Supervisor/Administrative Professional Checklist

New Septic ☒ New Well ☐ Use Existing ☐ Alteration ☐ Modified Plot Plan ☐

New Septic Fees Paid

IP ($250.00) LE 3/31/17 Initials/Date

CA ($200.00) LE 6/8/18 Initials/Date

OP ($200.00) LE 6/8/18 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 ☐ DPW

Please generate CA dated 6-4-18 and collect $400 for CA OP prior to final hold being released. Operation Permit is complete.

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. ☑ OBC

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

Certified operator contract is on file. ☐ _____

FEE: 200.00
DATE:6/8/2018

CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 4113B

PERMIT NUMBER: 30008855

PARCEL NUMBER: 01525201

JOB LOCATION INFORMATION

ADDRESS: 9526 MCCOY RD

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

ISSUED TO: RONALD GLENN PUTNAM III

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 6/4/2018

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30008855, 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, AND MAY BE ISSUED AT THE SAME TIME THE IMPROVEMENT PERMIT IS ISSUED.

Authorized Agent Signature Terry Mark Ellis

Groundwater & Wastewater Services: Septic Project File & D

GWS File #:	4113B
WASPS App #:	8855
Primary ES assigned to project:	Jeremy Michelone
Secondary ES assigned to project:	
Project Type:	New System
Site Evaluation Information: .1939(a)(1) - Topography and Landscape Position Recorded?	Yes
Site Evaluation Information: .1940(a-g) - Slope % Recorded?	Yes
Site Evaluation Information: .1939(a)(2) - Texture Class Recorded?	Yes
Site Evaluation Information: .1939(a)(2) - Structure Type Recorded?	Yes
Site Evaluation Information: .1939 (a)(2) - Consistence Recorded?	Yes
Site Evaluation Information: .1939(a)(2) - Mineralogy Recorded?	Yes
Site Evaluation Information: .1939(a)(3) - Soil Wetness Condition Recorded?	Yes
Site Evaluation Information: .1939(a)(4) - Soil Depth to Rock or Parent Material Recorded when Encountered?	Yes
Site Evaluation Information: .1939(a)(5) - Depth to Restrictive Horizons Recorded when Encountered?	Yes
Site Evaluation Information: .1939(a)(6) - Sufficient Available Space Recorded?	Yes
Site Evaluation Information: .1937(m) - Are the Profile Locations Shown?	Yes
Site Evaluation Information: .1939(a) - Are the S/PS Profiles in system & in repair area?	Yes
Site Evaluation Information: .1939(d), .1955, .1956, .1957 - LTAR	Yes
Improvement Permit/Construction Authorization: .1937(g), 130A-336(a) - Proposed System Type stated - Initial	Yes
Improvement Permit/Construction Authorization: .1945(b) - Proposed System Type stated - Repair	Yes
Improvement Permit/Construction Authorization: 130A-336(a)(3) - System location identifiable by setbacks - Initial	Yes
Improvement Permit/Construction Authorization: .1937(g), .1945(b) - System components shown - Initial	Yes
Information Permit/Construction Authorization: .1945(b) - Repair area shown	Yes
Improvement Permit/Construction Authorization: .1937(f)(g) - Does System design match facility, flow & WW characteristics?	Yes
Improvement Permit/Construction Authorization: .1937(f)(g) - Is System design consistent with soil/site conditions?	Yes
Improvement Permit/Construction Authorization: .1937(f)(g) - Is the System located in the approved area?	Yes
Improvement Permit/Construction Authorization: 130A-336(a) - Number of Bedrooms, employees, seats, etc. indicated?	Yes
Improvement Permit/Construction Authorization: .1937 (g) - Trench depth correct?	Yes
Improvement Permit/Construction Authorization: .1937(g) - Trench width correct?	Yes
Improvement Permit/Construction Authorization: .19379(g) - Trench length correct?	Yes
Improvement Permit/Construction Authorization: 130A-336(a)(1) - Proposed/existing well shown?	N/A

Improvement Permit/Construction Authorization: 130A-336(a)(1) - Property line lengths shown?	Yes
Improvement Permit/Construction Authorization: 130A-336(a) - Facility/appurtenance setbacks shown from fixed points?	Yes
Corrections/modifications needed?	No
Comments:	
IA issued date:	
OP Issued date:	
Review performed by:	Jeremy Michael
Date performed:	7/10/2017

Created at 7/10/2017 2:01 PM by Michael, Jeremy
Last modified at 7/10/2017 2:01 PM by Michael, Jeremy

Close

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	03/31/17	**Amount:**	250.00
Receipt #:	105134	**Tendered:**	250.00
Check / Auth #:	MC 151422	**Returned:**	0.00
Received By:	ELLISLW		

Account Information

Account #: 200000
Contractor: PUTNAM,RONALD
Attn:
Address: PO BOX 680298
Address:
City/State/Zip: CHARLOTTE, NC 28216

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen 9520 MCCOY RD		1	250.00	250.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
	90.00				

Payment Receipt

Mecklenburg County POS

Environmental Health
700 N. Tryon Street
Charlotte, NC 28202
Phone: 704-336-5100

Enter Account # or Customer Name Here:
RONALD PUTNAM

Bill To:

RONALD PUTNAM
PO BOX 680298

Charlotte, NC 28216

Single Payment

Transaction Date: 03/31/2017 12:12 PM Pacific Time
Pay Method: **********9557
Approval #: 151422
Trace Number: ccfac730-31d7-4999-8440-99961a218571
Amount: $250.00

Payment Amount: $250.00

Total: $250.00

Thank you for your payment.

41138
#8855

9520

31 MAR '17 AM 8:38

MECKLENBURG COUNTY
HEALTH DEPARTMENT

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: 015-252-01
STREET ADDRESS: 9520 McCoy Rd
CITY: Huntersville
STATE: NC ZIP: 28078
SUBDIVISION NAME: –
LOT #: _____ LOT SIZE (acres): 1.2
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: 2,384
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: 1 ____ ____ ____ ____

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? June 14th 2016 ☐ UNKNOWN

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

12. PROPERTY OWNER:

NAME: Ronald Glenn Putnam III
ADDRESS: 15027 Bailes Ford Rd
CITY: Huntersville
STATE: NC ZIP: 28078
WORK PHONE: _____
MOBILE PHONE: 704-439-6105
FAX: _____
E-MAIL: putnamrg@gmail.com
putnamrg@gmail.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.

RGP III (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.

Ronald Glenn Puto III — Property Owner's or Owner's Legal Representative Signature

3/22/17 — Date

OFFICE USE ONLY

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

SEPTIC APPLICATION FEE RECEIVED: $ _____ DATE FEE RECEIVED: _____

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

APPLICATION PROCESSED BY: _____

GWS FILE NUMBER ASSIGNED: _____

APPLICATION ID NUMBER ASSIGNED: _____

COMMENTS:

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

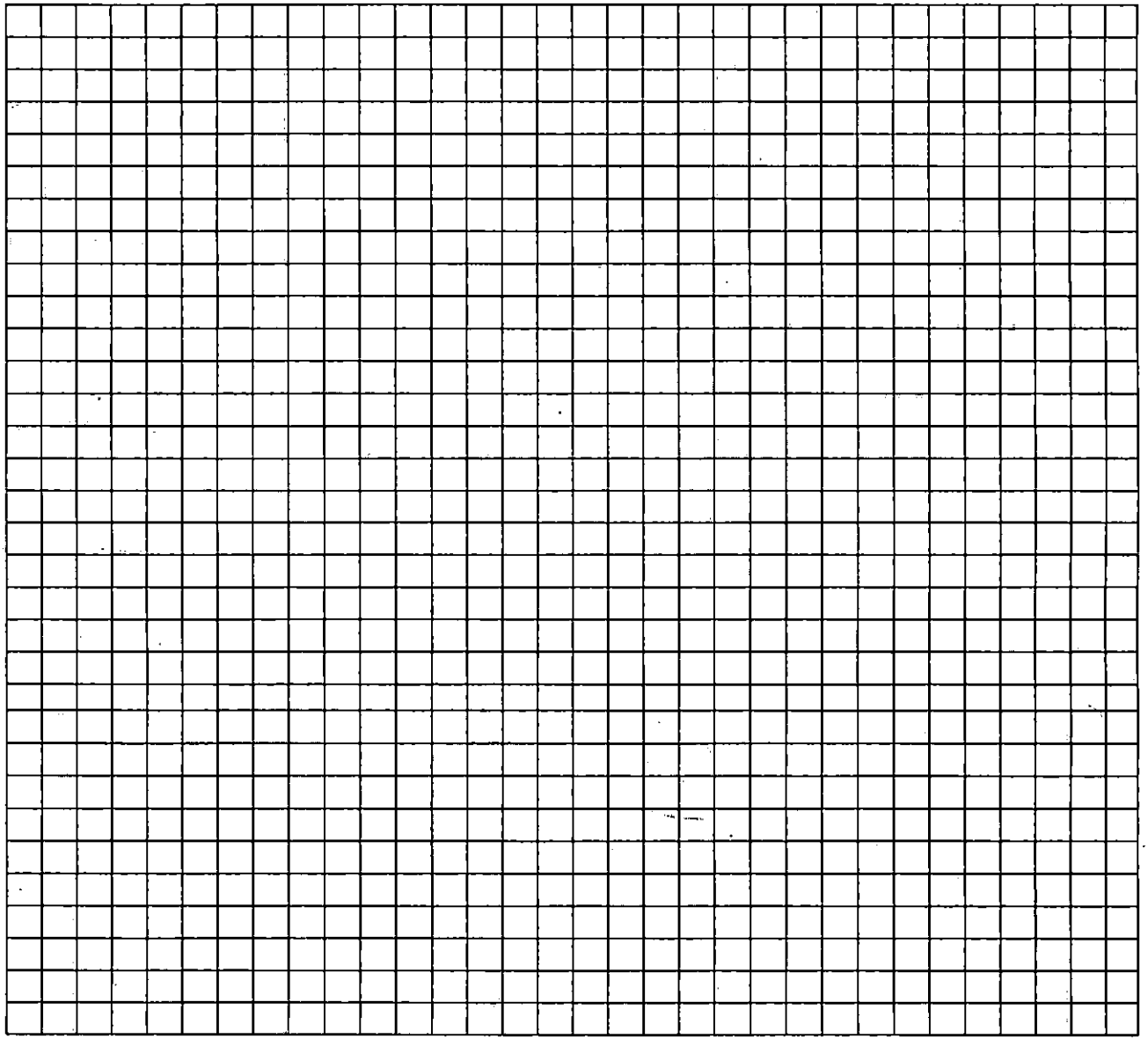
File #: _____

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: _____ Tax Parcel #: _____

Subdivision Name: _____ Lot #: _____

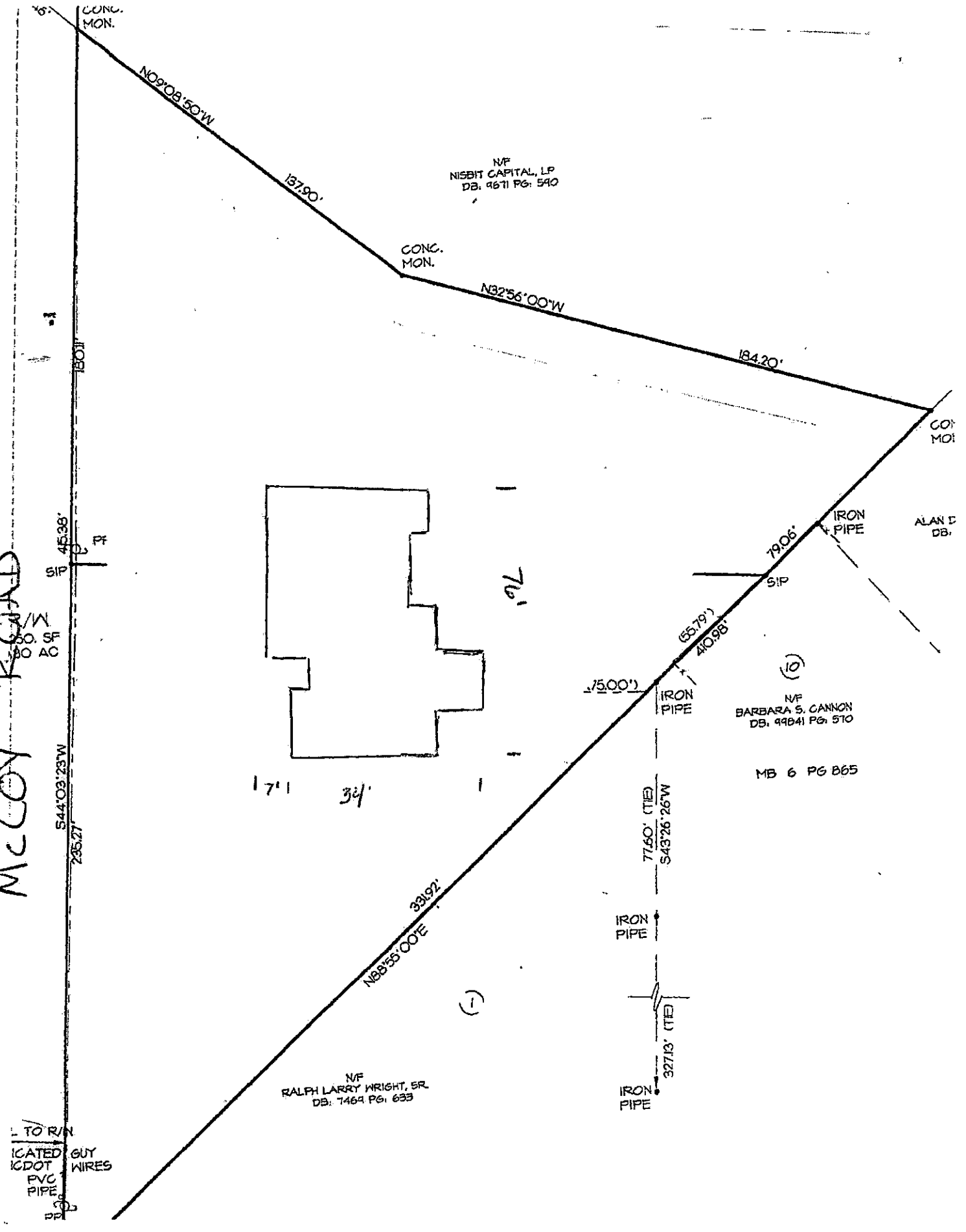


_____ _____

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

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


CONC. MON.
N09°08'50"W
137.90'
N/F
NISBIT CAPITAL, LP
DB. 9871 PG. 540
CONC. MON.
N32°56'00"W
184.20'
180.11'
45.38'
PF
S1P
W/W
50. SF
.80 AC
S44°03'23"W
235.27'
McCOY ROAD
79.06'
IRON PIPE
S1P
(55.79')
410.98'
(75.00')
IRON PIPE
N/F
BARBARA S. CANNON
DB. 9984I PG. 570
MB 6 PG 865
77.60' (TIE)
S43°26'26"W
331.92'
N88°55'00"E
IRON PIPE
327.13' (TIE)
IRON PIPE
N/F
RALPH LARRY WRIGHT, SR.
DB. 7469 PG. 633
TO R/W
ICATED GUY
ICDOT WIRES
PVC
PIPE
PP
7'
34'
7'
(1)
(10)

Ellis, Loretta

From: Ellis, Loretta
Sent: Friday, March 31, 2017 10:02 AM
To: 'PUTNAMRG@GMAIL.COM'
Subject: MCCOY ROAD

Good morning, I need to collect the 250.00 for the New Septic System application that you submitted for MCCOY RD, also I need a plot drawing of the dimension of the home and layout before I can process the application. Thank you

Loretta W. Ellis
Administrative Assistant III
Environmental Health Services
Mecklenburg County Health Department
Office 980-314-1680
Fax 704-336-6894
Email Loretta.Ellis@MecklenburgCountyNC.gov
http://Groundwater.charmeck.org
http://Meckpools.charmeck.org

CONFIDENTIALITY NOTICE: This message and any attachments included are from the Mecklenburg County Health Department and are for sole use by the intended recipient(s). The information contained herein may include confidential or privileged information. Unauthorized review, forwarding, printing, copying, distributing, or using such information is strictly prohibited and may be unlawful. If you received this message in error, or have reason to believe you are not authorized to receive it, please contact the sender by reply email and destroy all copies of the original message. Thank you!

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

Sheet: 1 of 2
Property ID: 015-252-01
Lot #: NA
File #: 4113B
AppID: 8855

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Ronald Glenn Putnam
Applicant: owner
Address: 15027 Beatties Ford Rd, Huntersville, NC 28078
Date Evaluated: 4/7/2017
Proposed Facility: 4 Bedroom House
Design Flow (.1949): 480 GPD
Property Size: 1.2 ac
Location of Site: 9520 McCoy Rd, Huntersville, NC 28078
Property Recorded: 6/14/2016
Water Supply: [ ] Public [ ] Individual [ ] Well [ ] Spring [X] Municipal
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 .1941 Structure/ Texture	.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 4%	0 - 8	Fill		2 chroma at 40"	44	NA	NA		PS IV 0.25	27"
		8 - 20	sbk C	S P FR SEXP							
		20 - 36	sbk SC	S P FR SEXP							
		36 - 44	sbk C	S P FI SEXP							
Boring #2	LS 4%	0 - 3	gr L	SS SP FR SEXP	2 chroma at 44"	48	NA	NA		PS IV 0.25	31"
		3 - 9	sbk SCL	S SP FR SEXP							
		9 - 25	sbk C	S P FR SEXP							
		25 - 48	sbk SC	S P FI SEXP							
Boring #3	LS 4%	0 - 5	gr L	SS SP FR SEXP	>45	45	NA	NA		PS IV 0.25	32"
		5 - 14	sbk SCL	S SP FR SEXP							
		14 - 45	sbk SC	S P FI SEXP							
Boring #4	FS 3%	0 - 4	gr L	SS SP FR SEXP	2 chroma at 36"	40	NA	NA		PS IV 0.25	24"
		4 - 14	sbk SCL	S SP FR SEXP							
		14 - 40	sbk SC	S P FI SEXP							
Boring #5	LS 4%	0 - 5	gr L	SS SP FR SEXP	2 chroma at 33"	37	NA	NA		PS IV 0.25	20"
		5 - 16	sbk SCL	S SP FR SEXP							
		16 - 37	sbk SC	S P FR SEXP							
Boring #6	LS 4%	0 - 5	gr L	SS SP FR SEXP	2 chroma at 43"	46	NA	NA		PS IV 0.25	30"
		5 - 15	sbk SCL	S SP FR SEXP							
		15 - 46	sbk SC	S P FR SEXP							

Description	Initial System	Repair System
Available Space (.1945)		
System Type(s)		
Site LTAR (gpd/sq ft)	0.25	0.25

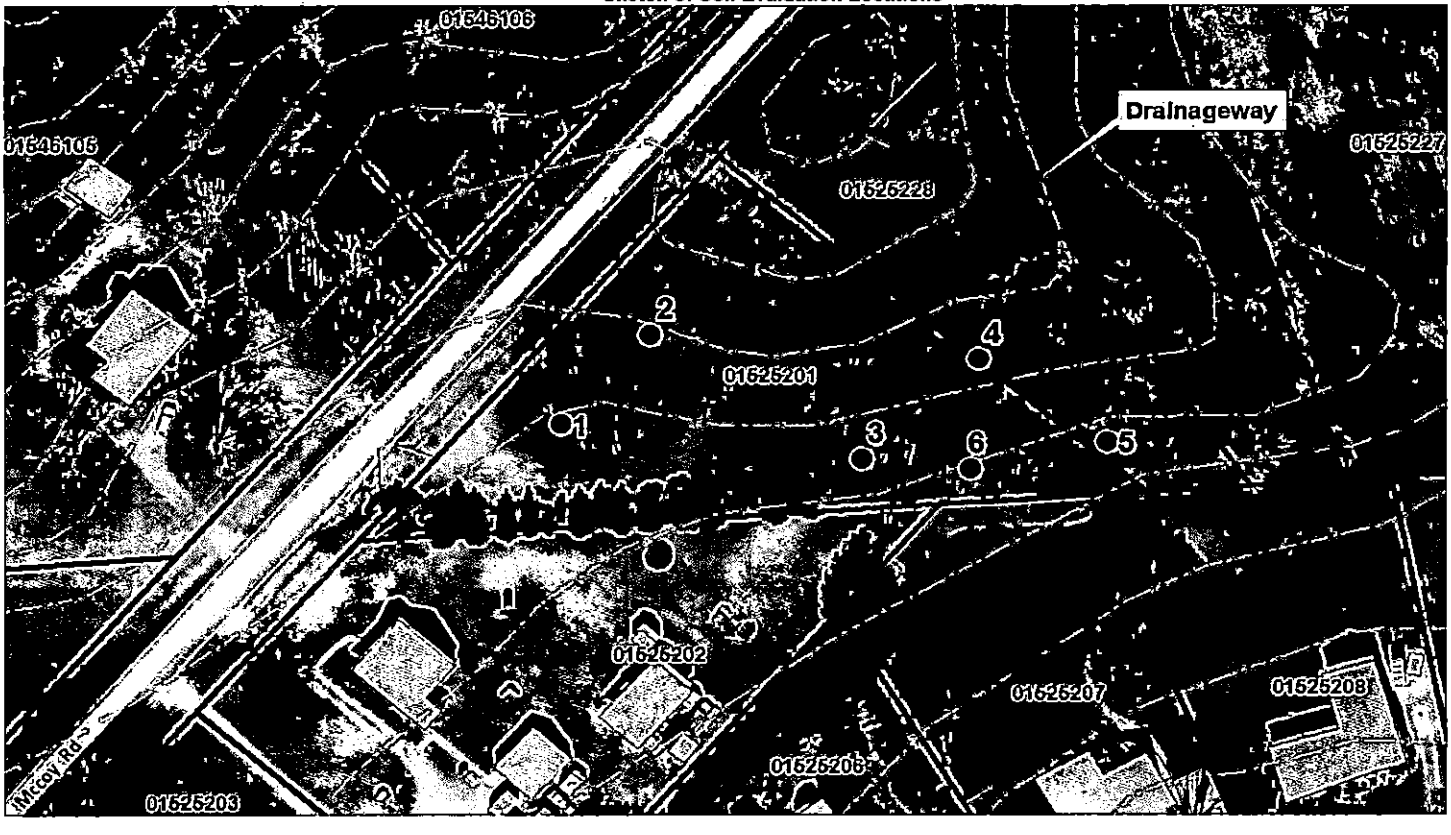
Other Factors (.1946): NA
Soil Evaluation By: Jacob Presley, LSS, REHS
Others Present:
Site Classification (.1948):
Site Evaluation By:
Others Present:

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



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

Sheet: 1 of 2
Property ID: 015-252-01
Lot #: NA
File #: 4113B
AppID: 8855

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

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Evaluation Method: [X] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

Applicant: owner
Date Evaluated: 4/7/2017
Property Size: 1.2 ac
Property Recorded: 6/14/2016

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	General Comments	Profile Class & LTAR	Maximum Trench Bottom Depth for 3' Wide Conventional Trench
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		36 - 44	sbk C	S P FI SEXP							
Boring #2	LS 4%	0 - 3	gr L	SS SP FR SEXP	2 chroma at 44"	48	NA	NA		PS IV 0.25	31"
		3 - 9	sbk SCL	S SP FR SEXP							
		9 - 25	sbk C	S P FR SEXP							
		25 - 48	sbk SC	S P FI SEXP							
Boring #3	LS 4%	0 - 5	gr L	SS SP FR SEXP	>45	45	NA	NA		PS IV 0.25	32"
		5 - 14	sbk SCL	S SP FR SEXP							
		14 - 45	sbk SC	S P FI SEXP							
Boring #4	FS 3%	0 - 4	gr L	SS SP FR SEXP	2 chroma at 36"	40	NA	NA		PS IV 0.25	24"
		4 - 14	sbk SCL	S SP FR SEXP							
		14 - 40	sbk SC	S P FI SEXP							
Boring #5	LS 4%	0 - 5	gr L	SS SP FR SEXP	2 chroma at 33"	37	NA	NA		PS IV 0.25	20"
		5 - 16	sbk SCL	S SP FR SEXP							
		16 - 37	sbk SC	S P FR SEXP							
Boring #6	LS 4%	0 - 5	gr L	SS SP FR SEXP	2 chroma at 43"	46	NA	NA		PS IV 0.25	30"
		5 - 15	sbk SCL	S SP FR SEXP							
		15 - 46	sbk SC	S P FR SEXP							

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	III g	III g
Site LTAR (gpd/sq ft)	**0.25**	**0.25**

Other Factors (.1946): NA
Soil Evaluation By: Jacob Presley, LSS, REHS
Others Present:
Site Classification (.1948): Provisionally Suitable
Site Evaluation By: Jeremy Michelone, REHS
Others Present: Glenn Putnam

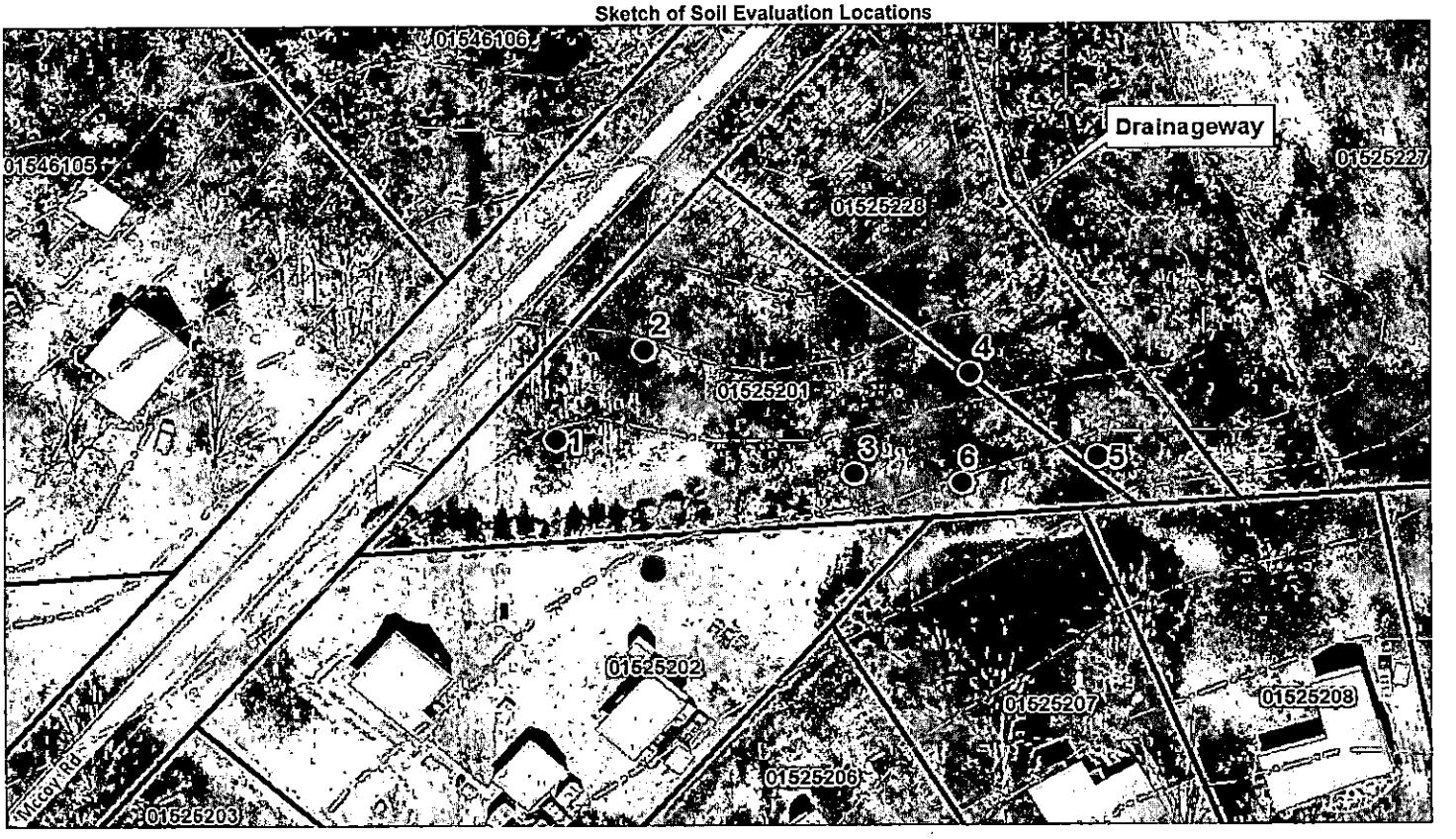
Sheet: 2 of 2
File #: 4113B
AppID: 8855

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		CL-Clay Loam		Sap-Saprolite
FP-Flood Plain		SCL-Sandy Clay Loam		**Structure Prefixes**
D-Drainage Way		SiL-Silt Loam		w-weak
				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



Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 211 Charlotte, NC 28202
Phone: (980) 314-1680 Fax: (704) 336-6894

NC DHHS
Division of Environmental Health
On-Site Wastewater Section

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

Permit #: **30008855** GWS File #: **4113B** Tax Parcel #: **015-252-01**

- 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):** 7/7/2022

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

Structure Type: HOUSE Size (ft^2): 2384 # Bedrooms: 4 Max. Occup.: 8

Building Foundation: Crawl Space Water Supply: Municipal

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

Initial System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.25	Septic Tank Size (gal):	1000	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):	27	Depth of Media (in):	12	Distribution Device:	Drop Boxes		

III. Repair System Type: Accepted **System Classification:** IIIg

Repair System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.25	Septic Tank Size (gal):	1000	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):	27	Depth of Media (in):	12	Distribution Device:	Drop Boxes		

IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

The undersigned, an authorized agent of the STATE OF NORTH CAROLINA, 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 a Pre-Construction meeting has been completed by the Department.
- The septic system installer shall be a licensed septic contractor with the North Carolina Wastewater Contractor Inspector Certification Board.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

Authorized Agent: Jeremy Michelone Owner/Legal Agent: _____
Print Name

Signature: Jeremy Michelone Signature: _____

Date Issued: 7/7/2017

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700 N. Tryon St, Suite 211 Charlotte, NC 28202
Phone: (980) 314-1680 Fax: (704) 336-6894

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

Permit #: **30008855** GWS File #: **4113B**

IV. Permit Conditions/Comments:

- 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.
- 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.

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Authorized Agent: Jeremy Michelone

Signature: _____

Date Issued: 7/7/2017

Owner/Legal Agent: _____
Print Name

Signature: _____

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700 N. Tryon St, Suite 211 Charlotte, NC 28202
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IMPROVEMENT PERMIT for a RESIDENTIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

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Repair System Specifications:

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Authorized Agent: Jeremy Michelone Owner/Legal Agent: Ronald Glenn Ruthem III

Signature: Jeremy Michelone Signature: Ronald Glenn Ruthem III

Date Issued: 7/7/2017

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 211 Charlotte, NC 28202
Phone: (980) 314-1680 Fax: (704) 336-6894

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

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Authorized Agent: Jeremy Michelone Owner/Legal Agent: Ronald Glenn Putnam III

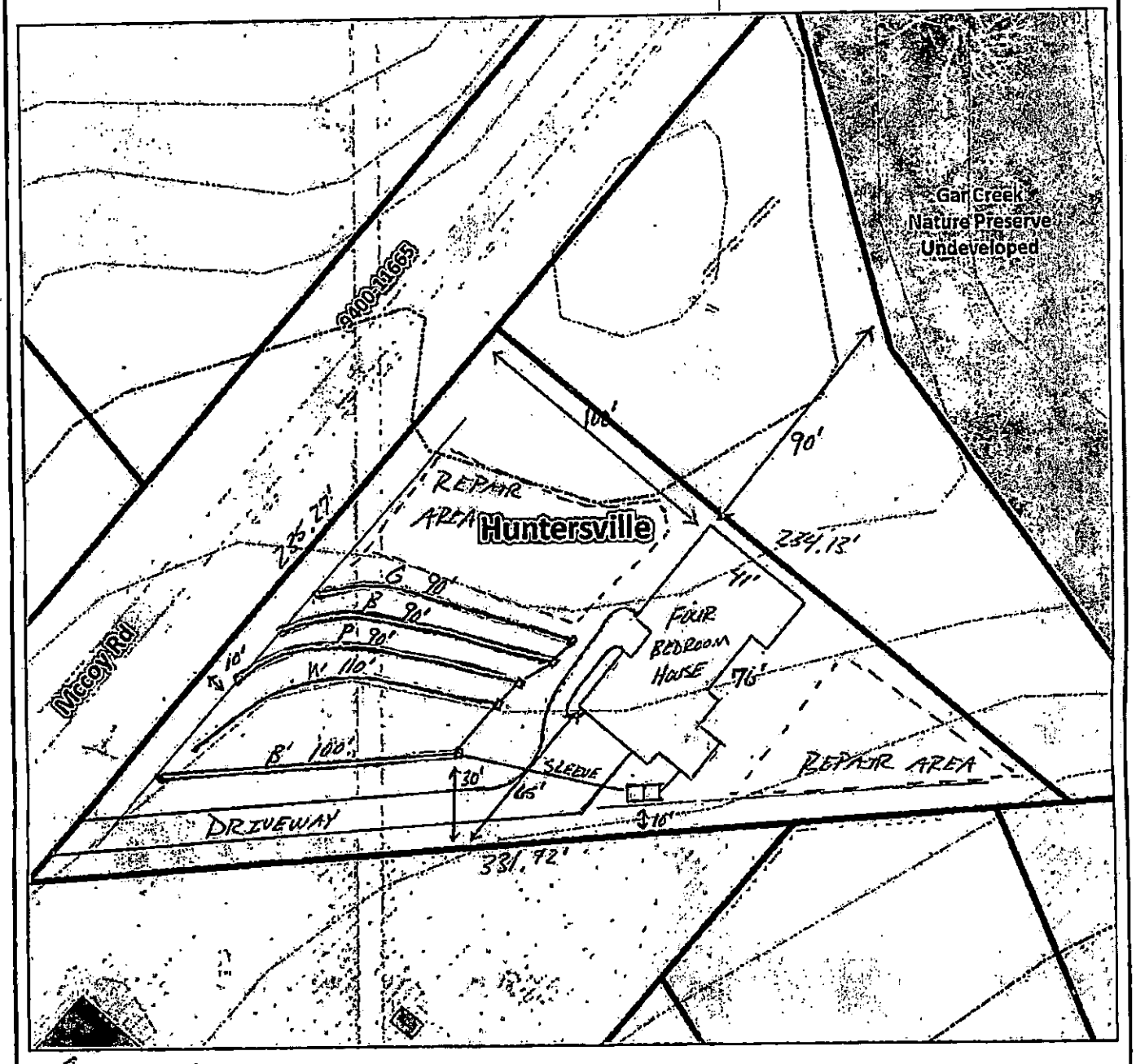
Signature: Jeremy Michelone Signature: Ronald Glenn Putnam III

Print Name

Date Issued: 7/7/2017

9520 McCoy Road

On-site Wastewater Improvement Permit Diagram



COMMENTS

- 4 Bedroom House
- 1000 SEPTIC TANK
- 0.25 LTAR
- 480 TLF (5 LINES)
- TYPE IIIg 25% REDUCTION SYSTEM + REPAIR
- -27" MAX TRENCH DEPTH
- SLEEVE UNDER DRIVEWAY

Mecklenburg County Health Department
Environmental Health - Groundwater and Wastewater Services

Permit #: 8855
PID #: 015-252-01
File #: 41138

* SEWER LINE MUST BE KEPT AT GRADE TO ACHIEVE GRAVITY FLOW. A PUMP TANK WILL BE REQUIRED IF GRAVITY CAN NOT BE ACHIEVED.

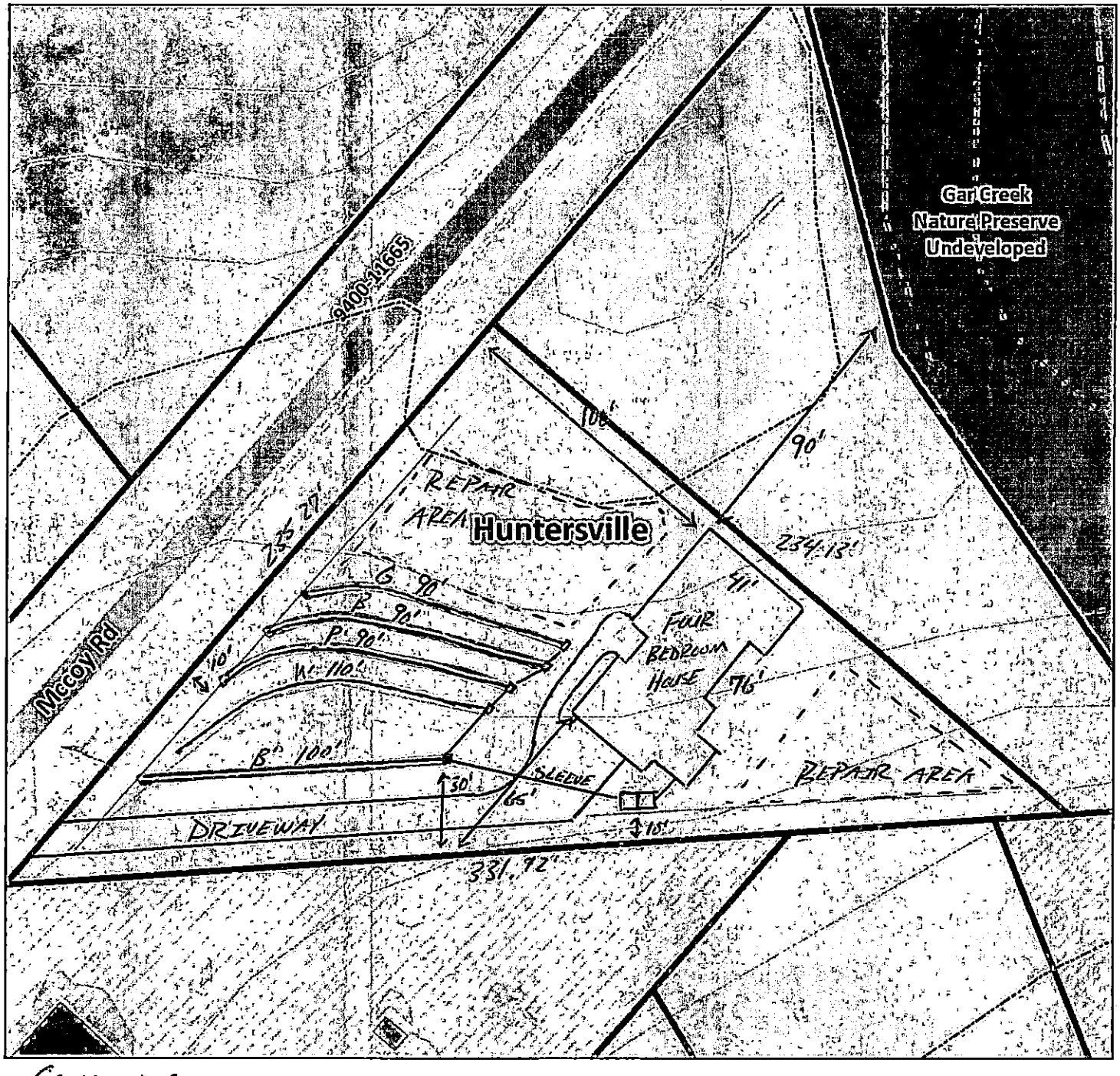
Authorized Agent: [signature] Date: 7/7/2017

Owner/ Legal Agent: Donald Glen Pitt Date: 7/11/2017

1 inch = 50 feet

9520 McCoy Road

On-site Wastewater Improvement Permit Diagram



COMMENTS

- 4 BEDROOM HOUSE
- 1000 SEPTIC TANK
- 0.25 LTAR
- 480 TLF (5 LINES)
- TYPE IIIg 25% REDUCTION SYSTEM + REPAIR
- 27" MAX TRENCH DEPTH
- SLEEVE UNDER DRIVEWAY

Mecklenburg County Health Department
Environmental Health - Groundwater and Wastewater Services

Permit #: 8855
PID #: 015-252-01
File #: 41138

* SEWER LINE MUST BE KEPT AT GRADE TO ACHIEVE GRAVITY FLOW. A PUMP TANK WILL BE REQUIRED IF GRAVITY CAN NOT BE ACHIEVED.

Authorized Agent: [signature] RHS Date: 7/7/2017

Owner/ Legal Agent: _____ Date: _____

1 inch = 50 feet

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St., Suite 211 Charlotte, NC 28202
Phone: (980) 314-1680 Fax: (704) 336-6894

Septic System Pre-Construction Meeting Checklist

File # 4113B App # 8855 Tax Parcel # 015-252-01

Property Owner: Ronald Glenn Putnam, III

Job Location Address: 9526 McCoy Road

City: Huntersville State: NC Zip Code: 28078

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

   ☒ YES ☐ NO

   Comments: _____

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.

Jeremy Michelen, REHS — 6/4/18

Authorized Agent — Date

Chris Holmes / Brad Russell

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 #: 41138 Permit #: 8855 Tax Parcel #: 015-252-01

Property Owner: Ronald Glenn Putnam, III

Job Location Address: 9520 McCoy Road

City: Huntersville State: NC Zip Code: 28078

Operation Permit Issuance Date: 6/6/18 Contractor Name: R+H

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

Liquid Capacity of Septic Tank: 1000 gallons Manufacture Pellinger Effluent Pump Model: ———

Drainfield Installation ☐ N/A

Trench Depth: 27 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 496 feet

# of Lines: 5 @ VARY feet

Depth of Media: 12 inches (Type) IQ4W

Depth of Cover: 15 inches

Distribution Device: END-CAP

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: 6' feet

Distance from Property Line: 11' feet

Distance from Water Supply Source: >50' feet

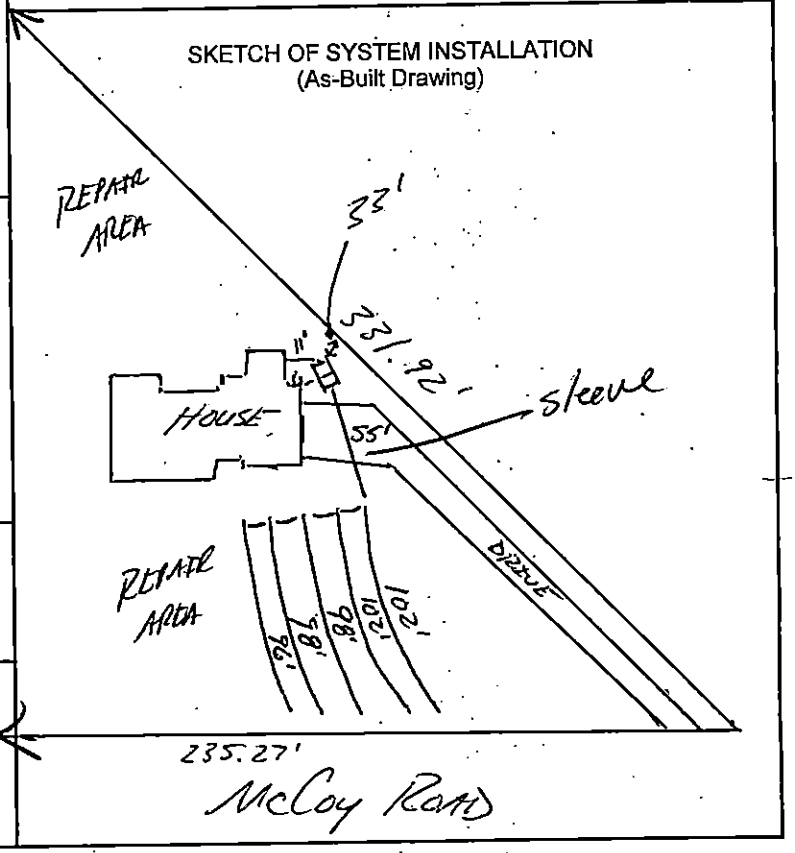
Inspection Dates

Tank(s) Inspected: 6/6/18

Excavation Inspected: 6/6/18

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: III, GRAVITY, IQ4W, NA, NA

DENR Authorized Agent: Jeremy Nicholas, REHS Signature: Jeremy Nicholas, REHS

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St., Suite 211 Charlotte, NC 28202
Phone: (980) 314-1680 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 #: 4113B Permit #: 8855 Tax Parcel #: 015-252-01

Property Owner: Ronald Glenn Putnam, III

Job Location Address: 9520 McCoy Road

City: Huntersville State: NC Zip Code: 28078

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: IIIg

*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: Jeremy Micholas, REHS Date: 6/6/18

Signature: Jeremy Micholas REHS