24 January 2026

Mr. Jeremy Michelone, REHS/Environmental Health Supervisor
Mecklenburg County Public Health-Environmental Health Division
Groundwater and Wastewater Services
Mecklenburg County Public Health/Preventative Health
3205 Freedom Drive, Suite 8000
Charlotte, NC 28208

RE: Request for Existing use permit of the existing septic system at the Barlett Tree Lab

Dear Mr. Michelone,

Based on the information provided below from Mr. Fite the use of the facility will still be the same and the number of employees and their shift will not change. In previous years, the first floor was smaller than expected for the lab, therefore they would like to move the working lab from the first floor to the second floor, which would allow for more space. Please see the information that was provided to us in an email with the floor plan attachments in reference to the 1st and 2nd floor changes. Mr. Fite would like to use the existing septic system Permit #30011421, Tax Parcel ID 219-291-02 (See attached) for the use of the expansion. Based on this information, please consider this approval for Mr. Fite to use the existing septic system for future approval to use the existing on-site wastewater treatment and disposal septic system.

If you have any questions or concerns, call 704-619-1528.

Sincerely,

PGP Servies, Inc.
Mr. William Gravely, NC PE #029943

ORTH CAROLINA
PROFESSIONAL ENGINEER
WILLIAM F. GRAVELY, PE
NC PE NO. 029943

STATE OF NORTH CAROLINA
PROFESSIONAL ENGINEER
WILLIAM F. GRAVELY, PE
NC PE NO. 029943

Re: Email provided to us dated January 15, 4:48 pm including the following two attachments

Per Mr. Kelby Fite email, PH.D., V.P. Director of Research

Relocated from first floor:

Three sinks from DNA lab rooms to new lab rooms

Demonstration lab with no fixtures

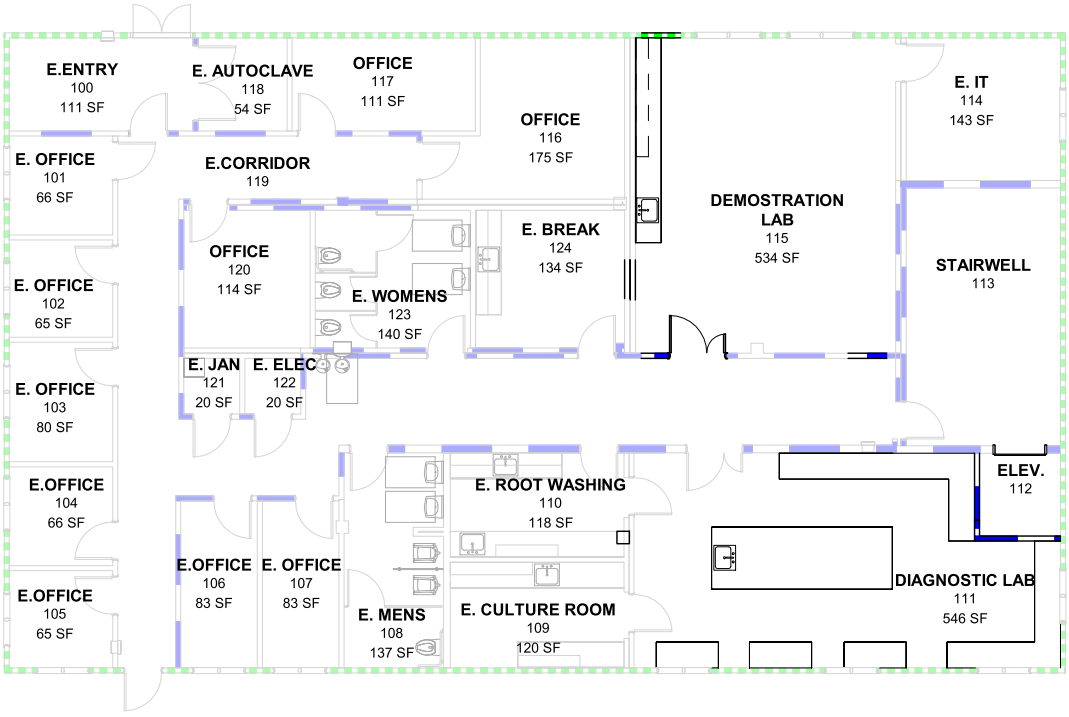
Added on second floor:

2 x unisex restrooms with toilet and sink

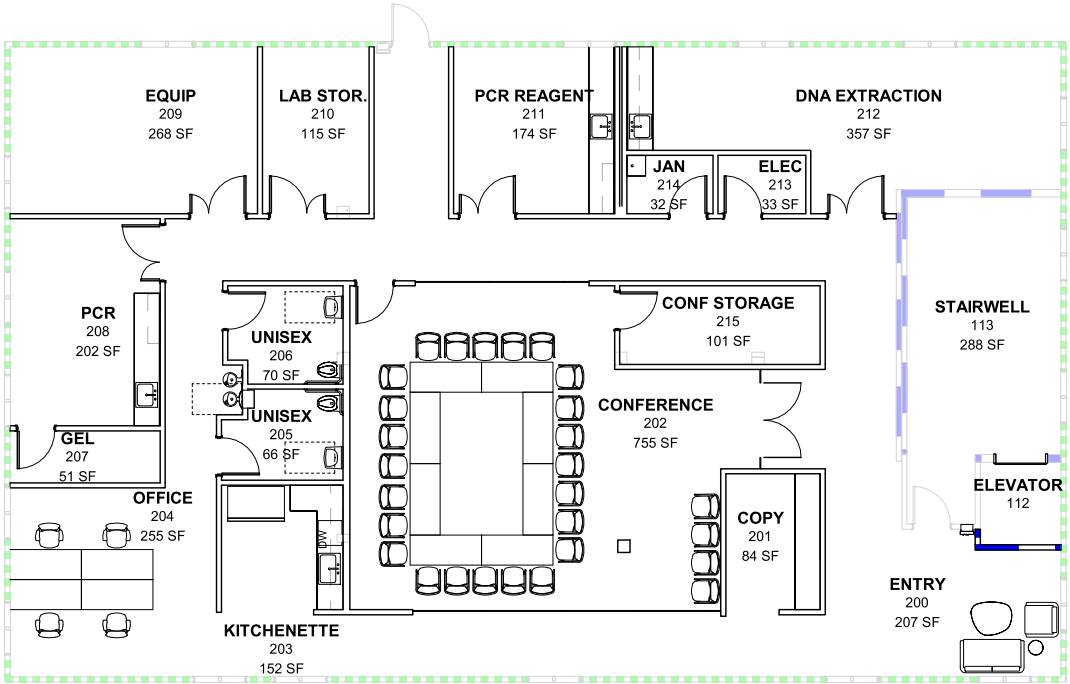
Kitchenette with sink and dishwasher

Water fountain (only if required by code)

The number of employees will not change. This second floor is allowing for more square footage and working space for the current employees, as existing lab spaces were designed too small to accommodate the increase in the number of samples being processed through the facility. Please call me with any questions. 704.202.7183.



FIRST FLOOR - OVERALL PLAN



SECOND FLOOR - OVERALL PLAN

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 COMMERCIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: 30011421 GWS File #: 5619B Tax Parcel #: 219-291-02

- 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):** 7/9/2025

Intallation Type: Commercail/Industrial - New System Business Type: Commercial

Facility Size (ft^2): 8000 # Employees/Shift: 6 # Shifts: 6

Wastewater Type: Sewage Water Supply: Private Well

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

Initial System Specifications:

Design Flow (gpd): 150 LTAR (gpd/ft^2): 0.2 Septic Tank Size (gal): 1000 Pump Tank Size (gal): N/A

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 562 Total Trench Length (ft): ~~186~~ 400 LF AB 7.14.20

Maximum Trench Depth (in): 12 Depth of Media (in): 8 Distribution Device: Distribution Box

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

Repair System Specifications:

Design Flow (gpd): 150 LTAR (gpd/ft^2): 0.1 Septic Tank Size (gal): 1000 Pump Tank Size (gal): 1000

Trench Width (ft): 12" Trench Spacing (ft): 2 Absorption Area (ft^2): 1500 Total Trench Length (ft): 500

Maximum Trench Depth (in): 6 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: April Bumgarner Owner/Legal Agent: KELBY FITE

Signature: April Bumgarner Signature: Kelby Fite

Print Name

Date Issued: 7/9/2020

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3205 Freedom Dr., Suite 8000 Charlotte, NC 28208
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IMPROVEMENT PERMIT for a COMMERCIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: 30011421 GWS File #: 5619B

IV. Permit Conditions/Comments:

- This type of repair system requires the installation of a pump tank and all associated components. This type of system will require routine inspections by our office. The system owner is responsible for all fees associated with these inspections.
- This type of repair system requires the property owner to obtain a contract with a Certified Operator to perform routine inspections and maintenance on the system.
- This type of repair system requires periodic inspections by our office The system owner is responsible for any fees, as determined by the Mecklenburg County Board of Commissioners, associated with this inspection.
- All components of the septic system must be installed in accordance with the required setbacks listed on the corresponding plot plan.
- All components of the septic system must be located at least 100 ft. (50 ft. minimum) from all private wells.
- All waterlines must be located a minimum of 10 ft. from any part of the septic 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 10 feet from any foundation drain.
- 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:

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Authorized Agent: April Bumgarner
Signature: April Bumgarner
Date Issued: 7/9/2020

Owner/Legal Agent: Kelly Fite
Print Name
Signature: Kelly Fite