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LICENSED SOIL SCIENTIST
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Reference: Data Sheet for Lot 133 Walking Horse Trail; Anniston, Iredell County NC
House Footprint: 90'x70'
Building Setback: 35' Front/Rear, 15' Side,
Water Source: Private Well
Number of Bedrooms: 4/480 gpd
Pre-determined LTAR: 0.275 gpd/ft2 (ICHD)
Suggested System Type: PPBPS/ 9' center
Distribution: LP-CVB
Flow per Orifice: .41
Hole Size & Material: 5/32"
Number of Panels: 67
System Flow: 27.47 gal/min
Dosing Volume: 161.6 gal/dose
Pump Run Time: 5.88 min
Total Linear Footage: 291'
Trench Bottom Square Footage: 873 sq.ft
Elevation Head: 6'
Friction Head: 1.41'
Pressure Head: 2'
Total Dynamic Head: 9.41'
Supply Line Length: 45'
Proposed Trench Bottom Depth: 36"
Septic/ Pump tank size: 1000 ST, 1000 PT

ICHD
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Line	Actual Length	Design Length	# of Panels	Elevation
Orange 1	45'			
Pink 2	58'			
Blue 3	83'			14.3'
Orange 4	110'			12.0'
Red 5	**120'**	**100'**	**23**	**9.5'**
Pink 6	**112'**	**100'**	**23**	**8.3'**
Blue 7	**91'**	**91'**	**21**	**6.1'**

Septic/Pump Tanks: 7' **CVB:** 6.0' **House Corner:** 6.8'
Initial System: 291' of PPBPS **Repair System:** 306' of PPBPS
Septic Tank/Pump tank: 1000gal/1000gal **Benchmark:** 16.2' back left corner iron of lot.

Comments: The purpose of this evaluation is to increase the house size to 70'x90', reduce the septic system to a 4-bedroom, add a pool, and allow some additional grading to the site. The site plan submitted by Rollans Soil & Environmental Services and approved by the Iredell County Health Department has been adjusted to show the proposed changes. The proposed septic area does not expand beyond the previously permitted area. Due to the proposed line lengths, 1 1/2 inch pipe will be required to feed the panels. The house site has been marked using white pin flags. A proposed swimming pool has been marked using black pin flags. All cuts within 15 feet of the septic area must be < 2 feet.

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