Supervisor/Administrative Professional Checklist

New Septic ☑ **New Well** ☐ **Use Existing** ☐ **Alteration** ☐ **Modified Plot Plan** ☐

New Septic Fees Paid:

IP (~~$250.00~~ 200.00) 7/3/2006 _____ Initials/Date

CA ($200.00) 5/18/15 Beachms _____ Initials/Date

OP ($200.00) 5/18/15 Beachms _____ Initials/Date

(CA and OP fees need to be paid before a building permit can be issued)

New Well Fee Paid: $550.00 _____ Initials/Date

Use Existing Fee Paid: $100.00 _____ Initials/Date

Alteration Fee Paid: $300.00 (Total) $200 (If use existing was paid)_____ Initials/Date

Modified Plot Plan Fee Paid: $100.00 _____ Initials/Date

Floor plans need to be submitted and reviewed before CA can be issued. ☐ Reviewed ☑ JAM

OK To generate CA form

This site is served by septic and well. Verify each is complete before final hold is released. ☑

Septic file completed. ☑ _____ Well file completed. ☑ JAM _____

Send permit for signature. ☑ Signature received. ☑ JAM _____

This septic system requires a certified operator contract before final hold is released. ☐

Certified operator contract is on file. ☐ _____

Date: 7/31/2006

Subject: Procedures

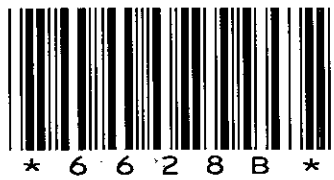
Subject: Procedures

OK To Generate CA Form

Name

Name

Name



LOT 5

1/10/2008

duponbj

Groundwater and Wastewater Services File Imaging Project

May 2007

Barcode Font = IDAutomationHC39M

S

FEE: 200.00
DATE:5/19/2015

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 6628B

PERMIT NUMBER: 30001087

PARCEL NUMBER: 21731131

JOB LOCATION INFORMATION

ADDRESS: 18321 ROSAPENNY RD

CITY: CHARLOTTE **STATE: NC** **ZIP:** 28278

ISSUED TO: LKW DEVELOPMENT LLC

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 5/19/2015

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30001087, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.

2. A PRE-CONSTRUCTION MEETING MUST BE SECURED PRIOR TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A LICENSED SEPTIC TANK CONTRACTOR WITH THE NORTH CAROLINA ONSITE WASTEWATER CONTRACTOR INSPECTOR CERTIFICATION BOARD.

3. ANY ALTERATION IN SITE OR SOIL CONDITIONS (INCLUDING LOCATION OF STRUCTURES AND APPURTENANCES) OR MODIFICATION IN USE, DESIGN WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS AS SPECIFIED IN THE ASSOCIATED IMPROVEMENT PERMIT AND APPLICATION, MAY SUBJECT THIS CONSTRUCTION AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

4. THIS CONSTRUCTION AUTHORIZATION AS PROVIDED IN G.S. 130A-335(f) AND G.S. 130A-336(b) SHALL BE VALID FOR A PERIOD EQUAL TO THE VALIDITY OF THE IMPROVEMENT PERMIT, NOT TO EXCEED 60 MONTHS.

Groundwater & Wastewater Services
Septic Project File & Data Review Worksheet

GWS File #: 66208 WASPS App #: 1087

Primary ES assigned to project: CS

Secondary ES assigned to project:

Project Type: New System ☑ Alteration ☐ Repair ☐ Modified Plot Plan ☐

I. File Review:

Rule or Law				
	Permit Application			
.1937(d)	Is the Application complete	Yes ☑	No ☐	N/A ☐
.1937(d)	Is there a Site plan/Plat with application	Yes ☑	No ☐	N/A ☐
.1937(d)	Is the Facility shown?	Yes ☑	No ☐	N/A ☐
.1937(d)	Are appurtenances shown	Yes ☑	No ☐	N/A ☐
	Site Evaluation Information			
.1939 (a)(1)	Topography and Landscape Position Recorded?	Yes ☐	No ☐	N/A ☐
.1940 (a-g)	Slope % Recorded?	Yes ☐	No ☐	N/A ☐
.1939 (a)(2)	Texture Class Recorded?	Yes ☐	No ☐	N/A ☐
.1939 (a)(2)	Structure type Recorded?	Yes ☐	No ☐	N/A ☐
.1939 (a)(2)	Consistence Recorded?	Yes ☐	No ☐	N/A ☐
.1939 (a)(2)	Mineralogy Recorded?	Yes ☐	No ☐	N/A ☐
.1939 (a)(3)	Soil Wetness Condition Recorded?	Yes ☐	No ☐	N/A ☐
.1939 (a)(4)	Soil Depth to Rock or Parent Material Recorded When Encountered	Yes ☐	No ☐	N/A ☐
.1939 (a)(5)	Depth to Restrictive Horizons Recorded When Encountered?	Yes ☐	No ☐	N/A ☐
.1939 (a)(6)	Sufficient Available Space Recorded?	Yes ☐	No ☐	N/A ☐
.1937(m)	Are the Profile Locations Shown?			
1939(a)	Are the S/PS Profiles in system & in repair area?	Yes ☐	No ☐	N/A ☐
& .1945(b)	Number of auger borings made: _____			
	Were sufficient auger borings made?	Yes ☐	No ☐	N/A ☐
.1939(d), 1955, 1956, 1957	LTAR	Yes ☐	No ☐	N/A ☐
	Improvement Permit/Construction Authorization			
.1937(g) 130A-336(a)	Proposed System Type stated-Initial	Yes ☐	No ☐	N/A ☐
1945(b) 130A-336	Proposed System Type stated-Repair	Yes ☐	No ☐	N/A ☐
(a)(3)	System location identifiable by setbacks - Initial	Yes ☐	No ☐	N/A ☐
.1937(g) 1945(b),	System components shown – Initial	Yes ☐	No ☐	N/A ☐
1945(b)	Repair area shown	Yes ☐	No ☐	N/A ☐
1937 (f)(g)	Does System design match facility, flow & WWcharacteristics?	Yes ☐	No ☐	N/A ☐
.1937 (f)(g)	Is System design consistent with soil/site conditions?	Yes ☐	No ☐	N/A ☐
.1937 (f)(g)	Is the System located in the approved area?	Yes ☐	No ☐	N/A ☐
130A-336(a)	Is the Design flow (gpd) indicated?	Yes ☐	No ☐	N/A ☐

130A-336(a)	Number of Bedrooms, employees, seats, etc. indicated?			
.1937(g)	Trench depth indicated?	Yes ☐	No ☐	N/A ☐
.1937(g)	Trench width indicated?	Yes ☐	No ☐	N/A ☐
.1937(g)	Trench length indicated?	Yes ☐	No ☐	N/A ☐
130A-336(a)(1)	Proposed/existing well shown?	Yes ☐	No ☐	N/A ☐
130A-336(a)(1)	Property line lengths shown?	Yes ☐	No ☐	N/A ☐
130A-336(a)	Facility/appurtenance setbacks shown from fixed points?	Yes ☐	No ☐	N/A ☐
	Operation Permit			
.1937(i)	System type as described in table V(a) of rule .1961	Yes ☐	No ☐	N/A ☐
.1937(i)	Conditions for system performance, operation, maintenance, monitoring and reporting.	Yes ☐	No ☐	N/A ☐

II. WASPS Review:

Construction authorization issued	Yes ☐	No ☐	N/A ☐
Installation approval issued	Yes ☐	No ☐	N/A ☐
Operation permit issued	Yes ☐	No ☐	N/A ☐
Other related documentation	Yes ☐	No ☐	N/A ☐

Items requiring correction/modification: _____

Comments:

_____

_____

_____

_____

_____

IA issued date: _____

OP issued date: _____

Review performed by: _____ Date performed: _____

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

IMPROVEMENT PERMIT for a RESIDENTIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: **30001087** GWS File #: **6628B** Tax Parcel #: **217-311-01**

- This IMPROVEMENT PERMIT is subject to revocation if site plans or the intended use change. There is to be **NO** grading, filling, or disturbance of the soil in the area of the septic tank system or repair area.
- CONSTRUCTION AUTHORIZATION must be obtained prior to receiving a Building Permit. The Construction Authorization is **NOT** transferable. Do not clear, grade, fill or disturb soil prior to obtaining a Construction Authorization.
- Domestic-type wastewater only. No industrial process wastewater may be discharged into the system.

I. This Improvement Permit Shall: Expire in Five (5) Years **Expiration Date (If Applicable):** 6/27/2012

Type of Installation: Residential - New System Lot Number: 5

Structure Type: HOUSE Size (ft^2): 10000 # Bedrooms: 4/5 # Occupants: 8

Building Foundation: Basement With Plumbing Water Supply: Private Well

II. Initial System Type: Pump to Approved **System Classification:** IIIb

Initial System Specifications:

Design Flow (gpd):	600	LTAR (gpd/ft^2):	0.3	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	1500
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1500	Total Trench Length (ft):	500
Maximum Trench Depth (in):	20	Depth of Media (in):	12	Distribution Device:	Pressure Manifold		

III. Repair System Type: PPBPS (pressurized) **System Classification:** IVa

Repair System Specifications:

Design Flow (gpd):	600	LTAR (gpd/ft^2):	0.3	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	1500
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1091	Total Trench Length (ft):	364
Maximum Trench Depth (in):	30	Depth of Media (in):	24	Distribution Device:	Manifold (LPP Distri		

IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department is issuing an IMPROVEMENT PERMIT for the above referenced property. This permit is being issued in accordance with the *Laws and Rules For Sewage Treatment, and Disposal Systems* and is subject to the following provisions:

- No work shall be conducted on the septic system until an INSTALLATION APPROVAL is granted by the Department.
- The septic system installer shall be a registered septic contractor with Mecklenburg County Health Department.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

DENR Authorized Agent: Chris Sherrill Owner/Legal Agent: Jonen C Jacobs,
Print Name

Signature: Signature:

Date Issued: 6/27/2007

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St. Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

IMPROVEMENT PERMIT for a RESIDENTIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: **30001087** GWS File #: **6628B**

IV. Permit Conditions/Comments:

- Easement agreement forms shall be on file and the property shall be deeded and recorded prior to issuance of Construction Authorization.
- This type of septic system requires an inspection once every 5 years by our office. The system owner is responsible for any fees, as determined by the Mecklenburg County Board of Commissioners, associated with this inspection.
- This type of repair system requires the installation of a pump tank and all associated components. This type of system will require routine inspections by our office. The system owner is responsible for all fees associated with these inspections.
- This type of repair system requires the property owner to obtain a contract with a Certified Operator to perform routine inspections and maintenance on the system.
- This type of repair system requires periodic inspections by our office. The system owner is responsible for any fees, as determined by the Mecklenburg County Board of Commissioners, associated with this inspection.
- The septic system shall be installed in accordance with the plans submitted by the wastewater system design consultant.

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department is issuing an IMPROVEMENT PERMIT for the above referenced property. This permit is being issued in accordance with the *Laws and Rules For Sewage Treatment and Disposal Systems* and is subject to the following provisions:

- No work shall be conducted on the septic system until an INSTALLATION APPROVAL is granted by the Department.
- The septic system installer shall be a registered septic contractor with Mecklenburg County Health Department.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

DENR Authorized Agent: Chris Sherrill

Signature: Chris M Sherrill

Date Issued: 6/27/2007

Owner/Legal Agent: Tonya C Jacobs
Print Name

Signature: Tonya C Jacobs

S&ME

Date: May 20, 2007

To: Mr. Chris Sherrill, R. S.
Mecklenburg County Health Dept.

From: Toney Jacobs, LSS

Ref: Request for an Improvement Permit for Lot 5 at Rosapenny Road
MCHD File #6628B

LKW Development is requesting an Improvement Permit for the above referenced lot. **This lot will utilize an off-site septic area for the septic system drainfield.** MCHD has evaluated the soils (see attached MCHD soil sheets) and S&ME, Inc. has flagged the system and repair on the lot. The septic lines have been located and are shown on the attached maps. The attached sketch and specifications are not an Improvement Permit and are intended only to assist the MCHD in permitting the referenced lot.

We understand that a building permit cannot be issued until your office issues an Authorization to Construct (ATC). The builder will apply for the ATC. If the house pad does not fit in the "building envelope" shown on the Improvement Permit, we understand that the proposed system may have to be modified prior to your office issuing the ATC. **No grading shall take place on the lot prior to obtaining the ATC from the MCHD.**

Please review the attached system sketch and design specifications for the Improvement Permit. Any additions or revisions you feel are necessary can be made on the Improvement Permit. Please call if you have questions or comments.

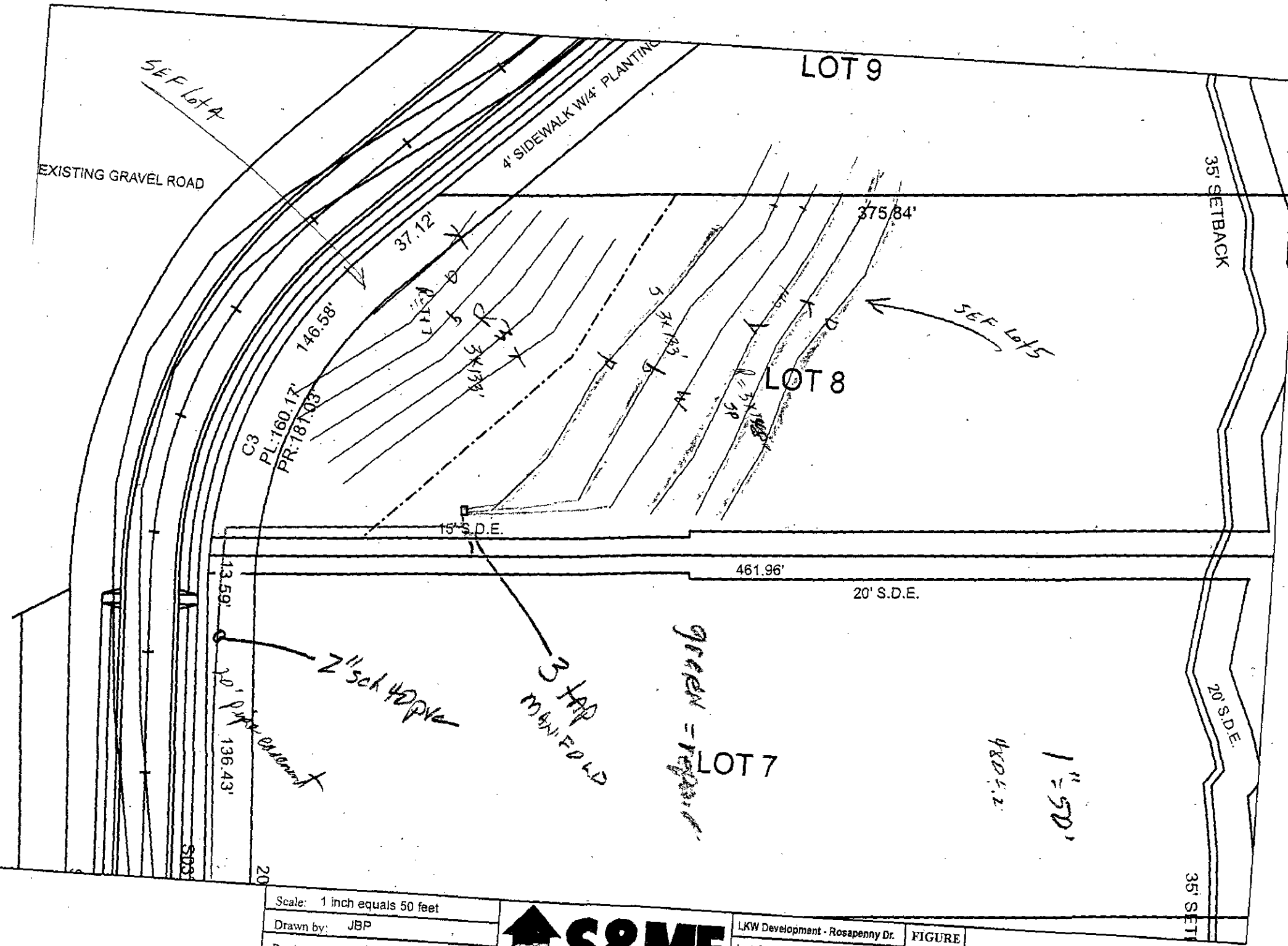
S&ME, Inc.
385 Timber Road, Suite 104
Mooresville, North Carolina 28115-7899

(704) 662-8625
(704) 662-8735 fax
www.smeinc.com

Design Specifications for Lot 5 Rosapenny Road
MCHD file #6628B

Daily design flow:	480 gpd
Number of bedrooms:	4 bedroom
Basement or crawl space:	basement (off-site system)
Septic tank size:	1500 gal
Pump tank size:	1500 gal
Primary system loading rate:	**0.275 gpd/ft^2**
Primary system:	**25% reduction**
Number and length of laterals:	3 @ 146'
Total ft. of primary system:	438 ft.
Flow rate through system:	16.4 gpm – use ½" SCH 80 taps with 2 ft. head pressure on pressure manifold (5.46 gpm per tap)
Pump requirements:	to be calculated by installer when specific house And pump tank locations are available
Dosing volume:	approx. 240 gal. – 2.0 doses/day at design flow
Depth of effluent pumped per dose:	calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of water equals 7.48 gal.)
Check valve:	yes
Siphon break hole:	no
Repair system loading rate:	**0.275 gpd/ft^2**
Repair system:	**LP PPBPS**
Total ft. of repair:	291'

Note: Lot utilizes an off-site septic area. LKW will install pipe from the lot to the area.


