The Point lot 623
APPLICANT AND DESIGN SPECIFICATIONS

Applicant:	George and Wendy Shuping
Phone:	704-746-6497
Address:	111 Harbor Shore Ct. Mooresville, NC 28117
County:	Iredell
Location:	Point lot 623
Application for:	4 Bedroom Single Family Residence
Gallons per day:	480
Linear feet:	320
Loading Rate (gpd/ft.2):	0.25
Trench Depth:	36"
Trench Width:	36"
Septic Tank Size:	1000
Pump Tank Size:	1000
Estimated Supply line Length/ft:	282
Supply Line Diameter:	2"
Dosing volume:	178.49
Lateral line volume:	266.40
Supply Manifold:	2"
Manifold Length:	N/A
Manifold Volume:	N/A
Pressure Head:	2
Friction Head:	2.00
Elevation Head:	12.80
Friction factor:	2.05
TDH:	19.32
Pump Run:	5.90
Threaded Union:	IN TANK
Gate Valves:	IN TANK
Check Valves:	IN TANK
Anti-Siphon Hole:	IN TANK
Design flow:	480
Trench Bottom FT/SQ:	960
Number of fields	1
Supply line length	282
Draw down:	8.5
Comments:	Soil suitability was performed by Michael Athanas & Associates and Iredell County.

*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	**PPBPS**
SYSTEM LTAR	**0.25 GPD/FTSQ**
SYSTEM LINE LENGTH	**320**
REPAIR TYPE	*PPBPS/ TSII PRE-TREATMENT*
REPAIR LTAR	*0.25 GPD/FTSQ*
REPAIR LINE LENGTH	*375*

LINE #	FLAG COLOR	SHOT ELEVATION		LINE LENGTH
1	*WHITE*	*5.90*		*50*
2	*BLUE*	*7.00*		*60*
3	*YELLOW*	*8.10*		*70*
4	*RED*	*9.00*		*100*
5	*ORANGE*	*10.70*		*40*
6	ORANGE	10.70		95
7	WHITE	11.60		55
8	WHITE	11.60		40 Omit
9	BLUE	12.70		30
10	WHITE	20.10		155
			Total	**695**
TBM		*2.50*		
HOUSE CORNER		*14.10*		
TANK		*18.70*		

Now 375 Repair

LINE#	COLOR	LENGTH	# OF PANELS
1	*WHITE*	*50*	12
2	*BLUE*	*60*	14
3	*YELLOW*	*70*	16
4	*RED*	*100*	23
5	*ORANGE*	*40*	9
	TOTAL	320	74

HOLE SIZE	**5/32"**
GALLONS PER MINUTE	**30.28**