IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 209648

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

PIN # 4628-90-2342 2309

APPLICANT: LAKE LUXURY HOMES APPLICANT ADDRESS: 7271 LONG ISLAND RD. CATAWBA

SITE ADDRESS: 144 WADDELL RD. Mrsvl. PHONE: 704-516-2344 ALT. PHONE:

SITE DIRECTIONS: 150, TR WADDELL, ON R

SUBDIVISION: HERMANCE RD. WEST SECTION: — LOT # 2 LOT AREA: 2.37AC DESIGN FLOW: 480 L.T.A.R.: .2 (.2)

Septic Tank 1000 (gal) STB 825 Date 8/9/16
Pump Tank (gal) PT Date
Pump Make Model Serial #
Nitrification Fields 1 # Lines 5 Linear Ft: 600'
Trench Width 36" Max. Trench Bottom Depth 27" LowSide Gravel Depth —

☒ New System ☐ Repair ☐ Expansion System Type: I II (III) IV V VI
System Description: 25% REDUCTION
Repair System Description: PANEL BLOCK
Maintenance Agreement Required: ☐ YES ☒ NO
☒ GRAVITY ☐ PRESSURE

☒ Residence No. Bedrooms 4
☐ Business No. Persons 8
☐ Other No. Employees
☐ Slab ☐ Crawl Space
☒ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply
☒ ~~Private~~
☒ Public
☐ Community

Comments / Conditions: * NO DRAIN AROUND RETAINING WALL *

INITIAL SITE SKETCH

SEE PLAN FROM THE OAKS GROUP

AS BUILT SKETCH

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: Date: 9/16/16 Installed by: Rowan Septic Tank

IMPROVEMENT PERMIT by: APPROVED AUG 15 2016 Date:

AUTHORIZATION TO CONSTRUCT by: APPROVED AUG 15 2016 Date:

OPERATION PERMIT by: Date: 11/16/16

Existing System Inspected by: Date:

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

Waddell Rd.
S.R. 1438
60' R/W

Lot 2
103,285 Sq.Ft.
2.37 Acres

S76°56'17"E 229.44

S02°07'22"E 358.17

S58°42'09"W 101.50

S88°30'80"W 183.94

N12°59'00"E 101.37 Total

N00°40'46"W 68.18

Old Lot Line

Foundation

Retaining Wall

Fill Line

Orange

C1 C2 C3 C4 C5 C6 C7

#4 Rebar Found Flush

#4 Rebar Found 0.3' Tall Control Corner

Control Corner #4 Rebar Found Flush

35' Setback

36.0

38.8

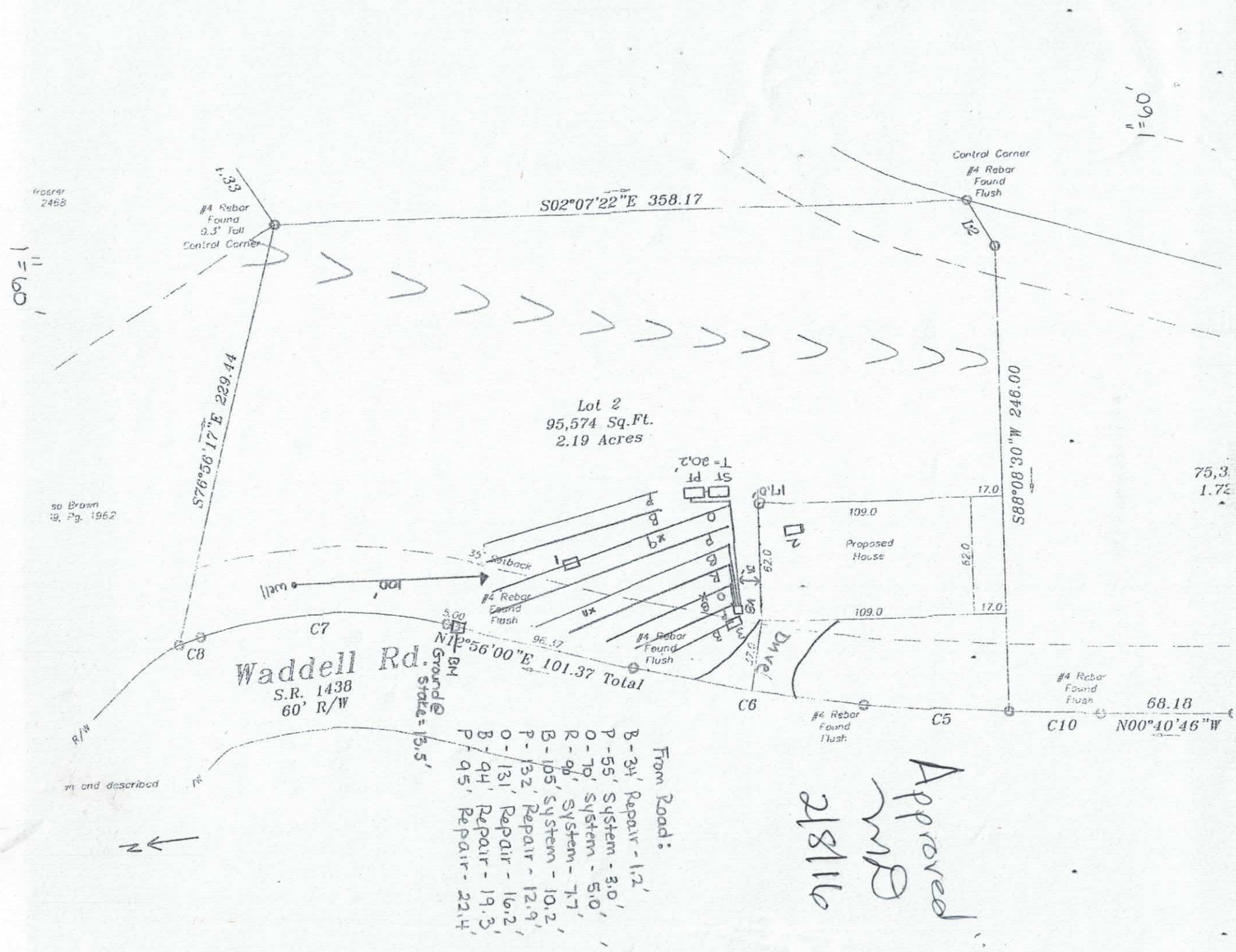
37.2

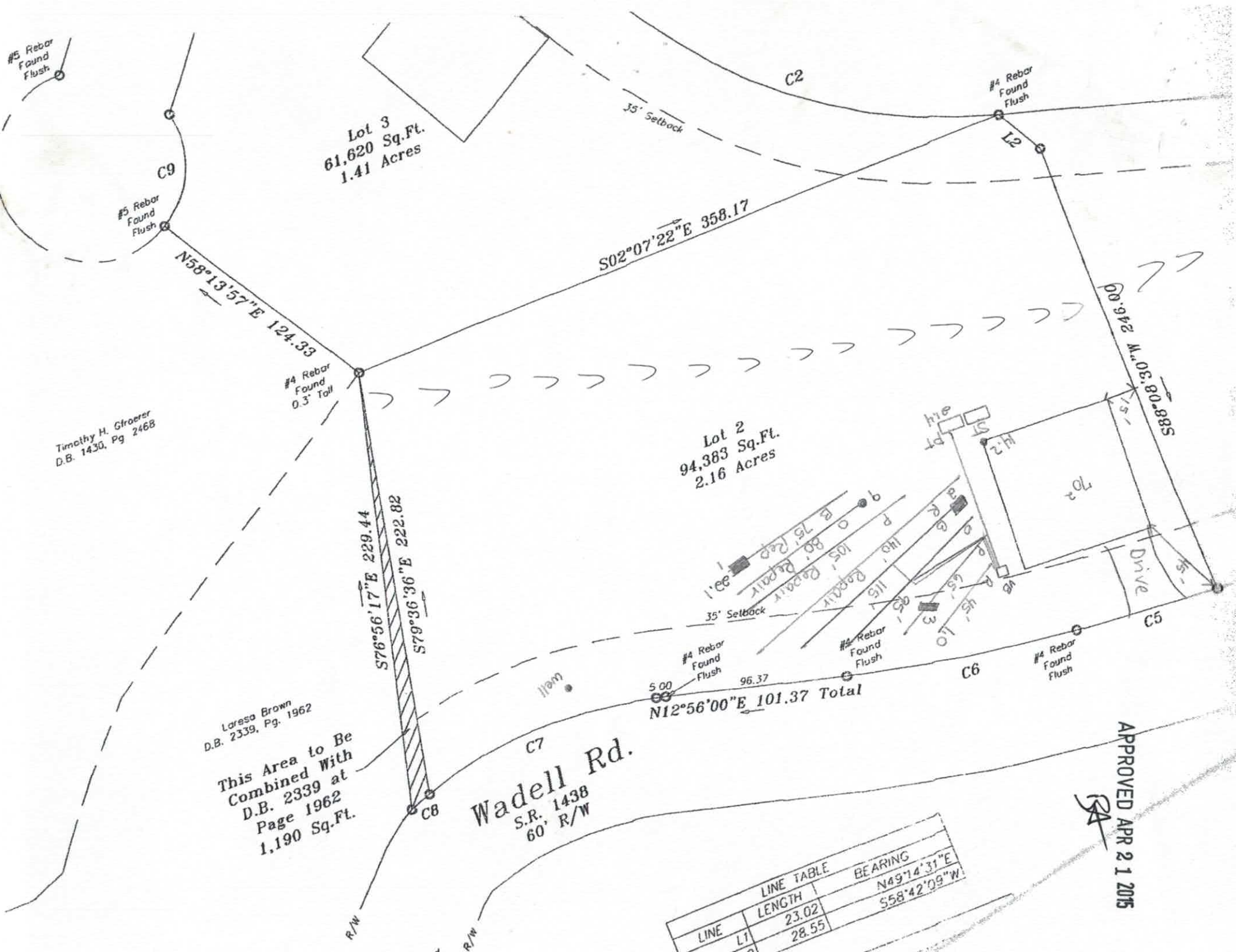
16.0

APPROVED AUG 15 2016

From Road
B-32', -1.2'
P-44', -3.0'
O-53', -5.0'
R-71', -7.7'
B-83', -10.2', System
P-115', -12.9', System
O-130', -16.2', System
B-117', -19.3', System
P-155', -22.4', System
O-146', -25.36
B-90', -28.65

Lc
67,60
1.55


1" = 60'
1" = 60'
Control Corner
#4 Rebar
Found
Flush
S02°07'22"E 358.17
#4 Rebar
Found
0.3' Tall
Control Corner
1.33
S76°56'17"E 229.44
Lot 2
95,574 Sq.Ft.
2.19 Acres
N00°40'46"W 246.00
S88°08'
Proposed
House
109.0
109.0
17.0
17.0
62.0
62.0
35' Setback
#4 Rebar
Found
Flush
#4 Rebar
Found
Flush
#4 Rebar
Found
Flush
#4 Rebar
Found
Flush
#4 Rebar
Found
Flush
ST PI
T= 30.2'
Drive
C5
C6
C7
C8
C10
N11°56'00"E 101.37 Total
96.37
68.18
N00°40'46"W
Waddell Rd.
S.R. 1438
60' R/W
Ground
State = 13.5'
BM
From Road:
B - 34', Repair - 1.2'
P - 55', System - 3.0'
O - 79', System - 5.0'
R - 96', System - 7.7'
B - 105', System - 10.2'
P - 132', Repair - 12.9'
O - 131', Repair - 16.2'
B - 94', Repair - 19.3'
P - 95', Repair - 22.4'
Approved
2/8/16
N


#5 Rebar Found Flush
#5 Rebar Found Flush
C9
C2
#4 Rebar Found Flush
L2
35' Setback
Lot 3
61,620 Sq.Ft.
1.41 Acres
N58°13'57"E 124.33
S02°07'22"E 358.17
S88°08'30"W 246.00
#4 Rebar Found 0.3' Tall
Timothy H. Stroerer
D.B. 1430, Pg 2468
Lot 2
94,383 Sq.Ft.
2.16 Acres
S76°56'17"E 229.44
S79°36'36"E 222.82
35' Setback
#4 Rebar Found Flush
#4 Rebar Found Flush
#4 Rebar Found Flush
5.00
96.37
N12°56'00"E 101.37 Total
C5
C6
C7
C8
Drive
Laresa Brown
D.B. 2339, Pg. 1962
This Area to Be Combined With D.B. 2339 at Page 1962 1,190 Sq.Ft.
Wadell Rd.
S.R. 1438
60' R/W
R/W
R/W
LINE TABLE
LINE | LENGTH | BEARING
L1 | 23.02 | N49°14'31"E
L2 | 28.55 | S58°42'09"W
APPROVED APR 21 2015

THE OAKS GROUP, PA

To: Iredell County Environmental Health Department (ICHD)

From: Kathleen Saunders, LSS

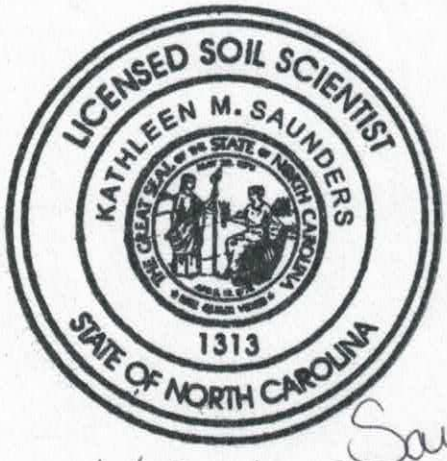
RE: 144 Waddell Road

Date: August 8, 2016

Attached is the septic specification information required to permit 144 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

APPROVED AUG 15 2016

BA

Hermance West Lot 2 Fast Track - The Oaks Group, PA

Number of Bedrooms	**4**
Basement or Crawl	**Basement with Plumbing**
Design Flow (gpd)	**480**
Primary System LTAR (gpd/ft2)	**0.2**
Primary System Type	**25% Reduction**
No. Lines	5 (See Table)
Total Linear Feet	600
Trench Width	3' min.
Trench Spacing	9' min.
Distribution Device	Drop Boxes
Tank Size	1000 gallon tank
Max Trench Bottom Depth (Low Side)	27" ~~36"~~
Maintenance Agreement Required	No
Repair System	**LP PPBPS**
Total Linear Feet	436
Repair Loading Rate	0.2

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)
1	Repair	Blue	LP PPBPS	32
2	Repair	Pink	LP PPBPS	44
3	Repair	Orange	LP PPBPS	53
4	Repair	Red	LP PPBPS	71
5	System	Blue	25% Reduction	83 endfed
6	System	Pink	25% Reduction	115 endfed
7	System	Orange	25% Reduction	130 endfed
8	System	Blue	25% Reduction	117 endfed
9	System	Pink	25% Reduction	155 endfed
10	Repair	Orange	LP PPBPS	146
11	Repair	Blue	LP PPBPS	90
				Total System: 600'
				Total Repair: 436'

Note: Keep proper setbacks to foundation drains
Distribution devices and tank locations can be altered at ICHD's discretion

APPROVED AUG 15 2016

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

Sheet 1 of 2
PROPERTY ID #: 4628 90 1493
COUNTY: Iredell

SOIL/SITE EVALUATION
for **ON-SITE WASTEWATER SYSTEM**
(Complete all fields in full)

