9021B

Supervisor/Administrative Professional Checklist

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

New Septic Fees Paid:

IP ($250.00) LMO 9/25/14 Initials/Date

CA ($200.00) LE 6/10/15 Initials/Date

OP ($200.00) LE 6/10/15 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 ☑ JM 7/22/15

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

Septic file completed. ☐ _____ Well file completed. ☐ _____

Send permit for signature. ☐ Signature received. ☐ _____

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

Certified operator contract is on file. ☐ _____

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 #: 30007088 GWS File #: 9021B Tax Parcel #: 019-421-07 31 66

- 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):** 12/9/2019

Type of Installation: Residential - New System Lot Number: 0

Structure Type: HOUSE Size (ft^2): 2500 # Bedrooms: 4 # Occupants: 3

Building Foundation: Crawl Space Water Supply: Private Well

II. Initial System Type: Accepted **System Classification:** IIIg

Initial System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	.25	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1440	Total Trench Length (ft):	480
Maximum Trench Depth (in):	24	Depth of Media (in):	12	Distribution Device:	Distribution Box		

III. Repair System Type: Pretreatment with Drip Irrigation **System Classification:** Va

Repair System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	.1	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	1000
Trench Width (ft):	1	Trench Spacing (ft):	2	Absorption Area (ft^2):	4800	Total Trench Length (ft):	4800
Maximum Trench Depth (in):	6	Depth of Media (in):	1	Distribution Device:	Headworks (Drip Irr.		

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: Kim Garrett Owner/Legal Agent: Margie DiBella

Signature: Kim Garrett, REHS Signature: Margie DiBella

Print Name

Date Issued: 12/9/2014

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 #: 30007068 GWS File #: 9021B

IV. Permit Conditions/Comments:

- 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.
- All components of the septic system must be installed in accordance with the required setbacks listed on the corresponding plot plan.
- All components of the septic system must be located at least 100 ft. (50 ft. minimum) from all private wells.
- All waterlines must be located a minimum of 10 ft. from any part of the septic system.
- The invert of the sewer pipe exiting the structrue should be kept as high as possible in order to achieve gravity flow to the drain field. A dosing tank will be required if gravity flow to the drain field can not be achieved.
- Flow from all gutters and downspouts shall be directed not to discharge water onto or across any part of the septic system.
- Foundation drains shall be constructed not to discharge water onto or across any part of the septic system.

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:

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- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

DENR Authorized Agent: Kim Garrett

Signature: Kim Garrett, REHS

Date Issued: 12/9/2014

Owner/Legal Agent: Margie DiBella
Print Name

Signature: Margie DiBella

Groundwater & Wastewater Services
Septic Project File & Data Review Worksheet

GWS File #: 9021 B WASPS App #: 7068

Primary ES assigned to project: Kim Garrett

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: 7			
	Were sufficient auger borings made?	Yes ☑	No ☐	N/A ☐
.1939(d), .1955, .1956, .1957	LTAR .25	Yes ☑	No ☐	N/A ☐
	Improvement Permit/Construction Authorization			
.1937(g) 130A-336(a)	Proposed System Type stated-Initial	Yes ☑	No ☐	N/A ☐
.1945(b)	Proposed System Type stated-Repair	Yes ☑	No ☐	N/A ☐
130A-336 (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?	Yes ☑	No ☐	N/A ☐
.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:

_____

_____

_____

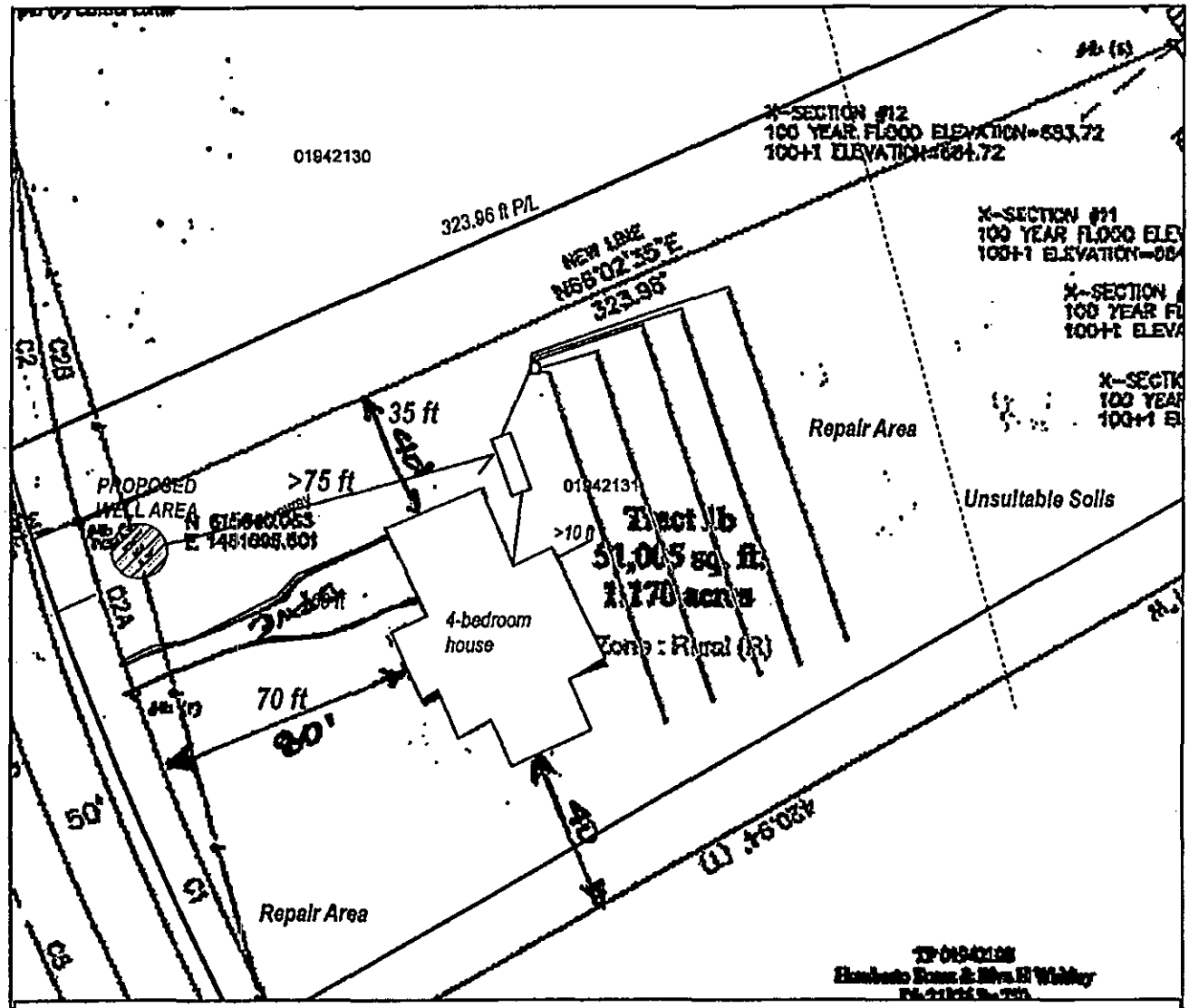
_____

_____

IA issued date: _____

OP issued date: _____

Review performed by: P Walker *Date performed:* 12/12/13



Mecklenburg County Health Department
Environmental Health Division
Improvement Permit for Residential
ONSITE-WASTEWATER TREATMENT & DISPOSAL

PID # 019-421-31
15700 Mac Wood Road
Huntersville, NC 28078

Permit # 30007068
File # 9021 B

Authorized Agent: Kim Dimmett

Owner/Legal Agent: Margie DuBois

40 20 0 40 Feet

INSTALLATION NOTES:
480 gpd
0.25 LTAR
5 x 96' x 3' (480 TLF) lines to be installed on contour

max trench bottom 24 inches
1500 gallon ST
TYPE IIIg
Drop Boxes

N
W E
S

1 inch = 40 feet

Install according to all NC Rules & Regulations
and maintain the following setbacks:

>100 ft from well (min. 50 ft)
>10 ft from property lines and water lines
>5 ft from building foundation

S

FEE: 200.00
DATE:7/22/2015

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 9021B

PERMIT NUMBER: 30007068

PARCEL NUMBER: 01942107

JOB LOCATION INFORMATION

ADDRESS: 15700 MAC WOOD RD

CITY: HUNTERSVILLE **STATE: NC** **ZIP:** 28078

ISSUED TO: Gerard Reid

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 7/22/2015

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30007068, 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.

MECKLENBURG COUNTY
Health Department

E. Winters Mabry, MD
Director

(704) 432-3199

Addendum to Application for
New Well or Septic System Installation
Abandonment or Repair of Existing Well or Septic System

Your signature below confirms the following:

1. The information on the application is true, complete and accurate.
2. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliances with applicable laws and rules.
3. I acknowledge that P.S. Johnston Builders is acting as my legal representative (agent) in the submittal of the application for a water supply well or septic permit located at

15700 Mac Wood Rd Huntersville
Number Street Town
(Or Parcel Number)

Walter Gobble
Property Owner (print name)

Property Owner (signature)

6/8/2015
Date

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 #: **30007068** GWS File #: **9021B** Tax Parcel #: **019-421-07** 31 KG

- 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):** 12/9/2019

Type of Installation: Residential - New System Lot Number: 0

Structure Type: HOUSE Size (ft^2): 2500 # Bedrooms: 4 # Occupants: 3

Building Foundation: Crawl Space Water Supply: Private Well

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IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

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DENR Authorized Agent: Kim Garrett Owner/Legal Agent: _____
Print Name

Signature: Kim Garrett, REHS Signature: _____

Date Issued: 12/9/2014

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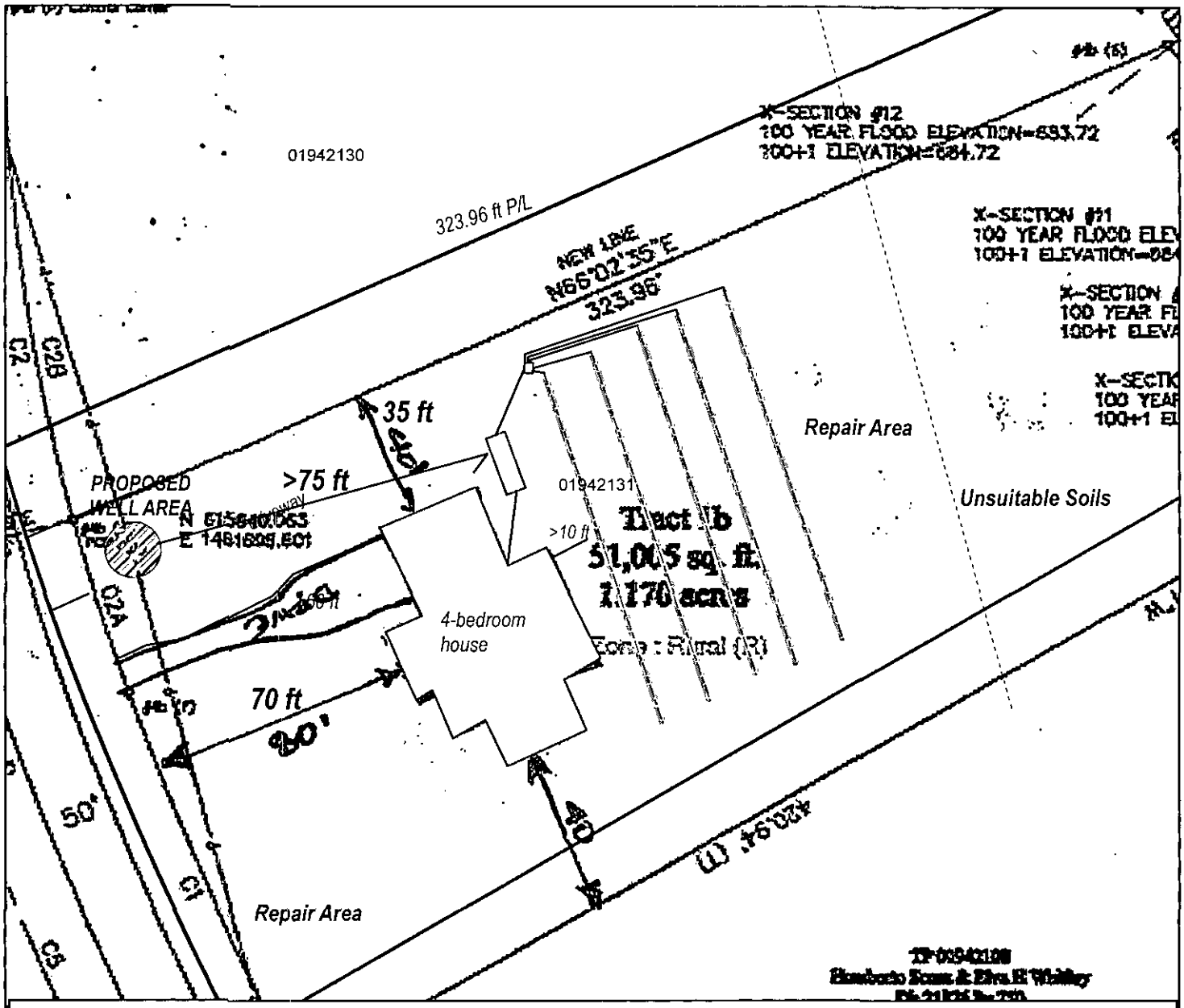
DENR Authorized Agent: Kim Garrett

Signature: Kim Garrett, REHS

Date Issued: 12/9/2014

Owner/Legal Agent: _____
Print Name

Signature: _____



Mecklenburg County Health Department
Environmental Health Division
Improvement Permit for Residential
ONSITE-WASTEWATER TREATMENT & DISPOSAL

PID # 019-421-31
15700 Mac Wood Road
Huntersville, NC 28078

Permit # 30007068
File # 9021 B

Authorized Agent: Kim Simmons

Owner/Legal Agent: _____

40 20 0 40 Feet

INSTALLATION NOTES:
480 gpd
0.25 LTAR
5 x 96' x 3' (480 TLF) lines to be installed on contour

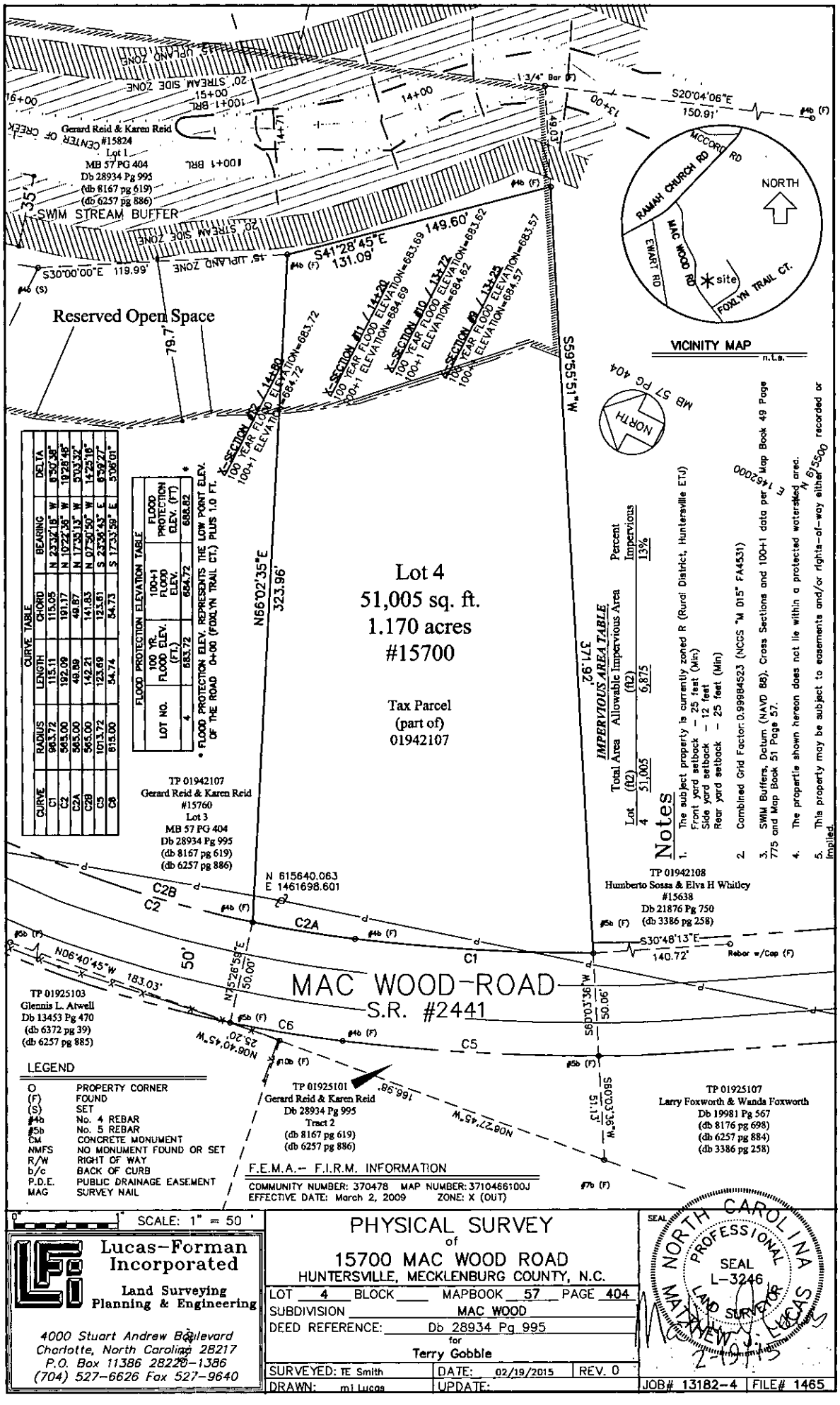
max trench bottom 24 inches
1500 gallon ST
TYPE IIIg
Drop Boxes

N
W E
S

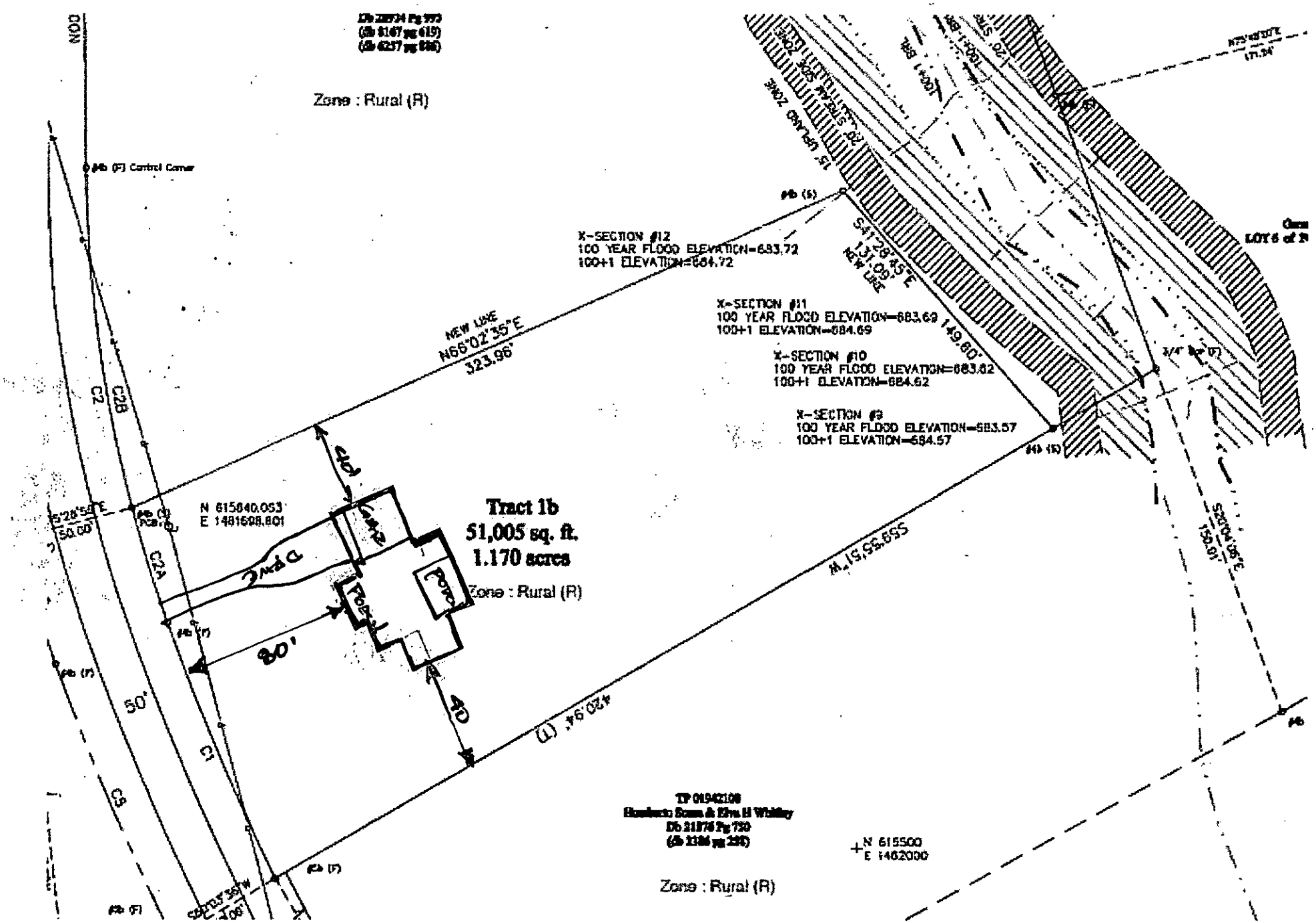
1 inch = 40 feet

Install according to all NC Rules & Regulations
and maintain the following setbacks:

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>5 ft from building foundation


Gerard Reid & Karen Reid
#15824
Lot 1
MB 57 PG 404
Db 28934 Pg 995
(db 8167 pg 619)
(db 6257 pg 886)
SWIM STREAM BUFFER
Reserved Open Space
Lot 4
51,005 sq. ft.
1.170 acres
#15700
Tax Parcel
(part of)
01942107
MAC WOOD-ROAD
S.R. #2441
VICINITY MAP
n.t.s.
RAMAH CHURCH RD
MCCORD RD
MAC WOOD RD
EWART RD
FOXLYN TRAIL CT.
site
NORTH
MB 57 PG 404
S41°28'45"E 131.09'
S20°04'06"E 150.91'
S30°00'00"E 119.99'
S59°55'15"W 371.92'
N66°02'35"E 323.96'
S30°48'13"E 140.72'
N06°40'45"W 183.03'
S60°03'36"W 50.06'
N06°27'45"W 166.98'
S60°03'36"W 51.13'
N 615640.063
E 1461698.601
N 615500
E 1462000
TP 01942107
Gerard Reid & Karen Reid
#15760
Lot 3
MB 57 PG 404
Db 28934 Pg 995
(db 8167 pg 619)
(db 6257 pg 886)
TP 01942108
Humberto Sosa & Elva H Whitley
#15638
Db 21876 Pg 750
(db 3386 pg 258)
TP 01925103
Glennis L. Atwell
Db 13453 Pg 470
(db 6372 pg 39)
(db 6257 pg 885)
TP 01925101
Gerard Reid & Karen Reid
Db 28934 Pg 995
Tract 2
(db 8167 pg 619)
(db 6257 pg 886)
TP 01925107
Larry Foxworth & Wanda Foxworth
Db 19981 Pg 567
(db 8176 pg 698)
(db 6257 pg 884)
(db 3386 pg 258)
Rebar w/Cap (F)
1 3/4" Bar (F)
C1
C2
C2A
C2B
C5
C6
50'
79.7'
35'
IMPERVIOUS AREA TABLE
Lot | Total Area (A2) | Allowable Impervious Area (A2) | Percent Impervious
4 | 51,005 | 6,875 | 13%
Notes
1. The subject property is currently zoned R (Rural District, Huntersville ETJ)
Front yard setback - 25 feet (Min)
Side yard setback - 12 feet
Rear yard setback - 25 feet (Min)
2. Combined Grid Factor: 0.99984523 (NCGS "M 015" FA4531)
3. SWIM Buffers, Datum (NAVD 88), Cross Sections and 100+1 data per Map Book 49 Page 775 and Map Book 51 Page 57.
4. The properlie shown hereon does not lie within a protected watershed area.
5. This property may be subject to easements and/or rights-of-way either recorded or implied.
CURVE TABLE
CURVE | RADIUS | LENGTH | CHORD | BEARING | DELTA
C1 | 983.72 | 115.11 | 115.05 | N 23°37'18" W | 6°42'38"
C2 | 565.00 | 192.09 | 191.17 | N 10°22'36" W | 19°28'45"
C2A | 565.00 | 49.89 | 49.87 | N 17°35'13" W | 5°03'32"
C2B | 565.00 | 142.21 | 141.83 | N 07°50'50" W | 14°25'16"
C5 | 1013.72 | 123.69 | 123.61 | S 23°56'43" E | 6°59'27"
C6 | 615.00 | 84.74 | 84.73 | S 17°33'59" E | 5°16'01"
FLOOD PROTECTION ELEVATION TABLE
LOT NO. | 100 YR. FLOOD ELEV. (FT.) | 100+1 FLOOD ELEV. | FLOOD PROTECTION ELEV. (FT)
4 | 683.72 | 684.72 | 688.82
* FLOOD PROTECTION ELEV. REPRESENTS THE LOW POINT ELEV. OF THE ROAD 0+00 (FOXLYN TRAIL CT.) PLUS 1.0 FT.
X-SECTION #1 / 14+30
100 YEAR FLOOD ELEVATION=683.72
100+1 ELEVATION=684.72
X-SECTION #10 / 13+72
100 YEAR FLOOD ELEVATION=683.62
100+1 ELEVATION=684.62
X-SECTION #9 / 13+25
100 YEAR FLOOD ELEVATION=683.57
100+1 ELEVATION=684.57
LEGEND
O PROPERTY CORNER
(F) FOUND
(S) SET
#4b No. 4 REBAR
#5b No. 5 REBAR
CM CONCRETE MONUMENT
NMFS NO MONUMENT FOUND OR SET
R/W RIGHT OF WAY
b/c BACK OF CURB
P.D.E. PUBLIC DRAINAGE EASEMENT
MAG SURVEY NAIL
F.E.M.A.- F.I.R.M. INFORMATION
COMMUNITY NUMBER: 370478 MAP NUMBER: 3710466100J
EFFECTIVE DATE: March 2, 2009 ZONE: X (OUT)
SCALE: 1" = 50 '
Lucas-Forman Incorporated
Land Surveying
Planning & Engineering
4000 Stuart Andrew Boulevard
Charlotte, North Carolina 28217
P.O. Box 11386 28220-1386
(704) 527-6626 Fax 527-9640
PHYSICAL SURVEY
of
15700 MAC WOOD ROAD
HUNTERSVILLE, MECKLENBURG COUNTY, N.C.
LOT 4 BLOCK MAPBOOK 57 PAGE 404
SUBDIVISION MAC WOOD
DEED REFERENCE: Db 28934 Pg 995
for
Terry Gobble
SURVEYED: TE Smith DATE: 02/19/2015 REV. 0
DRAWN: mj Lucas UPDATE:
JOB# 13182-4 FILE# 1465
SEAL
NORTH CAROLINA
PROFESSIONAL
SEAL
L-3246
LAND SURVEYOR
MATTHEW J. LUCAS
2-19-15

7068
9016


Zone : Rural (R)
X-SECTION #12
100 YEAR FLOOD ELEVATION=683.72
100+1 ELEVATION=684.72
X-SECTION #11
100 YEAR FLOOD ELEVATION=683.69
100+1 ELEVATION=684.69
X-SECTION #10
100 YEAR FLOOD ELEVATION=683.62
100+1 ELEVATION=684.62
X-SECTION #9
100 YEAR FLOOD ELEVATION=683.57
100+1 ELEVATION=684.57
NEW LINE
N66°02'35"E
323.96'
S41°28'45"E
131.09'
NEW LINE
149.60'
N 615840.053
E 1481698.801
Tract 1b
51,005 sq. ft.
1.170 acres
Zone : Rural (R)
Shed
Pool
Pond
40'
80'
50'
C1
C2
C2A
C2B
C9
S66°02'35"W
150.00'
N 615500
E 1482000
Zone : Rural (R)

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

Sheet: 1 of 2
Property ID: 019-421-07
Lot #: NA
File #: 9021B
AppID: 7068

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Property Owner: Gerard Reid
Address: 13844 Foxlyn Tr, Huntersville, NC 28078
Proposed Facility: 4 Bedroom House
Design Flow (.1949): 480 GPD
Location of Site: 15820 Mac Wood Rd, Huntersville, NC 28078
Water Supply: [ ] Public [X] Individual [X] Well
Evaluation Method: [X] Auger Boring [ ] Pit
Type of Wastewater: [X] Sewage [ ] Industrial Process

Applicant: owner
Date Evaluated: 10/7/2014
Property Size: 1 ac approx.
Property Recorded: Unknown
[ ] Spring [ ] Other
[ ] Cut
[ ] Mixed

PROFILE #	1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY 1941 Structure/ Texture	SOIL MORPHOLOGY 1941 Consistence Mineralogy	b PROFILE FACTORS 1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr Horiz	General Comments	Profile Class & LTAR	Maximum Trench Bottom Depth for 3' Wide Conventional Trench
Boring #1	LS 9%	0 - 10	wfsbk SCL	FR SEXP	>46"	46	NA	NA	3 and 4 chroma mottles 12 - 46"	PS IV 0.25	31"
		10 - 22	wmsbk C	FI SEXP							
		22 - 46	wfsbk SCL	FR SEXP							
Boring #2	LS 7%	0 - 9	wfsbk SCL	FR SEXP	>51"	51	NA	NA	yellow brown mottles 30 - 51"	PS IV 0.275	36"
		9 - 51	wfsbk C	FI SEXP							
Boring #3	LS 4%	0 - 20	wmsbk SC	FI SEXP	2 chroma @ 24"	30	NA	NA		US (Drip 0.1)	NA
		20 - 30	wmsbk SCL	FI SEXP							
Boring #4	LS 5%	0 - 15	mfsbk C	FI SEXP	2 chroma @ 18"	15	NA	NA		US (Drip 0.1)	NA
		15 - 20	mass C	VFI SEXP							
Boring #5	LS 7%	0 - 12	mfsbk C	FI SEXP	>43"	39	NA	NA	3 and 4 chroma mottles 12 - 40"	PS IV 0.25	24"
		12 - 22	wmsbk C	FI SEXP							
		22 - 39	wfsbk SCL	FR SEXP							
		39 - 43	mass SCL Sap								
Boring #6	LS 7%	0 - 13	wfsbk CL	FR SEXP	>48"	48	NA	NA	yellow brown mottles 32 - 48"	PS IV 0.25	33"
		13 - 32	mfsbk C	FI SEXP							
		32 - 48	wmsbk SC	FI SEXP							
Boring #7	LS 10%	0 - 12	wfsbk CL	FR SEXP	>51"	51	NA	NA	yellow brown mottles 42 - 51"	PS IV 0.275	36"
		12 - 42	mfsbk C	FI SEXP							
		42 - 51	wmsbk SC	FI SEXP							

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	IIIg	Va
Site LTAR (gpd/sq ft)	0.25	Drip w/TSII (0.1)

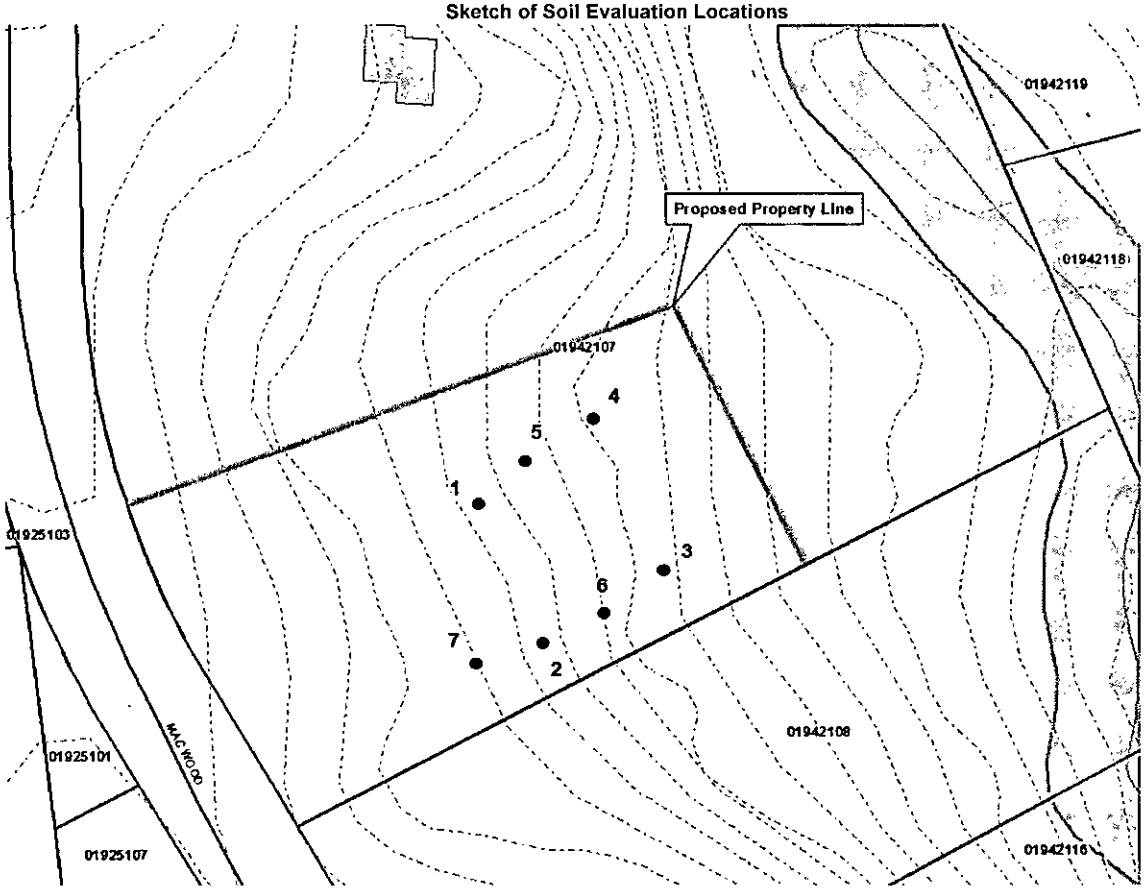
Other Factors (.1946):
Soil Evaluation By: Jacob Presley, REHSI, LSS
Others Present:
Site Classification (.1948): PS
Site Evaluation By: Kim Barnett
Others Present:

COMMENTS:

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		mass-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				Sap-Saprolite
FP-Flood Plain		CL-Clay Loam		**Structure Prefixes**
D-Drainage Way		SCL-Sandy Clay Loam		w-weak
		SiL-Silt Loam		m-moderate
				s-strong
				f-fine
	IV	SC-Sandy Clay	0.4 - 0.1	m-medium
		SiC-Silty Clay		c-coarse
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	SS-Slightly Sticky	SEXP-Slightly Expansive
FR-Friable	S-Sticky	EXP-Expansive
FI-Firm	VS-Very Sticky	
VFI-Very Firm	NP-Non-Plastic	**Classification**
EFI-Extremely Firm	SP-Slightly Plastic	US-Unsuitable
	P-Plastic	PS-Provisionally Suitable
	VP-Very Plastic	S-Suitable
		NA-Not Applicable

Sketch of Soil Evaluation Locations



9021B

MECKLENBURG COUNTY
HEALTH DEPARTMENT

App # 7068

APPLICATION FOR A RESIDENTIAL SITE IMPROVEMENT PERMIT/ CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER SYSTEM, NEW WELL INSTALLATION, OR REPAIR OF EXISTING WELL

1. SEPTIC / TYPE APPLICATION: ○ N/A ◉ NEW SYSTEM ○ ALTERATION ○ REPAIR ○ MODIFIED PLOT PLAN

2. WELL / TYPE APPLICATION: ○ N/A ◉ NEW WELL ○ MAJOR REPAIR ○ ABANDONMENT

3. JOB LOCATION INFORMATION:

TAX PARCEL NUMBER: 01942107

STREET ADDRESS: 15820 Mac Wood Road

CITY:

STATE: NC **ZIP:** 28078

SUBDIVISION NAME: N/A

LOT #: _____ **LOT SIZE (acres):** _____

TOWNSHIP:

◉ MECKLENBURG ○ CORNELIUS ○ HUNTERSVILLE
○ DAVIDSON ○ CHARLOTTE ○ PINEVILLE
○ MATTHEWS ○ MINT HILL

4. BUILDING INFORMATION:

BUILDING TYPE:

○ SINGLE MOBILE HOME ○ MODULAR HOME
○ DOUBLE WIDE ○ MULTIPLE FAMILY
◉ HOUSE ○ OTHER _____

HEATED SQUARE FOOTAGE: 2,500

NUMBER OF BEDROOMS: 4

NUMBER OF OCCUPANTS: 3

FOUNDATION TYPE:

○ CONCRETE SLAB ○ BASEMENT WITH PLUMBING
◉ CRAWL SPACE ○ BASEMENT WITH NO PLUMBING

5. IF PLANNING TO EXPAND OR ALTER THE EXISTING SEPTIC SYSTEM PLEASE COMPLETE THE FOLLOWING SECTION: ☑ N/A

NUMBER OF BEDROOMS TO BE ADDED: _____ NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE: _____

6. WATER SUPPLY: ○ MUNICIPAL ◉ PRIVATE WELL ○ PUBLIC WELL ○ SHARED WELL ○ OTHER _____

7. PROPOSED USE OF WELL: ○ N/A ○ IRRIGATION ◉ POTABLE (DRINKING WATER) ○ OTHER _____

8. PLEASE INDICATE AND RANK DESIRED SEPTIC SYSTEM TYPE(S) IN ORDER OF PREFERENCE *(1-MOST DESIRED 5-LEAST DESIRED):*

☐ N/A ☐ ANY TYPE ☑ CONVENTIONAL ☐ ACCEPTED ☐ INNOVATIVE ☐ ALTERNATIVE ☐ OTHER _____

8A. RANK: ____ ____ ____ ____ ____

9. DO ANY OF THE FOLLOWING APPLY TO THE PROPERTY IN QUESTION? IF "YES" PLEASE ATTACH SUPPORTING DOCUMENTATION.

BURIED CABLES, LANDFILLS, STUMPHOLES	○ YES ◉ NO	GRADING/SOIL REMOVAL PERFORMED	○ YES ◉ NO
EXISTING WASTEWATER (SEPTIC) SYSTEMS	○ YES ◉ NO	JURISDICTIONAL WETLANDS	○ YES ◉ NO
WELLS, SPRINGS, OR WATER LINES	○ YES ◉ NO	APPROVAL REQUIRED BY ANY OTHER PUBLIC AGENCY	○ YES ◉ NO
EASEMENTS OR RIGHT-OF-WAYS	○ YES ◉ NO	WASTEWATER OTHER THAN DOMESTIC SEWAGE	○ YES ◉ NO
CHEMICAL/PETROLEUM STORAGE TANKS	○ YES ◉ NO	KNOWN UNDERGROUND CONTAMINATION	○ YES ◉ NO
WASTE STORAGE	○ YES ◉ NO	GROUNDWATER USE RESTRICTIONS/VARIANCES	○ YES ◉ NO

10. WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? _____ ☐ UNKNOWN

11. WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? _____ ☐ N/A

12. PROPERTY OWNER:

NAME: Gerard Reid
ADDRESS: 13844 FOXLYN TRAIL
CITY: Huntersville
STATE: NC ZIP: 28078
WORK PHONE: _____
MOBILE PHONE: (704) 562-4811
FAX: _____
E-MAIL: greid@sheLcoLLC.com

13. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:

NAME: _____
ADDRESS: _____
CITY: _____
STATE: _____ ZIP: _____
WORK PHONE: _____
MOBILE PHONE: _____
FAX: _____
E-MAIL: _____

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

Revised on: 12/15/10

14. SEPTIC SYSTEM PERMIT APPLICATION:

If the information in this application is falsified, changed, or the site is altered, then the Improvement Permit and Authorization to Construct shall become invalid. I have read this application and certify that the information provided herein is true, complete and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed. The permit is valid for either sixty (60) months or is non-expiring depending upon the documentation submitted: complete site plan = 60 months, complete plat = non-expiring.

_____ (Initial here for septic system applications)

15. WELL PERMIT APPLICATION:

If the information in this application is falsified, changed, or the site is altered, then the Well Permit shall become invalid. I have read this application and certify that the information provided herein is true, complete and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed. The permit is valid for a period of twelve (12) months from the date of issuance.

_____ (Initial here for well applications)

16. APPLICATION SIGNATURE SECTION:

ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. A proper signature is required in order to process your application. Please review the application carefully and sign in the space provided below. A PROPOSED PLOT PLAN is required to be submitted with each application.

_____ 9/22/14

Property Owner's or Owner's Legal Representative Signature — Date

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OFFICE USE ONLY

○ SURVEY PLAT TO SCALE SUBMITTED ○ SCALED SITE PLAN SUBMITTED ⊘ UN-SCALED SITE PLAN SUBMITTED

SEPTIC APPLICATION FEE RECEIVED: $ 250 DATE FEE RECEIVED: 9/23/14

WELL APPLICATION FEE RECEIVED: $ _____ DATE FEE RECEIVED: _____

APPLICATION PROCESSED BY: lws

GWS FILE NUMBER ASSIGNED: 9021B

APPLICATION ID NUMBER ASSIGNED: 7068

COMMENTS:

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

File #: _____

PROPOSED PLOT PLAN

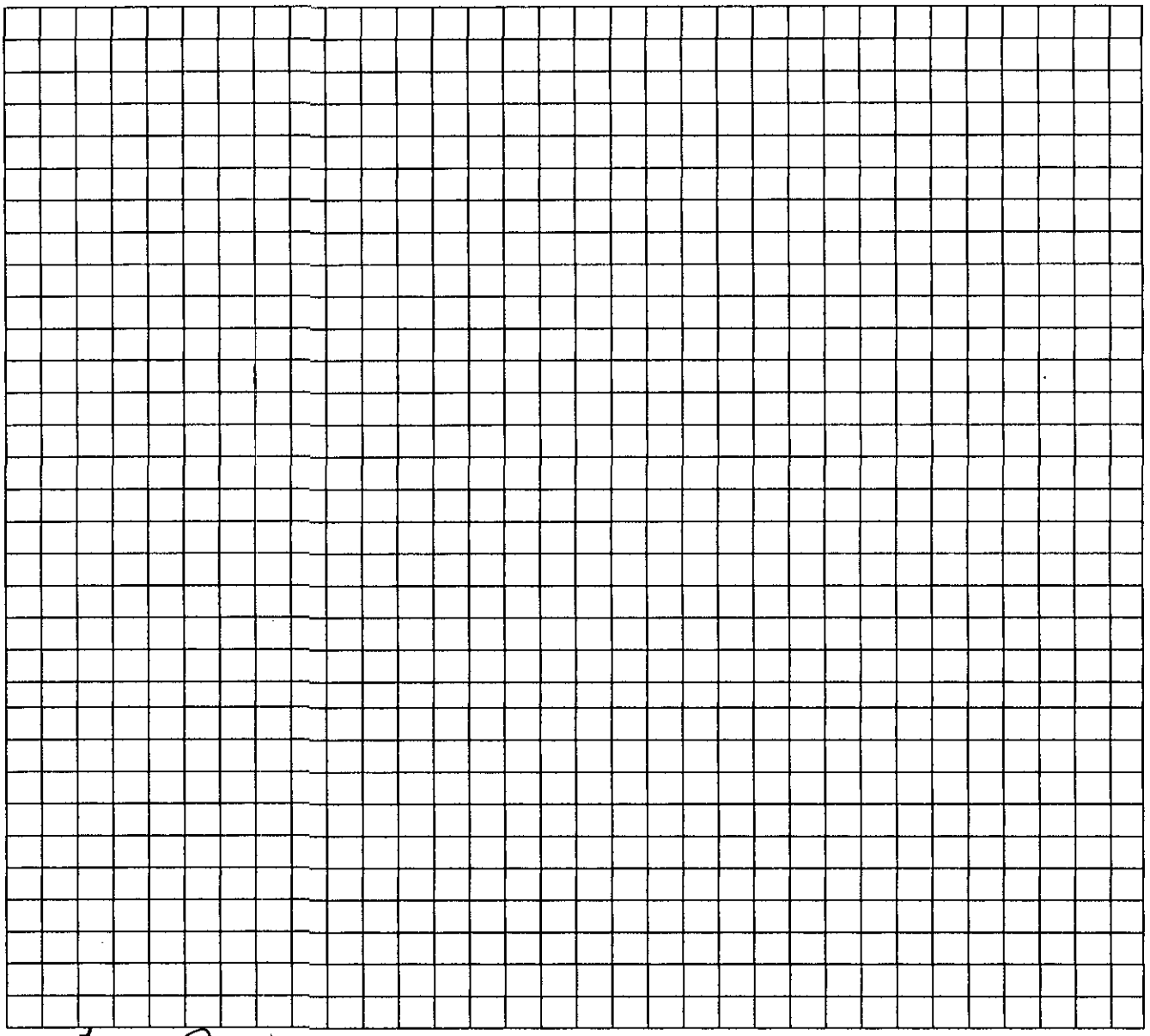
A drawing showing the locations of the following items is required: existing and proposed property lines with dimensions, easements or right-of-ways, proposed building pad(s) or existing building footprint(s), all appurtenances (garage, driveway, deck, pool, etc.), location of existing or proposed well(s), location of existing or proposed sewer lines and sewage disposal systems, surface water bodies, and any aboveground or underground storage tanks. Provide names for all roads that adjoin the property.

Street Address: 15820 Mac Wood Road

Tax Parcel #: 01942107

Subdivision Name: N/A

Lot #: _____



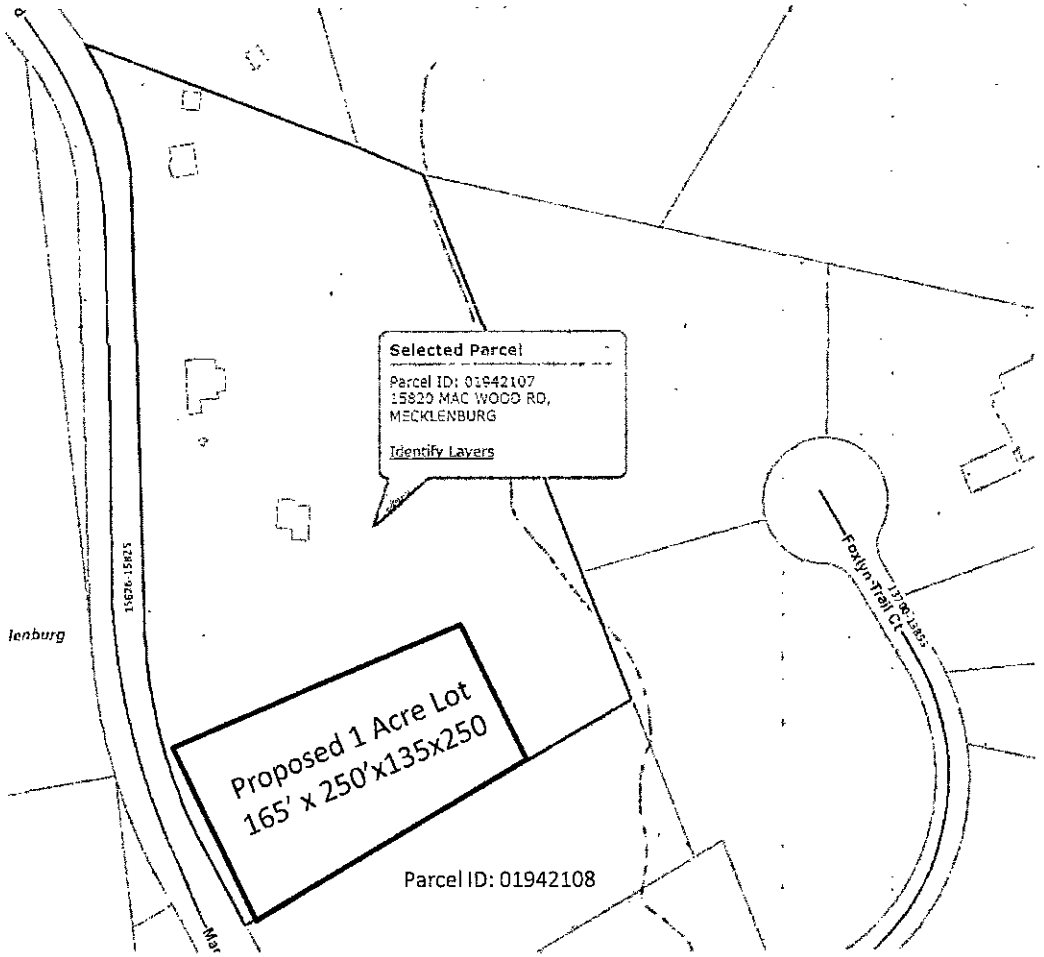
Property Owner's or Owner's Legal Representative Signature

