Paid $350. @ Statesville

RECEIVED FEB 2 4 2014 PM



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
1999 CANDLEWICK DRIVE
FORT MILL, S.C. 29715
803-802-4403 (office)
803-802-4402 (fax)

Reference: Data Sheet for 358 Beaten Path Rd., CL&T Sec. 9, Lot 99A
House Footprint: See attached plan
Building Setbacks: 35' front, 15' side, 50' lake
Water Source: Private well
Number of Bedrooms: 4/480 GPD
Proposed LTAR: 0.3 GPD/FT2
Existing System Type: PPBPS
Proposed Repair System Type: PPBPS
Distribution: Low pressure
Septic Tank Size: 1000/1000 gallons (existing)
Proposed Trench Bottom: existing

Line	Design Length	Actual Length
White 1		15'
Blue 2		32'
Orange 3		50'
White 4		40'
Blue 5		45'
Orange 6		75'
White 7 (existing)	**90'**	
Blue 8 (existing)	**90'**	
Orange 9 (existing)	**90'**	
Blue 10		20'

Initial System: 270' (existing) **Repair System:** 277'

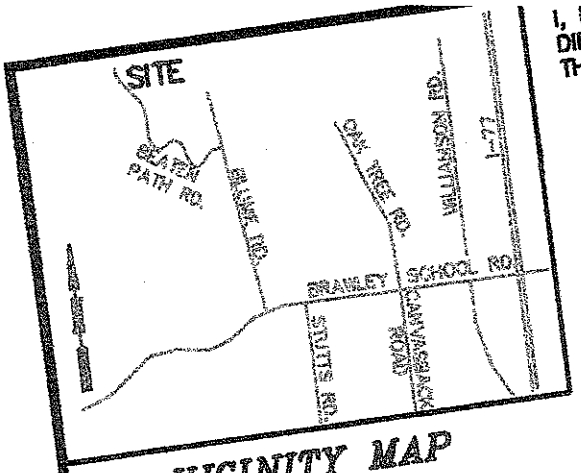
Comments:
This property currently has an existing low pressure PPBPS system. Michael Athanas & Associates proposes to use the current system. The original repair area was compromised when the gravel drive was built; therefore, a new repair area was laid out. The current well must be abandoned and a new well installed. There appears to be some fill on the tanks and a small amount at the start of the white line. This fill should be removed.

I, RUFUS ... DIRECT SUPERVISION, THAT ... THE ANGULAR ERROR WAS < 7.5 SECONDS ...

WITNESS MY HAND AND OFFICIAL SEAL THIS ____

N.C.P.L.S. L-2844
LICENSE NO.

PROFESSIONAL LAND S...



VICINITY MAP
NO SCALE

Scale 1" = 40'

LOT 97
DAVID HILLSGROVE
& wf. REBECCA
DB 1563-1242
PIN 4627-93-3940
MB 14-100

LAKE NORMAN

N 47°27'23"E 225.23'

LOT 99A
0.849 ACRES

L1
L2
L3
L4
L5
L6

12.55'±

N 56°21'05"E 91.04'

S 29°38'42"W 77.41'

64.86'

50' LAKE SETBACK

15' SIDE SETBACK

5/8" REBAR

SEPTIC DRAINFIELD EASEMENT FOR LOT 99

N 00°04'17"W 62.80'

S 14°30'30"W 94.33'

N 30°08'28"W 39.83'

S 29°43'02"E 52.04'

S 14°27'21"W 35.34'

N 67°45'32"W 62.89'
Arc 62.91' Rad 671.06'

N 34°08'45"W 201.56'
Arc 211.73' Rad 195.79'

60' R/W

BEATEN PATH LANE

Gravel Drive

25' FRONT SETBACK

SEWER PUMPS

WHITE FLAGS 1

BLUE FLAGS 4

ORANGE FLAGS 3-5

WHITE FLAGS 4

BLUE FLAGS 2

ORANGE FLAGS 1-2

WHITE FLAGS 3

ORANGE FLAGS 2

BLUE FLAGS 1

Distance

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet __1__ *of* __1__
PROPERTY ID #: 4627933774_
COUNTY: Iredell___

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: _Julianne Jones_____ APPLICATION DATE_____
ADDRESS: _Cornelius, NC_____ DATE EVALUATED: _____
PROPOSED FACILITY: _4 bdrm_____ PROPOSED DESIGN FLOW (.1949): _480 GPD_____ PROPERTY SIZE: __0.85 AC_____
LOCATION OF SITE: _358 Beaten Path_____ PROPERTY RECORDED: _10/14/1994_____
WATER SUPPLY: ☒ Private ☐ Public ☒ 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)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	LS 10%	0-7	FILL		N/A	50"	N/A	N/A	PS 0.3
		7-9	Br SCL WSBK	FR SS SP					
		9-28	R C SBK	FR SS SP					
		28-50	R CL WSBK	FR SS SP					
2	LS 10%	0-3	Br SCL WSBK	FR SS SP	Few Mn	50"	Few SAP	N/A	PS 0.3-0.275 NOT IN SYSTEM AREA
		3-33	R C SBK	FR SS SP					
		33-50	R CL WSBK	FR SS SP					
3	LS 7%	0-9	Br SCL WSBK	FR SS SP	N/A	26"	F-C SAP PS	N/A	PS 0.3 TO 26" NOT IN SYSTEM AREA
		9-20	R C SBK	FR SS SP					
		20-26	R CL WSBK	FR SS SP					
		26-48	VER L SAP M	VFR SS SP					
4	LS 12 %	0-36	R C SBK	FR SS SP	Few Mn	48"	N/A	N/A	PS 0.3-0.275 NOT IN SYSTEM AREA
		36-48	R CL WSBK	FR SS SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	540 FT2	540 FT2
System Type(s)	LPPPBPS	PPBPS
Site LTAR	0.3 (ICHD)	0.3

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

EVALUATED BY: __M A & Associates_____
OTHER(S) PRESENT: _____

COMMENTS: _____

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: 4627933774____
DATE OF EVALUATION: ____________
COUNTY: IREDELL______

PROFILE #	.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	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
5	LS 12%	0-3	Br SCL WSBK	FR SS SP	N/A	48"	N/A	N/A	PS 0.3
		3-40	R C SBK	FR SS SP					
		40-48	R CL WSBK	FR SS SP					

COMMENTS: ____