SUPERVISOR/ADMINISTRATIVE PROFESSIONAL CHECKLIST

NEW SEPTIC ☑ NEW WELL ☐ USE EXISTING ☐ MODIFIED PLOT PLAN ☐

New Septic Fees Paid

IP ($250.00) 4/19/22 Initial/Date

CA ($200.00) 6/7/22 MR Initial/Date

OP ($200.00) 6/7/22 MR Initial/Date

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

New Well Fees Paid: $550.00 _____ Initial/Date

Use Existing Fees Paid: $100.00 _____ Initial/Date

Alteration Fees Paid: $300 Total $200 _____ Initial/Date (If use existing was part of payment)

Modified Plot Plan Fees Paid: $100.00 _____ Initial/Date

Generate CA / Approve As Noted

Floor plans need to be submitted and reviewed before CA can be issued ☒ Review ☐ 6/8/22

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

Septic file complete ☐ _____ Well complete ☐ _____

Send permit for signature ☑ Signature received ☑ _____

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

Certified operator contract is on file ☐ _____

FEE: 200.00

DATE: 6/10/2022

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

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 11375B

PERMIT NUMBER: 30013073

PARCEL NUMBER: 13934418

JOB LOCATION INFORMATION

ADDRESS: 11301 NORTH HAMPTON DR

CITY: CHARLOTTE **STATE: NC** **ZIP:** 28227

ISSUED TO: CAROLINAS PROPERTIES III

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 6/8/2022

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30013073, 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 Brad Shelton

AGENT AUTHORIZATION FORM

PROPERTY LEGAL DESCRIPTION:

LOT NO. 167 PHASE B PARCEL ID: 13934418

STREET ADDRESS: 11301 N. Hampton Drive
Charlotte, NC 28227

Please print:

Property Owner: Carolinas Properties III

Property Owner: _____

The undersigned, registered property owners of the above noted property, do hereby authorize

Larry Thompson, LSS, of Thompson Environmental Consulting, Inc.
(Contractor / Agent) (Name of consulting firm)

to act on my behalf and take all actions necessary for the processing, issuance and acceptance of this permit or certification and any and all standard and special conditions attached.

Property Owner's Address (if different than property above):
1612 Seattle Slew Court, Waxhaw, NC 28173

Telephone: 704-713-2602

We hereby certify the above information submitted in this application is true and accurate to the best of our knowledge.

The NC LSS evaluation attached to this application is to be used to produce design and construction features for permitting in accordance with Session Law 2018-114 Section 11. (c).

Owner Signature:
ramon gonzalez (Apr 18, 2022 13:39 EDT)

Date: Apr 18, 2022

Owner Signature: _____

Date: _____

Residential Subsurface Wastewater Treatment and Disposal System Proposal

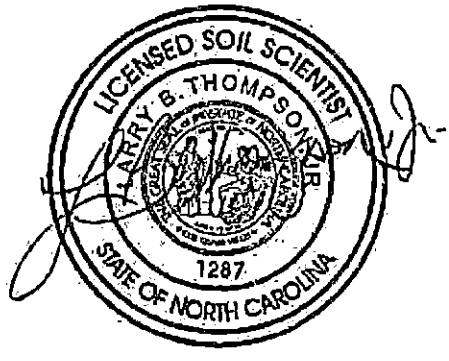
for

Arlington Forest – Block B, Lot 167
11301 North Hampton Drive
Charlotte, NC 28227

Tax Parcel # 13934418
April 15, 2022

Prepared for:

Carolinas Properties III
1612 Seattle Slew Court
Waxhaw, NC 28173
704-713-2602



Prepared by:

Larry Thompson, REHS, LSS
Thompson Environmental Consulting, Inc.
PO Box 541
Midland, NC 28107-0541
Phone: 704-301-4881
info@thompsonenv.com



Details

Carolinas Properties III has contracted with Thompson Environmental Consulting, Inc. (TEC) to develop a proposal for an on-site wastewater treatment and disposal system that would allow for the construction of a 3-bedroom single family residence, served by a private well, to be located at 11301 North Hampton Drive, Charlotte, North Carolina.

Based upon an investigation performed by TEC, it was determined that a sufficient amount of "Provisionally Suitable" Group IV soils is available within the project study area for the installation of a Pump-To Accepted System for 3-bedroom residence. This property appears in a subdivision plat that was recorded with the Mecklenburg County Register of Deeds office on August 10, 1962 and is considered to be "repair exempt" per 15A NCAC 18A .1945 AVAILABLE SPACE.

Carolinas Properties III would like to request that the Mecklenburg County Groundwater and Wastewater Services (MCGWS) to issue an Improvement Permit and Construction Authorization for a 3-bedroom residence based upon the following proposal and the enclosed Licensed Soil Scientist Evaluation, which is being submitted pursuant to and meets the requirements of SL 2018-114 Section 11. (c).

Location

From Charlotte, take Albemarle Road to Arlington Church Road. Turn right onto Arlington Church Road, left on Beckenham Drive, and left on North Hampton Drive. Lot is located on left.

References

Laws and Rules for Sewage Treatment and Disposal Systems, 15A NCAC 18A, Section .1900, Department of Environment and Natural Resources, Division of Environmental Health, On-Site Wastewater Section, April 1, 2017.

Accepted Wastewater System No. AWWS-2005-02-R6; North Carolina Department of Environment and Natural Resources, Division of Environmental Health, On-Site Wastewater Section, August 21, 2015.

Primary Investigator's Credentials

NC Registered Sanitarian No. 1208
NC Licensed Soil Scientist No. 1287
SC Certified Professional Soil Classifier No. 111
NC Subsurface Septic System Operator No. 22199
NC Grade IV Wastewater System Installer No. 1762
NC Certified Wastewater System Inspector No. 17621

Plans and Specifications

A. Septic Tank

1. The septic tank shall be State approved (Section .1953 of 15A NCAC 18A), watertight, structurally sound, and 1,000 gallons (minimum) in capacity.
2. The septic tank will be fitted with an approved effluent filter.
3. It is the responsibility of the septic contractor to thoroughly inspect the septic tank prior to accepting delivery to assure that the tank has had time to properly cure and is free of cracks or other structural deficiencies.

B. Pump Tank

1. The pump tank shall be State approved, of one-piece construction, watertight, structurally sound and 1,000 gallons in capacity. Again, it is the responsibility of the septic tank contractor to thoroughly inspect each pump tank prior to accepting delivery.
2. All pipe penetrations into the tank shall be booted (i.e., C-293 boot with a stainless-steel strap).
3. The pump tank shall have access risers that extend, at a minimum, 6 inches above finished grade and must have less than 36 inches of fill over its top once finished grade has been established (a reinforced concrete tank will be required if finished soil cover is 36 inches or greater in depth).
4. The pump and alarm controls shall be provided with manual circuit disconnects within a watertight, corrosion resistant, Nema 4x rated control panel. Pump and float control wiring should be long enough to reach from the tank to the control panel without splicing, routed through wire conduit, and sealed at the openings within the pump tank as well as the control panel enclosure. It is paramount that the conduit is properly sealed to prevent the escape of flammable gases from the pump tank. Furthermore, there must be two electrical circuits for the pump tank controls: one for the pump and one for the alarm controls.
5. Panel and control equipment shall include lightning protection, be protected from unauthorized access, and always remain accessible to the system operator.
6. The pump removal system will be via a pump tether made of nylon rope or its equivalent. The tether material should be resistant to mildew and rot.

C. Pipe, Fittings and Supply Line

1. All discharge piping, connectors and supply lines should be made of SCH 40 PVC and fitted with pressure rated couplings.
2. All joints must be properly "welded" utilizing the appropriate PVC cement for each application.
3. Supply line will be constructed of 2-inch SCH 40 PVC pipe with pressure fittings.

D. Pressure Manifold

1. A pressure manifold shall be used to distribute wastewater to four drainlines (3 at 80 feet and 1 at 100 feet).
2. The pressure manifold shall be contained within an adequately sized box/vault that will allow future repair lines to be installed and is designed to allow for drainage of effluent that may accumulate in it during flushing and head pressure adjustments. The box should be placed upon a gravel base.
3. A gate valve shall be provided at the pressure manifold box to allow for final pressure adjustment (2 foot of head pressure as per design).
4. The pressure manifold shall be constructed of SCH 80 PVC.
5. There shall be 4 taps. 80 foot long lines will be fed with ½ inch SCH 80 PVC taps and 100 foot long line will be fed with a ½ inch SCH 40 PVC tap.
6. The connecting pipe between the pressure manifold taps and the drainfield shall be constructed of PVC.

E. Drainfield Installation

1. The drainfield has been previously laid out on-site utilizing metal stemmed flags. The property owner/builder should mark this area and isolate it as much as possible from construction traffic
2. Under no circumstances shall any construction take place within the drainfield area while the soil is in a wet condition.
3. The specified system is an accepted wastewater system, specifically the Infiltrator Quick 4 chamber system or any other system with a state-approved 25% reduction in required drainline length.
4. The drainfield consists of five lateral trenches, (3) 3-foot wide by 80-feet long, (1) 3-foot wide by 40 feet long and (1) 3-foot wide by 60 feet long. The 40 foot and 60 foot long line will be fed as a single line through serial distribution.
5. The trench depth for this system shall be **26 inches.**
6. The laterals are to be installed on contour with the land, keeping the individual trench bottoms level from beginning to end.
7. The trenches should be left open for the final inspection by the health department.

F. Final Landscaping

1. The final soil cover over the drainfield shall be a minimum of 6 inches deep.
2. The drainfield shall be shaped to shed rainwater and be free from low spots.
3. The drainfield area should be planted with grass as soon as possible to prevent erosion. The soil should be properly tilled, limed (if necessary) and fertilized prior to planting. After applying grass seed, the area should be heavily mulched with straw or other suitable material.

G. Utility Conflicts

1. The builder and property owner must take special care in planning for water, power, gas, telephone, and cable lines. These utilities shall be kept clear of all parts of the

septic system and its proposed repair area. Improper planning for underground utilities can negatively impact the installation and, in some cases, cause irreparable damage and permit revocation.
2. Lawn irrigation should not be placed over the drainfield area.
3. If there are any questions regarding preferred routes, contact the health department as soon as possible.

Maintenance

H. In General

1. The homeowner must maintain the drainfield area through periodic mowing. The drainfield must not be allowed to become overgrown.
2. The septic tank should be pumped every 4 years or when the solids within the septic tank reach an elevation that is equivalent to 25 percent of the volume of the tank. In some situations, the tanks may need to be pumped more frequently. If using a garbage disposal, it is recommended that the homeowner has the septic and pump tanks cleaned out annually.
3. When it becomes necessary to clean the effluent filter, the filter should be removed, and the accumulated debris washed back into the septic tank – not onto the lawn.
4. Any damp areas, leakages, or malfunctions in the drainfield area should be addressed immediately.
5. Divert gutter downspouts and surface water runoff away from the septic and pump tanks.

Design Specifics

Daily Design Flow:	360 GPD – 3 Bedroom Home
Septic Tank Requirements:	1,000 Gallon Septic Tanks
Pump Tank Requirements:	1,000 Gallon Pump Tank
Design Effluent Loading Rate:	0.25 GPD per sq. ft.
Drainfield Type:	Infiltrator Quick4 Plus Standard
Distribution Method:	Pressure Manifold (Sch. 80)
Number of Taps and Size:	4 Taps (Varying Sizes) 80-ft Lines Fed by ½" Sch. 80 100-ft Line Fed by ½" Sch. 40
Number of Drainlines:	5
Drain Lines:	(3) 3' Wide x 80'Long (1) 3' Wide x 60' Long (1) 3' Wide x 40' Long

Total Trench Length:	340 Linear Feet
Trench Depth:	26 Inches
Final Cover Requirement:	6 Inches (minimum)
Pump Requirements:	23.55 GPM at 14 Feet TDH
Recommended Pump:	Liberty FL30 (or equivalent)

DocuSign Envelope ID: 1DBA3DF0-B67E-4701-9721-0F62AC8B6E0F

Mecklenburg County Groundwater & Wastewater Services
3205 Freedom Dr., Suite 8000 Charlotte, NC 28208
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 #: 30013073 GWS File #: 11375B

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.
- 100% repair area is not required for this property. However, the maximum feasible area shall be allocated for a repair area.
- All components of the septic system must be located at least 100 ft. (50 ft. minimum) from all private wells.
- 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.
- The permitted system design requires a pressure manifold with varying tap diameters and/or pipe schedules. The contractor should review the specification detail provided by the system designer prior to bidding the project.
- Flow from all gutters and downspouts shall be directed not to discharge water onto or across any part of the septic system.
- This permit is issued pursuant to Section 11.(c) of SL 2018-114 using the signed and sealed LSS Evaluation attached here.

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: Braedon Shelton

Signature: Braedon Shelton

Date Issued: 5/12/2022

Owner/Legal Agent: Romil Chudgar

Signature: DocuSigned by: 4EED4D1B1115427...

Mecklenburg County Groundwater & Wastewater Services
3205 Freedom Dr., Suite 8000 Charlotte, NC 28208
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 #: **30013073** GWS File #: **11375B** Tax Parcel #: **139-344-18**

- 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. 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):** 5/12/2027

Type of Installation: Residential - New System Lot Number: 146

Structure Type: HOUSE Size (ft^2): 2000 # Bedrooms: 3 Max. Occup.: 6

Building Foundation: Concrete Slab Water Supply: Private Well

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

Initial System Specifications:

Design Flow (gpd):	360	LTAR (gpd/ft^2):	.275	Septic Tank Size (gal):	1000	Pump Tank Size (gal):	1000
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	982	Total Trench Length (ft):	327
Maximum Trench Depth (in):	26	Depth of Media (in):	12	Distribution Device:	Pressure Manifold		

III. Repair System Type: N/A **System Classification:**

Repair System Specifications:

Design Flow (gpd):	0	LTAR (gpd/ft^2):	0	Septic Tank Size (gal):	0	Pump Tank Size (gal):	0
Trench Width (ft):	0	Trench Spacing (ft):	0	Absorption Area (ft^2):	0	Total Trench Length (ft):	0
Maximum Trench Depth (in):	0	Depth of Media (in):	0	Distribution Device:	N/A		

IV. Permit Conditions/Comments: • Session Law Section 11.(c) of SL 2018-114 using the signed LSS evalvation attached

(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: Braedon Shelton Owner/Legal Agent: _____
Print Name

Signature: Braedon Shelton Signature: _____

Date Issued: 5/12/2022

Mecklenburg County Groundwater & Wastewater Services
3205 Freedom Dr., Suite 8000 Charlotte, NC 28208
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 #: **30013073** GWS File #: **11375B**

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.
- 100% repair area is not required for this property. However, the maximum feasible area shall be allocated for a repair area.
- All components of the septic system must be located at least 100 ft. (50 ft. minimum) from all private wells.
- 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.
- The permitted system design requires a pressure manifold with varying tap diameters and/or pipe schedules. The contractor should review the specification detail provided by the system designer prior to bidding the project.
- Flow from all gutters and downspouts shall be directed not to discharge water onto or across any part of the septic system.
- This permit is issued pursuant to Section 11.(c) of SL 2018-114 using the signed and sealed LSS Evaluation attached here.

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: Braedon Shelton

Signature: Braedon Shelton

Date Issued: 5/12/2022

Owner/Legal Agent: _____
Print Name

Signature: _____

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	06/07/22	**Amount:**	200.00
Receipt #:	136262	**Tendered:**	200.00
Check / Auth #:	MC 08947J	**Returned:**	0.00
Received By:	RAMSEMA		

Account Information

Account #: 200000
Contractor: CHUDGAR ROMELLE
Attn:
Address:
Address:
City/State/Zip: ,

Item	Description	Permit#	Quantity	Unit Price	Total Price
0734	Septic Construction Authorizat 11301 NORTH HAMPTON DR		1	200.00	200.00

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

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

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	06/07/22	**Amount:**	200.00
Receipt #:	136263	**Tendered:**	200.00
Check / Auth #:	MC 08947J	**Returned:**	0.00
Received By:	RAMSEMA		

Account Information

Account #: 200000
Contractor: CHEUGAR ROMELLE
Attn:
Address:
Address:
City/State/Zip: ,

Item	Description	Permit#	Quantity	Unit Price	Total Price
0703	Septic Operational Permit 11301 NORTH HAMPTON DR		1	200.00	200.00

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

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

11375B
13073

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: 13934418
STREET ADDRESS: 11301 N. Hampton Drive
CITY: Charlotte
STATE: NC **ZIP:** 28227
SUBDIVISION NAME: Arlington Forest
LOT #: 146 - Block B **LOT SIZE (acres):** 0.64

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

4. **BUILDING INFORMATION:**

BUILDING TYPE:
○ SINGLE MOBILE HOME ○ MODULAR HOME
○ DOUBLE WIDE ○ MULTIPLE FAMILY
◉ HOUSE ○ OTHER _____
HEATED SQUARE FOOTAGE: 2,000
NUMBER OF BEDROOMS: 3
NUMBER OF OCCUPANTS: 6

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?** 8/10/62 ☐ UNKNOWN

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

12. **PROPERTY OWNER:**
NAME: Carolinas Properties III
ADDRESS: 1612 Seattle Slew Court, Waxhaw, NC 28173
CITY: Waxhaw
STATE: NC ZIP: 28173
WORK PHONE: (704) 713-2602
MOBILE PHONE: _____
FAX: _____
E-MAIL: romelle03@yahoo.com

13. **OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:**
NAME: Larry Thompson
ADDRESS: PO Box 541
CITY: Midland
STATE: NC ZIP: 28107
WORK PHONE: (704) 301-4881
MOBILE PHONE: _____
FAX: _____
E-MAIL: larry@thompsonenv.com

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 980-314-1680, FAX: 704-336-6894
Email: Wellreg@MecklenburgCountyNC.gov

Revised on: 4/20/17

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.

LT (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.

N/A (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

4/18/22
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: 980-314-1680, FAX: 704-336-6894
Email: Wellreg@MecklenburgCountyNC.gov

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: 11301 N. Hampton Drive, Charlotte, NC 282 Tax Parcel #: 13934418

Subdivision Name: Arlington Forest Lot #: 146 - Bloc

SEE ATTACHED SEPTIC PROPOSAL

Property Owner's or Owner's Legal Representative Signature

4/18/22
Date

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 980-314-1680, FAX: 704-336-6894
Email: Wellreg@MecklenburgCountyNC.gov

Revised on: 4/20/17

PRELIMINARY SOIL AND SITE EVALUATION

Lot 167 – Block B, Arlington Forest
11301 N. Hampton Drive
Charlotte, NC 28227

Prepared For:

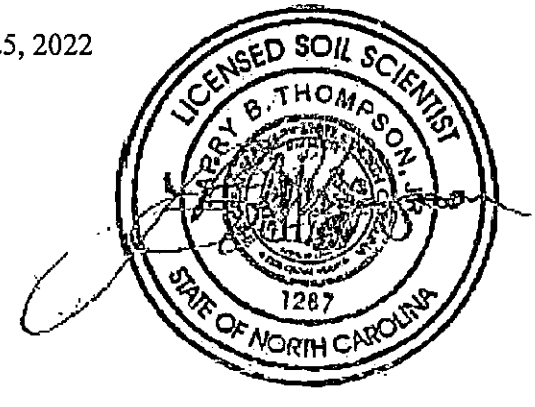
Four Corners of Charlotte LLC
1612 Seattle Slew Court
Waxhaw NC 28173

Prepared By:

Thompson Environmental Consulting
WATER • WASTEWATER • WETLANDS

Thompson Environmental Consulting, Inc.
PO Box 541
Midland, NC 28107

February 25, 2022



INTRODUCTION & SITE DESCRIPTION

This Soil and Site Evaluation was performed on a 0.635-acre lot (Lot 167 – Block B, Arlington Forest), located at 11301 N. Hampton Drive, Charlotte, North Carolina (Mecklenburg County Tax Parcel ID: 13934418).

Thompson Environmental Consulting, Inc. (TEC) was retained to determine whether the soils were suitable for onsite subsurface wastewater treatment and disposal. The property was evaluated in accordance with North Carolina statutes for waste disposal ("Laws and Rules for Sewage Treatment and Disposal Systems", amended April 1, 2017).

INVESTIGATION METHODOLOGY & SITE PHYSICAL CHARACTERISTICS

Individual soil borings were evaluated, and soil color was determined with a Munsell Soil Color Chart. Observations of the landscape (slope, drainage patterns, etc.) as well as soil properties (depth, texture, structure, seasonal wetness, restrictive horizons, etc.) were recorded.

The property is currently undeveloped and is vegetated with a mixed deciduous forest.

FINDINGS

A field survey was conducted on February 22, 2022, by Mac Haupt, LSS and on February 27, 2022 by Larry Thompson, LSS. Six soil borings were advanced within the project study area and locations noted in the attached Figure 1.

All borings were rated as Provisionally Suitable for the installation of a subsurface wastewater treatment and disposal system utilizing Accepted System and Prefabricated Permeable Block Panel System drainfield products and are denoted in the attached Figure as green points. Surfaces typically exhibited friable loam textures with weak, medium, granular structure 3 inches in depth. Upper subsurface horizons exhibited firm clay to clay loam textures with moderate, medium, subangular blocky structure greater than 40 inches n depth before encountering >50% parent material. A long-term acceptance rates (LTAR) of 0.3 gal./day/sq. ft. would be recommended for these soils.

