9693

Supervisor/Administrative Professional Checklist

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

New Septic Fees Paid

IP ($250.00) LE 3/15/17 Initials/Date

CA ($200.00) LE 10/23/17 Initials/Date

OP ($200.00) LE 10/23/17 Initials/Date

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

New Well Fee Paid: $550.00 _____ Initials/Date

Use Existing Fee Paid: $100.00 _____ Initials/Date

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

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

Floor plans need to be submitted and reviewed before CA can be issued. ☑ Reviewed ☑ JAM 10-23-17

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

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

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. ☐ _____

Groundwater & Wastewater Services: Septic Project File & D

GWS File #:	9692B
WASPS App #:	8822
Primary ES assigned to project:	Brad Hallman
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?	N/A
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?	Yes

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:	10/23/2017

Created at 10/23/2017 11:24 AM by Michael, Jeremy
Last modified at 10/23/2017 11:24 AM by Michael, Jeremy

Close

8 MAR '17 PM 4:29

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: 217 22 212
STREET ADDRESS: 15503 Walnut Hill Dr.
CITY: _____
STATE: NC ZIP: 28278
SUBDIVISION NAME: _____
LOT #: _____ LOT SIZE (acres): .883 acr.
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: 3500
NUMBER OF BEDROOMS: 4
NUMBER OF OCCUPANTS: 3
FOUNDATION TYPE:
○ CONCRETE SLAB ○ BASEMENT WITH PLUMBING
○ AWL SPACE ○ BASEMENT WITH NO PLUMBING

3/9/17 3/14/17 Terry stated he would send Waiting on Addendum

5. IF PLANNING TO EXPAND OR ALTER THI[S] COMPLETE THE FOLLOWING SECTION: ☐ N/A
NUMBER OF BEDROOMS TO BE ADDED: _____ DITIONAL OCCUPANTS IN THE RESIDENCE: _____

6. WATER SUPPLY: ○ MUNICIPAL ◉ PI[VATE] ○ SHARED WELL ○ OTHER _____

7. PROPOSED USE OF WELL: ○ N/A ○ [G] G 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 [2] CONVENTIONAL ☐ ACCEPTED [4] INNOVATIVE [3] 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? _____ [X] UNKNOWN

11. WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? June 2017 ☐ N/A

12. PROPERTY OWNER:
NAME: Rebecca Gilbert
ADDRESS: 25 Pine Tree Cir.
CITY: Asheville
STATE: NC ZIP: 28804
WORK PHONE: _____
MOBILE PHONE: _____
FAX: _____
E-MAIL: _____

13. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:
NAME: Terry Knotts / Knotts Builders
ADDRESS: PO Box 687
CITY: Pineville
STATE: NC ZIP: 28134
WORK PHONE: 704 542 5486
MOBILE PHONE: 704 575 9211
FAX: 704 542 2703
E-MAIL: Terry K @ Knottsdevelopment.net

96923
#8877

8 MAR '17 PM 4:29

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: 217 22 212
STREET ADDRESS: 15503 Walnut Hill Dr.
CITY: _____
STATE: NC ZIP: 28278
SUBDIVISION NAME: _____
LOT #: _____ LOT SIZE (acres): .883 acv.
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: 3500
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 ☑ 2 CONVENTIONAL ☐ ACCEPTED ☑ 4 INNOVATIVE ☑ 3 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? June 2017 ☐ N/A

12. PROPERTY OWNER:
NAME: Rebecca Gilbert
ADDRESS: 25 Pine Tree Cir.
CITY: Asheville
STATE: NC ZIP: 28804
WORK PHONE: _____
MOBILE PHONE: _____
FAX: _____
E-MAIL: _____

13. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:
NAME: Terry Knotts / Knotts Builders
ADDRESS: PO Box 687
CITY: Pineville
STATE: NC ZIP: 28134
WORK PHONE: 704 542 5486
MOBILE PHONE: 704 575 9211
FAX: 704 542 2703
E-MAIL: Terry K @ Knottsdevelopment.net

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.

SDK (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.

Property Owner's or Owner's Legal Representative Signature

3-8-17
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

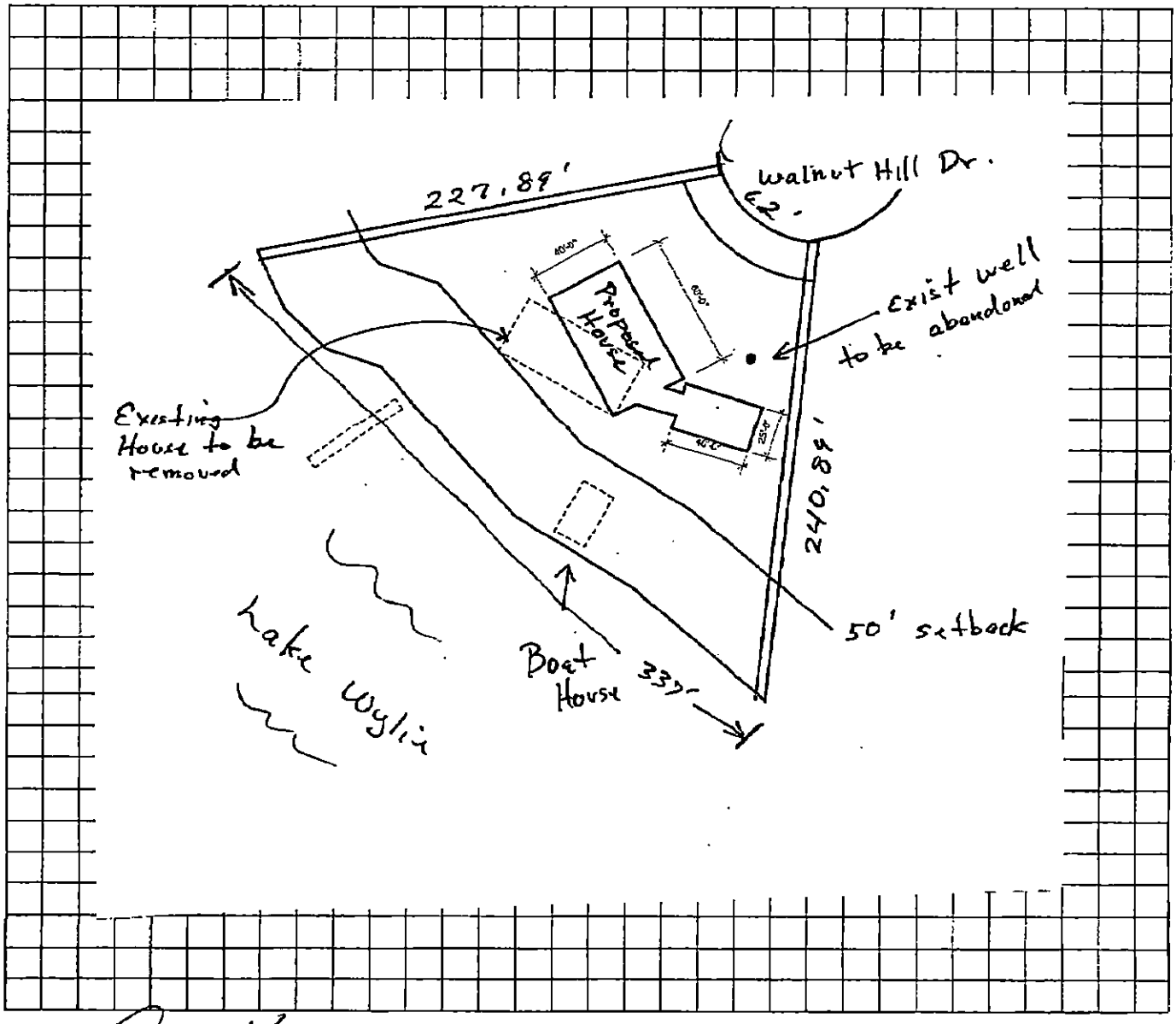
File #: _____

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: 15503 Walnut Hill Dr. Tax Parcel #: 21722 212

Subdivision Name: _____ Lot #: _____



Property Owner's or Owner's Legal Representative Signature

3-8-17
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

KNOTTS DEVELOPMENT RESOURCES, INC.

Question 9 documentation for yes answers.

- Existing well and unknown septic systems will be abandoned.

- Proposed house can be moved or re sized if needed to accomodate new septic and well. Attached plat is new owners preference but will change if needed.

