

OK 6427
BAKER

#137

No. 93-9

FEE 6/16/93

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 (X) or Repair () an Individual System at:

137 SHUTESBURY ROAD LOT 3
THOMAS AND LYNN BAKER MIDDLEBURY, VERMONT
Location - Address or Lot No.
Owner Address

Type of Building
Dwelling - No. of Bedrooms 5 Expansion Attic () Garbage Grinder (No)
Other - Type of Building No. of persons Showers () - Cafeteria ()
Other fixtures

Design Flow 55 gallons per person per day. Total daily flow 550 gallons.
Septic Tank - Liquid capacity 1000 gallons Length 8'-6" Width 4'-10" Diameter Depth 5'-4"
Disposal Trench - No. 3 Width 2'-5" Total Length 90 Total leaching area 495 sq. ft.
Seepage Pit No. Diameter Depth below inlet Total leaching area sq. ft.
Other Distribution box (X) Dosing tank ()
Percolation Test Results Performed by COLD SPRINGS ENVIRONMENTAL BELMERTOWN Date MAR 10 1992
Test Pit No. 1 2 minutes per inch Depth of Test Pit 108" Depth to ground water 103"
Test Pit No. 2 2 minutes per inch Depth of Test Pit 108" Depth to ground water 102"

Description of Soil 0-26" TOPSOIL & SUBSOIL 26"-108" BROWN MEDIUM & COARSE SAND AND GRAVEL.

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 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 [Signature] Date 6/16/93
Application Approved By [Signature] Date 6/18/93
Application Disapproved for the following reasons:

Permit No. 93-9 Issued Date

THE COMMONWEALTH OF MASSACHUSETTS
BOARD OF HEALTH

TOWN OF Amherst

Certificate of Compliance

[Signature] 11/17/93
[Signature]

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed (X) or Repaired () by W.W. Clark Installer at Shutesbury Road Lot 3 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. 93-9 dated

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

DATE 11/17/93 Inspector [Signature]

THE COMMONWEALTH OF MASSACHUSETTS
BOARD OF HEALTH

TOWN OF Amherst

Disposal Works Construction Permit

Permission is hereby granted Thomas Lynn Baker to Construct (X) or Repair () an Individual Sewage Disposal System at No. Shutesbury Road Lot 3 as shown on the application for Disposal Works Construction Permit No. 93-9 Dated 6/18/93

DATE 6/18/93 Board of Health [Signature]

6/16/93
OK 6427
FEE 60 FOR PLAN

CHECK OR FILL IN WHERE APPLICABLE



BOARD OF TRADE

MEMORANDUM TO THE BOARD OF TRADE

RE: [Illegible]

DATE: [Illegible]

TO: [Illegible]

FROM: [Illegible]

SUBJECT: [Illegible]

PERC TEST DATA SHEET

DATE 3/10/92 LOCATION Shutesbury Road LOT SIZE _____

OWNER MARTIN PLANTING ADDRESS ch Woodbridge TELE # _____

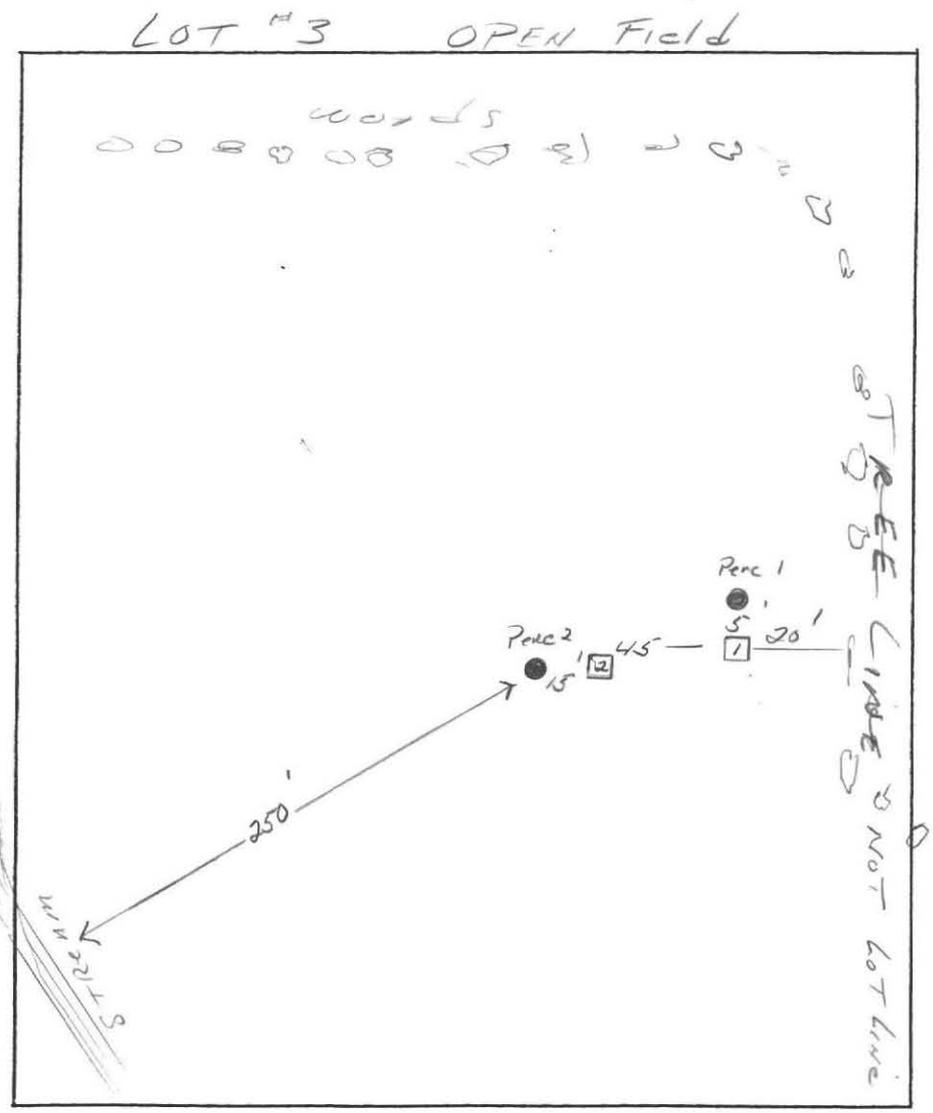
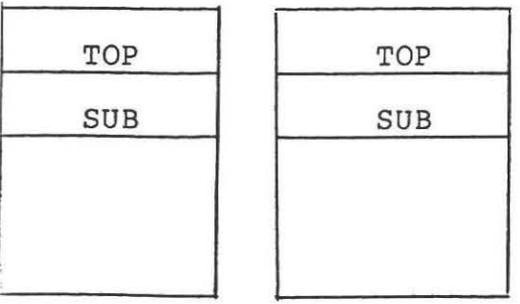
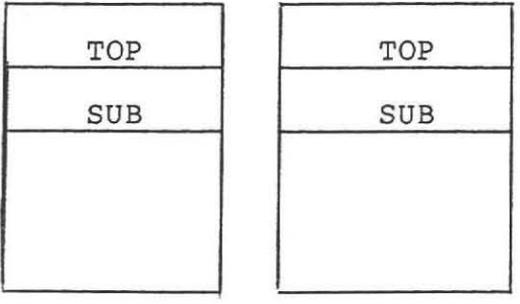
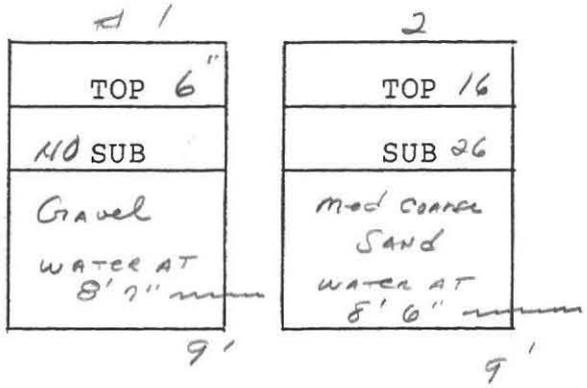
P.E./RS AL WEISS FIRM Cold Spring OBSERVED BY D. Zarozinski

