

281 Limestone Rd





MacLeay

Associates, Inc. civil engineers

102 Bridge Street, Shelburne Falls, MA 01370

phone (413) 625-9774

fax (413) 625-9704

email: macleay@crocker.com

SYSTEM INSTALLATION OBSERVATION REPORT

SITE INFORMATION

LOT # 1 281
STREET LEVERETT ROAD
TOWN AMHERST
JOB # 2002-072

DATE: 5/28/2003

OWNER INFORMATION

PROPERTY OWNER AMHERST BUILDING CO.
STREET ADDRESS 25 MAIN STREET
TOWN NORTHAMPTON, MA 01360

INSTALLER INFORMATION

NAME OF INSTALLER L&F CONSTRUCTION
STREET ADDRESS 608 LONG PLAIN ROAD
TOWN LEVERETT, MA 01054

OBSERVATION RESULTS

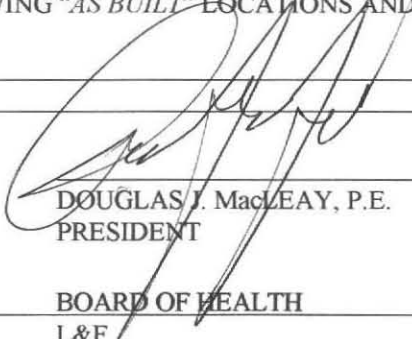
DATE OF OBSERVATION: 05/27/03

- AS BUILT*
- (X) THE SYSTEM APPEARED TO BE INSTALLED SUBSTANTIALLY IN ACCORDANCE WITH THE APPROVED PLAN, AND IS IN COMPLIANCE WITH TITLE 5.
 - () THE SYSTEM DOES NOT APPEAR TO HAVE BEEN INSTALLED ACCORDING TO THE APPROVED PLAN, AND IS NOT IN COMPLIANCE WITH TITLE 5.

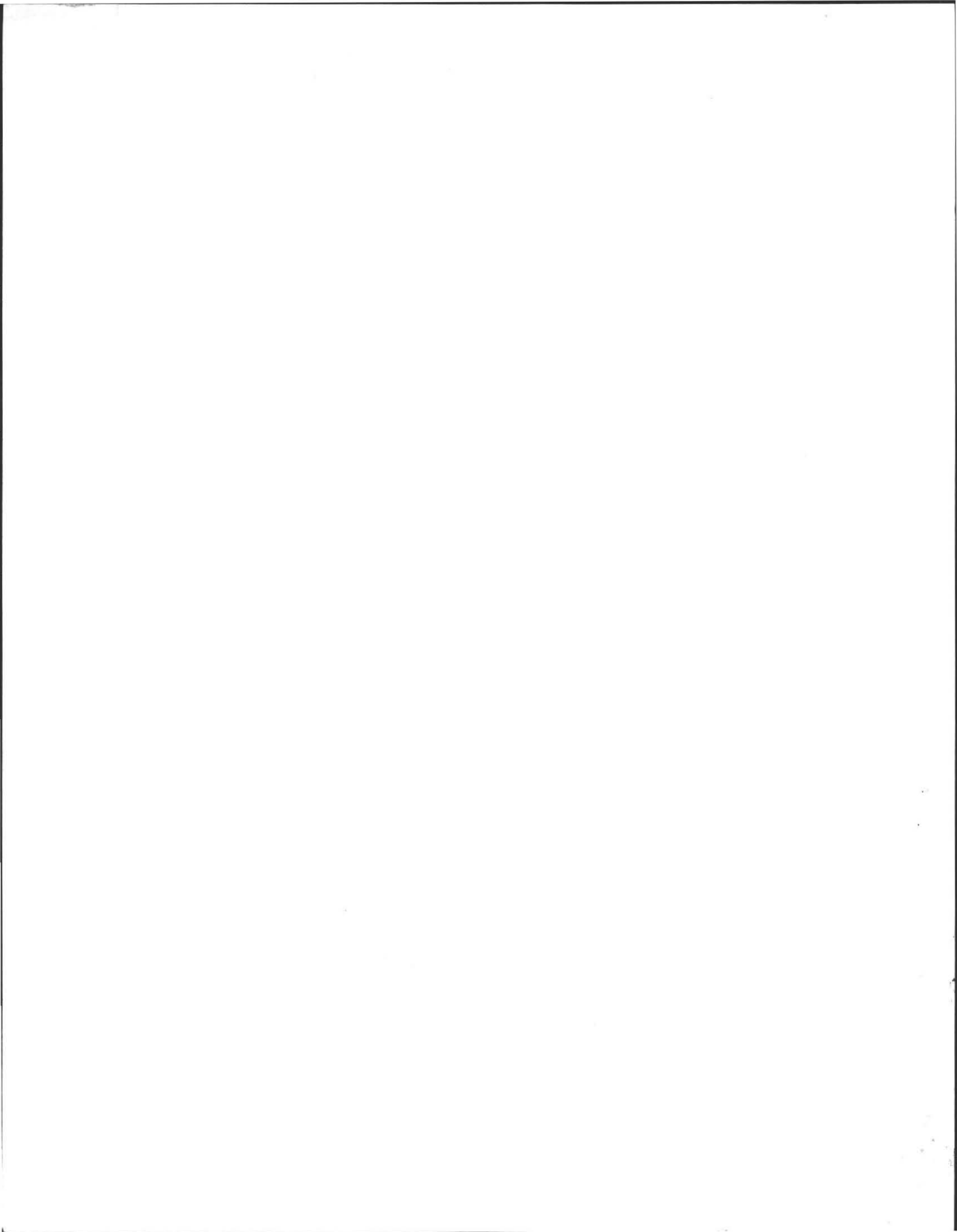
DEFICIENCIES: _____

- () THE SYSTEM DOES NOT APPEAR TO HAVE BEEN INSTALLED ACCORDING TO THE APPROVED PLAN, BUT IS IN COMPLIANCE WITH TITLE 5. ENCLOSED IS A COPY OF THE PLAN SHOWING "AS BUILT" LOCATIONS AND ELEVATIONS.

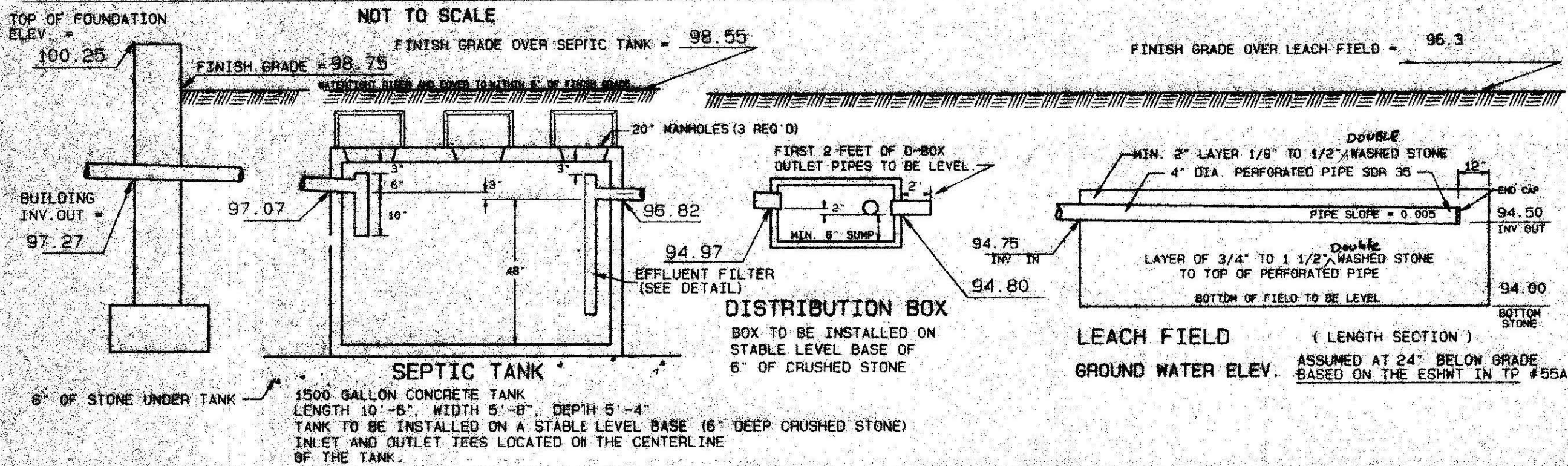
COMMENTS: _____


DOUGLAS J. MacLEAY, P.E.
PRESIDENT

SEND COPIES TO: BOARD OF HEALTH
L&F
AMHERST BUILDING.



SANITARY SYSTEM PROFILE



TEST PIT DATA

BOARD OF HEALTH WITNESS: DAVE ZAROZINSKI
 DATE: DECEMBER 5, 2001
 SOIL EVALUATOR: DOUGLAS J. MacLEAY, P.E.

PERC TEST ID	PERC RATE (MIN/IN)	PERC DEPTH (IN)
55	10	38
55A	9	48

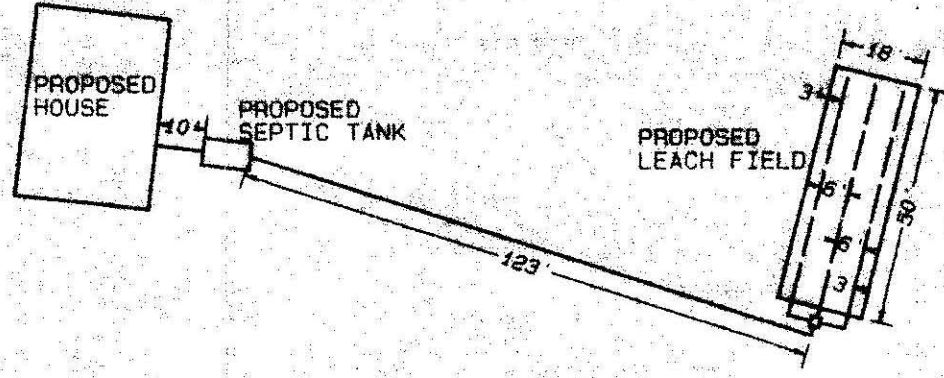
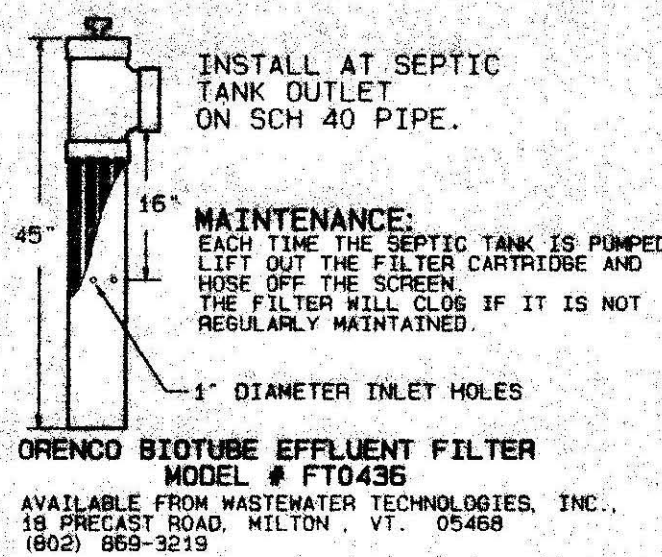
TEST PIT # 55	TEST PIT # 55A
ELEV. TOP = 88.57	ELEV. TOP = 91.26
ESHWT = 85.99	ESHWT = 89.26
OBS. H20 = 81.90	OBS. H20 = 83.51
BOTTOM = 79.99	BOTTOM = 81.51

TEST PIT # 55	TEST PIT # 55A
HORIZON A5 FINE SANDY LOAM 10YR 3/2	HORIZON A5 FINE SANDY LOAM 10YR 3/2
8"	5"
HORIZON A FINE SANDY LOAM 10YR 5/6	HORIZON A FINE SANDY LOAM 10YR 4/6
17"	24"
HORIZON C FINE SANDY LOAM 10YR 4/6	ESHWT
31"	
HORIZON 2C2 FINE SANDY LOAM 10YR 4/3	
80"	

NOTES

- THIS PLAN IS FOR A NEW SEPTIC SYSTEM.
- REMOVE TOPSOIL & SUBSOIL BENEATH THE LEACHING FIELD AND TO 5' ON ALL SIDES OF THE FIELD. REPLACE WITH FILL MATERIAL MEETING THE SPECIFICATIONS OF 310 CMR 15.255(3). (TITLE 5, 310 CMR 15.255(5).)
- TITLE 5 REQUIRES OBSERVATION OF THE INSTALLED SYSTEM BY THE DESIGN ENGINEER AND A BOARD OF HEALTH MEMBER OR AGENT FOR THE BOARD OF HEALTH. THE SYSTEM MUST NOT BE BACKFILLED PRIOR TO OUR OBSERVATION. CONTACT OUR OFFICE AND THE BOARD OF HEALTH TWO BUSINESS DAYS BEFORE REQUESTED DATE FOR OBSERVATION.
- ALL DISTURBED AREAS SHOULD BE LOADED, RAKED, FERTILIZED, SEEDED AND MULCHED AT THE COMPLETION OF CONSTRUCTION.

PROPERTY LINE REFERENCE:
 PROPERTY LINES AS SHOWN ARE BASED ON A PLAN OF LAND IN AMHERST, MASSACHUSETTS, PREPARED FOR NORTHAMPTON ASSOCIATES, INC. PREPARED BY H.L. EATON ASSOC. DATED OCTOBER 21, 2002.



SYSTEM DIMENSIONS

SCALE: 1" = 40'

DESIGN DATA

DESIGN BASED ON SINGLE FAMILY RESIDENCE
 DESIGN FLOW 110 GALLON PER DAY PER BEDROOM (4)
 TOTAL DESIGN FLOW 440 GALLON PER DAY.
SEPTIC TANK
 440 GALLONS X 200% = 880 GALLONS DESIGN CAPACITY.
 USE 1500 GALLON SEPTIC TANK.

LEACHING FIELD
 BOTTOM:
 50' LENGTH X 18' WIDTH = 900 SQUARE FEET.
 900 SQ. FT. X 53 GAL. PER SQ. FT. = 477 GAL. LEACHING.
 TOTAL LEACHING CAPACITY = 477 GALLONS PER DAY.

NOTE: PER TITLE 5, 310 CMR 15.240(6): A FIELD IS DESIGNED FOR THIS SITE DUE TO THE AREA LIMITATIONS CAUSED BY THE HOUSE LOCATION AND PROPERTY LINES.

