

**SEPTIC SYSTEM DESIGN DATA**

DATE OF TESTING: DEC. 12, 1997  
 PROPOSED # OF BEDROOMS = 3  
 OBSERVED PERCOLATION RATE: TEST B15 20 MIN./IN. TEST B16 13 MIN./IN.  
 DESIGN PERCOLATION RATE: 10.1-20 MIN. PER INCH  
 REQUIRED LEACHING AREA (PER STATE HEALTH CODE): 675 EFFECTIVE SQ. FT.  
 PROPOSED LEACHING SYSTEM: 228 LIN. FT. OF 228 LF @ 3.0 SF/LF = 684 SF PROVIDED  
 PROPOSED SEPTIC TANK SIZE: 1,000 GALLONS  
 LEACHING SYSTEM ELEVATIONS BASED ON: 26" MOTTLING  
 SLOPE = 13.3 % DEPTH TO RESTRICTIVE LAYER = 26" H.F.  
 M.L.S.S. = 26 (H.F.) x 1.5 (F.F.) = 1.5 (P.F.) = 59.5 FT.  
 RESERVE AREA MAY REQUIRE PUMPING

**LEGEND**

	Observation Pit
	Perc. Test Hole
	Existing Contours
	Proposed Contours
	Porous Fill Material
	Proposed Well
	Exst. Storm drain with mortared joints

**OBSERVATION PIT NO. 815**

0-7" ROCKY TOPSOIL  
 2-27" ROCKY TAN FINE SANDY LOAM  
 25-80" COMPACT GREY/BROWN FINE SANDY LOAM

MOTTLING @ 27"  
 GROUNDWATER @ 50"  
 LEDGE @

**OBSERVATION PIT NO. 816**

6-30" TOPSOIL  
 FINE SANDY LOAM  
 30-74" COMPACT GREY/BROWN FINE SANDY LOAM

MOTTLING @ 26"  
 GROUNDWATER @ 48"  
 LEDGE @

**OBSERVATION PIT NO.**

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 GROUNDWATER @  
 LEDGE @

**OBSERVATION PIT NO.**

MOTTLING @  
 GROUNDWATER @  
 LEDGE @

**OBSERVATION PIT NO.**

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 GROUNDWATER @  
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**OBSERVATION PIT NO.**