BACK HOE OPERATOR Richard Roberts BENCH MARK _____

PERC ^① DEPTH 64" PRE SOAK TIME 3:22 PERC ^② DEPTH 48" PRE SOAK TIME 3:15

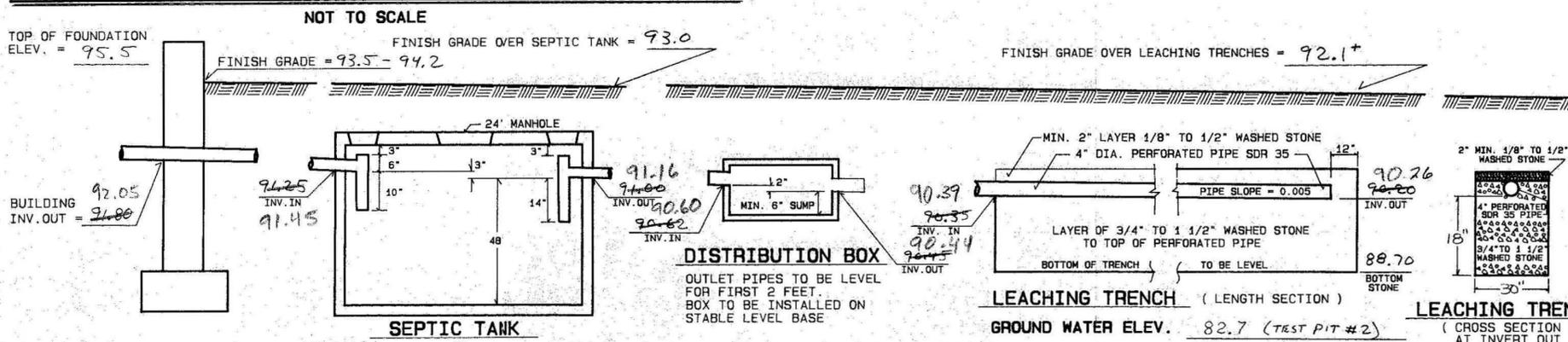
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	<u>11"</u>	<u>3:38</u>	<u>7"</u>	<u>3:42</u>	<u>11"</u>	<u>3:31</u>	<u>7"</u>	<u>3:35</u>
	<u>10"</u>	<u>3:39</u>	<u>6"</u>	<u>3:43</u>	<u>10"</u>	<u>3:32</u>	<u>6"</u>	<u>3:36</u>
	<u>9"</u>	<u>3:40</u>			<u>9"</u>	<u>3:33</u>		

RATE ② RATE ②



AS-BUILT

SANITARY SYSTEM PROFILE



TEST PIT DATA

INSPECTOR DAVID ZAROZINSKY
 DATE: MARCH 10, 1992
 TESTED BY COLD SPRINGS ENVIRONMENTAL CONSULTANTS, BELCHERTOWN

TEST PIT #	TEST PIT #	TEST PIT #	TEST PIT #
TEST PIT # 1 ELEV. TOP = 90.3 ELEV. H20 = 87.7	TEST PIT # 2 ELEV. TOP = 91.2 ELEV. H20 = 82.7	TEST PIT # ELEV. TOP = ELEV. H20 =	TEST PIT # ELEV. TOP = ELEV. H20 =

TEST PIT #	TEST PIT #	TEST PIT #	TEST PIT #
TOPSOIL 0'-16"	TOPSOIL 0'-16"		
SUBSOIL 16"-26"	SUBSOIL 16"-26"		
BROWN MEDIUM COARSE SAND & GRAVEL	BROWN MEDIUM COARSE SAND & GRAVEL		
▽ H ₂ O 103"	▽ H ₂ O 102"		
REFUSAL	REFUSAL		

PERCOLATION RATE = 2/2 MINUTES PER INCH
 DEPTH OF PERCOLATION TEST = 64"/43" INCHES

- NOTES:
- REMOVE TOPSOIL & SUBSOIL BENEATH THE LEACHING TRENCHES AND TO 10' ON ALL SIDES OF THE TRENCHES. REPLACE WITH A CLEAN, COARSE SAND OR GRAVEL. (TITLE 5, 310 CMR, REG. 15.02:17)
 - DISTRIBUTION LINES SHALL HAVE PLASTIC END CAPS INSTALLED.
 - ALL DISTURBED AREAS SHOULD BE LOAMED, FERTILIZED AND SEEDED AT THE COMPLETION OF CONSTRUCTION.
 - PROPERTY LINES AND WETLAND BOUNDARIES AS SHOWN ARE BASED ON A PLAN PREPARED FOR MARTIN P. PLANTING, PREPARED BY HAROLD L. EATON AND ASSOCIATES, INC., DATED MAY 4, 1992. WETLANDS WERE DELINEATED BY C. H. DAUCHY BETWEEN THE DATES OF 10/91 AND 1/92.
 - FILING UNDER THE WETLANDS PROTECTION ACT IS REQUIRED FOR THIS PROJECT. THE AMHERST CONSERVATION COMMISSION MUST BE CONTACTED FOR A DETERMINATION.
 - THE TOWN OF AMHERST REQUIRES INSPECTIONS BY THE DESIGN ENGINEER AT THREE INTERVALS DURING INSTALLATION, AND CERTIFICATION OF THE INSTALLED SYSTEM BY THE DESIGN ENGINEER. SEE AMHERST REGULATIONS FOR INSPECTION REQUIREMENTS. THE SYSTEM MUST NOT BE BACKFILLED PRIOR TO OUR FINAL INSPECTION. CONTACT OUR OFFICE TWO BUSINESS DAYS BEFORE REQUESTED DATE FOR INSPECTION. PHONE 413-625-9774.

