Gravity PPBPS
FOR WASTEWATER TREATMENT

Owner:	BO OF NC
Address:	249 Williamson Rd. STE 101 Mooresville, NC 28117
Phone:	704-696-2662
County:	Iredell
Location:	WINDING FOREST LOT #38
Source of Wastewater Flow:	4 Bedroom Single Family Residence
Estimated Daily Wastewater Production:	480 gpd
System Flow:	NA

Design Specifications

Drainfield Size:	320
Loading Rate:	0.25
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:	25
Supply Line Diameter:	3 in. SCH 40 PVC
Supply Line Volume:	4.35
Dosing Volume:	NA
Supply Manifold:	D-BOX
Supply Manifold Length:	NA
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 NA
Check Valves:	NA
Anti-Siphon Hole:	NA
Additional Comments:	Soil suitability was performed by Rollans Soil & Environmental Services.

WINDING FOREST LOT #38

DESIGN FLOW:	480
SOIL APPLICATION RATE:	0.25
TOTAL AREA TRENCH BOTTOM:	960
TOTAL LATERAL LENGTH:	320
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	320
SUPPLY LINE LENGTH:	25
TOTAL DYNAMIC HEAD:	NA
MANIFOLD SIZE:	NA
DOSING VOLUME:	NA
PUMP TANK DRAW DOWN*:	NA
SEPTIC TANK SIZE:	1000
PUMP TANK SIZE:	NA

WINDING FOREST LOT #38

Project #: 01-1152

LAYOUT FOR 4 BEDROOM HOME — June 27, 2006

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM		N/A			100.00		
TANK		N/A	N/A				
HOUSE		N/A	N/A				
INSTR. 1			N/A				
1	***RED***			***N/A***	***N/A***	***80***	***80***
2	***BLUE***			***N/A***	***N/A***	***82***	***80***
3	***ORANGE***			***N/A***	***N/A***	***82***	***80***
4	***PINK***			***N/A***	***N/A***	***90***	***80***
5	RED			N/A	N/A	90	90
6	BLUE			N/A	N/A	90	90
7	ORANGE			N/A	N/A	90	90
8	PINK			N/A	N/A	80	80
					Total	**684**	**670**

	LINE LENGTH	LTAR GPD/FT^2	SYSTEM TYPE	SOIL LTAR GPD/FT^2	TRENCH SYSTEM	DISTRIBUTION
****System***	***320***	***0.25***	***MOD.***	*0.25*	***PPBPS***	**GRAVITY**
Repair	350	0.25	*MOD.*	0.25	PPBPS	**DISTRIBUTION** 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

TAPSHEET - WINDING FOREST LOT #38

SYSTEM

Line #	Color	Elevation	Length	Hole Size	# of Panels	gpd	Trench Area
1	***RED***	N/A	***80***	N/A	**18**	N/A	240
2	***BLUE***	N/A	***80***	N/A	**18**	N/A	240
3	***ORANGE***	N/A	***80***	N/A	**18**	N/A	240
4	***PINK***	N/A	***80***	N/A	**18**	N/A	240
	total	**feet =**	**320**	**gal/min =**	N/A		
			Des. Flow	N/A			
			Pump Run=	N/A			
			soil LTAR	**0.25**			
			LTAR +5%	**0.2625**			
			LTAR with ACCEPTED	**0.333333333**			
			LTAR with ACCEPTED + 5%	**0.35**			