EARTHPLANS SOILS CONSULTING

PROPERTY ID: 4706 86 0232 .021
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: APEX DEVELOPERS PHONE NO.S 704 883 7577
ADDRESS: 128 SUZUKI DRIVE - TROUTMAN NC 28166

CONTRACT DATE
EVALUATION DATE:

AGENT/BUYER Steve Caldwell PHONES NO.S 828 478 2779
ADDRESS 6826 Locke Drive - Sherrills Ford NC 28673 828 312 5787 mob

PROPOSED FACILITY: SFR
LOCATION OF SITE: Forest Creek phase II Lot 21 PROPOSED DESIGN FLOW (.1949): 360gpd

PROPERTY SIZE: .461 ac
DATE THE PROPERTY WAS RECOR

WATER SUPPLY: ☑ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☑ Auger Boring ☐ Pit ☐ Cut TYPE OF WASTEWATER: ☒ Domestic ☐ Industrial Process ☐ Mixed

Legend *of standard abbreviations*

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope) CV (Convex Slope) D (Drainage Way) DS (Debris Slump) FP (Flood Plain) FS (Foot Slope) H (Head Slope) L (Linear Slope) N (Nose Slope) R (Ridge) S (Shoulder Slope) T (Terrace)	I	S (Sand) LS (Loamy Sand)	1.2 -	0.6 - 0.4	NEXP (Non-expansive) SEXP (Slightly Expansive) EXP (Expansive)	G (Single Grain) M (Massive) CR (Crumb) GR (Granular) SBK (Subangular Blocky) ABK (Angular Blocky) PL (Platy) PR (Prismatic)
	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		
	III	Si (Silt) SiCL (Silty Clay Loam) CL (Clay Loam) SCL (Sandy Clay Loam) SiL (Silt Loam)	0.6 – 0.3	0.3 - 0.15		
	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay) O (Organic)	0.4 - 0.1 None	0.2 - 0.05 None	MOIST VFR (Very Friable) FR (Friable) FI (Firm) VFI (Very Firm v. Very Sticky) EFI (Extremely Firm)	WET NS (Non-sticky) SS (Slightly Sticky) S (Sticky) VS (Very Sticky) NP (Non-plastic) SP (Slightly Plastic) P (Plastic) VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

NOTES
HORIZON DEPTH In inches below natural soil surface
DEPTH OF FILL In inches from land surface
RESTRICTIVE HORIZON Thickness and depth from land surface
SAPROLITE S(suitable) or U(unsuitable)
SOIL WETNESS Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)
Evaluation of saprolite shall be by pits.
Long-term Acceptance Rate (L.T.A.R.): gal/day/ft2

