



Level Four Soil Survey
4606 Windsor Dr
Hall County, Georgia

Nutter & Associates, Inc.
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Athens, GA 30606-2152

Nutter & Associates
ENVIRONMENTAL CONSULTANTS

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Boring	Soil Series	Slope %	Depth to Bedrock (feet)	Depth to Seasonal High Water Table (feet)	Absorption Rate at Recommended Trench Depth (in/hr)	Recommended Trench Depth (inches)	Suitability Code
B-1	Wedowee	3-5	>72	>72	60	18-24	A
B-2	Wedowee	5-15	>72	>72	60	18-24	A
B-3	Wedowee	5-15	>72	>72	60	18-24	A
B-4	Wedowee	5-15	66	>66	60	18-24	A
B-5	Wedowee	5-15	>72	>72	60	18-24	A
B-6	Loudburg Variant	5-15	45	>45	60	18-24	K
B-7	Loudburg	5-15	>72	>72	60	18-24	A
B-8	Wedowee Variant	5-15	51	>51	60	18-24	A

Soil Suitability Codes

A These soils are suitable for installation of on-site systems with proper system design, installation, and maintenance. Position of the site or other soil and landscape considerations may require the drain field area to be greater than the minimum and/or the drain field design to require equal distribution or level field distribution.

K These soils are suitable for installation of an on-site system. Shallow bedrock is common in this area and small areas of soil with shallow bedrock may occur as inclusions in the map units. Properties of the soil and site may require the drain field area to be greater than the minimum and/or the drain field design to require equal distribution or level field installation and use of an ATU or aerobic pretreatment unit.

General Notes

Soil test borings installed on the map were located using differential GPS data. Percent slope for each boring was measured using a Suunto clinometer. The property descriptions used for this investigation were taken from a survey performed by others.

This report is null and void if area is cut more than 24 inches or filled after the date of the fieldwork. All agricultural terraces, fill material, and areas located upgradient from concrete retaining wall should be avoided for absorption field installation. Areas located beyond the limit of study should not be considered for drain field installation without an additional study. Care should be taken by installer to avoid smearing of trench walls or improper installation, which can lead to system failures. Trench walls should be picked if possible. Areas which flood, have flooding potential, or which serve as drainage ways should not be used. All on-site surface drainage, subsurface drainage and water flow should be diverted from the primary and reserve septic drain field areas and from those installed on concrete slopes. Areas with slope greater than 25% may be unusable for septic systems if slope limitations are overcome by system design or by site modification (e.g. benching). Recommendations are based on full-length, equal distribution, conventional (gravel) systems.

Any alterations or additions made to this report without the written approval of Nutter & Associates (NAI) voids the certification of the report and removes any liability on the part of NAI associated with this project. This report is the professional opinion of NAI pertaining only to the classification and mapping of soils reported herein, and is not a guarantee of the performance of any waste water disposal system or the function of the installed absorption field. This report only certifies the soil types at a particular boring location and not the function of the installed septic system. NAI does not design, install, maintain, or permit on-site waste disposal systems. Soil recommendations are based upon soils as mapped on report date. All work meets or exceeds the Georgia Division of Public Health (DPH) minimum standards for soil evaluations for on-site sewage disposal systems. Your local environmental health department may view soil conditions differently. It has full authority and final jurisdiction for permitting on-site disposal systems in your area.

Project Description

- The proposed project is located on Windsor Drive, Lots 40 and 41 Kensington @ Royal Lakes. Royal Lakes LTD, LLC, Parway #7 is located to the west of the property, Lot 39 Kensington @ Royal Lakes is located to the south of the property. Windsor Drive is located to the east of the property and Sloan Mill Road is located to the north of the property. The property has an existing house and driveway located on it. Two small branches and a drainage ditch runs through the property. The project will consist of an addition being added to the existing residence, concrete driveway, and a new on-site septic system.
- The disturbance area will be located at the southwestern corner of the property. The total area of disturbance will be 0.19 acres. This property has an unnamed branch running along the dividing line between lots 40 and 41 and a wet weather branch which runs along the front of lot 40. These areas are to be protected by a 25' state buffer as measured from the point of wretched vegetation. Six Fence Sd1 Type C (double row) will be placed along the outside edge of this buffer to prevent sediment from leaving the site and a construction exit will be installed outside the undisturbed buffer to prevent mud from entering the branch and road way. The installation of the six fence and construction exit will take place prior to any land disturbing activities taking place. All Disturbed areas will be vegetated with temporary vegetation and then permanently vegetated as work is completed.
- The development does have state waters located on or within 200 feet of the project site requiring an undisturbed 25' state buffer as measured from the point of wretched vegetation.
- The development does not have wetlands located on or within 200 feet of the project site requiring an undisturbed 50' or 100' buffer.
- There will be no disposal of debris on site. All debris will be carried to a state approved site for disposal.
- Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wretched vegetation without first acquiring the necessary variances and permits.

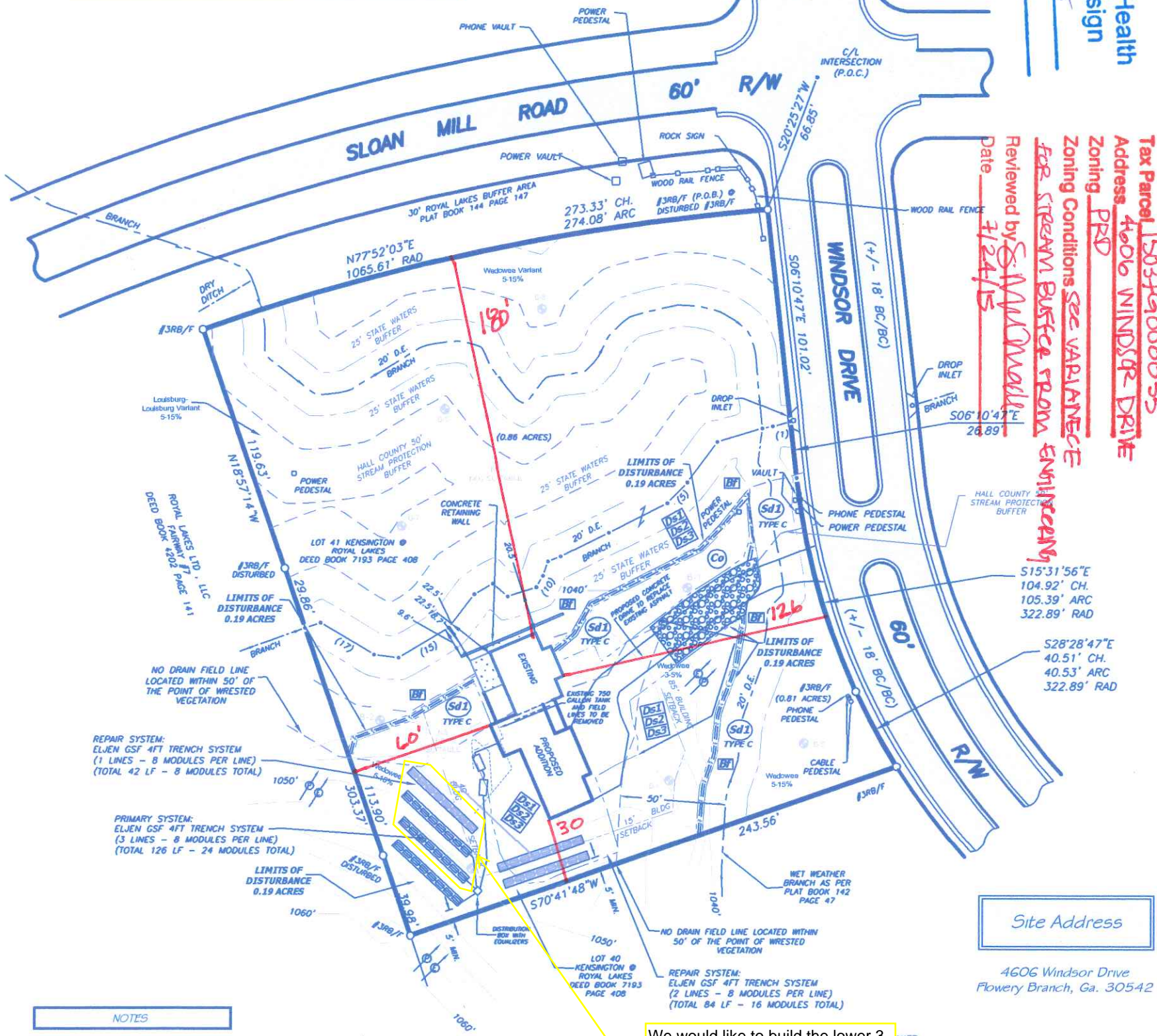
Certification

I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY DIRECT SUPERVISION.

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT CERTIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INDUSTRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1, 2008, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001.

BY: Dwight Kilby



NOTES

PROPERTY INFORMATION: FIELD RUN SURVEY.
TOPOGRAPHIC INFORMATION: HALL COUNTY GIS 2' CONTOURS.
SOIL INFORMATION: LEVEL 4 SOIL SURVEY PROVIDED BY NUTTER AND ASSOCIATES, INC. REFERENCE ACTUAL SOILS DELINEATION MAP AND REPORT FOR MORE INFORMATION AND CERTIFICATION.

