



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

Permit #: **30007381**

GWS File #: **9152B**

Tax Parcel #: **003-371-06**

- This IMPROVEMENT PERMIT is subject to revocation if site plans or the intended use change. There is to be **NO** grading, filling, or disturbance of the soil in the area of the septic tank system or repair area.
- CONSTRUCTION AUTHORIZATION must be obtained prior to receiving a Building Permit. The Construction Authorization is **NOT** transferable. Do not clear, grade, fill or disturb soil prior to obtaining a Construction Authorization.
- Domestic-type wastewater only. No industrial process wastewater may be discharged into the system.

I. This Improvement Permit Shall: Expire in Five (5) Years

Expiration Date (If Applicable): 7/8/2020

Type of Installation: Residential - New System

Lot Number: 1

Structure Type: HOUSE

Size (ft²): 4900

Bedrooms: 5

Occupants: 10

Building Foundation: Basement With Plumbing

Water Supply: Private Well

II. Initial System Type: PPBPS (pressurized)

System Classification: IVa

Initial System Specifications:

Design Flow (gpd): 600

LTAR (gpd/ft²): .3

Septic Tank Size (gal): 1500

Pump Tank Size (gal): 1500

Trench Width (ft): 3

Trench Spacing (ft): 9

Absorption Area (ft²): 1000

Total Trench Length (ft): 333

Maximum Trench Depth (in): 31

Depth of Media (in): 22

Distribution Device: Manifold (LPP Distri

III. Repair System Type: PPBPS (pressurized)

System Classification: IVa

Repair System Specifications:

Design Flow (gpd): 600

LTAR (gpd/ft²): .3

Septic Tank Size (gal): 1500

Pump Tank Size (gal): 1500

Trench Width (ft): 3

Trench Spacing (ft): 9

Absorption Area (ft²): 1000

Total Trench Length (ft): 333

Maximum Trench Depth (in): 31

Depth of Media (in): 22

Distribution Device: Manifold (LPP Distri

IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

The undersigned, an authorized agent of the STATE OF NORTH CAROLINA, certifies that the Department is issuing an IMPROVEMENT PERMIT for the above referenced property. This permit is being issued in accordance with the *Laws and Rules For Sewage Treatment, and Disposal Systems* and is subject to the following provisions:

- No work shall be conducted on the septic system until a Pre-Construction meeting has been completed by the Department.
- The septic system installer shall be a licensed septic contractor with the North Carolina Wastewater Contractor Inspector Certification Board.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

Authorized Agent: Kim Garrett

Owner/Legal Agent: [Signature]

Signature: Kim Garrett, RAS

Signature: [Signature]

Print Name

Date Issued: 7/8/2015



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ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM**

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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 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.
- The septic system shall be installed in accordance with the plans submitted by the wastewater system design consultant.
- 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 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: Kim Garrett

Signature: Kim Garrett

Date Issued: 7/8/2015

Owner/Legal Agent: Paul Pennington

Signature: Paul Pennington

Print Name

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

July 2, 2015

Mr. Paul Penninger, LSS
S&ME, Inc.
8646 Market Street, Suite 105
Greensboro, NC 27409

Re: SFR Low Pressure PPBPS Distribution Septic System
Lot 1 Green Level Subdivision
Davidson, Mecklenburg County, NC


Dear Mr. Penninger,

At your request we have reviewed the design calculations for the proposed single family low pressure PPBPS distribution septic system intended to serve the above proposed residence. 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.

