LOT 182 COWANS FORD
APPLICANT AND DESIGN SPECIFICATIONS

Applicant:	Bruce and Jane Rogers
Phone:	704-202-1266
Address:	7008 May Lake Rd. Clemmens, NC 27012
County:	Iredell
Location:	Lot 182 Cowans Ford
Application for:	3 Bedroom Single Family Residence
Gallons per day:	360
Linear feet:	185
Loading Rate (gpd/ft2):	0.35
Trench Depth:	36"
Trench Width:	24"
Septic Tank Size:	1000
Pump Tank Size:	1000
Estimated Supply line Length/ft:	65
Supply Line Diameter:	2"
Dosing volume:	103.716
Lateral line volume:	154.80
Supply Manifold:	2"
Manifold Length:	N/A
Manifold Volume:	N/A
Pressure Head:	2
Friction Head:	0.75
Elevation Head:	13.00
TDH:	18.11
Pump Run:	5.93
Threaded Union:	IN TANK
Gate Valves:	IN TANK
Check Valves:	IN TANK
Anti-Siphon Hole:	IN TANK
Design flow:	360
Trench Bottom FT/SQ:	370
Number of fields	1
Supply line length	65
Draw down:	4.9
Comments:	Soil suitability was performed by Michael Athanas & Associates.

*Pump tank draw down based on 21 gallons per inch. Draw down may vary depending on tank manufacturers.

*Dosing volume base on 67% of lateral line volume.