Redraw
pd $195.00 (cc)
05-22-13

THE OAKS GROUP, PA

Date: May 21, 2013

To: Iredell County Environmental Health Department

From: Kathleen Saunders, LSS #1313

RE: Lot 1353 The Point Fast Tract Septic Redraw Request

Please accept for submittal the following packet for review under the Fast Track Permitting Program for Iredell County, NC. This packet includes a scaled site plan and system design criteria prepared in conjunction with the Fast Track Program requirements by a Licensed Soil Scientist. It is ultimately the responsibility of the Iredell County Environmental Health Department staff to verify the information contained in this packet prior to issuing a Septic Improvement Permit.

This packet is a redraw of a previously issued permit that is unexpired at this time. Two auger borings were completed to check the current permit's loading rate. The borings showed soils capable of a higher loading rate, however since the original permit's evaluation was done with backhoe pits, soil features may have been encountered during the original evaluation that were not encountered in this evaluation. Therefore, the original loading rate of 0.275 was used for this system design application. Please call me at 704-578-4951 with any questions and to set up a site visit at your convenience.

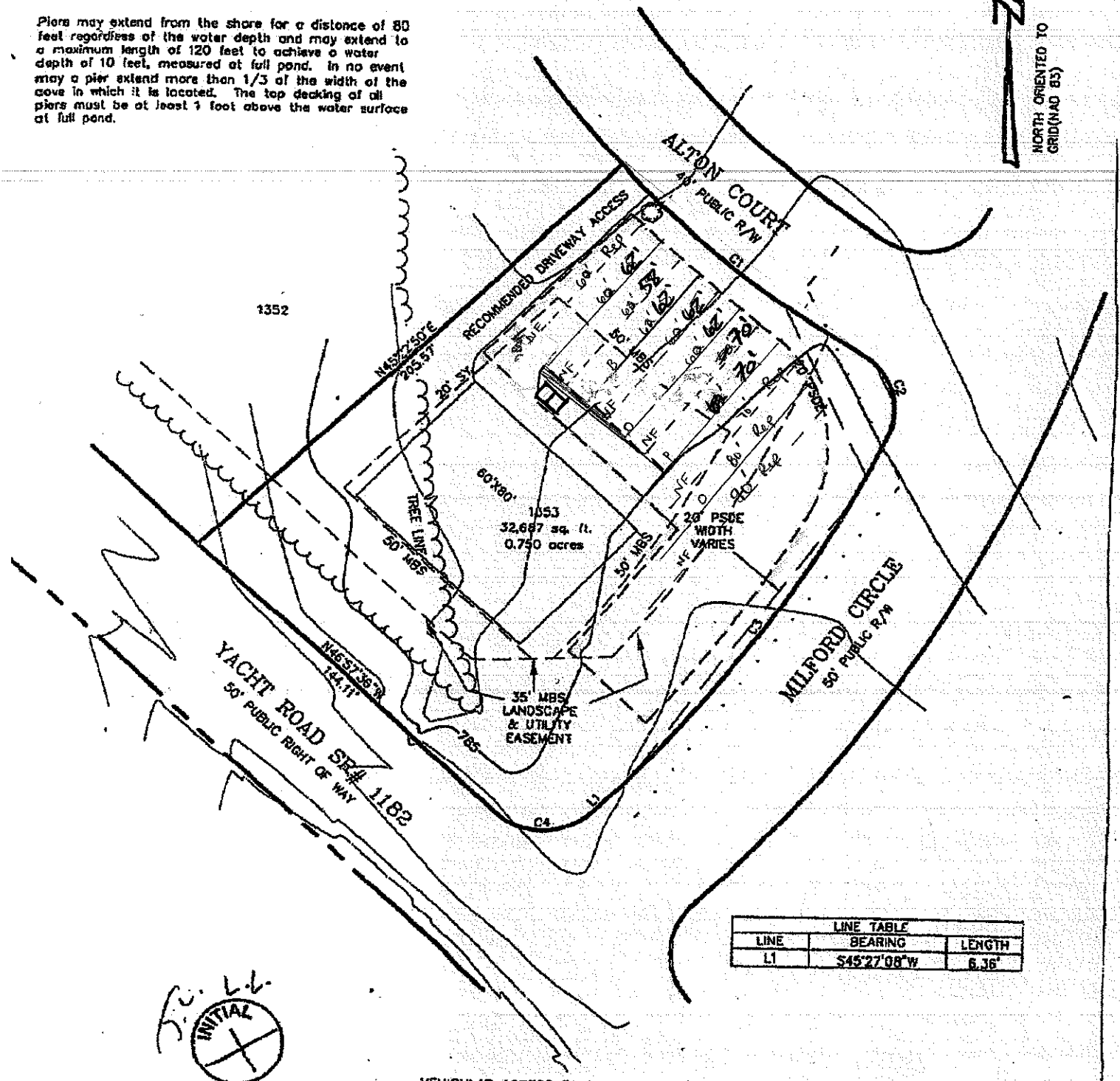
...or to constructing any pier,structure or other improvement ...thin any pier zone shown on this plat, a permit must ...e obtained by the applicable lot owner from Duke Energy Corporation in accordance with the terms of the applicable Lot Purchase and Sale agreement and the Declaration of Covenants,Conditions and Restrictions for The Point."

Piers may extend from the shore for a distance of 80 feet regardless of the water depth and may extend to a maximum length of 120 feet to achieve a water depth of 10 feet, measured at full pond. In no event may a pier extend more than 1/3 of the width of the cove in which it is located. The top decking of all piers must be at least 1 foot above the water surface at full pond.

FPE = FLOOD PROTECTION ELEVATION
PSDE =PERMANENT STORM DRAINAGE EASEMENT
○ = RED MAPLE "AUTUMN FLAME"

THIS PROPERTY SUBJECT TO A 10' FLOOD EASEMENT TO ELEVATION 770' PER DUKE POWER.

NORTH ORIENTED TO GRID(NAD 83)



LINE TABLE		
LINE	BEARING	LENGTH
L1	S45°27'08"W	6.36'

INITIAL

VEHICULAR ACCESS TO YACHT ROAD [SR#1182] SHALL BE PROHIBITED

CURVE TABLE					
CURVE	RADIUS	LENGTH	BEARING	CHORD	DELTA
C1	370.00'	109.37'	S50°58'34"E	108.97'	16°56'10"
C2	25.00'	36.91'	N17°09'13"W	33.64'	84°34'52"
C3	475.00'	168.42'	N35°17'41"E	167.54'	20°18'55"
C4	25.00'	37.73'	N88°41'31"E	34.25'	86°28'46"

BAR SCALE 1"=50'

0 25 50 100

PHASE 13 LOT #1353

Lot 1353 The Point Subdivision Fast Track

Number of Bedrooms	**4**
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	**480**
Primary System LTAR (gpd/ft2)	**0.275**
Primary System Type	**25% Reduction**
No. Lines	7 (See Table)
Total Linear Feet	434
Trench Width	3' min.
Trench Spacing	9' min.
Distribution Device	Distribution Box
Tank Size	1500 gallon tank
Max Trench Bottom Depth (Low Side)	36 inches
Maintenance Agreement Required	No
Repair System	**LP PPBPS**
Total Linear Feet	300
Repair Loading Rate	0.275

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)
1	Repair	NF	LP PPBPS	60
2	System	Red	25% Reduction	62 endfed
3	System	NF	25% Reduction	62 endfed
4	System	Blue	25% Reduction	62 endfed
5	System	NF	25% Reduction	62 endfed
6	System	Orange	25% Reduction	62 endfed
7	System	NF	25% Reduction	62 endfed
8	System	Pink	25% Reduction	62 endfed
9	Repair	NF	LP PPBPS	70
10	Repair	Orange	LP PPBPS	80
11	Repair	NF	LP PPBPS	90
				Total System: 434'
				Total Repair: 300'

Note: Existing system not expired. Utilizing previous LTAR and system/repair lines Measured 0-2% slope across system area; lines laid 9 feet on center. May deviate from contour slightly.

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)	Elevation (Ft.)
1	System	NF	25% Reduction	62 endfed	
2	System	Red	25% Reduction	62 endfed	4.2
3	System	NF	25% Reduction	62 endfed	
4	System	Blue	25% Reduction	62 endfed	
5	System	NF	25% Reduction	62 endfed	
6	System	Orange	25% Reduction	62 endfed	
7	System	NF	25% Reduction	62 endfed	
8	Repair	Pink	LP PPBPS	70	
9	Repair	NF	LP PPBPS	70	
10	Repair	Orange	LP PPBPS	80	
11	Repair	NF	LP PPBPS	80	
				Total System: 434'	
				Total Repair: 300'	

Tank	Red	1500 gal (2 compartment)	5.3
Pump Tank	Red	1500 gal.	5.3
House	Blue		

Manifold Information	
Tap Size (In.)	1/2
Tap Material	SCH 80 PVC
No. Taps	7
Barrel Size (In.)	4
Barrel Material	SCH 80 PVC
Flow (gpm)/Tap	5.5

Note: **Existing permit not expired. Utilizing previous LTAR and system/repair lines Measured 0-2% slope across system area; lines laid 9 feet on center. May deviate from contour slightly.**

Project #:
Property ID #:
County: Iredell

SOIL/SITE EVALUATION

Sheet:
Date Evaluated: 5/20/13

Owner or Client: Ray Tomasco
Proposed Facility: House Design Flow: 480
Location of Site: The Point Lot 1353
Soil Described By: KMS Others Present:
Antecedent Moisture: Weather:

Property Size: 0.75 Ac
Site LTAR: Int. 0.275 Rep. 0.27
Site Classification: PS

Water Supply: [ ] Public [ ] Community [ ] On-Site Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [ ] 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 0-2%	0-10	Wk SBK SCL	FR SS/SP		R Br			0.3
		10-24	Mo SBK C	FR SS/SP		Red			
		24-51	Wk SBK CL	FR SS/SP	C sap	Red			
2	L 0-2%	0-10	Wk SBK SCL	FR SS/SP		R Br			0.3
		10-32	Mo SBK C	FR SS/SP		Red			
		32-50	Wk SBK CL	FR SS/SP	C sap	Red			
3									
4									
5									
6									

OMMENTS: