certify that this plat was drawn under my supervision
made under my supervision (deed description recorded in
, or other reference source AS NOTED);
it surveyed are shown as broken lines drawn from
djoining deeds and plats as noted;
sion is 1 : 10,000+; and that this plat meets the
tandards of Practice for Land Surveying in North Carolina
olina Administrative Code Title 21, Chapter 56, Section 1600.

existing parcel or parcels of land and does not
or change an existing street.

November, 2014.

PRELIMINARY PLAT
T FOR RECORDATION,
NVEYANCES, OR SALES.

s, NCPLS 4718

1" = 40'

VICINI
NOT

WELL
37.04'
N84°17'45"E
87.10'
S5°42'15"E
182.00'
N13°21'44"E
192.58'
S84°17'45"W 94.86' TOTAL
64.86'
30.00'
N84°17'45"E
120.00'
S4°19'14"W
225.98'
N5°52'21"W
217.58'
35' SETBACK
15' SETBACK
DRIVE
50.5'
46.2'
46.1'
40.6'
91.3'
PROPOSED
SINGLE FAMILY
RESIDENCE
well
DRAINAGE DITCH
DITCH
20' PSDE
(SCALED FROM PB 44-124)
PROPOSED NEW LOCATION
SWELL
675 ft²
337 ft²
3850 ft²
1100 ft²
160'
80'
82.9'
3.7'
25'
35'
15'
45'
110'
20'
VB
Initial System =
LP Panel Block @ 0.2 gpd/ft²
24% Extra Drip space
Repair - Subsurface Drip w/ TSI pretreatment
Need 4800 ft² @ 0.1 gpd/ft²
Have 5960 ft²

1
2
3
4
5
40
42
43
53

CURVE TABLE

NUM	DELTA	ARC	RADIUS	
C1	5°17'02"	94.53'	1025.00'	S86°

NUM	
L1	S89°
L2	S84°

1ARY

Lot 42 Honeysuckle Creek Fast Track Septic System Information

Number of Bedrooms	4
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	480
LTAR (gpd/ft2)	0.2
Primary System Type	**LP PPBPS**
No. Lines	3 (See Table)
Total Linear Feet	400'
Trench Width	2' min.
Trench Spacing	8' min.
Trench Depth (low side)	23"
Pump Required	Yes
Distribution Device	Gate Valve Box w/ LPP Distribution
Maintenance Agreement Required	Yes
Length and Diameter of Supply Pipe	255' of 2" SCH 40 PVC
Size of laterals	1 1/4" SCH 40 PVC
Flow Rate through the system	45 gpm
Elevation head	Approx. 13.8'
Pressure head	3.0'
Friction head	9.6'
20% Contingency	5.3'
Total Head	31.7'
Pump Requirements	45 gpm @ 31.7' of head To be designed by installer.
Maximum Dosing Volume	324 gal -2.2 doses/day @ design flow*
Volume of water pumped per dose	Calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of water equals 7.48 gal.)
Pump Run per dose	approx. 7.2 min.
Check Valve	Yes
Siphon Break hole	Yes
Repair System	**Subsurface Drip with TS I Pretreatment**
Total Linear Feet	5,960 sqft (4,800 sqft required)
Repair LTAR	0.1

***Before placement of cap block, one panel on each line near the center of the field should be**

observed filling to make certain that it does not overflow top chamber into air chambers of panel. If overflow occurs, reduce floats by 25 gallons and reset until no overflow is observed.

Table 1: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Rod Reading Elev. (Ft.)	Panels	Holes	Hole Spacing	Hole Size (In.)
1	System	Red	LPPPBPS	80 endfed	2.9	18	18	1 per panel	5/32"
2	System	Pink	LPPPBPS	160 centerfed	3.7	36	36	1 per panel	5/32"
3	System	Orange	LPPPBPS	160 centerfed		36	36	1 per panel	5/32"
						Total: 90	Total: 90 (1 in each panel turned up)		
				Total System: 400'					
				Total Repair: xxx'					

Tank	Red	1000 gal (2 compartment)	
Pump Tank	Red	1000 gal.	10.7
House	Blue		9.8

Note: All Rod Readings should be verified by installer prior to installation of system

Project #:
Property ID #:
County: Iredell

SOIL/SITE EVALUATION

Sheet:
Date Evaluated: 12-8-14

Owner or Client: DG Custom Homes
Proposed Facility: SFR Design Flow: 480 Property Size:
Location of Site: Honeysuckle Creek
Soil Described By: KMS Others Present:
Antecedent Moisture: Weather:
Site LTAR: Int. 0.2 Rep. 0.1
Site Classification: PS

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

PROFILE #	Lscp. Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY: Structure	Texture	Consistence	PROFILE FACTORS: Inclusions	Matrix Color	Mottles	Profile Notes (Restr Horiz, Soil Depth, Coarse Frag, etc...)	Profile Class & LTAR
1	L	0-3	WK SBK	SCL	FR SS/SP		R Br			0.2
		3-19	Mo ABK	C	Fi SS/SP		R			
		19-36	WK ABK	C	Fi SS/SP	F Sap	R	F yel Br		
		36-48	WK ABK	C	FR SS/SP	F Sap	R	C yel Br		
2	LT	0-3	WK SBK	SCL	FR SS/SP		R Br			0.1 Drip w/ PT
		3-17	Mo SBK	C	Fi SS/SP		R	C/M yel Br		
		17"+	C/M yel Br & 2 Chroma							
3	LT	0-12	Mo SBK	C	FR SS/SP		R	C yel Br		0.1 Drip w/ PT
		12-17	Mo SBK	C	FR SS/SP		yel R	C/M yel Br		
		17"	C 2 Chr							
4	L 12%	0-3	Mo GR	SL	FR NS/NP		Br			0.2 to 40"
		3-30	Mo SBK	C	FR SS/SP		R	C Mn		
		30-40	WK SBK	C	FR SS/SP	F Sap	R	F yel Br		
		40"	2 Chroma							
5 pit	L	0-3	Mo GR	SL	FR NS/NP		Br			0.1 drip
		3-12	WK SBK	SCL	FR SS/SP		R			
		12-18	WK SBK/ABK	C	Fi SS/SP		yel Br	C yel Br		
		18-48	WK ABK	C	Fi S/P	F Sap	yel Br	C/M 2 Chr		

COMMENTS: