IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 217028

IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

PIN # 4628-80-7273

APPLICANT: Lake Luxury Homes APPLICANT ADDRESS: 7271 Long Island Road Mooresville, NC 28609

SITE ADDRESS: 135 Waddell Rd. Mooresville, NC 28117 PHONE: 704-578-4957 ALT. PHONE:

SITE DIRECTIONS: Highway 150 West → TR on Waddell Rd → Lot on Left @ top of hill

SUBDIVISION: Waddell Road West SECTION: — LOT # 1 LOT AREA: 2.832 acres DESIGN FLOW: 720 gal/day L.T.A.R.: 0.35

Septic Tank	1500	(gal)	STB 2061-1540	Date	7-14-17	☒ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 6
Pump Tank	—	(gal)	PT —	Date	—	System Description: 25% Reduction (serial distribution)				☐ Business	No. Persons 12
Pump Make	—	Model	—	Serial #	—	Repair System Description: LP-PPBPS (50% reduction)				☐ Other	No. Employees
# Nitrification Fields	1	# Lines	4	Linear Ft:	520	Maintenance Agreement Required:	☐ YES	☒ NO		☐ Slab	☐ Crawl Space
Trench Width	36"	Max. Trench Bottom Depth	24" [low side]	Gravel Depth	—		☒ GRAVITY	☐ PRESSURE		☐ Basement w/plumbing	☐ Basement w/o plumbing

Water Supply: ☐ Private ☑ Public ☐ Community

Comments / Conditions: Recommend pumping septic tank every 3-5 years. If a whole-house ejector pump is used, then a 2nd septic tank of equal size will be required (in a series). Discontinue all additional vehicular traffic across drainfield area.

INITIAL SITE SKETCH

See attached plans by

The Oaks Group [Kathleen Saunders LSS #1313]

Application Date: 3-2-16

Amended/Revised: 3-15-16

APPROVED MAR 18 2016

AS BUILT SKETCH

Installed as shown

Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system. **CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION**

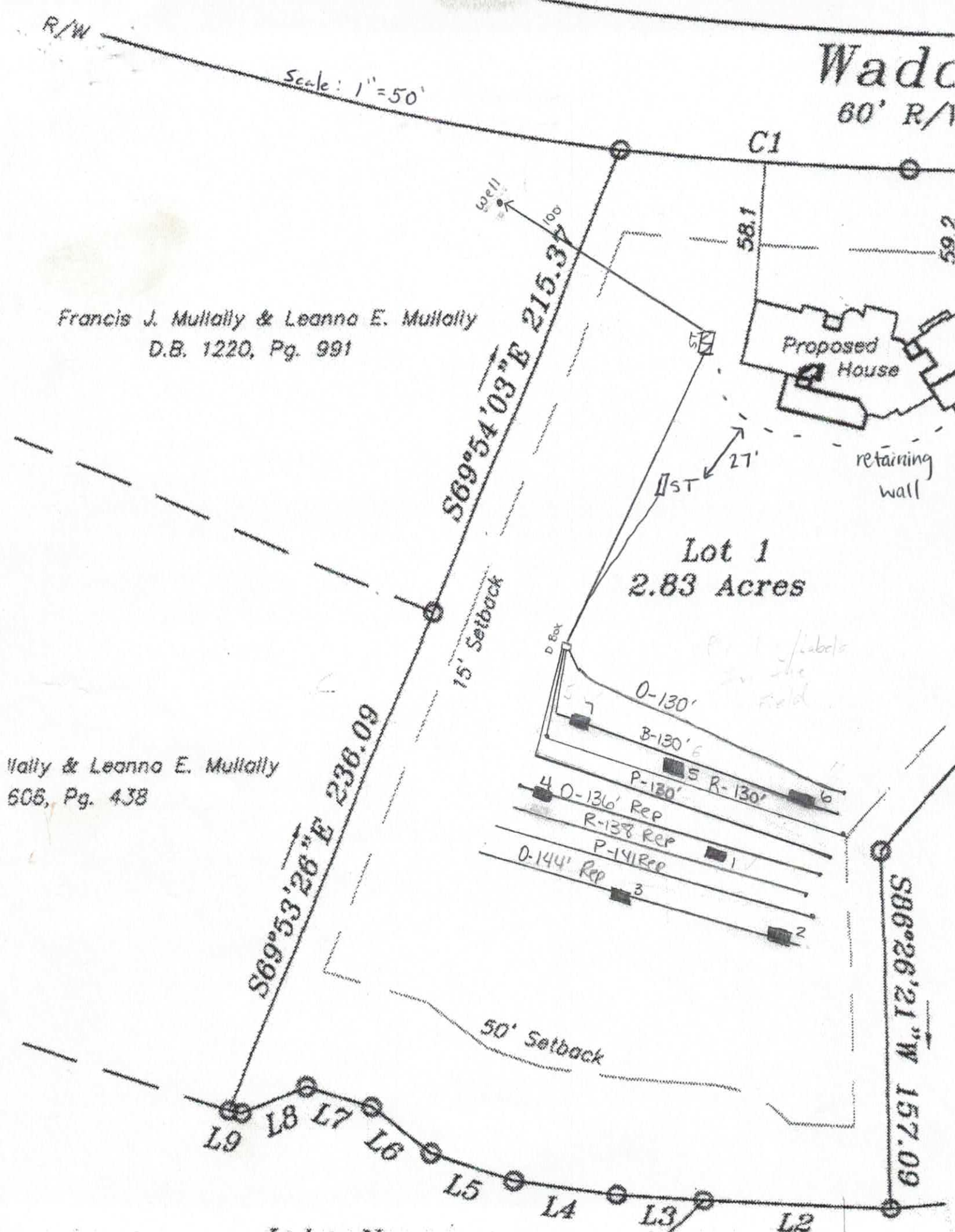
☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☒ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☒ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Erica Dilts Date: 3/21/16 Installed by: Kevin w/ Rowan Septic

IMPROVEMENT PERMIT by: Tom Shuck Date: 3-18-16 OPERATION PERMIT by: Charles Watson Date: 12-15-17

AUTHORIZATION TO CONSTRUCT by: Tom Shuck Date: 3-18-16 Existing System Inspected by: Date:

Health Dept. Copy - WHITE Applicant (Final Approval) - YELLOW Applicant (Conditional Approval) - PINK


R/W
Scale: 1"=50'
Wado
60' R/
C1
well
100
58.1
59.2
Francis J. Mullally & Leanna E. Mullally
D.B. 1220, Pg. 991
S69°54'03"E 215.3
Proposed House
27'
retaining wall
ST
Lot 1
2.83 Acres
D Box
15' Setback
0-130'
B-130'
5 R-130'
6
P-130'
4 O-136' Rep
R-138 Rep
1
P-141 Rep
0-144' Rep
3
2
lally & Leanna E. Mullally
606, Pg. 438
S69°53'26"E 238.09
50' Setback
N 12,92.90S
157.09
L9
L8
L7
L6
L5
L4
L3
L2

THE OAKS GROUP, PA

To: Iredell County Environmental Health Department (ICHD)

From: Kathleen Saunders, LSS

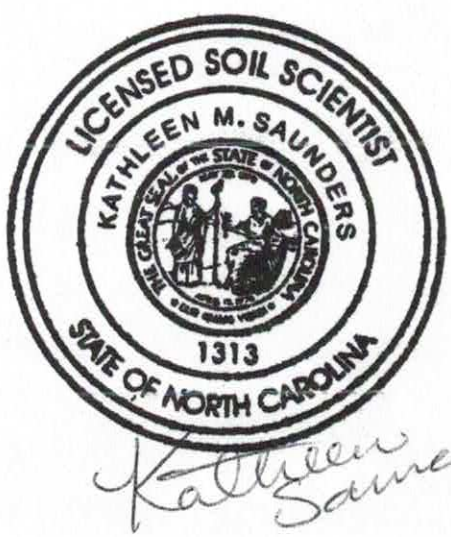
RE: 135 Waddell Road

Date: February 26, 2016

Attached is the septic specification information required to permit 135 Waddell Road for an Improvement Permit and/or Construction Authorization Permit in Iredell County via the Expedited Review Process.

The attached information is not an Improvement Permit or an Authorization to Construct, and is only to assist the ICHD with permitting. The ICHD has to approve each lot and only the ICHD can issue these permits. The system should be installed according to the ICHD permits, policies, and NC Rules, which these specifications are in accordance with. If the ICHD wishes to change tank locations, distribution devices, etc they may do so at their discretion.

All information and specifications have been prepared in conjunction with ICHD permitting guidelines for the current lot owners to acquire an Improvement Permit and/or Authorization to Construct on this lot. It is ultimately the ICHD's responsibility to verify all specifications, including soil descriptions, before permitting and/or septic system installation.



Kathleen Saunders

135 Waddell Rd Fast Track - The Oaks Group, PA

Number of Bedrooms	**6**
Basement or Crawl	**Basement with Plumbing**
Design Flow (gpd)	**720**
Primary System LTAR (gpd/ft2)	**0.35**
Primary System Type	**25% Reduction**
No. Lines	4 (See Table)
Total Linear Feet	520
Trench Width	3' min.
Trench Spacing	9' min.
Distribution Device	Drop Boxes or Other
Tank Size	1500 gallon tank
Max Trench Bottom Depth	24"
Maintenance Agreement Required	No
Repair System	**25% Reduction System**
Total Linear Feet	559
Repair Loading Rate	0.35

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)
1	**System**	**Orange**	**25% Reduction**	**130 endfed**
2	**System**	**Blue**	**25% Reduction**	**130 endfed**
3	**System**	**Red**	**25% Reduction**	**130 endfed**
4	**System**	**Pink**	**25% Reduction**	**130 endfed**
5	Repair	Orange	LP PPBPS	136
6	Repair	Red	LP PPBPS	138
7	Repair	Pink	LP PPBPS	141
8	Repair	Orange	LP PPBPS	144
				Total System: 520'.
				Total Repair: 559'

APPROVED MAR 17 2016

Note: Tank and distribution device locations can be altered at the discretion of ICHD. Keep proper setbacks if foundation drains are used

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 1
Property ID: 135
Lot #: 1
File #:
AppID:

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Lake Luxury Homes
Address: 135 Waddell
Proposed Facility: SFR Design Flow (.1949) 720
Location of Site: 135 Waddell Rd

Applicant:
Date Evaluated: 2/11
Property Size: 2.83
Property Recorded:

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

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	L 25-30%	0-4	MO GR SL	FR ns/np	Br				0.35
		4-25	WK SBK CL	FR ss/sp	R; C Sap				
		25-60	MA L/SL Sap	↓	Br/Multi				
2	L	0-9	MO GR SL	FR ns/np	Br				0.35
		9-30	WK SBK CL	FR ss/sp	Br; C sap				
		30-60	MA L Sap	FR ss/sp	Br				
3	L	0-12	MO GR SL	FR ns/np	Br				0.35
		12-36	MO SBK CL	FR ss/sp	R C Sap				
		36-55	MA SL Sap	↓	R				
4	L	0-9	MO GR SL	FR ns/np	Br				0.35
		9-32	MO SBK CL	FR ss/sp	R				
		32-51	WK SBK CL	↓	R C Sap				
		51-60	MA SL Sap	↓	R				

Description	Initial System	Repair System
Available Space (.1945)		
System Type(s)	25% Red	25% Red
Site LTAR	0.35	0.35

Other Factors (.1946):
Soil Evaluation By: KMS
Others Present: ELH
Site Classification (.1948):
Site Evaluation By: KMS
Others Present: ELH

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 2
Property ID: 135
Lot #: 1
File #:
AppID:

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Lake Luxury Homes
Address: 135 Woodell
Proposed Facility: SFR
Design Flow (.1949)
Location of Site:

Applicant:
Date Evaluated: 2/11
Property Size: 2.83
Property Recorded:

Water Supply: [ ] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [ ] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 Structure/ Texture	SOIL MORPHOLOGY .1941 Consistence Mineralogy	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
5	L	0-15	mo GR SL	FR ns/np	Br				0.35
		15-22	mo SBK CL	FR ss/sp	R				
		22-33	wk SBK CL		R C sap				
		33-60	MA L Sap	↓	R				
6	L	0-16	Mo GR SL	FR ns/np	Br				0.35
		16-44	WK SBK CL	FR ss/sp	R Br; C sap				
		44-60	MA L Sap	↓	Br				
7	L	0-6	mo GR SL	FR ns/np	Br				0.35
		6-19	WK SBK CL	FR ss/sp	R, C Sap				
		18-65	MA L/SL Sap	FR ss/sp	Br				

Description	Initial System	Repair System
Available Space (.1945)		
System Type(s)	25% Red	25% Red
Site LTAR	0.35	0.35

Other Factors (.1946):
Soil Evaluation By: KMS
Others Present: ELH
Site Classification (.1948):
Site Evaluation By: KMS
Others Present: ELH

DHHS

ON-SITE WASTEWATER SECTION

Sheet ____ of ____
PROPERTY ID #: ____
COUNTY: ____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Lake Luxury Homes — APPLICATION DATE 3-2-16
ADDRESS: 7271 Long Island Rd Disneyland, USA 28609 — DATE EVALUATED: 3-11-16
PROPOSED FACILITY: 6 BR House — PROPOSED DESIGN FLOW (.1949): 720 gal/day — PROPERTY SIZE: 2.83 acres
LOCATION OF SITE: 135 Waddell Rd. Mooresville, NC — PROPERTY RECORDED: Yes
WATER SUPPLY: ☒ Private ☐ Public ☐ Well ☐ Spring ☐ Other ____
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut — TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
5a (1 per LCS drawing)	25-30% side slope Primary	5-13	weak SBK clay → clay loam	slightly firm, SS, Sp, Sap	many SAP inclusions 18"-28"	28"	—	—	0.35 → 0.375
		13-28	med SBK clay loam	slightly friable, SS, Sp, Sap					
		28-60	mass.ve loamy saprolite	Friable + well drained					
		0-5"	Loam weak SBK	Loose + Friable, SS, Sp, Sap					
"8" Bottom left corner	25-30% side slope Repair	0-6	Sandy loam weak slightly SBK	Friable, SS, Sp, Sap	many SAP inclusions —	28"	—	—	0.35
		6-24	clay loam moderate/weak SBK	Friable, SS, Sp, Sap					
		24-60	massive Loamy Saprolite	moderately drained + Friable					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)	25% Reduction	25% Reduction
Site LTAR	0.35	0.35

OTHER FACTORS (.1946): ____
SITE CLASSIFICATION (.1948): RS
EVALUATED BY: Tom Shuck
OTHER(S) PRESENT: ____

COMMENTS: ____

RECEIVED MAR 2 - 2016

IREDELL COUNTY HEALTH DEPARTMENT

Paid $350.00 #217028

ENVIRONMENTAL HEALTH DIVISION

PAGE 1: *APPLICATION FORM*

Application For:
(X) Septic Improvement Permit
(X) New Well Permit
(X) Authorization to Construct
( ) Well Repair Permit
( ) Existing System Inspection
( ) Well Abandonment
( ) Septic System Repai

THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITI IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTEI APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS

Page 2: *Site Plan Worksheet* form MUST accompany this application

The following optional attachments may also be submitted:
Place an (X) beside whichever is submitted if applicable
(X) Survey Plat, scaled no more than 1 inch = 60 feet
( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

contact Kathleen Saunders (704) 578-4951

Applicant Information:

Applicant Name: Lake Luxury Homes LLC **Address:** 7271 Long Island Rd 28609 **Phone:** 704-516-234

Owner Name: Same **Address:** _____ **Phone:** _____

Property Information:

Street Address: 135 Waddell Rd

Subdivision Name: Waddell Road W **Section/Phase:** _____ **Lot Number:** 1

Driving Directions: Hwy 150, Right on Waddell, Lot on left

Site Development Information: *(check or complete ALL that apply)*

(X) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition

Maximum Number of Bedrooms: 6
Maximum Number of Occupants: 12
( ) Swimming Pool
( ) Other Addition/Structure: _____

( ) Crawl Space Foundation
( ) Concrete Slab Foundation
(X) Basement with Plumbing
( ) Basement without Plumbin

Non-Residential Site Development:
Type of Business: _____
Square Footage of Building: _____
Maximum Number of Employee: _____
Maximum Number of Seats/Beds/Other: _____

Water Supply:

(X) New Well ( ) Existing Well ( ) Community Well ( ) City Water ( ) Other Public Water

Desired Septic System Type: *(you may rank in order of preference)*
Year existing system installed: _____
( ) No Preference ( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other: _____

Please answer the following to the best of your ability:

( ) Yes (X) No **Does the site contain any jurisdictional wetlands?**
( ) Yes (X) No **Is any non-domestic sewage (i.e. industrial) to be generated?**
( ) Yes (X) No **Is the site subject to approval by any other public agency?**

I have read this application and certify that the information provided herein is true, complete, and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed.

Signature: Emma Helt
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

3/2/16
DATE

AUTHORIZATION TO ACT AS AGENT FOR OWNER

Any application/document/permit requiring a signature must be signed by the property owner or their authorized agent. This form shall be provided by the owner to allow specified individuals to act as agents for the owner. This form allows the specified individuals to sign or receive any application/document/permit on behalf of the owner. This form allows the authorized agent to make decisions on behalf of the owner pertaining to modifications of permits in the field. It is the responsibility of the owner to assure that any/all permit conditions specified on permits issued by this Division are followed.

I, Ray Short, am the legal owner of the property located at 135 Waddell Rd, identified as PIN(Parcel Identification Number) 4628 80 7273, located in Iredell County, North Carolina.

I do hereby authorize (print authorized agent/company name) The Oaks Group, PA, _____, _____, _____, _____, to act as an agent on my behalf in applying for/signing/obtaining any of the documents described below.

1. Improvement Permit (IP)/ Authorization to Construct (AC).
2. Application for soil-site evaluation (new/repair).
3. Application/permit for water well/well abandonment.
4. Application for existing system.
5. Application for Improvement Permit (IP)/ Authorization to Construct (AC).

I agree to abide by any and all decisions and/or conditions between the agent acting on my behalf and the Iredell County Department of Public Health, Environmental Health Division. This form must be fully executed before the individual's specified above will be recognized as the authorized agent.

[signature] 3/2/16
Signature of Owner Date

Kathleen Sandra 3/2/16
Signature of Witness Date

Ronda Hart

From: Kathleen Saunders <kathleenmsaunders@gmail.com>
Sent: Friday, March 4, 2016 8:04 AM
To: Ronda Hart
Subject: Re: Waddell Road Lot 1 AC
Attachments: Yorkgate.pdf

Please see attached. The plans are for a 5 bedroom (one labeled bonus room) but Ray requested a six bedroom permit.

Kat

On Thu, Mar 3, 2016 at 10:45 AM, Kathleen Saunders <kathleenmsaunders@gmail.com> wrote:
Yes, sorry that was my mistake. I'll get them to you ASAP

Sent from my iPhone

On Mar 3, 2016, at 10:14 AM, Ronda Hart <ronda.hart@co.iredell.nc.us> wrote:

> The application Emma turned in yesterday had AC marked, but I don't see floor plans. Will you be submitting them?

Ronda Hart

<image001.jpg>

Environmental Health

610 E. Center Avenue

Mooresville, NC 28115

704-660-3625

Fax 704-662-3239

IREDELL COUNTY HEALTH DEPARTMENT *ENVIRONMENTAL HEALTH DIVISION:*

SITE PLAN WORKSHEET

SEE THE "SAMPLE SITE PLAN" BELOW. ***INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU FOR COMPLETION AND MAY RESULT IN A DELAY IN THE ISSUANCE OF YOUR SEPTIC SYSTEM PERMIT!!!***

Place an (X) beside each item as you complete the site plan:

X Property Line measurements are clearly identified...

X All proposed structures are indicated...

SHOW: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site

X Front and side setbacks from property line...

X Area you prefer your septic system to be placed...

X Preferred driveway location and configuration, preferred well location...

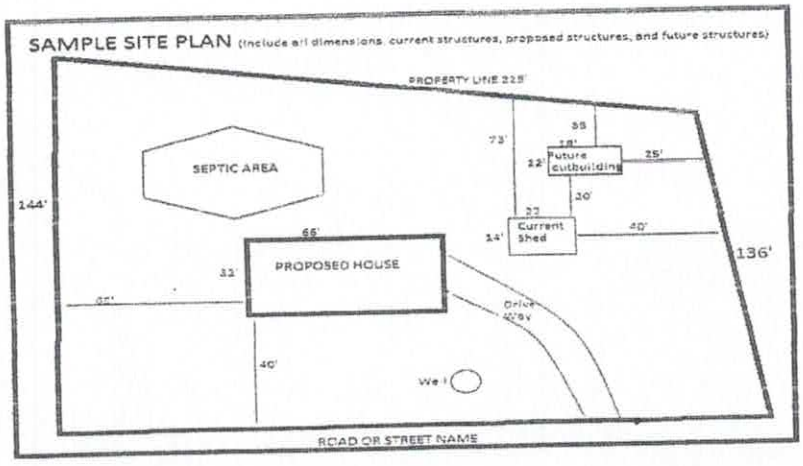
X North arrow, or other sufficient indicator of direction...

Circle N/A on the following if appropriate:

__ __Location of septic systems and wells within 100' of your property... (N/A)

____ Location of easements and rights of ways on your property... (N/A)

___ ___ Location of any designated wetlands on the property... (N/A)



USE THIS SPACE TO DRAW YOUR SITE PLAN

Please see attached site plan

Signature: Emma Hall

REQUIRED property owner or owner's legal representative signature.

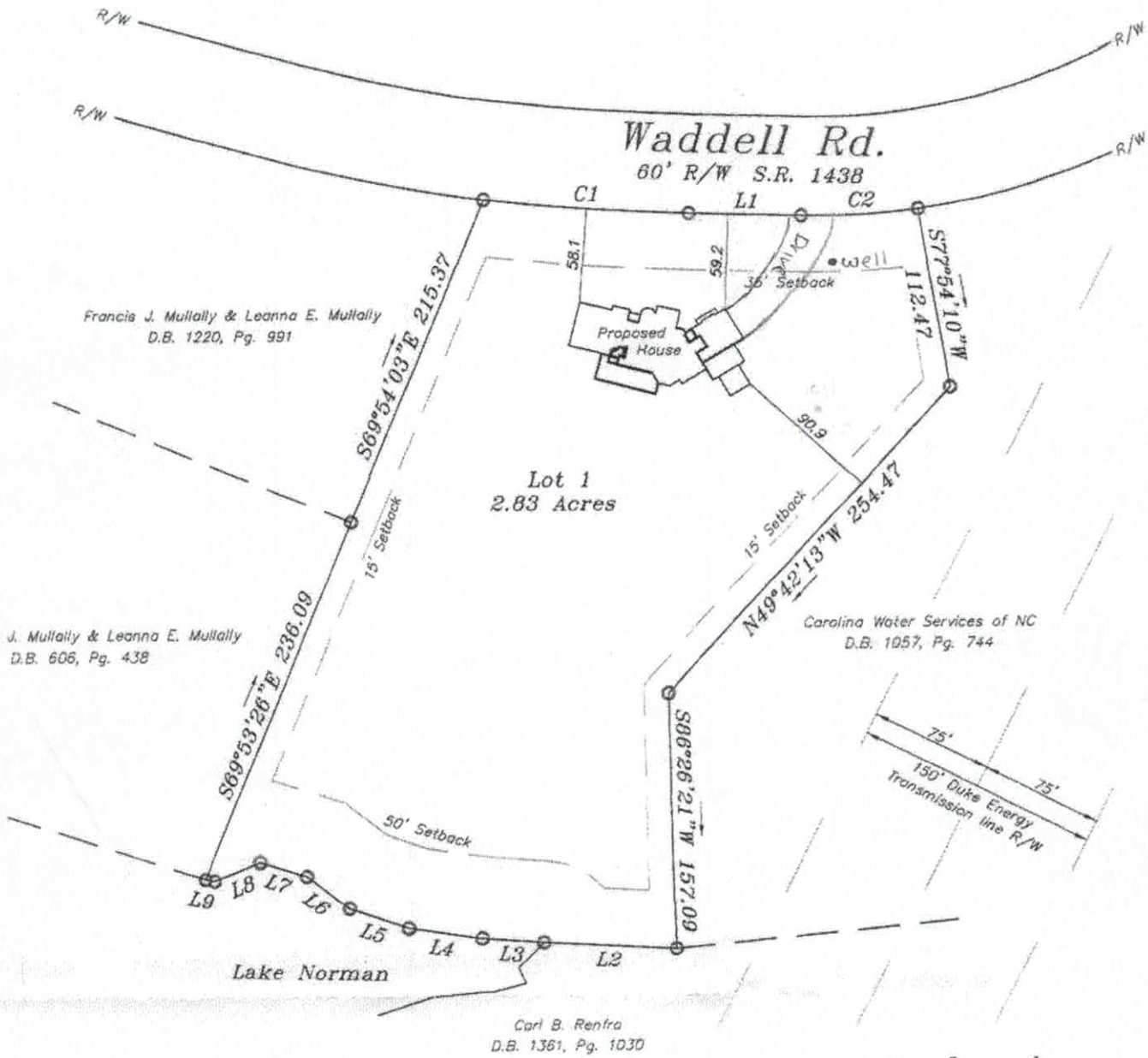
3/2/16

DATE

CURVE TABLE				
CURVE	LENGTH	RADIUS	BEARING	CHORD
C1	126.55	1474.72	S86°04'37"E	126.51
C2	70.84	446.24	N86°50'38"E	70.77

LINE TABLE		
LINE	LENGTH	BEARING
L1	68.25	N00°39'27"W
L2	81.46	N00°57'15"E
L3	37.92	N02°06'39"E
L4	45.34	N05°58'37"E
L5	37.93	N16°38'34"E
L6	32.34	N35°34'01"E
L7	29.92	N15°14'21"E
L8	30.16	N24°14'05"W
L9	5.81	N09°40'35"E

P.B. 49, Pg. 20



Notes:

1) This property may be subject to any Easements, Rights-of-way, and/or Restrictive Covenants.

2) Boundary information based on Plat Book 49, Page 20 as recorded in the Iredell County Register of Deeds.

4) Area by coordinate method.

GRAPHIC SCALE

100 0 50 100 200

(IN FEET)

1 inch = 100 ft.

Legend

R/W = Right-of-way

—∿— = Not to scale

I.P.S. = #4 Rebar Set

B.O.C. = Back of Curb

⊡ = Telephone Pedestal

= Utility Pole

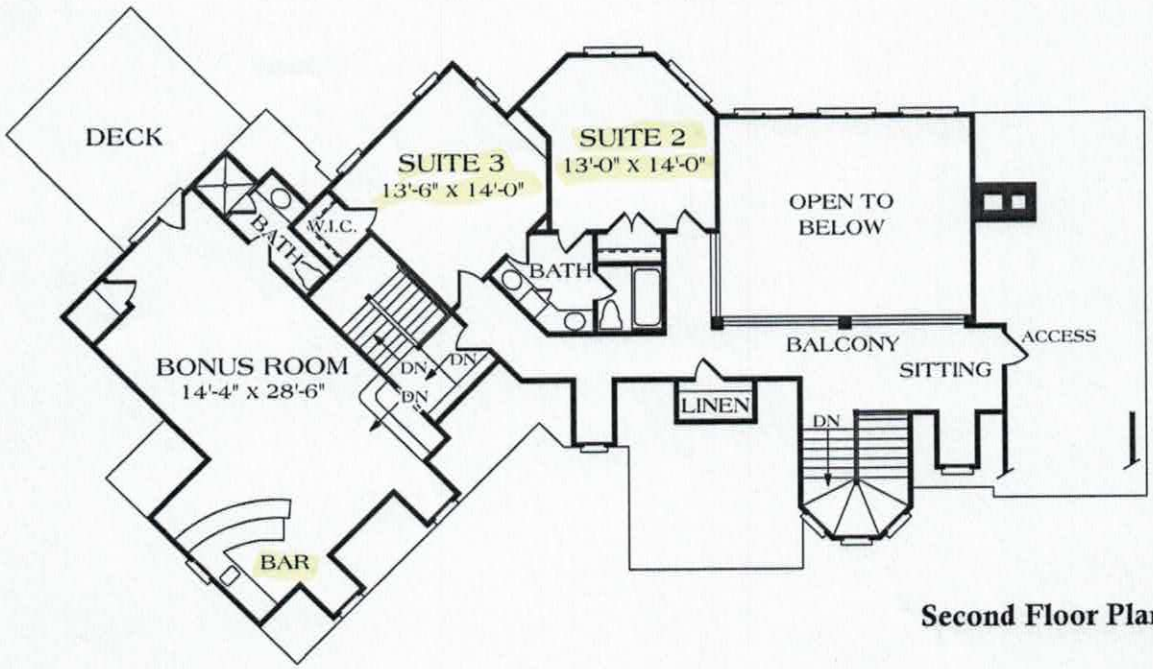
= Guy Wire

= Light

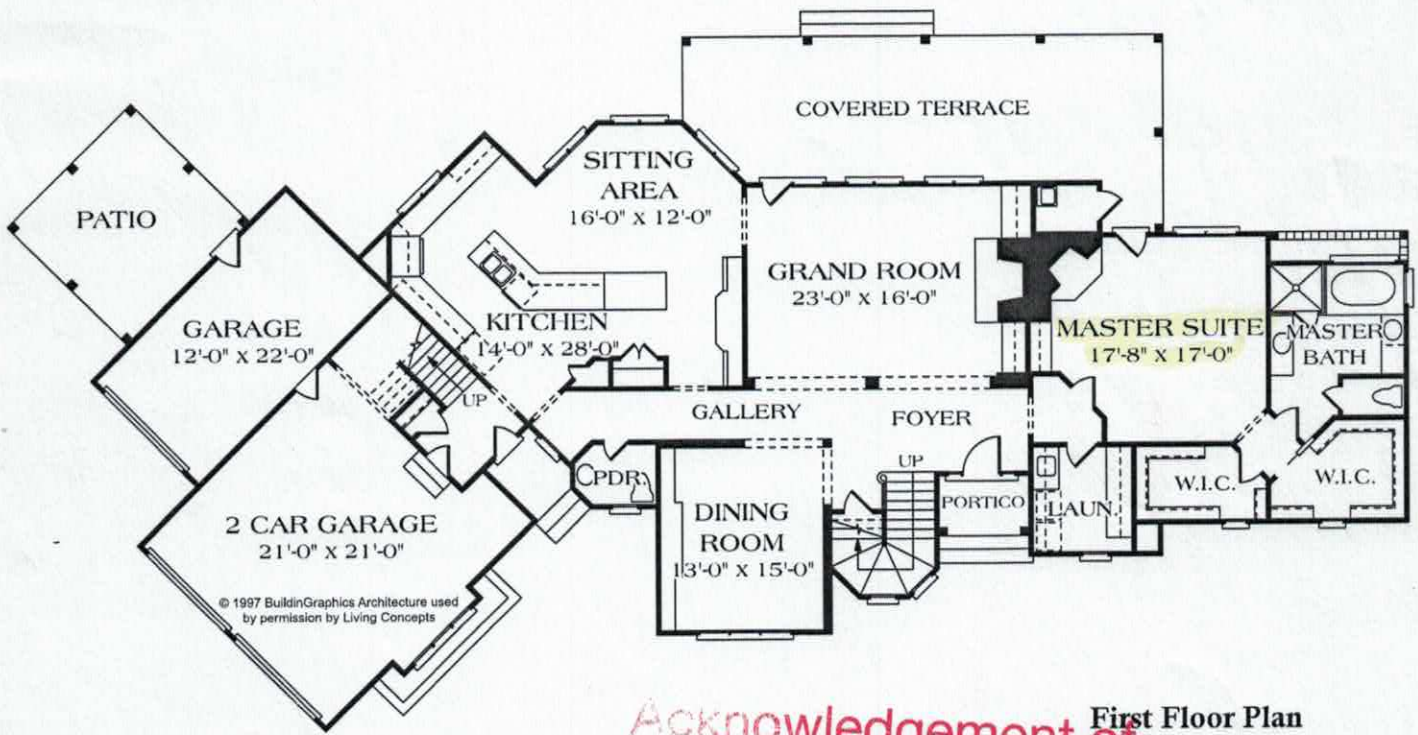
= Catch Basin

Yorkgate

D-3217



Second Floor Plan



© 1997 BuildinGraphics Architecture used by permission by Living Concepts

First Floor Plan

Acknowledgement of
Plans Submittal ONLY!
Date 3-1-16
Date 3-2-16

PLAN SPECIFICATIONS

First Floor	2,391	Sq.Ft.	**Bedrooms**	3
Second Floor	1,071	Sq.Ft.	**Baths**	3.5
TOTAL	3,462	Sq.Ft.	**Width**	113'-7"
Bonus Room	609	Sq.Ft.	**Depth**	57'-5"
Garage	769	Sq.Ft.	**Foundation**	Crawlspace
			Price Code	D

living concepts
Home plans by Frank Snodgrass
7400 Carmel Executive Park, Suite 150-B
Charlotte North Carolina 28226
Telephone: (704) 541-5917 Fax: (704) 542-1499
Website: www.livingconcepts.com

IREDELL COUNTY

PO Box 788
349 North Center St.
Statesville, NC 28677

APPLICATION NUMBER
217028
Issue Date: 03/02/2016

ZONING PERMIT

Open Space

Parcel Number	Street Address	Jurisdiction
4628807273.000	135 WADDELL ROAD, MOORESVILLE, NC	IREDELL COUNTY

Owner Information	Applicant Information
Owner: LAKE LUXURY HOMES LLC	Applicant: OAKS GROUP
Address: 7271 LONG ISLAND ROAD MOORESVILLE, NC 28609	Address: 121 HOLT LN MOORESVILLE, NC 28117
Phone:	Phone: 704-578-4951

Use Requested	Zone Code
SFD	RR

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
2.832	35.00	50.00	15.00	15.00	CACL	AE

Remarks:

The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. The applicant further acknowledges that enforcement of deed restrictions, plat conditions and other contractual agreements will not be undertaken by Iredell County and is the sole responsibility of the affected parties.

Applicant: Kathleen Saunders Date: 3/2/16

Permit Number	61710	TOTAL FEES:	$ 77.25