LOT 9
LOT 8
LOT 7
SEE Lot A
EXISTING GRAVEL ROAD
4' SIDEWALK W/4' PLANTING
35' SETBACK
375.84'
37.12'
146.58'
C3
PL:160.17'
PR:18.03'
SEE Lots
15' S.D.E.
461.96'
20' S.D.E.
13.59'
136.43'
2" Sch 40 PVC
3 HP MANIFOLD
20' S.D.E.
35' SETB
1" = 50'
Scale: 1 inch equals 50 feet
Drawn by: JBP
Reviewed by: TCJ
S&ME
LKW Development - Rosapenny Dr.
Lot 8 Offsites
Mecklenburg County, NC
FIGURE
1

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

Sheet: 1 of 2
Property ID: PO 217-311-01
Lot #: 5
File #: 6628B
AppID: 1087

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: LKW Development, LLC
Applicant: Toney Jacobs
Address: 17224 Due West Dr., Charlotte, NC 28278
Date Evaluated: 4/13/2007
Proposed Facility: Residence
Design Flow (.1949): ~~480 gpd~~ 600 gpd
Property Size:
Location of Site: Rosapenny Rd
Property Recorded:
Water Supply: [ ] Public [x] Individual [x] Well [ ] Spring [ ] Other
Evaluation Method: [x] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941		b PROFILE FACTORS				Profile Class & LTAR
			.1941 Structure/ Texture	.1941 Consistence Mineralogy	.1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	
1	LS,7	0-9	GR/SL	VFR/SS/SP/SEXP	>48" TO SOIL WETNESS	48	NA	NONE	PS,IV
		9-20	GR/SCL	FR/SS/SP/SEXP					.275 GPD/FT^2
		20-48	SBK/ABK/C	FI/S/P/SEXP					
2	"	0-10	GR/SCL	FR/SS/SP/SEXP	"	"	"	"	PS,IV
		10-36	SBK/C	FI/S/P/SEXP					.3 GPD/FT^2
		36+	FLOATER	ROCK					
					SITE LTAR				.275 GPD/FT^2

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	IIIb	Iva
Site LTAR	.275 GPD/FT^2	.275 GPD/FT^2

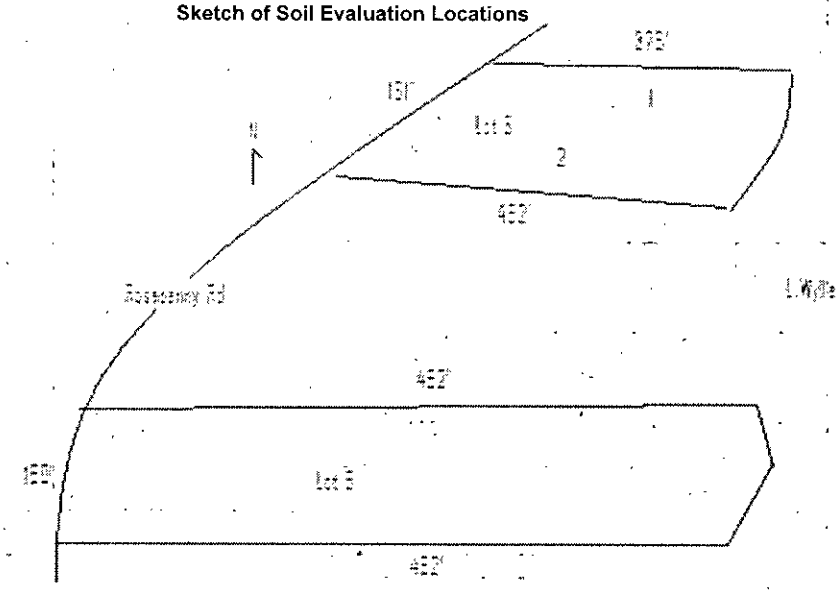
Other Factors (.1946): None
Soil Evaluation By: Chris Sherrill, RS, LSS
Others Present: No
Site Classification (.1948): PS
Site Evaluation By: Chris Sherrill, RS, LSS
Others Present: T.Jacobs

COMMENTS: Easement for Lot 5 on Lot 8

Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		M-Massive
LS-Linear Slope				CR-Crumb
FS-Foot Slope	II	SL-Sandy Loam	0.8 - 0.6	GR-Granular
NS-Nose Slope		L-Loam		SBK-Subangular Blocky
HS-Head Slope				ABK-Angular Blocky
CC-Concave Slope	III	SI-Silt	0.6 - 0.3	PL-Platy
CV-Convex Slope		SICL-Silty Clay Loam		PR-Prismatic
T-Terrace				
FP-Flood Plain		CL-Clay Loam		
		SCL-Sandy Clay Loam		
	IV	SC-Sandy Clay	0.4 - 0.1	
		SIC-Silty Clay		
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	NS-Non-Sticky	SEXP-Slightly Expansive
FR-Friable	SS-Slightly Sticky	EXP-Expansive
FI-Firm	S-Sticky	
VFI-Very Firm	VS-Very Sticky	
EFI-Extremely Firm	NP-Non-Plastic	
	SP-Slightly Plastic	
	P-Plastic	
	VP-Very Plastic	

Sketch of Soil Evaluation Locations



MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	05/18/15	**Amount:**	200.00
Receipt #:	94787	**Tendered:**	200.00
Check / Auth #:	CHECK 1250	**Returned:**	0.00
Received By:	BEACHMS		

Account Information

Account #: 200000
Contractor: LKW PROPERTIES, LLC
Attn:
Address: 17224 DUE WEST DRIVE
Address:
City/State/Zip: CHARLOTTE, NC 28278

Item	Description	Permit#	Quantity	Unit Price	Total Price
0703	Septic Operational Permit 18321 ROSEPENNY ROAD		1	200.00	200.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	05/18/15	**Amount:**	200.00
Receipt #:	94786	**Tendered:**	200.00
Check / Auth #:	CHECK 1250	**Returned:**	0.00
Received By:	BEACHMS		

Account Information

Account #:	200000
Contractor:	LKW PROPERTIES, LLC
Attn:	
Address:	17224 DUE WEST DRIVE
Address:	
City/State/Zip:	CHARLOTTE, NC 28278

Item	Description	Permit#	Quantity	Unit Price	Total Price
0734	Septic Construction Authorizat 18321 ROSAPENNY ROAD		1	200.00	200.00

----------Outstanding Balances----------

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance

Ellis, Loretta

From: Beacham, Melinda
Sent: Thursday, May 14, 2015 11:59 AM
To: Ellis, Loretta
Subject: FW: Project #354470

Importance: High

groundwater Needs Review
18321 Rosapenny Rd
704-913-6143
66288

She is checking on a permit...Thanks

Melinda Beacham
Mecklenburg County Environmental Health, Administrative Asst. III
700 N. Tryon Street Charlotte N.C.
Suite 208
704-336-5545 -Office
704-336-5306 - Fax

From: Suzie Preidt [mailto:suzie@npe.us.com]
Sent: Thursday, May 14, 2015 11:17 AM
To: Beacham, Melinda
Subject: RE: Project #354470
Importance: High

Melinda,

I have left several message and sent 2 emails trying to find out what is required to get an approval for project #354470, but I have not received a response. Please get in contact with me today because the groundwater hold is keeping us from getting the permit issued.

Thanks,

Suzie Preidt
National Permit Expediters, Inc.
6428 Wilkinson Blvd #224
Belmont, NC 28012
704-913-6143

Psalm 23

approved as noted
CA $200
OP $200

From: Suzie Preidt [mailto:suzie@npe.us.com]
Sent: Tuesday, May 12, 2015 12:24 PM
To: 'Melinda.Beacham@mecklenburgcountync.gov'
Subject: Project #354470
Importance: High

Melinda,

I am following up regarding project #354470 to verify when you will be able to complete your review and if you need any additional information to get this approved.

Thanks,

Suzie Preidt
National Permit Expediters, Inc.
6428 Wilkinson Blvd #224
Belmont, NC 28012
704-913-6143

Psalm 23

GWS – RES. APP 07/05

SEPTIC FEE: 204.00 CLK 9745
DATE: 7/3/06
CRT [ ] SC

PERMIT APPLICATION FOR A RESIDENTIAL SITE IMPROVEMENT PERMIT / CONSTRUCTION AUTHORIZATION FOR ON-SITE WASTEWATER SYSTEM NEW WELL INSTALLATION OR REPAIR OF EXISTING WELL MECKLENBURG COUNTY GROUNDWATER & WASTEWATER SERVICES

#1087 Paid $100 2nd check 1000 8/23/06

FILE # 6628B

WELL FEE: _____
DATE: _____
CRT [ ]

SEPTIC / TYPE APPLICATION: ☐ NONE ☑ NEW SYSTEM ☐ ALTERATION ☐ REPAIR ☐ MODIFY PLOT PLAN

WELL / TYPE APPLICATION: ☐ NONE ☐ NEW WELL ☐ MAJOR REPAIR ☐ ABANDONMENT

JOB LOCATION INFORMATION:
TAX/PARCEL #: 217 311 01 PO
STREET ADDRESS: Rosapenny Rd
CITY: Charlotte
STATE: NC ZIP:
SUBDIVISION OR MOBILE HOME PARK NAME:
LOT #: 2
TOWNSHIP:
☑ 0-MECKLENBURG ☐ 4-PINEVILLE
☐ 1-CHARLOTTE ☐ 5-MATTHEWS
☐ 2-DAVIDSON ☐ 6-HUNTERSVILLE
☐ 3-CORNELIUS ☐ 7-MINT HILL

BUILDING INFORMATION:
TYPE OF BUILDING:
☐ SINGLE MOBILE HOME (S) ☐ MODULAR HOME (M)
☐ DOUBLE WIDE (D) ☐ MULTIPLE FAMILY (U)
☑ HOUSE (H) ☐ OTHER
HEATED SQUARE FOOTAGE: 10000
NUMBER OF BEDROOMS: 4/5
NUMBER OF OCCUPANTS: 8

FOUNDATION FOR RESIDENCE:
☐ CONCRETE SLAB ☑ BASEMENT WITH PLUMBING
☐ CRAWLSPACE ☐ BASEMENT WITH NO PLUMBING

IF PLANNING TO EXPAND/ALTER THE EXISTING SYSTEM INDICATE THE FOLLOWING CHANGES:
NUMBER OF BEDROOMS TO BE ADDED: NA NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE:
WILL THERE BE A HOME BUSINESS IN THE RESIDENCE? ☐ YES ☑ NO TYPE:

WATER SUPPLY:
☐ MUNICIPAL (M) ☐ PUBLIC (C) ☑ PRIVATE WELL (P) ☐ SHARED WELL (S) ☐ OTHER 'SPRINGS' (O)

PROPOSED USE OF WELL: ☐ N/A ☐ IRRIGATION ☐ POTABLE ☐ GEOTHERMAL ☐ OTHER

ARE ANY OF THE FOLLOWING LOCATED ON THE PROPERTY? IF SO, PLEASE SHOW LOCATION ON SITE PLAN/PLAT.

BURIED CABLES, LANDFILLS, STUMPHOLES	☐ YES	☑ NO	WELLS, SPRINGS, OR WATER LINES	☐ YES	☑ NO
EXISTING WASTEWATER SYSTEMS	☐ YES	☑ NO	DESIGNATED WETLANDS	☐ YES	☑ NO
EASEMENTS OR RIGHT-OF-WAYS	☐ YES	☑ NO	GRADING/SOIL REMOVAL PERFORMED	☐ YES	☑ NO

PROPERTY OWNER:
NAME: LKW Development LLC
ADDRESS: 17224 Dve West Dr
CITY: Charlotte
STATE: NC ZIP: 28278
HOME PHONE: WORK PHONE: 704 504 9353
MOBILE PHONE: 562-1279 FAX: 583-6337

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:
NAME: Tonev Jacobs, LSS
ADDRESS: 365 Timber Rd Suite 104
CITY: Mooresville
STATE: NC ZIP: 28115
HOME PHONE: — WORK PHONE: 662-8625
MOBILE PHONE: 582-9219 FAX: 704 662 9735

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? 2006
WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY?

*An Improvement Permit is subject to suspension or revocation if site plans or the intended use change or if information submitted in this application is falsified or changed. The undersigned, owner, or legal agent for the owner, of the property described above as the "Job Location" has read the foregoing application, acknowledges that the contents of same are true, and authorizes the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

Tonev C Jacobs, LSS 6/28/06
Owner's/Agent's Signature Date

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT & NATURAL RESOURCES DIVISION
OF ENVIRONMENTAL HEALTH ON-SITE
WASTEWATER SECTION

*A Well Permit is subject to suspension or revocation if site plans or the intended use change or if information submitted in this application is falsified or changed. The undersigned, owner, or legal agent for the owner, of the property described above as the "Job Location" has read the foregoing application, acknowledges that the contents of same are true, and authorizes the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

Owner's/Agent's Signature Date

MECKLENBURG COUNTY HEALTH DEPARTMENT
GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST., SUITE 211
CHARLOTTE, NC 28202 704-336-5103 / FAX: 704-336-6894

MECKLENBURG COUNTY
Health Department

August 31, 2006

LKW Properties, LLC
17224 Due West Drive
Charlotte, NC 28278

Re: Application for improvement permit for
Property Site: Rosapenny Road, Lot 5
Health Department file number: **6628B**

Dear Property Owner or Owner's Agent:

The Mecklenburg County Health Department, Environmental Health Division on August 24, 2006 evaluated the above-referenced property at the site designated on the plat that accompanied your improvement permit application. According to your application the site is to serve a residence, with a daily design flow of 480 gallons per day. The evaluation was done in accordance with the laws and rules governing wastewater systems in North Carolina General Statute 130A333 and related statutes and Title 15A, Subchapter 18A, of the North Carolina Administrative Code, Rule .1900 and related rules.

Based on the criteria set out in Title 15A, Subchapter 18A, of the North Carolina Administrative Code, Rules .1940 through .1948, the evaluation indicated that the site is **UNSUITABLE** for a ground absorption sewage system. Therefore, your request for an improvement permit is **DENIED.** A copy of the site evaluation is enclosed. The site is unsuitable based on the following:

- ☒ Unsuitable soil topography and/or landscape position (Rule .1940)
- ☐ Unsuitable soil characteristics (structure or clay mineralogy) (Rule .1941)
- ☐ Unsuitable soil wetness condition (Rule .1942)
- ☒ Unsuitable soil depth (Rule .1943)
- ☐ Presence of restrictive horizon (Rule .1944)
- ☒ Insufficient space for septic system and repair area (Rule .1945)
- ☐ Unsuitable for meeting required setbacks (Rule .1950)
- ☐ Other (Rule .1946)

These severe soil or site limitations could cause premature system failure, leading to the discharge of untreated sewage on the ground surface, into surface waters, directly to ground water or inside your structure.

The site evaluation included consideration of possible site modifications, and modified, innovative or alternative systems. However, the Health Department has determined that none of the above options will overcome the severe conditions on this site. A possible option might be a system designed to dispose of sewage to another area of suitable soil or offsite to additional property.

For the reasons set out above, the property is currently classified **UNSUITABLE,** and an improvement permit shall not be issued for this site in accordance with Rule .1948 (c).

However, the site classified as **UNSUITABLE** may be classified as **PROVISIONALLY SUITABLE** if written documentation is provided that meets the requirements of Rule .1948(d). A copy of this rule is enclosed. You may hire a consultant to assist you if you wish to try to develop a plan under which your site could be reclassified as **PROVISIONALLY SUITABLE.**

You have a right to an informal review of this decision. You may request an informal review by the soil scientist or environmental health supervisor at the local health department. You may also request an informal review by the N. C. Department of Environment and Natural Resources regional soil specialist. A request for informal review must be made in writing to the local health department.

You also have a right to a formal appeal of this decision. To pursue a formal appeal, you must file a petition for a contested case hearing with the Office of Administrative Hearings, 6714 Mail Center, Raleigh, NC 27699-6714. To get a copy of a petition form, you may write the Office of Administrative Hearings or call the office at (919) 733-0926 or from the OAH web site at www.oah.state.nc.us/form.htm. The petition for a contested case hearing must be filed in accordance with the provision of North Carolina General Statutes 130A-24 and 150B-23 and all other applicable provisions of Chapter 150B. N. C. General Statue 130A-335(g) provides that your hearing would be held in the county where your property is located.

Please note: If you wish to pursue a formal appeal, you must file the petition form with the Office of Administrative Hearings **WITHIN 30 DAYS OF THE DATE OF THIS LETTER.** The date of this letter is August 31, 2006. Meeting the 30-day deadline is critical to your right to a formal appeal. Beginning a formal appeal within 30 days will not interfere with any informal review that you might request. Do not wait for the outcome of any informal review if you wish to file a formal appeal.

If you file a petition for a contested case hearing with the Office of Administrative Hearings, you are required by law (N.C. General Statute 150B-23) to send a copy of your petition to the North Carolina Department of Environment and Natural Resources. Send the copy to: Office of General Counsel, N. C. Department of Environment and Natural Resources, 1601 Mail Service Center, Raleigh, NC. 27699-1601. Do **NOT** send the copy of the petition to your local health department. Sending a copy of your petition to the local health department will **NOT** satisfy the legal requirement in N.C. General Statute 150B-23 that you send a copy to the Office of General Counsel, NCDENR.

You may call or write the local health department if you need any additional information or assistance.

Sincerely,

Chris Sherrill, R.S.
Authorized Agent - DENR

Encl: (2)

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

Sheet: 1 of 2
Property ID: PO 217-311-01
Lot #: 5
File #: 6628B
Code: 3

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: LKW Development, LLC
Applicant: Toney Jacobs, LSS
Address: 17224 Due West Drive, Charlotte, NC 28278
Date Evaluated: 8/15/2006
Proposed Facility: Residence
Design Flow (.1949): 480 gpd
Property Size: 1.433a
Location of Site: Rosapenny Road
Property Recorded:
Water Supply: [ ] Public [x] Individual [x] Well [ ] Spring [ ] Other
Evaluation Method: [x] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [x] 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 (IN.)	1956 Sapro Class	1944 Restr Horiz	
1	LS,5	0-3	GR/SL	VFR/SS/SP/SEXP	>33" TO SOIL WETNESS	33	NA	NA	US,IV
		3-33	SBK/SC	FI/S/P/SEXP					.3 GPD/FT^2
2	LS,7	0-2	GR/SL	VFR/SS/SP/SEXP	>10" TO SOIL WETNESS	10	"	"	US
		2-10	ABK/SBK/C	FI/S/P/SEXP					
3	"	0-2	GR/SL	VFR/SS/SP/SEXP	>30" TO SOIL WETNESS	30	"	"	US,IV
		2-30	ABK/SBK/C	FI/S/P/SEXP					.25 GPD/FT^2
4	LS,15	0-10	GR/SCL	FR/SS/SP/SEXP	>10" TO SOIL WETNESS	10	"	"	US

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

Other Factors (.1946): Backhoe pits required for further evaluation
Site Classification (.1948): Unsuitable
Evaluated By: Chris Sherrill, LSS 8/15/06
Others Present: No

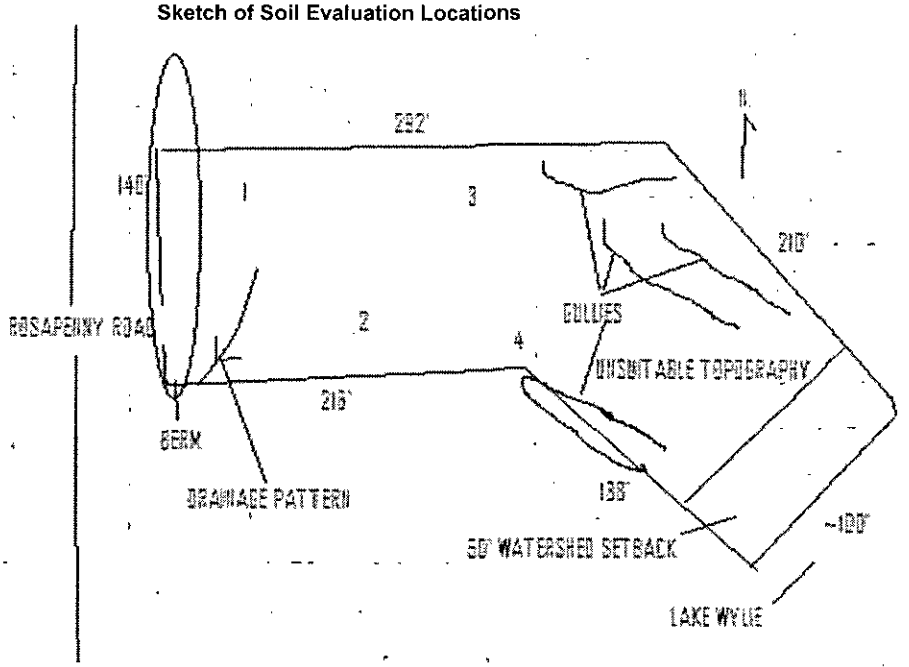
Christopher M Sherrill

COMMENTS: 100% Repair Area Required

Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		M-Massive
LS-Linear Slope				CR-Crumb
FS-Food Slope	II	SL-Sandy Loam	0.8 - 0.6	GR-Granular
NS-Nose Slope		L-Loam		SBK-Subangular Blocky
HS-Head Slope				ABK-Angular Blocky
CC-Concave Slope	III	SI-Silt	0.6 - 0.3	PL-Platy
CV-Convex Slope		SICL-Silty Clay Loam		PR-Prismatic
T-Terrace		CL-Clay Loam		
FP-Flood Plain		SCL-Sandy Clay Loam		
	IV	SC-Sandy Clay	0.4 - 0.1	
		SIC-Silty Clay		
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	NS-Non-Sticky	SEXP-Slightly Expansive
FR-Friable	SS-Slightly Sticky	EXP-Expansive
FI-Firm	S-Sticky	
VFI-Very Firm	VS-Very Sticky	
EFI-Extremely Firm	NP-Non-Plastic	
	SP-Slightly Plastic	
	P-Plastic	
	VP-Very Plastic	

Sketch of Soil Evaluation Locations



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

Sheet: 1 of 2
Property ID: PO 217-311-01
Lot #: 5
File #: 6628B
Code: 3

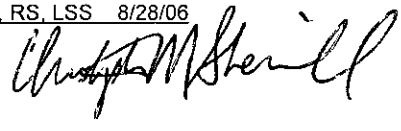
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for ON-SITE WASTEWATER SYSTEM

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Applicant: Toney Jacobs
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Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

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1P	LS,6	0-14	GR/SL	FR/SS/SP/SEXP	>48" TO SOIL WETNESS	36	US	NA	PS,IV
		14-36	ABK/SBK/C	FI/S/P/SEXP					.25 GPD/FT^2
		36-48	M/SAP	CL					
2P	LS,8	0-7	GR/SL	FR/SS/SP/SEXP	"	26	"	"	US
		7-26	ABK/SBK/C	FI/S/P/SEXP					
		26-48	M/SAP	CL					
3P	LS,15	0-3	GR/SCL	FR/SS/SP/SEXP	>30" TO SOIL WETNESS	12	"	"	"
		3-12	ABK/SBK/C	FI/S/P/SEXP					
		12-30	M/SAP	SCL					
4P	"	0-3	GR/CL	FR/SS/SP/SEXP	>48" TO SOIL WETNESS	26	"	"	"
		3-26	ABK/SBK/C	FI/S/P/SEXP					
		26-48	M/SAP	CL					

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

Other Factors (.1946):
Site Classification (.1948): Unsuitable
Evaluated By: Chris Sherrill, RS, LSS 8/28/06
Others Present: Bill Hodges

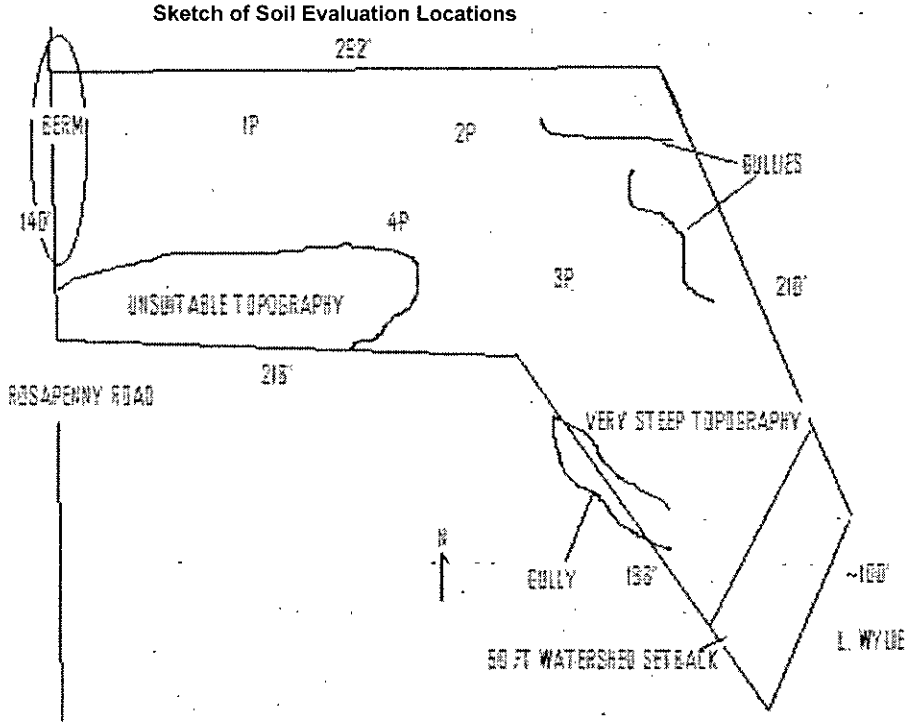


COMMENTS: 100% Repair Area

Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
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HS-Head Slope				ABK-Angular Blocky
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CV-Convex Slope		SICL-Silty Clay Loam		PR-Prismatic
T-Terrace				
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		SCL-Sandy Clay Loam		
	IV	SC-Sandy Clay	0.4 - 0.1	
		SIC-Silty Clay		
		C-Clay		

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FR-Friable	SS-Slightly Sticky	EXP-Expansive
FI-Firm	S-Sticky	
VFI-Very Firm	VS-Very Sticky	
EFI-Extremely Firm	NP-Non-Plastic	
	SP-Slightly Plastic	
	P-Plastic	
	VP-Very Plastic	

Sketch of Soil Evaluation Locations



LKW Development LLC
17224 Due West Drive
Charlotte, North Carolina 28278

August 21, 2006

Mecklenburg County Health Department
Suite 211
700 North Tryon Street
Charlotte, NC 28201

Dear Sirs:

Per Chris Sherrill, enclosed is the fee for Lots 1 & 2 at Rosapenny Road.

Sincerely,

William A. Hodges

704-504-9353
704-562-1279 mobile
704-583-8337 fax

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	08/23/06	**Amount:**	100.00
Receipt #:	45675	**Tendered:**	100.00
Check / Auth #:	CHECK 1020	**Returned:**	0.00
Received By:	CRAIGGY		

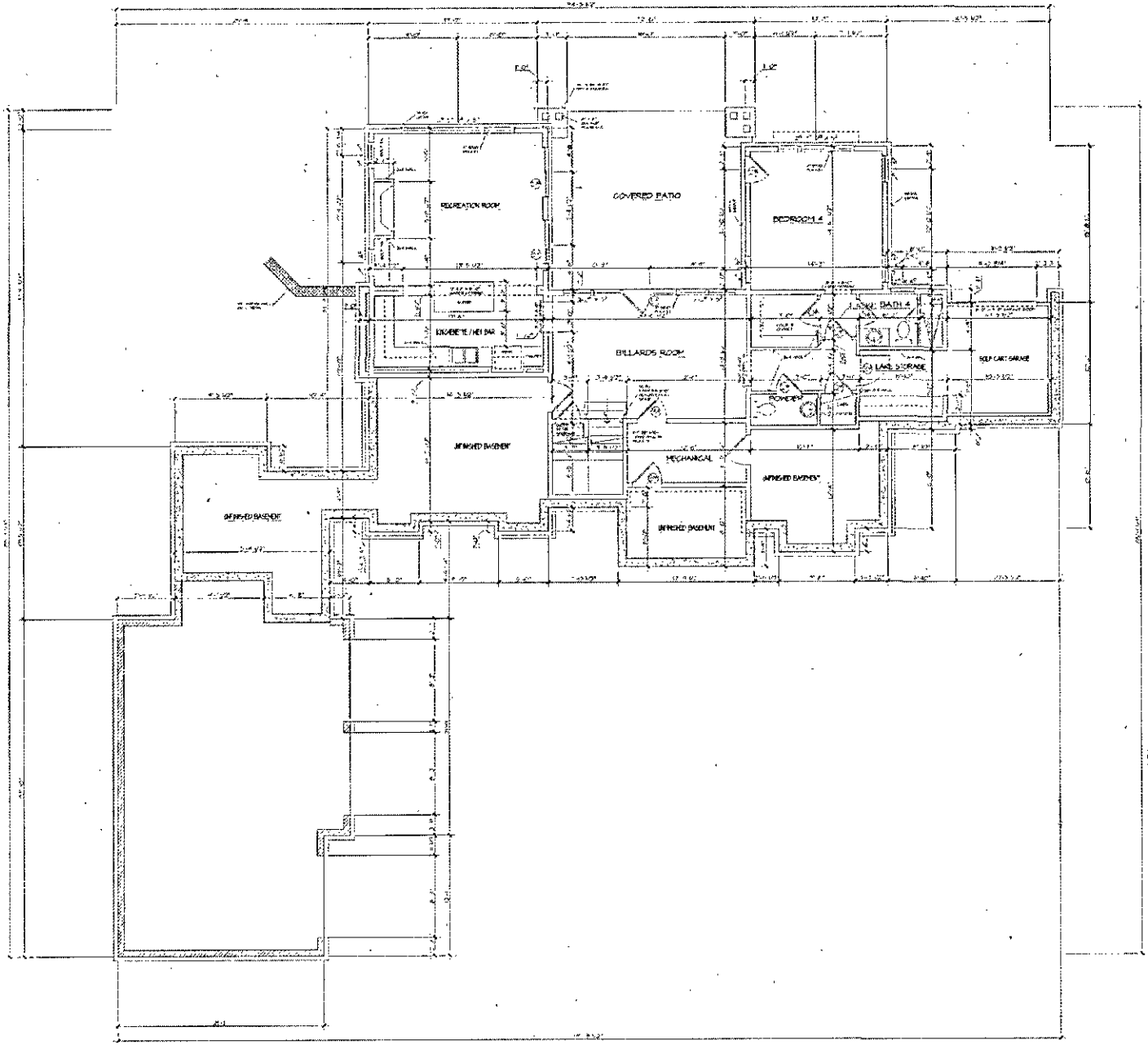
Account Information

Account #: 200000
Contractor: LKW PROPERTIES, LLC
Attn:
Address: 17224 DUE WEST DR
Address:
City/State/Zip: CHARLOTTE, NC 28278

Item	Description	Permit#	Quantity	Unit Price	Total Price
0702	Optional Site Evaluations ROSAPENNY ROAD, LOTS 1&2/FILES 6627B,6628B		1	100.00	100.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance



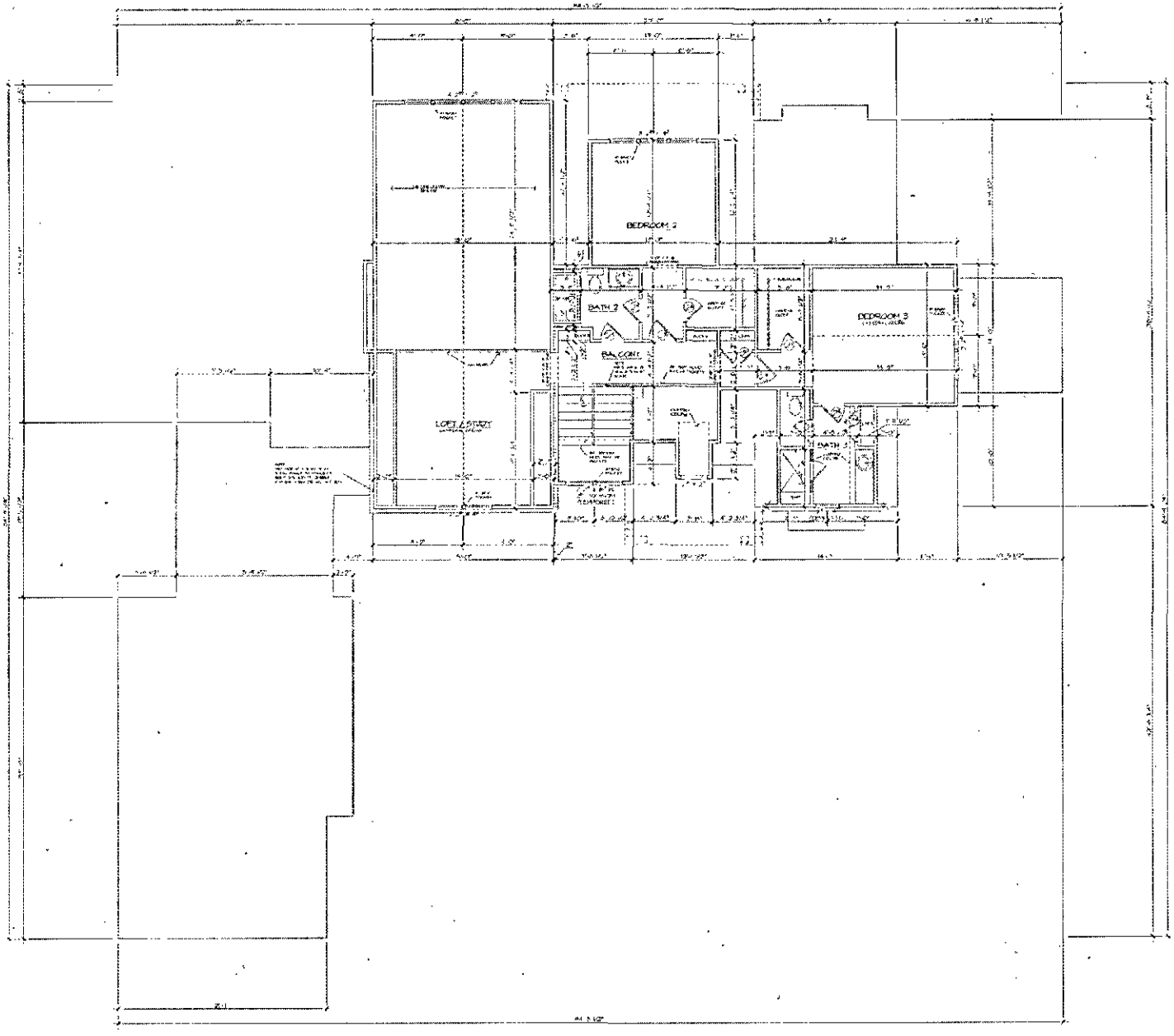
BASEMENT PLAN

GENERAL NOTES FOR BASEMENT

SAUSSY-BURBANK
LOT 5 @ 54 PENNY ROAD

Tina Home Design, LLC

A1



SECOND FLOOR PLAN SCALE: 1/4" = 1'-0"

GENERAL NOTES FOR SECOND FLOOR

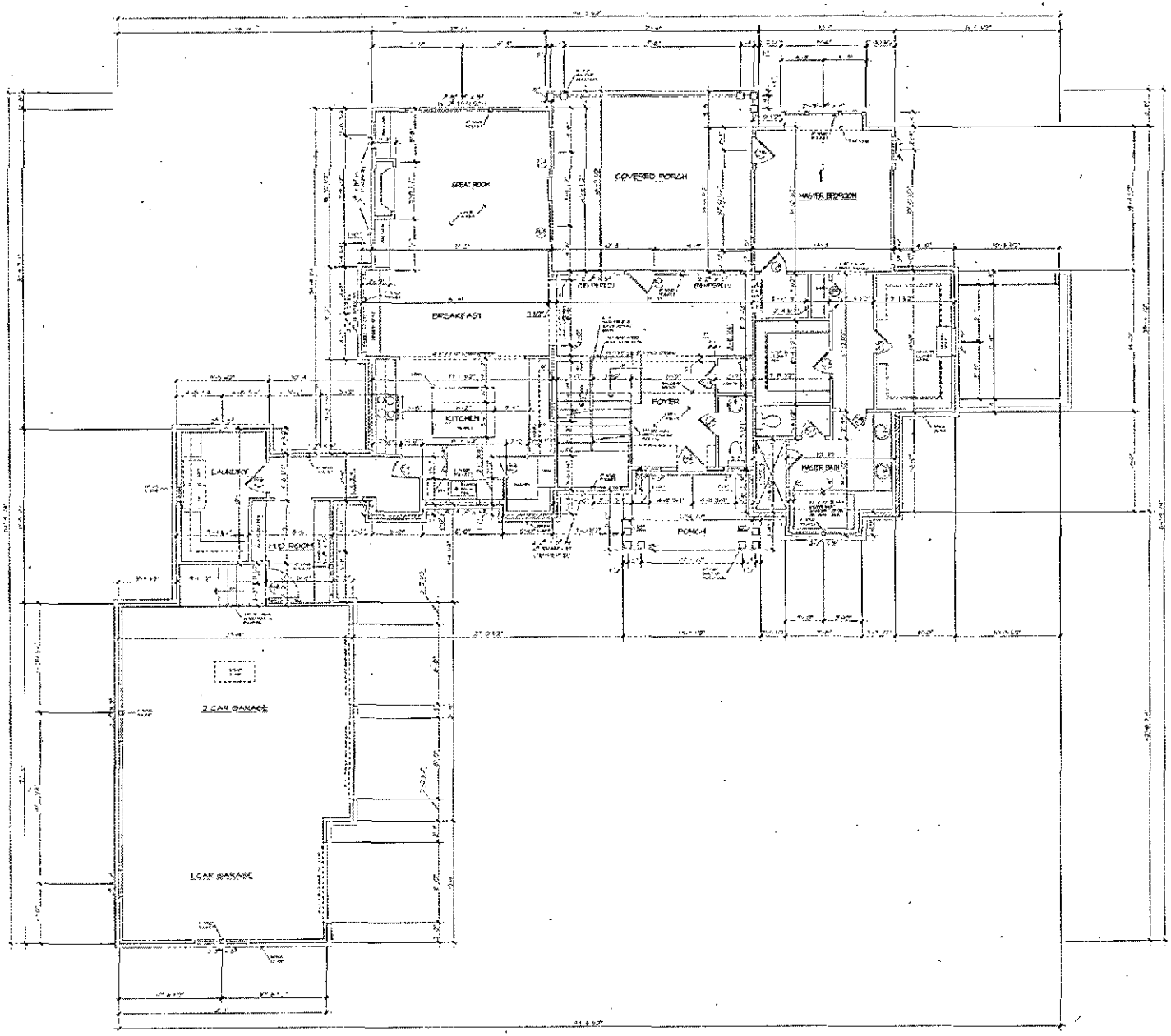
GENERAL NOTES

1. THE WORK SHALL BE DONE IN ACCORDANCE WITH THE 2012 INTERNATIONAL RESIDENTIAL BUILDING CODE
2. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE 2012 INTERNATIONAL ELECTRICAL CODE
3. CONTRACTOR TO VERIFY ALL DIMENSIONS
4. DO NOT SCALE DRAWINGS. THESE ARE PERMIT AND CONSTRUCTION DRAWINGS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH THE WORK
5. ANY CHANGES FROM THESE DRAWINGS MUST BE APPROVED BY THE ARCHITECT. CONSTRUCTION CHANGES NOT APPROVED BY THE ARCHITECT OF RECORD SHALL NOT ENGAGE THE ARCHITECT'S LIABILITY
6. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2012 INTERNATIONAL RESIDENTIAL BUILDING CODE
7. ALL WORK SHALL BE PERFORMED BY WORKMEN SKILLED IN THEIR RESPECTIVE TRADES
8. ALL BEDROOMS SHALL BE PROVIDED WITH SMOKE DETECTORS AND CARBON MONOXIDE DETECTORS
9. ALL BATHROOMS SHALL BE PROVIDED WITH EXHAUST FANS VENTED TO THE EXTERIOR
10. ALL EXTERIOR DOORS AND WINDOWS SHALL BE WEATHERSTRIPPED TO PREVENT AIR INFILTRATION
11. ALL GLAZING IN DOORS, SIDELIGHTS, AND WITHIN 24" OF A DOOR SHALL BE TEMPERED
12. ALL GLAZING IN WET AREAS SHALL BE TEMPERED
13. ALL STAIRWAYS SHALL HAVE HANDRAILS ON AT LEAST ONE SIDE
14. ALL GUARDRAILS SHALL BE A MINIMUM OF 36" HIGH
15. ALL EXTERIOR WOOD TRIM AND SIDING SHALL BE PAINTED OR STAINED
16. ALL PLUMBING FIXTURES SHALL BE LOW-FLOW TYPE
17. ALL LIGHTING SHALL BE HIGH-EFFICACY OR CONTROLLED BY OCCUPANCY SENSORS
18. ALL INSULATION SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS
19. ALL DUCTWORK SHALL BE SEALED AND INSULATED
20. ALL MECHANICAL EQUIPMENT SHALL BE SIZED PER ACCA MANUAL J
21. ALL WATER HEATERS SHALL BE SEISMICALLY RESTRAINED
22. ALL ELECTRICAL OUTLETS SHALL BE TAMPER-RESISTANT
23. ALL GFCI OUTLETS SHALL BE PROVIDED IN ACCORDANCE WITH NEC
24. ALL AFCI BREAKERS SHALL BE PROVIDED IN ACCORDANCE WITH NEC
25. ALL SMOKE ALARMS SHALL BE INTERCONNECTED AND HARDWIRED WITH BATTERY BACKUP
26. ALL CARBON MONOXIDE ALARMS SHALL BE INTERCONNECTED AND HARDWIRED WITH BATTERY BACKUP
27. ALL ROOFING SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS
28. ALL FLASHING SHALL BE INSTALLED TO PREVENT WATER INTRUSION
29. ALL GUTTERS AND DOWNSPOUTS SHALL BE PROVIDED AND CONNECTED TO A DRAINAGE SYSTEM
30. ALL GRADING SHALL SLOPE AWAY FROM THE BUILDING FOUNDATION
31. ALL EXCAVATIONS SHALL BE PROTECTED AND SHORED AS REQUIRED
32. ALL CONCRETE SHALL BE PROPORTIONED, MIXED, PLACED, AND CURED PER ACI 318
33. ALL REINFORCING STEEL SHALL BE ASTM A615 GRADE 60
34. ALL STRUCTURAL LUMBER SHALL BE GRADED AND STAMPED BY AN APPROVED AGENCY
35. ALL ENGINEERED WOOD PRODUCTS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS
36. ALL STEEL SHALL BE PROTECTED FROM CORROSION
37. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS
38. ALL BOLTED CONNECTIONS SHALL BE TIGHTENED TO SNUG TIGHT
39. ALL ANCHOR BOLTS SHALL BE EMBEDDED A MINIMUM OF 7" INTO CONCRETE
40. ALL SHEAR WALLS SHALL BE NAILED PER THE SHEAR WALL SCHEDULE
41. ALL HOLDOWNS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS
42. ALL FOUNDATION VENTS SHALL BE SCREENED
43. ALL CRAWL SPACES SHALL HAVE A MINIMUM OF 18" CLEARANCE
44. ALL CRAWL SPACES SHALL HAVE ACCESS OPENINGS
45. ALL UNDERFLOOR INSULATION SHALL BE SUPPORTED
46. ALL PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES SHALL BE FIRESTOPPED
47. ALL DUCTWORK IN UNCONDITIONED SPACES SHALL BE INSULATED TO R-8
48. ALL DUCTWORK SHALL BE SUPPORTED AT INTERVALS NOT EXCEEDING 4'-0"
49. ALL FLEXIBLE DUCTWORK SHALL BE LIMITED TO 5'-0" IN LENGTH
50. ALL DUCTWORK SHALL BE SMOOTH INTERIOR TYPE
51. ALL RETURN AIR OPENINGS SHALL BE PROVIDED WITH FILTERS
52. ALL EXHAUST FANS SHALL BE VENTED TO THE EXTERIOR
53. ALL RANGE HOODS SHALL BE VENTED TO THE EXTERIOR
54. ALL DRYER VENTS SHALL BE VENTED TO THE EXTERIOR
55. ALL GAS APPLIANCES SHALL BE PROVIDED WITH COMBUSTION AIR
56. ALL GAS PIPING SHALL BE PRESSURE TESTED
57. ALL GAS APPLIANCES SHALL BE PROVIDED WITH SHUTOFF VALVES
58. ALL WATER HEATERS SHALL BE PROVIDED WITH EXPANSION TANKS
59. ALL WATER HEATERS SHALL BE PROVIDED WITH T&P RELIEF VALVES
60. ALL WATER HEATERS SHALL BE PROVIDED WITH DRAIN PANS
61. ALL WATER HEATERS SHALL BE PROVIDED WITH SEISMIC STRAPS
62. ALL WATER HEATERS SHALL BE PROVIDED WITH EARTHQUAKE VALVES
63. ALL WATER HEATERS SHALL BE PROVIDED WITH EXPANSION TANKS
64. ALL WATER HEATERS SHALL BE PROVIDED WITH T&P RELIEF VALVES
65. ALL WATER HEATERS SHALL BE PROVIDED WITH DRAIN PANS
66. ALL WATER HEATERS SHALL BE PROVIDED WITH SEISMIC STRAPS
67. ALL WATER HEATERS SHALL BE PROVIDED WITH EARTHQUAKE VALVES
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83. ALL WATER HEATERS SHALL BE PROVIDED WITH EXPANSION TANKS
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98. ALL WATER HEATERS SHALL BE PROVIDED WITH EXPANSION TANKS
99. ALL WATER HEATERS SHALL BE PROVIDED WITH T&P RELIEF VALVES
100. ALL WATER HEATERS SHALL BE PROVIDED WITH DRAIN PANS

SAUSSY-BURBANK
LOT 5, 1068 PENNY ROAD

Tina Harrie Design LLC

A3



FIRST FLOOR PLAN

AREA:	
BASEMENT HEATED	
1ST FLOOR HEATED	2246 SQ. FT.
2ND FLOOR HEATED	1084 SQ. FT.
TOTAL HEATED AREA	3331 SQ. FT.
GARAGE & STORAGE	604 SQ. FT.
BASEMENT GARAGE & LAND STORAGE	151 SQ. FT.
FRONT PORCH	109 SQ. FT.
COVERED PATIO	364 SQ. FT.
COVERED PORCH	364 SQ. FT.
TOTAL AREA	4951 SQ. FT.

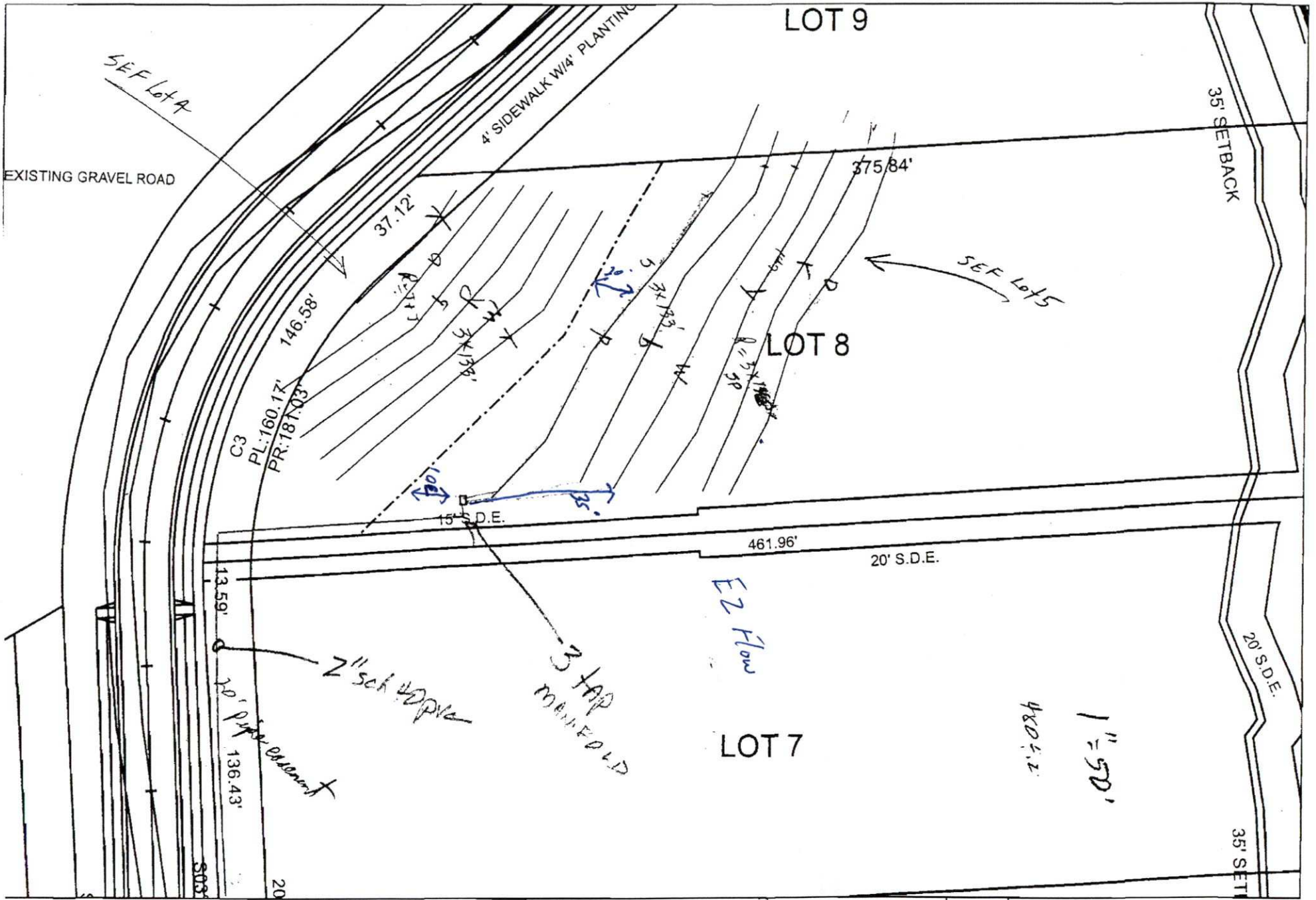
GENERAL NOTES FOR FIRST FLOOR

GENERAL NOTES:

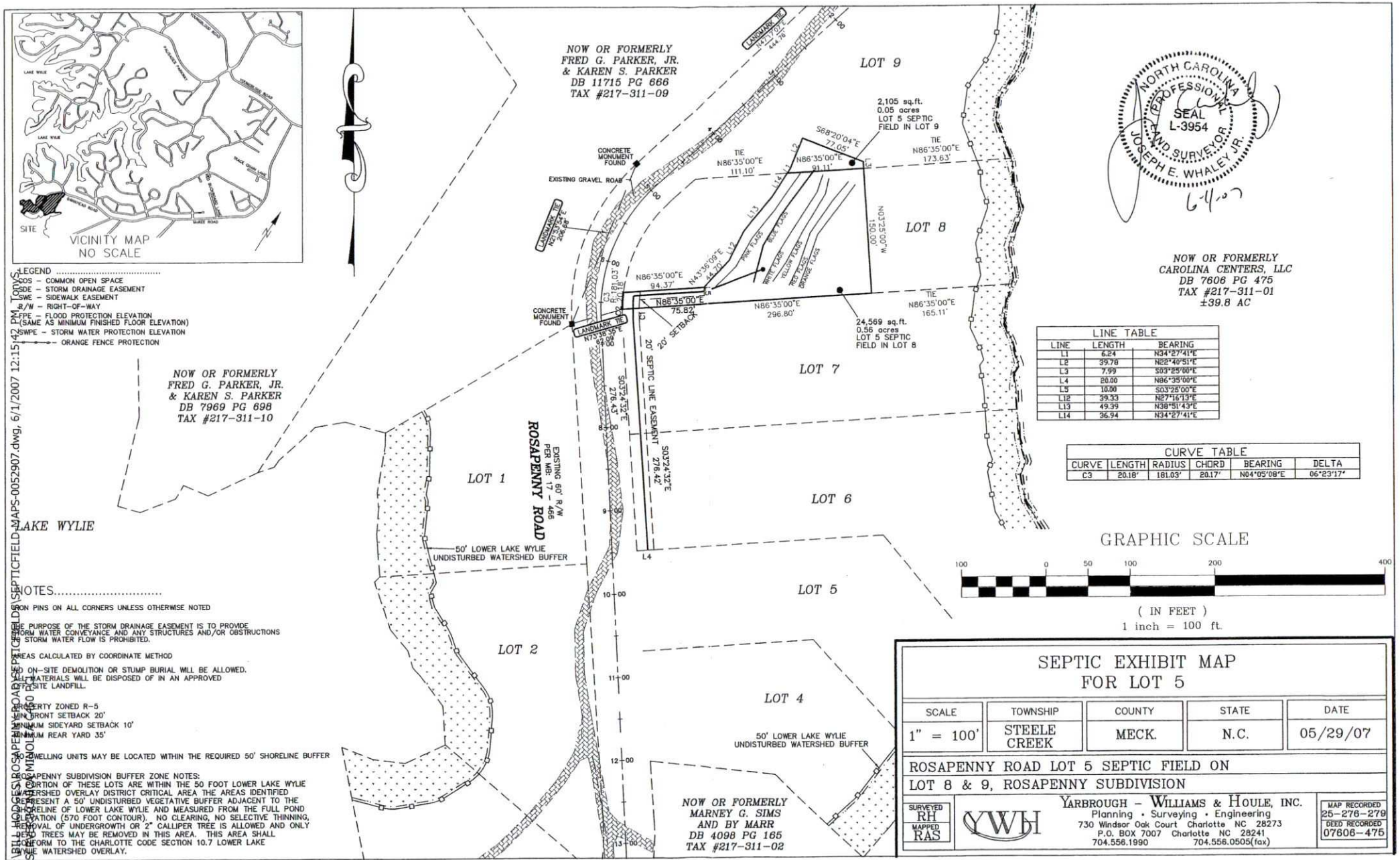
1. [illegible]
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2003 NORTH CAROLINA RESIDENTIAL BUILDING CODE AND LOCAL BUILDING CODES.
3. CONTRACTOR TO VERIFY ALL DIMENSIONS.
4. [illegible]
5. [illegible]
6. [illegible]
7. [illegible]
8. [illegible]
9. [illegible]
10. [illegible]
11. [illegible]
12. [illegible]
13. [illegible]
14. [illegible]
15. [illegible]
16. [illegible]

SAUSSY-BURBANK
LOT 5 ROSAPENNY ROAD

AZ



Scale: 1 inch equals 50 feet	LKW Development - Rosapenny Dr.	FIGURE
Drawn by: JBP	Lot 8 Offsites	1
Reviewed by: TCJ	Mecklenburg County, NC	



LINE TABLE		
LINE	LENGTH	BEARING
L1	6.24	N34°27'41"E
L2	39.78	N28°40'51"E
L3	7.99	S03°25'00"E
L4	20.00	N86°35'00"E
L5	10.00	S03°25'00"E
L12	39.33	N27°16'13"E
L13	49.39	N38°51'43"E
L14	36.94	N34°27'41"E

CURVE TABLE					
CURVE	LENGTH	RADIUS	CHORD	BEARING	DELTA
C3	20.18'	181.03'	20.17'	N04°05'08"E	06°23'17"

SEPTIC EXHIBIT MAP FOR LOT 5

SCALE	TOWNSHIP	COUNTY	STATE	DATE
1" = 100'	STEELE CREEK	MECK.	N.C.	05/29/07

ROSAPENNY ROAD LOT 5 SEPTIC FIELD ON LOT 8 & 9, ROSAPENNY SUBDIVISION

SURVEYED RH
MAPPED RAS

YARBROUGH – WILLIAMS & HOULE, INC.
Planning • Surveying • Engineering
730 Windsor Oak Court Charlotte NC 28273
P.O. BOX 7007 Charlotte NC 28241
704.556.1990 704.556.0505(fax)

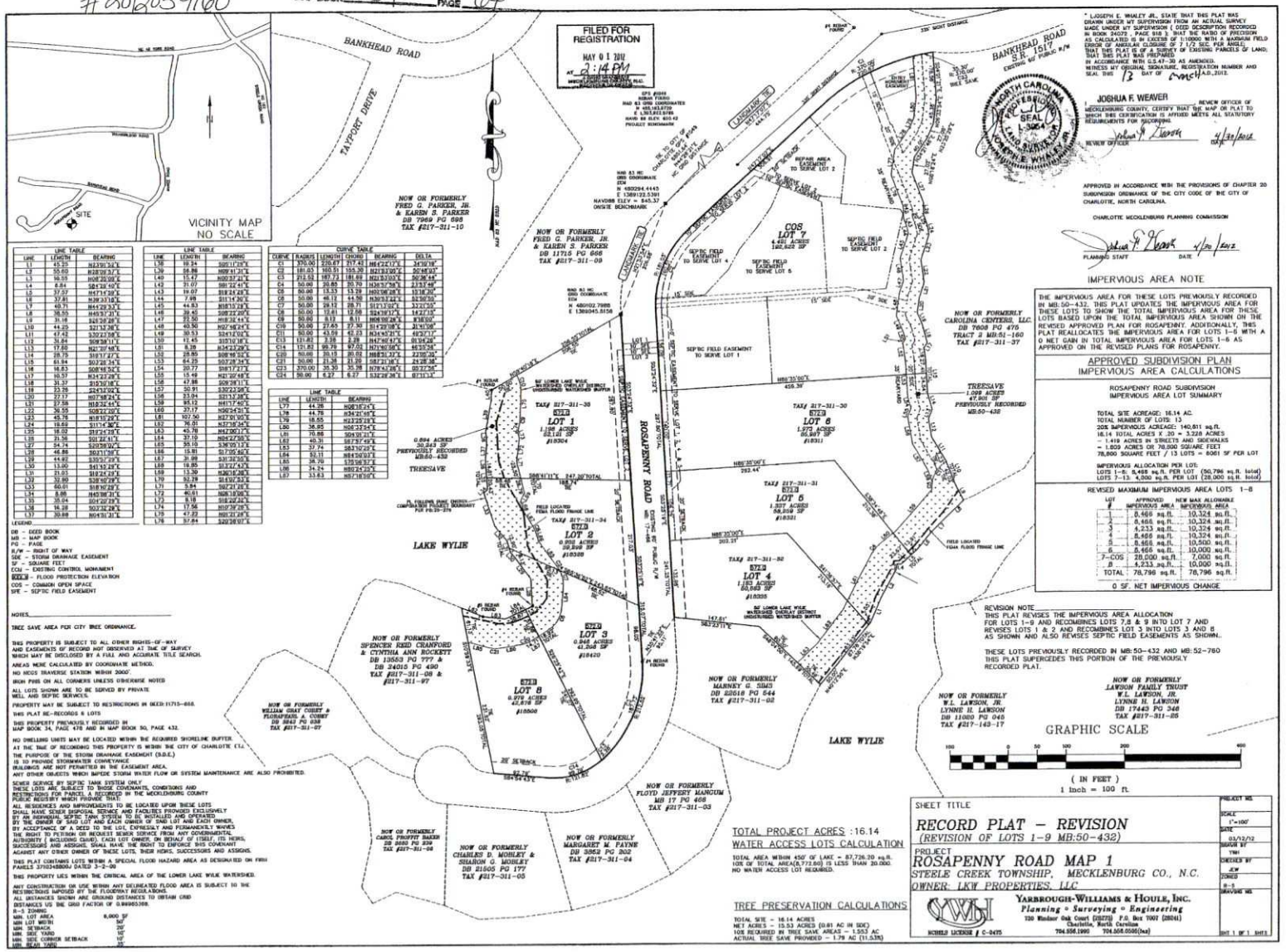
MAP RECORDED 25-276-279
DEED RECORDED 07606-475

PLOTTED: 6/1/2007 12:15:42 PM, Tonya
I:\ROSAPENNY ROAD\SEPTICFIELD-MAPS-0052907.dwg, 6/1/2007 12:15:42 PM, Tonya

B54 - P64

#201205916O

MAP BOOK 54 PAGE 64



LINE TABLE		
LINE	LENGTH	BEARING
L1	45.25	N23°01'34"E
L2	55.60	N28°09'57"E
L3	16.55	N08°25'02"E
L4	6.84	S81°32'45"E
L5	37.57	N47°14'39"E
L6	37.81	N39°31'18"E
L7	40.71	N44°29'33"E
L8	38.55	N49°57'31"E
L9	31.16	S42°26'28"E
L10	44.25	S21°32'38"E
L11	47.42	S30°21'38"E
L12	31.84	S08°38'11"E
L13	17.60	N21°07'46"E
L14	28.75	S18°17'47"E
L15	61.94	S03°28'34"E
L16	16.83	S08°46'52"E
L17	10.57	N24°27'28"E
L18	31.37	S09°38'11"E
L19	23.75	S25°57'09"E
L20	27.17	N07°58'24"E
L21	27.58	N41°37'45"E
L22	39.55	S08°22'20"E
L23	45.75	N18°10'20"E
L24	18.69	S11°47'36"E
L25	16.02	S19°24'39"E
L26	31.56	S02°32'41"E
L27	54.74	S20°09'0"E
L28	46.86	S03°11'59"E
L29	44.82	S30°57'39"E
L30	13.90	S41°55'28"E
L31	23.01	N18°24'29"E
L32	32.80	S28°40'29"E
L33	60.01	S18°30'29"E
L34	8.85	N43°08'31"E
L35	35.04	S04°20'29"E
L36	16.28	S03°32'28"E
L37	30.88	N04°31'31"E

LINE TABLE		
LINE	LENGTH	BEARING
L38	19.24	S20°17'29"E
L39	56.86	N09°41'31"E
L40	15.47	N03°37'41"E
L41	31.07	S81°32'45"E
L42	19.07	S18°24'29"E
L43	7.49	S11°14'30"E
L44	44.83	N18°15'28"E
L45	39.40	S08°22'20"E
L46	39.50	N18°32'44"E
L47	40.50	N27°48'24"E
L48	30.53	S24°52'00"E
L49	12.45	S15°51'16"E
L50	8.39	N24°22'29"E
L51	28.85	S08°46'52"E
L52	64.25	S03°28'34"E
L53	20.77	S48°17'27"E
L54	15.49	N21°20'48"E
L55	47.88	S09°38'11"E
L56	50.91	S39°23'58"E
L57	23.04	S21°37'38"E
L58	95.12	N41°37'45"E
L59	37.17	N56°54'26"E
L60	102.50	N27°26'00"E
L61	76.01	N23°18'34"E
L62	45.78	N42°00'12"E
L63	37.10	N05°42'58"E
L64	55.10	S36°05'13"E
L65	37.74	S83°10'26"E
L66	52.11	N84°49'03"E
L67	38.70	S75°56'37"E
L68	19.85	S13°27'43"E
L69	13.30	N36°16'26"E
L70	52.78	S14°07'03"E
L71	5.84	S62°21'29"E
L72	40.61	N28°18'06"E
L73	8.18	S18°22'24"E
L74	17.56	S03°39'26"E
L75	47.22	N02°21'28"E
L76	37.84	S20°28'07"E

CURVE TABLE					
CURVE	RADIUS	LENGTH	CHORD	BEARING	DELTA
C1	370.00	220.87	217.45	N64°22'12"E	34°12'16"
C2	181.63	160.51	155.30	N21°33'05"E	50°38'03"
C3	212.53	187.71	181.69	N23°33'03"E	50°36'46"
C4	50.00	20.85	20.70	N36°57'58"E	23°53'48"
C5	50.00	15.33	15.28	N09°08'28"E	15°16'30"
C6	50.00	46.12	44.56	N30°53'44"E	52°50'55"
C7	50.00	28.12	28.71	S13°13'10"E	32°12'35"
C8	50.00	17.61	17.58	S24°38'13"E	18°27'35"
C9	50.00	8.13	8.11	S08°58'26"E	9°18'50"
C10	50.00	27.65	27.30	S14°29'08"E	31°41'08"
C11	50.00	43.59	42.23	N24°40'21"E	49°57'10"
C12	131.82	2.28	2.28	N42°46'43"E	01°04'26"
C13	131.82	99.78	97.52	N21°06'08"E	46°39'56"
C20	50.00	20.15	20.02	N68°51'37"E	23°05'26"
C21	50.00	21.26	21.10	S87°21'38"E	24°21'36"
C23	370.00	35.30	35.28	S78°42'26"E	05°27'56"
C24	50.00	6.27	6.27	S32°28'36"E	07°11'14"

LINE TABLE		
LINE	LENGTH	BEARING
L77	44.38	N08°18'24"E
L78	44.75	N34°21'48"E
L79	18.55	N23°25'18"E
L80	36.95	N06°32'54"E
L81	70.88	S04°01'31"E
L82	40.31	S87°37'49"E
L83	37.74	S83°10'26"E
L84	52.11	N84°49'03"E
L85	38.70	S75°56'37"E
L86	34.24	N80°24'25"E
L87	33.63	N57°18'50"E

DB -- DEED BOOK
MB -- MAP BOOK
PG -- PAGE
R/W -- RIGHT OF WAY
SDE -- STORM DRAINAGE EASEMENT
SF -- SQUARE FEET
ECM -- EXISTING CONTROL MONUMENT
FPE -- FLOOD PROTECTION ELEVATION
COS -- COMMON OPEN SPACE
SPE -- SEPTIC FIELD EASEMENT

NOTES:

TREE SAVE AREA PER CITY TREE ORDINANCE.

THIS PROPERTY IS SUBJECT TO ALL OTHER RIGHTS-OF-WAY AND EASEMENTS OF RECORD NOT OBSERVED AT TIME OF SURVEY WHICH MAY BE DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH.

AREAS WERE CALCULATED BY COORDINATE METHOD.

NO NCGS TRAVERSE STATION WITHIN 2000'

IRON PIPES ON ALL CORNERS UNLESS OTHERWISE NOTED

ALL LOTS SHOWN ARE TO BE SERVED BY PRIVATE WELL AND SEPTIC SERVICES.

PROPERTY MAY BE SUBJECT TO RESTRICTIONS IN DEED 11715-668.

THIS PLAT RE-RECORDS 6 LOTS

THIS PROPERTY PREVIOUSLY RECORDED IN MAP BOOK 34, PAGE 478 AND IN MAP BOOK 50, PAGE 432.

NO DWELLING UNITS MAY BE LOCATED WITHIN THE REQUIRED SHORELINE BUFFER.

AT THE TIME OF RECORDING THIS PROPERTY IS WITHIN THE CITY OF CHARLOTTE ETJ.

THE PURPOSE OF THE STORM DRAINAGE EASEMENT (S.D.E.) IS TO PROVIDE STORMWATER CONVEYANCE. BUILDINGS ARE NOT PERMITTED IN THE EASEMENT AREA. ANY OTHER OBJECTS WHICH IMPEDE STORM WATER FLOW OR SYSTEM MAINTENANCE ARE ALSO PROHIBITED.

SEWER SERVICE BY SEPTIC TANK SYSTEM ONLY
THESE LOTS ARE SUBJECT TO THOSE COVENANTS, CONDITIONS AND RESTRICTIONS FOR PARCEL A RECORDED IN THE MECKLENBURG COUNTY PUBLIC REGISTRY WHICH PROVIDE THAT:
ALL RESIDENCES AND IMPROVEMENTS TO BE LOCATED UPON THESE LOTS SHALL HAVE SEWER DISPOSAL SERVICE AND FACILITIES PROVIDED EXCLUSIVELY BY AN INDIVIDUAL SEPTIC TANK SYSTEM TO BE INSTALLED AND OPERATED BY THE OWNER OF SAID LOT AND EACH OWNER OF SAID LOT AND EACH OWNER, BY ACCEPTANCE OF A DEED TO THE LOT, EXPRESSLY AND PERMANENTLY WAIVES THE RIGHT TO PETITION OR REQUEST SEWER SERVICE FROM ANY GOVERNMENTAL AUTHORITY (INCLUDING CLAIM). EACH LOT OWNER, ON BEHALF OF ITSELF, ITS HEIRS, SUCCESSORS AND ASSIGNS, SHALL HAVE THE RIGHT TO ENFORCE THIS COVENANT AGAINST ANY OTHER OWNER OF THESE LOTS, THEIR HEIRS, SUCCESSORS AND ASSIGNS.

THIS PLAT CONTAINS LOTS WITHIN A SPECIAL FLOOD HAZARD AREA AS DESIGNATED ON FIRM PANELS 3710348800J DATED 3-2-09

THIS PROPERTY LIES WITHIN THE CRITICAL AREA OF THE LOWER LAKE WYLIE WATERSHED.

ANY CONSTRUCTION OR USE WITHIN ANY DELINEATED FLOOD AREA IS SUBJECT TO THE RESTRICTIONS IMPOSED BY THE FLOODWAY REGULATIONS.
ALL DISTANCES SHOWN ARE GROUND DISTANCES TO OBTAIN GRID DISTANCES USE THE GRID FACTOR OF 0.999953369.

R-5 ZONING:

MIN. LOT AREA	6,000 SF
MIN LOT WIDTH	50'
MIN. SETBACK	20'
MIN. SIDE YARD	10'
MIN. SIDE CORNER SETBACK	15'
MIN. REAR YARD	10'

* I, JOSEPH E. WHALEY JR., STATE THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION (DEED DESCRIPTION RECORDED IN BOOK 24072 , PAGE 810); THAT THE RATIO OF PRECISION AS CALCULATED IS IN EXCESS OF 1:10000 WITH A MAXIMUM FIELD ERROR OF ANGULAR CLOSURE OF 7 1/2 SEC. PER ANGLE; THAT THIS PLAT IS OF A SURVEY OF EXISTING PARCELS OF LAND; THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S.47-30 AS AMENDED. WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 13 DAY OF March A.D., 2012.

NORTH CAROLINA PROFESSIONAL SEAL L-3264 LAND SURVEYOR JOSEPH E. WHALEY

JOSHUA F. WEAVER REVIEW OFFICER OF MECKLENBURG COUNTY, CERTIFY THAT THE MAP OR PLAT TO WHICH THIS CERTIFICATION IS AFFIXED MEETS ALL STATUTORY REQUIREMENTS FOR RECORDING.

REVIEW OFFICER 4/30/2012

APPROVED IN ACCORDANCE WITH THE PROVISIONS OF CHAPTER 20 SUBDIVISION ORDINANCE OF THE CITY CODE OF THE CITY OF CHARLOTTE, NORTH CAROLINA.

CHARLOTTE MECKLENBURG PLANNING COMMISSION

PLANNING STAFF 4/30/2012 DATE

IMPERVIOUS AREA NOTE

THE IMPERVIOUS AREA FOR THESE LOTS PREVIOUSLY RECORDED IN MB:50-432. THIS PLAT UPDATES THE IMPERVIOUS AREA FOR THESE LOTS TO SHOW THE TOTAL IMPERVIOUS AREA FOR THESE LOTS BASED UPON THE TOTAL IMPERVIOUS AREA SHOWN ON THE REVISED APPROVED PLAN FOR ROSAPENNY. ADDITIONALLY, THIS PLAT REALLOCATES THE IMPERVIOUS AREA FOR LOTS 1-8 WITH A 0 NET GAIN IN TOTAL IMPERVIOUS AREA FOR LOTS 1-8 AS APPROVED ON THE REVISED PLANS FOR ROSAPENNY.

APPROVED SUBDIVISION PLAN
IMPERVIOUS AREA CALCULATIONS

ROSAPENNY ROAD SUBDIVISION
IMPERVIOUS AREA LOT SUMMARY

TOTAL SITE ACREAGE: 16.14 AC.
TOTAL NUMBER OF LOTS: 13
20% IMPERVIOUS ACREAGE: 140,611 sq.ft.
16.14 TOTAL ACRES X .20 = 3.228 ACRES
- 1.418 ACRES IN STREETS AND SIDEWALKS
= 1.809 ACRES OR 78,800 SQUARE FEET
78,800 SQUARE FEET / 13 LOTS = 8061 SF PER LOT

IMPERVIOUS ALLOCATION PER LOT:
LOTS 1-6: 8,465 sq.ft. PER LOT (50,796 sq.ft. total)
LOTS 7-13: 4,000 sq.ft. PER LOT (28,000 sq.ft. total)

REVISED MAXIMUM IMPERVIOUS AREA LOTS 1-8

LOT #	APPROVED IMPERVIOUS AREA	NEW MAX ALLOWABLE IMPERVIOUS AREA
1	8,465 sq.ft.	10,324 sq.ft.
2	8,465 sq.ft.	10,324 sq.ft.
3	8,233 sq.ft.	10,324 sq.ft.
4	8,465 sq.ft.	10,324 sq.ft.
5	8,465 sq.ft.	10,500 sq.ft.
6	8,465 sq.ft.	10,000 sq.ft.
7-COS	28,000 sq.ft.	7,000 sq.ft.
8	4,233 sq.ft.	10,000 sq.ft.
TOTAL:	78,796 sq.ft.	78,796 sq.ft.

0 SF. NET IMPERVIOUS CHANGE

REVISION NOTE
THIS PLAT REVISES THE IMPERVIOUS AREA ALLOCATION FOR LOTS 1-9 AND RECOMBINES LOTS 7,8 & 9 INTO LOT 7 AND REVISES LOTS 1 & 2 AND RECOMBINES LOT 3 INTO LOTS 3 AND 8 AS SHOWN AND ALSO REVISES SEPTIC FIELD EASEMENTS AS SHOWN.

THESE LOTS PREVIOUSLY RECORDED IN MB:50-432 AND MB:52-760 THIS PLAT SUPERCEDES THIS PORTION OF THE PREVIOUSLY RECORDED PLAT.

TOTAL PROJECT ACRES :16.14

WATER ACCESS LOTS CALCULATION

TOTAL AREA WITHIN 450' OF LAKE = 87,726.20 sq.ft.
10% OF TOTAL AREA(8,772.60) IS LESS THAN 20,000.
NO WATER ACCESS LOT REQUIRED.

TREE PRESERVATION CALCULATIONS

TOTAL SITE = 16.14 ACRES
NET ACRES = 13.53 ACRES (0.61 AC IN SDC)
10% REQUIRED IN TREE SAVE AREAS = 1.553 AC
ACTUAL TREE SAVE PROVIDED = 1.79 AC (11.53%)

SHEET TITLE
RECORD PLAT - REVISION
(REVISION OF LOTS 1-9 MB:50-432)

PROJECT
ROSAPENNY ROAD MAP 1
STEELE CREEK TOWNSHIP, MECKLENBURG CO., N.C.

OWNER: LKW PROPERTIES, LLC

PROJECT NO.
SCALE 1"=100'
DATE 03/12/12
DRAWN BY YNH
CHECKED BY JCW
ZONED R-5
DRAWING NO.
SHT 1 OF 1 SHTS

YARBROUGH-WILLIAMS & HOULE, INC.
Planning ◦ Surveying ◦ Engineering
120 Windsor Oak Court (28270) P.O. Box 7007 (28241)
Charlotte, North Carolina
704.556.1990 704.556.0506(fax)
NCBELS LICENSE # C-0475

REQUESTED BY: TOMMY CROWELL PH. NO.: _____ DATE: 1/28/2015
APPROVED BY: _____ DATE: _____ rev: 4/21/2015

THE APPROVING AGENT HAS VERIFIED THAT DIMENSION ARE CORRECT PER THE FOUNDATION PLAN AND ANY ADDED OPTIONS.

SITE DEVELOPMENT PLAN

CITY OF CHARLOTTE ETJ JURISDICTION – ZONING: R-5
MAXIMUM IMPERVIOUS AREA FOR LOT 6: 9,996 SF
MIN LOT AREA: 6,000 SF
MIN. LOT WIDTH: 50'
MIN. SETBACK : 20'
MIN. REAR YARD: 35
MIN. SIDE YARD : 10'

IMPERVIOUS ALLOWED BY PLAT:	10,500 SF
IMPERVIOUS SHOWN THIS SITE PLAN:	
1,126 sq. ft.	lake room pad/ walk
3,586 sq. ft.	drive
3,083 sq. ft.	house
362 sq. ft.	porch / patio
150 sq. ft.	retaining wall
7,207 sq. ft.	

HARRIS ENGINEERING
Engineering
Planning • Surveying
1325 Harding Place
Charlotte, NC 28204
704.334.1325
704.334.1330 Fax

GRID NORTH (NB 62 PG 760)

LOT 6
MAP BOOK 54 PG 64

N 86°35'00" E 292.44'
17.30'
10' SIDEYARD
29.65'
S 38°34'48" E 210.38'
10' SIDEYARD
N 86°35'00" E 202.21'
18.67'
10' SIDEYARD
S 41°36'57" E 213.16'

20' SEPTIC EASEMENT
N03° 25' 19"W 108.29'
ROSAPENNY ROAD
60' PUBLIC R/W
20' SEPTIC EASEMENT TO SERVE LOT 4
20' FRONT SETBACK

LOT 5
58,260 SF
1.34 AC
FPE = 572.0

HOA WELL ACCESS EASEMENT
DEED BOOK 27034 PG 784

249.35'

Sleeved
Supply line replaced 6-10-15
1" in DIP 10' deep

PROPOSED RETAINING WALL
SEE INSET
126.27'
PROPOSED RETAINING WALL
PROPOSED RETAINING WALL

LOT 4
MAP BOOK 54 PG 64

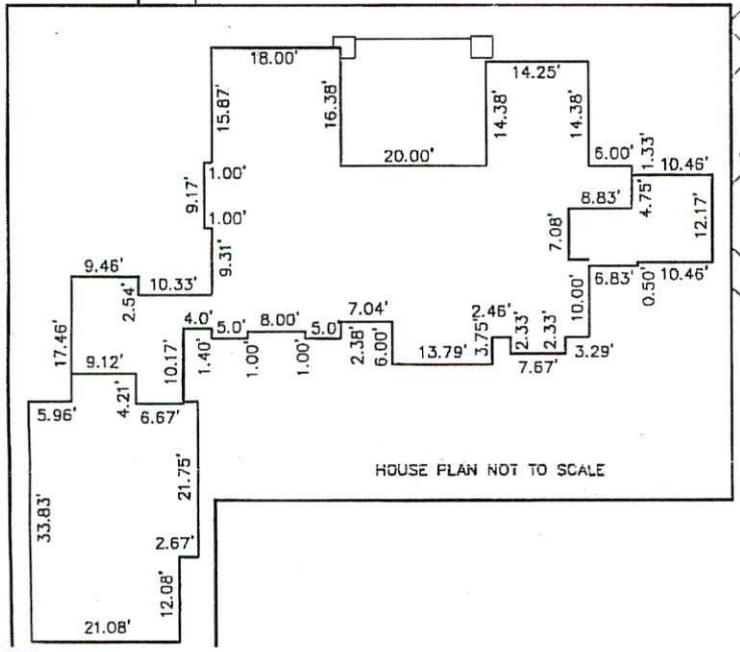
50' LOWER LAKE WYLIE WATERSHED OVERLAY DISTRICT UNDISTURBED BUFFER

LAKE WYLIE

FEMA FLOOD FRINGE LINE PER PLAT

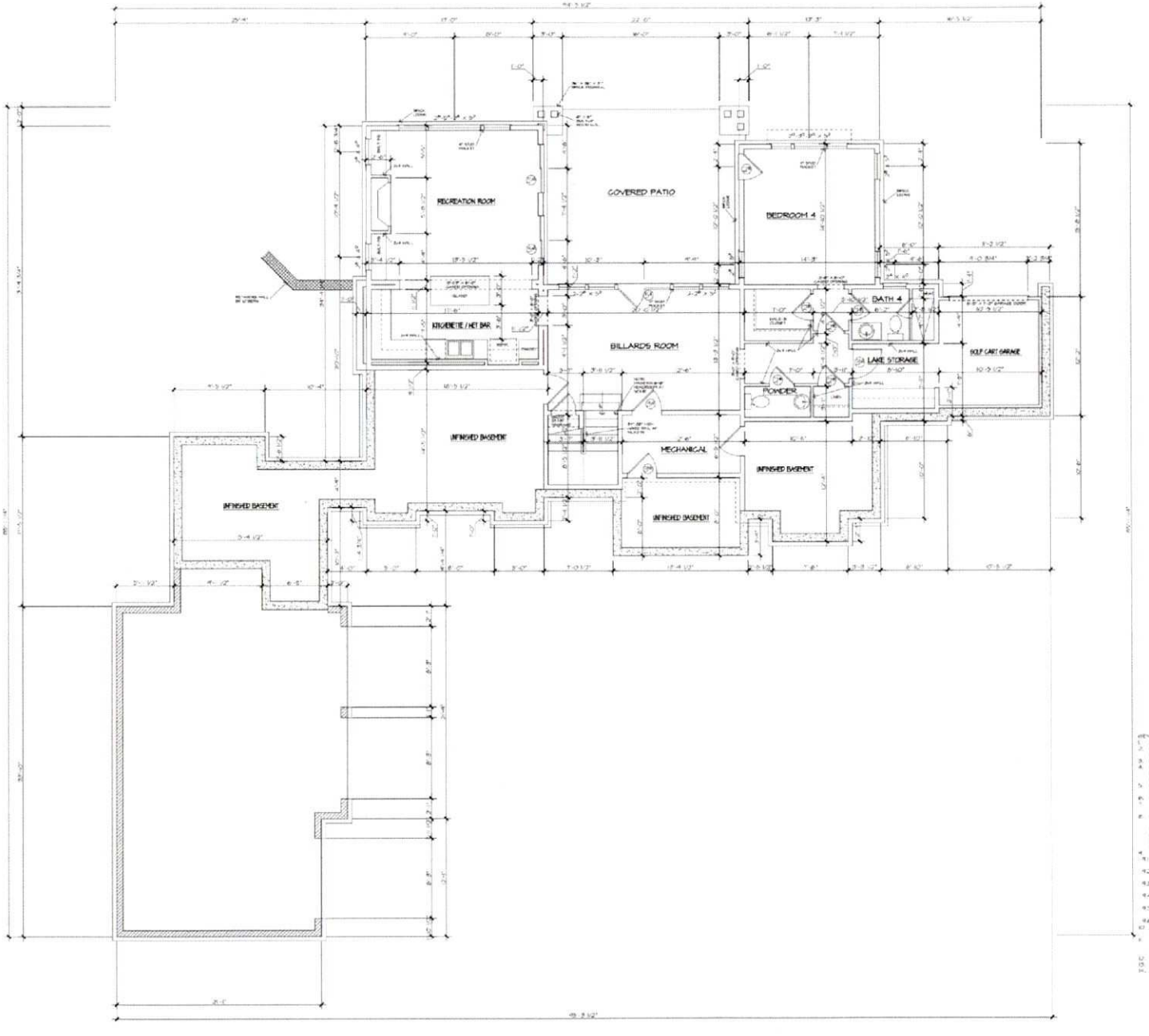
PROPERTY FOLLOWS DUKE ENERGY CORP. PROJECT BNDY