Need IP now. Charge permit fee to Knotts Builders X 43281 account.

Jay Knotts

PO Box 687, Pineville, North Carolina 28134 (704) 542.5486 Fax (704) 542.2703

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 Terry Knotts is acting as my legal representative (agent) in the submittal of the application for a water supply well or septic permit located at

15503 WALNUT HILL DRIVE .
Number Street Town
(Or Parcel Number)

REBECCA MARTIN GILBART
Property Owner (print name)

Rebecca Martin Gilbart
Property Owner (signature)

3/13/17
Date

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

Sheet: 1 of 2
Property ID: 217-222-12
Lot #: NA
File #: 9692B
AppID: 8822

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Property Owner: Rebecca Gilbert
Address: 25 Pine Tree Cir, Asheville, NC 28804
Proposed Facility: 4 Bedroom House
Design Flow (.1949): 480 GPD
Location of Site: 15503 Walnut Hill Dr., Charlotte, NC 28278
Water Supply: [ ] Public [X] Individual [X] Well [ ] Spring [ ] Municipal
Evaluation Method: [ ] Auger Boring [X] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

Applicant: Terry Knotts/Knotts Builders
Date Evaluated: 9/20/2017
Property Size: 0.883 ac
Property Recorded: Unknown

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 2%	0 - 10 10 - 75	sbk C mass SL/L	S P FR SEXP SS SP FR SEXP	>75"	10	PS	NA		PS II 0.35	Install at 48"
Pit #2	LS 4%	0 - 18 18 - 94	Fill mass SL/L	SS SP FR SEXP	>94"	0	PS	NA		PS II 0.35	Install at 48"
Pit #3	LS 5%	0 - 18 18 - 90	Fill mass SL/L	SS SP FR/FI SEXP	>90"	0	PS	NA		PS II 0.325	Install at 48"
Pit #4	LS 5%	0 - 20 20 - 67	gr SL sbk SC	SS SP FR SEXP S P FI SEXP	>67"	67	NA	NA		PS IV 0.25 Drip 0.125	36"
Pit #5	LS 10%	0 - 10 10 - 40 40 - 68	gr SL sbk SC mass L	SS SP FR SEXP S P FI SEXP SS SP FR SEXP	>68"	40	NA	NA		PS IV 0.25 Drip 0.125	36"
Pit #6	LS 5%	0 - 12 12 - 23 23 - 27	gr LS sbk SL sbk SCL	SS SP FR SEXP SS SP FR SEXP SS SP FR SEXP	27"	27	NA	NA		PS III Drip 0.15	NA
Pit #7	LS 5%	0 - 22 22 - 60	gr SL sbk SC	SS SP FR SEXP S P FI SEXP	>60"	60	NA	NA		PS IV 0.25 Drip 0.125	36"

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	IVa	Vd
Site LTAR (gpd/sq ft)	**0.325**	**Drip 0.125**

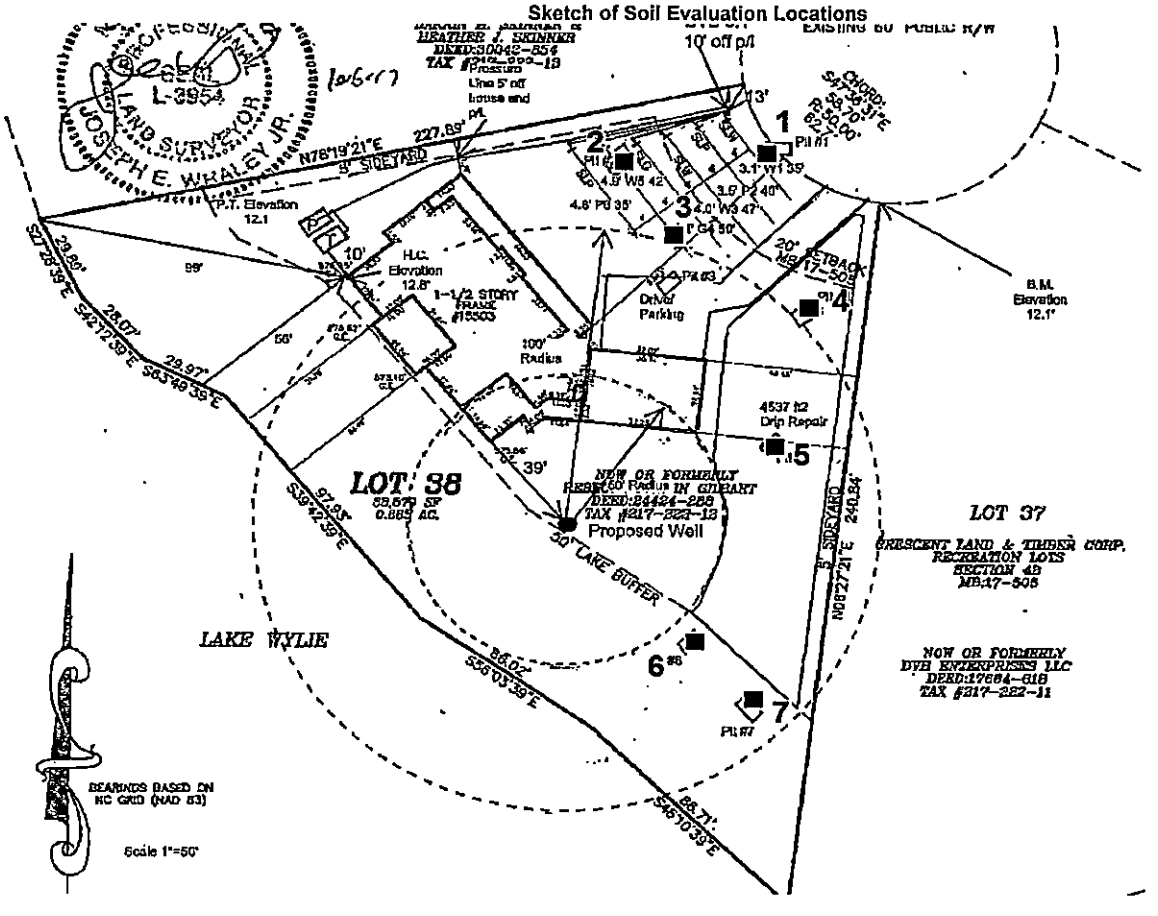
Other Factors (.1946):
Soil Evaluation By: Jacob Presley, REHS, LSS
Others Present: Michael Athanas, LSS
Site Classification (.1948): Provisionally Suitable
Site Evaluation By: Brad Hallman, REHS
Others Present: Michael Athanas, LSS

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
				m-moderate
		SiL-Silt Loam		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 #: 30008822 GWS File #: 9692B Tax Parcel #: 217-222-12

- 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):** 10/23/2022

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

Structure Type: HOUSE Size (ft^2): 3500 # Bedrooms: 4 Max. Occup.: 8

Building Foundation: Crawl Space Water Supply: Private Well

II. Initial System Type: PPBPS (pressurized) **System Classification:** IVa

Initial System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.325	Septic Tank Size (gal):	1000	Pump Tank Size (gal):	1000
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	736	Total Trench Length (ft):	246
Maximum Trench Depth (in):	48	Depth of Media (in):	N/A	Distribution Device:	Manifold (LPP Distri		

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

Repair System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.125	Septic Tank Size (gal):	1000	Pump Tank Size (gal):	1000
Trench Width (ft):	1	Trench Spacing (ft):	2	Absorption Area (ft^2):	3840	Total Trench Length (ft):	3840
Maximum Trench Depth (in):	12	Depth of Media (in):	N/A	Distribution Device:	Headworks (Drip Irr.		

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: Brad Hallman Owner/Legal Agent: Terry Knotts

Signature: Print Name

Date Issued: 10/23/2017 Signature:

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 #: 30008822 GWS File #: 9692B

IV. Permit Conditions/Comments:

- This type of septic system requires an inspection once every 3 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 septic system requires a Certified Operator to maintain the system. A system maintenance contract with a Certified Operator must be on file prior to issuance of an Operation Permit.
- This type of repair system requires the installation of a pump tank and all associated components. This type of system will require routine inspections by our office. The system owner is responsible for all fees associated with these inspections.
- This type of repair system requires the property owner to obtain a contract with a Certified Operator to perform routine inspections and maintenance on the system.
- This type of repair system requires periodic inspections by our office. The system owner is responsible for any fees, as determined by the Mecklenburg County Board of Commissioners, associated with this inspection.
- Proper well abandonment is required prior to receiving an Installation Approval from our office to install the septic system.
- All components of the septic system must be located at least 100 ft. from all private wells (saprolite system).
- Upon completion of the project the system designer shall provide Groundwater & Wastewater Services with a letter certifying that the system was installed in accordance with the approved design.
- 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 septic system shall be located at least 25 feet from any foundation drain.