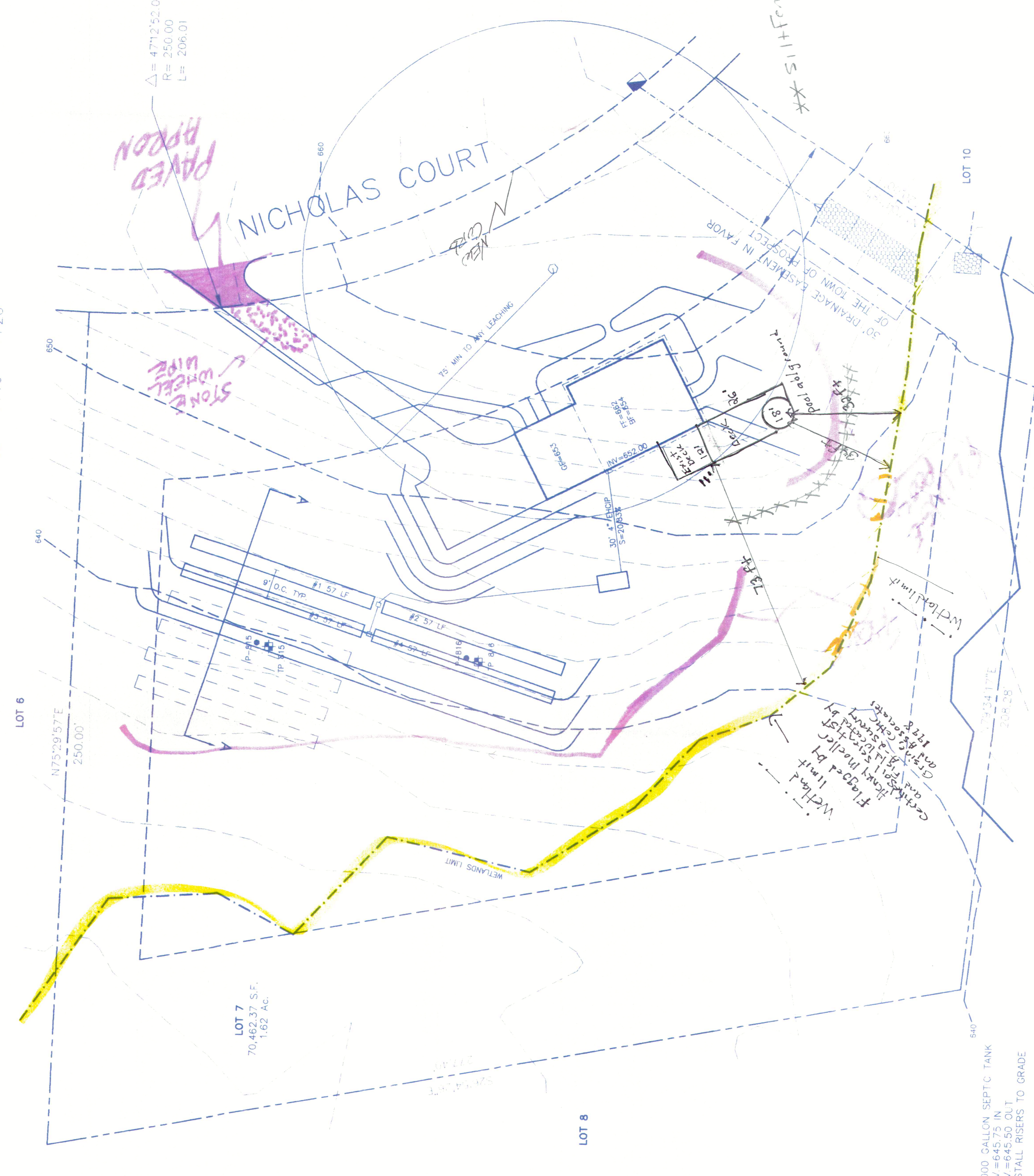
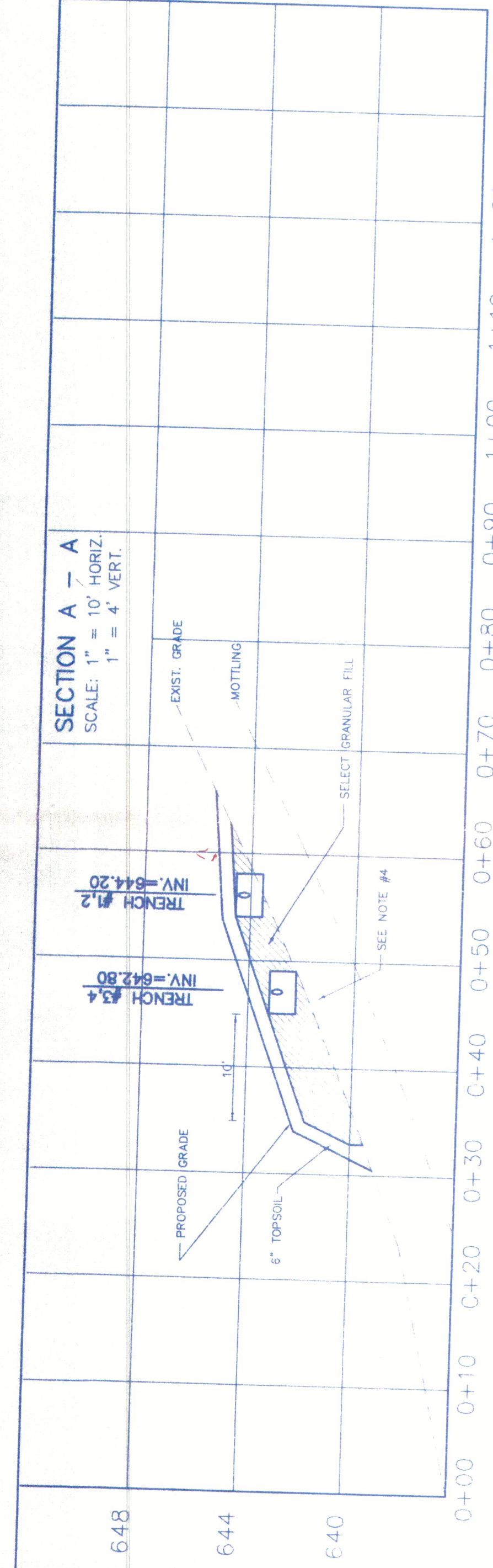
MOTTLING @  
 GROUNDWATER @  
 LEDGE @