DESIGN DATA

DESIGN BASED ON SINGLE FAMILY RESIDENCE
 DESIGN FLOW 110 GALLON PER DAY PER BEDROOM
 TOTAL DESIGN FLOW 550 GALLON PER DAY.

SEPTIC TANK
550 GALLONS X 150% = 825 GALLONS DESIGN CAPACITY.
 USE 1000 GALLON SEPTIC TANK.

LEACHING TRENCHES
 NOTES: 1. LOADING RATES BASED ON 4" MIN/IN PERL RATE.
 2. AMHERST REQUIRES 1 1/4 TIMES TITLE 5 LEACHING AREA. CAPACITY 550 GPD X 1.25 = 688 GPD

SIDEWALL:
 2 X 30' LENGTH X 1.50' DEPTH = 90 SQUARE FEET.
 90 SQ. FT. X 2.00 GAL. PER SQ. FT. = 180 GAL. LEACHING.

BOTTOM:
 30' LENGTH X 2.50' WIDTH = 75 SQUARE FEET.
 75 SQ. FT. X 0.83 GAL. PER SQ. FT. = 62 GAL. LEACHING.

TOTAL NUMBER OF LEACHING TRENCHES 3
 TOTAL LEACHING AREA = 495 SQUARE FEET.
 TOTAL LEACHING CAPACITY = 726 GALLONS PER DAY. 726 > 688 OK