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: Brad Hallman

Signature:

Date Issued: 10/23/2017

Owner/Legal Agent: Terry Knotts
Print Name

Signature:

PIEDMONT DESIGN ASSOCIATES, P.A.
125 East Plaza Drive, Suite #101
Mooresville, NC 28115
Phone: 704-664-7888 Fax: 704-664-1778
Email: dmunday@pdapa.com

Engineering
Surveying
Planning

GWS Septic System Design Review

GWS File #: 96928

	Approved	Disapproved
Design Review: JRS	☑	☐
Field Review: BWH	☑	☐

*Project is not considered "APPROVED" until both sections above are completed and indicate an APPROVED status.

October 18, 2017

Michael Athanas & Associates
Mr. Michael Athanas, LSS
561 Ennis Road
Weddington, NC 28173

Re: 4 Bedroom SFR Prefabricated Permeable Block Panel (PPBPS) Septic System
15503 Walnut Hill Drive (PID No. 21722212), Mecklenburg County, NC

Dear Mr. Athanas,

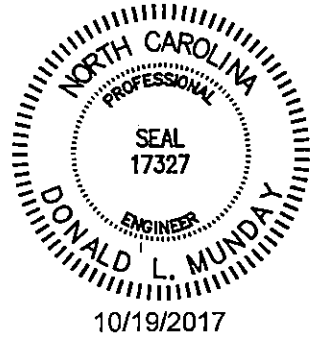
At your request we have reviewed the design calculations for the proposed single family PPBPS septic system intended to serve the above lot. This review was conducted to comply with the North Carolina Board of Examiners for Engineers and Surveyors policy number BP-1007-1 with regards to on-site wastewater system design. We have found that the system is designed correctly and should function as intended.

These comments and recommendations are based on observations made at the time of this review (October 18, 2017) and are limited to that discussed in this letter. Any conditions that may come forth and are different from that discussed herein should be reported to the Engineer for further evaluation. Any questions regarding the recommendations should be addressed to the Engineer for elaboration. Thank you for allowing us to provide this service to you.

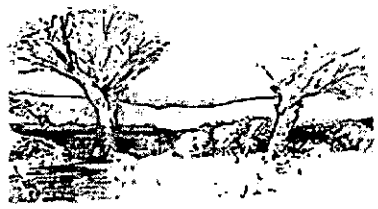
Yours truly,

Piedmont Design Associates, P. A.

Donald L. Munday, P.E.
N. C. Registration No. 17327



10/19/2017



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
561 Ennis Rd.
Weddington, NC 28173
(704) 576-3887

Reference: Data Sheet for 15503 Walnut Hill Drive, Mecklenburg County, NC
House Footprint: See site plan. House site has been placed by surveyor
Building Setbacks: 20' front, 5' side, 50' lake
Water Source: Private well
Number of Bedrooms: 4/480 GPD
Proposed LTAR: 0.325 GPD/FT2
Proposed System Type: PPBPS; 9' centers
Proposed Repair LTAR: 0.125 GPD/FT2
Proposed Repair System Type: TS-I Pre-Treated Drip
Distribution: Low pressure/CVB; 1.25" PVC laterals.
Flow per Orifice: 0.59 GPM
Orifice Size: 3/16"
Number of Panels: 57
System Flow: 33.63 GPM
Dosing Volume: 205.2 gallons
Pump Run Time: 6.1 minutes
Elevation Head: 14'
Friction Head: 3.27'
Pressure Head: 2'
Total Dynamic Head: 19.27'
Supply Line Length: 133'; 2" PVC
Septic/Pump Tank Size: 1000/1000 gallons
Proposed Trench Bottom: 48"
Proposed Trench Width: 36"

Line	Design Length	#of Panels	Actual Length	Elevation
Blue 1	**40'**	**9**	**40'**	**3.1'**
Orange 2	**45'**	**10**	**45'**	**3.5'**
White 3	**50'**	**12**	**53'**	**4.0'**
Orange 4	**55'**	**13**	**55'**	**4.4'**
White 5	**56'**	**13**	**56'**	**4.9'**

Initial System: 246' **Repair System:** 4500ft2+ Drip
Pump Tank: 12.1' **House Corner:** 12.8' **Benchmark:** 2.1' Left front iron.

Comments:
The purpose of this evaluation is to permit the property for a 4 bedroom residence. MA&A has evaluated the property in conjunction with Mecklenburg County Environmental Health.

- The house site and the septic lines have been surveyed.
- **The septic area should be fenced off to keep traffic off of it.**
- The proposed well has been marked using green and white pin flags.
- The septic tank and pump tank maybe installed prior to the house being constructed due to the location. If this is done, they should be fenced off also.
- The lot was deeded March 1, 1976 to allow 5' setback from p/l. See attached plat.
- **The panel lines should have vents on them at the beginning and the end as specified by the manufacturer.**

MINIMUM FLOOD PROTECTION ELEVATION NEEDS TO BE VERIFIED AND APPROVED BY MECKLENBURG COUNTY PRIOR TO ANY CONSTRUCTION

PIER ZONE NEEDS TO BE VERIFIED AND APPROVED BY MECKLENBURG COUNTY PRIOR TO ANY CONSTRUCTION

THE PORTIONS OF THE PROPERTY SHOWN ON THIS SHEET LIE WITHIN THE FLOODPLAIN AS SHOWN ON THE FEMA MAP COMMUNITY PANEL# 3710349900J DATED: MARCH 2, 2009.

SHORELINE DESIGNATED AS RESIDENTIAL.

DUKE POWER PROJECT LIMITS FOR LAKE WYLIE ARE BASED ON THE ELEVATION CONTOUR OF 570.0. THE DUKE POWER PROJECT LIMIT SHOWN ON THIS MAP IS TAKEN FROM A RECORDED MAP OF THE BUSTER BOYD BRIDGE PROJECT A RECORDED IN MAP BOOK 25-276. DUKE POWER RESERVES THE RIGHT TO FLOOD TO THE 580 CONTOUR PER DEED: 3146-165.

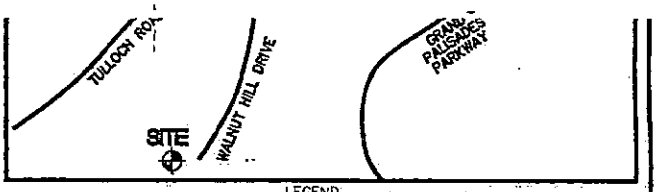
THIS PROPERTY, AT THE TIME OF SURVEY, LIES WITHIN THE ETJ FOR THE CITY OF CHARLOTTE.

BEARINGS BASED ON NC GRID (NAD 83) PER MB: 25-276 RECORDED DECEMBER 23, 1992.

EXISTING ACCESS ROADS/DRIVES MAY BE ABANDONED/RELOCATED.

EXISTING RECORDED RIGHTS OF WAY NOT UTILIZED AT THIS TIME FOR ACCESS ARE CONSIDERED UNOPENED AND NOT AVAILABLE FOR DEDICATION.

BASE FLOOD ELEVATION FOR LAKE WYLIE = 570.00'
FLOOD PROTECTION ELEVATION FOR LAKE WYLIE = 572.00'



PROJECT INFORMATION

ZONING - R-5 (PER MECKLENBURG COUNTY GIS)

MIN. FRONT SETBACK	20'
MIN. SIDEYARD	5'
MIN. CORNER SIDEYARD	10'
MIN. REARYARD	35'
MIN. LOT WIDTH	50'
MIN. LOT SIZE	6,000 SF

*REFER TO ZONING ORDINANCE FOR POSSIBLE ADJUSTMENTS TO THESE MINIMUM DIMENSIONS.

LEGEND

BOC - BACK OF CURB
CO - CLEAN OUT
COS - COMMON OPEN SPACE
CP - CABLE PEDESTAL
CONC. - CONCRETE
ELEV - ELEVATION
EOP - EDGE OF PAVEMENT
EX. - EXISTING
LP - LIGHT POLE
LSE - LANDSCAPE EASEMENT
MB: - MAP BOOK
PSE - PUBLIC STORM DRAINAGE EASEMENT
PUE - PUBLIC UTILITIES EASEMENT
R/W - RIGHT OF WAY
SF- SQUARE FEET
SLG- SEPTIC LINE GREEN
SLO- SEPTIC LINE ORANGE
SLP- SEPTIC LINE PINK
SLW- SEPTIC LINE WHITE
TP - TELEPHONE PEDESTAL
WM - WATER METER
G.E. - GROUND ELEVATION

"I state that this map was drawn under my supervision from an actual survey made under my supervision (map description recorded in Book 30042, page 854); that the boundaries not surveyed are indicated as drawn from information in MAP Book 17, page 505; that the ratio of precision or positional accuracy as IN EXCESS OF 1:10,000; and that this map meets the requirements of The Standards of Practice for Land Surveying in North Carolina (21 NCAC 56, 1600)." This 6 day of SEPTEMBER, 2017.

NORTH CAROLINA PROFESSIONAL L-3954 LAND SURVEYOR JOSEPH E. WHALEY JR.

10/6/17

LOT 39

CRESCENT LAND & TIMBER CORP.
RECREATION LOTS
SECTION 42
MB:17-505

NOW OR FORMERLY
DARRIN H. SKINNER &
HEATHER J. SKINNER
DEED:30042-854
TAX #217-222-13

LOT 36

WALNUT HILL DRIVE
EXISTING 60' PUBLIC R/W

CVB 3.1'
10' off p/l

CHORD: S47°36'31"E 58.70'
R=50.00'
627

13'

Pressure Line 5' off house and p/l.

227.89'

N78°19'21"E

5' SIDEYARD

Pit #1
Pit #2
Pit #3
Pit #4
Pit #5
Pit #6
Pit #7

SLG
SLW
SLP
SLO

4.9' W5 42'
3.1' W1 45'
4.8' P6 35'
3.5' P2 40'
4.0' W3 47'
4.4' G4 50'

P.T. Elevation 12.1

S27°28'39"E 29.89'
S42°12'39"E 28.07'
S63°49'39"E 29.97'
S39°42'39"E 97.93'
S56°03'39"E 66.02'
S48°10'39"E 86.71'

99'
56'
39'

10'

H.C. Elevation 12.8'

1-1/2 STORY FRAME #15503

876.62' G.E.
575.10' G.E.
575.69' G.E.

100' Radius
50' Radius

Drive/ Parking

20' SETBACK MB 17-505

B.M. Elevation 12.1'

AB#1
AB#2
AB#3

4537 ft2 Drip Repair

LOT 38
38,579 SF
0.885 AC.

NOW OR FORMERLY
REBECCA MARTIN GILBART
DEED:24424-288
TAX #217-222-12

Proposed Well

50' LAKE BUFFER

LAKE WYLIE

N06°27'21"E 240.84'

5' SIDEYARD

LOT 37

CRESCENT LAND & TIMBER CORP.
RECREATION LOTS
SECTION 42
MB:17-505

NOW OR FORMERLY
DVH ENTERPRISES LLC
DEED:17664-618
TAX #217-222-11

BEARINGS BASED ON NC GRID (NAD 83)

Scale 1"=50'

X Signature

Designed by Michael Athanas and Associates

PLOT PLAN FOR
REBECCA MARTIN GILBART

Dock
LAKE MICHIGAN
LOT 38
0.884 AC
S56°03'39"E 68.02'
S39°42'39"E 97.93'
S27°28'39"E 29.89'
S42°12'39"E 28.07'
50' LAKE BUFFER
100' Radius
1-1/2 STORY FRAME #1503
H.C. Elevation 12.8'
Elevation 12.1
N78°19'21"E 227.89' p/l
5' SIDEYARD
10' p/l
Pit #6
Pit #5
Pit #4
Pit #3
Pit #2
Pit #1
AB#1
AB#2
AB#3
Drip Repair 4537 ft2
Drive/ Parking
20' Alley
S17°53'39"E 17.68'
N06°27'21"E 240.84'
5' SIDEYARD
S58°42'W 42.95'
S54°40'W 54.50'
S50°03'47"W
10' off p/l
3'
Pit #7
R:50.00
3.1'W
3.6'
LOT
EASEMENT
OR to Shift house
10/31/17



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
561 Ennis Rd.
Weddington, NC 28173
(704) 576-3887

Brad Hallman
Mecklenburg County Health Department
700 N. Tryon Street Suite 208
Charlotte, NC 28202

RE: 15503 Walnut Hill Drive Charlotte, NC; PID # 21722212

Dear Mr. Hallman:
Please see the statement below concerning the system installation at 15503 Walnut Hill Drive Charlotte, NC

Michael Athanas and Associates visited the site on 6/12/2018 and 6/19/2018 to look at the installation. It appears that the system was installed according to our specifications and in the area delineated. The pressure head was increased to 3' due to the depth of the system.

Please let me know if you need any further information. Thank you.

Sincerely,

Michael Athanas
Michael Athanas and Associates

Stanley Environmental Solutions

Septic System Maintenance Agreement

THIS AGREEMENT is made as of 6/18/18 between Stanley Environmental Solutions Inc, a North Carolina Corporation with offices located at 131 Mariposa Road, Stanley North Carolina (Hereby known as contractor) and Jonathan Bielett located at 15503 Walnut Hill Drive, Charlotte NC 28278 (Hereby known as customer) with phone of 704-877-1339 and email address of jbielett001@gmail.com.

For and in consideration of the mutual covenants and agreements set forth herein and other good and valuable consideration, contractor and customer hereby covenant and agree as follows:
The term of this agreement shall begin on 7/1/18 and shall automatically renew for successive terms, subject to the termination by either party with 30 day written notice upon approval of Stanley Environmental Solutions.

Service Types ***(Type IV Low Pressure Panel):***
The scopes of work provided by contractor are as follows:

1. Wash the septic tank filter, 2 times a year
2. Wash the pump tank filter, 2 times a year
3. Check for any leaks, 2 times a year
4. Inspect pump, floats, control panel and alarm, 2 times a year
5. Inspect the drain field, 2 times a year
6. Flush system and verify head pressures, 1 time a year
7. The total cost per year is **$250.00.**

Schedule: It will be the responsibility of the contractor to schedule the services two times a year. The first inspection will be scheduled as soon as the signed contract is returned to the contractor from the customer and the annual invoice is paid or six months after the homeowner moves in. The second inspection will be scheduled six months after the 1st inspection is completed.

Fees for Services:
The contractor will submit invoice to the customer for the services **before** the 1st scheduled and completed inspection. Such invoicing shall state the necessary details regarding the services performed as specified in the applicable service agreement. For approved customers payment terms are Net 15 days with a 1.5% late charge for all invoices not paid beyond 15 days. **Customer billing address is**
15503 Walnut Hill Dr. Charlotte NC 28278.

Your contact for this agreement is Amanda Morrison, who can be reached at 704-263-8186. Please return this agreement via email: Amanda.morrison@stanleyenviro.com or mail: PO Box 184 Stanley, NC 28164.

Customer	**Stanley Environmental Solutions**
By: J Bielett	By: Amanda W. Morrison
Print Name: Jonathan Bielett	Print Name: Amanda Morrison
Title: Mr. Homeowner Yes	Title: Inspection Coordinator
Date: 6/18/18	Date: 6/20/18

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 # 96926 App # 8822 Tax Parcel # 217-222-12

Property Owner: Rebecca Gilbert

Job Location Address: 15503 Walnut Hall Drive

City: Charlotte State: NC Zip Code: 28278

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.