DISCUSSION

The lot appears in a plat recorded with the Mecklenburg County Register of Deeds Office on August 10, 1962, and would be considered "repair exempt per 15A NCAC 18A .1945 AVAILABLE SPACE, which states in part:

(c) The repair area requirement of Paragraph (b) of this Rule shall not apply to a lot or tract of land:

(1) which is specifically described in a document on file with the local health department on July 1, 1982, or which is specifically described in a recorded deed or a recorded plat on January 1, 1983;

The soils observed within the project study area will support the installation of a subsurface wastewater treatment and disposal system utilizing Accepted System or Prefabricated Permeable Block Panel System drainfield products. It is estimated that 6,600 square feet of suitable soil area would need to be allocated and left completely available for the installation and required repair area for an Accepted System serving a 4-bedroom single family residence.

The required drainfield area can be reduced by 25% if using the Prefabricated Permeable Block Panel System.

CONCLUSION

The findings presented herein represent TEC's professional opinion based on our Soil and Site Evaluation and knowledge of the current laws and rules governing on-site wastewater systems in North Carolina. Soils naturally change across a landscape and contain many inclusions. As such, attempts to quantify them are not always precise and exact. Due to this inherent variability of soils and the subjectivity when determining limiting factors, there is no guarantee that a regulating authority will agree with the findings of this report.

Thompson Environmental Consulting, Inc.
PO Box 541
Midland, NC 28107

Sheet 1 of 1
PROPERTY ID #: 13834116
COUNTY: Mecklenburg

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Carolinas Properties III
ADDRESS: 1612 Seattle Slew Court, Waxhaw, NC 28173
PROPOSED FACILITY: Res. PROPOSED DESIGN FLOW (.1949): 360 gpd
LOCATION OF SITE: 11301 N. Hampton Dr.

DATE EVALUATED: 2-22-22
PROPERTY SIZE: ~5ac ?
PROPERTY RECORDED: 8-10-1962

WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other Lot 146, Block B - Arlington Forest
EVALUATION METHOD: ☑ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LS 4%0	0-3	gr/L	Fr/NS/NP/Non		42"+		42	PS 0.3
		3-42	Sbk/C	Fi/ss/sp/Stky					
2	LS 2%0	0-3	gr/L	Fr/NS/NP/Non		41"+		41+	PS 0.3
		3-41	Sbk/C	Fi/ss/sp/Stky					
3	Drainage swale			(not dug)					
4	LS 3%0	0-3	gr/L	Fr/NS/NP/Non		40"+		40+	PS 0.3
		3-40	Sbk/C	Fi/ss/sp/Stky					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	Exempt
System Type(s)	Accepted	
Site LTAR	0.3	

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): Provisionally Suitable
EVALUATED BY:
OTHER(S) PRESENT: Lee Thomason, LSS

LICENSED SOIL SCIENTIST JARED LEE THOMASON JR. 1385 STATE OF NORTH CAROLINA

COMMENTS: The LSS Evaluation is being submitted pursuant to and meets the requirements of SL 2018-114 Section 11.(c).

The LSS Evaluation is being submitted pursuant to and meets the requirements of SL 2018-114 Section 11.(c).

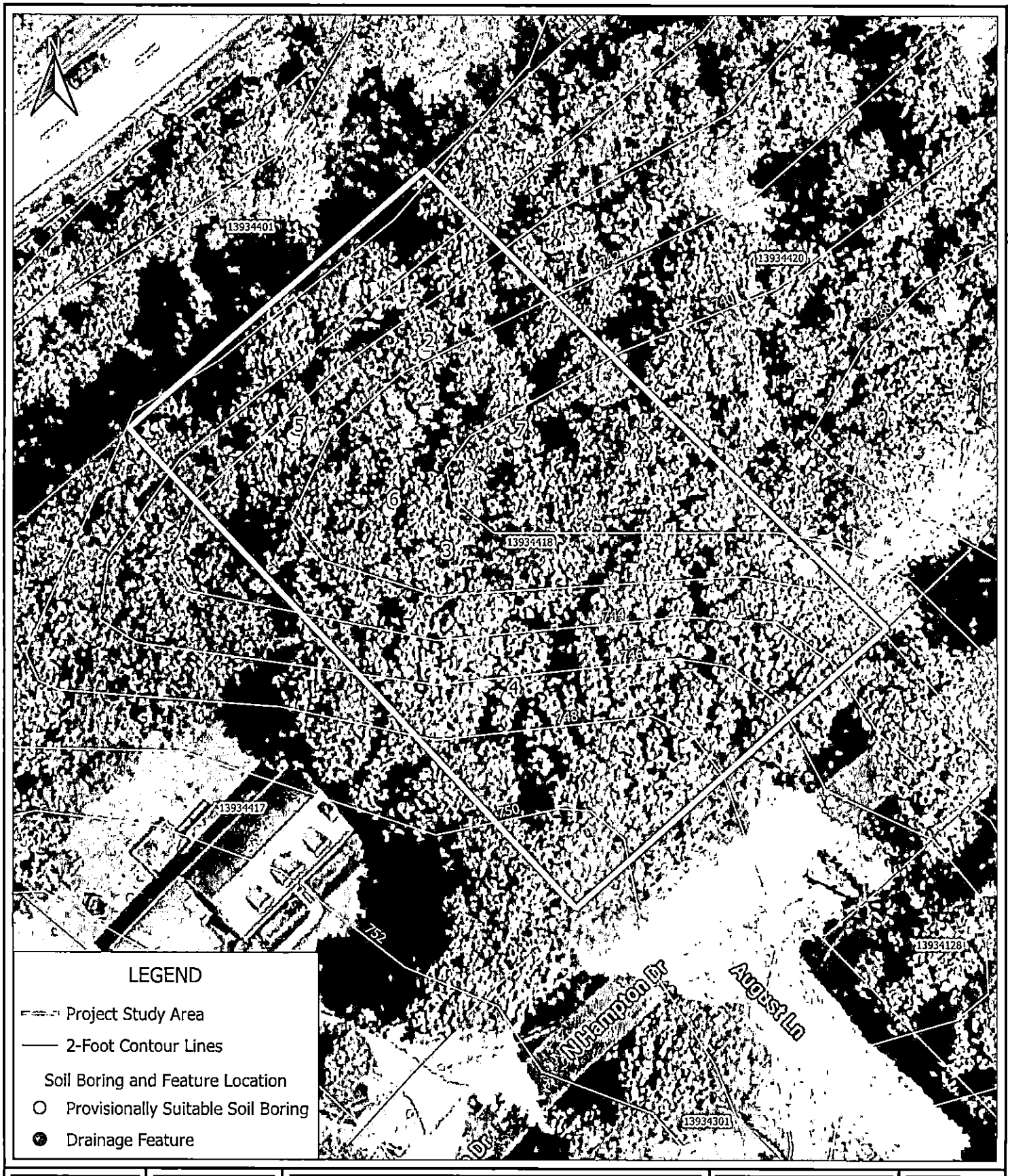
SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

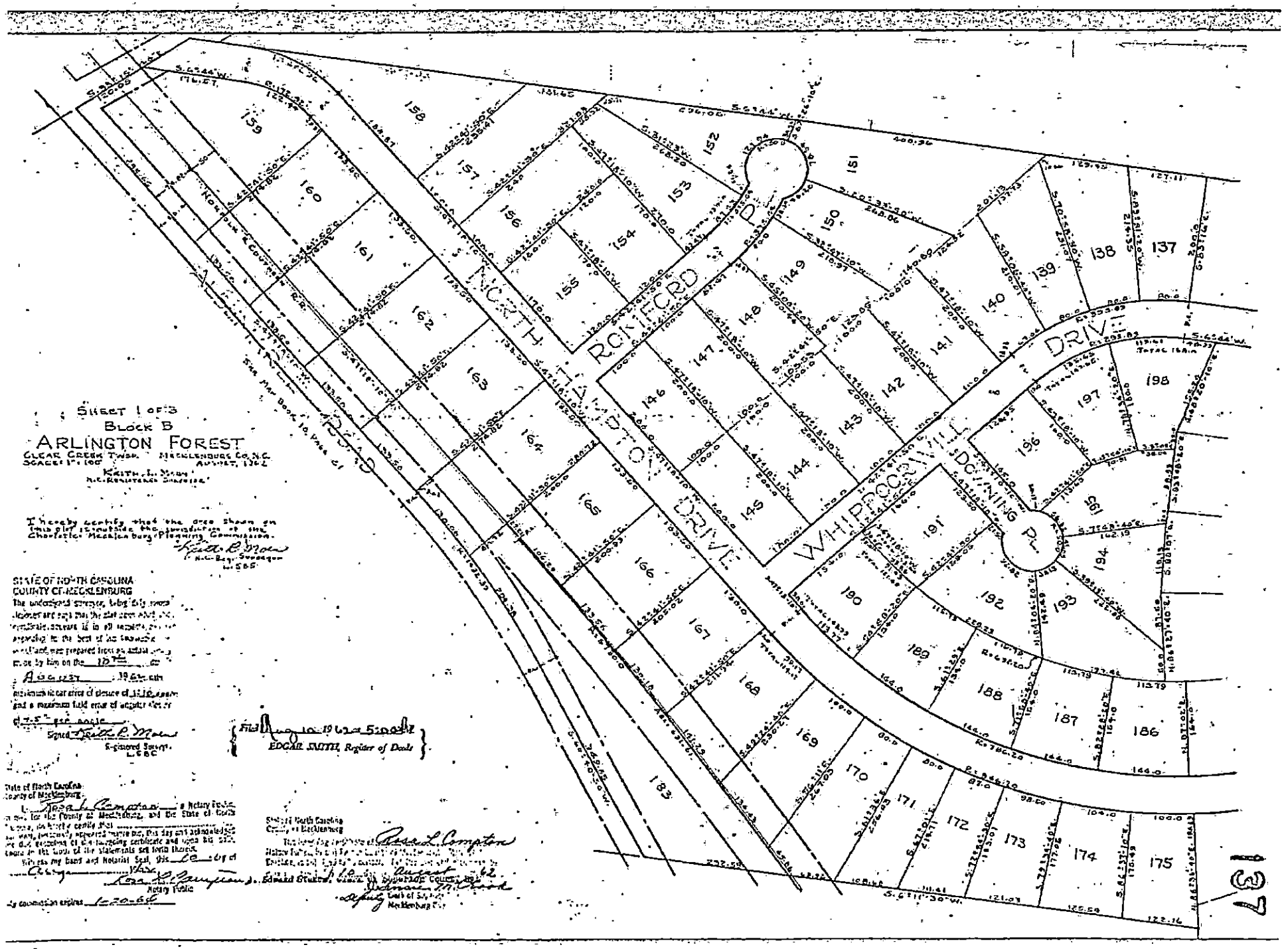
PROPERTY ID #: 13934418
DATE OF EVALUATION: 2-27-22
COUNTY: Mecklenburg

