Gravity 25% Reduction
FOR WASTEWATER TREATMENT

Owner: Corinthian Development LTD

Address: P.O. Box 3421
Mooresville, NC 28117

Phone: 704-664-4822

County: Iredell

Location: Oak Ridge Subdivision Lot #8

Source of Wastewater Flow: 3 Bedroom Single Family Residence

Estimated Daily Wastewater Production: 360 gpd

System Flow: NA

Design Specifications

Drainfield Size: 360

Loading Rate: 0.25

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: 49

Supply Line Diameter: 3 in. SCH 40 PVC

Supply Line Volume: 8.53

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.

Oak Ridge Subdivision Lot #8

DESIGN FLOW:	360
SOIL APPLICATION RATE:	0.25
TOTAL AREA TRENCH BOTTOM:	1080
TOTAL LATERAL LENGTH:	360
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	360
SUPPLY LINE LENGTH:	49
TOTAL DYNAMIC HEAD:	NA
MANIFOLD SIZE:	NA
DOSING VOLUME:	NA
PUMP TANK DRAW DOWN*:	NA
SEPTIC TANK SIZE:	1000
PUMP TANK SIZE:	N/A

OAK RIDGE LOT #8

Project #: 01-1296

LAYOUT FOR 3 BEDROOM HOME

October 17, 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***	***138***	***120***
2	***BLUE***			***N/A***	***N/A***	***145***	***120***
3	***PINK***			***N/A***	***N/A***	***163***	***120***
4	ORANGE			N/A	N/A	167	167
5	RED			N/A	N/A	75	75
					Total	**688**	**602**

	LINE LENGTH	LTAR GPD/FT^2	SYSTEM TYPE	SOIL LTAR GPD/FT^2	TRENCH SYSTEM	DISTRIBUTION
**** System***	***360***	***0.25***	***ACCEPT.***	***0.25***	***25% RED.***	**GRAVITY**
Repair	242	0.25	*ACCEPT.*	0.275	25% RED.	**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