North Based on:
Map Bk:13 Pg:58
Dated: November, 1975

11-40-1

STILLWATER ROAD S.R. 1447

R=205.36'
L= 66.13'

N23°13'00"W
93.32'

Found #4 Rebar

35' Front Setback

66'

Concrete Drive

Existing House

15' Side Setback

N51°41'08"E
222.57'

Lot 50
Maria L. Haughton
Deed Bk:1172 Pg:1870

Found #4 Rebar

S51°25'00"W
200.94'

15' Side Setback

Pool Deck

Pool

Covered Porch

Wood Deck

Existing Tank

Existing Boxes

Existing Drop

1 Existing Septic (Red) 90'

2 Existing Septic (Blue) 118'

3 Existing Septic (Orange) 124'

Septic Lines

New Drop Box

4 New Pink 52'

6 Red 93'

7 Blue 98'

5 Blue 36'

50' Lake Setback

Lot 49
0.77 Acres

S28°22'00"E
94.17'

S07°50'42"E
71.88'

760 Contour Per Actual Field Location

Found #4 Rebar

Lot 48
James L. Mundehenke
Deed Bk:714 Pg:943

LAKE NORMAN

OWNER INFORMATION

Owner:	Jim and Becky Karr
Address:	5517 Long Walk Dr Kernersville, NC 27284
Phone:	336-817-8903
County:	Iredell
Location:	637 STILLWATER RD, LOT 49
Source of Wastewater Flow:	3 Bedroom Single Family Residence Expansion
Estimated Gallons Per Day Flow:	360
System Flow:	NA

25% GRAVITY DESIGN EXPANSION INFORMATION

Drainfield Design Flow (gpd):	52
Loading/Soil Application Rate (gpd/ft.^{2}):	0.30
Depth of Gravel in Trench:	NA (25% reduction)
Gravel Size:	NA (25% reduction)
Total Lateral Length From Layout:	52
Total Lateral Length Required:	52
Trench Depth:	36 in.
Trench Width:	36 in.
TOTAL AREA TRENCH BOTTOM:	156
Septic Tank Size:	Existing
Estimated Supply Line Length:	Existing
Added Supply Line Length From New Drop Box	26
Supply Line Diameter:	3 in. SCH 40 PVC
Supply Line Volume:	Not Known
Dosing Volume:	NA
Supply Manifold:	DROP BOX
Additional Comments:	Soil suitability was performed by Adrian L. Pruett LSS Permit on file with Iredell County Env. Health Dept. does not have an LTAR listed.

637 STILLWATER RD, LOT 49
FIELD LAYOUT SPECIFICATIONS

LAYOUT FOR 3 BEDROOM HOME EXPANSION

February 29, 2012

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM		NA			NA		
INSTR. 1			NA				
HOUSE CRN				NA	NA		
P. TANK				NA	NA		
1	*EXISTING (RED)*			*NA*	*NA*	*90*	*90*
2	*EXISTING (BLUE)*			*NA*	*NA*	*118*	*118*
3	*EXISTING (ORANGE)*			*NA*	*NA*	*124*	*124*
4	*PINK (25% RED.)*			*NA*	*NA*	*54*	*52*
5	BLUE			NA	NA	36	36
6	RED			NA	NA	93	93
7	BLUE			NA	NA	98	98
					Total	**613**	**611**

	LINE LENGTH	LTAR GPD/FT^2	SYSTEM TYPE	SOIL LTAR GPD/FT^2	TRENCH SYSTEM	DISTRIBUTION
** New System*	*52*	*0.30*	*ACCEPT.*	*0.30*	*25% RED.*	*GRAVITY DISTRIBUTION*
Existing Sys.	*332*	*0.30*	*CONV.*	*0.30*	*CONV.*	*GRAVITY DISTRIBUTION*
Total:	*384*					
Repair	227	0.30	*MOD.*	0.30	PPBPS	PRETREATED LOW PRESSURE

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

DOSING CALCULATIONS

Location 637 Stillwater Rd

Lot No: Lot 49

No. of Bedrooms	3
Design Flow	360 $^{gal}/_{day}$
LTAR	0.30 $^{gal}/_{ft^2 day}$
25% RED. Expansion? (YES OR NO)	YES
Supply Line Length	Existing ft.
Added Supply line lengh from New Drop Box	26 ft.
Supply Line Volume	Not Known gal.
Required Feet of 25% RED. Line	52 ft.
Amount of Line from Layout	52 ft.
Gallons per Minute	NA $^{gal}/_{min}$
Required Septic Tank Capacity	1000 gal.
Minimum Standard Tank Size	Existing
Lateral Line Volume	33.956 gal.