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	
5	LS 3%	0-6	gr/l	fr/ns/np/nexp		42+			PS 0.3
		6-42+	sbk/c	fi/ss/sp/sexp					
6	LS 3%	0-3	gr/l	fr/ns/np/nexp		41+			PS 0.3
		3-41+	sbk/c	fi/ss/sp/sexp					
7	LS 3%	0-4	gr/l	fr/ns/np/nexp		41+			PS 0.3
		4-41+	sbk/c	fi/ss/sp/sexp					

COMMENTS: _____



Thompson Environmental Consulting	Prepared For: Four Corners of Charlotte, LLC	Soil and Site Evaluation 11301 N. Hampton Drive Charlotte, NC 26227 Mecklenburg County	Date: February 2022 Scale: 0 20 40 ft TEC Job #: 22-36	Figure 1


SHEET 1 OF 3
BLOCK B
ARLINGTON FOREST
CLEAR CREEK TWSP. MECKLENBURG CO. N.C.
SCALE: 1" = 100' AUGUST, 1962
KEITH L. MOON
N.C. REGISTERED SURVEYOR
I hereby certify that the area shown on this plat is outside the jurisdiction of the Charlotte-Mecklenburg Planning Commission.
Keith L. Moon
N.C. Reg. Surveyor
L-585
STATE OF NORTH CAROLINA
COUNTY OF MECKLENBURG
The undersigned surveyor, being duly sworn, declares and says that the plat seen hereon is correct to the best of his knowledge and belief, was prepared from an actual survey made by him on the 10th day of August, 1962 with an allowable linear error of closure of 1:10,000 and a maximum field error of angular closure of 0°-0'-5" per angle.
Signed Keith L. Moon
Registered Surveyor
L-585
Filed for record 10 Aug 1962 5:00 P.M.
EDGAR SMITH, Register of Deeds
State of North Carolina
County of Mecklenburg
I, Jean L. Compton a Notary Public for the County of Mecklenburg, and the State of North Carolina, do hereby certify that ... personally appeared before me this day and acknowledged the due execution of the foregoing certificate and upon his oath swore to the truth of the statements set forth therein.
Witness my hand and Notarial Seal, this 20 day of August, 1962
Jean L. Compton
Notary Public
My commission expires 1-20-66
State of North Carolina
County of Mecklenburg
The foregoing certificate of Jean L. Compton
Notary Public for the County of Mecklenburg and State of North Carolina is certified to be correct. This 10 day of August, 1962
Edward Smith, Clerk of Superior Court
Mecklenburg County
By Deputy Clerk of Superior Court
Mecklenburg Co.
NORTH TAMPTON DRIVE
ROCKFORD DRIVE
WHIPPOORWILL DRIVE
DOMINING PL.
PL.
DRIVE
ROAD
Norfolk & Carolina R.R.
State Highway
Book 10 Page 61
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
183
198
157
156
155
154
153
152
151
150
149
148
147
146
145
144
143
142
141
140
139
138
137
198
197
196
195
191
194
190
192
193
189
188
187
186
L-37

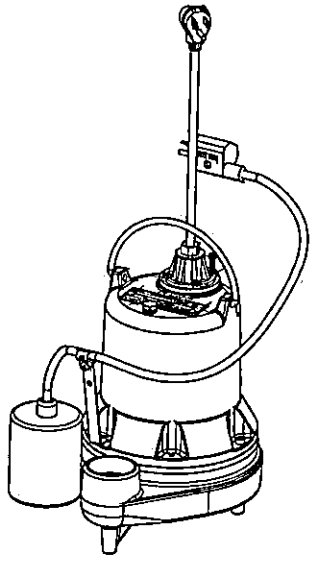
Liberty Pumps®

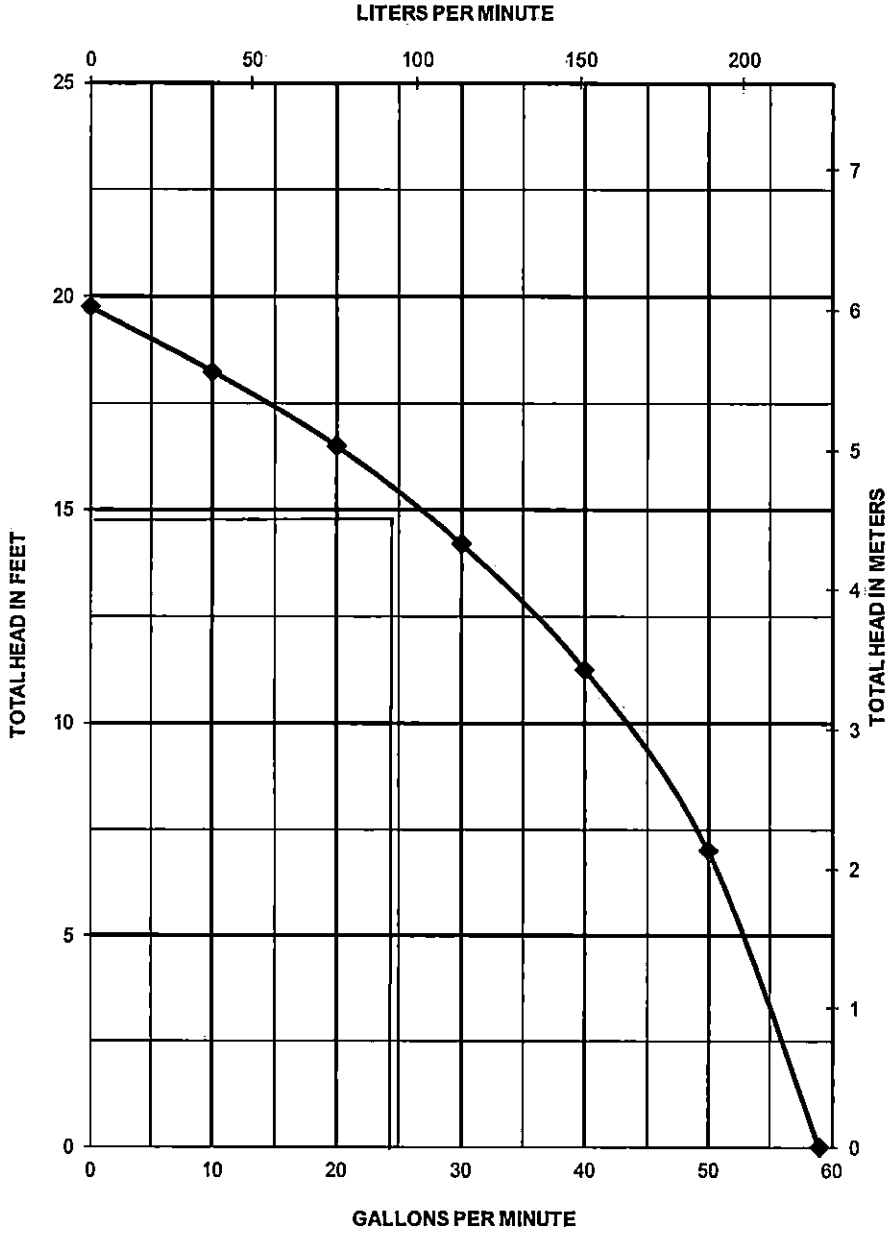
A Family and Employee Owned Company

Pump Specification

FL30-Series

1/3 HP Submersible Effluent Pumps

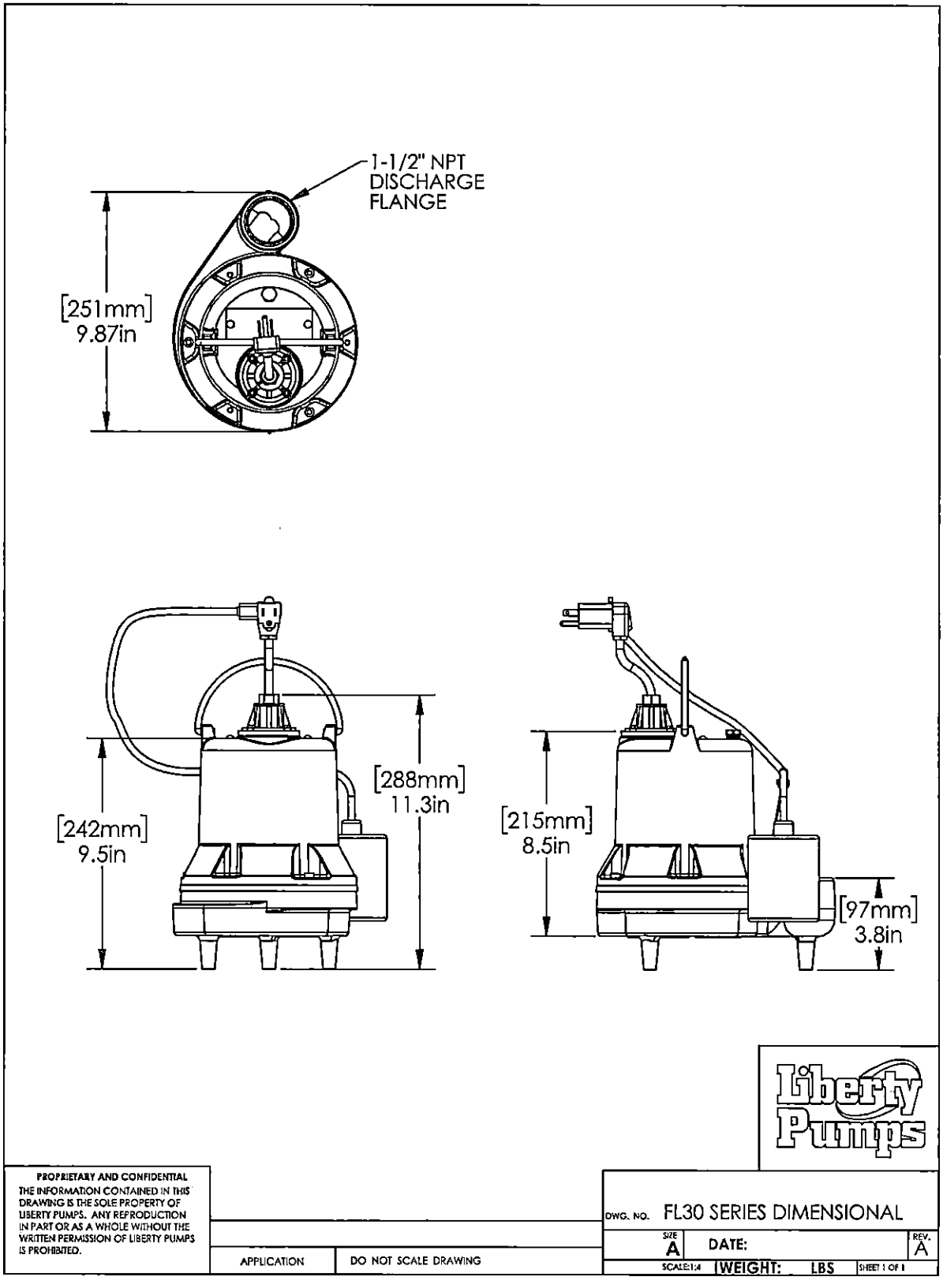




Copyright © Liberty Pumps, Inc. 2019 All rights reserved. Specifications subject to change without notice.

