Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 1-2
Property ID: 4639-22-0816
Lot #: Phase 4 Lot 18
File #:
AppID:

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Tandra Investments
Address: 172 Williamson Rd #5229 Mooresville NC 28117
Proposed Facility: 4 BRM Design Flow (.1949) 480gpd
Location of Site: 137 Wolf Hill Rd Mooresville NC 28117
Water Supply: [ ] Public [ ] Individual [✓] Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [✓] Pit [ ] Cut
Type of Wastewater: [✓] Sewage [ ] Industrial Process [ ] Mixed

Applicant: William Allen
Date Evaluated: 1-9-14
Property Size: 2.13
Property Recorded: yes

PROFILE #	1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY 1941 Structure/ Texture	1941 Consistence Mineralogy	b PROFILE FACTORS 1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr Horiz	Profile Class & LTAR
P 1	SS 15%	0-13	B SCL Gr	Fr SS SP SE SP	few sap com red clay incl. @ transition, very wavy boundary	39"	PS	-	PS .3
		13-39	RC WFABk/SBk	Fr S P SE SP					
		39-65	Var SL Sap Pa	Fr/Fi SS SP SE SP					
P 2	SS 20%	0-11	B SCL Gr	Fr SS SP SE SP	few sap com clay incl, com clay veins	26"	PS	-	PS .3
		11-26	RC WFABk/SBk	Fr SS SP SE SP					
		26-40	Var SL Sap Pa	Fr SS SP SE SP					
		40-66	Var SL Sap Pa	Fr SS SP SE SP					
P 3	SS 10%	0-9	B SCL Gr	Fr SS SP SE SP	com sap few clay	36"	PS	-	PS .3
		9-19	RC WFSBk	Fr SS SP SE SP					
		19-36	RC/CL WFSBk	Fr SS SP SE SP					
		36-65	Var SL Sap Pa	Fr/Fi SS SP SE SP					
P 4	SS 25%	0-16	B SCL Gr	Fr SS SP SE SP	few sap com chr veins >28"	25"	GW	-	PS .1 to 25%
		16-25	RB C/CL LFSBk	Fr SS SP SE SP					
		25-63	Var SL Sap Pa	Fi SS SP SE SP					

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	25% Red	Drip Irr.
Site LTAR	0.3	0.1

Other Factors (.1946): None
Soil Evaluation By: ALP
Others Present: William Allen, David Beane
Site Classification (.1948): PS
Site Evaluation By: ALP
Others Present: William Allen, David Beane

Department of Environment, Health, and Natural Resources
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On-site Wastewater Section

Sheet: 2-2
Property ID: 4639-22-0816
Lot #: Phase 4 Lot 18
File #:
AppID:

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Tandra Investments
Applicant: William Allen
Address: 172 Williamson Rd # 5229 Mooresville NC 28117
Date Evaluated: 1-9-14
Proposed Facility: 4 BRM
Design Flow (.1949) 480 gpd
Property Size: 2.13
Location of Site: 137 Wolf Hill Rd Mooresville NC 28117
Property Recorded: Yes

Water Supply: [ ] Public [ ] Individual [✓] Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [✓] Pit [ ] Cut
Type of Wastewater: [✓] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY 1941 Structure/ Texture	SOIL MORPHOLOGY 1941 Consistence Mineralogy	b PROFILE FACTORS 1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr Horiz	Profile Class & LTAR
P 5	SS 30%	0-11	B SCL Gr	Fr SS SP SE&P		28"	PS	45"	PS .225-.25
		11-19	BR C MFAB 4/SB4	Fr S SP SE&P	few YB,				
		19-28	R C WFSB4	Fr SS SP SE&P	con sap, few YB con Rchy veins				
		28-45	Var SL Sap R	Fr SS SP SE&P					
		45-63	Var LS Sap M	Fi/VFi NS NP NE&P	Rock controlled				

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	25% Red.	Drip Irr.
Site LTAR	0.3	0.1

Other Factors (.1946): None
Soil Evaluation By: ALP
Others Present: William Allen, David Beene
Site Classification (.1948): PS
Site Evaluation By: ALP
Others Present: William Allen, David Beene

S45°57'32"W
348.28
60'
35'
DRIVE
209'
79
78
77
110
243
950
4639-12-8924
Todd + Sudet
136 Carlton Dr.
Mooresville, NC 28117
311.00
N65°24'43"E
LC
6400
7+35.23
CURVE
DATA
N19°55'27"W
416.43
209'
S36°16'14"E
151.00
S22°20'41.62"W