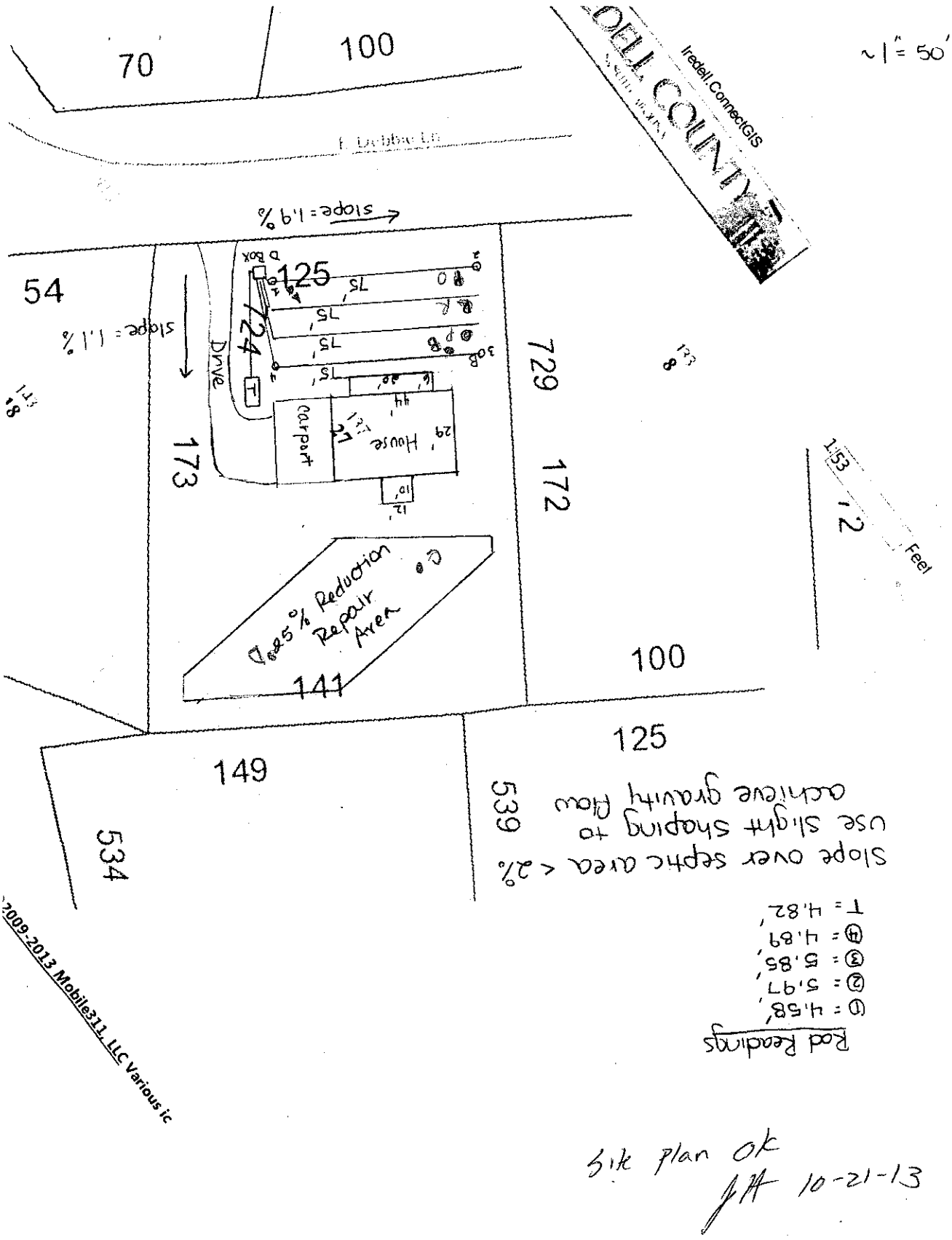
Lot 724-728 Iredell Heights Subdivision Fast Track

Number of Bedrooms	**3**
Basement or Crawl	**Concrete Slab**
Design Flow (gpd)	**360**
Primary System LTAR (gpd/ft2)	**0.3**
Primary System Type	**25% Reduction**
No. Lines	4 (See Table)
Total Linear Feet	300
Trench Width	3' min.
Trench Spacing	9' min.
Distribution Device	Distribution Box
Tank Size	1000 gallon tank
Max Trench Bottom Depth (Low Side)	36 inches
Maintenance Agreement Required	No
Repair System	**25% Reduction**
Total Linear Feet	360
Repair Loading Rate	0.25

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)
1	System	Pink	25% Reduction	75
2	System	Red	25% Reduction	75
3	System	Orange	25% Reduction	75
4	System	Blue	25% Reduction	75
				Total System: 300'
				Total Repair: xxx'

Note: Lot is repair exempt, area sized for 25% Reduction repair denoted on site plan
Front of lot is <2% slope, lines laid off contour
Slight shaping may be needed to achieve gravity flow


70
100
slope = 1.9 %
54
slope = 1.1 %
Drive
125
124
Job
Box
75'
75'
75'
75'
44'
22'
29' House
Carport
12'
10'
173
172
729
100
125
149
534
539
141
Slope over septic area < 2%
use slight shaping to
achieve gravity flow
85% Reduction
Repair
Area
1:53
1 Inch = 2 Feet
1 inch = 50 feet
IredellCountyNC
IredellConnectGIS
Lot Recorded 1955,
Repair Exempt
Red Readings
① = 4.58'
② = 5.97'
③ = 5.85'
④ = 4.89'
T = 4.82'
Site plan ok
JH 10-21-13
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Project #:
Property ID #:
County: Iredell

SOIL/SITE EVALUATION

Sheet:
Date Evaluated: 2012 2013 / 10-14-13

Owner or Client: Jeff Horne
Proposed Facility: SFR Design Flow: 360
Location of Site: 137 E Debbie Ln
Soil Described By: KMS Others Present:
Antecedent Moisture: Dry Weather: 65° F sunny

Property Size: ~0.4 Ac
Site LTAR: Int. 0.3 Rep. 0.25
Site Classification: PS

Water Supply: [X] Public [ ] Community [ ] 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
A 1	L <2%	0-21	Mo SBK C	FR SS/SP		Red			0.3
		21-32	Mo SBK CL	FR SS/SP	F Sap	Red			
		32-52	WK SBK CL	FR SS/SP	C. Sap	Red			
		52-60	MA L Sap	FR SS/SP		4.R			
B 2	L	0-6	WK SBK SCL	FR SS/SP		R Br			0.3
		6-30	Mo SBK C	FR SS/SP	F Mica	Red			
		30-58	WK SBK CL	FR SS/SP	F/C Sap	Red			
C 3	L	0-6	WK SBK SCL	FR SS/SP		R Br			0.25
		6-32	Mo SBK C	FR SS/SP	F Mn	Red			
		32-52	WK SBK C/CL	FR SS/SP	F Mn, Sap	Red			
D 4	L	0-6	WK SBK SCL	FR SS/SP		R Br			0.275
		6-40	Mo SBK/WK SBK C	FR SS/SP	F Sap	Red			
		40-48	WK SBK C	FR SS/SP	F/C Sap	Red			
5									
6									

COMMENTS:

soil OK
JH 10-21-13