

**SOIL/SITE EVALUATION  
 for ON-SITE WASTEWATER SYSTEM**

Owner:  
 Address:  
 Proposed Facility: 170 SEAT CHURCH W/O KITCHEN Design Flow (.1949): 510 gpd  
 Location of Site:  
 Water Supply:  Public  Individual  Well  
 Evaluation Method:  Auger Boring  Pit  
 Type of Wastewater:  Sewage  Industrial Process

Applicant:  
 Date Evaluated: 4/28/04  
 Property Size:  
 Property Recorded:  Spring  Other  
 Cut  
 Mixed

P R O F I L E #	1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941		OTHER PROFILE FACTORS				Profile Class & LTAR
			.1941 Structure/ Texture	.1941 Consistence Mineralogy	.1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	
		0-18	G L	VFR NS/NP					PS .6
		18-28"	SBK SL/SL	VFR SS/NP	2.5	7/1 @ 25"			
		0-12	G L	VFR NS/NP					PS .5
		12-33"	SBK S, CL (SCL)	FR SS/NP	2.5	7/1 @ 31"			
		0-12	G SL	VFR NS/NP					PS .5
		12-36"	SBK SCL	FR SS/NP	2.5	7/1 @ 32"			
		0-14	SL	VFR NS/NP					PS .4
		14-34"	SBK SC/SL	FR/F SS/SP	2.5	7/1 @ 30			

Description	Initial System	Repair System
Available Space (.1945)	✓	✓
System Type(s)	CON	CON
Site LTAR	.5	.4

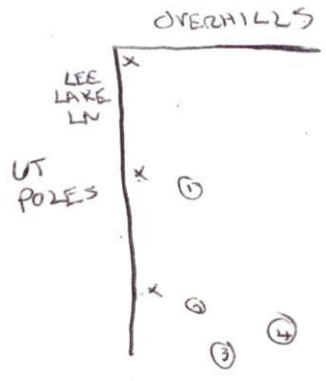
Other Factors (.1946): \_\_\_\_\_  
 Site Classification (.1948): PS  
 Evaluated By: OT  
 Others Present: \_\_\_\_\_

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

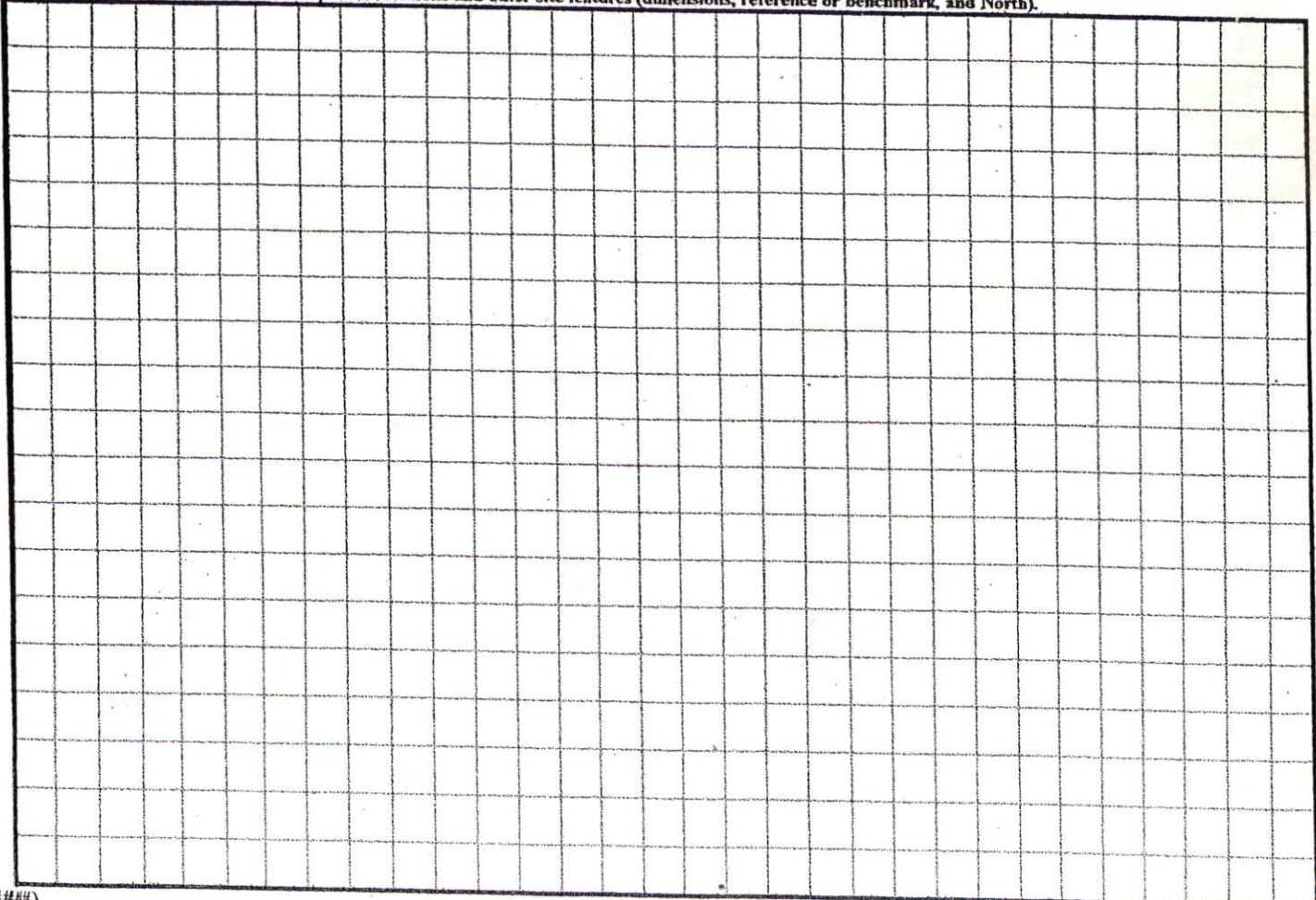
LANDSCAPE POSITIONS	GROUP	TEXTURES	.1955 LTAR	CONSISTENCE MOIST	WET
R-RIDGE	I	S-SAND	1.2 - 0.8	VFR-VERY FRIABLE FR-FRIABLE FI-FIRM VFI-VERY FIRM EFI-EXTREMELY FIRM	NS-NON-STICKY SS-SLIGHTLY STICKY S-STICKY VS-VERY STICKY NP-NON-PLASTIC SP-SLIGHTLY STICKY P-PLASTIC VP-VERY PLASTIC
S-SHOULDER SLOPE		LS-LOAMY SAND			
L-LINEAR SLOPE	II	SL-SANDY LOAM	0.8 - 0.6		
FS-FOOT SLOPE		L-LOAM			
N-NOSE SLOPE	III	SI-SILT-	0.6 - 0.3		
H-HEAD SLOPE		SIL-SILT LOAM			
CC-CONCLAVE SLOPE		CL-CLAY LOAM			
CV-CONVEX SLOPE		SCL-SANDY CLAY LOAM			
T-TERRACE	IV	SIC-SILTY CLAY	0.4 - 0.1		
FP-FLOOD PLAN		C-CLAY			
		SC-SANDY CLAY			

- STRUCTURE**
- SG-SINGLE GRAIN
  - M-MASSIVE
  - CR-CRUMB
  - GR-GRANULAR
  - SBK-SUBANGULAR BLOCKY
  - ABK-ANGULAR BLOCKY
  - PL-PLATY
  - PR-PRISMATIC

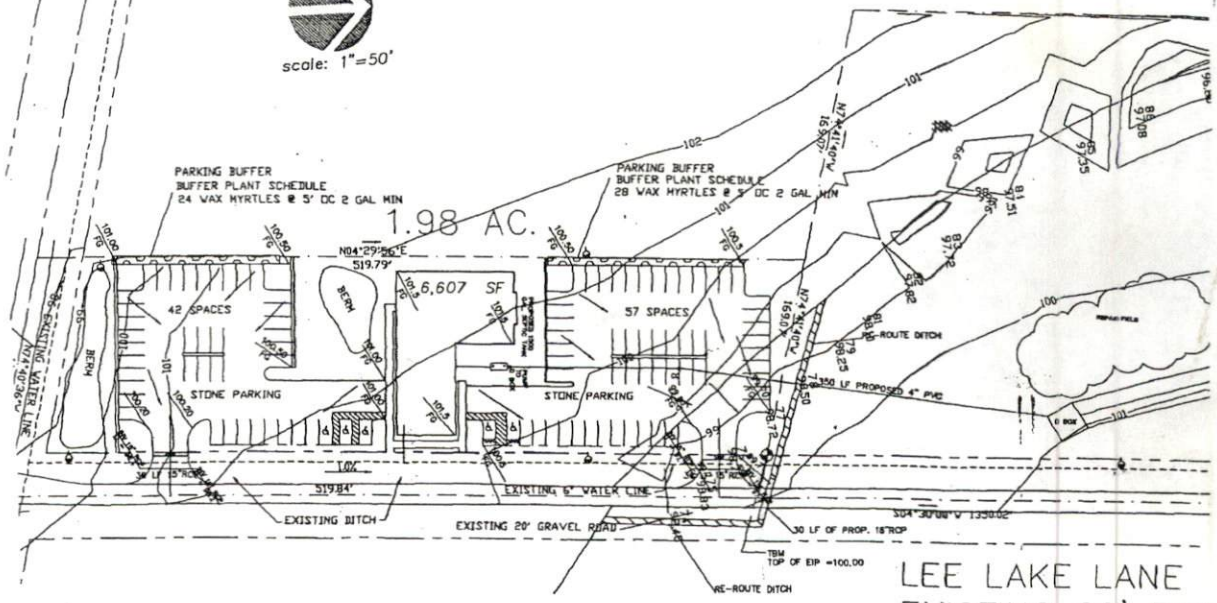
- MINERALOGY**
- SLIGHTLY EXPANSIVE
  - EXPANSIVE



Show profile locations and other site features (dimensions, reference or benchmark, and North).



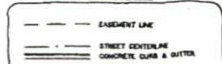




LEE LAKE LANE  
EXISTING 60' RO

9'4" BOTTOM  
OF  
TANK

LEGEND



3' 4" BUILDING  
GRADE

160'

3' 10.5"

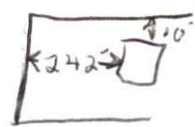
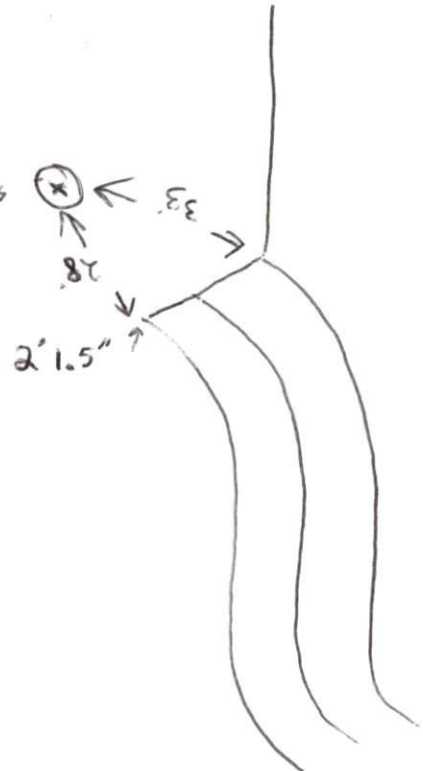
240'

2' 1.5"

FIELD

~400'

320  
U.P.  
FROM  
OVERHILLS  
RD



## OVERHILLS BAPTIST CHURCH

3 x 115' LINES @ 20"

$$3 \quad \frac{1}{2}'' \text{ SCH 40 TAPS} = 3 \times 7.11 = 21.33 + 2 = 23.33 \text{ gal} = 23 \text{ gal.}$$

$$\text{TOD} = \text{PH} + \text{EH} + \text{FH} = 2 + 7' 3'' + 6' = 15' 3'' = 15$$

$$\text{PH} = 2$$

$$\text{EH} = 9' 4'' \rightarrow 2' 15'' = 7' 3''$$

$$\text{FH} = 6'$$

$$2'' \text{ SCH 40} \quad 1.27 \text{ gal/ft}/100\text{ft}$$

$$1.27 \times 4 = 5.08$$

$$5.08' \times 1.20 = 6.096' = 6'$$

$$\text{PUMP SPECS} = 23 \text{ gal/min @ } 15' \text{ TDH}$$

## DOSE

$$345 \text{ ft} \times .65 \text{ gal/ft} \times .66 = 148 \text{ gallons/dose}$$