

Septic Report

Southeastern Soil & Environmental Associates, Inc.

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July 22, 2019

Ms. Donna Finders
American Acquisition Group, LLC
PO Box 10024
Wilmington, NC 28404

Re: Soil and site evaluation for subsurface waste disposal system location/repairs,
Revised report for parcel 234, I-5883, I-95 project, Harnett County, North Carolina

Dear Ms. Finders,

A revised soils investigation and septic system analysis has been completed for the aforementioned parcel at the owner's request. **The owner has advised that the current home is a 3 bedroom (not 4 bedroom) as discussed in our previous report (6/19/2019).** The subject site is located on the I-95 corridor near Dunn, NC as shown on attached map. The purpose of the investigation was to determine potential impacts to existing subsurface waste disposal systems from a NCDOT road widening project. In addition, a determination was to be made if repairs could be accomplished on the remaining property (if impacted). All ratings and determinations were made in accordance with "Laws and Rules for Sanitary Sewage Collection, Treatment, and Disposal, 15A NCAC 18A .1900".

Southeastern Soil and Environmental Associates, Inc. (SSEA) performed the additional soil evaluation and septic design in July 2019. SSEA traversed the property and observed existing system components, landforms (slope, drainage patterns, etc.) and soil conditions through the use of hand auger borings and/or soil probes. In addition, owner interviews were conducted to help locate system components.

Following is a revised summary of finding:

Parcel 234 (Donald Glen Hobson)

It appears that components of the existing waste disposal system (front of home) will be impacted by proposed DOT acquisitions (proposed R/W and PUE run through existing septic drainfield). There is sufficient soil and space on the remaining parcel to support a new septic system and repair area for the existing use (**3BR home**) if the existing well is removed (properly abandoned; home is currently connected to public water).

SOIL/SITE EVALUATION • SOIL PHYSICAL ANALYSIS • LAND USE/SUBDIVISION PLANNING • WETLANDS
GROUNDWATER DRAINAGE/MOUNDING • SURFACE/SUBSURFACE WASTE TREATMENT SYSTEMS, EVALUATION & DESIGN

The attached map shows the approximate usable soil area that could support a new septic system and new repair area (typically pump to 225 linear feet of an approved 25% reduction drainfield (gravelless)).

A proposed septic design is attached to this report. An improvement permit must be obtained from the Harnett County Health Department to verify that the proposed new septic system and new repair area will be permitted.

This report, of course, only represents my professional opinion as a licensed soil scientist. Should any other system components be identified, the results of this analysis may be inaccurate or need modification (sometimes buried components such as septic tanks, drainlines and/or wells cannot be seen or located). SSEA cannot guarantee or warrant that the local health department will concur with the findings of this report. I trust this is the information you require at this time.

Sincerely,



Mike Eaker
President



SOUTHEASTERN SOIL & ENVIRONMENTAL ASSOC., INC.

PROPOSED SUBSURFACE WASTE DISPOSAL SYSTEM DETAIL SHEET

SUBDIVISION: D.G. Hobson
pump to
INITIAL SYSTEM: APPROVED 25% REDUCTION
DISTRIBUTION: SERIAL
BENCHMARK: 100.0
NO. BEDROOMS: 3

LOT 140 George Perry Lee Rd
pump to
REPAIR APPROVED 25% REDUCTION
DISTRIBUTION SERIAL
LOCATION LEFT REAR CORNER
LTAR 0.4 GPD/FT²

LINE	FLAG COLOR	ELEVATION	LENGTH
1	O	99.84	55'
2	B	99.84	70'
3	O	99.75	80'
4A	B	99.67	20'
			<u>225'</u>
5B	B	99.67	65'
5	O/O	99.67	100'
6	B/B	99.58	100'
			<u>265' total</u>

Existing system

Repair with

BY M. FAUER

DATE 7/17/19

TYPICAL PROFILE (MOST LIMITING)

THERE SHALL BE NO GRADING,
CUTTING, LOGGING OR OTHER SOIL
DISTURBANCE IN SEPTIC AREA

- 0-14" SLAB (VF, w/g)
- 14-40" SCL (F; 16/16)
- 10" R 7/2 @ 27"

HEALTH DEPARTMENT USE ONLY.
DESIGNS DO NOT GUARANTEE FUNCTIONALITY.

INSTALL AT 14-15". ADD
3"-4" COVER AS NEEDED.
LANDSCAPE TO SHEED WATER