OWNER: Lake Luxury Homes
ADDRESS: 144 Waddell Rd Mooresville
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 480
LOCATION OF SITE: Lot 2
APPLICATION DATE: 8/8/2016
DATE EVALUATED: 8/4/2016
PROPERTY SIZE: 2.37
PROPERTY RECORDED: 2016

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	
pit 3	L	0-7	mo GR SL	FR ns/np	Br				
		7-28	mo SBK C	FR ss/sp	R; F Sap				
		28-50	WK SBK SCL	↓	R; C/M Sap	50"+	N/A	N/A	0.25
pit 1	L	0-12	mo GR SL	FR ns/np	DK Br				
		12-18	WK SBK SL	FR ss/sp	Br				
		18-30	mo SBK C	Fi s/p	Red	50+	N/A	N/A	0.2
		30-39	WK SBK C	Fi s/p	Red; F/C Sap; Fyel Br				
		39-50	WK SBK SCL	FR ss/sp	Red; pockets of Sap				
pit 5	L	0-7	mo GR SL	FR ns/np	Br				
		7-24	mo ABK C	FR ss/sp	R				
		24-53	MA Sap SL	↓	R; Finc C	24"	PS	N/A	0.2
			* Rock in one wall						
A AH	L 25%	0-10	mo GR SL	FR ss/np	Lt Br				
		10-35	mo SBK SC	Fi s/p	R; Fyel/Br				
		35-55	WK SBK SCL	FR ss/sp	R; C Sap	55"	PS	N/A	0.25
		55-60	MA SL Sap	FR ns/np	Multi				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	25% Reduction	LPP PBPS
Site LTAR	0.2	0.2

OTHER FACTORS (.1946): N/A
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: KMS
OTHER(S) PRESENT: ELH

COMMENTS:

APPROVED AUG 15 2016

SA

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #: 4628901493
COUNTY: Iredell

SOIL/SITE EVALUATION
for **ON-SITE WASTEWATER SYSTEM**
(Complete all fields in full)

OWNER: Lake Luxury Homes
ADDRESS: 144 Waddell Rd Mooresville
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 480
LOCATION OF SITE: Lot 2

APPLICATION DATE: 8/8/2016
DATE EVALUATED: 8/4/2016
PROPERTY SIZE: 2.37
PROPERTY RECORDED: 2016

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) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
B AH	L 25%	0-6	MO GR SL	FR ns/np	Lt Br Ri F Sap	53"	PS	N/A	0.25
		6-33	MO SBK SC	Fi S/P					
		33-53	WK SBK SCL	FR SS/SP	R; C Sap				
		53-60	MA. SL Sap	FR ns/np	yel R				
9 AH	L	0-6	MO GR SL	FR ns/np	Br	52"+	N/A	N/A	0.3
		6-18	WK SBK SCL	FR SS/SP	Lt Red Ri F Sap				
		18-36	MO SBK C	↓					
		36-52	WK SBK CL		R; C Sap				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	25% Reduction	LP PPBPS
Site LTAR	0.2	0.2

OTHER FACTORS (.1946): N/A
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: KMS
OTHER(S) PRESENT: ELH

COMMENTS:

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

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

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Ray Short
Address: 144 Waddell
Proposed Facility: SFR
Design Flow (.1949) 480
Location of Site: Lot 2

Applicant:
Date Evaluated: 1/28/16
Property Size: 2.16 Ac
Property Recorded:

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

Approved MD 2/8/16

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .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
A	L ~25%	0-10	Mo GR SL	FR SS/NP	Lt Br				0.25
		10-35	Mo SBK SCL	Fi S/P	R; F yel Br				
		35-55	WK SBK SCL	FR SS/SP	R; C sap				
		55-60	MA SL Sap	FR NS/NP	Multi				
B	L ~25%	0-6	Mo GR SL	FR NS/NP	Lt Br				0.25
		6-33	Mo SBK SCL	Fi S/P	R; F sap				
		33-53	WK SBK SCL	FR SS/SP	R; C sap				
		53-60	MA SL Sap	FR NS/NP	yel R				
									ient

Description	Initial System	Repair System
Available Space (.1945)		
System Type(s)	LPPPBPS	LPPPBPS
Site LTAR	0.25	0.2

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

On-site Wastewater Section

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Lot #: 2
File #:
AppID:

Owner: Ray Short
Address: 144 Waddell
Proposed Facility: SFR
Design Flow (.1949) 480
Location of Site: Lot 2

Applicant: Ray Short
Date Evaluated: 4/2015
Property Size: 2.16 Ac
Property Recorded:

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

Approved 2/8/16

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .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 pit	L	0-12	Mo GR SL	FR ns/np	DkBr				0.2
		12-18	WK SBK GL	FR ss/sp	Br				
		18-30	Mo SBK C	Fi s/p	Red				
		30-39	WK SBK C	Fi s/p	Red; F/C sap;	F yel Br			
		39-50	WK SBK SCL	FR ss/sp	Red; Pockets of SL sap				
2 pit	L 25%	0-5	Mo GR SL	FR ns/np	DkBr				0.25
		5-12	WK SBK SL	FR ss/sp	Br				
		12-30	Mo SBK C	FR ss/sp	Red				
		30-50	WK SBK SCL	FR ss/sp	Red; C/M sap				
3 pit	L	0-7	Mo GR SL	FR ns/np	Br				0.25
		7-28	Mo SBK C	FR ss/sp	R; F sap				
		28-50	WK SBK SCL	FR ss/sp	R; C/M sap				
9 AH	L	0-6	Mo GR SL	FR ns/np	Br				0.3
		6-18	WK SBK SCL	FR ss/sp	Lt Red				
		18-36	Mo SBK C	FR ss/sp	R; F sap				
		36-52	WK SBK CL	FR ss/sp	R; C sap				