Authorized Agent — Date: 6/11/18

Others Present: Stanley Environmental / Scott Kennedy

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 #: 9692B Permit #: 8822 Tax Parcel #: 217-222-12

Property Owner: Rebecca Gilbert

Job Location Address: 15503 Walnut Hill Drive

City: Charlotte State: NC Zip Code: 28278

Operation Permit Issuance Date: 6/26/18 Contractor Name: STANLEY ENVIRONMENTAL

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

Liquid Capacity of Septic Tank: 1000 gallons Manufacture Dellinger Effluent Pump Model: Goulds 1/2

Drainfield Installation ☐ N/A

Trench Depth: 48 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 246 feet

# of Lines: 5 @ VARY feet 40, 45, 50, 55, 56

Depth of Media: 16 inches (Type) PPBPS

Depth of Cover: 18 inches

Distribution Device: LPP

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: 11' feet

Distance from Property Line: 5' feet

Distance from Water Supply Source: 100' feet

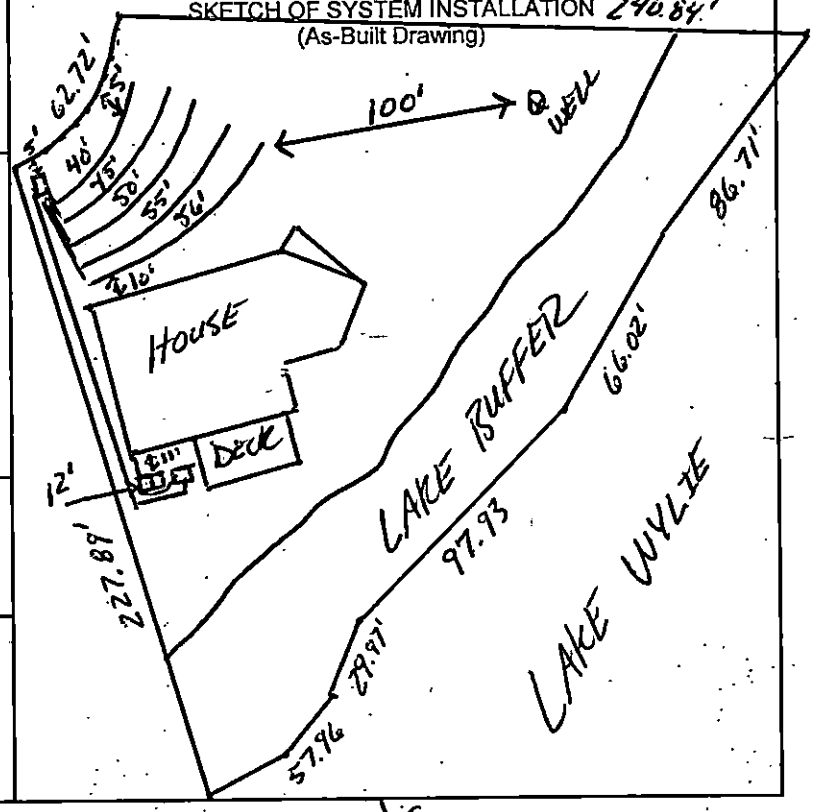
Inspection Dates

Tank(s) Inspected: 6/12/18

Excavation Inspected: 6/12/13/14/2018

Pump & Controls Inspected: 6/19/18

SKETCH OF SYSTEM INSTALLATION 240.84' (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: IIIa, Pressure, PPBPS, N/A, N/A

DENR Authorized Agent: Bradley W. Hallonier Signature: _____

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 #: 9692B Permit #: 8822 Tax Parcel #: 217-222-12

Property Owner: Rebecca Gilbert

Job Location Address: 15503 Walnut Hill Drive

City: Charlotte State: NC Zip Code: 28278

OPERATION PERMIT CONDITIONS:

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

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

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

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

System Classification: IVa

*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: Bradley W. Hallman Date: 6/26/18

Signature:

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	10/23/17	**Amount:**	200.00
Receipt #:	107824	**Tendered:**	200.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	ELLISLW		

Account Information

Account #: X43281
Contractor: KNOTTS BUILDERS
Attn:
Address: P O BOX 687
Address:
City/State/Zip: PINEVILLE, NC 28134

Item	Description	Permit#	Quantity	Unit Price	Total Price
0703	Septic Operational Permit 15503 WALNUT HILL DR		1	200.00	200.00

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

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
2,248.22					

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date: 10/23/17
Receipt #: 107825
Check / Auth #: CHARGE
Received By: ELLISLW

Amount: 200.00
Tendered: 200.00
Returned: 0.00

Account Information

Account #: X43281
Contractor: KNOTTS BUILDERS
Attn:
Address: P O BOX 687
Address:
City/State/Zip: PINEVILLE, NC 28134

Item	Description	Permit#	Quantity	Unit Price	Total Price
0734	Septic Construction Authorizat 15503 WALNUT HILL DR		1	200.00	200.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
2,448.22					

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	03/09/17	**Amount:**	250.00
Receipt #:	104813	**Tendered:**	250.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	ELLISLW		

Account Information

Account #: X43281
Contractor: KNOTTS BUILDERS
Attn:
Address: P O BOX 687
Address:
City/State/Zip: PINEVILLE, NC 28134

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen 15503 WALNUT HILL DR		1	250.00	250.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
2,122.49					

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 #: **30008822** GWS File #: **9692B** Tax Parcel #: **217-222-12**

- 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):** 10/23/2022

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

Structure Type: HOUSE Size (ft^2): 3500 # Bedrooms: 4 Max. Occup.: 8

Building Foundation: Crawl Space Water Supply: Private Well

II. Initial System Type: PPBPS (pressurized) **System Classification:** IVa

Initial System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.325	Septic Tank Size (gal):	1000	Pump Tank Size (gal):	1000
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	738	Total Trench Length (ft):	246
Maximum Trench Depth (in):	48	Depth of Media (in):	N/A	Distribution Device:	Manifold (LPP Distri		

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

Repair System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.125	Septic Tank Size (gal):	1000	Pump Tank Size (gal):	1000
Trench Width (ft):	1	Trench Spacing (ft):	2	Absorption Area (ft^2):	3840	Total Trench Length (ft):	3840
Maximum Trench Depth (in):	12	Depth of Media (in):	N/A	Distribution Device:	Headworks (Drip Irr.		

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: Brad Hallman

Signature: _____

Date Issued: 10/23/2017

Owner/Legal Agent: _____
Print Name

Signature: _____

MINIMUM FLOOD PROTECTION ELEVATION NEEDS TO BE VERIFIED AND APPROVED BY MECKLENBURG COUNTY PRIOR TO ANY CONSTRUCTION

PIER ZONE NEEDS TO BE VERIFIED AND APPROVED BY MECKLENBURG COUNTY PRIOR TO ANY CONSTRUCTION

THE PORTIONS OF THE PROPERTY SHOWN ON THIS SHEET LIE WITHIN THE FLOODPLAIN AS SHOWN ON THE FEMA MAP COMMUNITY PANEL# 3710349500J DATED: MARCH 2, 2009.

SHORELINE DESIGNATED AS RESIDENTIAL.

DUKE POWER PROJECT LIMITS FOR LAKE WYLIE ARE BASED ON THE ELEVATION CONTOUR OF 570.0. THE DUKE POWER PROJECT LIMIT SHOWN ON THIS MAP IS TAKEN FROM A RECORDED MAP OF THE BUSTER BOYD BRIDGE PROJECT A RECORDED IN MAP BOOK 25-276. DUKE POWER RESERVES THE RIGHT TO FLOOD TO THE 580 CONTOUR PER DEED: 3146-165.

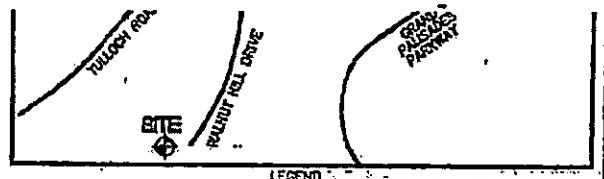
THIS PROPERTY, AT THE TIME OF SURVEY, LIES WITHIN THE ETJ FOR THE CITY OF CHARLOTTE.

BEARINGS BASED ON NC GRID (NAD 83) PER MB: 25-276 RECORDED DECEMBER 23, 1992.

EXISTING ACCESS ROADS/DRIVES MAY BE ABANDONED/RELOCATED.

EXISTING RECORDED RIGHTS OF WAY NOT UTILIZED AT THIS TIME FOR ACCESS ARE CONSIDERED UNOPENED AND NOT AVAILABLE FOR DEDICATION.

BASE FLOOD ELEVATION FOR LAKE WYLIE = 570.00'
FLOOD PROTECTION ELEVATION FOR LAKE WYLIE = 572.00'



PROJECT INFORMATION
ZONING – R-5 (PER MECKLENBURG COUNTY GIS)
MIN. FRONT SETBACK 20'
MIN. SIDEYARD 5'
MIN. CORNER SIDEYARD 10'
MIN. REARYARD 35'
MIN. LOT WIDTH 50'
MIN. LOT SIZE 6,000 SF
*REFER TO ZONING ORDINANCE FOR POSSIBLE ADJUSTMENTS TO THESE MINIMUM DIMENSIONS.