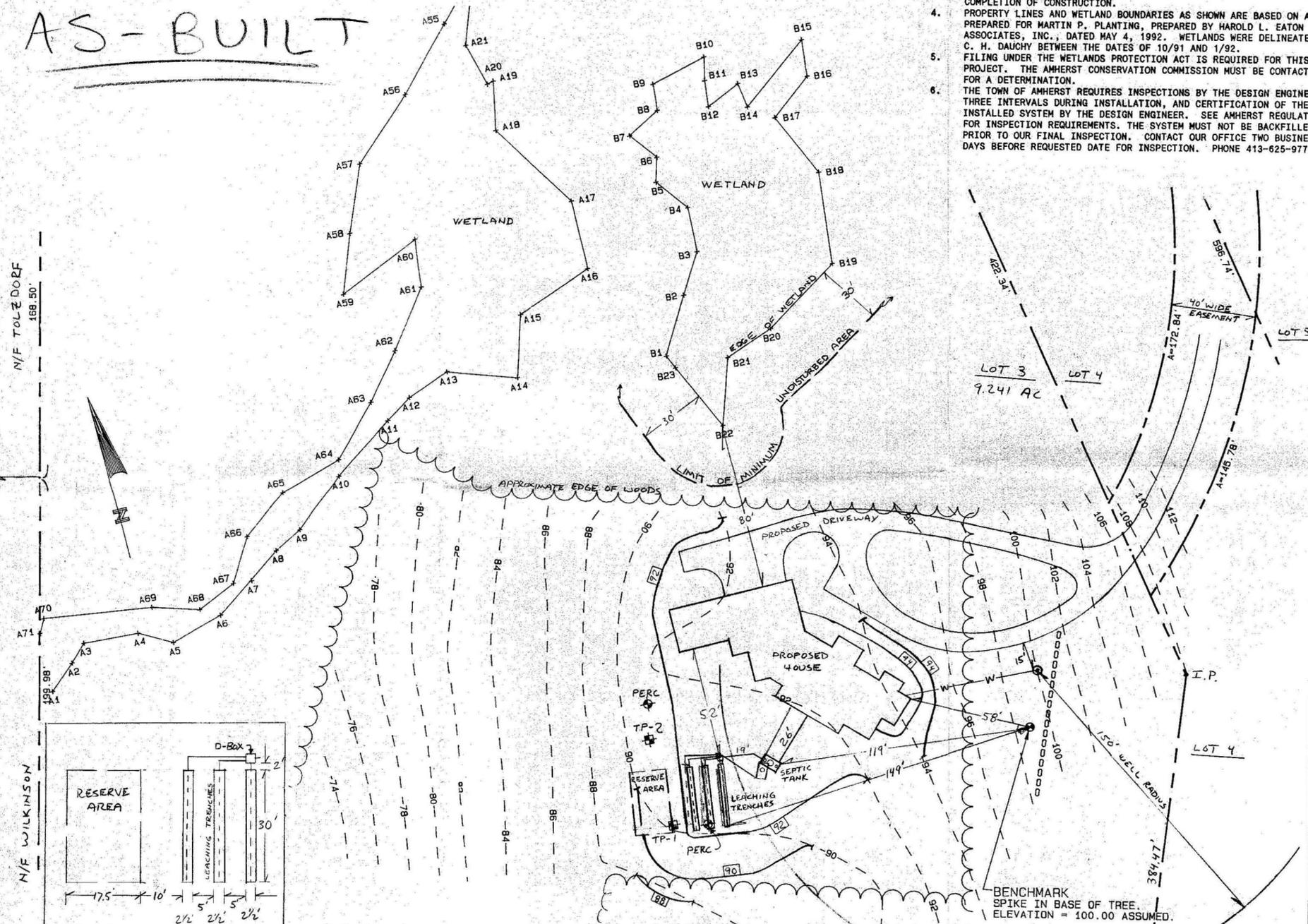
GENERAL NOTES

- 4" PIPE WITH TIGHT JOINTS TO BE USED IN DISPOSAL SYSTEM EXCEPT WHERE OTHERWISE NOTED.
- 4" SDR 35 PERFORATED PIPE TO BE USED IN LEACHING AREA.
- 1000 GALLON REINFORCED CONCRETE SEPTIC TANK.
- AMHERST BOARD OF HEALTH MUST BE NOTIFIED WHEN SYSTEM IS NEARLY COMPLETE AND PRIOR TO BACKFILLING.
- ELEVATIONS BASED ON ASSUMED DATUM
- UNLESS OTHERWISE NOTED, ALL SYSTEM COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH TITLE 5 OF THE STATE SANITARY CODE AND ANY APPLICABLE LOCAL RULES.
- ANY CHANGE TO THIS PLAN MUST BE APPROVED BY THE BOARD OF HEALTH AND THE DESIGN ENGINEER.
- THIS SYSTEM IS NOT DESIGNED FOR A GARBAGE GRINDER.

LEGEND

---	EXISTING CONTOURS	+	TEST PIT
---	PROPOSED CONTOURS	+	PERCOLATION TEST
---	4" SDR 35 PERFORATED PIPE		
---	4" SDR 35 SOLID PIPE		
---	WATER LINE		
---	EROSION BARRIER		
---	EDGE OF WETLAND		
---	CENTERLINE STREAM		
---	PROPERTY LINE		
---	STONEWALL		

AS-BUILT



SITE PLAN

SCALE 1" = 40'