7000 Apple Tree Avenue Bergen NY 14416 ■ Phone 800-543-2550 ■ Fax 585-494-1839 ■ Email Liberty@LibertyPumps.com ■ Web www.LibertyPumps.com

FL30-Series Dimensional Data



Copyright © Liberty Pumps, Inc. 2019 All rights reserved. Specifications subject to change without notice.

7000 Apple Tree Avenue Bergen NY 14416 ■ Phone 800-543-2550 ■ Fax 585-494-1839 ■ Email Liberty@LibertyPumps.com ■ Web www.LibertyPumps.com

FL30-Series Electrical Data

MODEL	HP	VOLTAGE	PHASE	FULL LOAD AMPS	LOCKED ROTOR AMPS	THERMAL OVERLOAD TEMP	STATOR WINDING CLASS	CORD LENGTH	PUMP DISCHARGE	AUTOMATIC
FL31A	1/3	115	1	10.5	26	105°C / 221°F	B	10'	1-1/2" NPT	YES
FL31A-2	1/3	115	1	10.5	26	105°C / 221°F	B	25'	1-1/2" NPT	YES
FL31A-3	1/3	115	1	10.5	26	105°C / 221°F	B	35'	1-1/2" NPT	YES
FL31M	1/3	115	1	10.5	26	105°C / 221°F	B	10'	1-1/2" NPT	NO
FL31M-2	1/3	115	1	10.5	26	105°C / 221°F	B	25'	1-1/2" NPT	NO
FL31M-3	1/3	115	1	10.5	26	105°C / 221°F	B	35'	1-1/2" NPT	NO
FL31M-5	1/3	115	1	10.5	26	105°C / 221°F	B	50'	1-1/2" NPT	NO
FL32A	1/3	208–230	1	5.5	12	105°C / 221°F	B	10'	1-1/2" NPT	YES
FL32A-2	1/3	208–230	1	5.5	12	105°C / 221°F	B	25'	1-1/2" NPT	YES
FL32A-3	1/3	208–230	1	5.5	12	105°C / 221°F	B	35'	1-1/2" NPT	YES
FL32M	1/3	208–230	1	5.5	12	105°C / 221°F	B	10'	1-1/2" NPT	NO
FL32M-2	1/3	208–230	1	5.5	12	105°C / 221°F	B	25'	1-1/2" NPT	NO
FL32M-3	1/3	208–230	1	5.5	12	105°C / 221°F	B	35'	1-1/2" NPT	NO
FL32M-5	1/3	208–230	1	5.5	12	105°C / 221°F	B	50'	1-1/2" NPT	NO

Copyright © Liberty Pumps, Inc. 2019 All rights reserved. Specifications subject to change without notice.

7000 Apple Tree Avenue Bergen NY 14416 ■ Phone 800-543-2550 ■ Fax 585-494-1839 ■ Email Liberty@LibertyPumps.com ■ Web www.LibertyPumps.com

FL30-Series Technical Data

IMPELLER	MULTI-VANE ENGINEERED POLYMER
PAINT	POWDER COATING
MAX LIQUID TEMP	60°C / 140°F
MAX STATOR TEMP (1-PHASE)	130°C / 250°F
THERMAL OVERLOAD	105°C / 221°F
POWER CORD TYPE	SJTW
MOTOR HOUSING	CLASS 25 CAST IRON
VOLUTE	CLASS 25 CAST IRON
SHAFT	STAINLESS
HARDWARE	STAINLESS
O-RINGS	BUNA-N
MECHANICAL SEAL	UNITIZED CERAMIC CARBON
WEIGHT	37 LBS / 16.8 KG

Copyright © Liberty Pumps, Inc. 2019 All rights reserved. Specifications subject to change without notice.

7000 Apple Tree Avenue Bergen NY 14416 ■ Phone 800-543-2550 ■ Fax 585-494-1839 ■ Email Liberty@LibertyPumps.com ■ Web www.LibertyPumps.com

FL30-Series Specifications

1.01 GENERAL

The contractor shall provide labor, material, equipment, and incidentals required to provide _____ (QTY) centrifugal pumps as specified herein. The pump models covered in this specification are FL30-Series single-phase pumps. The pump furnished for this application shall be model _____ as manufactured by Liberty Pumps.

2.01 OPERATING CONDITIONS

Each submersible pump shall be rated at 1/3 hp, _____ volts, single-phase, 60 Hz, 1725 RPM. The unit shall produce _____ GPM at _____ feet of total dynamic head.

The submersible pump shall be capable of handling effluent with 3/4" solids handling capability. The submersible pump shall have a shut-off head of 19.8 feet and a maximum flow of 58 GPM @ 5 feet of total dynamic head.

The pump shall be controlled with:

_____ Piggyback style ON/OFF float switch

_____ NEMA 4X outdoor simplex control panel with three float switches and a high water alarm

_____ NEMA 1 indoor simplex control panel with three float switches and a high water alarm

_____ NEMA 4X outdoor simplex control panel with four float switches and a high water alarm

_____ NEMA 1 indoor simplex control panel with four float switches and a high water alarm

_____ NEMA 4X outdoor duplex control panel with three float switches and a high water alarm

_____ NEMA 1 indoor duplex control panel with three float switches and a high water alarm

_____ NEMA 4X outdoor duplex control panel with four float switches and a high water alarm

_____ NEMA 1 indoor duplex control panel with four float switches and a high water alarm

3.01 CONSTRUCTION

Each centrifugal effluent pump shall be equal to the $_{c}$SP$_{us}$ certified FL30-Series pumps as manufactured by Liberty Pumps, Bergen NY. The castings shall be constructed of class 25 cast iron. The motor housing shall be oil filled to dissipate heat. Air filled motors shall not be considered equal since they do not properly dissipate heat from the motor. All mating parts shall be machined and sealed with a Buna-N O-ring. All fasteners exposed to the liquid shall be stainless steel. The motor shall be protected on the top side with sealed cord entry plate with molded pins to conduct electricity, eliminating the ability of water to enter internally through the cord. The motor shall be protected on the lower side with a unitized ceramic/carbon seal with stainless steel housings and spring. The pump shall be furnished with stainless steel handle.

4.01 ELECTRICAL POWER CORD

The submersible pump shall be supplied with 10, 25, 35, or 50 feet of multiconductor power cord. It shall be cord type SJTW, capable of continued exposure to the pumped liquid. The power cord shall be sized for the rated full load amps of the pump in accordance with the National Electric Code. The power cable shall not enter the motor housing directly but will conduct electricity to the motor by means of a watertight compression fitting cord plate assembly, with molded pins to conduct electricity. This will eliminate the ability of water to enter internally through the cord by means of a damaged or wicking cord.

Copyright © Liberty Pumps, Inc. 2019 All rights reserved. Specifications subject to change without notice.

7000 Apple Tree Avenue Bergen NY 14416 ■ Phone 800-543-2550 ■ Fax 585-494-1839 ■ Email Liberty@LibertyPumps.com ■ Web www.LibertyPumps.com

5.01 MOTORS

Single-phase motors shall be oil filled, permanent split capacitor, class B insulated NEMA B design, rated for continuous duty. Since air filled motors are not capable of dissipating heat as effectively, they shall not be considered equal. At maximum load, the winding temperature shall not exceed 130°C unsubmerged. The pump motor shall have an integral thermal overload switch in the windings for protecting the motor. The capacitor circuit shall be mounted internally in the pump.

6.01 BEARINGS AND SHAFT

Upper and lower ball bearings shall be required. The bearings shall be a single ball/race type bearing. Both bearings shall be permanently lubricated by the oil that fills the motor housing. The motor shaft shall be made of 300 or 400 series stainless steel and have a minimum diameter of 0.500".

7.01 SEALS

The pump shall have a unitized carbon/ceramic seal with stainless steel housings and spring equal to Crane Type 6a. The motor plate/ housing interface shall be sealed with a Buna-N O-ring.

8.01 IMPELLER

The impeller shall be engineered polymer, with pump out vanes on the back shroud to keep debris away from the seal area. It shall be threaded to the motor shaft.

9.01 CONTROLS

All units can be supplied with CSA and UL approved automatic wide angle tilt float switches. The switches shall be equipped with piggyback style plug that allows the pump to be operated manually without the removal of the pump in the event that a switch becomes inoperable. Manual pumps are operable by means of a pump control panel.

10.01 PAINT

The exterior of the casting shall be protected with powder coat paint.

11.01 SUPPORT

The pump shall have cast iron support legs, enabling it to be a freestanding unit. The legs will be high enough to allow 3/4" solids to enter the volute.

12.01 SERVICEABILITY

Components required for the repair of the pump shall be shipped within a period of 24 hours.

Copyright © Liberty Pumps, Inc. 2019 All rights reserved. Specifications subject to change without notice.

7000 Apple Tree Avenue Bergen NY 14416 ■ Phone 800-543-2550 ■ Fax 585-494-1839 ■ Email Liberty@LibertyPumps.com ■ Web www.LibertyPumps.com

13.01 FACTORY ASSEMBLED TANK SYSTEMS WITH GUIDE RAIL AND QUICK DISCONNECT DISCHARGE

_____ Factory mounted guide rail system with pump suspended by means of bolt-on quick disconnect that is sealed by means of nitrile grommets or O-rings. The discharge piping shall be schedule 80 PVC and furnished with a PVC check valve and shut-off ball valve. The tank shall be wound fiberglass or roto-molded plastic. An inlet hub shall be provided with the fiberglass systems.

_____ Stainless steel guide rail

_____ Zinc plated steel guide rail

_____ " diameter of basin

_____ " height of basin

_____ " distance from top of tank to discharge pipe outlet

_____ Fiberglass cover

_____ Structural foam polymer cover

_____ Steel cover

_____ Simplex system with outdoor panel and alarm

_____ Duplex system with outdoor panel and alarm

_____ Separate outdoor alarm

_____ Remote outdoor alarm

14.01 TESTING

The pump shall have a ground continuity check and the motor chamber shall be hi-potted to test for electrical integrity, moisture content, and insulation defects. The motor and volute housing shall be pressurized, and an air leak decay test performed to ensure integrity of the motor housing. The pump shall be run, voltage current monitored, and checked for noise or other malfunction.

