

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

Reference: Data Sheet for Anniston Lot 137, 277 Walking Horse Tr.
House Footprint: 70' x 90'
Building Setbacks: 35' front/rear, 15' side
Water Source: Private Well
Number of Bedrooms: 5/600 GPD
Predetermined LTAR: 0.275 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: 47.8 GPM
Dosing Volume: 291.6 gallons
Pump Run Time: 6.1 minutes
Elevation Head: 2.1'
Friction Head: 0.7'
Pressure Head: 2'
Total Dynamic Head: 4.8'
Supply Line Length: 15'
Septic/Pump Tank Size: 1500/1500 gallons
Proposed Trench Bottom: 36"

APPROVED OCT 29 2014
Richard Farris
APPROVED OCT 29 2014

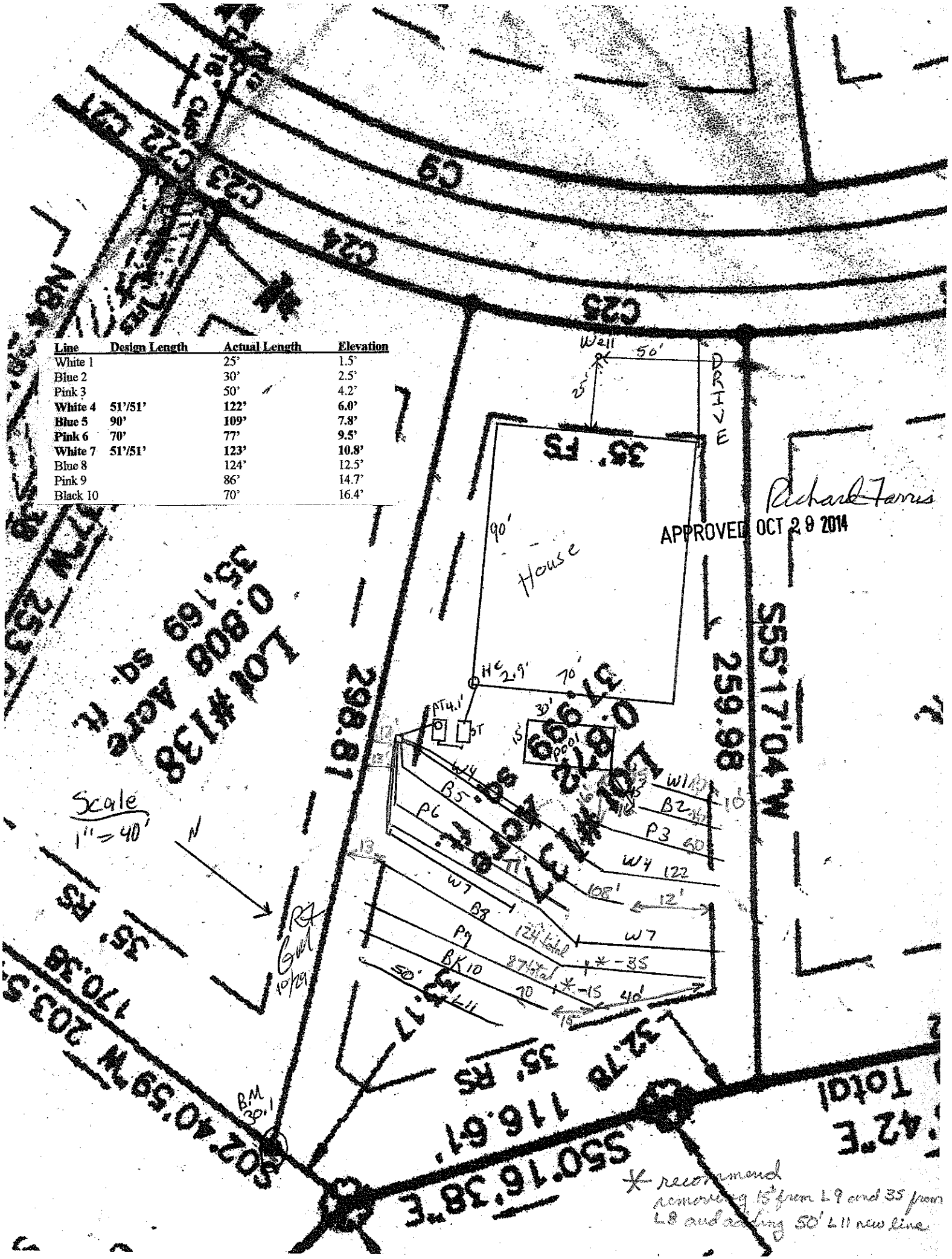
Line	Design Length	# of Panels	Actual Length	Elevation
White 1			25' 33'	1.5'
Blue 2			30' 35'	2.5'
Pink 3			50' 50'	4.2'
White 4	**51'/51'**	**11/11**	**122'** 119'→122'	**6.0'**
Blue 5	**90'**	**21**	**109'** 108	**7.8'**
Pink 6	**70'**	**16**	**77'** 77'	**9.5'**
White 7	**51'/51'**	**11/11**	**123'** 123'	**10.8'**
Blue 8			124' 124'	12.5'
Pink 9	removed 35' from L9		~~86'~~ 51'	14.7'
Black 10	removed 15' from L10		~~70'~~ 55'	16.4'
line 11	modified plan w/ approval of Gary McKeeley w/ Athanas Assoc. to stay away from drop off bank		50'	

R Farris 10/29/14 and added line 11 (50') on right side of lot where previous lines 13 and 14 were from previous layout approved 8/13/14

Initial System: 364' **Repair System:** 385'
Pump Tank: 4.1' **House Corner:** 2.9' **Benchmark:** 30.1'

Comments:
The septic is on 8' centers. Any changes requested by ICHD are welcome.

Richard Farris
APPROVED OCT 29 2014


Line Design Length Actual Length Elevation
White 1 25' 1.5'
Blue 2 30' 2.5'
Pink 3 50' 4.2'
White 4 51'/51' 122' 6.0'
Blue 5 90' 109' 7.8'
Pink 6 70' 77' 9.5'
White 7 51'/51' 123' 10.8'
Blue 8 124' 12.5'
Pink 9 86' 14.7'
Black 10 70' 16.4'
APPROVED OCT 29 2014
Richard Farris
House
DRIVE
Pool
Scale 1"=40'
N
Court
10/29
Lot #138
0.808 Acre
35,169 sq. ft.
298.81'
259.98'
S55°17'04"W
S50°16'38"E
116.67'
S02°40'59"W 203.5'
170.38'
35' RS
B.M.
* recommend removing 15' from L9 and 35 from L8 and adding 50' L11 new line