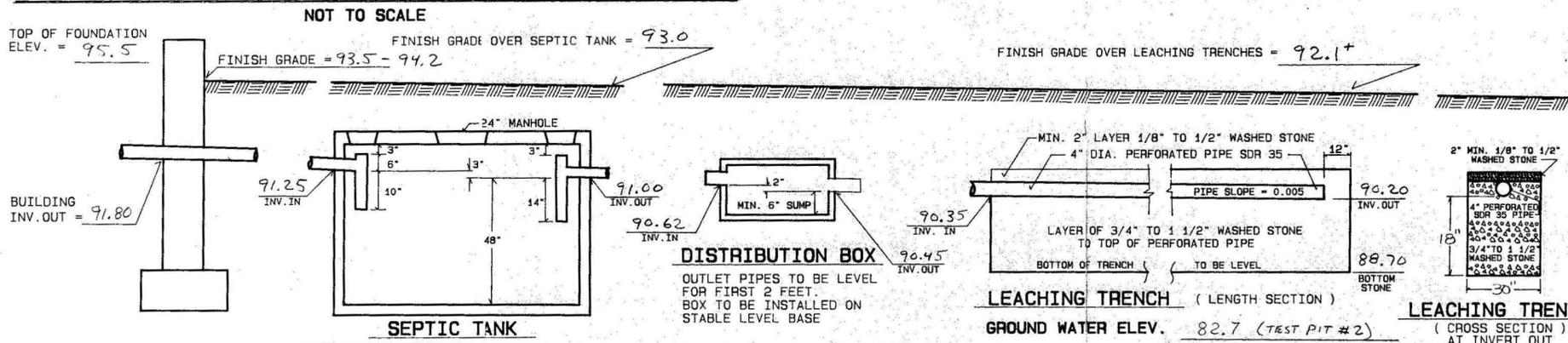
SHEET NO. / OF /		1 / 1116 / CC AS-BUILT	
SCALE AS SHOWN	APPROVED:	REV. DATE BY	DESCRIPTION APPD.
DRN. BY D. P.	CHECKED DM	TITLE: SUBSURFACE SEWAGE DISPOSAL PLAN IN AMHERST, MA	
		FOR: THOMAS & LYNN BAKER SHUTESBURY ROAD LOT 3	
		DATE: JUNE 15, 1993	JOB NO. 92-039

MacLEAY ASSOCIATES, INC.
 102 BRIDGE STREET, SHELBURNE FALLS, MA 01370
 FAX AND TELEPHONE: (413) 625-9774

SANITARY SYSTEM PROFILE

TEST PIT DATA

JUN 16 1993



SEPTIC TANK

1000 GALLON CONCRETE TANK
LENGTH 8'-6", WIDTH 4'-10", DEPTH 5'-4"
TANK TO BE INSTALLED ON A STABLE LEVEL BASE
INLET AND OUTLET TEES LOCATED ON THE CENTERLINE OF THE TANK.

DISTRIBUTION BOX

OUTLET PIPES TO BE LEVEL FOR FIRST 2 FEET.
BOX TO BE INSTALLED ON STABLE LEVEL BASE

INSPECTOR DAVID ZAROZINSKY
DATE: MARCH 10, 1992
TESTED BY CAD SPRINGS ENVIRONMENTAL CONSULTANTS, BELCHERTOWN

TEST PIT # 1	TEST PIT # 2	TEST PIT #	TEST PIT #
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ELEV. H20 = 81.7	ELEV. H20 = 82.7	ELEV. H20 =	ELEV. H20 =

TOPSOIL	0'-16"	TOPSOIL	0'-16"
SUBSOIL	1/6"-26"	SUBSOIL	1/6"-26"
BROWN MEDIUM/COARSE SAND & GRAVEL		BROWN MEDIUM/COARSE SAND & GRAVEL	
▽ H ₂ O	103"	▽ H ₂ O	102"
REFUSAL		REFUSAL	