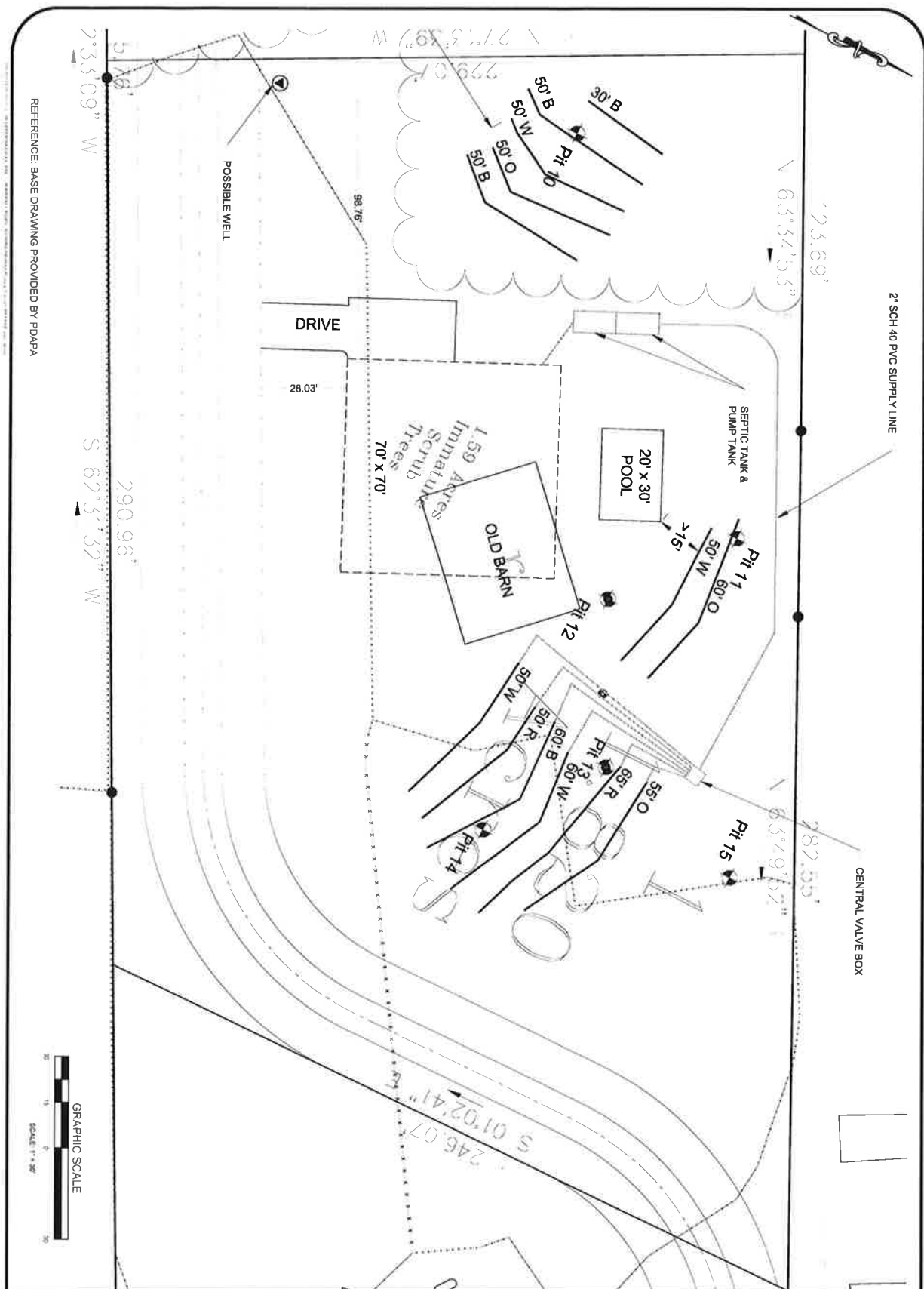
These comments and recommendations are based on observations made at the time of this review (July 2, 2015) and are limited to that discussed in this letter. Any conditions that may come forth and are different from that discussed herein should be reported to the Engineer for further evaluation. Any 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.
NC Registration No. 17327
President





REFERENCE: BASE DRAWING PROVIDED BY PDAPA



3718 OLD BATTLEGROUND ROAD
GREENSBORO, NC 27410
PH 336-288-7180
FAX 336-288-8880
WWW.SMEINC.COM

GOEHRING ESTATES, LLC			
GREEN LEVEL SUBDIVISION - LOT 1			
SHEARER RD, MECKLENBURG COUNTY, NC			
SCALE	DRAWN BY	CHECKED BY	
AS SHOWN	RDM	PGP	
JOB NO	DATE	FIGURE NO	
4358-14-125	JUNE 2015		