GENERAL NOTES

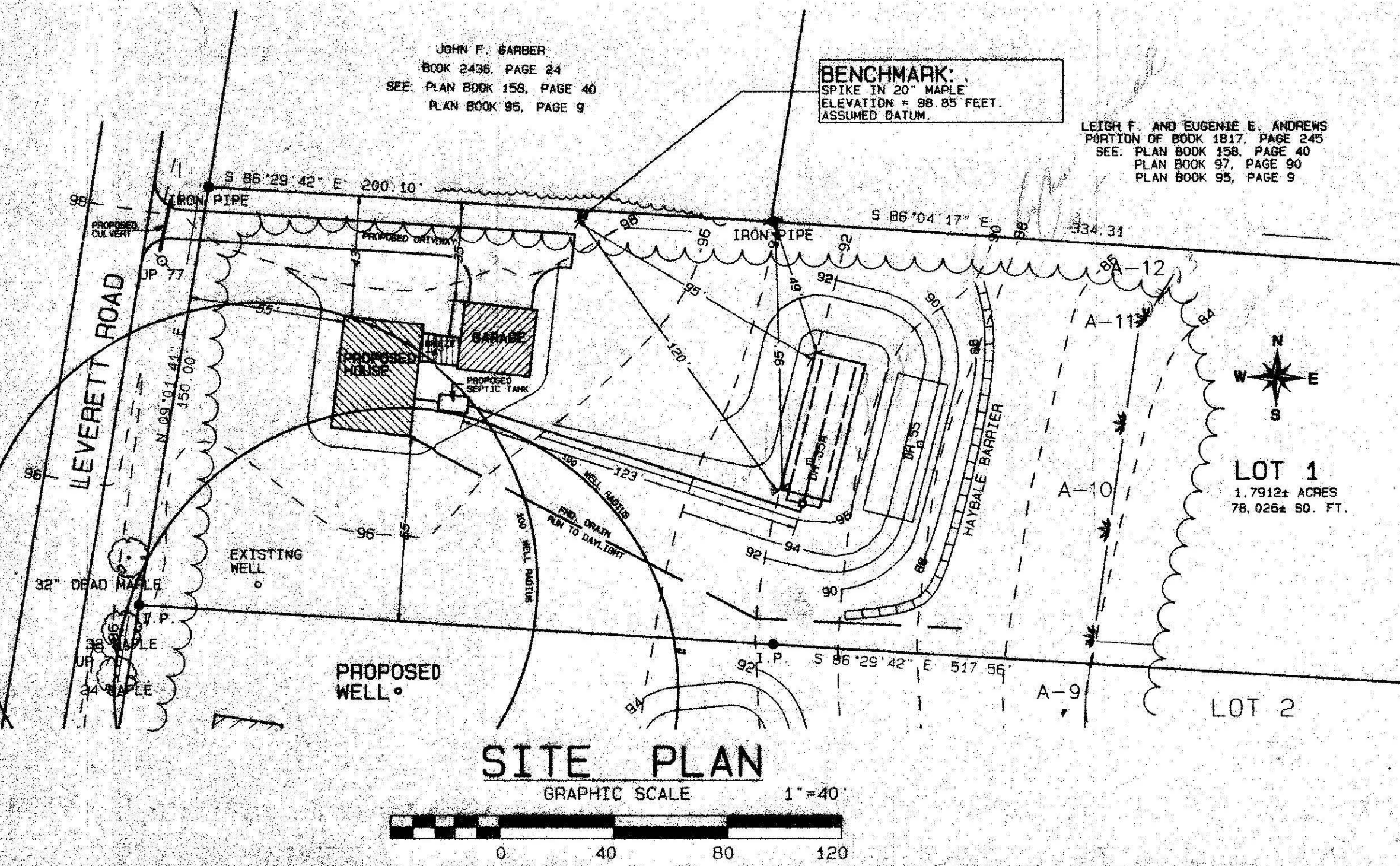
- 4" PIPE WITH TIGHT JOINTS TO BE USED IN DISPOSAL SYSTEM EXCEPT WHERE OTHERWISE NOTED.
- 4" SDR 35 PERFORATED PIPE TO BE USED IN LEACHING AREA.
- 1500 GALLON REINFORCED CONCRETE SEPTIC TANK.
- AMHERST BOARD OF HEALTH MUST BE NOTIFIED WHEN SYSTEM IS NEARLY COMPLETE AND PRIOR TO BACKFILLING.
- ELEVATIONS 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

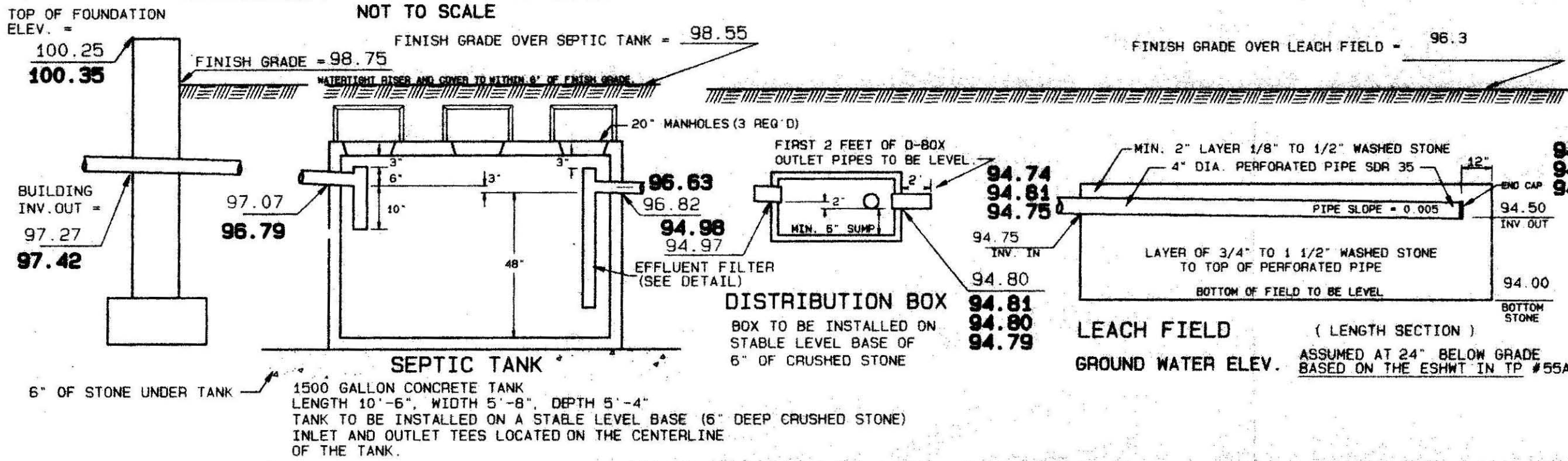
- 100 --- EXISTING CONTOURS
- 100 --- PROPOSED CONTOURS
- 4" SDR 35 PERFORATED PIPE
- 4" SDR 35 SOLID PIPE
- WATER LINE
- HAYBALE BARRIER
- EDGE OF WETLAND
- CENTERLINE STREAM
- PROPERTY LINE
- STONEMALL

SHEET NO. 1 OF 1.			
SCALE AS SHOWN	APPROVED:	REV. DATE BY DESCRIPTION APPR.	
DRN. BY S.K.		TITLE: SUBSURFACE SEWAGE DISPOSAL PLAN IN AMHERST, MASS.	
CHECKED D.M.		FOR: NORTHAMPTON ASSOCIATES 281 LEVERETT ROAD	
		DATE: NOVEMBER 22, 2002	JOB NO: 2002-072

MacLEAY ASSOCIATES, INC.
 102 BRIDGE STREET, SHELBURNE FALLS, MA 01370
 TELEPHONE: (413) 625-9774 FAX: (413) 625-9704



SANITARY SYSTEM PROFILE



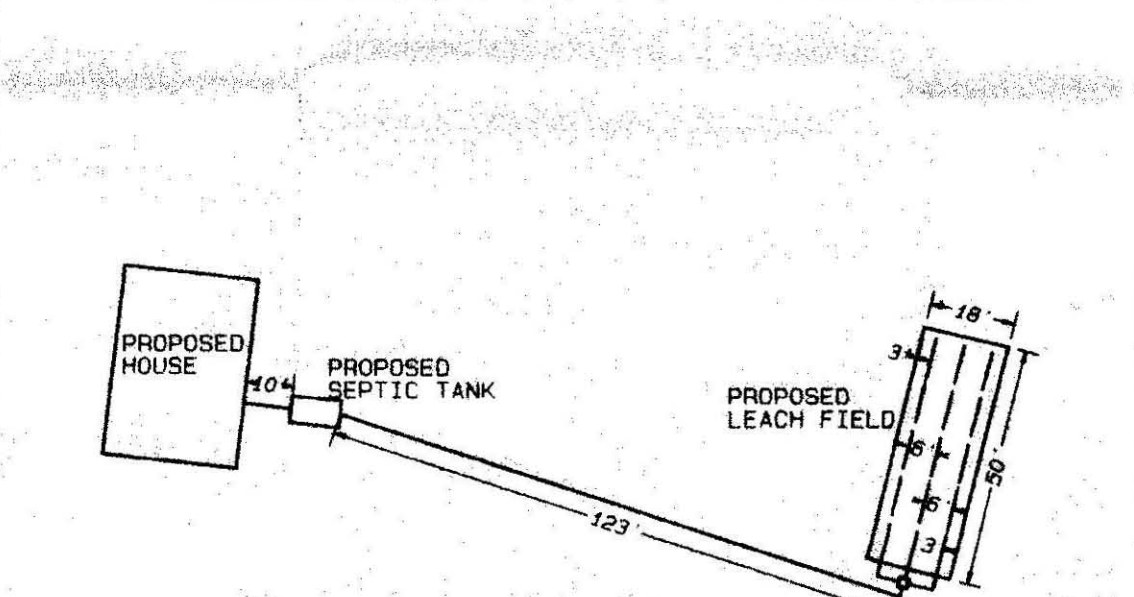
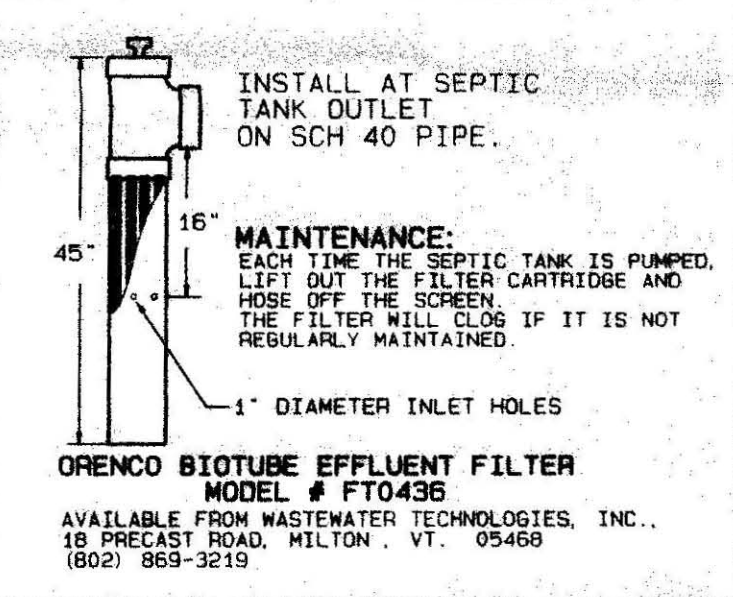
TEST PIT DATA

BOARD OF HEALTH WITNESS: DAVE ZAROZINSKI
 DATE: DECEMBER 5, 2001
 SOIL EVALUATOR: DOUGLAS J. MacLEAY, P.E.

PERC TEST ID	PERC RATE (MIN/IN)	PERC DEPTH (IN)
55	10	38
55A	9	48

TEST PIT # 55		TEST PIT # 55A	
ELEV. TOP =	88.57	ELEV. TOP =	91.26
ESHWT =	85.99	ESHWT =	89.26
OBS. H2O =	81.90	OBS. H2O =	83.51
BOTTOM =	79.99	BOTTOM =	81.51