LINE TABLE		
LINE	LENGTH	BEARING
L1	23.66	S 47°14'59" W
L2	6.84	S 84°29'40" E
L3	10.55	S 08°35'09" W
L4	55.60	S 28°09'57" W
L5	45.25	S 23°01'52" W
L6	4.56	S 38°19'54" W
L7	11.71	N 03°24'32" W



HOUSE PLAN NOT TO SCALE

GRAPHIC SCALE
1 inch = 60 ft.
60 0 30 60



BASEMENT PLAN SCALE: 1/4" = 1'-0"

GENERAL NOTES FOR BASEMENT

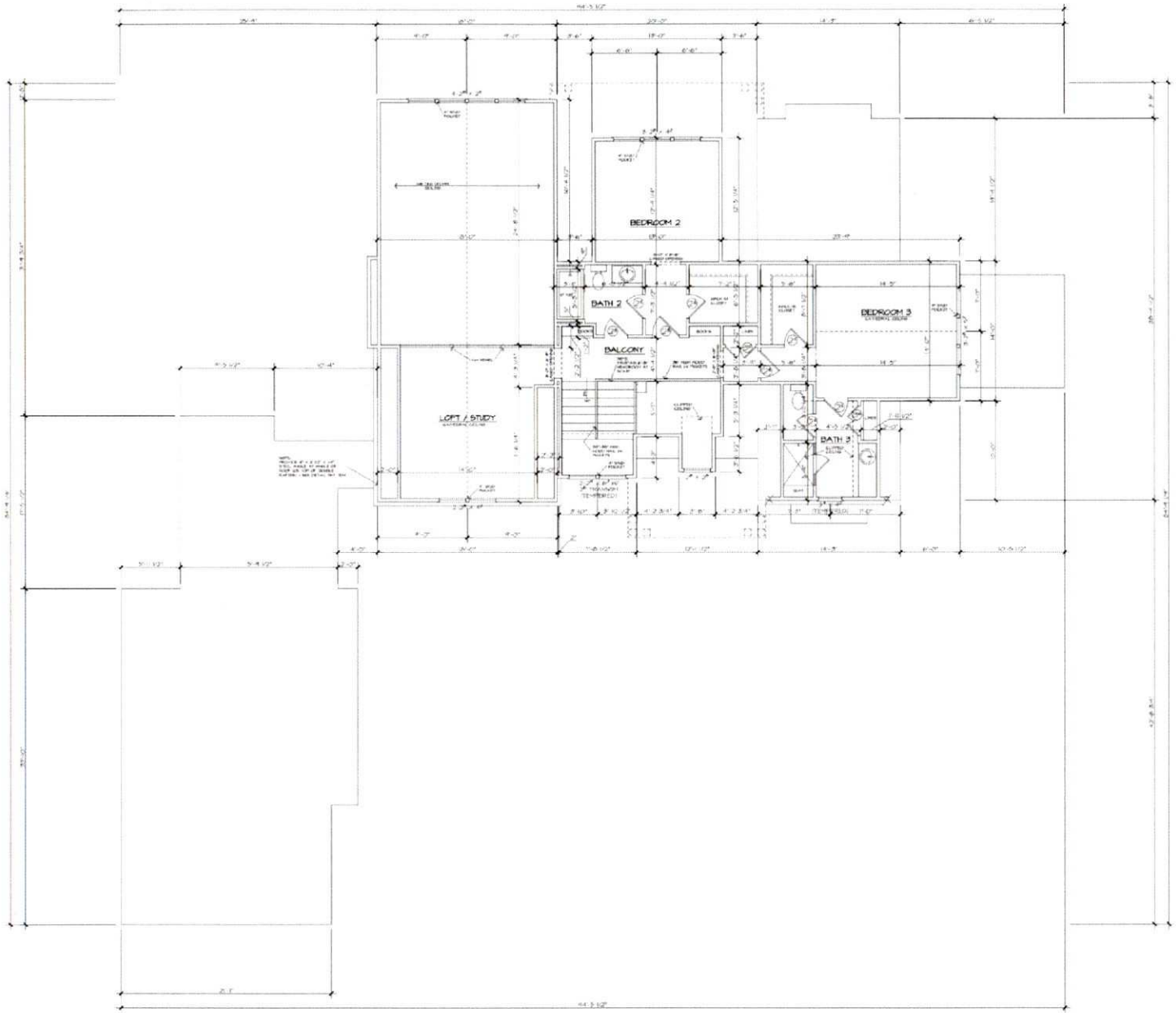
GENERAL NOTES:

1. DESIGN BASED ON 2012 NORTH CAROLINA RESIDENTIAL BUILDING CODE.
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH 2012 NORTH CAROLINA RESIDENTIAL BUILDING CODE AND LOCAL BUILDING CODES.
3. CONTRACTOR TO VERIFY ALL DIMENSIONS.
4. DO NOT SCALE DIMENSIONS FROM PROJECT DRAWINGS. PLANS AND DETAILS ARE NOT ALWAYS DRAWN TO SCALE. USE DIMENSIONS GIVEN OR CONSULT DESIGNER FOR FURTHER CLARIFICATION.
5. BEAM, TRUSS, RAFTER, JOIST, LAYOUT OR SIZES SHALL NOT DEVIATE FROM THIS PLAN UNLESS APPROVED BY ADDAS ENGINEERING, PLLC.
6. PRESUMPTIVE SOIL BEARING PRESSURE: 2,000 psf.
7. ALL FOUNDATIONS SHALL EXTEND A MINIMUM OF 12" BELOW FINISHED GRADE, OR AS NOTED ON THE PROJECT DRAWINGS.
8. LOTS SHALL BE GRADED SO AS TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS. THE GRADE AWAY FROM THE FOUNDATION WALLS SHALL FALL A MINIMUM OF 6" WITHIN THE FIRST 10 FEET. WHERE LOT LINES, WALLS, SLOPES OR OTHER PHYSICAL BARRIERS PROHIBIT 6" OF FALL WITHIN 10 FEET, DRAINS OR SWALES SHALL BE PROVIDED TO ENSURE DRAINAGE AWAY FROM THE STRUCTURE. SURFACE WATER SHALL BE DIVERTED TO APPROVED POINTS OF COLLECTION.
9. MINIMUM SPECIFIED 28 DAY COMPRESSIVE STRENGTH OF CONCRETE:
   - 9.1. BASEMENT WALLS, FOUNDATIONS AND OTHER CONCRETE NOT EXPOSED TO THE WEATHER - 2,500 psi.
   - 9.2. BASEMENT SLABS AND INTERIOR SLABS ON GRADE, EXCEPT GARAGE FLOOR SLABS - 2,500 psi.
   - 9.3. BASEMENT WALLS, FOUNDATION WALLS, EXTERIOR WALLS, AND OTHER VERTICAL CONCRETE WORK EXPOSED TO THE WEATHER - 3,000 psi.
   - 9.4. PORCHES, CARPORT SLABS AND STEPS EXPOSED TO THE WEATHER, AND GARAGE FLOOR SLABS - 3,000 psi.
   - 9.5. CONCRETE SHALL BE AIR ENTRAINED FOR ITEMS 9.3 AND 9.4. TOTAL AIR CONTENT (PERCENT BY VOLUME OF CONCRETE) SHALL NOT BE LESS THAN 5 PERCENT OR MORE THAN 7 PERCENT.
   - 9.6. MINIMUM CEMENT CONTENT SHALL BE AS STATED IN SECTION R402.2 FOR ITEM 9.4.
10. CONTROL JOINTS IN SLAB SHALL BE INSTALLED IN CONCRETE SLABS ON GRADE AS REQUIRED AT A MAXIMUM DEPTH OF 1/4 SLAB THICKNESS (1" FOR 4" THICK SLAB).
11. CONTROL JOINTS SHALL BE CUT AS SOON AS THE SLABS ON GRADE CAN SUPPORT THE WEIGHT OF THE EQUIPMENT AND OPERATOR WITHOUT DAMAGING THE SLAB OR GRADE, BUT NO LONGER THAN 12 HOURS AFTER PLACEMENT.
12. PROVIDE CONTROL JOINTS IN SLAB EVERY 12' (MAX.) ON CENTER AND AT FOUNDATION OFFSETS.
13. SLAB-ON-GRADE REINFORCING SHALL BE 6" x 6" - W1.4 x W1.4.
14. ALL EXTERIOR WALL SHEATHING SHALL BE 7/16" OSB.

SAUSSY-BURBANK
LOT 5, ROSAPENNY ROAD

Tino Homie Design, LLC

A1



SECOND FLOOR PLAN SCALE: 1/4" = 1'-0"

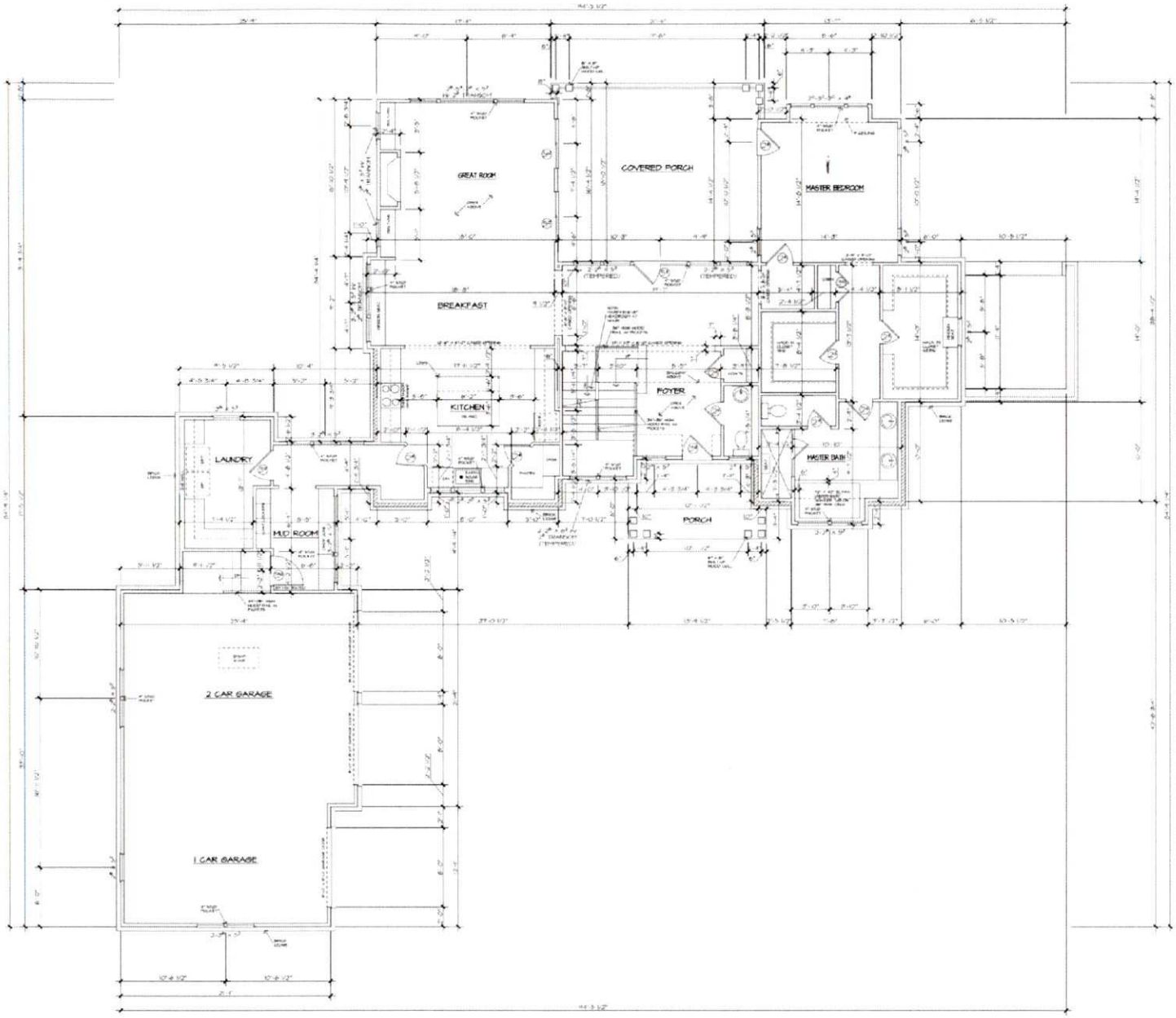
GENERAL NOTES FOR SECOND FLOOR

GENERAL NOTES:
1. DESIGN BASED ON 2012 NORTH CAROLINA RESIDENTIAL BUILDING CODE.
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2012 NORTH CAROLINA RESIDENTIAL BUILDING CODE AND LOCAL BUILDING CODES.
3. CONTRACTOR TO VERIFY ALL DIMENSIONS.
4. DO NOT SCALE DRAWINGS FROM PROJECT DRAWING PLANS AND DETAILS ARE NOT ALWAYS DRAWN TO SCALE. USE DIMENSIONS GIVEN OR CONSULT DESIGNER FOR FURTHER CLARIFICATION.
5. BEAM, TRUSS, AND/OR I" JOIST LAYOUT OR SIZES SHALL NOT DEVIATE FROM THIS PLAN UNLESS APPROVED BY HOOPS ENGINEERING, PLLC.
6. HEADER/BEAM NOTES FOR DIMENSIONAL LUMBER:
   6.1. ALL INTERIOR AND EXTERIOR LOAD BEARING HEADERS SHALL BE (2)2x8 #2 SOUTHERN YELLOW PINE UNLESS OTHERWISE NOTED.
   6.2. ALL EXTERIOR NON LOAD BEARING HEADERS SHALL BE (2)2x8 #2 SOUTHERN YELLOW PINE OR BETTER, UNLESS OTHERWISE NOTED.
   6.3. ALL INTERIOR NON LOAD BEARING HEADERS SHALL BE (2)2x4 #2 SOUTHERN YELLOW PINE OR BETTER, UNLESS OTHERWISE NOTED.
   6.4. ANY HEADER, BEAM, RAFTER, SIZES USING DIMENSIONAL LUMBER OR TIMBER NOTED ON THE DRAWINGS SHALL BE #2 SOUTHERN YELLOW PINE.
   6.5. IF NOT SPECIFIED ON DRAWINGS, A MINIMUM OF ONE JACK STUD SHOULD BE PLACED BENEATH ALL NON LOAD BEARING EXTERIOR AND LOAD BEARING INTERIOR HEADERS. ALSO, A MINIMUM OF ONE JACK STUD SHOULD BE PLACED BENEATH NON LOAD BEARING EXTERIOR AND INTERIOR HEADERS LESS THAN 6' (SIX) FEET IN LENGTH OR GREATER THAN 4 FEET.
7. ALL FLOOR JOIST AND BEAM SIZES ARE DETERMINED FOR THE USE OF #2 SOUTHERN YELLOW PINE. RAFTER AND CEILING JOIST SIZES ARE DETERMINED FOR THE USE OF #2 SPRUCE-PINE-FIR. THE USE OF ANY OTHER GRADE OR SPECIES MUST BE VERIFIED.
8. ALL INTERIOR LOAD BEARING AND ALL EXTERIOR WALLS SHALL BE CONSTRUCTED USING 2x4 SPRUCE-PINE-FIR #2 OR BETTER GRADE LUMBER OR BETTER PROVIDED THAT THE STUDS ARE SPACED A MAXIMUM OF 16" O.C. AND DO NOT EXCEED A LATERALLY UNSUPPORTED WALL HEIGHT OF 10 FEET UNLESS OTHERWISE NOTED.
9. ALL INTERIOR WALLS THAT ARE NON LOAD BEARING AND/OR DO NOT SUPPORT FLOORS MAY BE 2x4 SPRUCE-PINE-FIR #2 OR BETTER GRADE LUMBER OR BETTER PROVIDED THAT THE STUDS ARE SPACED A MAXIMUM OF 16" O.C. AND DO NOT EXCEED A LATERALLY UNSUPPORTED WALL HEIGHT OF 10 FEET UNLESS OTHERWISE NOTED.
10. WHERE JOISTS, TRUSSES, OR RAFTERS ARE SPACED MORE THAN 16" O.C. AND THE BEARING STUDS BELOW ARE SPACED 24" O.C., SUCH MEMBERS SHALL BEAR WITHIN 5" OF THE STUDS BENEATH. ALTERNATELY, WHERE THE WALL STUDS AND TOP PLATES ARE 2x6 WITH THE PREMIUM TYPE AND GRADE, A THIRD TOP PLATE IS INSTALLED OR SOLID BLOCKING EQUAL IN SIZE TO THE STUDS IS INSTALLED TO REINFORCE THE DOUBLE TOP PLATE.
11. FRAMING HEIGHTS:
   11.1. FLOOR TO TOP PLATE SECOND FLOOR = 8'-1 1/2"
   11.2. FLOOR TO HEADER HEAD SECOND FLOOR = 7'-1 0"
12. DESIGN LOADS:
   12.1. SECOND FLOOR TRUSS SPANS DETERMINED BY: 40 psf LIVE, 10 psf DEAD
   12.2. RAFTERS: 20 psf LIVE, 10 psf DEAD
   12.3. ROOF TRUSSES:
      12.3.1. TOP CHORD = 20 psf LIVE, 10 psf DEAD
      12.3.2. BOTTOM CHORD = 0 psf LIVE, 10 psf DEAD
   12.4. 2-FLRS JOIST DESIGN: CANTILEVER 20 psf LIVE, 10 psf DEAD
13. MULTI PLY LVL BEAMS (3 MEMBERS OR MORE) SHALL BE CONNECTED TOGETHER WITH 1/2" DIAMETER BOLTS, 2 ROWS STAGGERED AND SPACED AT 12" O.C. IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.
14. BUILT-UP BEAMS AND WALL STUDS SHALL BE CONSTRUCTED WITH CONTINUOUS MEMBERS AND BUTT JOINTS WITHIN BUILT-UP MEMBERS.
15. ALL EXTERIOR WALL SHEATHING SHALL BE 7/16" OSB.

