



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

Permit #: **30007383**

GWS File #: **9154B**

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: 3

Structure Type: HOUSE

Size (ft<sup>2</sup>): 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/ft<sup>2</sup>): .3      Septic Tank Size (gal): 1500      Pump Tank Size (gal): 1500

Trench Width (ft): 3      Trench Spacing (ft): 9      Absorption Area (ft<sup>2</sup>): 1000      Total Trench Length (ft): 333

Maximum Trench Depth (in): 32      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/ft<sup>2</sup>): .3      Septic Tank Size (gal): 1500      Pump Tank Size (gal): 1500

Trench Width (ft): 3      Trench Spacing (ft): 9      Absorption Area (ft<sup>2</sup>): 1000      Total Trench Length (ft): 333

Maximum Trench Depth (in): 32      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: 

Date Issued: 7/8/2015



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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.

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- The permitted system shall be installed in accordance with the included PLOT PLAN.
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Authorized Agent: Kim Garrett

Owner/Legal Agent: 

Signature: 

Signature: 

Date Issued: 7/8/2015

**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 3 Green Level Subdivision  
Davidson, Mecklenburg County, NC

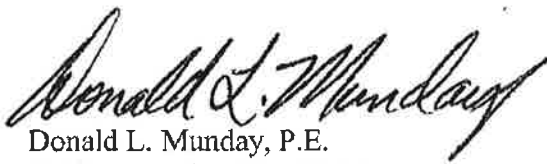
Dear Mr. Penninger,

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,

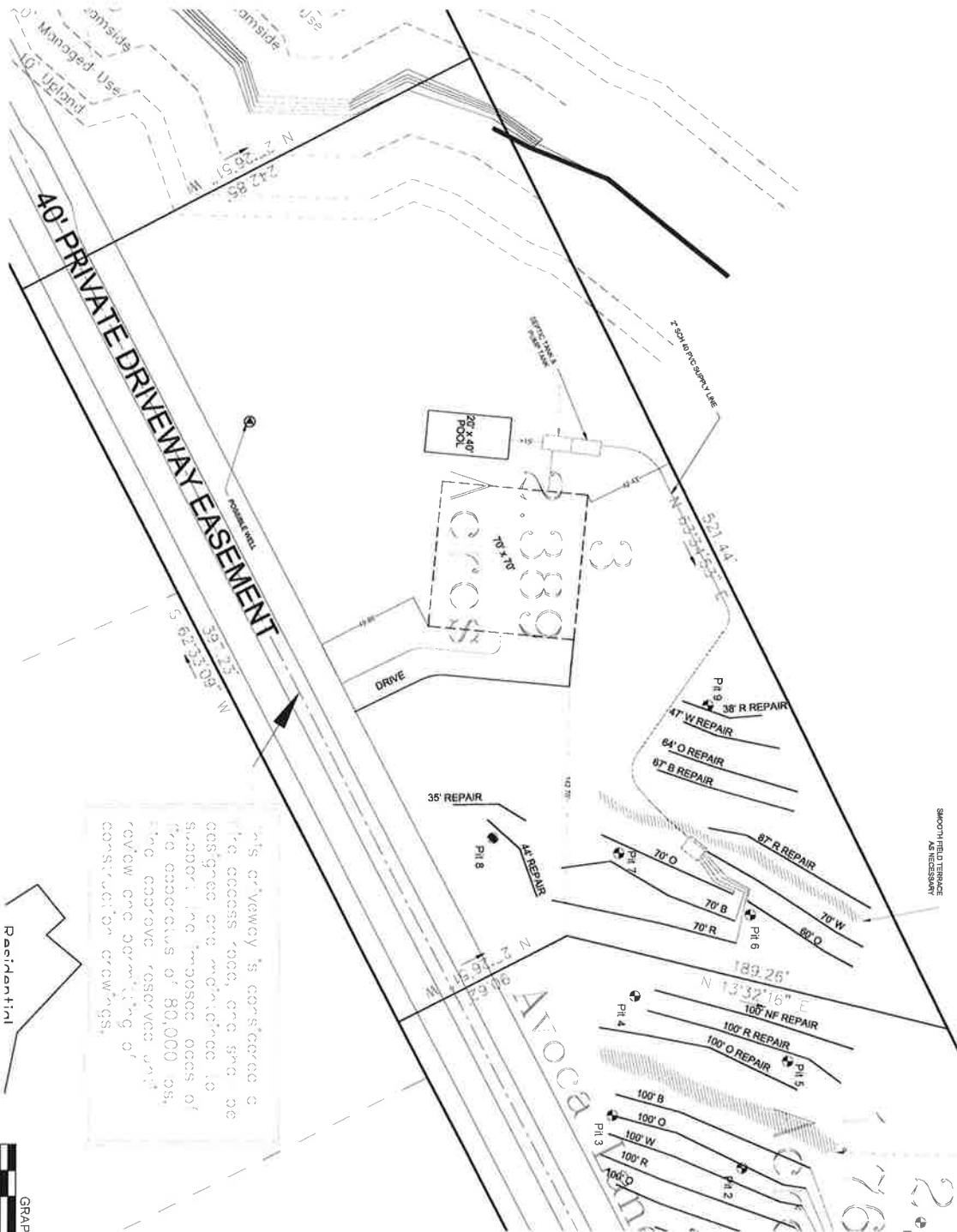
**Piedmont Design Associates, P. A.**



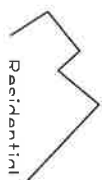
Donald L. Munday, P.E.  
NC Registration No. 17327  
President



REFERENCE: BASE DRAWING PROVIDED BY PLABA



THIS DRIVEWAY IS CONSIDERED A  
 PUBLIC DRIVEWAY AND SHALL BE  
 MAINTAINED AND REPAIRED AT  
 THE EXPENSE OF THE OWNERS OF  
 THE ADJACENT LOTS. THE  
 DRIVEWAY SHALL BE 40 FEET  
 WIDE AND 10 FEET DEEP AT  
 ALL TIMES. THE DRIVEWAY SHALL  
 BE PAVED WITH ASPHALT AND  
 SHALL BE MAINTAINED IN  
 ACCORDANCE WITH THE  
 REQUIREMENTS OF THE  
 TOWN OF GREENSBORO.



3718 OLD BATTLEGROUND ROAD  
 GREENSBORO, NC 27410  
 PH. 336-288-7180  
 FAX. 336-288-8590  
 WWW.SMEINC.COM

**GOEHRING ESTATES, LLC**  
 GREEN LEVEL SUBDIVISION - LOT 3  
 SHEARER RD, MECKLENBURG COUNTY, NC

SCALE	AS SHOWN	DRAWN BY	RDM	CHECKED BY	PGP
JOB NO	4358-14-125	DATE	JUNE 2015	FIGURE NO	