 6,020.3 \text{ LB}$
 - L. CHAMBER BUOYANCY AT 96.6' TOP ELEV. $2.75' \text{ IN } H_2O \times 415F \times 62.4 \frac{LB}{FT^3} = 7,045 \text{ LB}$
 - L. CHAMBER + S. TANK (EMPTY WEIGHT = 8,800 LB); THIS NOT BUOYANT.
- SEPTIC TANK HAS PARTITION INERT BARBLE AND TEE OUTLET (RELLOC BROS.)
- INSTALLED INLET TO S. TANK W/ CTR. TEE.



CROSS SECTION OF SYSTEM



SEPTIC SYSTEM REPAIR PLAN FOR
MS. HEDLUND 339 POTWINE LANE, AMHERST, MA.

SCALE: NOTED	APPROVED BY: <i>AW</i>	DRAWN BY: <i>AW</i>
DATE: 3/18/92		REVISED: 5/1/92
COLD SPRING ENVIRONMENTAL CONSULTANTS, INC. BELCHERTOWN, MA.		
AS BUILT	7/23/93 <i>AW</i>	DRAWING NUMBER: 92-151-0229