Description	Initial System	Repair System
Available Space (.1945)		
System Type(s)	LPPPBPS	LPPPBPS
Site LTAR	0.25	0.2

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

On-site Wastewater Section

APPROVED APR 2 1 2015

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Lot #: 2
File #:
AppID:

Owner: Ray Short
Address: 144 Waddell
Proposed Facility: SFR Design Flow (.1949) 480
Location of Site: Lot 2

Applicant:
Date Evaluated: 3/3/15
Property Size: 2.16
Property Recorded:

Water Supply: [ ] Public [ ] Individual [X] Well [ ] Spring [ ] Other
Evaluation Method: [X] 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 pit	L 25%	0-12	Mo GR SL	FR ns/np	DK Br				0.2
		12-18	WK SBK SL	FR ss/sp	Br				
		18-36	Mo SBK C	Fi s/p	Red				
		36-39	WK SBK C	Fi s/p	Red; F/C sap; F yel Br				
		39-50	WK SBK SCL	FR ss/sp	Red; Pockets of SL sap				
2 pit	L 25%	0-5	Mo GR SL	FR ns/np	DK Br				0.25
		5-12	WK SBK SL	FR ss/sp	Br				
		12-30	Mo SBK C	FR ss/sp	Red				
		30-50	WK SBK SCL	FR ss/sp	Red; C/M sap				
3 pit	L 25%	0-7	Mo GR SL	FR ns/np	Br				0.25
		7-28	Mo SBK C	FR ss/sp	R; F sap				
		28-50	WK SBK SCL	FR ss/sp	R; C/M sap				
9 AH	L 25%	0-6	Mo GR SL	FR ns/np	Br				0.3
		6-18	WK SBK SCL	FR ss/sp	Br + Red				
		18-36	Mo SBK C	FR ss/sp	R; F sap				
		36-52	WK SBK CL	FR ss/sp	R; C sap				

Description	Initial System	Repair System
Available Space (.1945)		
System Type(s)		
Site LTAR		

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

RECEIVED AUG 9 - 2016

IREDELL COUNTY HEALTH DEPARTMENT

ENVIRONMENTAL HEALTH DIVISION

Pd $125.00 9-1-16 # 209648
Paid $225.00 Int. Relay.

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 Repair

THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED 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: (X) Survey Plat, scaled no more than 1 inch = 60 feet ( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

Place an (X) beside whichever is submitted if applicable

contact Kathleen Saunders (704) 578-4951

Applicant Information:

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

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

Property Information:

Street Address: 144 Waddell Rd Mooresville

Subdivision Name: Hermance Road West **Section/Phase:** _____ **Lot Number:** 2

Driving Directions: Hwy 150, Right on Waddell, lot on right

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: 4
Maximum Number of Occupants: 8
( ) 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 gran right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for 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)

8/8/2016
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, Lake Luxury Homes, am the legal owner of the property located at 144 Waddel Rd Mooresville, identified as PIN(Parcel Identification Number) 4628 90 1493, located in Iredell County, North Carolina.

I do hereby authorize (print authorized agent/company name) The Oaks Group, _____, _____, _____, _____, 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 of Owner — Date: 8/18/16

Signature of Witness — Date: 8/18/16

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!!!***

ace 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

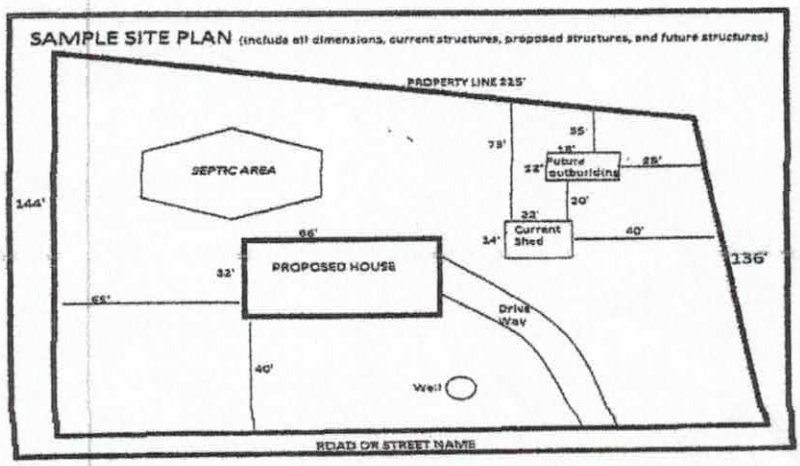
X **Front and side setbacks from property line...** X **Preferred driveway location and configuration, preferred well location...**

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

8/8/2016

DATE

Book 63 Page: 78 Page 1 of 1

I Lance D. Schamback, certify that this plat was drawn under my supervision from an actual survey made under my supervision (deed description and/or Map Book 49 Page 22) That the boundaries not surveyed are clearly indicated as drawn from information found in Book 849 Page 849; that the ratio of precision as calculated is 1: 10,000+ that this plat creates a subdivision of land within a county or municipality that has an ordinance that regulates parcels of land and was prepared in accordance with G.S. 47-30 as amended. Witness my original signature, registration number and seal. This 30 day of June A.D. 2015.

