Gravity 25% Reduction
FOR WASTEWATER TREATMENT

Owner:	Donna Kistler
Address:	
	Statesville, NC 28677
Phone:	704 746-8601
County:	Iredell
Location:	ROCKY RIVER ESTATES LOT 2
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}):	0.30
Depth of Gravel in Trench:	NA (25% reduction)
Gravel Size:	NA (25% reduction)
Trench Depth:	22 in.
Trench Width:	36 in.
Septic Tank Size:	1000
Pump Tank Size:	N/A
Estimated Supply Line Length:	26
Supply Line Diameter:	3 in. SCH 40 PVC
Supply Line Volume:	9.36
Dosing Volume:	NA
Supply Manifold:	chambers
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.

ROCKY RIVER ESTATES LOT 2

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:	26
TOTAL DYNAMIC HEAD:	NA
MANIFOLD SIZE:	NA
DOSING VOLUME:	NA
PUMP TANK DRAW DOWN*:	NA
SEPTIC TANK SIZE:	1000
PUMP TANK SIZE:	NA

ROCKY RIVER ESTATES LOT 2

Project #: 01-1903

LAYOUT FOR 3 BEDROOM HOME

9/19/2013

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM		NA		NA	NA		
INSTR. 1 HOUSE CRN			NA	NA	NA		
P. TANK			NA	NA	NA		
1	BLUE			NA	NA	38	38
2	PINK			NA	NA	56	56
3A	***YELLOW***			***NA***	***NA***	***36***	***36***
3B	YELLOW			NA	NA	30	30
4	***RED***			***NA***	***NA***	***100***	***100***
5	***ORANGE***			***NA***	***NA***	***76***	***76***
6	**BLUE**			**NA**	**NA**	**88**	**88**
7	PINK			NA	NA	80	80
					Total	**504**	**504**

	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**
Repair	204	0.30	*MOD.*	0.30	PPBPS	**DISTRIBUTION** LOW PRESSURE

Notes:

** TBM Is Not Required.

**All measures in feet

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

**BS, HI, and FS indicate rod readings