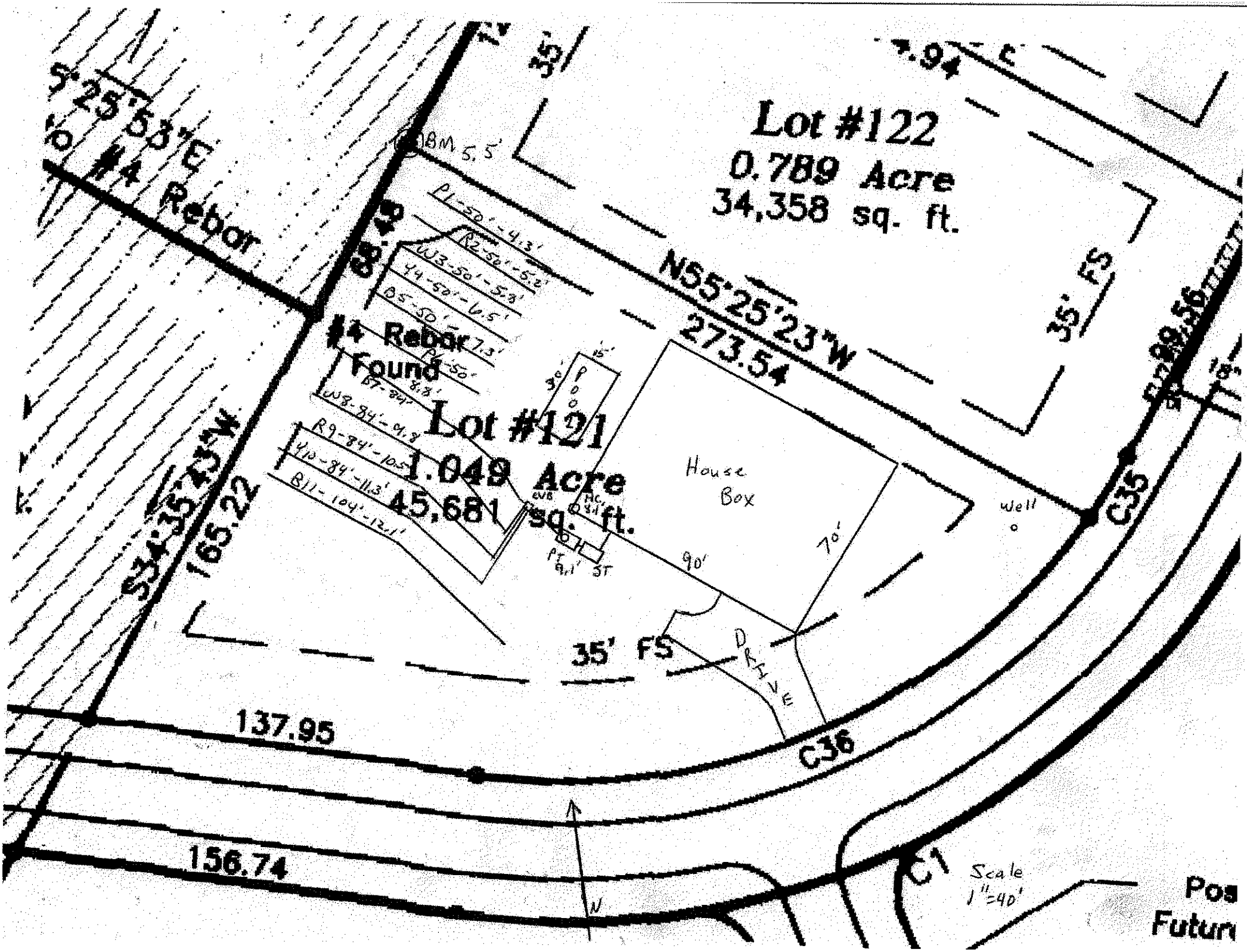

Lot #122
0.789 Acre
34,358 sq. ft.
Lot #121
1.049 Acre
45,681 sq. ft.
#4 Rebar Found
#4 Rebar
S 25° 53' E
N55°25'23"W
273.54
S34°35'43"W
165.22
137.95
156.74
35' FS
DRIVE
House Box
Well
Pool
C35
C36
C1
BM 5.5'
Scale 1"=40'
N



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

Reference: Data Sheet for Anniston 121, 177 Walking Horse Trail
House Footprint: See attached
Building Setbacks: 35' front/rear, 15' side
Water Source: Private well
Number of Bedrooms: 5/600 GPD
Predetermined LTAR: 0.3 GPD/FT2 (ICHD)
Proposed System Type: PPBPS
Proposed Repair System Type: PPBPS
Distribution: Low pressure-CVB
Flow per Orifice: 0.59 GPM
Orifice Size: 3/16"
System Flow: 44.8 GPM
Dosing Volume: 273.6 gallons
Pump Run Time: 6.1 minutes
Elevation Head: 5.3'
Friction Head: 0.6'
Pressure Head: 2'
Total Dynamic Head: 7.9'
Supply Line Length: 15'
Septic/Pump Tank Size: 1500/1500 gallons
Proposed Trench Bottom: 36"

Line	Design Length	Actual Length	Elevation
Pink 1		50'	4.3'
Red 2		50'	5.2'
White 3		50'	5.8'
Yellow 4		50'	6.5'
Blue 5		50'	7.3'
Pink 6		50'	8.2'
Blue 7	**84' (19 panels)**	**105'**	**8.8'**
White 8	**84' (19 panels)**	**102'**	**9.8'**
Red 9	**84' (19 panels)**	**102'**	**10.5'**
Yellow 10	**84' (19 panels)**	**104'**	**11.3'**
Blue 11		104'	12.1'

Initial System: 336' **Repair System:** 404'
Pump Tank: 9.1' **House Corner:** 8.1' **Benchmark:** 5.5'

Comments:
The purpose of this evaluation is to increase the house size and add a pool location. The LTAR was previously determined by ICHD.

SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet ____ of ____

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

Anniston Ph IV

PROPERTY ID #: _____
DATE OF EVALUATION: _____
COUNTY: _____

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
P121A	L/6-10%	0-22	RSL wfsbk/Absk	FrSSSPSSExP	-fsap	39	PS	-	PS 0.35
		22-39	RYscl wfsbk	" " " "	-CsmSap				
		39-80	vary sl mass	" " " "					
P121B	L/6-10%	0-34	RC wmsbk	FrSSSPSExP	-CSap	64	-	-	PS 0.3
		34-64	RYcl-scl wsbk	" " " "					
P121C	L/6-10%	0-33	RC mfsbk/Absk	FrSSPSExP	-CSap	64	PS	-	PS 0.3
		33-64	RYcl wfsbk	" " " "					
		64-75	vary sl mass	" " " "					
P121D	L/6-10%	0-30	RC wmsbk	FrSSSPSExP	-CSap	62	PS	-	PS 0.3
		30-62	RYcl wfsbk	" " " "					
		62-75	vary l mass	" " " "					

COMMENTS: _____