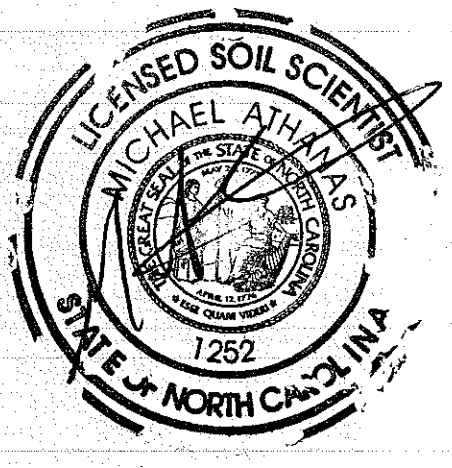




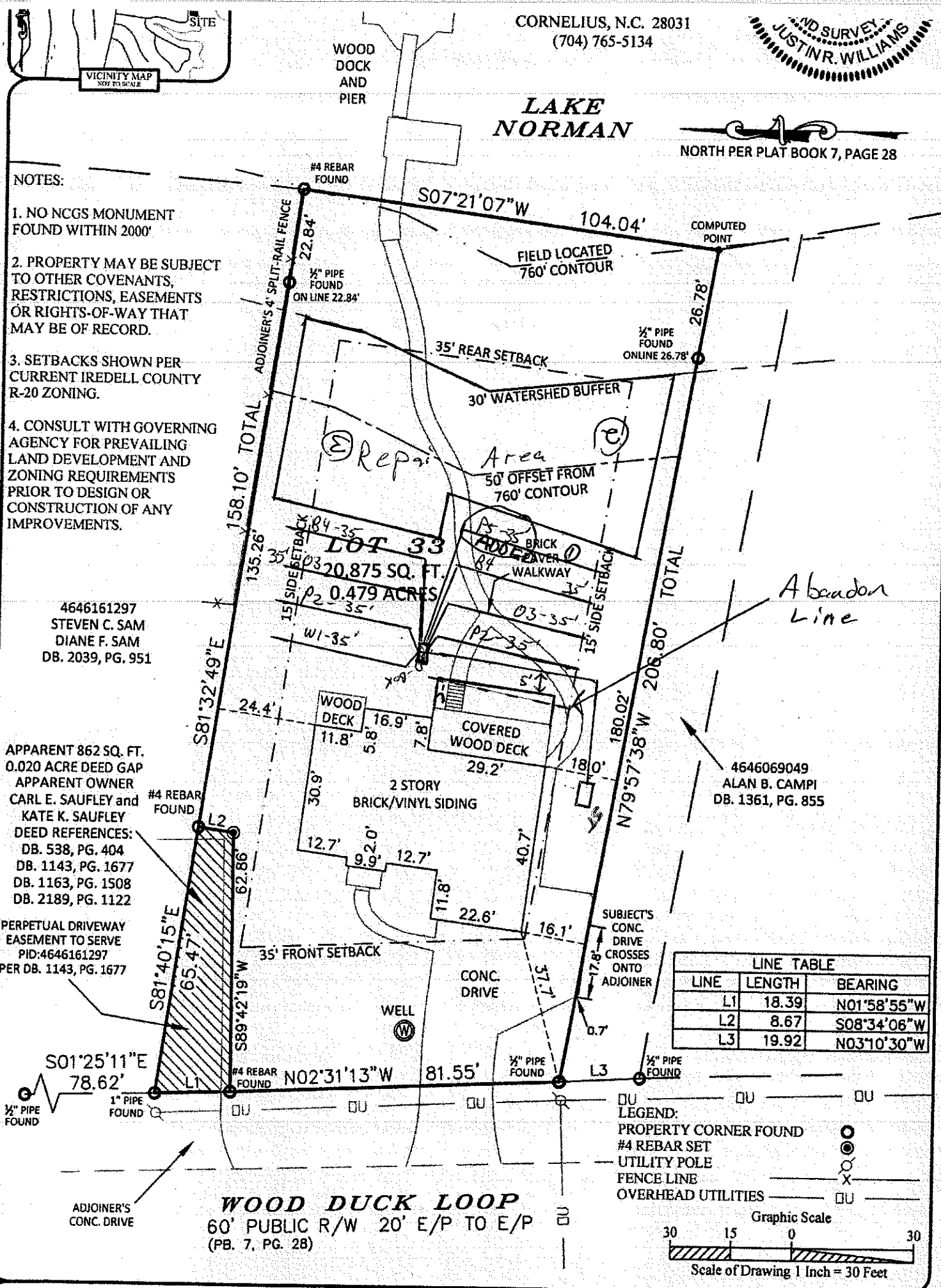
MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
561 Ennis Rd.
Weddington, NC 28173
(704) 576-3887

Reference: Data Sheet for 261 Wood Duck Lp., Lakeshore Est Lot 33
House Footprint: See attached plan
Building Setbacks: 35' front, 15' side, 50' lake
Water Source: Private well
Number of Bedrooms: 4/480 GPD
Proposed LTAR: 0.3 GPD/FT2 (initial-ICHD), 0.15 GPD/FT2 (repair)
Proposed System Type: PPBPS
Proposed Repair System Type: American Perc-Rite Drip
Distribution: Gravity-Distribution box
Septic Tank Size: 1000 gallons (existing)
Proposed Trench Bottom: 36"

Line	Design Length	Actual Length
White 1 (EX)	35'	35'
Pink 2 (EX)	35'/35'	35'/35'
Orange 3 (EX)	35'/35'	35'/35'
Blue 4 (EX)	35'/35'	35'/35'
Pink 5	35'	35'

Initial System: 270' **Repair System:** Approx 3600 FT2

Comments:
The purpose of this evaluation is to extend the existing deck. The lines W1-B4 are existing and are center fed from a distribution box. MA&A are proposing to abandon 35' of W1 and add back 35' below the existing system (P5). This will give a seven foot extension to the existing deck. The deck foundation must be five feet from any part of the septic system and it cannot have a foundation drain. A new distribution box may need to be set. This will need to be determined at the time of installation. The deck extension is marked in yellow flags. This lot was deeded in 1963. The repair area is proposed five feet from the property line.



Physical Survey of Lot 33 of Lakeshore Estates

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

Sheet _1_ *of* _1_
PROPERTY ID #: 4646162107_
COUNTY: _Iredell_

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

OWNER: Richard Schott_____ APPLICATION DATE_____
ADDRESS: 261 Wood Duck Lp, Mooresville, NC 28117_____ DATE EVALUATED: _____
PROPOSED FACILITY: _4 bdrm_____ PROPOSED DESIGN FLOW (.1949): _480 GPD____ PROPERTY SIZE: _____
LOCATION OF SITE: 261 Wood Duck Lp. Lakeshore Est. Lot 33_____ PROPERTY RECORDED: _1963_____
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 8%	0-6	Br SCL WSBK	FR SS SP SEXP	N/A	48"	N/A	N/A	PS 0.3
		6-34	R C SBK	FR SS SP SEXP					
		34-48	R CL WSBK	FR SS SP SEXP					
2	LS 8%	0-4	Br SCL WSBK	FR SS SP SEXP	N/A	48"	N/A	N/A	PS 0.3
		4-36	R C SBK	FR SS SP SEXP					
		36-48	R CL WSBK	FR SS SP SEXP					
3	LS 8%	0-4	Br SCL WSBK	FR SS SP SEXP	N/A	48"	N/A	N/A	PS 0.3
		4-34	R C SBK	FR SS SP SEXP					
		34-48	R CL WSBK	FR SS SP SEXP					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	ADD 70FT2	3200 + FT2
System Type(s)	PPBPS	Amer. Perc-Rite
Site LTAR	0.3	0.15

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____PS_____
EVALUATED BY: _____MA&A_____
OTHER(S) PRESENT: _____

COMMENTS: _____