

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

Approved
10/9/13

Reference: Data Sheet for Lot 129, Walking Horse Trail; Anniston; Iredell County, NC
House Footprint: 56' x 75'
Building Setbacks: 35' front/rear/15' side
Water Source: Community Water
Number of Bedrooms: 5/600 GPD
Proposed LTAR: 0.3 GPD/FT2
Proposed System Type: 25% Reduction
Proposed Repair System Type: PPBPS
Distribution: Drop Boxes/End Caps
Septic Tank Size: 1000 gallons
Proposed Trench Bottom: 36"

Line	Actual Length	Design Length	Elevation
Orange 1	115'		G
Pink 2	102'		R
Blue 3	**116'**	**100'**	**A**
Pink 4	**116'**	**100'**	**V**
Orange 5	**114'**	**100'**	**I**
Blue 6	**118'**	**100'**	**T**
White 7	**109'**	**100'**	**Y**
Orange 8	95'		
Pink 9	74'		

Initial System: 500' of 25% Reduction
Repair System: 386' of PPBPS

Comments:

- The purpose of this evaluation is to permit additional area for the septic system and to add a pool to the site plan. The site has been previously permitted by Iredell County Health Department.
- MA&A evaluated an additional 6 auger borings in the expanded area.
- The 4 corners of the house site have been surveyed and staked with orange flagging. The pool has been marked using pink pin flags.

F.E.M.A.- F.I.R.M. INFORMATION
COMMUNITY NUMBER: 370313 MAP NUMBER: 3710468400E
EFFECTIVE DATE: MARCH 02, 2009 ZONE: X (OUT)
SUPERINTENDANT VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION!
PRELIMINARY PLAT
NOT FOR RECORDATION, CONVEYANCES, OR SALES
Scale 1"=40'
Johnson Dairy Road
Presbyterian Road
site
Coddle Creek Hwy
Grey Road
Stevens Road
NORTH
VICINITY MAP
n.t.s.
MB 3-E PG 89
200' DUKE POWER COMPANY RIGHT OF WAY
Approved
10/19/15
LOT 128
REQUESTS
08.19.2015
CRAWL
DRIVE LEFT SIDELOAD
SCREEN PORCH
109SD-LH BEL AIRE
FULL BRICK
SCREEN PORCH
PROPOSED DRIVE & WALK 1,855 SF
47,190 sq. ft.
1.085 acres
Pool
SCREEN PORCH
P-FFE=848.5
P-GFE=847.0
P-TOF=846.5
LEGEND
PROPERTY CORNER
(F) FOUND
(S) SET
#4b No. 4 REBAR
R/W RIGHT OF WAY
P.D.E. PUBLIC DRAINAGE EASEMENT
MAG SURVEY NAIL
Ⓢ/SSMH SANITARY SEWER MANHOLE
P-FFE PROPOSED FINISH FLOOR ELEV
P-GFE PROPOSED GARAGE FLOOR ELEV
P-TOF PROPOSED TOP OF FOUNDATION ELEV
HP GRADING HIGH POINT
LP GRADING LOW POINT
BENCHMARK SURVEY NAIL
DRAINAGE FLOW DIRECTION
PROPOSED SEPTIC LINE
WALKING HORSE TRAIL

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

PROPERTY ID #: Lot 129; Anniston
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Shea Investment Fund I LLC
APPLICATION DATE_____
ADDRESS: 8008 Corporate Center Drive Suite 300; Charlotte, NC 28226
DATE EVALUATED: 8/2015
PROPOSED FACILITY: 5-Bedroom Residence
PROPOSED DESIGN FLOW (.1949): 600 GPD
PROPERTY SIZE: 0.85 Acres
LOCATION OF SITE: Lot 129; Anniston Subdivision; Walking Horse Trail
PROPERTY RECORDED: 10/29/2013
WATER SUPPLY: ☐Private ☐ Public ☒ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: x Auger Boring ☒ Pit ☐ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

Approved
10/19/15

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	L 6-8%	0"-33"	R C SBK	SS SP FR SEXP		48"	Litho colors @ 20"	None	.3
		33"-48"	R CL WSBK	SS SP FR SEXP					
AB 2	L 6-8%	0"-33"	R C SBK	SS SP FR SEXP		48"	Few to common Saporlite inclusions 33"-48"	None	.3
		33"-48"	R CL WSBK	SS SP FR SEXP					
AB 3	L 6-8%	0"-27"	R C SBK	SS SP FR SEXP		48"	Few to common Saporlite inclusions 27"-48"	None	.3
		27"-48"	R CL WSBK	SS SP FR SEXP					
AB 4	L 6-8%	0"-38"	R C SBK	SS SP FR SEXP		48"	Few to common Saporlite inclusions 38"-48"	None	.3
		38"-48"	R CL WSBK	SS SP FR SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1500 FT2	1158 FT2
System Type(s)	25% Reduction	PPBPS
Site LTAR	.3	.3

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: Michael Athanas and Associates
OTHER(S) PRESENT: _____

COMMENTS

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: Lot 129; Anniston
DATE OF EVALUATION: 8/2015
COUNTY: Iredell

Approved 10/19/15

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AB 5	L 6-8%	0"-27"	R C SBK	SS SP FR SEXP		48"	Few to common Saporlite inclusions 27"-48"	None	.3
		27"-48"	R CL WSBK	SS SP FR SEXP					
AB 6	L 6-8%	0"-6"	RBr CL WSBK	SS SP FR SEXP		48"	Few to common Saporlite inclusions 33-48"	None	.3
		6"-33"	R C SBK	SS SP FR SEXP					
		33"-48"	R CL WSBK	SS SP FR SEXP					
Pit #1	L 6-8%	0"-33"	R C SBK	SS SP FR SEXP		48"	Few to common Saporlite inclusions 33-48"	None	.3
		33"-48"	R CL WSBK	SS SP FR SEXP					
7	LS 8%	0-20	R C SBK	FR SS SP		48"	F-C SAP	N/A	PS 0.3
		20-48	R CL WSBK	FR SS SP					
8	LS 8%	0-28	R C SBK	FR SS SP		48"	F-C SAP	N/A	PS 0.3
		28-48	R CL WSBK	FR SS SP					

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: Anniston 129
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
9	LS 8%	0-45	R C SBK	FR SS SP	Com Litho Colors	48"	Few SAP	N/A	PS 0.3
		45-48	R CL WSBK	FR SS SP					
10	LS 8%	0-22	R C SBK	FR SS SP	N/A	48"	F-C SAP	N/A	PS 0.3
		22-48	R CL WSBK	FR SS SP					

COMMENTS: _____