Diagram of property showing location of soil test sites

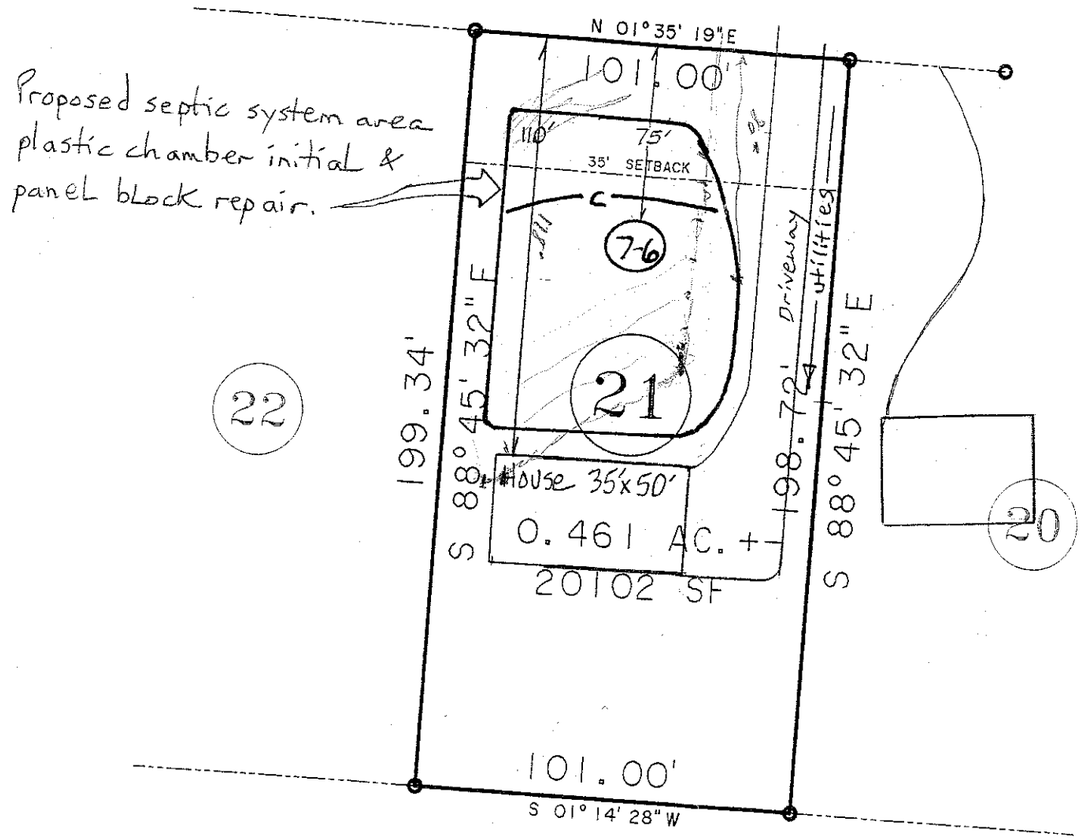
See Attached Drawing

SEPTIC PLAN FOR

LOT #21 FOREST CREEK

JULY 5, 2005

50' R/W



Proposed septic system area plastic chamber initial & panel block repair.

Plastic Ch. Initial
360÷0.35÷4=260'
5 lines of 55'
Panel block repair
(360÷0.35÷3)÷2=171'
3 lines of 57'

40 0 40 80 120
GRAPHIC SCALE – FEET

DEDMON SURVEYS

SCOTT/FC21/CP

SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet ___ of ___

PROPERTY ID #: _____
DATE OF EVALUATION: _____
COUNTY: _____

ph II Lot 21 Forest Creek

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
7-6	LS 6%	0-2	gr / L	vfr	2.5YR 4/6				
		2-26	sbk / CL	sfi / 1:1	" "				
		26-40	sbk / L	fr	" "				
		40-52	sgr / FSL	vfr	" 4/8	>52	na	>52	PS .35

COMMENTS: _____

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____

EVALUATED BY: _____
OTHER(S) PRESENT: _____

COMMENTS: _____

DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet ___ of ___
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Steve Caldwell / Mark Development
ADDRESS: _____ APPLICATION DATE _____
PROPOSED FACILITY: Store Front PROPOSED DESIGN FLOW (.1949): 360 gpd DATE EVALUATED: _____
LOCATION OF SITE: Lot #21 Forest Creek PROPERTY SIZE: 0.961 ac.
WATER SUPPLY: ☐ Private ☑ Public ☐ Well ☐ Spring ☐ Other _____ PROPERTY RECORDED: _____
EVALUATION METHOD: ☑ Auger Boring ☑ Pit ☐ Cut TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	L/SH <5%	0-4	gr / SL	L / Sap	>60	32"	PS >60	—	PS; 0.3
		4-22	SBK / SC	Fr / Sap					
		22-32	wSBK/HCI Sap	Fr / Sap					
		32+	SAP						
2	L/ 6%	0-8	gr / SL	L / Sap	>60	32"	PS >60	—	PS 0.3
		8-24	SBK / SC	Fr / Sap					
		24-34	wSBK / SCEAP	Fr / Sap					
		34+	SAP						
3	L 6%	0-6	gr / SL	L / Sap	>60"	32"	PS >60	-	PS 0.3
		6-26	SBK/SC	Fr - Sap					
		26-32	wSBK / SCEAP	Fr - Sap					
		32"	SAP						
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	III / 500 Rock.	III / 500 Rock.
Site LTAR	0.3	0.3

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: TCH
OTHER(S) PRESENT: _____

COMMENTS: _____