

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

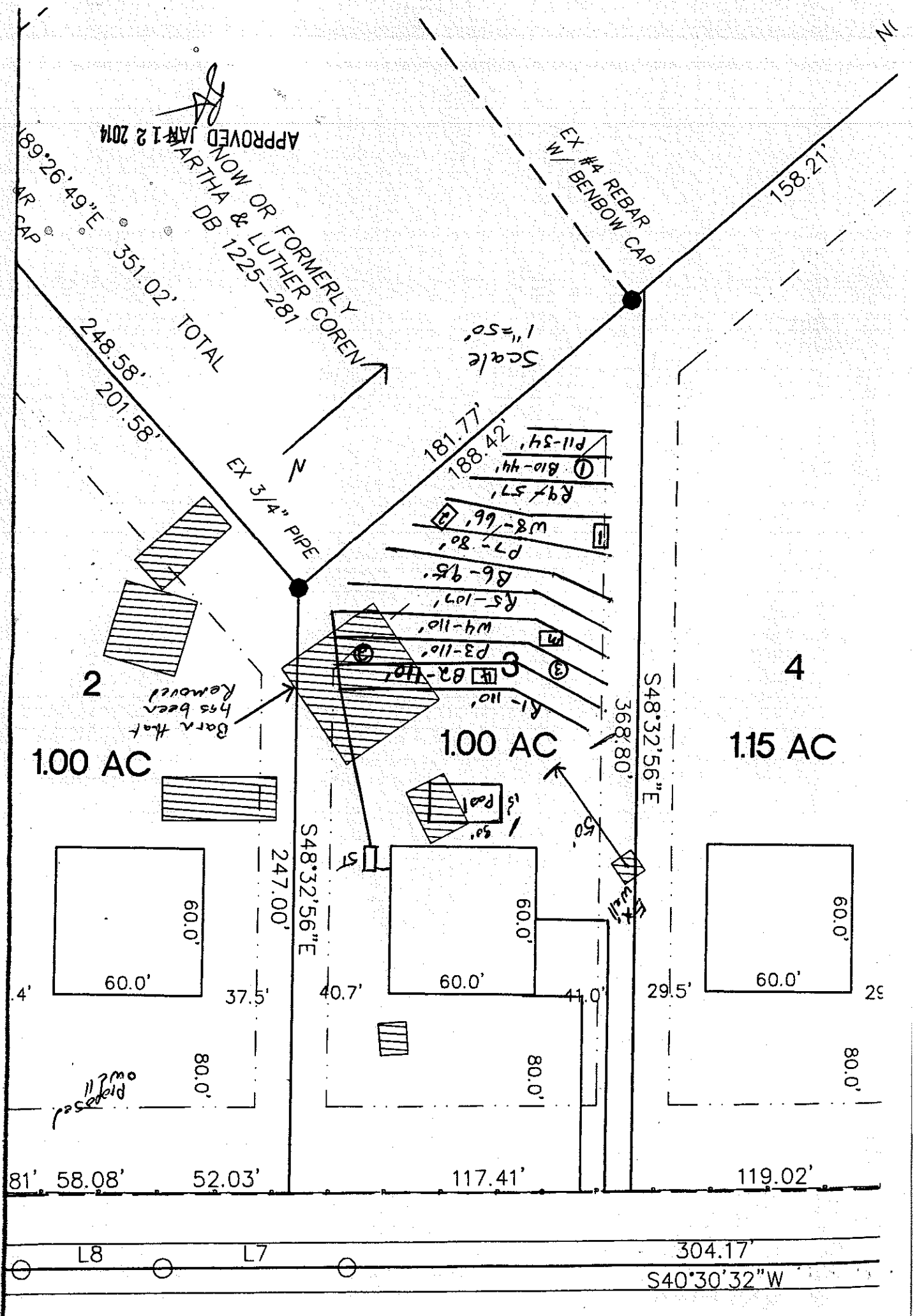
Reference: Data Sheet for Meadows Farm Lot 3
House Footprint: 60' x 60'
Building Setbacks: 35' front/rear, 15' side
Water Source: Private well
Number of Bedrooms: 4/480 GPD
Proposed LTAR: 0.275 GPD/FT2
Proposed System Type: 25% Reduction
Proposed Repair System Type: 25% Reduction
Distribution: Gravity-drop boxes/end cap
Septic Tank Size: 1000 gallons
Proposed Trench Bottom: 36"

