

Bureau of Environmental Health  
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*Peter Beilenson, M.D., M.P.H., Health Officer*

Date: 10/26/2007

To: Yu-fei Duan  
12693 Triadelphia Rd.  
Ellicott City, MD 21042

From: Gabe Creighton, Environmental Sanitarian  
Well and Septic Program

Re: B07004243 - ~~CANCELLED~~  
12693 Triadelphia Rd.  
Ellicott City, MD 21042  
Proposed Garage and Master Suite Addition

To Whom It May Concern:

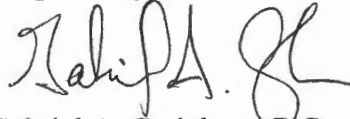
This department has received and reviewed the building permit application referenced above. Upon this review it has been determined that the improvements proposed by this building permit are not permissible without fulfilling additional requirements from this agency. Items listed are needed prior to permit approval.

1. Upon review of the Health Department's file for this property, it has been observed that the property does not have a septic reserve area on record. A septic reserve area is an area set aside on the property for the purpose of on site sewage disposal (septic) systems. A septic reserve area is required on all properties prior to approval of building permits for additions.
  - a. To obtain a septic reserve area, it will be necessary to perform percolation tests on the property. (see enclosed Application for Percolation Testing)  
A fee of \$506.00 is charged for this testing and the contractor/homeowner are responsible for hiring a backhoe and operator to be on-site at the time of the testing.
  - b. It is the standard practice of this department to attempt to obtain 10,000 square feet (100' x 100' or equivalent) of septic reserve area on lots established after 1972 or at least enough septic reserve for two (2) repair septic systems for lots established before 1972. Typically, five (5) passing percolation tests are needed to establish this area.
  - c. In order to establish a septic reserve area; after percolation testing is done, a percolation certification plan must be prepared and submitted for formal signature approval in this office (see the enclosed summary of Howard County Code Section 3.805).

2. The proposed addition adds a bedroom to the structure, whereas the existing septic system is sized for a three bedroom structure. The proposal will require the upgrade or replacement of the septic system to accommodate the fourth bedroom and current state and local regulations for septic systems.
3. A large portion of the property is mapped as a soil with potential for hydric inclusions, or "wet-season test" soils which means that any percolation tests proposed in that soil unit would have to be conducted during the time of year when the groundwater table is highest (Spring; with exact dates dependent on monitoring well data and rain fall). This soil map is included, and any proposed percolation tests are encouraged to be proposed outside of this area to avoid these complication.

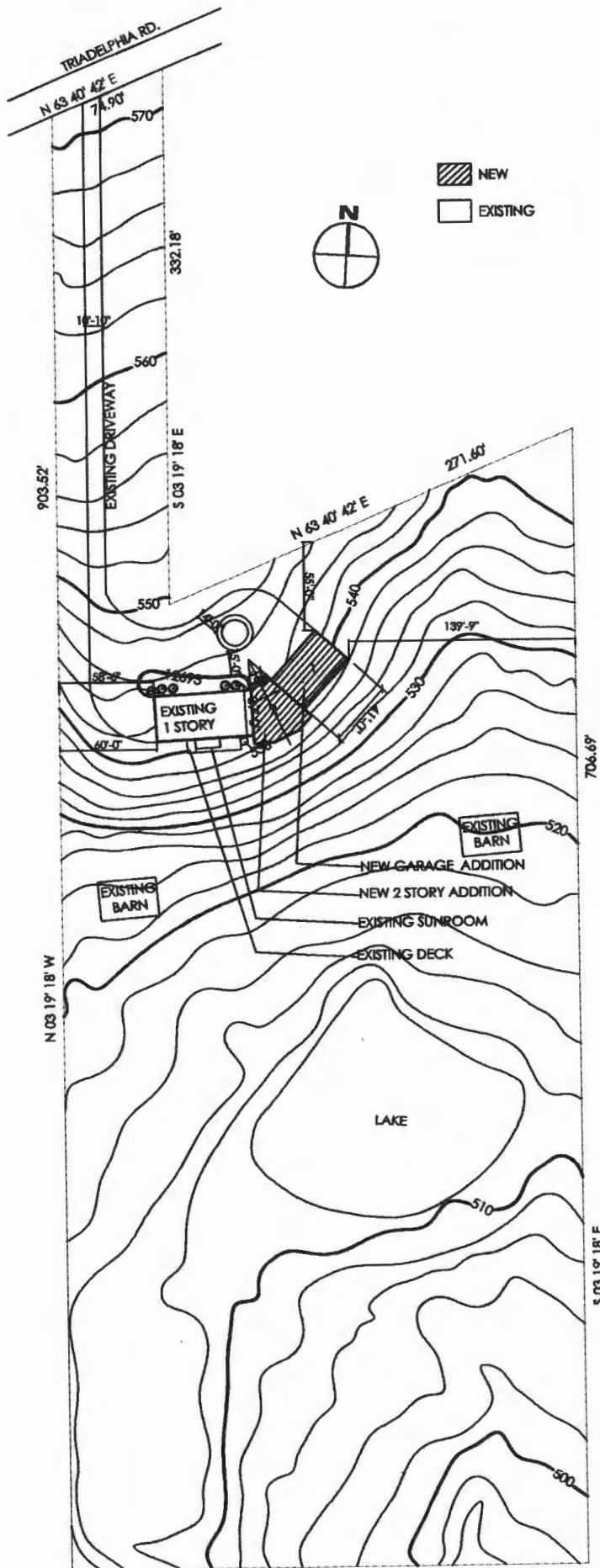
Upon receipt of this letter, you may respond in writing to the above address, or contact me directly at (410) 313-2775.

Respectfully,

A handwritten signature in dark ink, appearing to read "Gabriel A. Creighton". The signature is fluid and cursive, with the last name being particularly prominent.

Gabriel A. Creighton, R.S.  
Development Coordination Section  
Well and Septic Program

GAC/gac  
Enclosure(s)  
cc: File



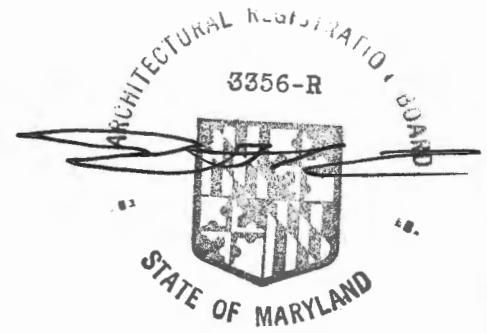
# NEW CONSTRUCTION

GARAGE AREA : 1040 sqft

1ST FL AREA : 991.5 sqft

2ND FL AREA : 545.9 sqft

TOTAL AREA : 2577.4 sqft



SITE PLAN  
SCALE: 1"=100'