

# Southeastern Soil & Environmental Associates, Inc.

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October 09, 1997

Mr. Graham Byrd  
Mr. Joe West  
Harnett County Health Department  
P.O. Box 09  
Lillington, N.C. 27546

Re: Soil/site evaluation, additional 0.30 acres, Charles Stuart Kelley, Jr., US Hwy. 421,  
Harnett County, North Carolina

Dear Sirs,

A soil/site evaluation has been conducted on the addition of the aforementioned property to accommodate an initial and repair systems. The subject site is located on the north side of US 421, west of an intersection with SR 1258. All ratings and determinations were made in accordance with "Laws and Rules for Sanitary Sewage Collection, Treatment, and Disposal, 15A NCAC 18A .1900".

The additional property (0.30 acres) contains soils that are provisionally suitable to at least 30 inches. Based on this usable depth, a proposed system design is shown on the accompanying map.

Because of the addition of this property, the site would be designated provisionally suitable for a conventional waste disposal system. The site contains enough provisionally suitable area to allow for conventional, PPBPS and/or LPP repairs.

Sincerely,



Mike Eaker

# SITE/SOIL EVALUATION FOR ON-SITE WASTE WATER

APPLICANT: Charles Kelly PHONE: \_\_\_\_\_ APPLICATION DATE: 4-7-97  
ADDRESS: \_\_\_\_\_  
COUNTY: Harwell PROPERTY SIZE: 58.75 AC PROPOSED FACILITY: Home 3 bedroom  
LOCATION OF SITE: Hwy 421  
WATER SUPPLY: On-Site Well \_\_\_\_\_ Community \_\_\_\_\_ Public ☒ Other \_\_\_\_\_ EVALUATION BY: Auger Boring ☒ Pit. \_\_\_\_\_ Cut \_\_\_\_\_

FACTORS		PROFILES									
		1	2	3	4	5	6	7	8	9	10
LANDSCAPE POSITION	.1940	L	L	L	L						
SLOPE (%)	.1940										
HORIZON 1 DEPTH		0-12	0-12	0-14	0-12	0-12					
Texture Group	.1941(A)(1)	SL	SL	SL	SL	SL					
Consistence	.1941	VFR	VFR	VFR							
Structure	.1941(A)(2)	gr	gr	gr							
Mineralogy	.1941(A)(3)										
HORIZON 2 DEPTH		12-24	12-20	14-20	12-36	12-30					
Texture Group	.1941(A)(1)	SC	clay	SCL	SCL to SC	SC					
Consistence	.1941	FI	FI	Fr	FI to Fr	FI					
Structure	.1941(A)(2)	sbk		wsbk	sbk	sbk					
Mineralogy	.1941(A)(3)										
HORIZON 3 DEPTH		24-30									
Texture Group	.1941(A)(1)	SCL									
Consistence	.1941	Fr									
Structure	.1941(A)(2)	wsbk									
Mineralogy	.1941(A)(3)										
HORIZON 4 DEPTH		30-48									
Texture Group	.1941(A)(1)	SL									
Consistence	.1941	VFR									
Structure	.1941(A)(2)	Fr									
Mineralogy	.1941(A)(3)										
SOIL WETNESS	.1942	36"									
RESTRICTIVE HORIZON	.1944		15"	30"	36	30					
SAPROLITE	.1943/1956										
CLASSIFICATION	.1948	PS	u	PS	PS	PS					
LONG TERM ACCEPTANCE RATE	.1955	.4	u	.5	.4	.4					

AVAILABLE SPACE (1945): \_\_\_\_\_ SITE LONG TERM ACCEPTANCE RATE: .4  
OTHER FACTORS (1946): \_\_\_\_\_ SYSTEM TYPE: CONV.  
SITE CLASSIFICATION (1948): PS  
EVALUATED BY: Jff Eudy OTHERS PRESENT: \_\_\_\_\_  
COMMENTS: \_\_\_\_\_

Areas of u soils on other side of home location.

stop down to 18"  
24" 3x20'

