

Ricky Holland
Precision Septic
554 Homestead Lane
Angier, NC 27501
919-639-8929

Property Address: 3017 Old Stage Road, Coats
Inspection For: Johnathan Wall

On October 26, 2019, I was at the property address above to perform an inspection on the existing septic system and determine functionality and information about what I find. Harnett County did not have a file on this property pertaining to the septic system and the existing well. The septic tank inlet compartment was already exposed upon my arrival. This end of the tank is about 6" below the existing grade so I located and dug out the outlet end of the tank that is about 12" below the existing grade. Both lids are intact and a column sample was retrieved that showed approximately 12-18" of sludge on the inlet side. The outlet compartment showed 12" of lower sludge. The concrete outlet tee has deteriorated and broken off at the water line. I located the large distribution box 4' out from the septic tank and dug this box up for inspection. The lid was removed in pieces and I noted three 4" outlet pipes. At this time, I started flowing water from a 275-gallon container that I brought. Water flow was positive from the tank to the box and out into the drain field. I located and flagged the 3x70' drain lines. These lines run towards the lower right rear property corner. The soil conditions are sandy textured and fairly easy to probe. The flow test was positive with no issues noted.

The bored well measured 98' to the inlet end of the septic tank. Communication with the general contractor about the grading resulted in suggestions about how to properly grade for storm water runoff to protect the septic system from the upper lot. There appears to be satisfactory repair area downslope from the existing system (assuming the soil conditions are suitable).

Summary Recommendations:

- Pump out the septic tank.
- Replace the concrete outlet tee with a filter tee.

- Grade soil away from the outlet end of the tank and distribution box area and add (2) 6" concrete access risers on the tank.
- Replace the distribution box.
- Remove berm at lower drain field line.
- Grade a swale and possibly a berm along right property line to divert storm water runoff from upper lot. Direct this runoff towards the right rear property corner without grading on top of the existing lines or allowing this water flow to be on top of the existing lines.
- During final grading, ensure positive runoff from the existing drain field lines.

Sincerely,

Ricky Holland

Precision Septic

NC Point of Sale Inspector License 1098i

NC Septic Installer License 1098

NC Pumper License NCS00803

NC Onsite Wastewater License SS15416

NC Plumbing License 11687