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Project Number: 22-0067

Date: 5/24/22

Joseph Pinchbeck

Attn: *Joseph Pinchbeck*

Email: sephpinchbeck@gmail.com

**Re: On-Site Wastewater Evaluation for a 3 Bedroom Residence on August Street,
Parcel: 37452092209, Conover, NC 28613.**

Joseph,

Soil & Forestry Services of the Carolinas, PA has performed a Preliminary Soil Evaluation on the above mentioned property in Catawba County, NC. The purpose of the evaluation was to determine soil suitability for a 3 bedroom onsite wastewater system. The evaluation was performed on May 23rd, 2022.

The findings from our evaluation are illustrated on the attached Soil Map. Soil boring locations, and usable soil boundary were located via GPS. This data was imported into the Catawba County GIS Parcel Data for the property and utilized to produce the Soil Map.

Soil/Site Suitability

Seven soil borings (B1 – B7) were performed to determine the overall soil suitability for an onsite wastewater system installation. Of these seven borings all were found to be provisionally suitable for Conventional, Modified Conventional and/or Accepted subsurface wastewater systems. Saprolite was encountered in B1 -B3. These soil profile descriptions are most similar to the Cecil or Pacolet Soil Series'. Recommended LTAR is 0.3-0.325gpd/ft². The square footage requirement for a 3 bedroom Conventional, Modified Conventional or Accepted System (system and repair) is 8,000 – 13,000. **We have determined that there is ~39,000 SF of usable soil to support a drainfield for a 3 BR residence. This is pending house placement, driveway and well are sited to preserve sufficient available space of usable soil. I would recommend staking a proposed new house location on the lot and performing an on-ground layout of system and repair to determine if it is feasible.**

Soil & Forestry Services of the Carolinas, PA has appreciates your business and looks forward to working with you in the future. Please let us know if you need any further assistance or have questions in regards to this project.

Thank you

S. Ashley Rollans

NC Licensed Soil Scientist #1231

See Attached: *Soil Map*