GRAVITY PPBPS SYSTEM
FOR WASTEWATER TREATMENT

Owner/Applicant: GANDY DEVELOPMENT

Address: P.O. BOX 2326
Cornelius, NC 28031
Phone: 704.634.5140
County: Iredell
Location: PALOS VERDE LOT #8

Source of Wastewater Flow: 4 Bedroom Single Family Residence
Estimated Daily Wastewater Production: 480 gpd
System Flow: N/A

Design Specifications

Drainfield Size: 298
Loading Rate: 0.3
Depth of Gravel in Trench: NA (PPBPS)
Gravel Size: NA (PPBPS)
Trench Depth: 30 in.
Trench Width: 24 in.
Septic Tank Size: 1000
Pump Tank Size:

Estimated Supply Line Length: 10
Supply Line Diameter: 3 in. SCH 40 PVC
Supply Line Volume: 3.80
Dosing Volume: N/A
Supply Manifold: N/A
Supply Manifold Length: N/A
Supply Manifold Volume: N/A

Recommended Float Controls: N/A

Recommended Control Panel: N/A

Pressure Head: N/A
Friction Head: N/A
Elevation Head: N/A
Total Dynamic Head: N/A

Threaded Union: N/A
Gate Valves: N/A

Check Valves: N/A
Anti-Siphon Hole: N/A
Additional Comments: Soil suitability was performed by Rollans Soil & Environmental Services

PALOS VERDE LOT #8
GRAVITY PPBPS

DESIGN FLOW:	N/A
SOIL APPLICATION RATE:	0.3
TOTAL AREA TRENCH BOTTOM:	596
TOTAL LATERAL LENGTH:	298
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	266.67
SUPPLY LINE LENGTH:	10
TOTAL DYNAMIC HEAD:	N/A
MANIFOLD SIZE:	N/A
DOSING VOLUME:	N/A
PUMP TANK DRAW DOWN*:	N/A
SEPTIC TANK SIZE:	1000
PUMP TANK SIZE:	

PALOS VERDE LOT #8

Project #:01-1782

LAYOUT FOR 4 BEDROOM HOME

April 4, 2013

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM							
INSTR. 1 HOUSE CNR S. TANK							
1	ORANGE					31	31
2	BLUE					46	46
3	ORANGE					57	57
4	BLUE					70	70
5A	ORANGE					70	70
5B	***ORANGE***					***50***	***50***
6A	BLUE					60	60
6B	***BLUE***					***50***	***50***
7A	RED					39	39
7B	***RED***					***50***	***50***
8A	ORANGE					22	22
8B	***ORANGE***					***54***	***50***
9A	BLUE					17	17
9B	***BLUE***					***50***	***50***
12	***RED***					***48***	***48***
					Total	714	710

	LINE LENGTH	LTAR GPD/FT2	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION
**** System***	***298***	***0.3***	***MOD.***	***0.300***	***PPBPS***	***GRAVITY***
Repair	***412***	0.3	MOD.	0.300	PPBPS	LOW PRESSURE

Notes: **Septic Layout located by Registered Land Surveyor

**All measures in feet

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