The Point lot 1330
APPLICANT AND DESIGN SPECIFICATIONS

Applicant:	DAVE DILLEN
Phone:	704-746-6497
Address:	209 MILFORD CIRCLE Mooresville, NC 28117
County:	Iredell
Location:	Point lot 1330
Application for:	4 Bedroom Single Family Residence
Gallons per day:	480
Linear feet:	269
Loading Rate (gpd/ft.2):	0.3
Trench Depth:	36"
Trench Width:	24"
Septic Tank Size:	1500
Pump Tank Size:	1500
Estimated Supply line Length/ft:	185
Supply Line Diameter:	2"
Dosing volume:	149.5
Lateral line volume:	223.20
Supply Manifold:	2"
Manifold Length:	N/A
Manifold Volume:	N/A
Pressure Head:	2
Friction Head:	2.00
Elevation Head:	14.40
Friction factor:	2.05
TDH:	21.16
Pump Run:	5.88
Threaded Union:	IN TANK
Gate Valves:	IN TANK
Check Valves:	IN TANK
Anti-Siphon Hole:	IN TANK
Design flow:	480
Trench Bottom FT/SQ:	807
Number of fields	1
Supply line length	185
Draw down:	4.8"
Comments:	Soil suitability was performed by Iredell County.

*Pump tank draw down based on 31 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	**0.3 GPD/FTSQ**
SYSTEM LINE LENGTH	**268**
REPAIR TYPE	*LP PPBPS*
REPAIR LTAR	*0.3 GPD/FTSQ*
REPAIR LINE LENGTH	*280*

LINE #	FLAG COLOR	SHOT ELEVATION	LINE LENGTH
1	*ORANGE*	*3.50*	*25*
2	*BLUE*	*4.10*	*38*
3	*PINK*	*4.50*	*55*
4	*ORANGE*	*5.00*	*75*
5	*BLUE*	*5.70*	*75*
6	BLUE	5.70	20
7	PINK	6.40	65
8	ORANGE	7.00	70
9	BLUE	7.90	55
10	PINK	8.80	40
11	ORANGE	9.80	30
		Total	**548**
TBM		*2.60*	
HOUSE CORNER		*9.70*	
TANK		*12.90*	

LINE#	COLOR	LENGTH	# OF PANELS
1	*ORANGE*	*34*	8
2	*BLUE*	*44*	10
3	*PINK*	*60*	14
4	*ORANGE*	*80*	18
5	*BLUE*	*50*	12
	TOTAL	268	62

HOLE SIZE	**5/32"**
GALLONS PER MINUTE	**25.42**