2x2 clay soils

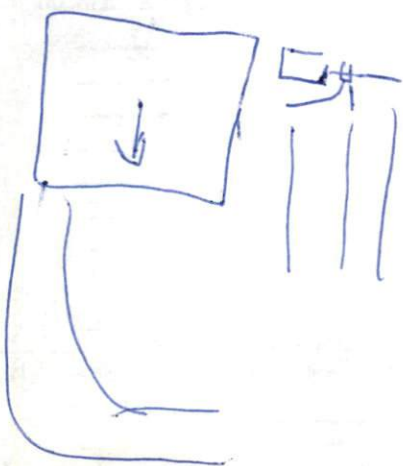
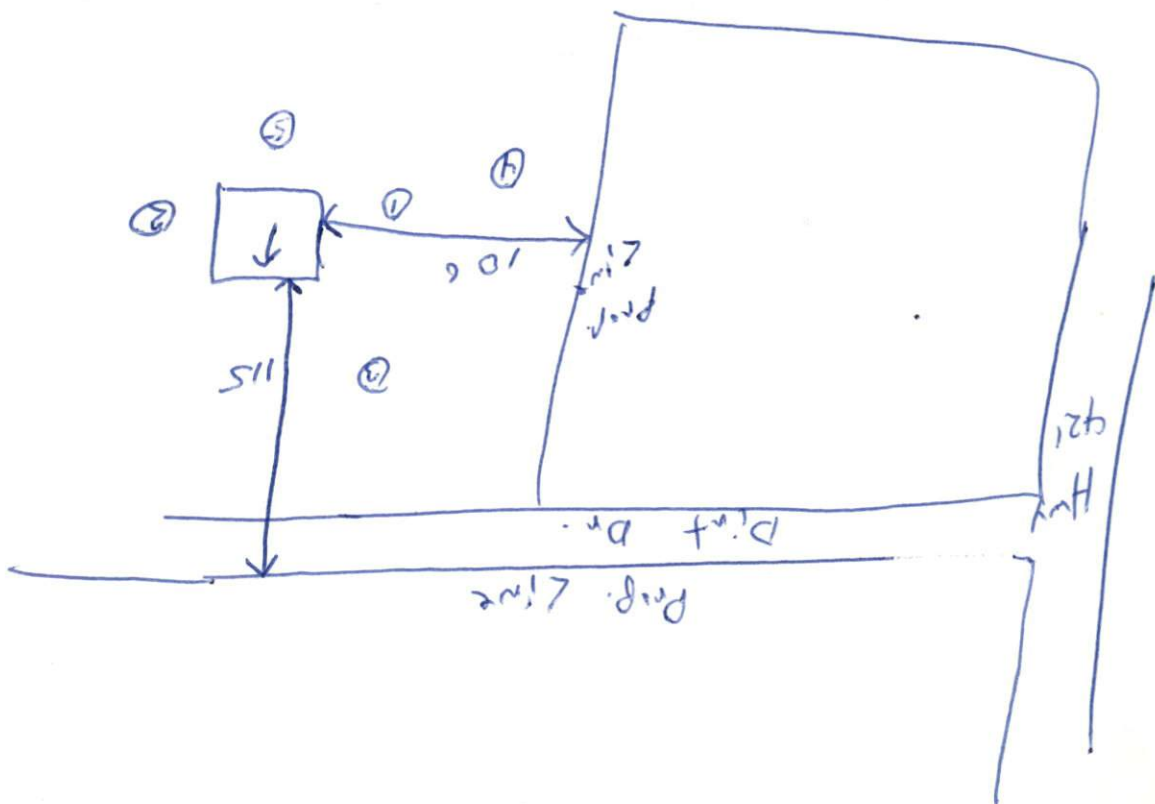
u at 30"

14 - 305cc

② 0 - 145c

⑤ u at 30"

④ u at 36"  
0 - 125c  
12 - 365cc  
to 5c







③ 3-16-5  
3-17-10  
3-17-10  
3-17-10

1-1-0-③  
69  
87-28  
528  
mot.  
upm

22 Md  
14-2256  
0-1465 (D)

*P*