

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

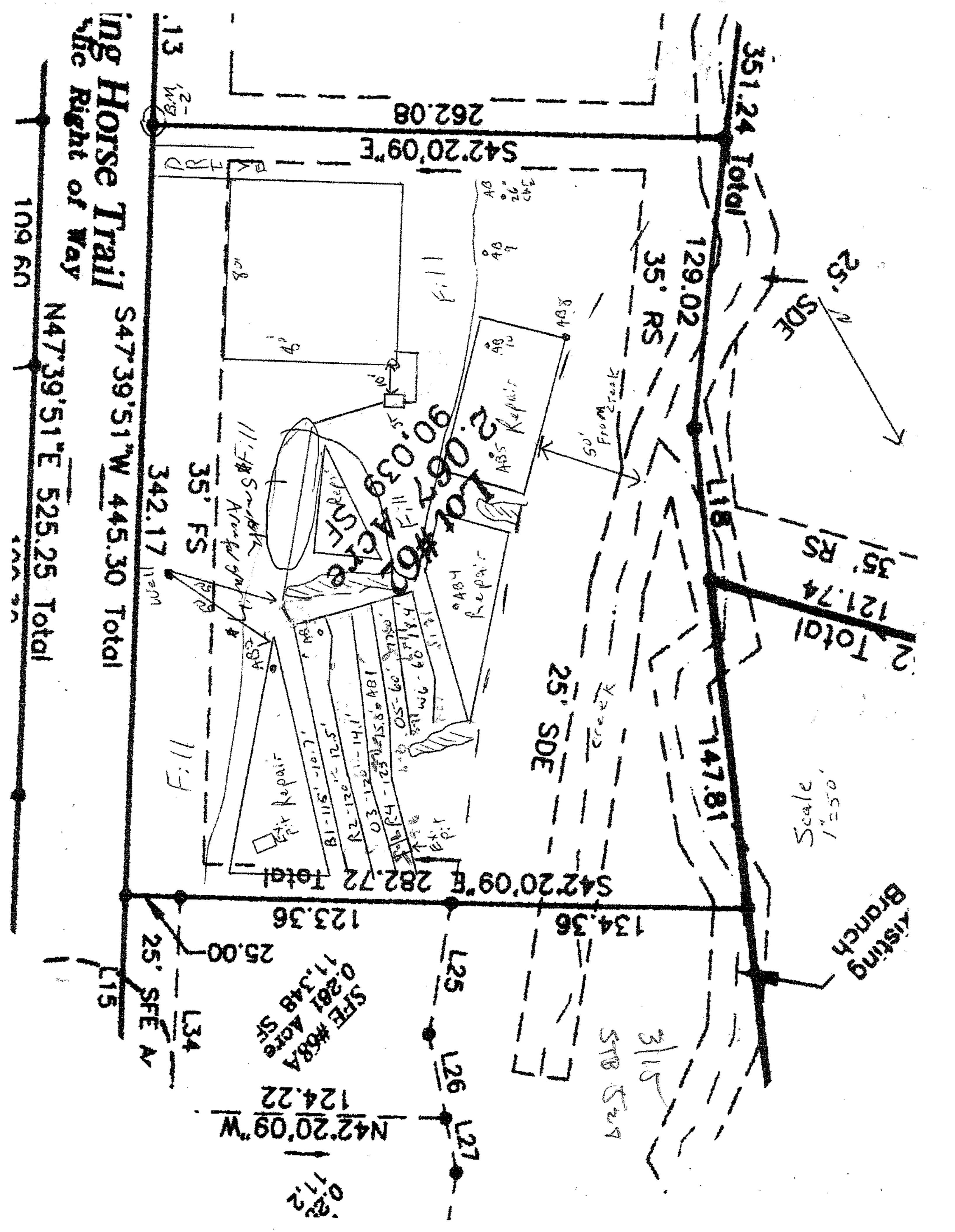
Reference: Data Sheet for Anniston Lot 62, 117 Walking Horse Tr.
House Footprint: 80' x 80'
Building Setbacks: 35' front/ rear, 15' side
Water Source: Private well
Number of Bedrooms: 5/600 GPD
Proposed LTAR: 0.25 GPD/FT2 (Initial-ICHD), 0.1 GPD/FT2 (repair)
Proposed System Type: 25% Reduction
Proposed Repair System Type: Pretreatment Drip
Distribution: Gravity-End cap/drop boxes
Septic Tank Size: 1500 gallons
Proposed Trench Bottom: 24" (initial)



Line	Design Length	Actual Length
Blue 1	115' 105	115'
Red 2	120' 107	120'
Orange 3	120' 156	122'
Red 4	125' 127	125'
Orange 5	60' 65	65'
White 6	60' 62	67'

Initial System: 600' **Repair System:** 6000+FT2

Comments:
The purpose of this evaluation is to change the pump system to a gravity fed system. MA&A have shot the elevations from the sewer pipe at the house to the upper line (B1) and there is approximately 2' of fall.



ing Horse Trail
blic Right of Way
S47°39'51"W 445.30 Total
N47°39'51"E 525.25 Total
109.60
.13
B.M. -2'
262.08
S42°20'09"E
351.24 Total
129.02
35' RS
25' SDE
L18
121.74 Total
147.81
Scale 1"=50'
Existing Branch
S42°20'09"E 282.72 Total
123.36
134.36
25.00
25' SFE
L15
L34
L25
L26
L27
SFE #68A
0.261 Acre
11,348 SF
N42°20'09"W
124.22
342.17
35' FS
Well
Fill
Lot #107
2.0307 Acre
90,063 SF
Repair
Ex. Pit Repair
B1-115'-10.7'
R2-120'-12.5'
O3-120'-14.1'
R4-123'-15.8'
ABS Repair
AB4 Repair
50' From creek
creek

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

PROPERTY ID #: Lot 62; Anniston
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Bluto Builders APPLICATION DATE
ADDRESS: 17005 Green Dolphin Lane Cornelius, NC 28031 DATE EVALUATED: 6/2015
PROPOSED FACILITY: 5-Bedroom Residence PROPOSED DESIGN FLOW (.1949): 600 GPD PROPERTY SIZE: 2.07 Acres
LOCATION OF SITE: Lot 62; Anniston; Walking Horse Trail PROPERTY RECORDED: 12/18/2014
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	
AB 1	L 10-12%	0"-15"	RBr CL WSBK	SS SP FR SEXP		48"		None	.3
		15"-20"	Br CL WSBK	SS SP FR SEXP					
		20"-48"	RBr C WSBK	SS SP FR SEXP					
AB 2	L 20-22%	0"-4"	RBr CL WSBK	SS SP FR SEXP		48"	Few to common saporlite inclusions 40"-48"	None	.3
		4"-21"	R C SBK	SS SP FR SEXP					
		21"-40"	R C WSBK	SS SP FR SEXP					
		40"-48"	R CL WSBK	SS SP FR SEXP					
AB 3	L 20-22%	0"-10"	RBr CL WSBK	SS SP FR SEXP		48"		None	.3
		10"-28"	R C SBK	SS SP FR SEXP					
		28"-48"	R C WSBK	SS SP FR SEXP					
AB 4	L 10-12%	0"-4"	R SCL WSBK	SS SP FR SEXP	Chr. 2 @ 40"	40"	Few to Common saporlite inclusions 30"-40"	None	.25
		4"-20"	Br CL WSBK	SS SP FR SEXP					
		20"-30"	R C WSBK	SS SP FR SEXP					
		30"-40"	R CL WSBK	SS SP FR SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1800 FT2	2181 FT2
System Type(s)	25% Reduction	25 % Reduction
Site LTAR	.25	.225

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):

EVALUATED BY: Michael Athanas and Associates
OTHER(S) PRESENT:

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

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AB 5	L 3-5%	0"-4"	R CL WSBK	SS SP FR SEXP	Chr.2 @ 36"	36"		None	.25
		4"-12"	Br CL WSBK	SS SP FR SEXP					
		12"-36"	R C WSBK	SS SP FR SEXP					
AB 6	L 3-5%	0"-8"	Fill		Mn @ 8"-22" YBrs @ 42" Chr. 2 @ 46"	46"		None	.225
		8"-22"	Br CL WSBK	SS SP FR SEXP					
		22"-46"	YBr C WSBK	SS SP FR SEXP					
AB 7	L 5-7%	0"-8"	Fill		Common Chr. 3&4	42"		None	.25
		8"-22"	Br CL WSBK	SS SP FR SEXP					
		22"-42"	RBr C WSBK	SS SP FR SEXP					
AB 8	L 5-7%	0"-3"	Br CL WSBK	SS SP FR SEXP	Chr. 2 @ 37"	37"		None	.225
		3"-30"	R SCL WSBK	SS SP FR SEXP					
		30"-37"	YBr C WSBK	SS SP FR SEXP					
AB 9	L 5-7%	0"-8"	Fill		Chr. 2 @ 25"	25"		None	Unsuitable
		8"-20"	Br SCL WSBK	SS SP FR SEXP					
		20"-25"	YBr C WSBK	SS SP FR SEXP					

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

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10									

COMMENTS: