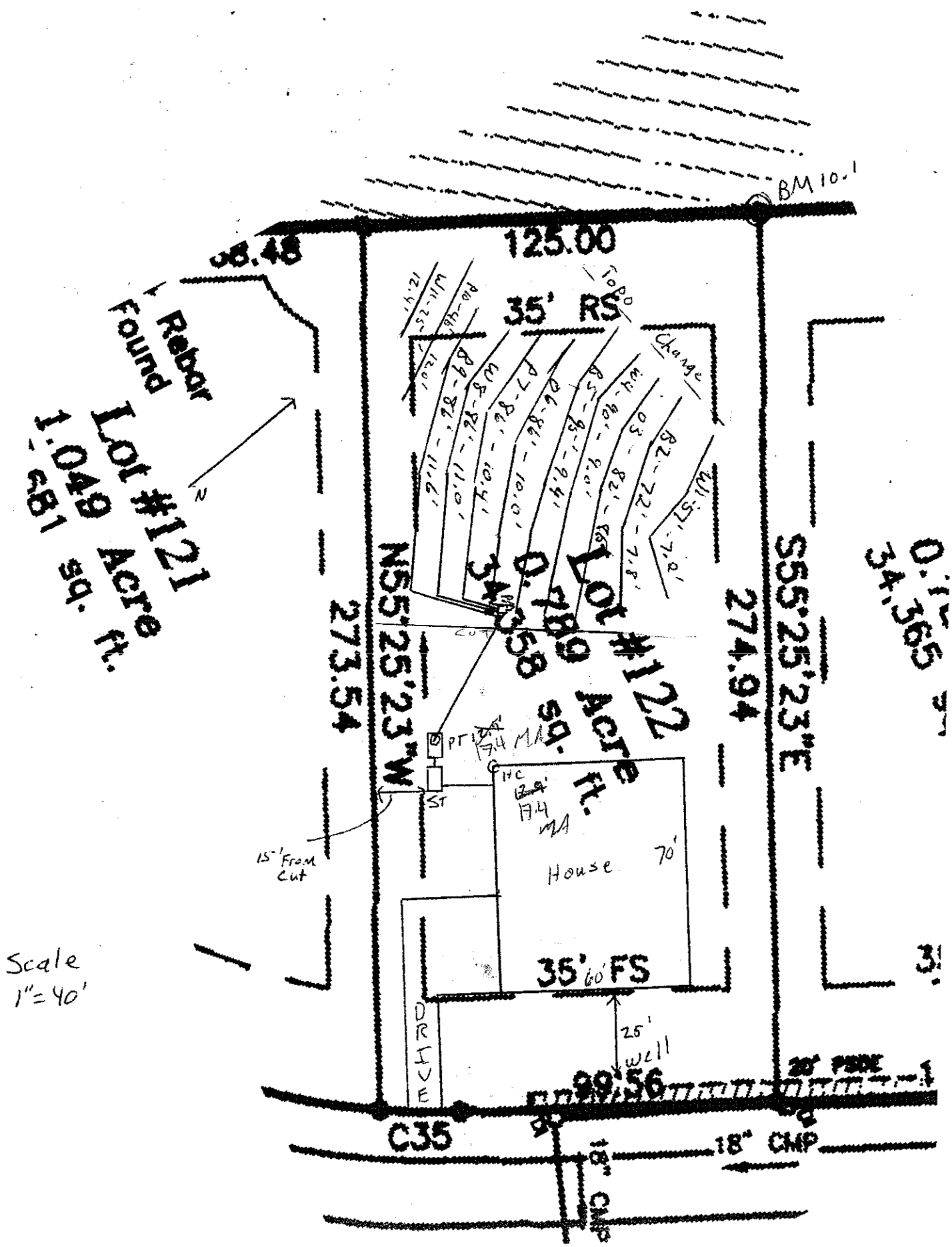
APPROVED DEC 2 8 2015



APPROVED DEC 2 8 2015



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

Reference: Data Sheet for 187 Walking Horse Tr, Anniston Lot 122
House Footprint: See attached plan
Building Setbacks: 35' front/rear, 15' side
Water Source: Private well
Number of Bedrooms: 4/480 GPD
Predetermined LTAR: 0.35 GPD/FT2 (ICHD)
Proposed System Type: 25% Reduction
Proposed Repair System Type: 25% Reduction
Distribution: Pressure manifold
Flow per Tap: 7.11 GPM
Tap Size and Material: ½" SCH 40
System Flow: 28.44 GPM
Dosing Volume: 150.5 gallons
Pump Run Time: 5.3 minutes
Elevation Head: 7.9'
Friction Head: 0.8'
Pressure Head: 2'
Total Dynamic Head: 10.7'
Supply Line Length: 45'
Septic/Pump Tank Size: 1000/1000 gallons
Proposed Trench Bottom: 36"

Line	Design Length	Actual Length	Elevation
White 1		57'	7.2'
Blue 2		72'	7.8'
Orange 3		82'	8.5'
White 4		90'	9.0'
Blue 5		95'	9.4'
Orange 6	**86'**	**100'**	**10.0'**
Pink 7	**86'**	**105'**	**10.4'**
White 8	**86'**	**112'**	**11.0'**
Blue 9	**86'**	**103'**	**11.6'**
Pink 10		46'	12.0'
White 11		25'	12.4'

APPROVED DEC 2 8 2015

Initial System: 344' **Repair System:** 467'
Pump Tank: 12.9' **House Corner:** 12.9' **Benchmark:** 10.1'

Comments:
The purpose of this evaluation is to change from a 5 bedroom system to a 4 bedroom system. The system is laid out in the previously approved soil area. The stakes marking the house box are 5' offset from the corners of the house pad. At the time of this evaluation, the house pad is being graded. The elevations shown for the house corner and pump tank were shot prior to grading the final elevation will need to be shot at the time of installation.

SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet ___ of ___

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

Anniston PhIV

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	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
P122A	L/5-10%	0-25	Rc mmsbk/A6k	FrSSSPSEXP	-fsap	63	PS	-	PS
		25-63	RYcl wmsbk	" " " "	-Csap				0.3-.35
		63-75	varig l mass	" " " "					
P122B	L/5-10%	0-23	Rc mfsbk/A6k	FrSSSPSEXP	-Csap	52	PS	-	PS
		23-52	RYcl wfsbk	" " " "					0.3-.35
		52-70	varig fsl mass	" " " "					
P122C	L/5-10%	0-24	Rsc wfsbk	FrSSSPSEXP	-fsap -csap -f. WR	51	PS	-	PS 0.3
		24-51	RYscl wmsbk	" " " "					
		51-80	varig sl-ls mass	" " " "					
P122D	L/5-10%	0-24	Rc mmsbk	FrSSSPSEXP	-fsap -C-msap	64	-	-	PS 0.3-0.35
		24-64	RYcl wfsbk	" " " "					

COMMENTS: _____