1.67 ACRES TOTAL

RETRACEMENT SURVEY LOTS 40 AND 41 KENSINGTON @ ROYAL LAKES DEED BOOK 7193 PAGE 408

Site Address

4606 Windsor Drive
Flowery Branch, Ga. 30542

Owner / Developer
24 Hour Contact

Thomas N. True
4309 WINDER HIGHWAY
PHONE: 770-965-9700

Environmental Health
Approved Design

Date: 7-24-15

Tax Parcel 150379000055
Address 4606 WINDSOR DRIVE
Zoning PRD
Zoning Conditions See VARIANCE FOR STREAM BUFFER FROM ENGINEERING
Reviewed by S. McDowell
Date 1/24/15

General Notes

- THIS SURVEY RESERVES THE FOLLOWING EXCEPTIONS:
- OTHER FACTS OR CONDITIONS WHICH WOULD BE DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH.
 - RIGHT-OF-WAYS, EASEMENTS, APPARENT ENCROACHMENTS OR ANY FEATURE WITHIN, ALONG OR ADJACENT TO THE BOUNDARY NOT SHOWN HEREIN AND NOT PERTINENT TO THIS SURVEY.
 - THIS PLAT OR SURVEY IS FOR THE EXCLUSIVE USE OF THE PARTY OR PARTIES LISTED UNDER THE CAPTION "SURVEY FOR:" ANY THIRD PARTY USE TO BE AT THEIR OWN DISCRETION.
- THE FIELD DATA UPON WHICH THIS PLAT IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 18,472 FEET AND AN ANGULAR ERROR OF 3" PER ANGLE POINT AND WAS ADJUSTED USING NAD83 RULE.
- EQUIPMENT USED FOR MEASUREMENT:
ANGULAR: TCR-302
LINEAR: TCR-305
- THIS PLAT HAS BEEN CALCULATED FOR CLOSURE AND IS FOUND TO BE ACCURATE WITHIN ONE FOOT IN 18,472 FEET.

Legend

- STANDARD ABBREVIATIONS**
- - IRON PIN OR PIPE FOUND (TYPE AS NOTED)
 - - #4 REBAR SET CAPPED WITH LS NUMBER
 - - COMPUTED POINT
 - - MONUMENT FOUND (TYPE AS NOTED)
 - - MONUMENT SET (TYPE AS NOTED)
 - ▲ - P.I. NAIL
 - △ - FOUND
 - /S - SET
 - CON MON - CONCRETE MONUMENT
 - P.O.B. - POINT OF BEGINNING
 - P.O.C. - POINT OF COMMENCEMENT
 - C/L - CENTERLINE
 - D.E. - DRAINAGE EASEMENT
 - INT - INTERSECTION
 - R/W - RIGHT-OF-WAY
 - P/L - PROPERTY LINE
 - B/L - BUILDING LINE
 - BC - BACK OF CURB
- STANDARD SYMBOLS**
- - WATER METER
 - ⊕ - FIRE HYDRANT
 - ⊙ - POWER POLE
 - ⊖ - ELECTRICAL BOX
 - - PHONE POD
 - - CABLE POD
 - ⊕ - COMBINE

References

- DEEDS:**
- DEED BOOK 7193 PAGE 408
 - DEED BOOK 4202 PAGE 141
- PLATS:**
- PLAT BOOK 137 PAGES 124-125
 - PLAT BOOK 142 PAGE 47
 - PLAT BOOK 144 PAGE 147

SEPTIC SYSTEM NOTES

AN ENGINEERED SHALLOW ALTERNATIVE ON-SITE SEWER MANAGEMENT SYSTEM IS REQUIRED FOR WASTE WATER MANAGEMENT ON THIS SITE.

CALLS ALONG BRANCH

Course	Bearing	Distance
(1)	S74°08'33"W	8.65'
(2)	S79°14'25"W	5.08'
(3)	S73°00'15"W	22.15'
(4)	S36°45'37"W	23.88'
(5)	S43°52'18"W	13.67'
(6)	S62°58'26"W	31.08'
(7)	S63°39'41"W	25.50'
(8)	S67°56'04"W	6.50'
(9)	S19°37'12"W	7.30'
(10)	S29°38'28"W	6.15'
(11)	S72°11'06"W	14.23'
(12)	N49°28'57"W	9.27'
(13)	S59°23'25"W	10.04'
(14)	S37°39'05"W	19.92'
(15)	S58°58'51"W	27.51'
(16)	N82°59'27"W	11.66'
(17)	N59°25'03"W	29.54'
(18)	S70°23'47"W	7.68'

1/06/2014

DRAWING # 13090001_PROPOSED SEPTIC

JOB # 13090001

SITE PLAN FOR: **Thomsa N. True**

G.M.D. 385 OF THE HEADRIGHTS SECTION HALL COUNTY, GEORGIA

Thomsa N. True

Dwight Kilby
Design Professional
Certification Number 120

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