**OBSERVATION PIT NO.**

MOTTLING @  
 GROUNDWATER @  
 LEDGE @

**OBSERVATION PIT NO.**

MOTTLING @  
 GROUNDWATER @  
 LEDGE @



1,000 GALLON SEPTIC TANK  
 INV.=645.75 IN  
 INV.=645.50 OUT  
 INSTALL RISERS TO GRADE

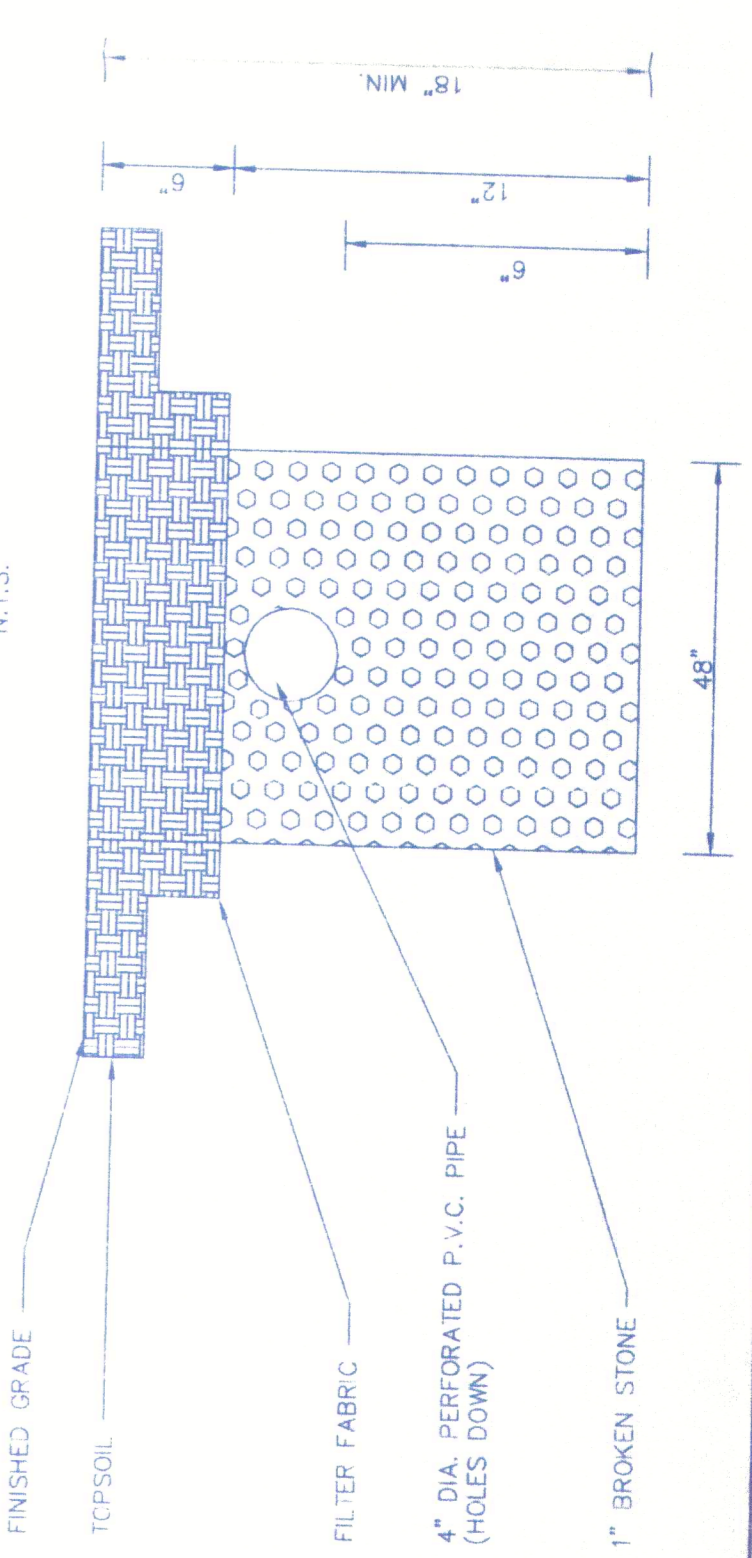
TRENCH #1,2  
 INV.=644.20  
 BOTTOM ELEV.=643.70

TRENCH #3,4  
 INV.=642.80  
 BOTTOM ELEV.=642.30

"D" BOX #1 H.L. OVERFLOW  
 INV.=644.20 IN  
 INV.=644.37 OUT

"D" BOX #3  
 INV.=642.80

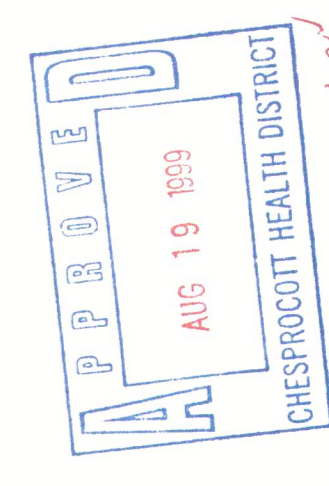
**TYPICAL SECTION OF LEACHING TRENCH**



**BENCH MARK**  
 TO BE SET PRIOR TO CONSTRUCTION

$\Delta = 471'252.0"$   
 $R = 250.00$   
 $L = 206.01$

NO INSTALLATION OF SEPTIC SYSTEM  
 PRIOR TO INSTALLATION OF SEPTIC SYSTEM REQUIRED  
 APPROVED BY ENGINEER OF SUPERVISOR REQUIRED  
 CHECK WITH HEALTH DEPARTMENT



**CONNECTICUT CONSULTING ENGINEERS, L.L.C.**  
**PROFESSIONAL ENGINEERS & PLANNERS**  
 43 1/2 COLONY STREET  
 203-639-8636  
 MERIDEN, CT 06451  
 FAX 203-238-0840

**SEPTIC SYSTEM PLAN**

PREPARED FOR  
**LANCORP DEVELOPERS**  
**LOT #7 NICHOLAS COURT**  
**NICHOLAS ESTATES**

PROSPECT, CONNECTICUT

REV. 8/20/1999

DATE: 8/3/1999  
 CDK: [Signature]  
 S.D.P.: [Signature]  
 SCALE: 1" = 20'  
 PROJ. NO.: 02E 9944  
 CDK DRAW. NO.: 9844

SCOTT D. PORYANDA P.E. #19299