- NOTES:**
- THIS PLAN IS FOR A NEW SEPTIC SYSTEM.
 - REMOVE TOPSOIL & SUBSOIL BENEATH THE LEACHING FIELD AND TO 5' ON ALL SIDES OF THE FIELD. REPLACE WITH FILL MATERIAL MEETING THE SPECIFICATIONS OF 310 CMR 15.255(3). (TITLE 5, 310 CMR 15.255(5).)
 - TITLE 5 REQUIRES OBSERVATION OF THE INSTALLED SYSTEM BY THE DESIGN ENGINEER AND A BOARD OF HEALTH MEMBER OR AGENT FOR THE BOARD OF HEALTH. THE SYSTEM MUST NOT BE BACKFILLED PRIOR TO OUR OBSERVATION. CONTACT OUR OFFICE AND THE BOARD OF HEALTH TWO BUSINESS DAYS BEFORE REQUESTED DATE FOR OBSERVATION.
 - ALL DISTURBED AREAS SHOULD BE LOAMED, RAKED, FERTILIZED, SEEDED AND MULCHED AT THE COMPLETION OF CONSTRUCTION.
- PROPERTY LINE REFERENCE:**
 PROPERTY LINES AS SHOWN ARE BASED ON A PLAN OF LAND IN AMHERST, MASSACHUSETTS, PREPARED FOR NORTHAMPTON ASSOCIATES, INC. PREPARED BY H.L. EATON ASSOC. DATED OCTOBER 21, 2002.



AS BUILT LOCATIONS AND ELEVATIONS ARE BASED ON A FIELD SURVEY PERFORMED BY MACLEAY ASSOCIATES, DATED MAY 27, 2003

SYSTEM INSTALLED BY:
 L & F CONSTRUCTION
 608 LONG PLAIN ROAD
 LEVERETT, MA 01054
 (413) 665-3788

DESIGN DATA

DESIGN BASED ON SINGLE FAMILY RESIDENCE
 DESIGN FLOW 110 GALLON PER DAY PER BEDROOM (4)
 TOTAL DESIGN FLOW 440 GALLON PER DAY.

SEPTIC TANK
 440 GALLONS X 200% = 880 GALLONS DESIGN CAPACITY.
 USE 1500 GALLON SEPTIC TANK.

LEACHING FIELD
 BOTTOM:
 50' LENGTH X 18' WIDTH = 900 SQUARE FEET.
 900 SQ. FT. X 53 GAL. PER SQ. FT. = 477 GAL. LEACHING.
 TOTAL LEACHING CAPACITY = 477 GALLONS PER DAY.

NOTE: PER TITLE 5, 310 CMR 15.240(6): A FIELD IS DESIGNED FOR THIS SITE DUE TO THE AREA LIMITATIONS CAUSED BY THE HOUSE LOCATION AND PROPERTY LINES.

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.
- 1500 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

---	1:00	---	EXISTING CONTOURS
---	1:00	---	PROPOSED CONTOURS
---		---	4" SDR 35 PERFORATED PIPE
---		---	4" SDR 35 SOLID PIPE
---		---	WATER LINE
---		---	HAYBALE BARRIER
---		---	EDGE OF WETLAND
---		---	CENTERLINE STREAM
---		---	PROPERTY LINE
---		---	STONEWALL

SHEET NO. 1 OF 1.		1. 9/28 J.H.		AS-BUILT		D.H.	
SCALE AS SHOWN	APPROVED:	REV. DATE	BY	DESCRIPTION	APPR.		
DRN. BY S.K.	DOUGLAS J. MACLEAY No. 31203 CIVIL ENGINEER PROFESSIONAL SEAL	TITLE: SUBSURFACE SEWAGE DISPOSAL PLAN IN AMHERST, MASS					
CHECKED D.M.		FOR: NORTHAMPTON ASSOCIATES 281 LEVERETT ROAD					
		DATE: NOVEMBER 22, 2002	JOB NO. 2002-072				

MacLEAY ASSOCIATES, INC.
 102 BRIDGE STREET, SHELburnE FALLS, MA 01370
 TELEPHONE: (413) 625-9774 FAX: (413) 625-9704

