

# Southeastern Soil & Environmental Associates, Inc.

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Fayetteville, NC 28311  
Phone/Fax (910) 822-4540  
Email mike@southeasternsoil.com

April 10, 2014

Ms. Sheryl Crouse  
Right of Way Consultants, LLC

Re: Revised soil and site evaluation for subsurface waste disposal system location/repairs, Parcel 023, TIP R-5523, Harnett Central Road (NCSR 2215), Harnett County, North Carolina

Dear Ms. Crouse,

An additional soils investigation and system analysis has been completed for the aforementioned parcel (after plan revisions by NCDOT). The subject site is located on Harnett Central Road as shown on attached map near Kipling, NC. The purpose of the investigation was to determine potential impacts to an existing subsurface waste disposal system from a NCDOT widening project. In addition, a determination was to be made if repairs could be accomplished on the remaining property (if deemed necessary). 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 these soil evaluations in April, 2014. SSEA traversed the properties, and observed existing system components, landforms (slope, drainage patterns, etc.) as well as soil conditions through the use of hand auger borings and/or soil probes. In addition, an owner interview was conducted to help locate system components, etc.

Following is a summary of findings:

## **Parcel 023 (Paul Cox - revised)**

It appears that the tank and portions of the existing drainlines (right side and front yard; 3 bedroom doublewide home) will be impacted by DOT acquisitions (closer than 10 feet).

Soils remaining on the residual lot (rear yard) have usable soil characteristics meeting current regulatory criteria. There appears to be sufficient space for a new conventional initial and repair system (may require additional pretreatment or other options for repairs) for the existing use.

A new septic tank (1000 gallon) and drainfield (180 linear feet of 25% reduction line) can be located on the property. Additional soil and space are available for additional repairs.

**This report, of course, only represents my professional opinion as a licensed soil scientist. Should any other wells or systems components be identified, the results of this analysis may be inaccurate or need modification (sometimes wells are buried and cannot be seen). Because of the possibility of unknown variables, the Harnett County Health Department should be consulted in order to obtain concurrence and proper permits prior to final closure of this project. 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.**

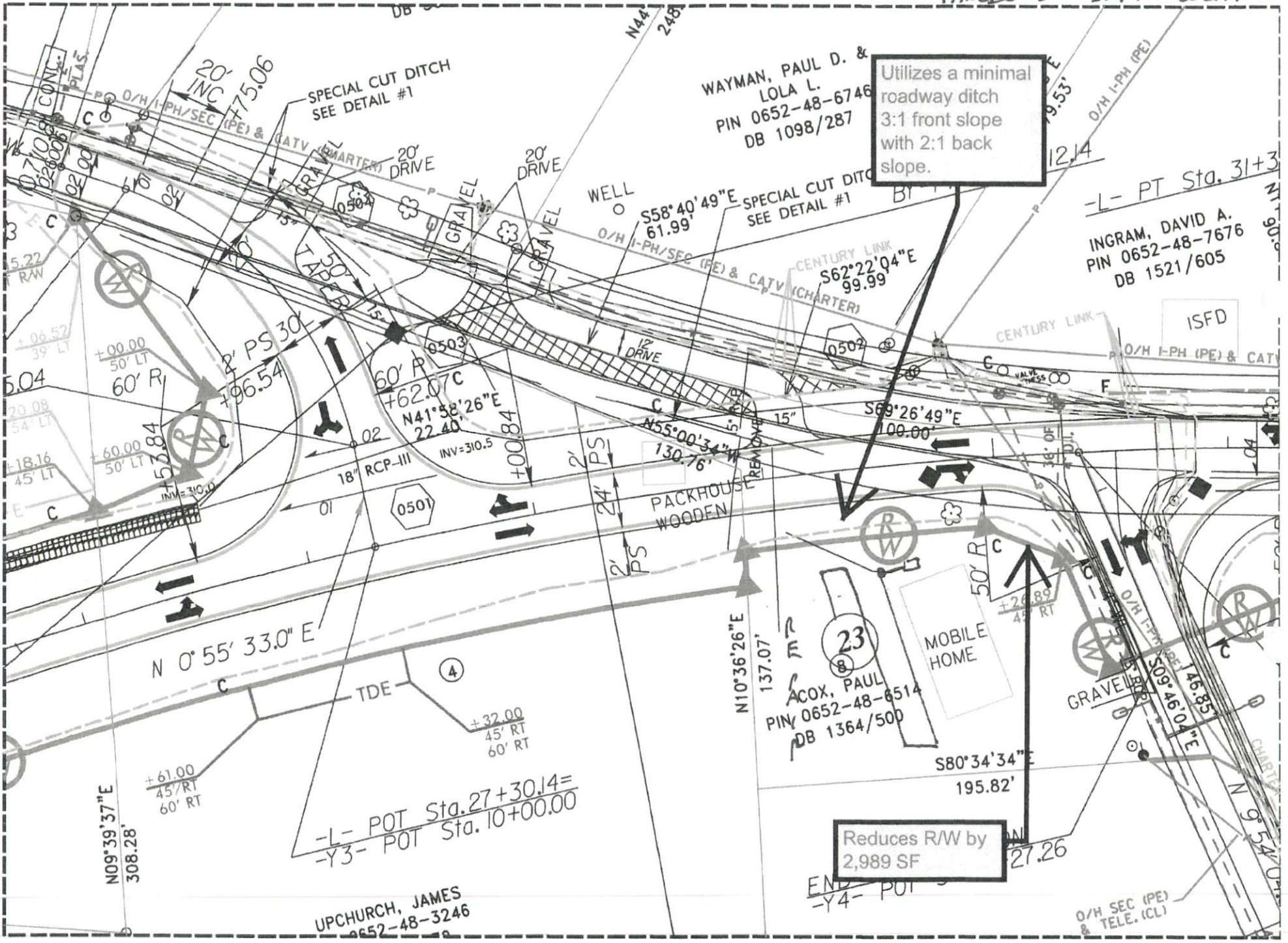
Sincerely,



Mike Eaker  
President



PARCEL 23 SEATTLE LOCATION



WAYMAN, PAUL D. &  
LOLA L.  
PIN 0652-48-6746  
DB 1098/287

Utilizes a minimal roadway ditch 3:1 front slope with 2:1 back slope.

INGRAM, DAVID A.  
PIN 0652-48-7676  
DB 1521/605

ACO, PAUL  
PIN 0652-48-6514  
DB 1364/500

Reduces R/W by 2,989 SF

UPCHURCH, JAMES  
0652-48-3246

-L- POT Sta. 27+30.14=  
-Y3- POT Sta. 10+00.00

O/H SEC (PE) & TELE. (CL)

END -Y4- POT

-L- PT Sta. 31+3

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MOBILE HOME

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