Gravity 25% Reduction
FOR WASTEWATER TREATMENT

Owner:	Erin Lacoille
Address:	468 Clontz Hill Road Troutman, NC 28166
Phone:	704.746.5378
County:	Iredell
Location:	Hampton's Cove Road Lot 1
Source of Wastewater Flow:	3 Bedroom Single Family Residence
Estimated Gallons Per Day Flow:	360
System Flow:	NA

Design Specifications

Drainfield Size:	300
Loading Rate (gpd/ft.^{2}):	0.3
Depth of Gravel in Trench:	NA (25% reduction)
Gravel Size:	NA (25% reduction)
Trench Depth:	36 in.
Trench Width:	36 in.
Septic Tank Size:	1000
Pump Tank Size:	N/A
Estimated Supply Line Length:	65
Supply Line Diameter:	3 in. SCH 40 PVC
Supply Line Volume:	11.31
Dosing Volume:	NA
Supply Manifold:	DROP 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.

Hampton's Cove Road Lot 1

DESIGN FLOW (gpd):	360
SOIL APPLICATION RATE (gpd/ft.^{2}):	0.3
TOTAL AREA TRENCH BOTTOM:	900
TOTAL LATERAL LENGTH:	300
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	300
SUPPLY LINE LENGTH:	65
TOTAL DYNAMIC HEAD:	NA
MANIFOLD SIZE:	NA
DOSING VOLUME:	NA
PUMP TANK DRAW DOWN*:	NA
SEPTIC TANK SIZE:	1000
PUMP TANK SIZE:	N/A

Hampton's Cove Road Lot 1

LAYOUT FOR 3 BEDROOM HOME — August 6, 2010

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	BLUE			N/A	N/A	51	51
2	***RED***			***N/A***	***N/A***	***150***	***150***
3	***ORANGE***			***N/A***	***N/A***	***156***	***150***
4	PINK			N/A	N/A	135	135
5	RED			N/A	N/A	115	115
					Total	**607**	**601**

	LINE LENGTH	LTAR GPD/FT^2	SYSTEM TYPE	SOIL LTAR GPD/FT^2	TRENCH SYSTEM	DISTRIBUTION
**** System***	***300***	***0.30***	***ACCEPT.***	*0.30*	***25% RED.***	**GRAVITY DISTRIBUTION**
Repair	301	0.30	*ACCEPT.*	0.30	25% RED.	GRAVITY DISTRIBUTION

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