LEGEND
BOC – BACK OF CURB
CO – CLEAN OUT
COS – COMMON OPEN SPACE
CP – CABLE PEDESTAL
CONC. – CONCRETE
ELEV – ELEVATION
EOP – EDGE OF PAVEMENT
EX. – EXISTING
LP – LIGHT POLE
LSE – LANDSCAPE EASEMENT
MB: – MAP BOOK
PSE – PUBLIC STORM DRAINAGE EASEMENT
PUE – PUBLIC UTILITIES EASEMENT
R/W – RIGHT OF WAY
SF – SQUARE FEET
SLG – SEPTIC LINE GREEN
SLO – SEPTIC LINE ORANGE
SLP – SEPTIC LINE PINK
SLW – SEPTIC LINE WHITE
TP – TELEPHONE PEDESTAL
WM – WATER METER
G.E. – GROUND ELEVATION

"I state that this map was drawn under my supervision from an actual survey made under my supervision (map description recorded in Book 30042, page 854); that the boundaries not surveyed are indicated as drawn from information in MB: Book 17, page 505; that the ratio of precision or positional accuracy is IN EXCESS OF 1:10,000; and that this map meets the requirements of The Standards of Practice for Land Surveying in North Carolina (21 NCAC 56, 1600)." This 6 day of SEPTEMBER, 2017

PROFESSIONAL L-3954 LAND SURVEYOR JOSEPH E. WHALEY JR.

LOT 39

CRESCENT LAND & TIMBER CORP.
RECREATION LOTS
SECTION 48
MB:17-505

NOW OR FORMERLY
DARRIN H. SKINNER &
HEATHER J. SKINNER
DEED:30042-854
TAX #217-222-13

Pressure Line 5' off house and p/l.

LOT 36

WALNUT HILL DRIVE
EXISTING 60' PUBLIC R/W

CVB 3.1'
10' off p/l

CHORD: S47°49'53"E 82.70'
R=50.00'

227.89'
N78°19'21"E
5' SIDEYARD

P.T. Elevation 12.1

S27°28'39"E 29.89'
S42°12'39"E 29.07'
S63°48'39"E 29.97'

99'

10' H.C. Elevation 12.6'

1-1/2 STORY FRAME #16503

56'

100' Radius

Drive/ Parking

20' SETBACK MB:17-505

B.M. Elevation 12.1'

AB#1

4637 12 Drip Repair

AB#2

AB#3

LOT 38
39,679 SF
0.889 AC.

39'

NOW OR FORMERLY
PERRY 50' Radius IN GIBART
DEED:24424-288
TAX #217-222-12

Proposed Well

50' LAKE BUFFER

S39°42'39"E 97.93'

S56°03'39"E 86.07'

S46°10'39"E 88.71'

N08°27'21"E 240.84'

3' SIDEYARD

LOT 37

CRESCENT LAND & TIMBER CORP.
RECREATION LOTS
SECTION 42
MB:17-505

NOW OR FORMERLY
DVH ENTERPRISES LLC
DEED:17864-618
TAX #217-222-11

LAKE WYLIE

Pit #1 Pit #2 Pit #3 Pit #4 Pit #5 Pit #6 Pit #7

Pit #2: SLP 4.9' W5 42'
SLW 3.1' W1 30'
3.5' P2 40'
4.0' W3 47'
4.8' P6 35'
4.4' G4 50'

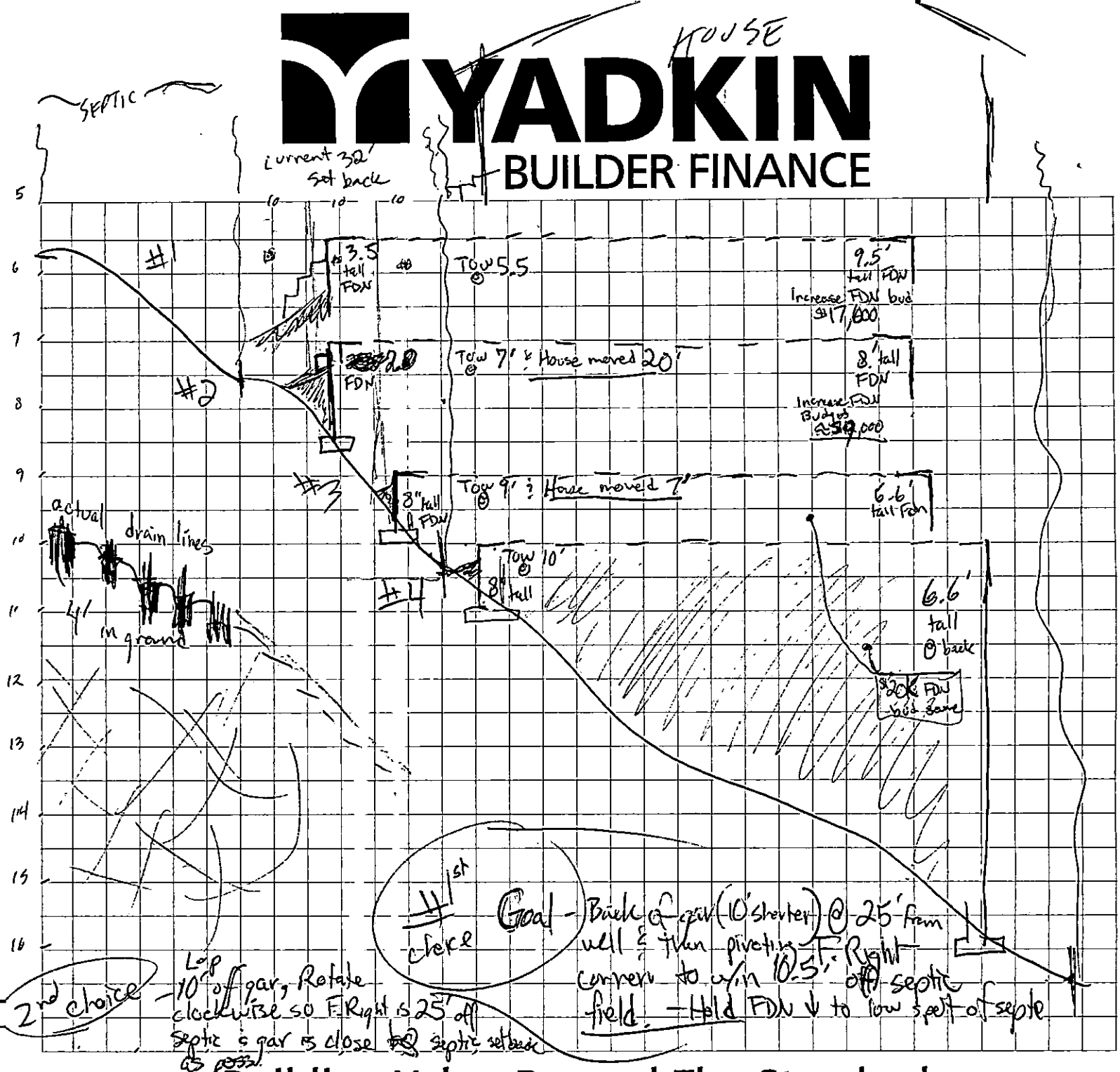
BEARINGS BASED ON NC GRID (NAD 83)

Scale 1"=50'

Designed by Michael Athanas and Associates

X _____
Signature

PLOT PLAN FOR
REBECCA MARTIN GILBART



Building Value Beyond The Standard

January 2016

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

February

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29					

March

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

April

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

May

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

June

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

July

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

August

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

September

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

October

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

November

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

December

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

www.yadkinbank.com
member FDIC

Member
NAHB.
National Association of Home Builders

FEE: 200.00
DATE: 10/23/2017

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

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 9692B

PERMIT NUMBER: 30008822

PARCEL NUMBER: 21722212

JOB LOCATION INFORMATION

ADDRESS: 15503 WALNUT HILL DR

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

ISSUED TO: REBECCA GILBERT

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 10/23/2017

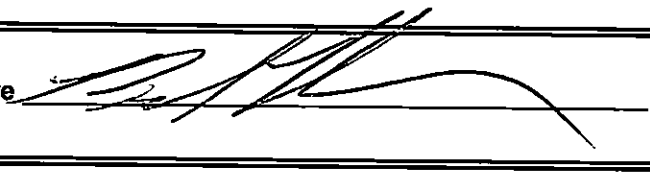
CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30008822, 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 

