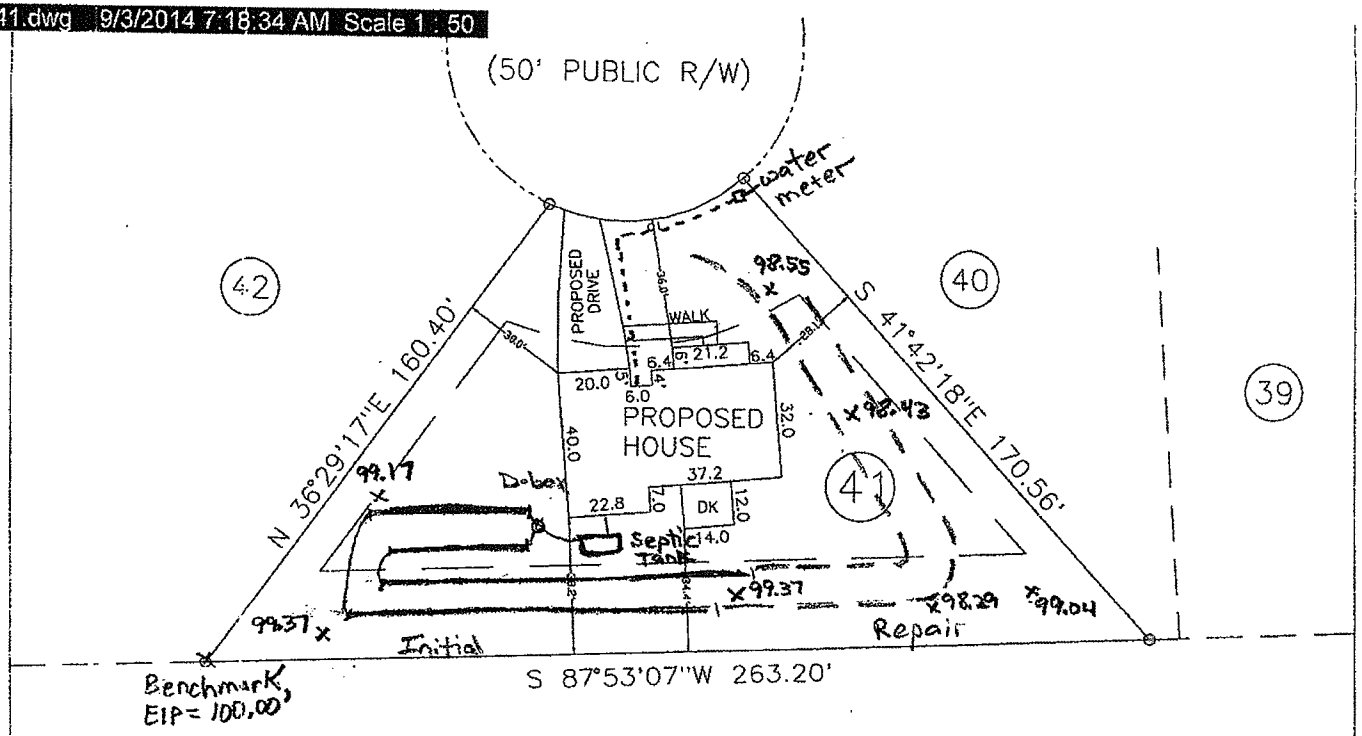
1160-41.dwg 9/3/2014 7:18:34 AM Scale 1 : 50



LAVERNE W. BAIN, et. al.
DB. 328, PG. 85
WILL BOOK 091E- 85

NOTE: SHOWN IS LOT 41 OF
MILL BRANCH S/D
REF: B.O.M.2006 PG.172-174

AREA = 0.461 ACRES

21 BALLARD'S MILL CT.

50 0 50 100 150
GRAPHIC SCALE - FEET

THIS IS TO CERTIFY THAT THIS MAP WAS PREPARED FROM AN ACTUAL SURVEY OF THE PREMISES, MADE UNDER MY SUPERVISION, AND THAT THERE ARE NOT ANY ENCROACHMENTS, EXCEPT AS NOTED TO THE BEST OF MY KNOWLEDGE. THAT THE RATIO OF PRECISION AS CALCULATED BY LATITUDES AND DEPARTURES IS 1:10,000. THIS MAP WAS PREPARED FOR TITLE COMPANY USE AND IS NOT INTENDED FOR RECORDATION OR CONVEYANCES WITHOUT WRITTEN AUTHORIZATION OF THE SURVEYOR AND OTHER APPROPRIATE OFFICIALS.

PROFESSIONAL LAND SURVEYOR
L-3247

PRELIMINARY PLAT
NOT FOR RECORDATION

PRELIMINARY PLOT PLAN FOR:

MICHAEL ANDERSON HOMES, INC.

HECTOR'S CREEK TWSP., HARNETT CO., N.C.
SCALE 1" = 50' SEPT. 02, 2014

MAULDIN - WATKINS SURVEYING, P.A.
P.O. BOX 444 / 1301 W. BROAD ST.
FUQUAY VARINA, NORTH CAROLINA 27526
(919) 552-9326 C-929

1160-41

HAL OWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS
P.O. Box 400, Lillington NC 27546-0400
Phone (910) 893-8743 / Fax (910) 893-3594
www.halowensoil.com

8 September 2014

Mr. Michael Anderson
Anderson Construction Inc.
3951 US 401 North
Fuquay-Varina, NC 27526

Reference: Septic System Design
Mill Branch Lot 41

Dear Mr. Anderson,

A site investigation was conducted on 4 September 2014 for the above referenced property, which is located at 21 Ballards Mill Court in the Hectors Creek Township of Harnett County, North Carolina. The purpose of the investigation was to determine the ability of this lot to support a subsurface sewage waste disposal system and 100 % repair area for a typical three-bedroom home. Public water supplies will be utilized for this lot. This report represents my professional opinion but does not guarantee or represent permit approval for any lot by the local Health Department.

The initial septic system is proposed as two 150-foot accepted status (EZ Flow or chamber) drainlines utilizing a long term application rate of 0.3 gal/day/ft^2 (see attached sketch) The drainlines should be installed off contour with trench depths starting at 18 inches below surface and deepening to about 21 inches. This portion of the lot is nearly flat (level). A soil investigation demonstrated the soils to be provisionally suitable to greater than 42 inches below ground surface. Adequate space is available to 100% repair the initial system in the front of the home and along the left side of the house using accepted status drainlines and a long term application rate of 0.3 gal/day/ft^2. The water meter is located in the left front corner of the lot, and the connection line to the house should be installed along the front property line and down the driveway to preserve the front yard for repair. One step-down appears to be needed between the initial system and the repair system. Several elevation points are shown on the attached map as references.

This report and the attached septic system design information will need to be submitted to the County Health Department for review and the permitting process. I appreciate the opportunity to provide this service and hope to be allowed to assist you again in the future. If you have any questions or need additional information, please contact me at your convenience.

Sincerely,

Hal Owen
Licensed Soil Scientist