APPROVED MAY 14 2015



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
561 Ennis Rd.
Weddington, NC 28173
(704) 576-3887

Reference: Data Sheet for 680 Beaten Path Rd., CL&T Sec 9 Lot 26
House Footprint: See attached
Building Setbacks: 35' front, 15' side, 50' lake
Water Source: Private well
Number of Bedrooms: 3/360 GPD
Proposed LTAR: 0.3 GPD/FT2
Proposed System Type: 25% Reduction
Proposed Repair System Type: Pretreatment Drip irrigation
Distribution: Gravity-drop boxes/end cap
Septic Tank Size: 1000 gallons
Proposed Trench Bottom: 24-36"

Line	Design Length	Actual Length
Blue 1	55'	56'
White 2	60'	60'
Pink 3	85'	88'
Orange 4	65'	65'
Pink 5	35'	37'

Initial System: 300' **Repair System:** 3600+ft2

Comments:
This lot was originally deeded in 1977 but in 1994 a strip of land by the lake was added to the lot. The current 2" well will be abandoned and a new well drilled.

that the ratio of precision as calculated is 1: 10,000+ that this plat was prepc
dance with G.S. 89-C as amended. Witness my original signature, registration nun
l this 12 day of April, A.D. 2014.

Lance D. Schamback, PLS
LICENSE NUMBER: L-429

operty may be subject to
ments, Rights-of-way,
estrictive Covenants.
ry information based on Plat
at Page: 93 and Deed Bok 937
016 as recorded in the
nty Register of Deeds.
rvey is of an existing
parcels of land.
y coordinate method.
e Commitment was
r reviewed.

P.B. 14, Pg. 93

Scale
1"=40'

Dock

Lake Norman

NORTH CAROLINA PROFESSIONAL SEAL L-4295 LAND SURVEYOR LANCE D. SCHAMBACK

lorman

#3 Rebar Found Flush

#4 Rebar Found Flush

#4 Rebar Found 0.4' Tall

#4 Rebar Found Flush

L5 N21°08'32"W 77.96 N26°26'44"W 86.50

L4 L2 N53°37'07"W 35.64 N03°18'40"W 53.18 Old Plat Line N17°46'21"W 18.39 N02°12'22"E 32.55 N31°55'55"W 31.93 N53°54'08"W 54.70

D.B. 937 at Pg 1016

#4 Rebar Found 0.2' Tall

#3 Rebar Found 0.4' In Ground

I.P.S.

L1

Repair Area ⑤

#3 Rebar Found Flush

#3 Rebar Found Flush

Neighbors well on far left

W2-66' ①

B1-55'

P3-85'

P4-65'

P5-35'

0.88 Acres Total

34,897 Sq.Ft. Total

786.9 765.7 X 765.8 X 765.1

15' Septic Tank Easement

Septic Tank

Deck

Deck

Basement Proposed House

Repair Area

Lot 26 P.B. 14, Pg. 93

100' To Edge of Gully

Gully

Lot 25

Lot 27

S30°34'09"W 199.17

N74°10'00"E 194.41 Total

770.8 770.8 X 769.1

772.4 772.4

773.1

774.3 774.0 774.0 X 773.6

35' Setback

Repair Area

Well House (Abandoned)

50'

Well House

DRIVE

#5 Rebar Found 0.5' Tall

#5 Rebar Found Bent

C1

Overhead Power Lines

APPROVED MAY 14 2015

end
ght-of-way
4 Rebar Set
ot to scale
elephone Pedestal
y Wire
ility Pole
ge of Pavement
ulated Point
t Pole

S17°45'01"E 130.98 Tie

Beaten Path Rd.