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- NOTES:**
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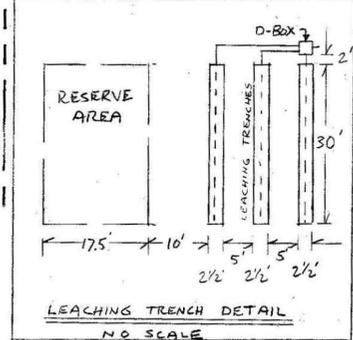
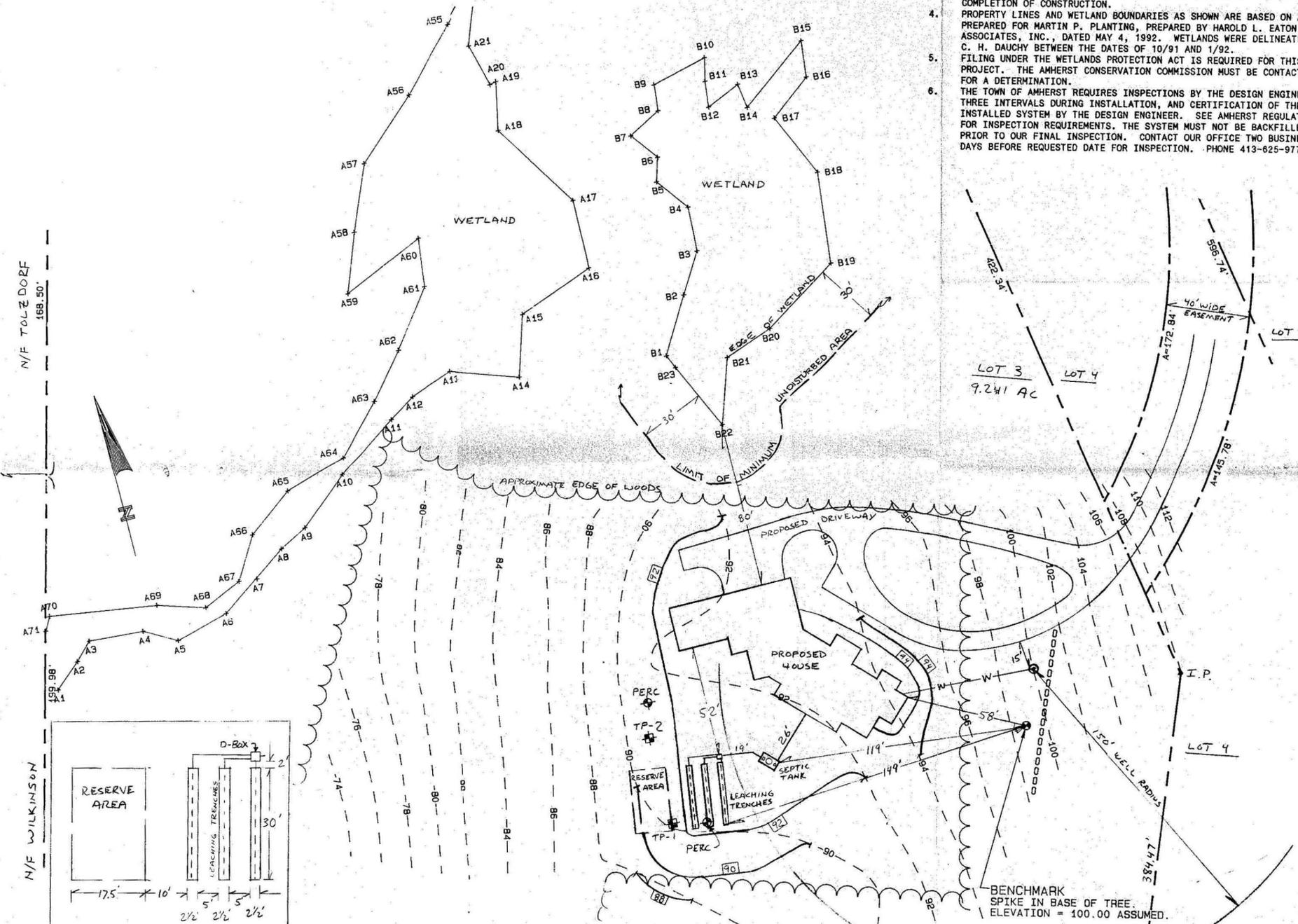
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TOTAL LEACHING AREA = 495 SQUARE FEET.
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GENERAL NOTES

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 - 4" SDR 35 PERFORATED PIPE TO BE USED IN LEACHING AREA.
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- B. THIS SYSTEM IS NOT DESIGNED FOR A GARBAGE GRINDER.

LEGEND

---	100	---	EXISTING CONTOURS	+	TEST PIT
---	100	---	PROPOSED CONTOURS	+	PERCOLATION TEST
---		---	4" SDR 35 PERFORATED PIPE		
---		---	4" SDR 35 SOLID PIPE		
---		---	WATER LINE		
---		---	EROSION BARRIER		
---		---	EDGE OF WETLAND		
---		---	CENTERLINE STREAM		
---		---	PROPERTY LINE		
---		---	STONEMALL		



SITE PLAN

SCALE 1" = 40'

SHEET NO. / OF /		REV. DATE BY DESCRIPTION APPD.	
SCALE AS SHOWN	APPROVED	TITLE: SUBSURFACE SEWAGE DISPOSAL PLAN IN AMHERST, MA	
DRN. BY D.P. CHECKED		FOR: THOMAS & LYNN BAKER SHUTESBURY ROAD LOT 3	
DATE: JUNE 15, 1993		JOB NO. 92-039	
MacLEAY ASSOCIATES, INC.			
102 BRIDGE STREET, SHELburnE FALLS, MA 01370			
FAX AND TELEPHONE: (413) 625-9774			