

MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
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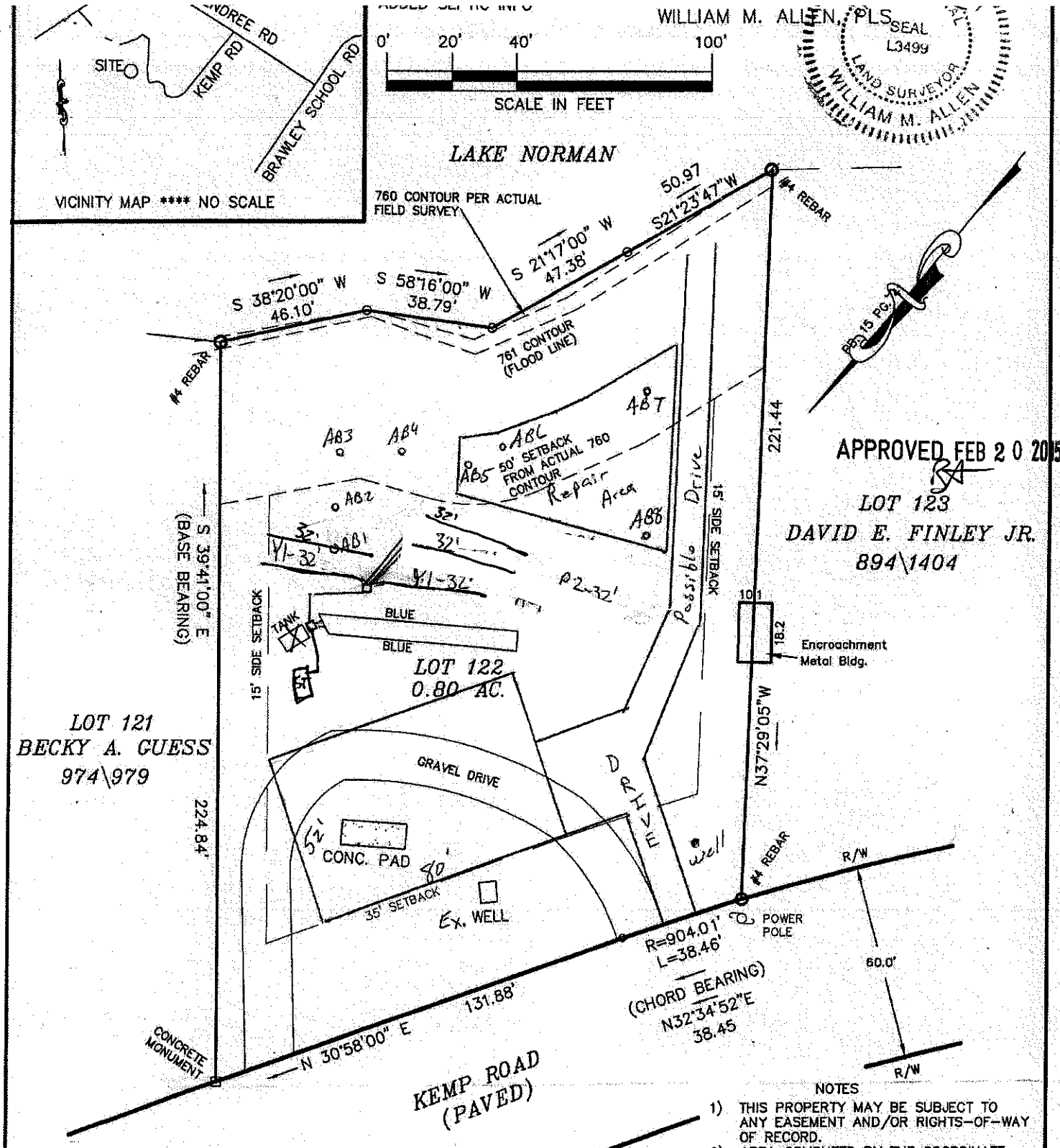
Reference: Data Sheet for 381 Kemp Rd., CL&T Sec. 8, Lot 122
House Footprint: 52' x 80'
Building Setbacks: 35' front, 15' side, 50' lake
Water Source: Private well
Number of Bedrooms: 480 GPD
Proposed LTAR: 0.25 GPD/FT2
Proposed System Type: Existing Bed+PPBPS
Proposed Repair System Type: Pretreatment Drip irrigation
Distribution: Gravity-Distribution Box
Septic Tank Size: 1000 gallons (existing)
Proposed Trench Bottom: 30"

