

#405

No. 96-6

FEE 160<sup>00</sup>  
64# 4395  
6-27-96

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:

905 MARKET HILL RD. (KENNEL) LOT 36, MAP 3D  
NANCY RUDER Location - Address 905 MARKET HILL (Nos.)<sup>N</sup> Amherst, MA.  
CHUCK WALKER Owner Kimball St., Belchertown  
Chuck Walker Installer Kimball St., Belchertown

Type of Building Dwelling - No. of Bedrooms 5 Kennels (X2) Expansion Attic ( ) Garbage Grinder (N)  
Other - Type of Building No. of persons Showers ( ) - Cafeteria ( )  
Other fixtures

Design Flow 50 gallons per person per day. Total daily flow 512.8 gallons.  
Septic Tank - Liquid capacity 1000 gallons, Length 8.5, Width 4.0, Diameter, Depth 35"  
Disposal Trench - No. 3, Width 3, Total Length 95, Total leaching area 693 sq. ft.  
Seepage Pit No. Diameter, Depth below inlet, Total leaching area sq. ft.  
Other Distribution box (Y) Dosing tank (N)

Percolation Test Results Performed by Date 5/10/96  
Test Pit No. 1 5 minutes per inch Depth of Test Pit 120" Depth to ground water 10"  
Test Pit No. 2 minutes per inch Depth of Test Pit 120" Depth to ground water 7"

Description of Soil LOAMY SAND (SEE LOG)

Nature of Repairs or Alterations - Answer when applicable Replace S. TANK IF NECESSARY,  
NEW SAS REQUIRED.

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 Nancy S. Ruder 6.26.96  
Application Approved By David Paquin for Inspector Lane 6-28-96  
Application Disapproved for the following reasons:

Permit No. 96-6 Issued 6-26-96 Date

THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF HEALTH

TOWN OF Amherst

Certificate of Compliance

C. Wall  
Robert Stover  
(for Allan Weiss)

THIS IS TO CERTIFY, That the Individual Sewage Disposal System constructed ( ) or Repaired (✓) by Chuck Walker

at 405 Market Hill Road  
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. 96-6 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. 96-6

FEE 160<sup>00</sup>  
64# 4395

Disposal Works Construction Permit

Permission is hereby granted Nancy Ruder  
to Construct ( ) or Repair (✓) an Individual Sewage Disposal System  
at No. 405 Market Hill Rd.

as shown on the application for Disposal Works Construction Permit No. 96-6 Dated 6-28-96  
David Paquin for Inspector Lane

DATE 6-26-96 Board of Health

CHECK OR FILL IN WHERE APPLICABLE

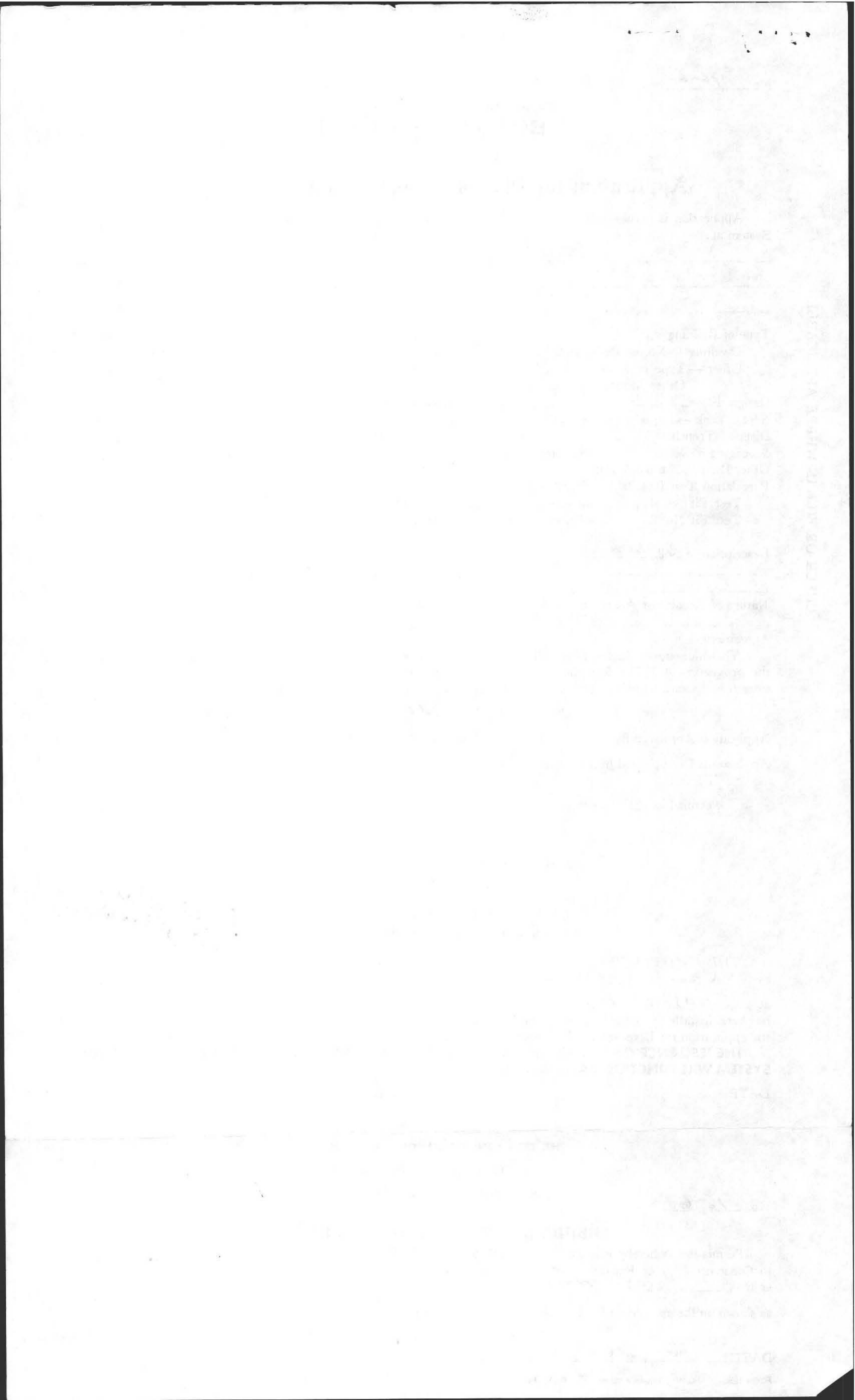
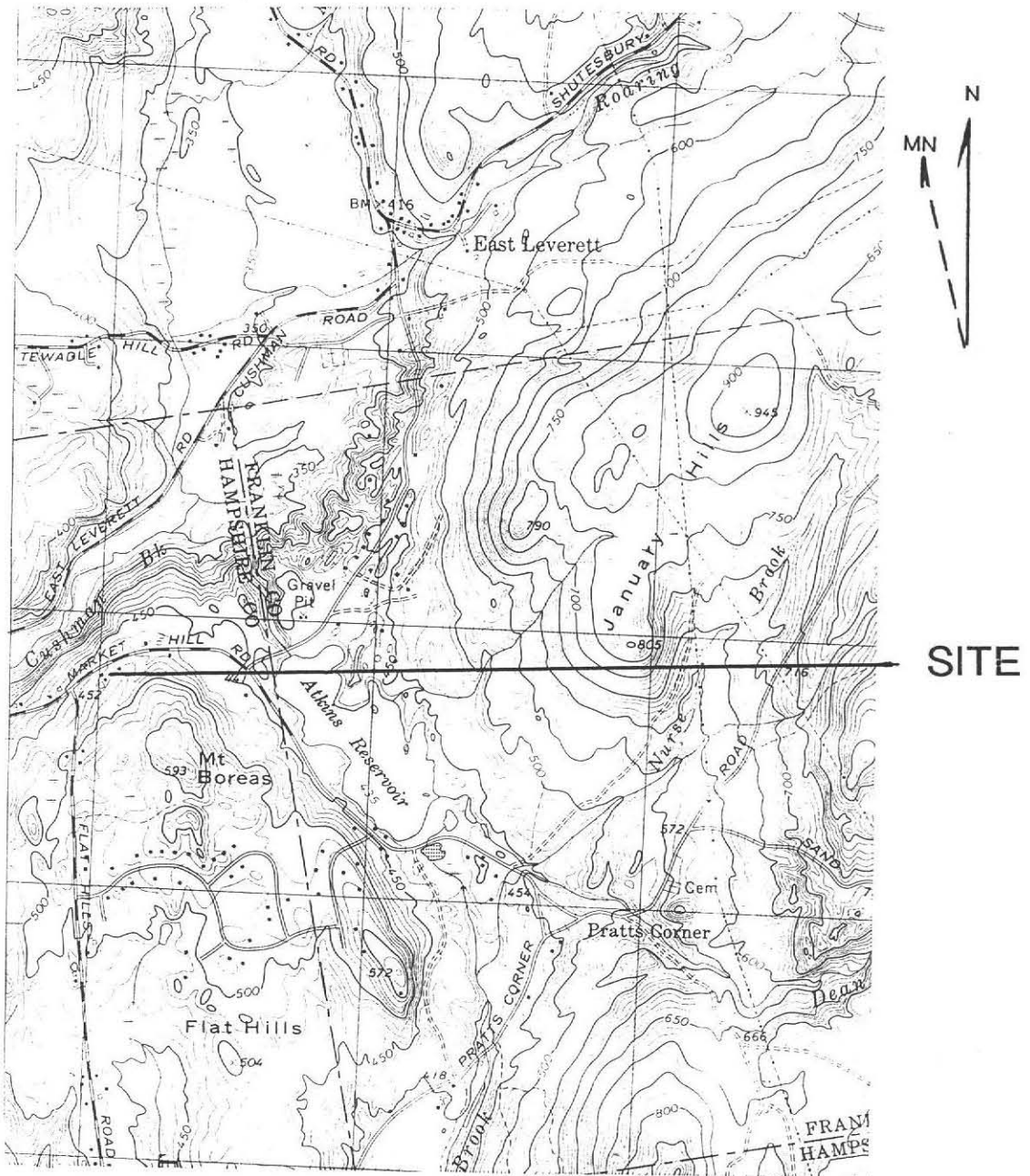


FIGURE 1: SITE LOCUS

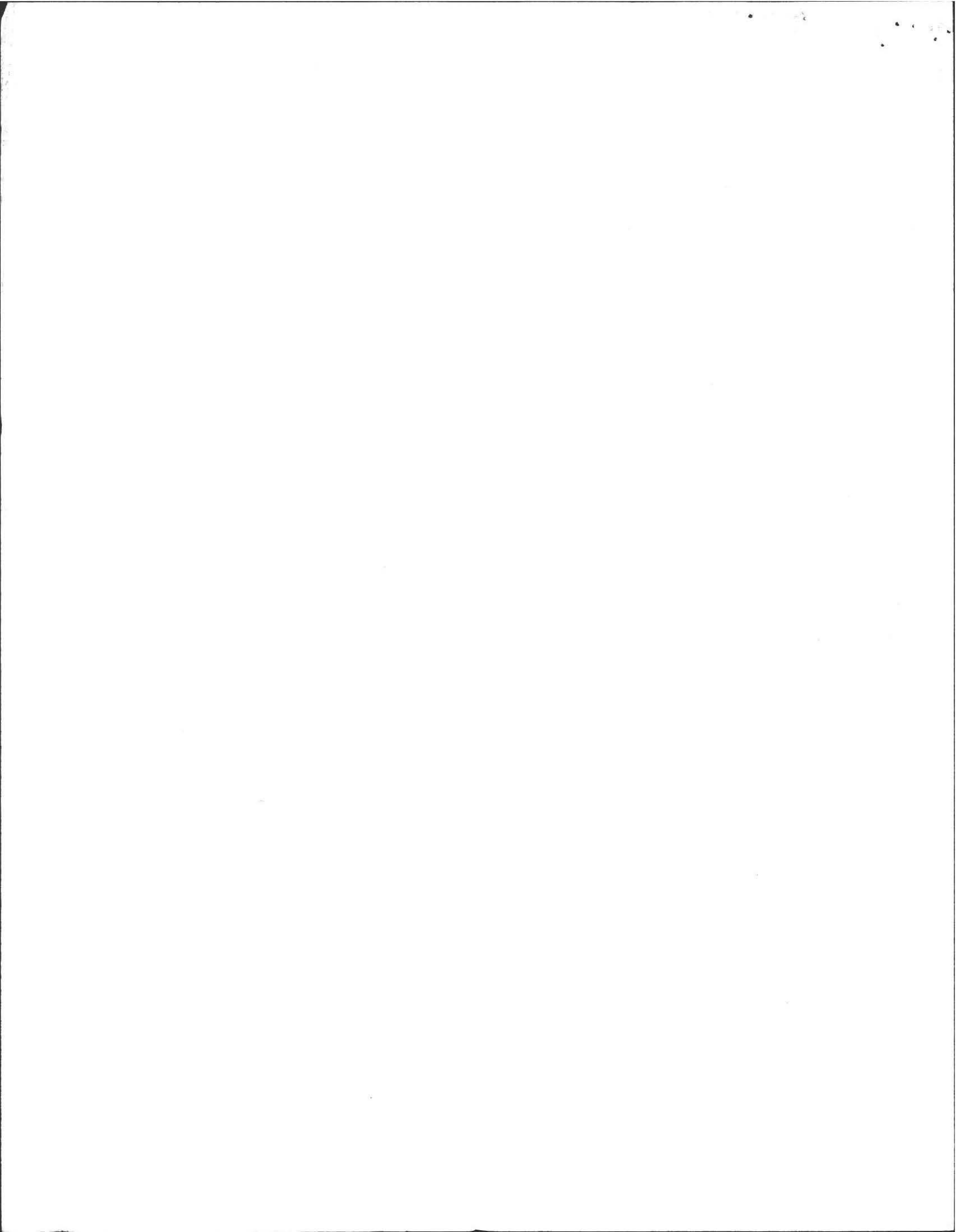


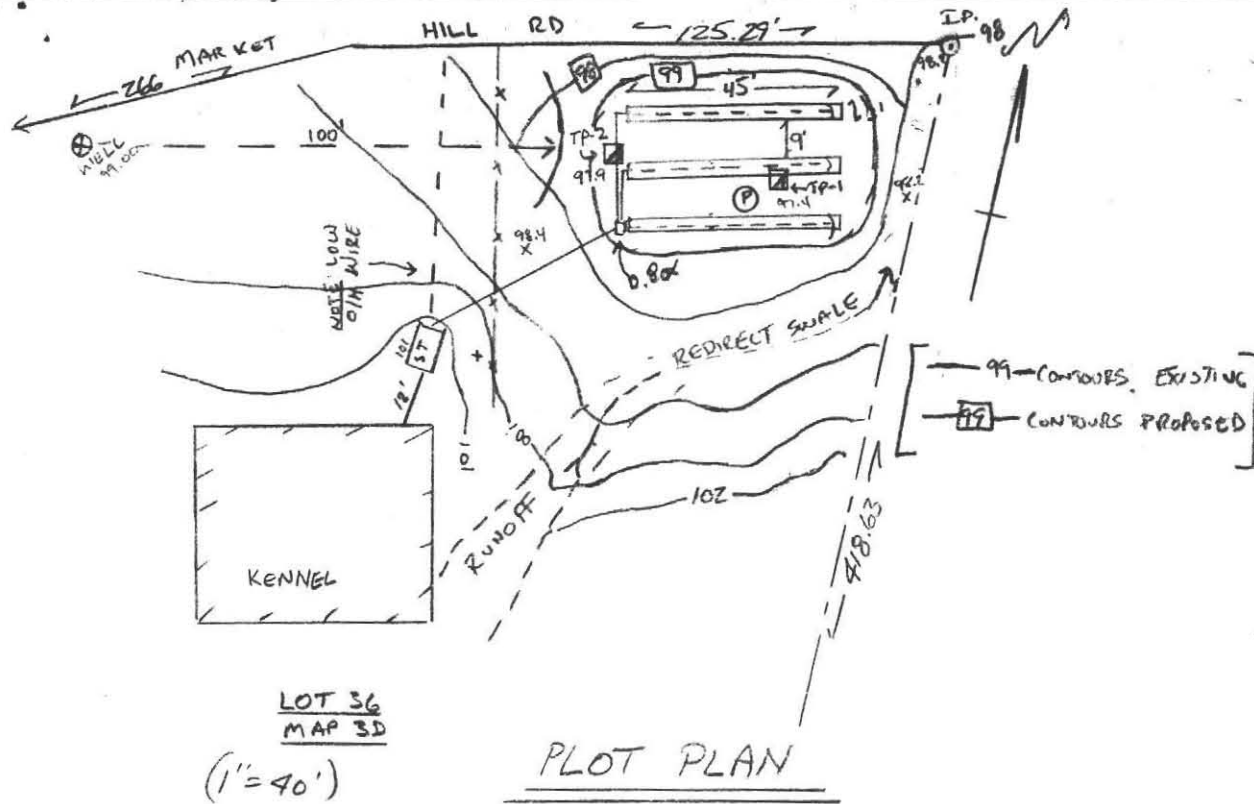
SCALE: 1"=2,083 FT.

USGS 7.5 MIN. QUAD.

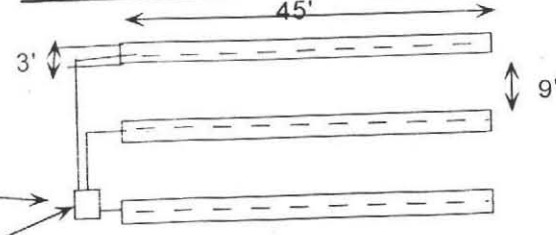


COLD SPRING ENVIRONMENTAL INC.





LAYOUT OF LEACH TRENCHES (NTS)



SOIL LOGS:

TP-1 EL. 97.43'		TP-2 EL. 97.92'	
0-16"	Ap. TOPSOIL, fine silty loamy sand (10yr 3/3)	0-18"	
	"B" SUBSOIL, Fine silty sandy loam (10 yr 6/6)	18-32"	
16"-90"	Bc FINE TO MEDIUM LAOMY SAND SOME COBBLES AND GRAVEL (10YR 4/4)	32-90"	C1 (10 YR 5/2)
90"-120"	SILTY FINE-MED. SAND FRIABLE DENSE (10 YR 4/2)	90"-120"	(10 YR 5/2)
NA.	OXIDES	NA.	
NA.	STATIC H2O (SEEPS)	84"=7.0'	
NA.	BEDROCK	NA.	

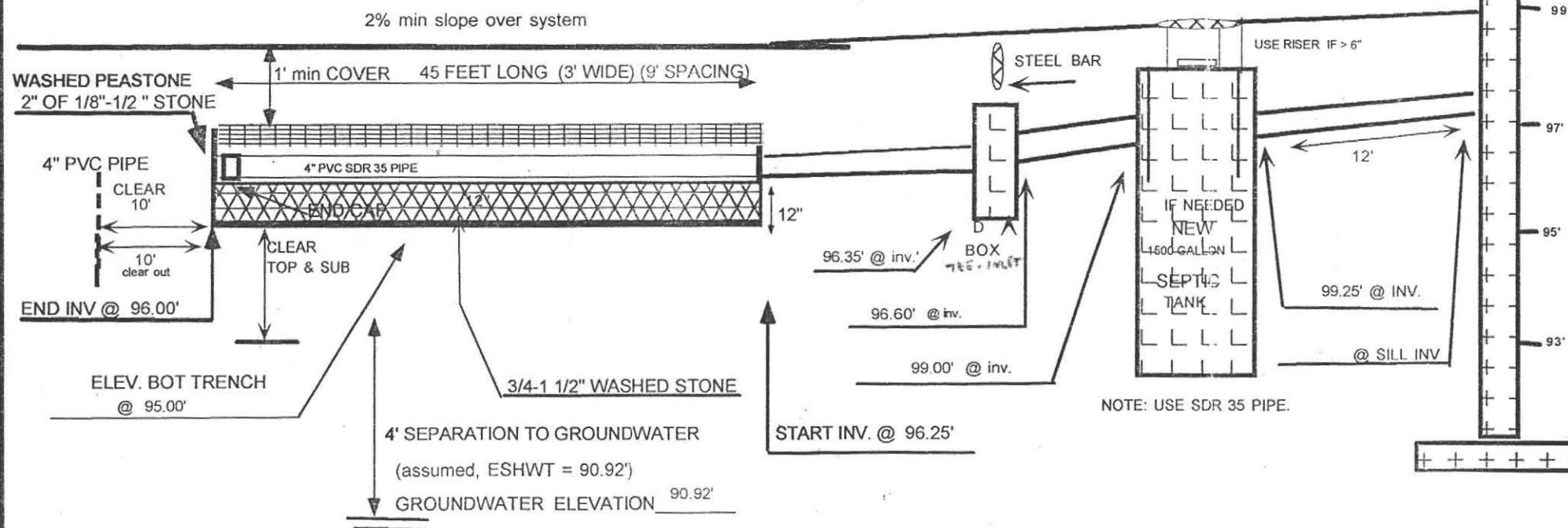
DESIGN NOTES:

- 5 kennels x 50 gal/day x 2 = 500gal./day
- Use THREE Leach Trenches: 3' wide x 45' long x 12" stone below invert  
Bot. Area: 3' wide x 45' long x 3 = 405 sf.  
Side Area: 1.0' x 45' long x 2 x 3 = 270 sf  
Side Area: 1.0' x 3' wide x 2 x 3 = 18 sf  
Tot. Area: 693. sf x 0.74 gal./sf = 512.8 gal./day.
- NO GARBAGE DISPOSAL ALLOWED
- ALL D. BOX OUTLET PIPES LEVEL FOR 2'
- WELLS WITHIN 150 FEET OF SYSTEM NOTED.
- no WETLANDS WITHIN 150 FEET OF SYSTEM NOTED.
- PRE & POST CONTOURS NOTED AS NECESSARY.
- RESERVE AREA NOTED (BETWEEN TRENCHES).
- SLOPE CALCS NOT APPLIC (15' allowed).
- 2% MIN. SLOPE OVER SAS
- REGRADE RUNOFF AND DRAIN TO NOT INTERFERE WITH SAS OVER TRENCHES.
- BENCHMARK = 100.0' TOP OF EXISTING S. TANK.
- REPLACE S. TANK IF INCOMPETENT OR LESS THAN 1000 GAL. PERC TEST BY A. Weiss ON 5/10/96, D. ZAROZINSKI, BOH AGENT. PERC1 AT 43" DEPTH., Perc = 5 MIN./IN.



CROSS SECTION OF SEPTIC SYSTEM

(Note: use 6" OF 3/4-1 1/2" ID stone under d. box and s.tank for stable base)



SEPTIC PLAN FOR NANCY RUDER KENNEL AT 405 MARKET HILL ROAD, N. AMHERST		
SCALE: NOTED	APPROVED BY:	DRAWN BY AW
DATE: 6/25/96		REVISED
DRAWING NUMBER		
COLD SPRING ENVIRONMENTAL, INC.		95-407-0327

NOTE: USE TITLE V FILL ONLY UNDER AND AROUND FIELD AS NOTED ON PLAN AND AS PER 310 15.255.

