OWNER INFORMATION

Owner:	IQ Custom Construction Inc
	Jason Slagle
Address:	840 Edmiston Rd
	Mt. Ulla, NC 28125
Phone:	704-400-6472
County:	Iredell
Location:	LOT 19 OF PINE KNOLL POINTE ON KEMP RD
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):	480
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:	480
Total Lateral Length Required:	480
Trench Depth:	24 in.
Trench Width:	36 in.
TOTAL AREA TRENCH BOTTOM:	1440
Septic Tank Size:	1000 gal.
Estimated Supply Line Length:	27
Supply Line Diameter:	3 in. SCH 40 PVC
Supply Line Volume:	9.72
Dosing Volume:	NA
Supply Manifold:	SERIAL DISTRIBUTION
Additional Comments:	Soil suitability was performed by Adrian L. Pruett LSS

LOT 19 OF PINE KNOLL POINTE ON KEMP RD
FIELD LAYOUT SPECIFICATIONS

LAYOUT FOR 4 BEDROOM RESIDENCE — August 18, 2013

LINE #	FLAG COLOR	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM			NA		
HOUSE CRN		NA	NA		
P. TANK		NA	NA		
1	YELLOW	NA	NA	81	81
2	PINK	NA	NA	102	102
3	ORANGE	NA	NA	126	126
4	BLUE	NA	NA	31	31
5	***BLUE***	***NA***	***NA***	***100***	***100***
6	***YELLOW***	***NA***	***NA***	***150***	***148***
7	***PINK***	***NA***	***NA***	***132***	***128***
8	***ORANGE***	***NA***	***NA***	***60***	***60***
9	***BLUE***	***NA***	***NA***	***44***	***44***
			Total	**826**	**820**

	LINE LENGTH	SYSTEM TYPE	SOIL LTAR GPD/FT^2	TRENCH SYSTEM	DISTRIBUTION
System	***480***	***ACCEPT.***	***0.25***	***25% RED.***	***GRAVITY***
Repair	340	*MOD.*	0.25	PPBPS	LOW PRESSURE

Notes:
** TBM Is Not Required.
**All measures in feet
**Nitrification lines are demonstrated on contour via colored pin flags

DOSING CALCULATIONS

Location PINE KNOLL POINTE

Lot No: LOT 19

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	27 ft.
Supply Line Volume	9.72 gal.
Required Feet of 25% RED. Line	480 ft.
Amount of Line from Layout	480 ft.
Gallons per Minute	NA $^{gal}/_{min}$
Septic Tank Capacity	1000 gal.
Minimum Septic Tank Capacity	1000 gal.
Lateral Line Volume	313.44 gal.