THE POINT LOT 291

LP PPBPS

DESIGN FLOW (gpd):	480
SOIL APPLICATION RATE (gpd/ft.^{2}):	EXISTING
TOTAL AREA TRENCH BOTTOM:	900
TOTAL LATERAL LENGTH:	300
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	267
SUPPLY LINE LENGTH:	EXISTING
TOTAL DYNAMIC HEAD:	EXISTING
MANIFOLD SIZE:	N/A
DOSING VOLUME:	EXISTING
PUMP TANK DRAW DOWN*:	EXISTING
SEPTIC TANK SIZE:	EXISTING
PUMP TANK SIZE:	EXISTING

**Pump tank draw down based on a volume basis of 21 gallons per inch. Draw down may vary among pump tank manufacturers.*

THE POINT LOT 291

Project #: 01-1619

LAYOUT FOR 4 BEDROOM HOME

May 12, 2010

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM		N/A			100.00		
INSTR. 1			N/A				
HOUSE CNR				N/A	N/A		
P. TANK				N/A	N/A		
1	***RED***	***(existing)***		***N/A***	***N/A***	***50***	***50***
2	***ORANGE***	***(existing)***		***N/A***	***N/A***	***50***	***50***
3	***PINK***	***(existing)***		***N/A***	***N/A***	***50***	***50***
4	***BLUE***	***(existing)***		***N/A***	***N/A***	***50***	***50***
5	***RED***	***(existing)***		N/A	N/A	***50***	***50***
6	***ORANGE***	***(existing)***		N/A	N/A	***50***	***50***
					Total	**300**	**300**

	LINE LENGTH	LTAR GPD/FT2	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION
** System*	*300*	***EXISTING***	***MOD.***	***EXISTING***	***PPBPS***	***LOW PRESSURE***
Repair	*267*	***EXISTING***	MOD.	***EXISTING***	PPBPS	LOW PRESSURE

Notes:
** TBM located top of ground at EIP at corner of lot (see site plan)
**TBM is assumed to be 100'
**All measures in feet
**Nitrification lines are demonstrated on contour via colored pin flags
**BS, HI, and FS indicate rod readings

CALCULATIONS

Location THE POINT

Project Number 01-1619

Lot No: 291

No. of Bedrooms 4

Design Flow 480 $^{gal}/_{day}$

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

PPBPS? (YES OR NO) YES

Supply Line Length EXISTING ft.

Supply Line Volume EXISTING gal.

Required Feet of Line 267 ft.
Amount of Line from Layout 300 ft.

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

Required Septic Tank Capacity EXISTING gal.
Minimum Standard Tank Size EXISTING

Panel Volume 3.6 gal.
# of Panels EXISTING
Dosing Volume EXISTING gal.

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

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

Pump Run Time EXISTING minutes

Elevation Head EXISTING ft.
Pressure Head EXISTING ft.
Friction Factor EXISTING ft./100 ft. *(From the interpolater.)*
Friction Head EXISTING ft.

Total Dynamic Head (+15%) EXISTING 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