

MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
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Reference: Data Sheet for Meadows Farm Lot 6, 544 Wiggins Rd
House Footprint: 60' x 60'
Building Setbacks: 35' front/rear, 15' side
Water Source: Private Well
Number of Bedrooms: 4/480 GPD
Proposed LTAR: 0.3 GPD/FT2
Proposed System Type: 25% Reduction
Proposed Repair System Type: PPBPS
Distribution: Gravity-Drop boxes-End cap
Septic Tank Size: 1000 gallons
Proposed Trench Bottom: 36"

Line	Design Length	Actual Length
White 1		82'
Blue 2		62'
Orange 3		55'
Pink 4	**90'**	**90'**
Yellow 5	**110'**	**110'**
Red 6	**100'**	**100'**
White 7	**100'**	**100'**
Black 8		70'
Red 9		85'

Initial System: 400' **Repair System:** 354'

Comments:

Approved
11-14-14
BZP

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

Sheet 1 *of* 2
PROPERTY ID #:
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: IQ Custom Const. APPLICATION DATE
ADDRESS: 840 Edminston Rd., Mt. Ulla, NC DATE EVALUATED:
PROPOSED FACILITY: 4 bdrm PROPOSED DESIGN FLOW (.1949): 480 GPD PROPERTY SIZE: 1.24 AC
LOCATION OF SITE: Meadows Farms Lot 6, 544 Wiggins Rd PROPERTY RECORDED:
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
1	LS 5%	0-6	Br SCL WSBK	FR SS SP	N/A	65"	N/A	N/A	PS 0.3
		6-24	Br R SCL WSBK	FR SS SP	0-7 B SCL Gr		Fr	SS SP SSxP	alluvial
		24-41	R C SBK	FR SS SP	7-18 RB SCL Gr		"	" " "	
		41-65	R CL WSBK	FR SS SP	18-25 B SCL Gr		"	" " "	.3
					25-44 R C MFSBK		"	" " "	
	AZP				44-62 R CL WFSBK		"	" " "	fw sap, common R
2	LS 10%	0-15	Br SCL WSBK	FR SS SP	N/A	42"	F-C SAP PS	N/A	PS 0.3
		15-42	R C SBK	FR SS SP					
		42-66	SL SAP	FR SS SP					
		0-14	B SCL Gr	FR SS SP SSxP					.3
		14-25	R C WFSBK	FR SS SP SSxP					
	AZP	25-40	R CL WFSBK	FR SS SP SSxP	cn feldspar	few sap			
		40-65	var SL SAP M	FR SS SP SSxP	cn feldspar				
3	LS 10%	0-10	Br SCL WSBK	FR SS SP	N/A	62"	N/A	N/A	PS 0.3
		10-40	R C SBK	FR SS SP					
		40-62	R CL WSBK	FR SS SP					
4	LS 10%	0-7	Br SL WSBK	FR SS SP	N/A	41"		N/A	PS 0.3-0.35
	7-25	7-27	R C SBK	FR SS SP					
	25-38	27-41	R CL WSBK	FR SS SP			F-C SAP PS		.3
	38-66	41-72	SL SAP M	VFR SS SP	FSL sap				
	AZP								

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1200 FT2	1062 FT2
System Type(s)	25% Reduction	PPBPS
Site LTAR	0.3	0.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: M A & Associates
OTHER(S) PRESENT:

COMMENTS: Approved 11-14-14
See my Soil notes
AZP

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: _____
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
5	LS 12% 7- 24 24-36 ✓ 36-64 ALP	0-7	Br SCL WSBK	FR SS SP	N/A	40"		N/A	PS 0.3-0.35
		7-25	R C SBK	FR SS SP					
		25-40	R CL WSBK	FR SS SP			F-C SAP PS		
		40-64	SL SAP M	VFR SS SP					
6	LS 7% ✓ ALP	0-30	R CL WSBK	FR SS SP	N/A fe/con R Clinel, very wavy boundary between Soil & sap	30"	F-C SAP PS • 4-. 45 at most	N/A	PS 0.4-0.5
		30-60	SL/LS SAP M	FR SS SP					
7	LS 10%	0-22	R C SBK	FR SS SP	N/A	45"	F-C SAP PS	N/A	PS 0.3-0.35
		22-45	R CL WSBK	FR SS SP					
		45-60	SL SAP M	VFR SS SP					

COMMENTS: Approved 11-14-14
See my Soil notes
ALP