Line	Design Length	Actual Length
Red 1	**110'**	**111'**
Blue 2	**110'**	**118'**
Pink 3	**110'**	**117'**
White 4	**110'**	**118'**
Red 5		107'
Blue 6		95'
Pink 7		80'
White 8		66'
Red 9		57'
Blue 10		44'
Pink 11		34'

Initial System: 440' **Repair System:** 483'

Comments:
This property has an existing well that is going to be used for the residence. The site plan shows a barn that has since been removed. Any changes by ICHD are welcome.

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N
EX #4 REBAR W/ BENBOW CAP
158.21'
NOW OR FORMERLY MARTHA & LUTHER COREN DB 1225-281
89°26'49"E 351.02' TOTAL
AR CAP
248.58'
201.58'
EX 3/4" PIPE
N
Scale 1"=50'
181.77'
188.42'
P11-34'
R9-57'
W8-66'
P7-80'
B6-95'
R5-107'
W4-110'
P3-110'
B2-110'
R1-110'
2
3
4
1.00 AC
1.00 AC
1.15 AC
Barn that has been Removed
Pool
S48°32'56"E
368.80'
S48°32'56"E
247.00'
50'
Existing
60.0'
60.0'
60.0'
60.0'
60.0'
60.0'
37.5'
40.7'
41.0'
29.5'
80.0'
80.0'
80.0'
Proposed
58.08'
52.03'
117.41'
119.02'
L8
L7
304.17'
S40°30'32"W

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #: 4678443579_
COUNTY: _Iredell_____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

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OWNER: _IQ Custom Const., Inc._____ APPLICATION DATE_____
ADDRESS: 840 Edminston Rd., Mt. Ulla, NC_____ DATE EVALUATED: _____
PROPOSED FACILITY: _4 bdrm_____ PROPOSED DESIGN FLOW (.1949): _480 GPD_____ PROPERTY SIZE: _1.0 AC_____
LOCATION OF SITE: Meadows Farm Lot 3_____ 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)		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	
PIT 1	LS 7%	0-6	Br SCL WSBK	FR SS SP	N/A	57"		N/A	PS 0.3
		6-21	R C SBK	FR SS SP					
		21-57	R CL WSBK	FR SS SP			F-C SAP		
PIT 2	LS 7%	0-10	Br SCL WSBK	FR SS SP	Few YB	59"		N/A	PS 0.275-0.3
		10-32	R C SBK	FR SS SP					
		32-59	R CL WSBK	FR SS SP	No YB		Few SAP		
PIT 3	LS 7%	0-6	Br SCL WSBK	FR SS SP	Few YB	60"	N/A	N/A	PS 0.275
		6-40	R C SBK	FR SS SP					
		40-60	R CL WSBK	FR SS SP	No YB				
PIT 4	LS 5%	0-10	FILL		N/A	60"	N/A	N/A	PS 0.3
		10-40	R C SBK	FR SS SP					
		40-60	R CL WSBK	FR SS SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1320 FT2	1485 FT2
System Type(s)	25% Reduction	25% Reduction
Site LTAR	0.275	0.275

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

COMMENTS:_____

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH
ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

APPROVED JAN 1 2 2014 RA

PROPERTY ID #: 4678443579
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
AB 1	LS 7%	0-18	R C SBK	FR SS SP	N/A	30"	PS	N/A	PS 0.3-0.4
		18-30	R CL WSBK	FR SS SP					
		30-48	SL/L SAP M	FR SS SP					
AB 2	LS 5%	0-8	FILL		N/A	48"	F-C SAP	N/A	PS 0.3
		8-22	R C SBK	FR SS SP					
		22-48	R CL WSBK	FR SS SP					
AB 3	LS 5%	0-12	Br SCL WSBK	FR SS SP	Few YB	50"	N/A	N/A	PS 0.275
		12-42	R C SBK	FR SS SP					
		42-50	R CL WSBK	FR SS SP	No YB				

COMMENTS: