Supervisor/Administrative Professional Checklist

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

New Septic Fees Paid:

IP ($250.00) 9/22/15 LE Initials/Date

CA ($200.00) 8/24/18 LE Initials/Date

OP ($200.00) 8/24/18 LE 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 ☑ JMM
O/L to generate CPT

This site is served by septic and well. Verify each is complete before final hold is released. ☐ — City Water Connection

Septic file completed. ☒ 5/29/18 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. ☐ _____

→ O.K. to Release Occupancy Hold

Groundwater & Wastewater Services
Septic Project File & Data Review Worksheet

GWS File #: 9284B WASPS App #: 7783

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: 4 Were sufficient auger borings made?	Yes ☑	No ☐	N/A ☐
.1939(d), .1955, .1956, .1957	LTAR 0.3	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)	Num r of Bedrooms, employees, seats, etc. i licated?	Yes ☑	No ☐	N/A ☐
.1937(g)	Tren depth indicated?	Yes ☑	No ☐	N/A ☐
.1937(g)	Tren width indicated?	Yes ☑	No ☐	N/A ☐
.1937(g)	Tren length indicated?	Yes ☑	No ☐	N/A ☐
130A-336(a)(1)	Prop ed/existing well shown?	Yes ☑	No ☐	N/A ☐
130A-336(a)(1)	Prop y line lengths shown?	Yes ☑	No ☐	N/A ☐
130A-336(a)	Facil /appurtenance setbacks show from fixed points?	Yes ☑	No ☐	N/A ☐

Oper ion Permit

.1937(i)	Syste type as described in table V(a) rule .1961	Yes ☑	No ☐	N/A ☐
.1937(i)	Cond ons for system performance, operation, maint iance, monitoring and reporting.	Yes ☑	No ☐	N/A ☐

II. WASPS Review:

Construction authoriz on issued	Yes ☑	No ☐	N/A ☐
Installation approval i ued	Yes ☑	No ☐	N/A ☐
Operation permit issu	Yes ☑	No ☐	N/A ☐
Other related docume tion	Yes ☐	No ☐	N/A ☑

Items requiring correction/modification: _____

Comments:

_____

_____

_____

_____

_____

IA issued date: 1/ /19

OP issued date: 5/ /19

Review performed by: JAM Date performed: 5/29/19

92490

MECKLENBURG COUNTY
HEALTH DEPARTMENT

Application # 7783

22 SEP '15 PM 2:34

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: Part of 01123129

STREET ADDRESS: 12740 Westmore land Rd

CITY: Huntersville

STATE: NC ZIP: 28078

SUBDIVISION NAME: _____

LOT #: 5 LOT SIZE (acres): 1.296

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: 4,225

NUMBER OF BEDROOMS: 4

NUMBER OF OCCUPANTS: 8

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? in progress ☐ UNKNOWN

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

12. PROPERTY OWNER:

NAME: Peter Guertin

ADDRESS: 10 Apsley Ct.

CITY: McLeansville

STATE: NC ZIP: 27301

WORK PHONE: _____

MOBILE PHONE: _____

FAX: _____

E-MAIL: _____

13. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:

NAME: The Oaks Group, Kathleen Saunders L

ADDRESS: 121 Holt Ln

CITY: Mooresville

STATE: NC ZIP: 28117

WORK PHONE: _____

MOBILE PHONE: (704) 578-4951

FAX: _____

E-MAIL: kathleensaunders@gmail.com

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. EAH (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.

Anna Helt
Property Owner's or Owner's Legal Representative Signature

11/17/15
Date

OFFICE USE ONLY

O SURVEY PLAT TO SCALE SUBMITTED O SCALED SITE PLAN SUBMITTED O 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

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: 12740 Westmoreland Rd

Tax Parcel #: Part of 01123111

Subdivision Name: _____

Lot #: 5

Please see attached site plan

_____

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

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:

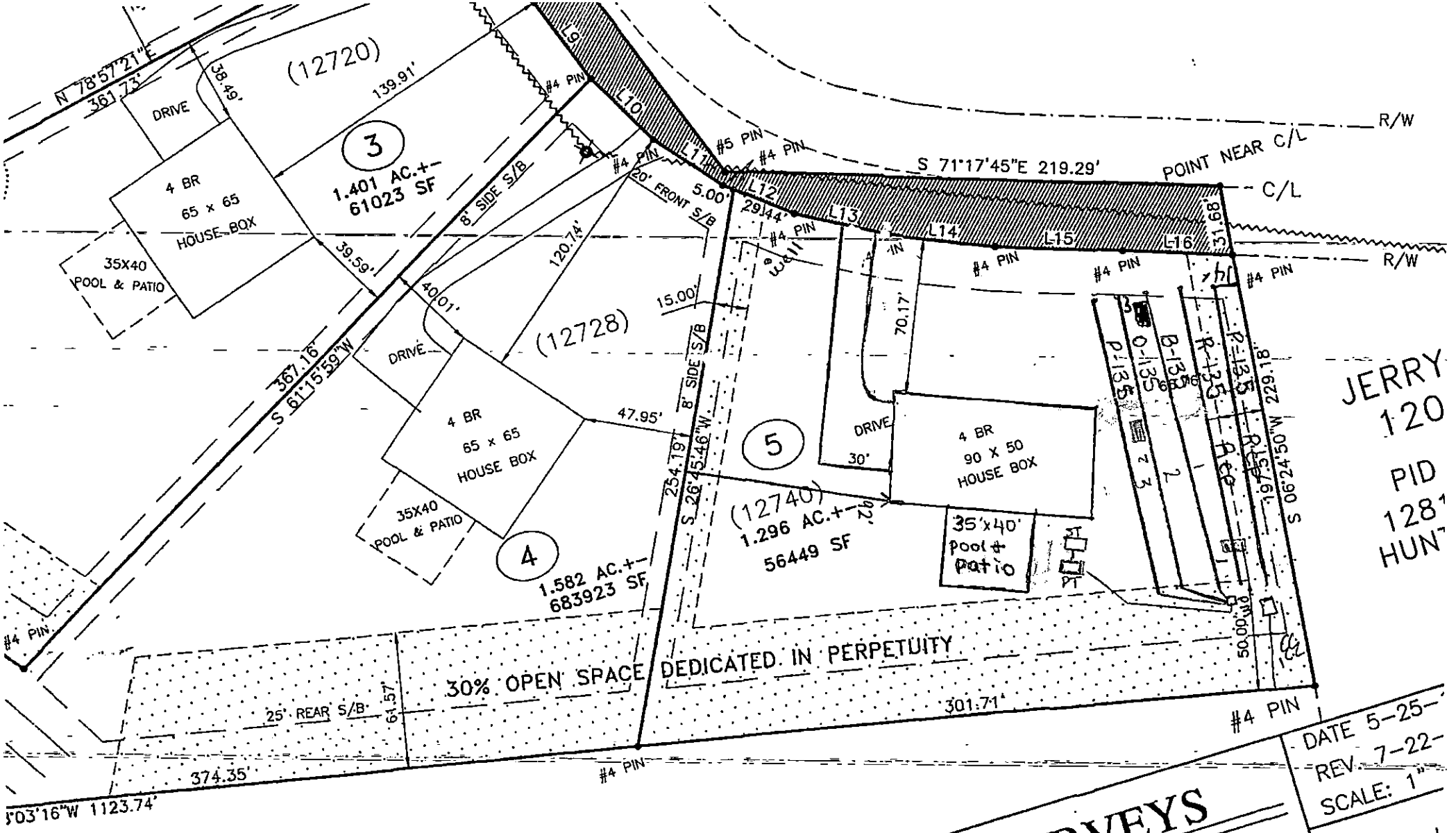
1. The information on the application is true, complete and accurate.
2. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliances with applicable laws and rules.
3. I acknowledge that The Oaks Group is acting as my legal representative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

12740 Westmoreland Rd Huntersville
Number Street Town
(Or Parcel Number)

Peter Guertin
Property Owner (print name)

Property Owner (signature)

September 14, 2015
Date



VICINITY MAP

DATE 5-25-

REV. 7-22-

SCALE: 1"

SURV.

DEDMON SURVEYS

CHUCK POOVEY, PLS #3762

ROBERT DEDMON, PLS #3899

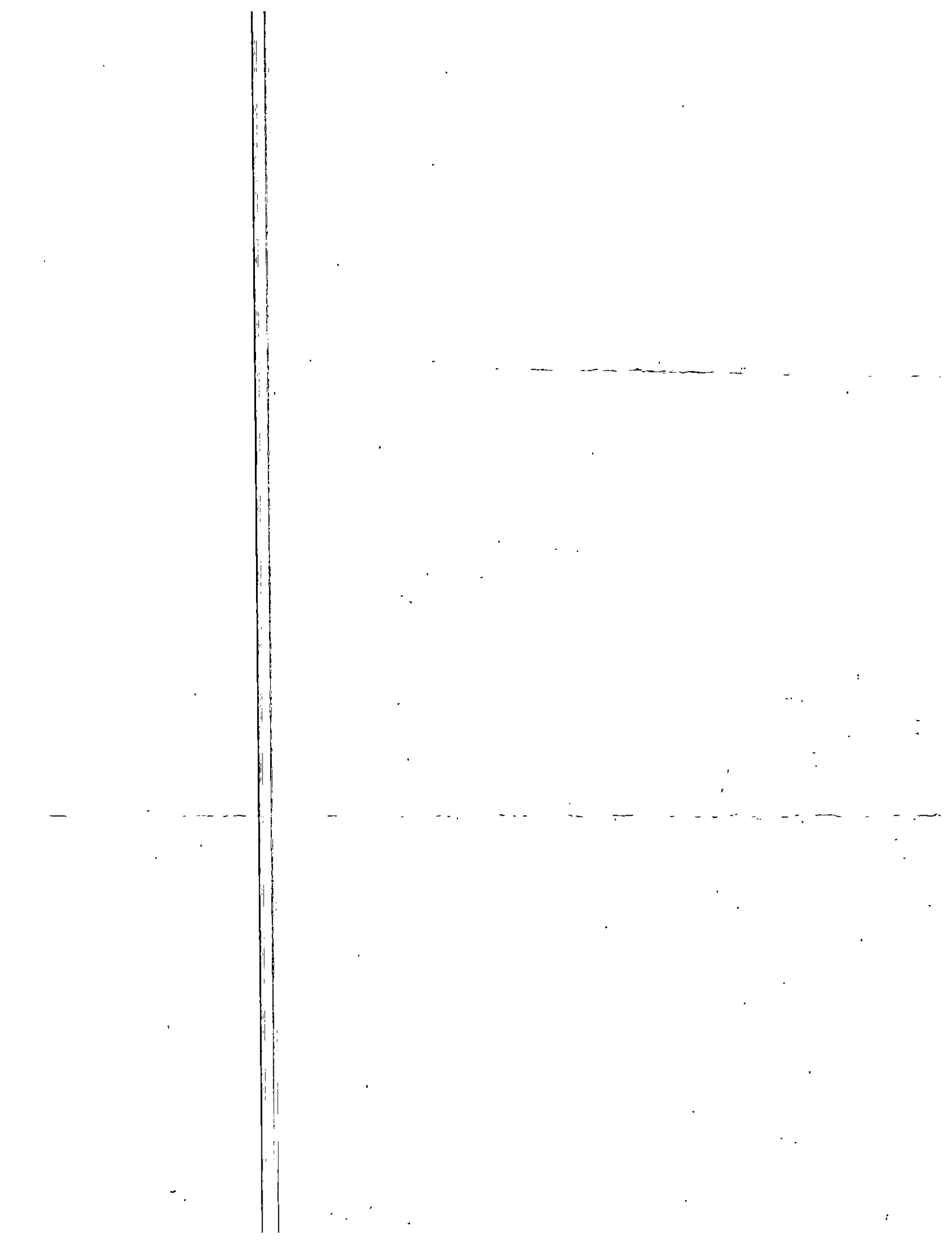
3704 NC HIGHWAY #16 NORTH

P.O. BOX 494 - DENVER, NC 28037

PHONE: 704/483/4908

704/483/2170

S.COM



FEE: 200.00
DATE: 8/27/2018

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

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 9294B

PERMIT NUMBER: 30007783

PARCEL NUMBER: 01123129

JOB LOCATION INFORMATION

ADDRESS: 12740 WESTMORELAND RD

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

ISSUED TO: PETER GUERTIN

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 8/27/2018

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30007783, 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 Kristopher D. Reits

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date: 09/22/15
Receipt #: 96188
Check / Auth #: CHECK 1156
Received By: ANDRAEO

Amount: 250.00
Tendered: 250.00
Returned: 0.00

Account Information

Account #: 200000
Contractor: THE OAKS GROUP, PA
Attn:
Address: 121 HOLT LANE
Address:
City/State/Zip: MOORSEVILLE, NC 28817

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen 12740 WESTMORELAND RD		1	250.00	250.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
370.00					

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date: 08/24/18
Receipt #: 112587
Check / Auth #: CHARGE
Received By: ELLISLW

Amount: 200.00
Tendered: 200.00
Returned: 0.00

Account Information

Account #: X42064
Contractor: R.MORGAN HOMES LLC
Attn:
Address: PO BOX 1801
Address:
City/State/Zip: DENVER, NC 28037

Item	Description	Permit#	Quantity	Unit Price	Total Price
0703	Septic Operational Permit 12740 WESTMORELAND RD		1	200.00	200.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
200.00					

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date: 08/24/18
Receipt #: 112588
Check / Auth #: CHARGE
Received By: ELLISLW

Amount: 200.00
Tendered: 200.00
Returned: 0.00

Account Information

Account #: X42064
Contractor: R.MORGAN HOMES LLC
Attn:
Address: PO BOX 1801
Address:
City/State/Zip: DENVER, NC 28037

Item	Description	Permit#	Quantity	Unit Price	Total Price
0734	Septic Construction Authorizat 12740 WESTMORELAND RD		1	200.00	200.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
400.00					

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

Sheet: 1 of 2
Property ID: 011-231-11 (Portion of)
Lot #: 5
File #: 9294B
AppID: 7783

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Property Owner: Peter Guertin
Address: 10 Apsley Ct, McLeansville, NC 27301
Proposed Facility: 4 Bedroom House
Design Flow (.1949): 480 GPD
Location: 12740 Westmoreland Rd, Charlotte, NC 28078
Water Supply: [ ] Public [X] Individual [X] Well
Evaluation Method: [ ] Auger Boring [X] Pit
Type of Wastewater: [X] Sewage [ ] Industrial Process

Applicant: The Oaks Group; Kathleen Saunders
Date Evaluated: 10/6/15
Property Size: 1.296 ac
Property Recorded: in progress
[ ] Spring [ ] Municipal
[ ] Cut
[ ] 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
Pit #1	LS 5%	0 - 3	gr SCL	SS SP FR SEXP	>55"	55	NA	NA		PS IV 0.3	Install at 36"
		3 - 27	mmabk C	S P FR SEXP							
		27 - 42	wfsbk CL	SS SP FR SEXP							
		42 - 55	wfsbk SCL	SS SP FR SEXP							
Pit #2	LS 5%	0 - 5	gr SCL	SS SP FR SEXP	>66"	34	PS	NA		PS IV 0.3	Install at 36"
		5 - 25	mmabk C	S P FI SEXP							
		25 - 34	wfsbk CL	SS SP FR SEXP							
		34 - 66	mass L Sap	SS SP FR SEXP							
Pit #3	LS 4%	0 - 4	gr SCL	SS SP FR SEXP	>56"	56	NA	NA		PS IV 0.3	Install at 36"
		4 - 30	wfabk C	S P FI SEXP							
		30 - 56	wfsbk CL	SS SP FR SEXP							
Pit #4	LS 4%	0 - 11	gr SCL	SS SP FR SEXP	>65"	43	PS	NA		PS IV 0.3	Install at 36"
		11 - 22	wfsbk C	S P FR SEXP							
		22 - 43	wfsbk CL	SS SP FR SEXP							
		43 - 65	mass L Sap	SS SP FR SEXP							

Description	Initial System	Repair System
Available Space (.1945)	PS	125
System Type(s)	IIIb	IVa
Site LTAR (gpd/sq ft)	0.3	0.3

Other Factors (.1946): NA
Soil Evaluation By: Jacob Presley, REHS, LSS 11/18
Others Present:
Site Classification (.1948): PS
Site Evaluation By: Kim Daniels REHS
Others Present: Kathleen Saunders, LSS

COMMENTS:

Sheet: 2 of 2
File #: 9294B
AppID: 7783

Landscape Position
R-Ridge
SS-Shoulder Slope
LS-Linear Slope
FS-Foot Slope
NS-Nose Slope
HS-Head Slope
CC-Concave Slope
CV-Convex Slope
T-Terrace
FP-Flood Plain
D-Drainage Way

Group	Texture	.1955 LTAR
I	S-Sand	1.2 - 0.8
	LS-Loamy Sand	
II	SL-Sandy Loam	0.8 - 0.6
	L-Loam	
III	Si-Silt	0.6 - 0.3
	SiCL-Silty Clay Loam	
	CL-Clay Loam	
	SCL-Sandy Clay Loam	
	SiL-Silt Loam	
IV	SC-Sandy Clay	0.4 - 0.1
	SiC-Silty Clay	
	C-Clay	

Structure
sg-Single Grain
mass-Massive
cr-Crumb
gr-Granular
sbk-Subangular Blocky
abk-Angular Blocky
pl-Platy
pr-Prismatic
Sap-Saprolite

Structure Prefixes
w-weak
m-moderate
s-strong
f-fine
m-medium
c-coarse

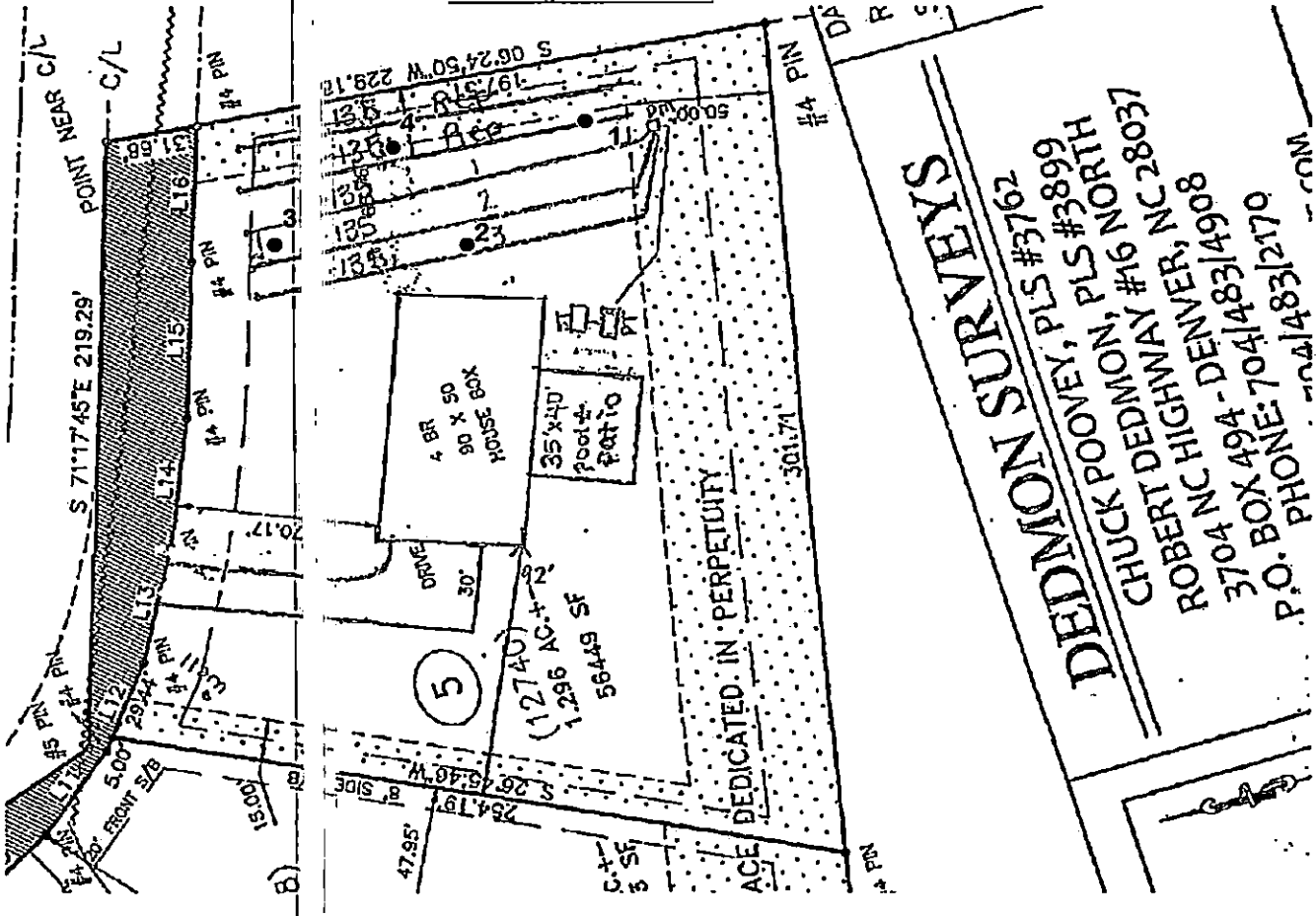
Consistence
Moist
VFR-Very Friable
FR-Friable
FI-Firm
VFI-Very Firm
EFI-Extremely Firm

Consistence
Wet
SS-Slightly Sticky
S-Sticky
VS-Very Sticky
NP-Non-Plastic
SP-Slightly Plastic
P-Plastic
VP-Very Plastic

Mineralogy
SEXP-Slightly Expansive
EXP-Expansive

Classification
US-Unsuitable
PS-Provisionally Suitable
S-Suitable
NA-Not Applicable

Soil Boring Location Sketch



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 #: 30007783 GWS File #: 9294B Tax Parcel #: 011-231-29

- 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):** 12/2/2020

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

Structure Type: HOUSE Size (ft^2): 4225 # Bedrooms: 4 # Occupants: 8

Building Foundation: Crawl Space Water Supply: Private Well

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

Initial System Specifications:

Design Flow (gpd): 480 LTAR (gpd/ft^2): .3 Septic Tank Size (gal): 1000 Pump Tank Size (gal): 1000

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 1200 Total Trench Length (ft): 400

Maximum Trench Depth (in): 36 Depth of Media (in): 12 Distribution Device: Pressure Manifold

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

Repair System Specifications:

Design Flow (gpd): 480 LTAR (gpd/ft^2): .3 Septic Tank Size (gal): 1000 Pump Tank Size (gal): 1000

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 800 Total Trench Length (ft): 267

Maximum Trench Depth (in): 36 Depth of Media (in): 12 Distribution Device: Manifold (LPP Distri

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: Kim Garrett Owner/Legal Agent: Kathleen Saunders

Signature: Kim Garrett, REHS Signature: Kathleen Saunders
Print Name

Date Issued: 12/2/2015

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 #: 30007783 GWS File #: 9294B

IV. Permit Conditions/Comments:

- 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 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.
- 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. from all private wells (saprolite system).
- All waterlines must be located a minimum of 10 ft. from any part of the septic system.
- Flow from all gutters and downspouts shall be directed not to discharge water onto or across any part of the septic system.

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:

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- 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.

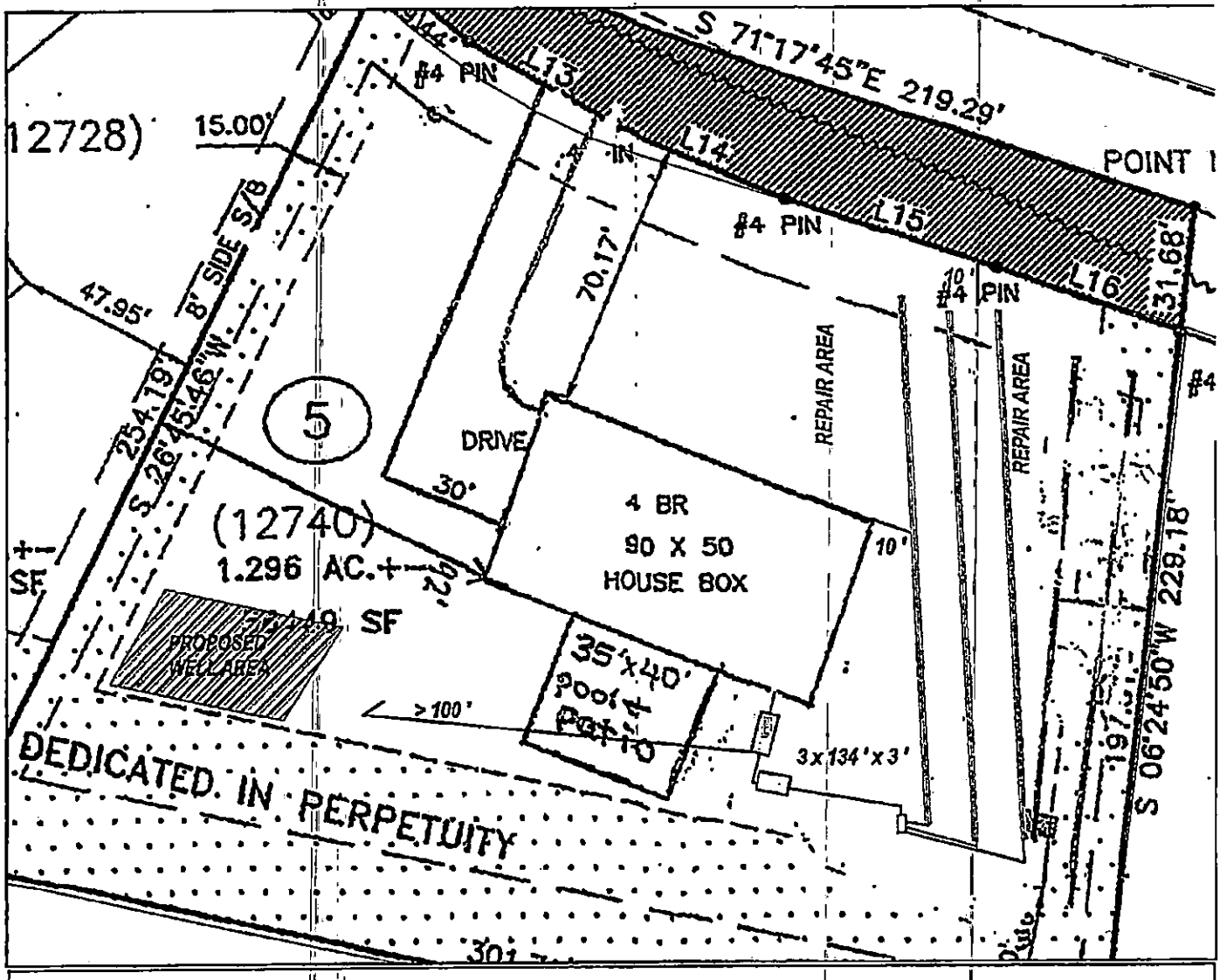
Authorized Agent: Kim Garrett

Signature: Kim Garrett REHS

Date Issued: 12/2/2015

Owner/Legal Agent: Kathleen Saunders
Print Name

Signature: Kathleen Saunders



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

PID # 011-231-~~11~~ 29
12740 Westmoreland Road (Lot 5)
Huntersville, NC 28078

Permit # 30007783
File # 9294 B

Authorized Agent: Kim Garrett, REHS

Owner/Legal Agent: Kathleen Saunders

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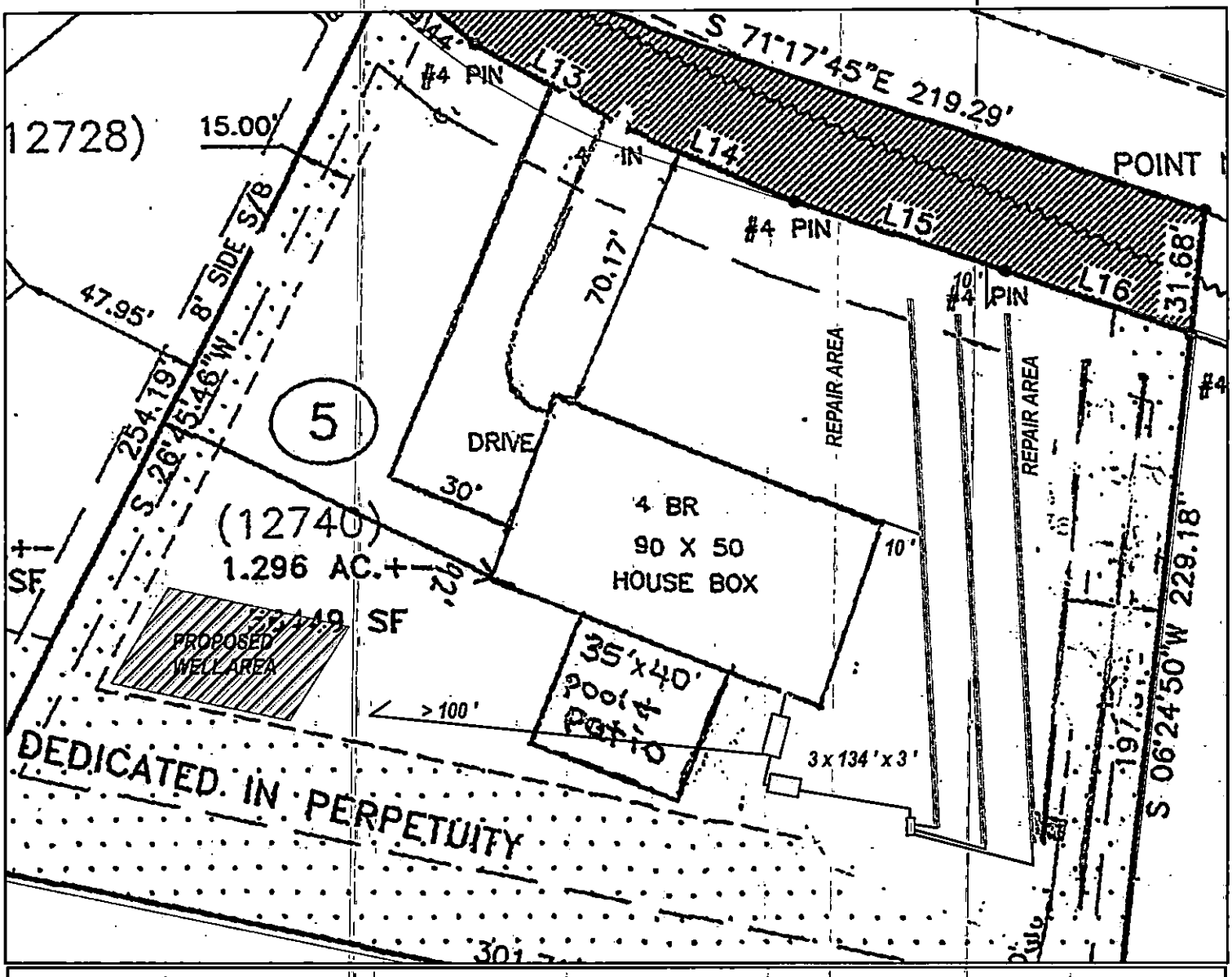
1 inch = 40 feet

INSTALLATION NOTES:
480 gpd
0.3 LTAR
3 x 134 ft x 3 ft (400 TLF) lines to be installed on contour

Install at 36 inches (trench bottom)
1000 gallon ST
1000 gallon PT
TYPE IIIb
Pressure manifold

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

>100 ft from well
>10 ft from property lines and water lines
>10 ft from building foundation



