Gravity 25% Reduction
FOR WASTEWATER TREATMENT

Owner:	BARRY PORIS
Address:	121 Riverchase Lane Mooresville, NC 28115
Phone:	704-799-8557
County:	Iredell
Location:	Walden Ridge Subdivision Lot #49
Source of Wastewater Flow:	4 Bedroom Single Family Residence
Estimated Daily Wastewater Production:	480 gpd
System Flow:	NA

Design Specifications

Drainfield Size:	400
Loading Rate:	0.3
Depth of Gravel in Trench:	NA (25% reduction)
Gravel Size:	NA (25% reduction)
Trench Depth:	30-36 in.
Trench Width:	36 in.
Septic Tank Size:	1000
Pump Tank Size:	NA
Estimated Supply Line Length:	120
Supply Line Diameter:	3 in. SCH 40 PVC
Supply Line Volume:	20.88
Dosing Volume:	NA
Supply Manifold:	SERIAL
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.

WALDEN RIDGE SUBDIVISION LOT 49

DESIGN FLOW:	480
SOIL APPLICATION RATE:	0.3
TOTAL AREA TRENCH BOTTOM:	1200
TOTAL LATERAL LENGTH:	400
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	400
SUPPLY LINE LENGTH:	120
TOTAL DYNAMIC HEAD:	NA
MANIFOLD SIZE:	NA
DOSING VOLUME:	NA
PUMP TANK DRAW DOWN*:	NA
SEPTIC TANK SIZE:	1000
PUMP TANK SIZE:	NA

WALDEN RIDGE LOT #49

Project #: 01-1069

LAYOUT FOR 4 BEDROOM HOME

May 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	***ORANGE***			***N/A***	***N/A***	***105***	***100***
2	***PINK***			***N/A***	***N/A***	***106***	***100***
3	***RED***			***N/A***	***N/A***	***105***	***100***
4	***BLUE***			***N/A***	***N/A***	***105***	***100***
5	ORANGE			N/A	N/A	105	105
6	PINK			N/A	N/A	105	106
7	RED			N/A	N/A	105	105
					Total	**736**	**716**

	LINE LENGTH	LTAR GPD/FT²	SYSTEM TYPE	SOIL LTAR GPD/FT²	TRENCH SYSTEM	DISTRIBUTION
**** System***	***400***	***0.30***	***ACCEPT.***	***0.30***	***25% RED.***	**GRAVITY**
Repair	316	0.30	*PPBPS*	0.30	PPBPS	**DISTRIBUTION** 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