LP PPBPS SYSTEM
FOR WASTEWATER TREATMENT

Owner/Applicant: Jim Watson

Address: 176 Broad Bill Drive
Mooresville, NC 28117
Phone: 704 660 6496
County: Iredell
Location: LOT 80 WOODLAND HILLS

Source of Wastewater Flow: 3 Bedroom Single Family Residence
Estimated Gallons Per Day Flow: 360
System Flow: NA

Design Specifications

Drainfield Size: 200
Loading Rate (gpd/ft.^{2}): 0.3
Depth of Gravel in Trench: NA (PPBPS)
Gravel Size: NA (PPBPS)
Trench Depth: 36 in.
Trench Width: 36 in.
Septic Tank Size: 1000
Pump Tank Size: NA

Estimated Supply Line Length: 3
Supply Line Diameter: 3 in. SCH 40 PVC
Supply Line Volume: 0.52
Dosing Volume: NA
Supply Manifold: Tru Flow Splitter
Supply Manifold Length: N/A
Supply Manifold Volume: N/A

Recommended Float Controls: NA

Recommended Control Panel: NA

Pressure Head: NA
Friction Head: NA
Elevation Head: NA
Total Dynamic Head: NA

Threaded Union: NA
Gate Valves: NA

Check Valves: NA
Anti-Siphon Hole: NA
Additional Comments: Soil suitability was performed by Rollans Soil & Environmental Services

LOT 80 WOODLAND HILLS
LP PPBPS

DESIGN FLOW (gpd):	360
SOIL APPLICATION RATE (gpd/ft.^{2}):	0.3
TOTAL AREA TRENCH BOTTOM:	400
TOTAL LATERAL LENGTH:	200
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	200
SUPPLY LINE LENGTH:	3
TOTAL DYNAMIC HEAD:	NA
MANIFOLD SIZE:	N/A
DOSING VOLUME:	NA
PUMP TANK DRAW DOWN*:	NA
SEPTIC TANK SIZE:	1000
PUMP TANK SIZE:	NA

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

LOT 80 WOODLAND HILLS

Project #: 01-1890

LAYOUT FOR 3 BEDROOM HOME

September 17, 2013

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM		NA			NA		
INSTR. 1			NA				
HOUSE CNR				NA	NA		
P. TANK				NA	NA		
1	ORANGE	EXISTING	abandon	NA	NA	50	50
2	BLUE	EXISTING	abandon	NA	NA	50	50
3	RED	EXISTING	abandon	NA	NA	50	50
4a	***PINK***			***NA***	***NA***	***50***	***50***
5a	***RED***			***NA***	***NA***	***50***	***50***
5b	***RED***			***NA***	***NA***	***50***	***50***
6	***ORANGE***			***NA***	***NA***	***65***	***50***
7	DK PINK			NA	NA	31	31
8	ORANGE			NA	NA	35	35
9	YELLOW			NA	NA	40	40
10	PINK			NA	NA	51	51
11	BLUE			NA	NA	52	52
					Total	574	559

	LINE LENGTH	LTAR GPD/FT2	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION
**** System***	***200***	***0.3***	***MOD.***	***0.3***	***PPBPS***	***GRAVITY DISTRIBUTION***
Repair	209	0.25	MOD.	0.25	PPBPS	LOW PRESSURE

Notes: ** TBM NOT REQUIRED

**All measures in feet

**Nitrification lines are demonstrated on contour via colored pin flags

**BS, HI, and FS indicate rod readings

****Additional Pretreated Repair Area inside the Lake Buffer Near Boring 4.**

PPBPS TAPSHEET -WOODLAND HILLS LOT 80

SYSTEM

Line #	Color	Elevation	Length	Hole Size	Flow/hole	Trench Area	Number of Panels
4a	*PINK*	n/a	*50*	n/a	n/a	150	12
5a	*RED*	n/a	*50*	n/a	n/a	150	12
5b	*RED*	n/a	*50*	n/a	n/a	150	12
6	*ORANGE*	n/a	*50*	n/a	n/a	150	12
							48

total	feet =	200	gal/min =	n/a	
		Des. Flow	360		
		Pump Run=	n/a		
		soil LTAR	0.3		
		LTAR +5%	0.315		
		LTAR with mod.	0.6		
		LTAR with mod.. + 5%	0.63		