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

PID # 011-231-11
12740 Westmoreland Road (Lot 5)
Huntersville, NC 28078

Permit # 30007783
File # 9294 B

Authorized Agent: Kim Garrett, REHS

Owner/Legal Agent: _____

N
W E
S

1 inch = 40 feet

INSTALLATION NOTES:
480 gpd
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>100 ft from well
>10 ft from property lines and water lines
>10 ft from building foundation

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 # 9294 B App # 30007783 Tax Parcel # 011-231-29

Property Owner: Peter & Dana Guertin

Job Location Address: 12740 Westmoreland Rd

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 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.**

Kim Chmelt — Authorized Agent

1/17/19 — Date

Craig Thompson / Brad Thompson — Others Present

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

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

File #: 9294 B Permit #: 30007783 Tax Parcel #: 011-231-29

Property Owner: Peter & Dana Guertin

Job Location Address: 12740 Westmoreland Road

City: Huntersville State: NC Zip Code: 28078

Operation Permit Issuance Date: 5/22/19 **Contractor Name:** Craig Thompson / Tommy Fryc #10609

Permitted Design Flow: 480 GPD Liquid Capacity of Dosing Tank: 1000 gallons

Liquid Capacity of Septic Tank: 1000 gallons Manufacture: Shoaf Effluent Pump Model: Gould WE50M

Drainfield Installation ☐ N/A

Trench Depth: 36 inches
Trench Width: 3 feet
Line Spacing: 9 feet (O.C.)
Total line length: 402 feet
# of Lines: 3 @ 134 feet
Depth of Media: 12 inches (Type) Chambers
Depth of Cover: 24 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 _____

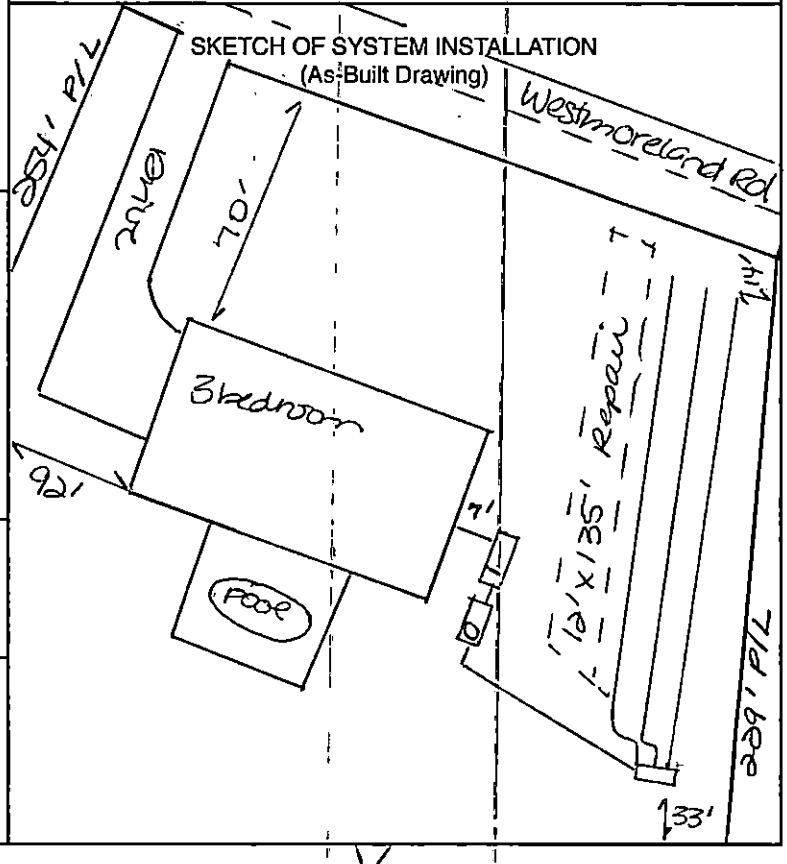
System Installation Setbacks

Distance from Building Foundation: >5 feet
Distance from Property Line: > 10 feet
Distance from Water Supply Source: >10 feet city water line

Inspection Dates

Tank(s) Inspected: 1/17/19
Excavation Inspected: 1/17/19
Pump & Controls Inspected: 5/22/19

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 operated 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: IIIb, pressure, IQ4, n/a, n/a

DENR Authorized Agent: Kim Garrett REHS Signature: Kim Garrett REHS

Mecklenburg County Groundwater & Wastewater Services
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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 #: 9294 B Permit #: 30007783 Tax Parcel #: 011-231-29

Property Owner: Peter & Dana Guertin

Job Location Address: 12740 Westmoreland 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: III b

*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: Kim Garrett, REHS Date: 5/22/19

Signature: Kim Garrett, REHS