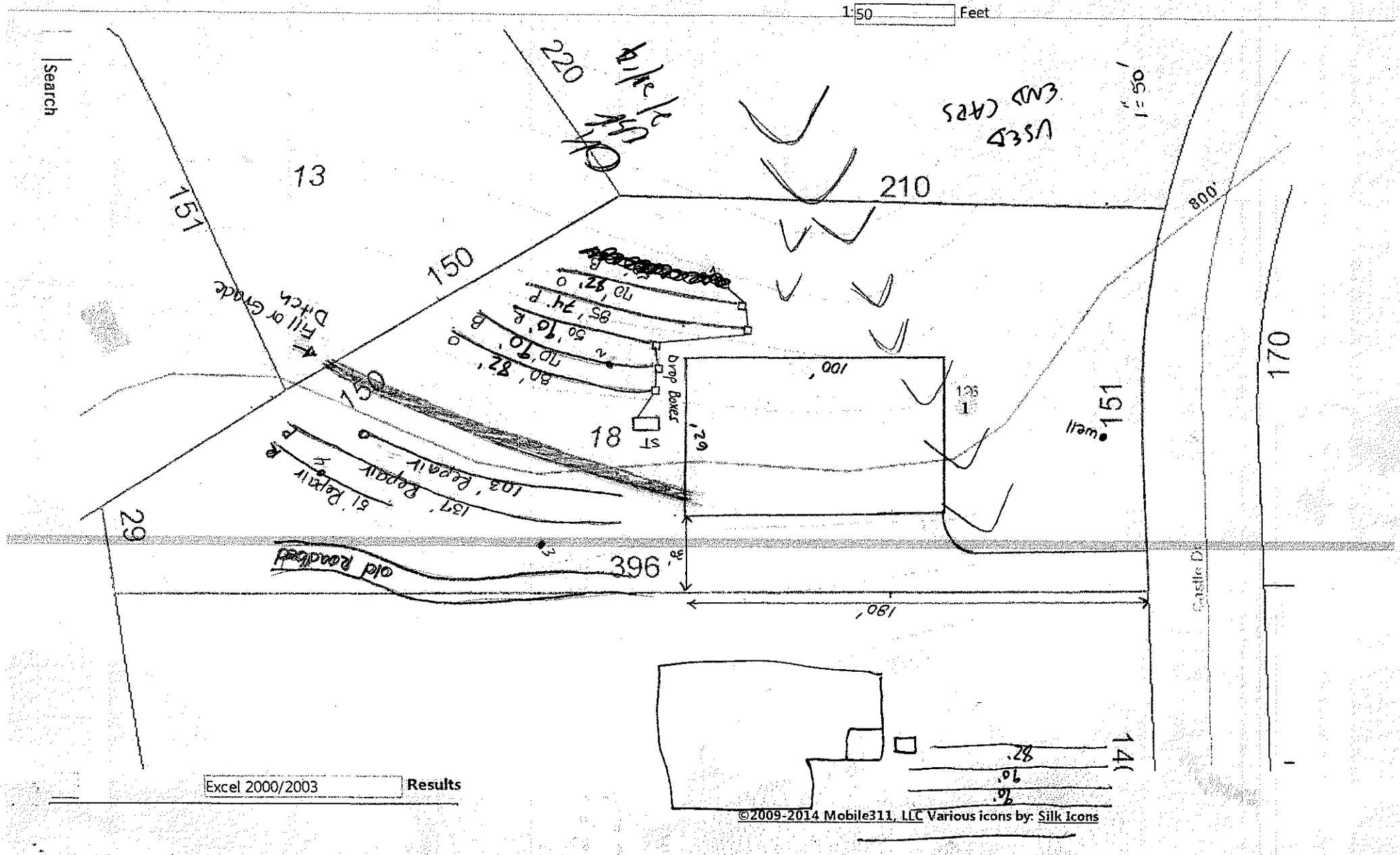
CONNECTGIS WEB HOSTING IREDELL COUNTY NORTH CAROLINA

1:50 Feet



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126 Castle Drive Fast Track

Number of Bedrooms	**4**
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	**480**
Primary System LTAR (gpd/ft2)	**0.3**
Primary System Type	**25% Reduction**
No. Lines	6 (See Table)
Total Linear Feet	405
Trench Width	3' min.
Trench Spacing	9' min.
Distribution Device	Drop Boxes
Tank Size	1000 gallon tank
Max Trench Bottom Depth (Low Side)	30 inches
Supply Line Length (ft)	10'
Maintenance Agreement Required	No
Repair System	**LP PPBPS**
Total Linear Feet	291
Repair Loading Rate	0.3

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)
1	Repair	Red	LP PPBPS	51
2	Repair	Pink	LP PPBPS	137
3	Repair	Orange	LP PPBPS	103
4	System	Orange	25% Reduction	80 endfed
5	System	Blue	25% Reduction	70 endfed
6	System	Red	25% Reduction	50 endfed
7	System	Pink	25% Reduction	85 endfed
8	System	Orange	25% Reduction	70 endfed
9	System	Blue	25% Reduction	50 endfed
				Total System: 405'
				Total Repair: 291'

Note: Fill/grade ditch above system so water does not shed over system once house is built

Project #: 201724
Property ID #: 4648136470
County: Iredell

SOIL/SITE EVALUATION

Sheet: 1 of 1
Date Evaluated: 2-8-14

Owner or Client: Geoff Sayer
Proposed Facility: SFR Design Flow: 480 Property Size: 1.11 Ac
Location of Site: 126 Castle Dr
Soil Described By: KMS Others Present: RH Site LTAR: Int. 0.3 Rep. 0.3
Antecedent Moisture: Weather: 50°F sunny Site Classification: PS

Water Supply: [ ] Public [ ] Community [X] On-Site Well [ ] Spring [ ] Other
Evaluation Method: [X] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY Structure/ Texture	SOIL MORPHOLOGY Consistence Mineralogy	PROFILE FACTORS Inclusions	PROFILE FACTORS Matrix Color	PROFILE FACTORS Mottles	PROFILE FACTORS Profile Notes (Restr Horiz, Soil Depth, Coarse Frag, etc...)	Profile Class & LTAR
1	L	0-16	Mo SBK C	FR SS/SP		Red			0.3 w/ 30" TBD
		16-23	Mo SBK C	FR SS/SP		Red	F yel Br		
		23-40	Mo SBK CL	FR SS/SP	F Sap	Red			
		40-50	WK SBK CL	FR SS/SP	C Sap	Red			
2	L	0-3	Mo GR SL	FR ns/np		Br			0.3
		3-30	Mo SBK C	FR SS/SP		Red			
		30-42	WK SBK CL	FR SS/SP	C Sap	Red			
		42-49	MA L Sap	FR SS/SP		4 Red			
3	L	0-16	Mo GR SL/WK SBK SCL	FR SS/SP		Br			0.3
		16-36	Mo SBK C	FR SS/SP		Red			
		36-44	WK SBK C	FR SS/SP		Red		F Quartz	
		44"	AR (Quartz)						
4	L	0-3	Mo GR SL	FR ns/np		Br			0.3
		3-24	Mo SBK C	FR SS/SP		Red			
		24-48	WK SBK C	FR SS/SP	F/C Sap	Red			
5									Soils on Sht 1 of 4
6									

COMMENTS:

2 Borings near # 2 AR 30" (Quartz)

30" TBD