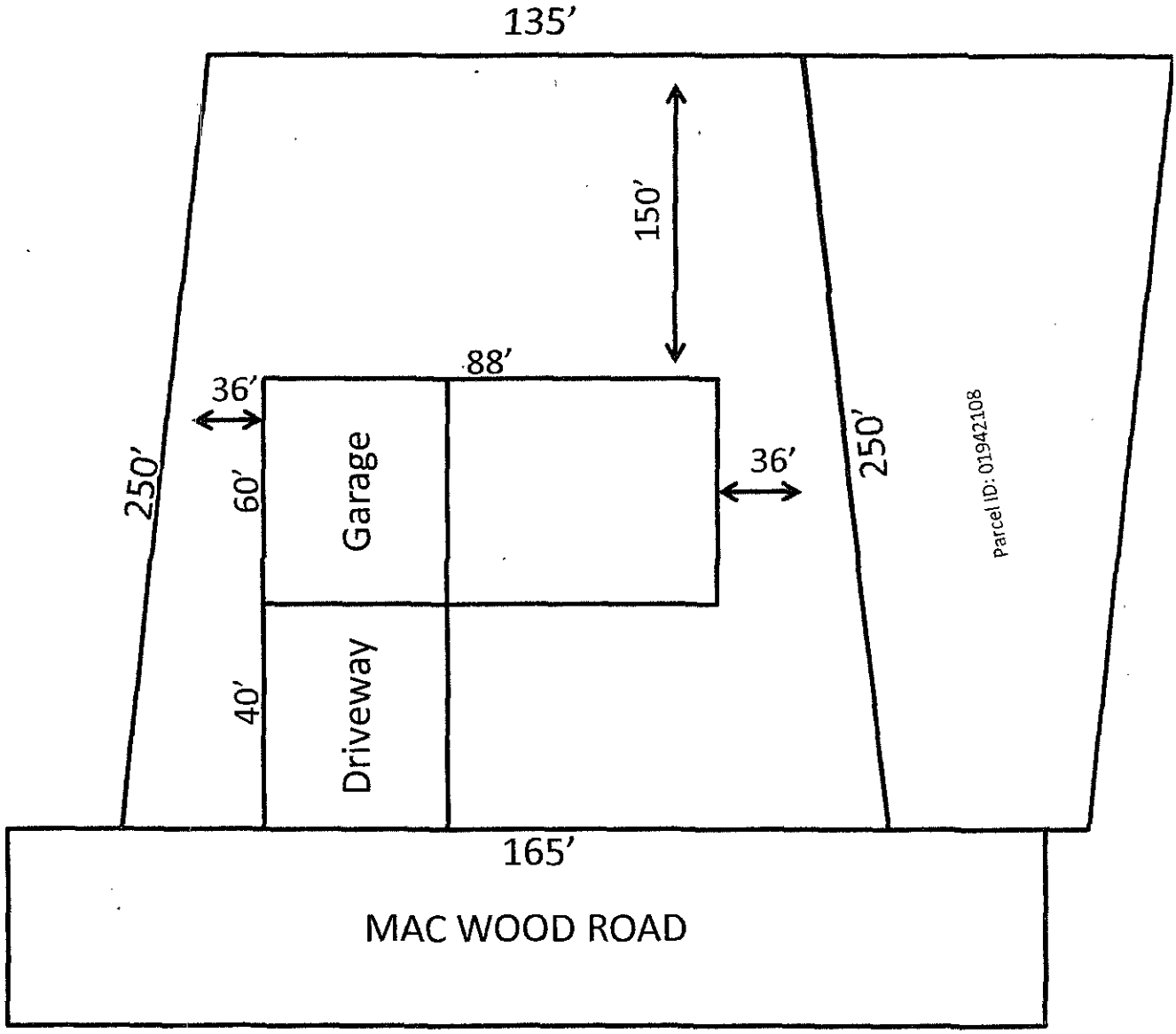
9/22/14
Date

See attached

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

Revised on: 12/15/10


Selected Parcel
Parcel ID: 01942107
15820 MAC WOOD RD,
MECKLENBURG
Identify Layers
Foxlyn Trail Ct
15826-15825
lenburg
Proposed 1 Acre Lot
165' x 250'x135x250
Parcel ID: 01942108


135'
150'
88'
36'
250'
60'
Garage
36'
250'
Parcel ID: 01942108
40'
Driveway
165'
MAC WOOD ROAD

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	06/10/15	**Amount:**	200.00
Receipt #:	95006	**Tendered:**	200.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	ELLISLW		

Account Information

Account #: X38565
Contractor: JOHNSON BUILDERS LLC E S
Attn:
Address: P O BOX 1402
Address:
City/State/Zip: CORNELIUS, NC 28031

Item	Description	Permit#	Quantity	Unit Price	Total Price
0703	Septic Operational Permit 15700 MAC WOOD RD		1	200.00	200.00

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

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
2,832.23					

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	06/10/15	**Amount:**	200.00
Receipt #:	95004	**Tendered:**	200.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	ELLISLW		

Account Information

Account #: X38565
Contractor: JOHNSON BUILDERS LLC E S
Attn:
Address: P O BOX 1402
Address:
City/State/Zip: CORNELIUS, NC 28031

Item	Description	Permit#	Quantity	Unit Price	Total Price
0734	Septic Construction Authorizat 15700 MAC WOOD RD		1	200.00	200.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
2,632.23					

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	09/23/14	**Amount:**	250.00
Receipt #:	90854	**Tendered:**	250.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	SADERLW		

Account Information

Account #: X36834
Contractor: SHELCO LLC
Attn:
Address: 2320 CASCADE POINTE BLVD
Address: SUITE 100
City/State/Zip: CHARLOTTE, NC 28208

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen 15820 MAC WOOD RD		1	250.00	250.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
12,320.22					