60' R/W

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

PROPERTY ID #: 4627801540
COUNTY: _Iredell___

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

APPROVED MAY 14 2015

OWNER: _Michael Stutts_____ APPLICATION DATE_____
ADDRESS: 2011 Clematis Rd., Charlotte, NC_____ DATE EVALUATED: _____
PROPOSED FACILITY: __3 bdrm_____ PROPOSED DESIGN FLOW (.1949): __360 GPD__ PROPERTY SIZE: _0.80_____
LOCATION OF SITE: _680 Beaten Path, CL&T sec 9 Lot 26_____ PROPERTY RECORDED: _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) .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
AB 1	LS 7%	0-6	Br CL WSBK	FR SS SP	N/A	36"	F-C SAP	N/A	PS 0.3-0.4
		6-36	R CL WSBK	FR SS SP			PS		
		36-48	VER L SAP M	FR SS SP					
AB 2	LS 7%	0-24	R C SBK	FR SS SP	N/A	48"	N/A	N/.A	PS 0.3
		24-48	R CL WSBK	FR SS SP					
AB 3	LS 5%	0-17	R C SBK	FR SS SP	N/A	36"	N/A	N/A	PS 0.3
		17-36	R CL WSBK	FR SS SP					
AB 4	LS 3%	0-12	RBr CL WSBK	FR SS SP	N/A	36"	N/A	N/A	PS 0.3
		12-20	R C SBK	FR SS SP					
		20-36	R CL WSBK	FR SS SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	900 FT2	3600+FT2
System Type(s)	25% Reduction	Drip
Site LTAR	0.3	0.1

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): ____PS_____
EVALUATED BY: ____M A & Associates_____
OTHER(S) PRESENT: _____

COMMENTS: _____

SOIL/SITE EVALUATION APPROVED MAY 14 2015

(Continuation Sheet) ARP

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: 4627801540
DATE OF EVALUATION:
COUNTY: IREDELL

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
P 1	LS 5%	0-9	R C SBK	FR SS SP	N/A	54"	F-C SAP	N/A	PS 0.3
		9-54	R CL WSBK	FR SS SP					
		0-7	Compacted C						
		7-19	R CL w MFSBK/MFSBK	Fr SS SP SEx	Com clay films/ Com Sep				
		19-48	YR C CL MFSBK	Fr SS SP SEXP	Com Sep				.3
P 2	LS 5%	0-26	R C/CL WSBK	FR SS SP	N/A	26"	PS	N/A	PS 0.3-0.4
		26-60	VER L SAP M	FR SS SP					
		0-7	Compacted CL						
		7-21	YR C L MFSBK	ISOL Fr SS SP SEx	Com Sep, com Clay films				
		21-55	Var. L Sap M	Fr SS SP SEXP	few CL inch, few WR on east side of pit	and an increase in CC			.35
P 3	LS 3% ✓	0-4	Br CL WSBK	FR SS SP	N/A	50"	N/A	N/A	PS 0.3
		4-43	R C SBK	FR SS SP					
		43-50	R CL WSBK	FR SS SP					
		water in pit @ 39"							
P 4	LS 3%	0-3	Br CL WSBK	FR SS SP	N/A	48" water > 45"	N/A	N/A	PS 0.3
		3-48	R C SBK	FR SS SP					
		0-18	R C MFSBK	Fr SS SP SEx					
		18-32	RC MFSBK	Fr SS SP SEXP	Com Mn, few	Ra			.25 > 18"
		32-45	R CL w FSBK	Fr SS SP SEXP	few Sep				
P 5	LS 5%	0-3	Br CL WSBK	FR SS SP	N/A	55"	F-C SAP	N/A	PS 0.3
		3-33	R C SBK	FR SS SP					
		33-55	R CL WSBK	FR SS SP					

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

APPROVED MAY 14 2015

AP

Sheet 3 of 3

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: 4627801540
DATE OF EVALUATION:
COUNTY: IREDELL

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
P 6	LS 5%	0-15	R C SBK	FR SS SP	N/A	46"	F-C SAP	N/A	PS 0.3
		15-46	R CL WSBK	FR SS SP					
		46-50	VER L SAP M	FR SS SP			PS		
AP 1	LSS 8% in micro topo feature	0-48	YR CL MFSBK	FR SS SP SEP	few sap	49"	-	-	PS .325
AP 2	LSS 11%	0-1	Gravel		few sap	48"	-	-	PS .325
		1-2	Compacted clay						
		2-7	RC MFSBK	FR SS SP SEP					
		7-48	YR CL MFSBK	FR SS SP SEP					

COMMENTS