

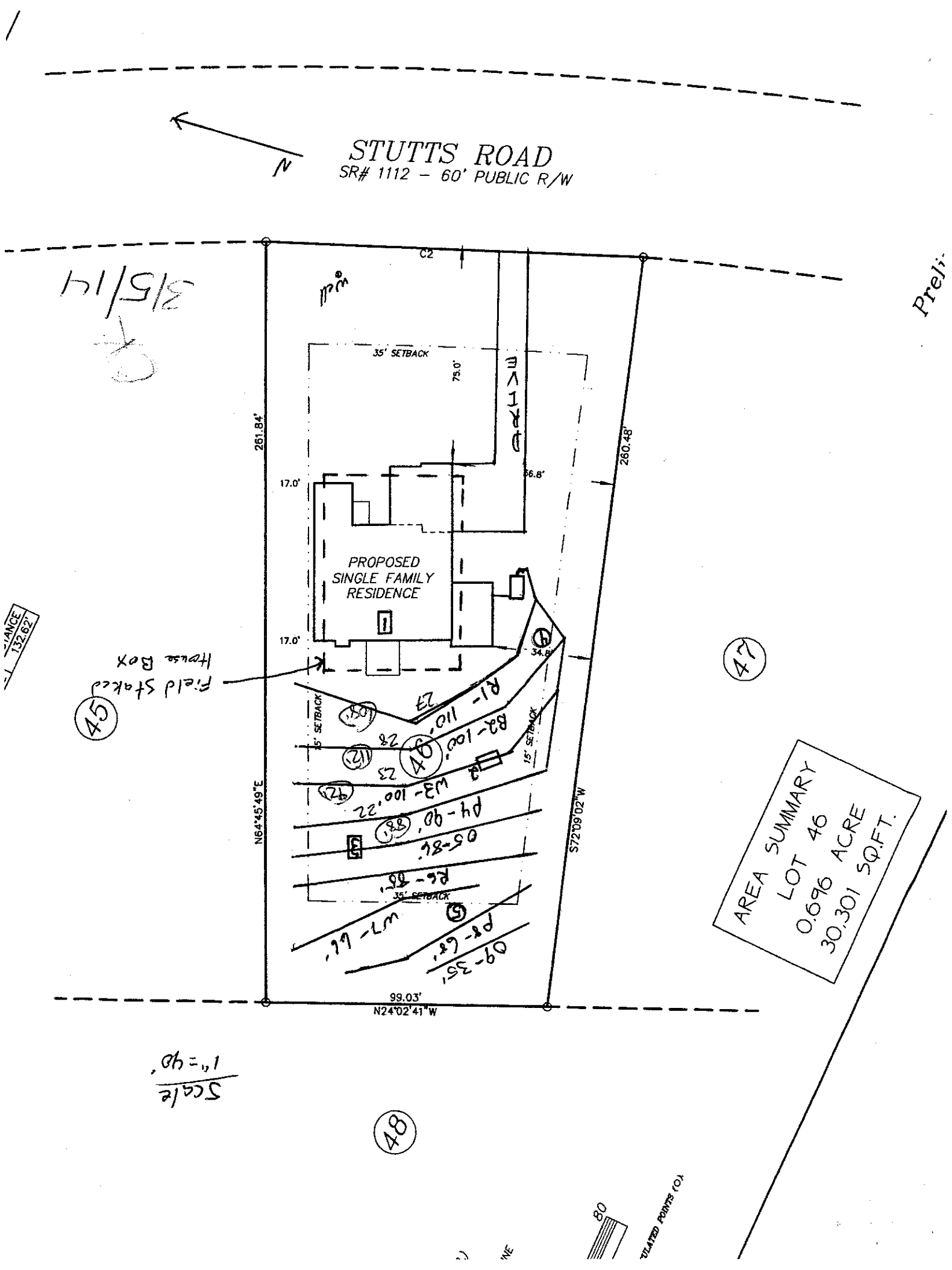
MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
1999 CANDLEWICK DRIVE
FORT MILL, S.C. 29715
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Reference: Data Sheet for Stutts Cove Subdivision, Lot 46
House Footprint: See attached plan
Building Setbacks: 35' front/rear, 15' side
Water Source: 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: Drop boxes/end cap
Septic Tank Size: 1000 gallons
Proposed Trench Bottom: 36"

Line	Design Length	Actual Length
Red 1	**110'**	**127'**
Blue 2	**100'**	**107'**
White 3	**100'**	**106'**
Pink 4	**90'**	**92'**
Orange 5		86'
Red 6		85'
White 7		66'
Pink 8		68'
Orange 9		35'

Initial System: 400' **Repair System:** 340'

Comments:


STUTTS ROAD
SR# 1112 – 60' PUBLIC R/W
N
C2
35' SETBACK
75.0'
17.0'
56.8'
PROPOSED
SINGLE FAMILY
RESIDENCE
17.0'
34.8'
261.84'
260.48'
15' SETBACK
15' SETBACK
35' SETBACK
N64°45'49"E
S72°09'02"W
99.03'
N24°02'41"W
AREA SUMMARY
LOT 46
0.696 ACRE
30,301 SQ.FT.
45
46
47
48
Field Stakes
House Box
Scale
1" = 40'

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

PROPERTY ID #: 4636534344
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Mike Fox APPLICATION DATE
ADDRESS: 156-B Raceway Dr., Mooresville, NC DATE EVALUATED:
PROPOSED FACILITY: 4 bedroom PROPOSED DESIGN FLOW (.1949): 480 GPD PROPERTY SIZE: 0.70 AC
LOCATION OF SITE: Stutts Cove Lot 46 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	
1	LS 5%	0-20	R C SBK	FR SS SP		33"	PS		PS 0.3-0.4
		20-33	R CL WSBK	FR SS SP					
		33-54	Ver SL SAP M	VFR SS SP					
2	LS 5%	0-29	R C SBK	FR SS SP		50"			PS 0.3
		29-50	R CL WSBK	FR SS SP					
3	LS 5%	0-7	Br SCL WSBK	FR SS SP		52"	F-C SAP		PS 0.3
		7-29	R C SBK	FR SS SP					
		29-60	R CL WSBK	FR SS SP					
AB 4	LS 5%	0-22	R C WSBK	FR SS SP		63"	F-C SAP		PS 0.3
		22-36	R CL WSBK	FR SS SP					
		36-63	Ver L SAP M	VFR SS SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1200 FT2	534 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:

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: 4636534344
DATE OF EVALUATION:
COUNTY: Iredell

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZ ON 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	
AB 5	LS 4%	0-6	R scl wsbk	Fr ss sp		48"	NA	NA	PS 0.3
		6-31	R c sbk	Fr ss sp					
		31-48	R cl wsbk	Fr ss sp	Few Litho				

COMMENTS: