OWNER INFORMATION

Owner:	Jenaper Loma Hill, LLC
	Cliff Hecht
Address:	PO Box 5351
	Mooresville, NC 28117
Phone:	704-962-6694
County:	Iredell
Location:	Mallard Head Country Club Lot 36
Source of Wastewater Flow:	4 Bedroom Single Family Residence
Estimated Gallons Per Day Flow:	480
System Flow:	NA

25% GRAVITY DESIGN INFORMATION

Drainfield Design Flow (gpd):	483
Loading/Soil Application Rate (gpd/ft.^{2}):	0.25
Depth of Gravel in Trench:	NA (25% reduction)
Gravel Size:	NA (25% reduction)
Total Lateral Length From Layout:	483
Total Lateral Length Required:	480
Trench Depth:	**24 in.**
Trench Width:	36 in.
TOTAL AREA TRENCH BOTTOM:	1449
Septic Tank Size:	1000 gal.
Estimated Supply Line Length:	60
Supply Line Diameter:	3 in. SCH 40 PVC
Supply Line Volume:	21.60
Dosing Volume:	NA
Supply Manifold:	SERIAL DISTRIBUTION
Additional Comments:	Soil suitability was performed by Adrian L. Pruett at Carolina Soil & Septic Consulting

MALLARD HEAD COUNTRY CLUB LOT 36, PHASE S1
FIELD LAYOUT SPECIFICATIONS

LAYOUT FOR 4 BEDROOM RESIDENCE

June 18, 2013

LINE #	FLAG COLOR	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM			NA		
HOUSE CRN		NA	NA		
P. TANK		NA	NA		
1	*ORANGE*	*NA*	*NA*	*76*	*76*
2	*BLUE*	*NA*	*NA*	*86*	*86*
3	*YELLOW*	*NA*	*NA*	*85*	*85*
4	*PINK*	*NA*	*NA*	*64*	*64*
5	*ORANGE*	*NA*	*NA*	*26*	*26*
6	*BLUE*	*NA*	*NA*	*50*	*50*
7	*YELLOW*	*NA*	*NA*	*52*	*52*
8	*PINK*	*NA*	*NA*	*44*	*44*
			Total	**483**	**483**

	LINE LENGTH	SYSTEM TYPE	SOIL LTAR GPD/FT^2	TRENCH SYSTEM	DISTRIBUTION
System	*483*	*ACCEPT.*	*0.25*	*25% RED.*	*GRAVITY*

Repair NOT REQUIRED
Refer to Deed

Notes:
** TBM Is Not Required.
**All measures in feet
**Nitrification lines are demonstrated on contour via colored pin flags
****NO REPAIR REQUIRED**

DOSING CALCULATIONS

Location Mallard Head Country Club

Lot No: Lot 36

No. of Bedrooms	4
Design Flow	480 $^{gal}/_{day}$
LTAR	0.25 $^{gal}/_{ft^2\ day}$
25% RED. Expansion? (YES OR NO)	YES
Supply Line Length	60 ft.
Supply Line Volume	21.6 gal.
Required Feet of 25% RED. Line	480 ft.
Amount of Line from Layout	483 ft.
Gallons per Minute	NA $^{gal}/_{min}$
Septic Tank Capacity	1000 gal.
Minimum Septic Tank Capacity	1000 gal.
Lateral Line Volume	315.399 gal.