LP PPBPS TAPSHEET - Anniston Lot 52

SYSTEM

Line #	Color	Elevation	Length	Hole Size	Flow/hole	Trench Area	Number of Panels
1	***RED***	99	***40***	0.156	**0.41**	120	9
2	***ORANGE***	98.5	***60***	0.156	**0.41**	180	14
3	***BLUE***	97.6	***80***	0.156	**0.41**	240	18
4	***PINK***	96.8	***95***	0.156	**0.41**	285	22
5	***RED***	96	***100***	0.156	**0.41**	300	23
	total	**feet =**	**375**	**gal/min =**	**35.26**		86

Des. Flow	**600**
Pump Run=	**5.88**
soil LTAR	**0.3**
LTAR +5%	**0.315**
LTAR with mod.	**0.6**
LTAR with mod., + 5%	**0.63**

.156 equals 5/32 inch hole

CALCULATIONS

Location Anniston Subdivision

Project Number

Lot No: Lot 52

No. of Bedrooms 5

Design Flow 600 $^{gal}/_{day}$

LTAR 0.3 $^{gal}/_{ft^2\ day}$

PPBPS? (YES OR NO) YES

Supply Line Length 139 ft.

Supply Line Volume 24.186 gal.

Required Feet of Line 333.3333 ft.
Amount of Line from Layout 375 ft.

Gallons per Minute 35.26 $^{gal}/_{min}$

Note: Flow/hole (.41gpm) x # of panels

Required Septic Tank Capacity 1250 gal.
Minimum Standard Tank Size 1500 gal.

Panel Volume 3.6 gal.
# of Panels 86
Dosing Volume 207 gal.

Note: Dosing Volume based on 67% of # of panels times 3.6 gal/panel

Tank Draw Down 7.2 *Generic Draw Down of 21 gal.per in.*

Pump Run Time 5.88 minutes

Elevation Head 13.6 ft.
Pressure Head 2 ft.
Friction Factor 2.37 ft./100 ft. *(From the interpolater.)*
Friction Head 3.29 ft.

Total Dynamic Head (+15%) 21.73 ft.

FRICTION FACTOR
INTERPOLATER
2" SCH 40 PVC

GPM	*f*
20	0.84
	-0.88
25	1.27
	-1.28
30	1.78
	-1.76
35	2.37
	-2.25
40	3.03
43.07	3.48
45	3.77
48.14	4.28
50	4.58
57.11	5.89
60	6.42