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

PROPERTY ID #: 21722212; 15503 Walnut Hill Drive
COUNTY: Mecklenburg

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Knotts Development Services, LLC
ADDRESS: PO Box 687 Pineville, NC 28278
PROPOSED FACILITY: 4 bedroom Residence PROPOSED DESIGN FLOW (.1949): 480 gpd
LOCATION OF SITE: 15503 Walnut Hill Drive; Charlotte, NC 28278
APPLICATION DATE
DATE EVALUATED: 9/2017
PROPERTY SIZE: 0.88 Acres
PROPERTY RECORDED: 3/1/1976
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring x Pit ☐ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
P 1	LS 2%	0-4	FILL			16"	PS		PS .4-.6 Initial Area
		4-20	RC SBK	F-FR SS/SP SEXP					
		20-70	VER. SL SAP MASS	VFR SS/SP SEXP					
P 2	LS 4%	0-18	FILL			10"	PS		PS .4-.7 Initial Area
		18-40	BR SCL WSBK	VFR SS/SP SEXP					
		40-80	VER SL/LS SAP MASS						
P 3	LS 5%	0-12	BR SL GR	VFR SS/SP SEXP		28"?			Not in use
		12-28	R C WSBK	F S/P SEXP					
		28-50	SOIL SAP MIX						
P 4	LS 5%	0-20	BR SL		F-C YB's				.25 Repair
		20-67	RC/SC WSBK						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	780 ft2	4800 ft2
System Type(s)	PPBPS	TS I
Site LTAR	.35	.125

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):
EVALUATED BY: MA&A
OTHER(S) PRESENT: MECK CO.

COMMENTS: Remove 12-18 of fill

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: 21722212; 15503 Walnut Hill Drive
DATE OF EVALUATION: 9/2017
COUNTY: Mecklenburg

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
P 5	LS 10%	0-10	BR SL GR	VFR SS/SP SEXP	F-C YB's	40"	PS		PS .25
		10-40	R C SBK	FR SS/SP SEXP					
		40-68	VER L SAP MASS	VFR SS/SP SEXP					
P 6	LS 5%	0-12	BR LS GR			27"			DRIP .1+
		12-23	BR SL WSBK						
		23-27	YB SCL						
P 7	LS 4-5%	0-22	BR SL GR		F-C YB'S				DRIP .1+
		22-60	R C WSBK						
P 8		0-6	BR LS GR						DRIP .1
		6-12	BR SL GR						
		12-18	RY SCL WSBK						

COMMENTS: _____

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			SEXP (Slightly Expansive)	M (Massive)
D (Drainage Way)					EXP (Expansive)	CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiCL (Silty Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SCL (Sandy Clay Loam)			**MOIST**	**WET**
S (Shoulder Slope)		SiL (Silt Loam)				
T (Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SiC (Silty Clay)			FI (Firm)	S (Sticky)
		C (Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None	None	EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