15.01 QUALITY CONTROL

The pump shall be manufactured in an ISO 9001 certified facility.

16.01 WARRANTY

Standard limited warranty shall be 3 years.

Copyright © Liberty Pumps, Inc. 2019 All rights reserved. Specifications subject to change without notice.

7000 Apple Tree Avenue Bergen NY 14416 ■ Phone 800-543-2550 ■ Fax 585-494-1839 ■ Email Liberty@LibertyPumps.com ■ Web www.LibertyPumps.com

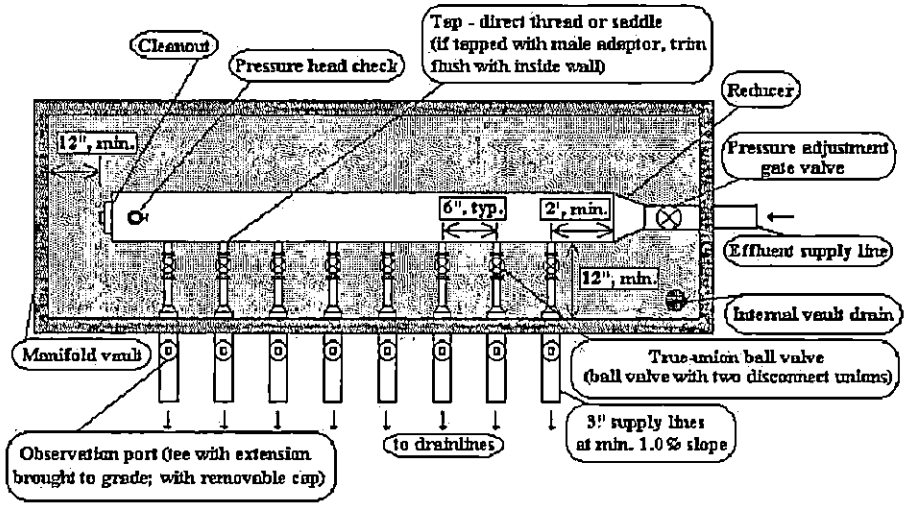
Thompson Environmental Consulting, Inc.
PO Box 541
Midland, NC 28107-0541

Tax ID Number: 13934418

Location: 11301 N. Hampton Drive

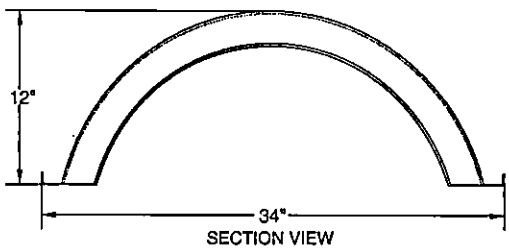
Date: April 18, 2022

Recommended Pressure Manifold Design
(Number of Taps May Vary)

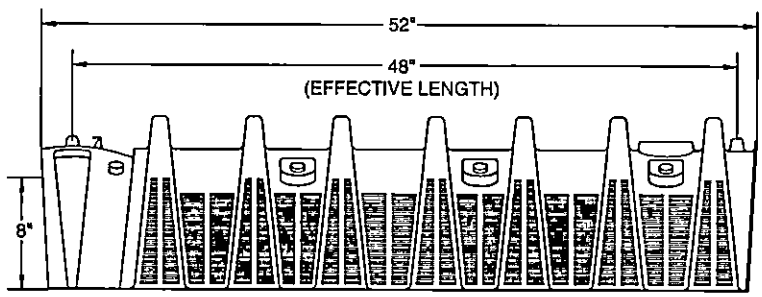


Quick4™
STANDARD CHAMBER

Quick4 Standard Chamber

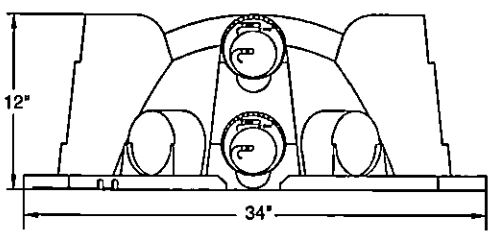


SECTION VIEW

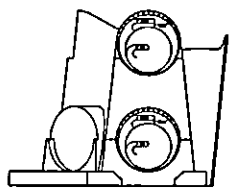


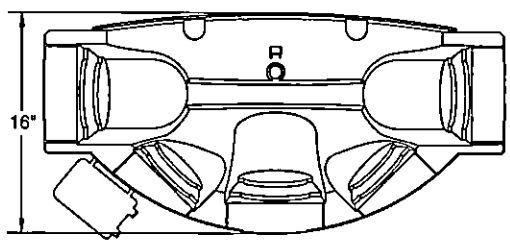
SIDE VIEW

MultiPort End Cap



FRONT VIEW


SIDE VIEW



TOP VIEW

Quick4 Standard Chamber Nominal Specifications

Size (W x L x H)	34" x 52" x 12"
Effective Length	48"
Invert Height	8"

MultiPort End Cap Nominal Specifications

Size (W x L x H)	34" x 16" x 12"
Invert Height	8" or 1.25"

INFILTRATOR SYSTEMS, INC. STANDARD LIMITED WARRANTY

(a) The structural integrity of each chamber, end plate, wedge and other accessory manufactured by Infiltrator ("Units"), when installed and operated in a leachfield of an onsite septic system in accordance with Infiltrator's instructions, is warranted to the original purchaser ("Holder") against defective materials and workmanship for one year from the date that the septic permit is issued for the septic system containing the Units; provided, however, that if a septic permit is not required by applicable law, the warranty period will begin upon the date that installation of the septic system commences. To exercise its warranty rights, Holder must notify Infiltrator in writing at its Corporate Headquarters in Old Saybrook, Connecticut within fifteen (15) days of the alleged defect. Infiltrator will supply replacement Units for Units determined by Infiltrator to be covered by this Limited Warranty. Infiltrator's liability specifically excludes the cost of removal and/or installation of the Units.

(b) THE LIMITED WARRANTY AND REMEDIES IN SUBPARAGRAPH (a) ARE EXCLUSIVE. THERE ARE NO OTHER WARRANTIES WITH RESPECT TO THE UNITS, INCLUDING NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

(c) This Limited Warranty shall be void if any part of the chamber system is manufactured by anyone other than Infiltrator. The Limited Warranty does not extend to incidental, consequential, special or indirect damages. Infiltrator shall not be liable for penalties or liquidated damages, including loss of production and profits, labor and materials, overhead costs, or other losses or expenses incurred by the Holder or any third party. Specifically excluded from Limited Warranty coverage are damage to the Units due to ordinary wear and tear, alteration, accident, misuse, abuse or neglect of the Units; the Units being subjected to vehicle traffic or other conditions which are not permitted by the installation instructions; failure to maintain the minimum ground covers set forth in the installation instructions; the placement of improper materials into the system containing the Units; failure of the Units or the septic system due to improper siting or improper sizing, excessive water usage, improper grease disposal, or improper operation; or any other event not caused by Infiltrator. This Limited Warranty shall be void if the Holder fails to comply with all of the terms set forth in this Limited Warranty.

Further, in no event shall Infiltrator be responsible for any loss or damage to the Holder, the Units, or any third party resulting from installation or shipment, or from any product liability claims of Holder or any third party. For this Limited Warranty to apply, the Units must be installed in accordance with all site conditions required by state and local codes; all other applicable laws; and Infiltrator's installation instructions.

(d) No representative of Infiltrator has the authority to change or extend this Limited Warranty. No warranty applies to any party other than the original Holder.

.....

The above represents the Standard Limited Warranty offered by Infiltrator. A limited number of states and counties have different warranty requirements. Any purchaser of Units should contact Infiltrator's Corporate Headquarters in Old Saybrook, Connecticut, prior to such purchase, to obtain a copy of the applicable warranty, and should carefully read that warranty prior to the purchase of Units.

INFILTRATOR® SYSTEMS INC

Environmental Onsite Wastewater Solutions℠

6 Business Park Road • P.O. Box 768
Old Saybrook, CT 06475
860-577-7000 • FAX 860-577-7001

800-221-4436

U.S. Patents: 4,759,661; 5,017,041; 5,156,488; 5,336,017; 5,401,116; 5,401,459; 5,511,903; 5,716,163; 5,588,778; 5,839,844
Canadian Patents: 1,329,959; 2,004,564 Other patents pending.

Infiltrator, Equalizer and SideWinder are registered trademarks of Infiltrator Systems Inc. Infiltrator is a registered trademark in France. Infiltrator Systems Inc. is a registered trademark in Mexico. Contour, Contour Swivel Connection, MicroLeaching, PolyTuff, SnapLock, ChamberSpacer, PosiLock, QuickCut, QuickPlay and Quick4 are trademarks of Infiltrator Systems Inc. © 2003 Infiltrator Systems Inc. Printed in U.S.A.

RECYCLED PAPER

Q011203HP-0

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	04/19/22	**Amount:**	250.00
Receipt #:	135316	**Tendered:**	250.00
Check / Auth #:	VISA 095346	**Returned:**	0.00
Received By:	ELLISLW		

Account Information

Account #: 200000
Contractor: THOMPSON, LARRY
Attn:
Address:
Address:
City/State/Zip: ,

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen 11301 N HAMPTON DR		1	250.00	250.00

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

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
232.00					

Groundwater & Wastewater Services
Septic Project File & Data Review Worksheet

GWS File #: 11375B WASPS App #: 13073

Primary ES assigned to project: Braedon Shelton

Secondary ES assigned to project:

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

I. File Review:

Rule or Law	Permit Application			
.1937(d)	Is the Application complete	Yes ☑	No ☐	N/A ☐
.1937(d)	Is there a Site plan/Plat with application	Yes ☑	No ☐	N/A ☐
.1937(d)	Is the Facility shown?	Yes ☑	No ☐	N/A ☐
.1937(d)	Are appurtenances shown	Yes ☑	No ☐	N/A ☐
	Site Evaluation Information			
.1939 (a)(1)	Topography and Landscape Position Recorded?	Yes ☑	No ☐	N/A ☐
.1940 (a-g)	Slope % Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Texture Class Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Structure type Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Consistence Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Mineralogy Recorded?	Yes ☐	No ☑	N/A ☐
.1939 (a)(3)	Soil Wetness Condition Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(4)	Soil Depth to Rock or Parent Material Recorded When Encountered	Yes ☑	No ☐	N/A ☐
.1939 (a)(5)	Depth to Restrictive Horizons Recorded When Encountered?	Yes ☐	No ☐	N/A ☑
.1939 (a)(6)	Sufficient Available Space Recorded?	Yes ☑	No ☐	N/A ☐
.1937(m)	Are the Profile Locations Shown?			
.1939(a)	Are the S/PS Profiles in system & in repair area?	Yes ☐	No ☐	N/A ☑
& .1945(b)	Number of auger borings made: 7			
	Were sufficient auger borings made?	Yes ☐	No ☐	N/A ☐
.1939(d), .1955, .1956, .1957	LTAR CLS Permit	Yes ☐	No ☐	N/A ☐
	Improvement Permit/Construction Authorization			
.1937(g) 130A-336(a)	Proposed System Type stated-Initial	Yes ☑	No ☐	N/A ☐
.1945(b)	Proposed System Type stated-Repair	Yes ☑	No ☐	N/A ☑
130A-336 (a)(3)	System location identifiable by setbacks - Initial	Yes ☑	No ☐	N/A ☐
.1937(g) .1945(b)	System components shown – Initial	Yes ☑	No ☐	N/A ☐
.1945(b)	Repair area shown	Yes ☐	No ☐	N/A ☑
.1937 (f)(g)	Does System design match facility, flow & WWcharacteristics?	Yes ☑	No ☐	N/A ☐
.1937 (f)(g)	Is System design consistent with soil/site conditions?	Yes ☑	No ☐	N/A ☐
.1937 (f)(g)	Is the System located in the approved area?	Yes ☑	No ☐	N/A ☐
130A-336(a)	Is the Design flow (gpd) indicated?	Yes ☑	No ☐	N/A ☐

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

II. WASPS Review:

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

Items requiring correction/modification: _____

Comments:

_____

_____

_____

_____

_____

IA issued date: _____

OP issued date: _____

Review performed by: _____ Date performed: _____

DocuSign Envelope ID: 1DBA3DF0-B67E-4701-9721-0F62AC8B6E0F

Mecklenburg County Groundwater & Wastewater Services
3205 Freedom Dr., Suite 6000 Charlotte, NC 28208
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 #: 30013073 GWS File #: 11375B Tax Parcel #: 139-344-18

- 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. 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):** 5/12/2027
Type of Installation: Residential - New System Lot Number: 146
Structure Type: HOUSE Size (ft^2): 2000 # Bedrooms: 3 Max. Occup.: 6
Building Foundation: Concrete Slab Water Supply: Private Well

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

Initial System Specifications:
Design Flow (gpd): 360 LTAR (gpd/ft^2): .275 Septic Tank Size (gal): 1000 Pump Tank Size (gal): 1000
Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 982 Total Trench Length (ft): 327
Maximum Trench Depth (in): 26 Depth of Media (in): 12 Distribution Device: Pressure Manifold

III. Repair System Type: N/A **System Classification:**

Repair System Specifications:
Design Flow (gpd): 0 LTAR (gpd/ft^2): 0 Septic Tank Size (gal): 0 Pump Tank Size (gal): 0
Trench Width (ft): 0 Trench Spacing (ft): 0 Absorption Area (ft^2): 0 Total Trench Length (ft): 0
Maximum Trench Depth (in): 0 Depth of Media (in): 0 Distribution Device: N/A

IV. Permit Conditions/Comments: Session Law Section 11.(c) of SL 2018-114 using the signed LSS evaluation attached.

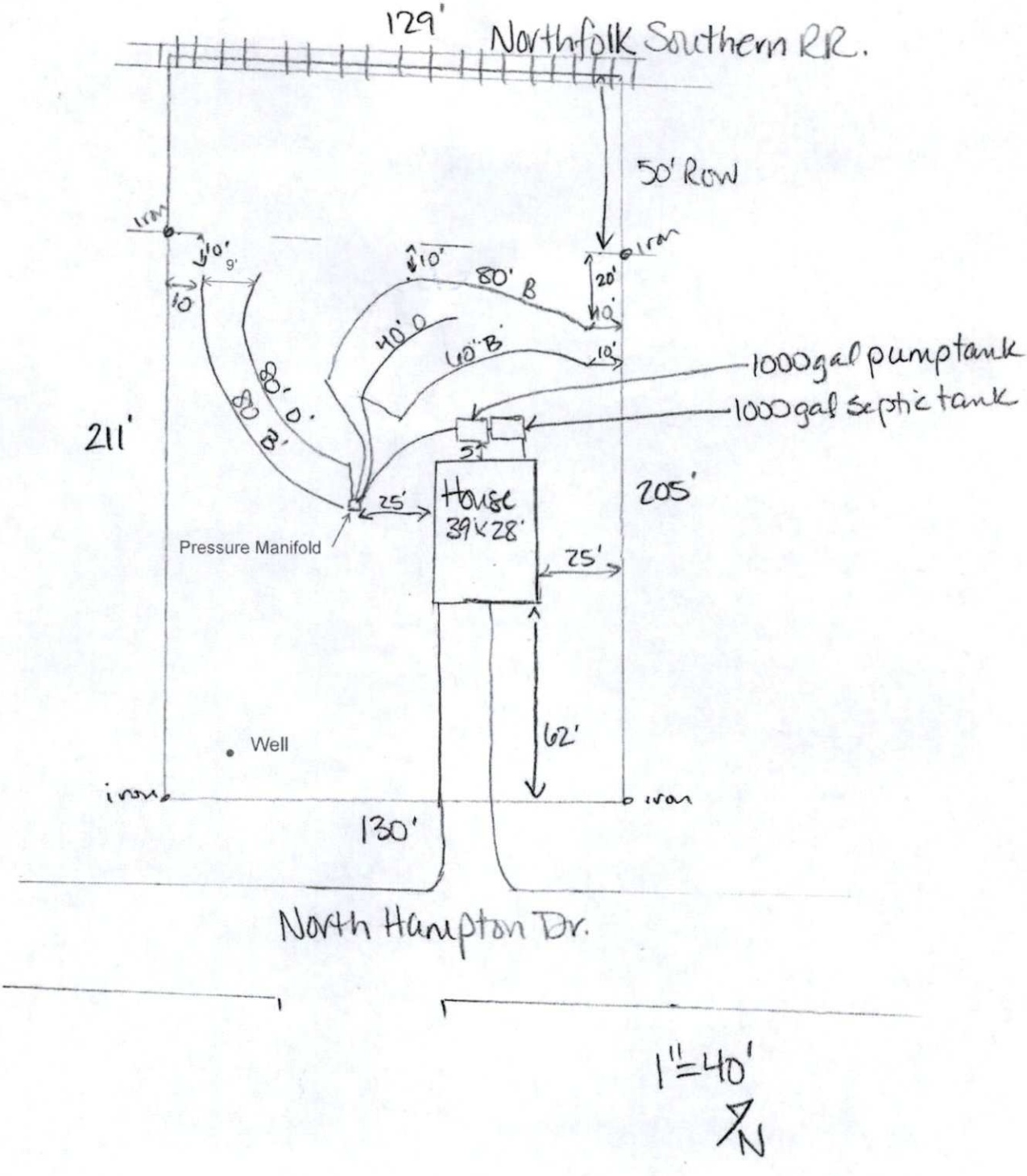
(Please See the Following Page for Permit Conditions.)

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: Braedon Shelton
Signature: Braedon Shelton
Date Issued: 5/12/2022

Owner/Legal Agent: Romil Chudgar
DocuSigned by: Print Name
Signature: [signature]
4EED4D1B1115427...


129'
Northfolk Southern RR.
50' Row
iron
10'
10'
10'
80' B
20'
10'
40' O
40' B
10'
1000 gal pump tank
1000 gal septic tank
80' O.
80' B.
211'
5'
House
39'x28'
205'
25'
Pressure Manifold
25'
62'
Well
iron
iron
130'
North Hampton Dr.
1"=40'
N

SIGNATURE _____

klenburg County Groundwater & Wastewater Services
5 Freedom Dr. Suite 8000 Charlotte, NC 28208
one: (980) 314-1680 Fax: (704) 336-6894

Septic System Pre-Construction Meeting Checklist

File # 11375B App# 13073 Tax Parcel# 139-344-18

Property Owner: Carolina Properties LLC

Job Location Address: 11301 North Hampton Dr.

City: Charlotte State: NC Zip Code: 28227

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: Session Law Larry Thompson design

*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.

Braedon Shelton — Authorized Agent

4/17/23 — Date

Maiden grading — Others Present

Mecklenburg County Groundwater & Wastewater Services
3205 Freedom Dr. Suite 8000, Charlotte, NC 28208
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 #: 11375 B Permit #: 13073 Tax Parcel #: 139-344-18

Property Owner: Carolina Properties LLC

Job Location Address: 11301 North Hampton Dr.

City: Charlotte State: NC Zip Code: 28227

Operation Permit Issuance Date: 4/27/23 Contractor Name: Malden Grading/Septic

Permitted Design Flow: 360 GPD Liquid Capacity of Dosing Tank: 1000 gallons

Liquid Capacity of Septic Tank: 1000 gallons Tank Manufacture Shoaf Effluent Pump Model: Little Giant SE-9

Drainfield Installation ☐ N/A

Trench Depth: 26 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.) (80',80',80',44',56')

Total line length: 340 feet

# of Lines: 5 @ Varies feet

Depth of Media: 12 inches (Type) Infiltrator Quick-4

Depth of Cover: ≥ 6 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: 73 feet

Inspection Dates

Tank(s) Inspected: 4/20/23

Excavation Inspected: 4/20/23

Pump & Controls Inspected: 4/20/23

SKETCH OF SYSTEM INSTALLATION
(As-Built Drawing)

Installed in accordance to Session Law design (Repair area exempt). See LSS design for specifics

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.

