

MICHAEL ATHANAS & ASSOCIATES, INC.
LICENSED SOIL SCIENTIST
1999 CANDLEWICK DRIVE
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Reference: Data Sheet for 595 Big Indian Lp (CL&T sec.12, lot 58)

House Footprint: see site plan
Building Setback: 35' front, 25' side, 50' lake
Water Source: Well
Number of Bedrooms: 3/360gpd
Proposed LTAR: 0.3 gpd/ft2
Suggested system type: PPBPS
Distribution: low pressure-central valve box
Pressure Head: 2'
Flow per tap: 0.59 gpm
Hole size & Material: 3/16"
System Flow: 27.14 gpm
Dosing volume: 165.6 gallons
Pump Run Time: 6.1 min.
Elevation Head: 16.5'
Friction Head: 1.78'
TDH: 24.34'
Septic/ Pump tank size: 1000 gallons
Total Linear footage: 200' (46 panels)
Proposed Trench Bottom: 36"

Line	Length	Elevation
White 1	100' *(15' Rep)*	8.5'
Blue 2	100' *(15' Rep)*	7.2'
Pink 3	*120'*	*5.3'*
White 4	*70'*	*4.1'*

Benchmark: 4.5` (Front left property corner)

Comments: The setback to the property lines from the system is 5' because the lot was deeded prior to July 1, 1977 (.1951 (a)1). The site LTAR was determined by Iredell County HD on an existing permit (attached). Trenches should be installed 24" wide on 8" centers. The existing well must be properly abandoned.