SAUSSY-BURBANK
LOT 5 ROSAPENNY ROAD

Tina Hamie Design, LLC
Residential Design and Drafting Services

A3



FIRST FLOOR PLAN SCALE: 1/4" = 1'-0"

AREA:	
BASEMENT HEATED	**********
1ST FLOOR HEATED	2048 SQ. FT.
2ND FLOOR HEATED	1084 SQ. FT.
TOTAL HEATED AREA	3131 SQ. FT.
GARAGE & STORAGE	804 SQ. FT.
BASEMENT GARAGE & LAKE STORAGE	151 SQ. FT.
FRONT PORCH	105 SQ. FT.
COVERED PATIO	364 SQ. FT.
COVERED PORCH	364 SQ. FT.
TOTAL AREA	4951 SQ. FT.

GENERAL NOTES FOR FIRST FLOOR

GENERAL NOTES:
1. DESIGN BASED ON 2012 NORTH CAROLINA RESIDENTIAL BUILDING CODE.
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2012 NORTH CAROLINA RESIDENTIAL BUILDING CODE AND LOCAL BUILDING CODES.
3. CONTRACTOR TO VERIFY ALL DIMENSIONS.
4. DO NOT SCALE DIMENSIONS FROM PRINTED DRAWINGS. PLANS AND DETAILS ARE NOT ALWAYS DRAWN TO SCALE. USE DIMENSIONS GIVEN OR CONSULT DESIGNER FOR FURTHER CLARIFICATION.
5. BEAM, HEADER, AND/OR "I" JOIST LAYOUT OR SIZES SHALL NOT DEVIATE FROM THIS PLAN UNLESS APPROVED BY KO DAN ENGINEERING PLLC.
6. HEADER NOTES FOR DIMENSIONAL LUMBER:
   6.1. ALL EXTERIOR HEADERS SHALL BE (2)2X10 #2 SOUTHERN YELLOW PINE OR BETTER UNLESS OTHERWISE NOTED.
   6.2. ALL INTERIOR LOAD BEARING HEADER SHALL BE (2)2X10 #2 SOUTHERN YELLOW PINE OR BETTER UNLESS OTHERWISE NOTED.
   6.3. ALL INTERIOR NON LOAD BEARING HEADERS SHALL BE (2)2X4 #2 SOUTHERN YELLOW PINE OR BETTER UNLESS OTHERWISE NOTED.
   6.4. ANY HEADER, BEAM, JOIST, GOLDEN SIZES USING DIMENSIONAL LUMBER OR TIMBER NOTED ON THE DRAWING SHALL BE #2 SOUTHERN YELLOW PINE.
   6.5. IF NOT SPECIFIED ON DRAWING A MINIMUM OF ONE JACK SHALL SHOULD BE PLACED BENEATH ALL NON LOAD BEARING EXTERIOR AND LOAD BEARING INTERIOR HEADERS. ALSO, A MINIMUM OF ONE JACK SHALL SHOULD BE PLACED BENEATH NON LOAD BEARING EXTERIOR AND INTERIOR HEADERS WITH SPANS EQUAL TO OR GREATER THAN 4 FEET.
7. ALL FLOOR JOIST AND BEAM SIZES ARE DETERMINED FOR THE USE OF #2 SOUTHERN YELLOW PINE RAFTER AND CEILING JOINT SIZES ARE DETERMINED FOR THE USE OF #2 SPRUCE-PINE-FIR. THE USE OF ANY OTHER SPECIES MUST BE APPROVED.
8. ALL INTERIOR LOAD BEARING AND ALL EXTERIOR WALLS SHALL BE CONSTRUCTED USING 2x4 SPRUCE-PINE-FIR #2 STANDARD STUD GRADE OR BETTER AT 16 MINIMUM SPACING OF 16" O.C. UNLESS OTHERWISE NOTED.
9. ALL INTERIOR WALLS THAT ARE NON LOAD BEARING AND/OR DO NOT SUPPORT FLOORS MAY BE 2x4 SPRUCE-PINE-FIR UTILITY GRADE LUMBER OR BETTER PROVIDED THAT THE STUDS ARE SPACED A MAXIMUM OF 16" O.C. AND DO NOT EXCEED A LATERALLY UNSUPPORTED MAXIMUM HEIGHT OF 10 FEET UNLESS OTHERWISE NOTED.
10. WHERE JOISTS, TRUSSES OR RAFTERS ARE SPACED MORE THAN 16" O.C. AND THE BEARING WALLS BELOW ARE SPACED 24" O.C., SUCH MEMBERS SHALL BEAR WITHIN 1" OF THE WALLS BENEATH. ALTERNATES INCLUDE THE WALL STUDS AND TOP PLATES ARE 2x6 WITH THE PROPER TYPE AND GRADE, A THIRD TOP PLATE IS INSTALLED TO REINFORCE "I" DOUBLE TOP PLATE.
11. FRAMING HEIGHTS:
   11.1. FLOOR TO TOP PLATE FIRST FLOOR = 10'-1 1/2"
   11.2. FLOOR TO HEADER HEAD FIRST FLOOR = 8'-0"
12. DESIGN LOADS:
   12.1. SECOND FLOOR TRUSS SPANS DETERMINED BY: 40 psf LIVE, 10 psf DEAD
   12.2. RAFTERS: 20 psf LIVE, 10 psf DEAD
   12.3. ROOF TRUSSES:
      12.3.1. TOP CHORD - 20 psf LIVE, 10 psf DEAD
      12.3.2. BOTTOM CHORD - 0 psf LIVE, 10 psf DEAD
   12.4. CEILING JOIST DESIGN LOADS: 30 psf LIVE, 10 psf DEAD
13. MULTI-PLY LVL BEAMS OF MEMBERS OR HEADERS SHALL BE CONNECTED TOGETHER WITH 1/2" DIAMETER BOLTS IN 2 ROWS STAGGERED AND SPACED AT 12" O.C. IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.
14. BUILT-UP BEAMS AND WALL STUDS SHALL BE CONSTRUCTED WITH CONTINUOUS MEMBERS, NO BUTT JOINTS WITHIN BUILT-UP MEMBERS.
15. FLOOR JOIST DESIGN SHALL BE L/480 MAXIMUM DEFLECTION.
16. ALL EXTERIOR WALL SHEATHING SHALL BE 7/16" OSB.

SAUSSY-BURBANK
LOT 5 ROSA PENNY ROAD

Tino Home Design, LLC

A2

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St., Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

Septic System Pre-Construction Meeting Checklist

File # 66628 B App # 1087 Tax Parcel # 217-311-31

Property Owner: LKW Properties, LLC

Job Location Address: 18321 Rosapenny Rd.

City: Charlotte State: NC Zip Code: 28278

1. **Does System design match facility, flow & wastewater characteristics?**

   ☒ YES ☐ NO

   Comments: Only footings of house completed.

2. **Is there sufficient available space for the septic systems initial and repair areas?**

   ☒ YES ☐ NO

   Comments: _____

3. **Can the septic system be installed per the permit conditions and drawing on file?**

   ☒ YES ☐ NO

   Comments: _____

*** If "NO" is checked for any of the above the existing permit may need to be revoked.**

Permission is hereby given to ☒ install ☐ alter ☐ repair an on-site wastewater treatment & and disposal system, with subsurface soil absorption and effluent discharge meeting all of the construction requirements of 15A NCAC 18A .1900 which are in effect on the date of granting this approval. System shall not be installed while soils are in wet condition.

Jacob Presley — Authorized Agent

5-29-15 — Date

Steve Autry — Others Present

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St., Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DHHS
Division of Environmental Health
On-Site Wastewater Section

OPERATION PERMIT for an
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: G628B Permit #: 30001087 Tax Parcel #: 217-311-31

Property Owner: LKW Properties, LLC

Job Location Address: 18321 Rosapenny Rd.

City: Charlotte State: NC Zip Code: 28278

Operation Permit Issuance Date: _____ Contractor Name: Autry Septic

Permitted Design Flow: 480 GPD Liquid Capacity of Dosing Tank: 1500 gallons

Liquid Capacity of Septic Tank: 1500 gallons Manufacture Dellinger Effluent Pump Model: _____

Drainfield Installation ☐ N/A

Trench Depth: 30 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 438 feet

# of Lines: 3 @ 146 feet EZ flow

Depth of Media: 12 inches (Type) EZ 1003T

Depth of Cover: 18 inches

Distribution Device: pressure manifold

Bed Installation *(For Repair Installations ONLY.)* ☒ N/A

Bed Depth: _____ inches

Bed Width: _____ feet

Total line length: _____ feet

# of Lines: _____ @ _____ feet

Depth of Media: _____ inches (Type) _____

Depth of Cover: _____ inches

Distribution Device: _____

Water Supply Source

☐ Municipal ☐ Private Well ☐ Community Well

☐ Other _____

System Installation Setbacks

Distance from Building Foundation: _____ feet

Distance from Property Line: _____ feet

Distance from Water Supply Source: _____ feet

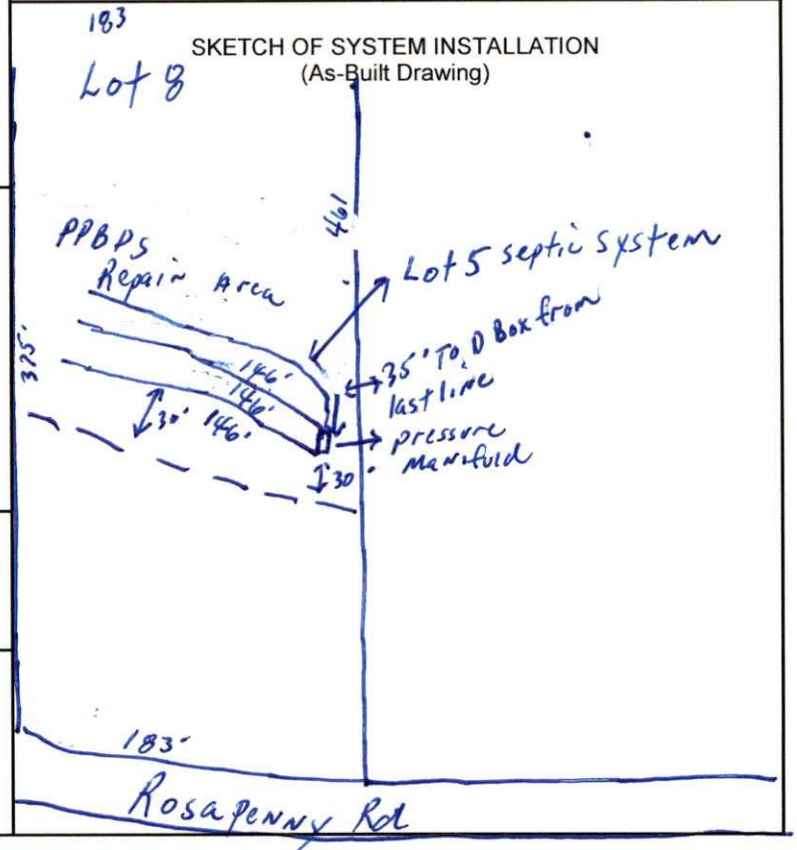
Inspection Dates

Tank(s) Inspected: 6-4-15 JBP

Excavation Inspected: 8/5/15 PW

Pump & Controls Inspected: _____

SKETCH OF SYSTEM INSTALLATION
(As-Built Drawing)



The undersigned has inspected the Septic Tank System described above, and certifies it has been ☐ installed ☐ altered ☐ repaired ☐ as detailed in the plot above ☐ in accordance with the permit issued and meets the provisions of 15A NCAC 18A. 1900, "Laws and Rules for Sewage Treatment and Disposal Systems" in effect on the date of issuance of the permit. The issuance of this Operation Permit does not in any way guarantee that the system will operate properly or relieve any person now or hereafter owning, controlling, or using such system from any liability resulting from the failure of the system to operate properly. This document is issued subject to those restrictions and conditions shown on the permit(s) and the provisions of 15A NCAC 18A. 1900 in addition to those listed below under "Comments." This document shall be null and void if any information contained in the application is untrue or if any additions are made to the property which would increase the requirements for said system.

Notice: Disturbance of the designated repair area may result in the Suspension or Revocation of this permit.

Comments: System Classification & Type: _____

DENR Authorized Agent: _____ Signature: _____

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St., Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

OPERATION PERMIT for an
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 6628B Permit #: 3000187 Tax Parcel #: 217-311-31

Property Owner: LKW Properties, LLC

Job Location Address: 18321 Rosapenny Rd.

City: Charlotte State: NC Zip Code: 28278

OPERATION PERMIT CONDITIONS:

I. Performance: System shall perform in accordance with 15A NCAC 18A .1961.

II. Monitoring: System shall be monitored as required by 15A NCAC 18A .1961.

III. Maintenance: Ground absorption sewage treatment and disposal systems shall be checked, and the contents of the septic tank removed, periodically from all compartments, to ensure proper operation of the system. The contents shall be pumped whenever the solids level is found to be more than 1/3 of the liquid depth in any compartment.

IV. Operation: System shall be operated in accordance with 15A NCAC 18A .1961.

System Classification: _____

*Operation Permits for Type V and VI systems expire five (5) years from the date of issuance (in accordance with Table V(a)). The system owner must contact GWS six (6) months prior to expiration for permit renewal.

Subsurface system operator required: Yes ☐ No ☐

☐ This type of system requires the system owner to maintain a contract with a certified operator to perform system inspection, maintenance, and reporting as required in 15A NCAC 18A .1961. and Table V(a). The system owner is responsible for all fees associated with these services.

☐ System does not require inspection by GWS on a routine frequency.

☐ System requires inspection by GWS once every five (5) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every three (3) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every twelve (12) months. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every six (6) months. The system owner is responsible for all fees associated with the inspection.

V. Other:

_____

_____

_____

_____

DENR Authorized Agent: _____ Date: _____

Signature: _____

Hold For: 8/5/15 Excavation Inspection PSW

Electrical + Pump Inspection