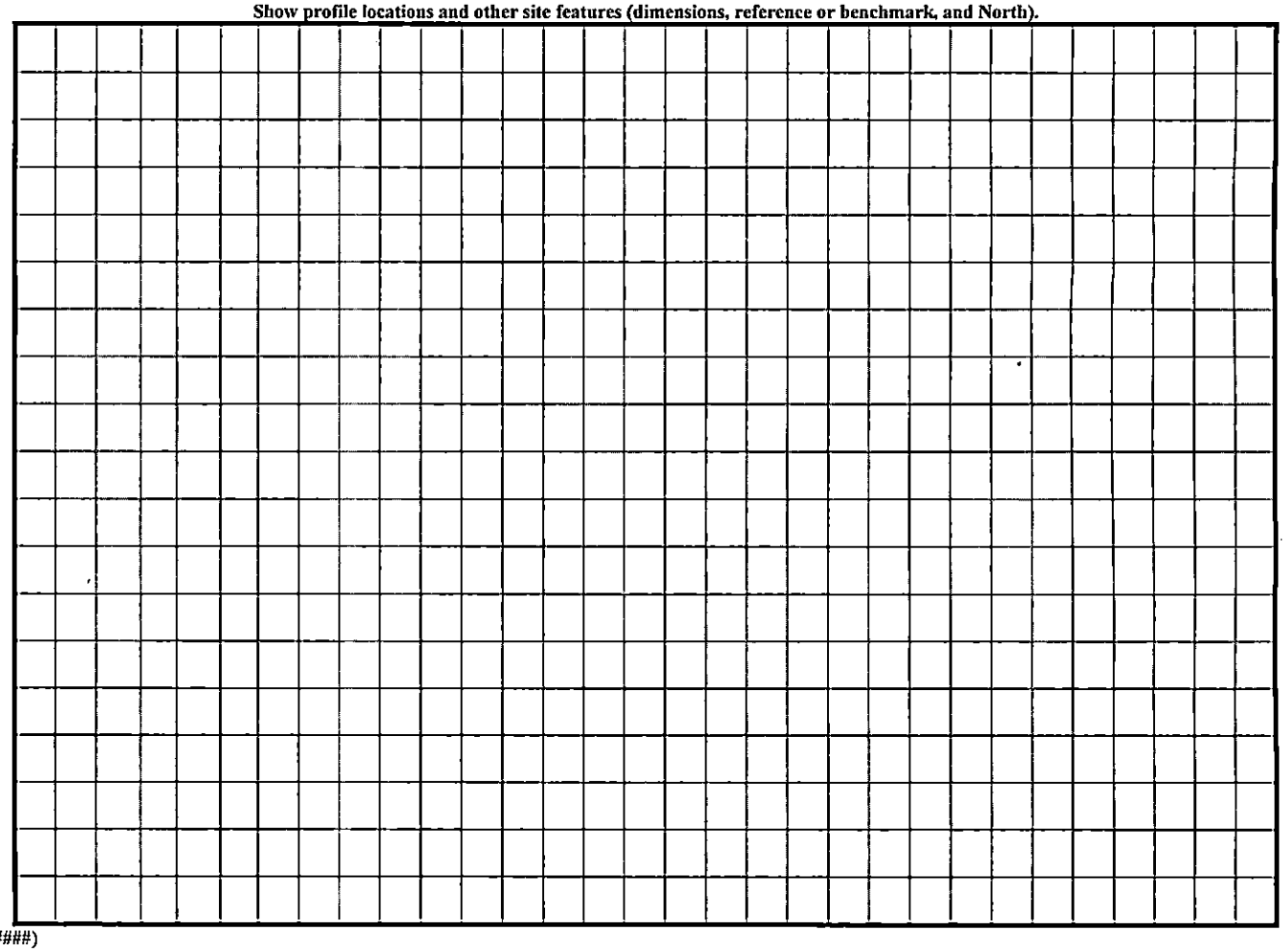
NOTES

HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

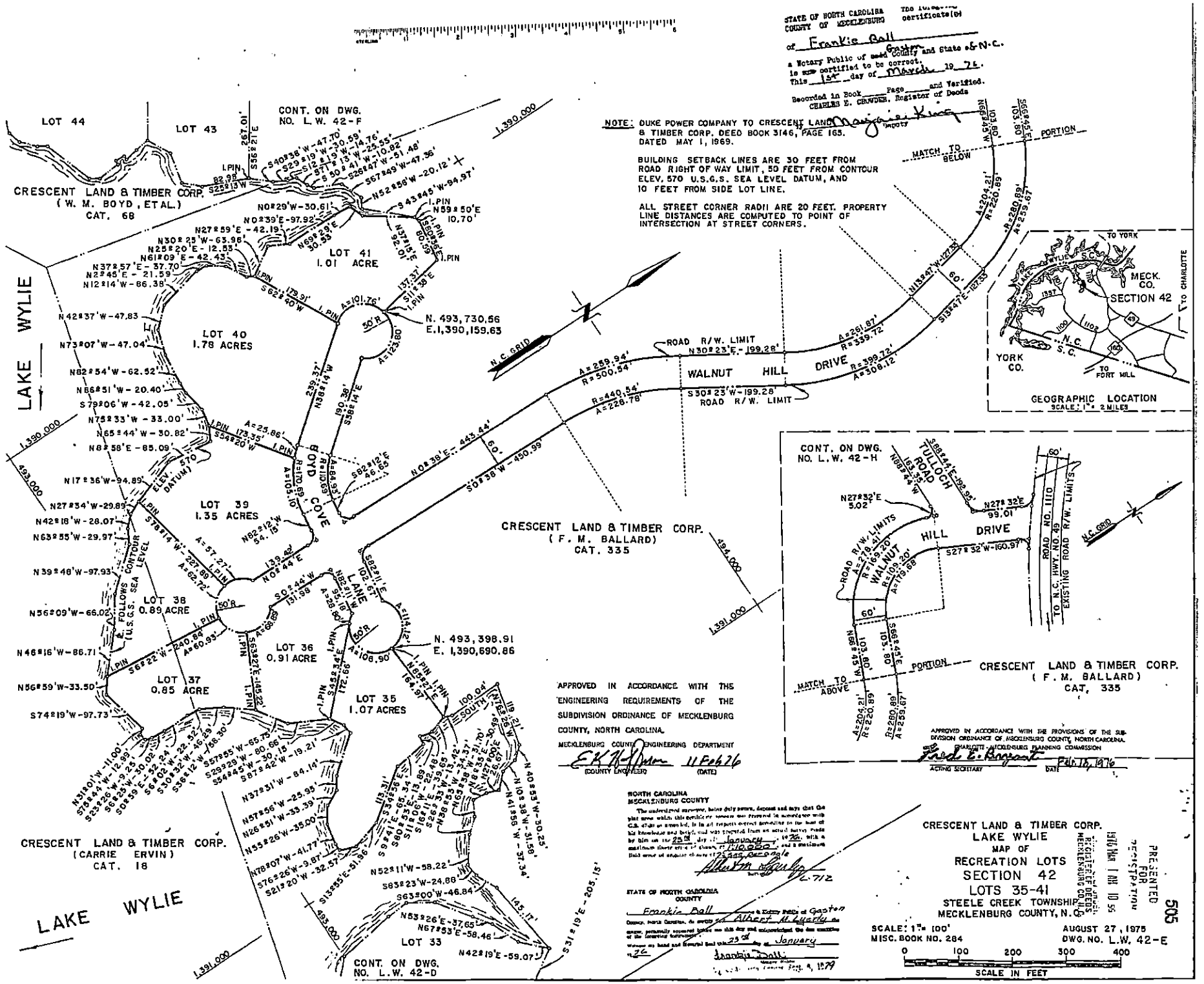
Long-term Acceptance Rate (LTAR): gal/day/ft^2

Show profile locations and other site features (dimensions, reference or benchmark, and North).



DENR (######)

Review (#####)


LAKE WYLIE
LOT 44
LOT 43
CONT. ON DWG. NO. L.W. 42-F
CRESCENT LAND & TIMBER CORP. (W. M. BOYD, ET AL.) CAT. 68
LOT 41 1.01 ACRE
LOT 40 1.78 ACRES
LOT 39 1.35 ACRES
LOT 38 0.89 ACRE
LOT 37 0.85 ACRE
LOT 36 0.91 ACRE
LOT 35 1.07 ACRES
LOT 33
BOYD COVE
LANE COVE
N. 493,730.56 E. 1,390,159.63
N. 493,398.91 E. 1,390,690.86
CRESCENT LAND & TIMBER CORP. (F. M. BALLARD) CAT. 335
CRESCENT LAND & TIMBER CORP. (CARRIE ERVIN) CAT. 18
CONT. ON DWG. NO. L.W. 42-D
NOTE: DUKE POWER COMPANY TO CRESCENT LAND & TIMBER CORP. DEED BOOK 3146, PAGE 165. DATED MAY 1, 1969.
BUILDING SETBACK LINES ARE 30 FEET FROM ROAD RIGHT OF WAY LIMIT, 50 FEET FROM CONTOUR ELEV. 570 U.S.G.S. SEA LEVEL DATUM, AND 10 FEET FROM SIDE LOT LINE.
ALL STREET CORNER RADII ARE 20 FEET. PROPERTY LINE DISTANCES ARE COMPUTED TO POINT OF INTERSECTION AT STREET CORNERS.
ROAD R/W. LIMIT
WALNUT HILL DRIVE
S30°23'W-199.28'
ROAD R/W. LIMIT
N30°23'E-199.28'
MATCH TO BELOW
MATCH TO ABOVE
PORTION
TULLOCH ROAD
ROAD NO. 1110
TO N.C. HWY. NO. 49
EXISTING ROAD R/W. LIMITS
N.C. GRID
1,390,000
493,000
494,000
1,391,000
570 ELEV. DATUM
FOLLOWS CONTOUR (U.S.G.S. SEA LEVEL)
APPROVED IN ACCORDANCE WITH THE ENGINEERING REQUIREMENTS OF THE SUBDIVISION ORDINANCE OF MECKLENBURG COUNTY, NORTH CAROLINA.
MECKLENBURG COUNTY ENGINEERING DEPARTMENT
E.K. Johnson 11 Feb 76
(COUNTY ENGINEER) (DATE)
APPROVED IN ACCORDANCE WITH THE PROVISIONS OF THE SUBDIVISION ORDINANCE OF MECKLENBURG COUNTY, NORTH CAROLINA.
CHARLOTTE-MECKLENBURG PLANNING COMMISSION
Fred E. Bonfoey Feb. 16, 1976
ACTING SECRETARY DATE
NORTH CAROLINA MECKLENBURG COUNTY
The undersigned surveyor, being duly sworn, deposes and says that the plat upon which this certificate appears was prepared in accordance with G.S. 47-30 as amended. It is in all respects correct according to the best of his knowledge and belief, and was prepared from an actual survey made by him on the 25th day of January, 1976, with a maximum linear error of closure of 1/10,000+, and a maximum field error of angular closure of 12" per angle.
Albert M. Lyerly L-712
STATE OF NORTH CAROLINA COUNTY
Frankie Ball a Notary Public of Gaston County, North Carolina, do certify that Albert M. Lyerly the surveyor, personally appeared before me this day and acknowledged the due execution of the foregoing instrument.
Witness my hand and Notarial Seal this 25th day of January, 1976.
Frankie Ball
Notary Public
My Commission Expires Sept. 9, 1979
STATE OF NORTH CAROLINA COUNTY OF MECKLENBURG
The foregoing certificate(s) of Frankie Ball a Notary Public of said County and State of N.C. is (are) certified to be correct. This 1st day of March, 1976.
Recorded in Book ____ Page ____ and Verified.
CHARLES E. CRAWFORD, Register of Deeds
Deputy
TO YORK
TO CHARLOTTE
MECK. CO.
SECTION 42
YORK CO.
N.C. S.C.
S.C.
TO FORT MILL
GEOGRAPHIC LOCATION
SCALE: 1" = 2 MILES
CRESCENT LAND & TIMBER CORP.
LAKE WYLIE
MAP OF
RECREATION LOTS
SECTION 42
LOTS 35-41
STEELE CREEK TOWNSHIP
MECKLENBURG COUNTY, N.C.
SCALE: 1" = 100'
AUGUST 27, 1975
MISC. BOOK NO. 284
DWG. NO. L.W. 42-E
0 100 200 300 400
SCALE IN FEET
1976 Mar 1 AM 10 55
REGISTER OF DEEDS MECKLENBURG CO. N.C.
PRESENTED FOR REGISTRATION
505

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 #: **30008822** GWS File #: **9692B**

IV. Permit Conditions/Comments:

- This type of septic system requires an inspection once every 3 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 septic system requires a Certified Operator to maintain the system. A system maintenance contract with a Certified Operator must be on file prior to issuance of an Operation Permit.
- This type of repair system requires the installation of a pump tank and all associated components. This type of system will require routine inspections by our office. The system owner is responsible for all fees associated with these inspections.
- This type of repair system requires the property owner to obtain a contract with a Certified Operator to perform routine inspections and maintenance on the system.
- This type of repair system requires periodic inspections by our office. The system owner is responsible for any fees, as determined by the Mecklenburg County Board of Commissioners, associated with this inspection.
- Proper well abandonment is required prior to receiving an Installation Approval from our office to install the septic system.
- All components of the septic system must be located at least 100 ft. from all private wells (saprolite system).
- Upon completion of the project the system designer shall provide Groundwater & Wastewater Services with a letter certifying that the system was installed in accordance with the approved design.
- 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 septic system shall be located at least 25 feet from any foundation drain.

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: Brad Hallman

Signature: _____

Date Issued: 10/23/2017

Owner/Legal Agent: _____
Print Name

Signature: _____