LOT 2 SHADY GROVE
APPLICANT AND DESIGN SPECIFICATIONS

Applicant:	Ekberg Investment Group
Phone:	704-363-9913
Address:	135 Sundown Rd. Mooresville, NC 28117
County:	Iredell
Location:	Lot 2 Shady Grove
Application for:	3 Bedroom Single Family Residence
Gallons per day:	360
Linear feet:	210
Loading Rate (gpd/ft2):	0.3
Trench Depth:	EXISTING
Trench Width:	24"
Septic Tank Size:	1000
Pump Tank Size:	1000
Estimated Supply line Length/ft:	100
Supply Line Diameter:	2"
Dosing volume:	EXISTING
Lateral line volume:	172.80
Supply Manifold:	2"
Manifold Length:	N/A
Manifold Volume:	N/A
Pressure Head:	2
Friction Head:	0.75
Elevation Head:	17.30
TDH:	23.06
Pump Run:	EXISTING
Threaded Union:	IN TANK
Gate Valves:	IN TANK
Check Valves:	IN TANK
Anti-Siphon Hole:	IN TANK
Design flow:	360
Trench Bottom FT/SQ:	420
Number of fields	1
Supply line length	100
Draw down:	5.5"
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.

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SYSTEM TYPE	**LP PPBPS**
SYSTEM LTAR	**EXISTING**
SYSTEM LINE LENGTH	**210**
REPAIR TYPE	*LP PPBPS*
REPAIR LTAR	0.3 GPD/FTSQ
REPAIR LINE LENGTH	**220**

LINE #	FLAG COLOR	SHOT ELEVATION		LINE LENGTH
1	PINK	3.50		22
2	ORANGE	4.80		41
3	RED	5.80		57
EXISTING 4	***PINK***	***6.70***		***70***
EXISTING 5	***ORANGE***	***7.50***		***70***
EXISTING 6	***PINK***	***7.90***		***70***
7	RED	14.60		45
8	ORANGE	15.70		55
			Total	**430**
TBM		***1.00***		
HOUSE CORNER		***10.50***		
TANK		***15.80***		

LINE#	COLOR	LENGTH	# OF PANELS
EXISTING 4	***PINK***	***70***	**16**
EXISTING 5	***ORANGE***	***70***	**16**
EXISTING 6	***PINK***	***70***	**16**
	TOTAL	**210**	**48**
HOLE SIZE	**EXISTING**		
GALLONS PER MINUTE	**EXISTING**		