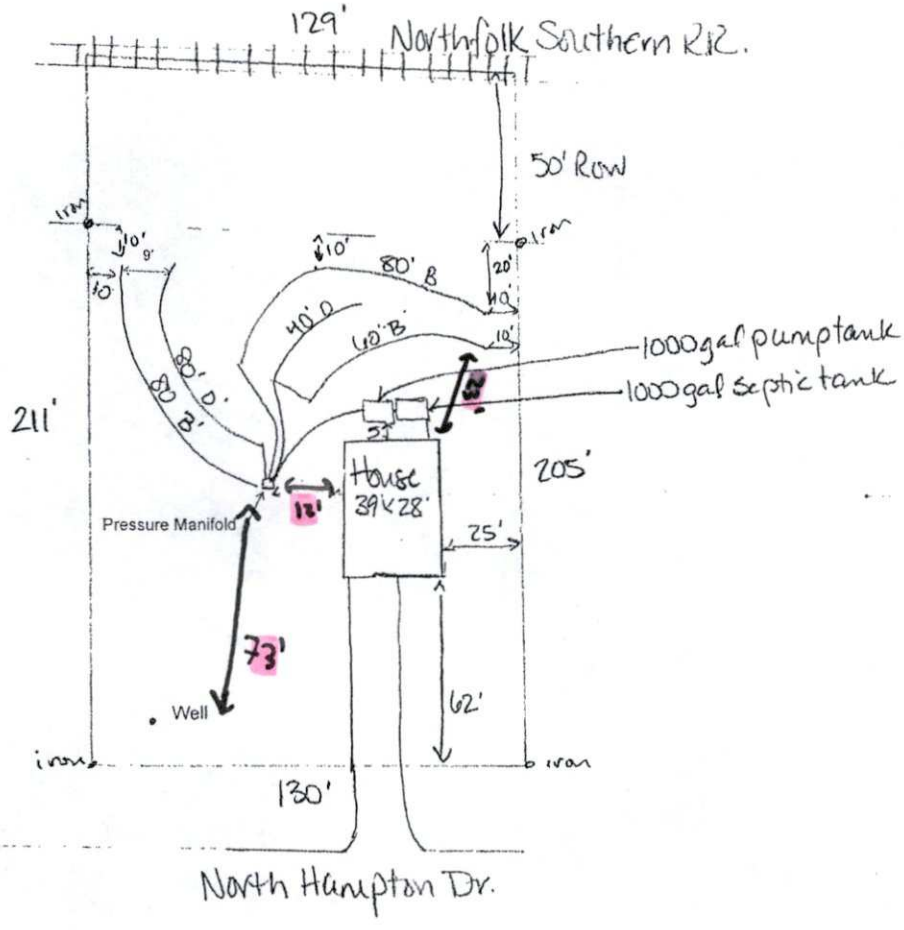
Notice: Disturbance of the designated repair area may result in the Suspension or Revocation of this permit.

Comments: System Classification & Type: IIIbg, CHM-36/9/N/A/MA, 3 Bedroom System

Repair area exempt 3-Bedroom System

DENR Authorized Agent: Braedan Shelton Signature: Braedan Shelton

DocuSign Envelope ID: 1DBA3DF0-B67E-4701-9721-0F62AC8B6E0F



1"=40'

N

SIGNATURE DocuSigned by:

Mecklenburg County Groundwater & Wastewater Services
3205 Freedom Dr. Suite 8000, Charlotte, NC 28208
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 #: 11375B Permit #: 13073 Tax Parcel #: 139-344-18

Property Owner: Carolina Properties LLC

Job Location Address: 11301 North Hampton Dr.

City: Charlotte State: NC Zip Code: 28227

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: IIIb, CHM-36

*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.

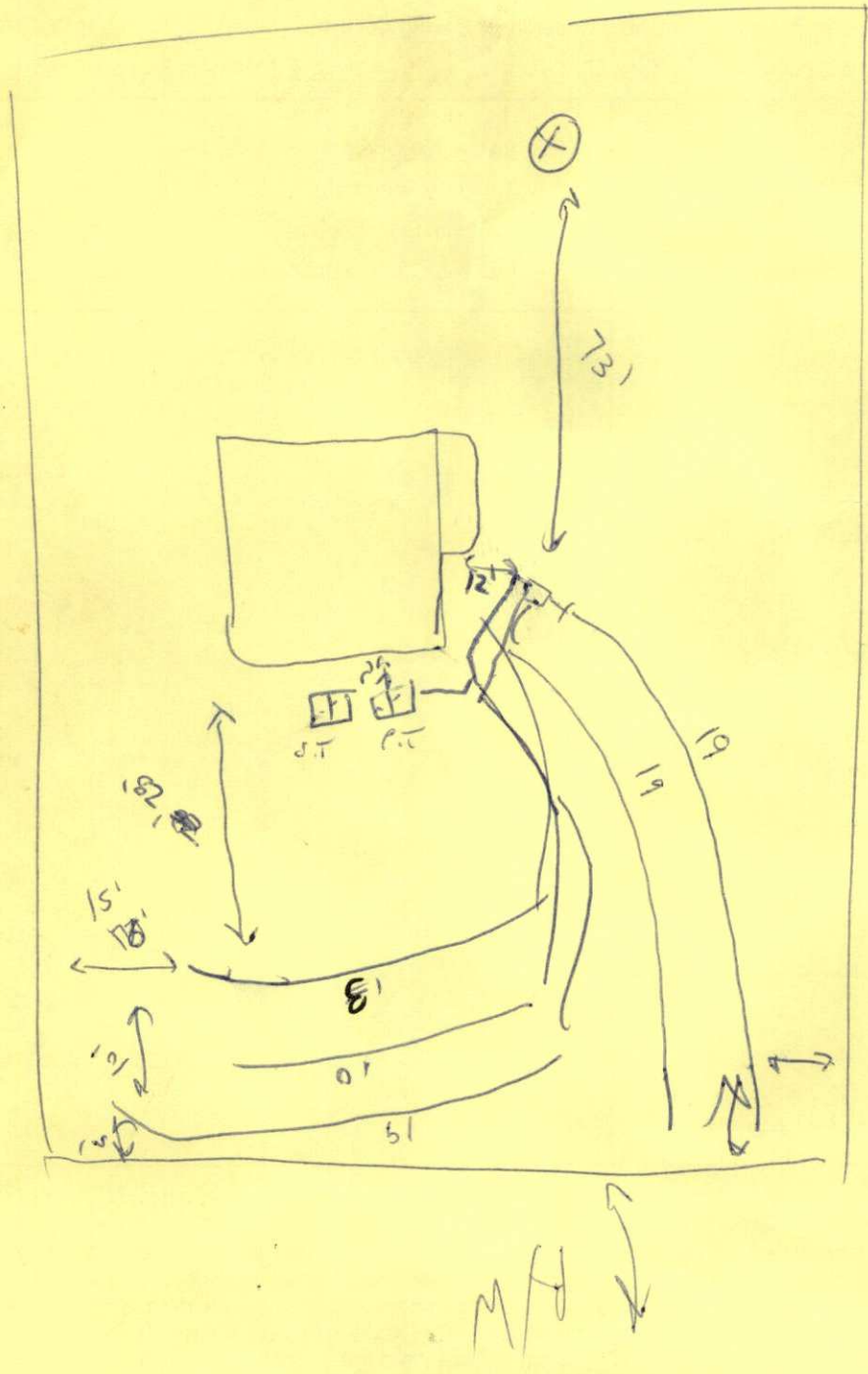
V. Other: 3-Bedroom, 25% Reduction System, Pump to Pressure Manifold. (Session Law Permit)

DENR Authorized Agent: Braedon Shelton Date: 4/27/23

Signature: Braedon Shelton

4/20/23

← North Hampton Dr →



M/H

- Letter from LANDD
- installed in accordance to Gesm

2-23-23
Shoot
Lithia Grant
E-9 4th hand

Mecklenburg County Groundwater & Wastewater Services
3205 Freedom Dr. Suite 8000, Charlotte, NC 28208
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 #:_____ Permit #:_____ Tax Parcel #:_____

Property Owner: _____

Job Location Address: _____

City: _____ State: _____ Zip Code: _____

Operation Permit Issuance Date: _____ Contractor Name: _____

Permitted Design Flow: _____ GPD Liquid Capacity of Dosing Tank: _____ gallons

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

Drainfield Installation ☐ N/A

Trench Depth: _____ inches

Trench Width: _____ feet

Line Spacing: _____ feet (O.C.)

Total line length: _____ feet

# of Lines: _____ @ _____ feet

Depth of Media: _____ inches (Type) _____

Depth of Cover: _____ inches

Distribution Device: _____

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

Bed Depth: _____ inches

Bed Width: _____ feet

Total line length: _____ feet

# of Lines: _____ @ _____ feet

Depth of Media: _____ inches (Type) _____

Depth of Cover: _____ inches

Distribution Device: _____

Water Supply Source

☐ Municipal ☐ Private Well ☐ Community Well

☐ Other _____

System Installation Setbacks

Distance from Building Foundation: _____ feet

Distance from Property Line: _____ feet

Distance from Water Supply Source: _____ feet

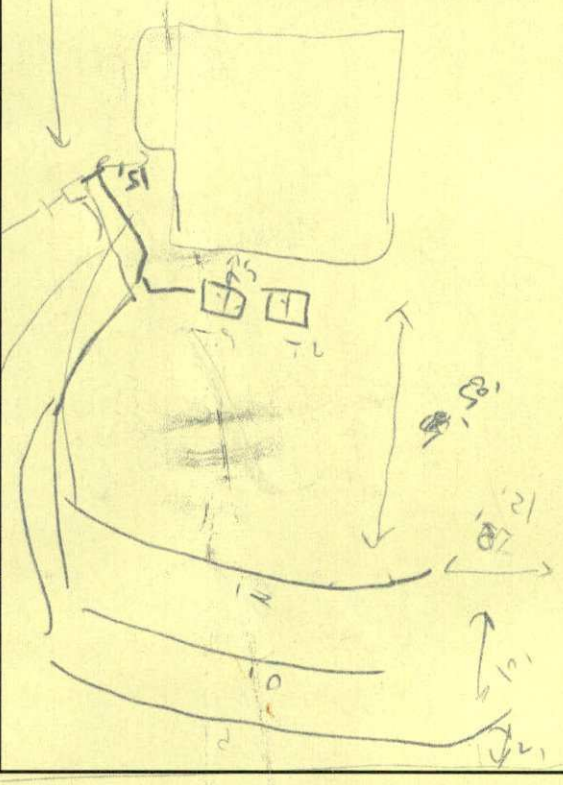
Inspection Dates

Tank(s) Inspected: _____

Excavation Inspected: _____

Pump & Controls Inspected: _____

SKETCH OF SYSTEM INSTALLATION
(As-Built Drawing)



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

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

Comments: System Classification & Type: _____

_____

DENR Authorized Agent: _____ Signature: _____

THOMPSON ENVIRONMENTAL CONSULTING, INC.
WATER ♦ WASTEWATER ♦ WETLANDS

April 24, 2023

Braedon Shelton, REHS
Valerie C. Woodard Center
3205 Freedom Drive, Suite 8000
Charlotte, NC 28208

Dear Mr. Shelton,

The purpose of this letter is to inform you that the system installed for 11301 North Hampton Road, Charlotte, North Carolina has been installed in general accordance with the proposal submitted to your office in April 2022.

Please feel free to call on me if you have any further questions or concerns regarding this project.

Sincerely,

Larry B. Thompson, Jr., NCEHS, LSS

PO BOX 541 • MIDLAND, NC • 28107-0541
PHONE: 704-301-4881 • FAX: 206-350-8895
E-MAIL: LARRY@THOMPSONENV.COM
WEB: WWW.THOMPSONENV.COM