LANCE D. SCHAMBACK
REGISTRATION NUMBER: L-4295

NORTH CAROLINA PROFESSIONAL SEAL L-4295 LAND SURVEYOR LANCE D. SCHAMBACK

This Subdivision Plat of Lot 1, Hermance Road West To the best of my knowledge, lies within the WS-IV critical area of the Lake Norman watershed Catawba River Basin, as designated by the North Carolina Division of Environmental Management and as appears on the watershed protection map of Iredell County

6-30-15 Date

Subdivision Administrator

As of the date of this recording, the lots represented on this plat have not been inspected of approved by the Iredell County Health Department. Until inspected there is no assurance that a building permit will be issued.

I hereby certify that the subdivision plat shown hereon has been found to comply with the Subdivision Regulations of the County of Iredell, North Carolina and that this plat has been approved by the Subdivision Administrator for recording in the Office of the Register of Deeds of Iredell County.

6-30-15 Date

Subdivision Administrator
Iredell County, N.C.

I, Maureen M. Overcash Review Officer of Iredell County Certify that the map or plat to which this certification is affixed meets all statutory requirements for recording.

Review Officer

6-30-15 Date

NOTES:
1) This property may be subject to any easements and/or rights-of-way of record.
2) Boundary information based on Plat Book 49 at page 22, and Deed Book 2356 at Page 1883 as recorded in the Iredell County Register of Deeds
4) Area by coordinate method
5) Property Zoned: MI
Minimum building setbacks are as follows: 35' Front, 15' Side, 25' Corner Side and 35' Rear. If Property is rezoned, The new zoning setbacks shall apply.
6) All lots are subject to a 10' drainage & utility easement each side of all property lines
7) iron pins set at all corners unless otherwise noted.
8) This property is not located within a flood zone according to Flood Insurance Rate Map Community Panel Number 3710462800K & 3710462720K Dated: March 18, 2008.

Vicinity Map Not To Scale

LEGEND
R/W = Right-of-way
I.P.S. = #4 Rebar Set
= Not to scale
= Utility Pole
= Telephone Pedestal
= Water Meter
= Concrete Control Monument
CMP = Corrugated Metal Pipe
E.O.P. = Edge of pavement
RCP = Reinforced Concrete Pipe
S.I.R. = Solid Iron Rod

Doc ID: 015117350001 Type: CRP
Recorded: 06/30/2015 at 04:47:30 PM
Fee Amt: $21.00 Page 1 of 1
Iredell County, NC
Matthew J. McCall Register of Deeds
BK 63 PG 78

P.B. 49, Pg. 22

Unnamed Road
Hermance Ln.
S.R. 1459
60' R/W
Waddell Rd.
S.R. 1438
60' R/W
Lot 3
61,620 Sq.Ft.
1.41 Acres
Lot 2
85,574 Sq.Ft.
2.19 Acres
Lot 1
75,323 Sq.Ft.
1.72 Acres
Dmitriy N. Chaver
D.B. 1432, Pg. 2468
Lorena Brown
D.B. 2370, Pg. 1982
Central Corner
#4 Rebar Found 0.7' Tall
#4 Rebar Found Flush
I.P.S.
35' Setback
S02°07'22"E 358.17
S14°58'14"W 361.85
S58°42'08"W 28.35
S58°25'51"W 89.52
S63°27'59"E 199.81
N68°13'57"E 134.39
S76°56'17"E 228.44
S18°08'30"W 246.00
N12°58'00"E 101.37 Total
96.37
5.00
88.18
N08°40'16"W
N29°55'20"W 167.59
S23°23'49"E 354.09' M
NGS Monument "Hodel" Found N.C. Grid NAD 83
75'
150' Duke Energy Transmission Line R/W
GRAPHIC SCALE
(IN FEET)
1 inch = 60 ft.

LINE TABLE

LINE	LENGTH	BEARING
L1	23.02	N49°24'31"E
L2	28.35	S58°42'08"W

CURVE TABLE

CURVE	LENGTH	RADIUS	BEARING	CHORD
C1	101.11	569.10	N54°19'55"E	100.98
C2	217.22	280.00	S37°11'44"W	211.82
C3	126.76	826.85	N19°14'43"E	126.63
C4	193.05	382.73	S15°16'33"E	192.95
C5	74.92	1400.29	S02°45'22"W	74.91
C6	121.26	806.68	S08°35'40"W	121.15
C7	129.33	233.28	N02°56'53"W	127.68
C8	12.45	233.28	N20°21'32"W	12.44
C9	62.24	50.00	S67°21'39"E	58.30
C10	46.51	1400.29	S00°16'19"W	46.51

I, hereby certify that I am the owner/manager of the property shown and described hereon, which is located in the subdivision jurisdiction of the County of Iredell and that I hereby adopt this plan of subdivision with my free consent, establish minimum building setback lines, and dedicate all roads, alleys, walks, parks, and other sites and easements to public or private use as noted

I further certify that:
a. there are no deed restrictions which will be violated by the requested subdivision; and
b. there are no governmental regulations of any kind, other than those for which a variance has been applied for under the Iredell County Subdivision Ordinance regulations, which will be violated by the requested subdivision; and
c. I understand that enforcement of deed restrictions and any other contractual agreements is not the responsibility of Iredell County, will not be taken by Iredell County, and is the sole responsibility of the parties affected by violations of such deed restrictions and contractual agreements.

6/30/15 Date

Lake Luxury Homes, LLC. President

North Carolina, Iredell County

I, Angela N. Gregorio Notary Public of the County and State aforesaid, certify that Vaughn Ward Shook personally appeared before me this day and acknowledged the execution of the foregoing instrument. Witness my hand and official stamp or seal, this 30th day of June 2015.

Angela N. Gregorio
Notary Public

My commission expires April 21, 2019

Final Plat
Redivision of
Hermance Road West
Lot 1, Plat Book 49 at Page 22,
Deed Book 2356 at Page 1883
Davidson Township, Iredell County, N.C.

Owner/Developer: Lake Luxury Homes, LLC. P.O. Box 3792

Tax Pin No.: 4628902342

Date of Survey: 3-16-2015
Date of Map: 6-30-2015
Scale: 1" = 60'
Drawn By: LDS
Job Number: 2014-2017PLAT

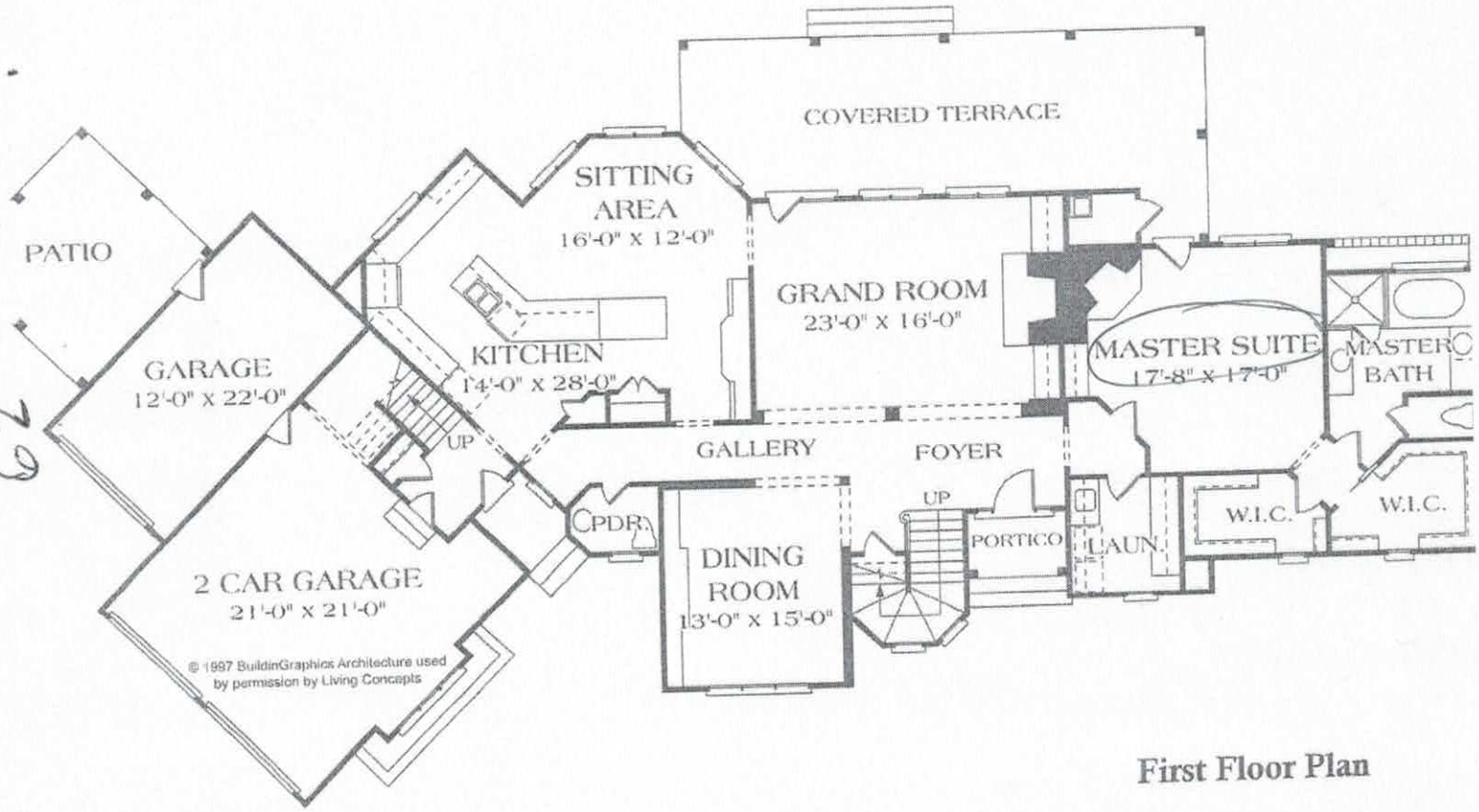
Land Surveyor:
Schamback Surveying, P.A.
P.O. Box 4143
Mooresville, N.C. 28117

144 Waddell

Acknowledgement of
Plans Submittal ONLY!

Maria Dobson Date 2/8/16

Tracy Walker Date 2/9/16
Lake Murray Homes



First Floor Plan

62

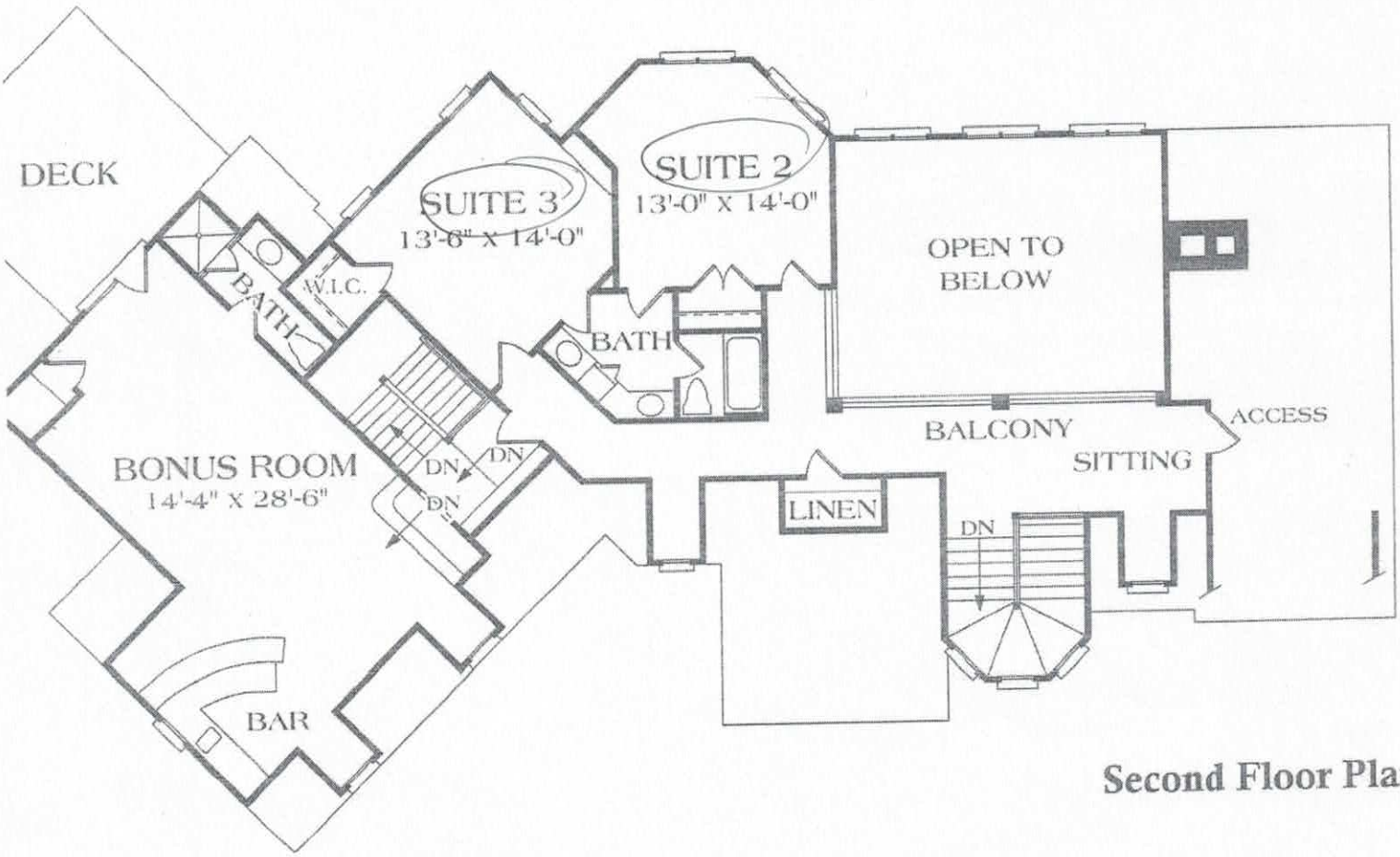
109'

144 Waddell

Acknowledgement of
Plans Submittal ONLY!

Marian Dotson Date 2/8/16

Tracy Walker Date 2/9/16
Lake Luxury Homes



Second Floor Plan

IREDELL COUNTY

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

APPLICATION NUMBER
209648
Issue Date: 01/29/2016

ZONING PERMIT

Open Space

Parcel Number	Street Address	Jurisdiction
4628902342.000	144 WADELL ROAD, MOORESVILLE, NC 28117	IREDELL COUNTY

Owner Information	Applicant Information
Owner: CRESCENT COMMUNITIES LLC	Applicant: THE OAKS GROUP
Address: 227 WEST TRADE ST STE 1000 MOORESVILLE, NC 28202	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
5.338	35.00	35.00	15.00	15.00	CACL	X

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: _____ Date: _____

Permit Number	35666	TOTAL FEES:	$ 154.50