DESIGN SPECIFICATIONS - T & J PANEL SYSTEM
Lot 21 Harbor Watch
Fallstown Township
Iredell Co, NC

Daily design waste flow:	600 gpd
Septic tank size:	1,500 gal. (2 compartment)
Septic tank filter:	Zabel A300 filter
Pumping tank size:	1,500 gal.
Effluent loading rate:	0.3 gpd/sf (50% decrease with PPBPS)
Total linear feet and diameter:	348 ft. of 1-¼" dia. PVC of laterals and T & J 16" high panels (allow 4.5 ft per panel)
Total length and diameter of supply manifold:	50 LF – 2" dia. Schedule
Number and length of laterals:	6 – with 13 panels = 78
	Total Panels = 78
Number of panels:	78
Hole size:	5/32"
Hole spacing:	1 hole per panel
Total number of holes:	78
Flow per hole at 3' head	0.50 gpm
Flow rate through the system:	39 gpm
Elevation head:	8.0
Pressure head:	3'
Friction head:	1.86
Total head:	12.86
Pump requirements:	39 gpm at 12.86' use Myers ⅓ hp ME30 pump
Force main filter:	GAG Sim/Tech Filter w/Sock and Pressure Alarm
Dosing volume:	280 gal.
Depth of water pumped per dose:	8.9"
Pump run per dose:	7.2 min.
Check valve:	yes
Siphon break hole:	yes