APPROVED FEB 2 0 2015

Line	Design Length	Actual Length
Yellow 1	32'/32'	70'
Pink 2	32'/32'	70'
Orange 3	32'	36'

Initial System: 160' **Repair System:** 2400+ ft2

Comments:
Currently this property is permitted as a two bedroom residence. MA&A has located the existing bed system and DAS has located both the existing bed and the additional septic lines. We are proposing to add 2 bedrooms of PPBPS system on a distribution box for even distribution. We are proposing a TSI drip irrigation repair area that will encroach on the 50' lake setback. The panel lines are laid out on 8' centers. The existing well will be abandoned and a new well installed.



LEGEND

- P.P. = POWER POLE
- POWER TRANS.
- E.I.P. = EXISTING IRON FOUND
- I.P.S. = #4 REBAR SET
- R/W = RIGHT-OF-WAY
- CP = COMPUTED POINT

NOTES

1) THIS PROPERTY MAY BE SUBJECT TO ANY EASEMENT AND/OR RIGHTS-OF-WAY OF RECORD.
2) AREA COMPUTED BY THE COORDINATE METHOD.
3) EXISTING 760' & 761' CONTOUR ELEVATION BASED ON LAKE NORMAN LAKE LEVEL AT COWAN'S FORD DAM (READING ON 1\20\15) ELEVATION: 756.48
4) UNDERGROUND POWER
5) NO GRID MONUMENT FOUND WITHIN 2000 FEET.

BOUNDARY SURVEY

OF

381 KEMP RD.

LOT 122 CRESCENT LAND AND TIMBER CORP., SECT. 8

DAVIDSON TWSP., IREDELL CO., N.C.

SCALE 1" = 40'

ACQUIRED BY: KEVIN & DENISE OLIVER

FIELD BOOK: 500-D
FILE: CLT 122 S8
DC FILE:
TAX MAP NO: 4626269348

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

PROPERTY ID #: 4626269349
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

APPROVED FEB 2 0 2015 RA

OWNER: Donald Allen
APPLICATION DATE
ADDRESS: 620 Ridgewood Dr., FL
DATE EVALUATED:
PROPOSED FACILITY: 4 bdrm
PROPOSED DESIGN FLOW (.1949): 480 GPD
PROPERTY SIZE: 0.80 AC
LOCATION OF SITE: 381 Kemp Rd., CL&T Sec 8 Lot 122
PROPERTY RECORDED: 8/23/1977
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 7%	0-10	RBr C WSBK	FR SS SP	F-C YB	46"	N/A	N/A	PS 0.25
		10-46	R C SBK	FR SS SP					
		46	CHR 2						
2	LS 7%	0-8	Br CL WSBK	FR SS SP	Mn & YB @ 38" CHR 2 @ 44"	44"	N/A	N/A	PS 0.25
		8-44	R C SBK	FR SS SP					
3	LS 10%	0-8	R C SBK	FR SS SP	CHR 2 @ 8"	8"	N/A	N/A	US
4	LS 7%	0-9	R C SBK	FR SS SP	CHR 2 @ 9"	9"	N/A	N/A	US

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	320 FT2 add.	2400 FT2
System Type(s)	BED+PPBPS	DRIP
Site LTAR	0.25	0.1

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

APPROVED FEB 20 2015 BA

PROPERTY ID #: 4626269349
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	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
5	LS 7%	0-22	R C SBK	FR SS P	CHR 2 @ 22"	22"	N/A	N/A	DRIP 0.1
6	LS 7%	0-20	R C SBK	FR SS SP	Few YB	20"	N/A	N/A	DRIP 0.1
		20"	CHR 2						
7	LS 7%	0-23	R C SBK	FR SS SP	N/A	48"	Few SAP	N/A	PS 0.3
		23-48	R CL WSBK	FR SS SP					
8	LS 7%	0-48	R C SBK	FR SS SP	Few Mn	48"	N/A	N/A	PS 0.25
9	LS 7%	0-24	R Br C WSBK	FR SS SP	N/A	50"	N/A	N/A	PS 0.3
		24-41	R CL WSBK	FR SS SP					
		41-50	R SCL WSBK	FR SS SP					

COMMENTS: _____