

SOILS & DRAINFIELD
ANALYSIS of VIRGINIA LLC
11101 River Road – Chesterfield, Va. 23838
(804) 586-5643 Fax (804) 504-5696

AOSE / PE Report For
Certification Letter

PROPERTY & LOCATION INFORMATION:

Champion Forest Shores Subdivision, Lot # 23 and a portion of Lot # 24 for drainfield easement. T.M. # 203A1- ((1)) -23; Lacrosse District, Mecklenburg County, Va.

Application or Client and Address:

American Timberland Company
P.O. Box 430
Alberta, Va. 23821

Prepared by AOSE/PE:

William W. Hopson

Date of Report: May 28, 2009

AOSE/PE Job Number: 09-0040-05

Revision Date:

Health Dept. ID No.:

Contents/Index of Report:

Page 1: Cover Page as Required by VDH

Page 2: Date, Owner, Location Info, General Info, Drainfield Construction Specs, Percolations Lines and Absorption Area

Page 3: Site and Soil Info, Abbreviated Design

Page 4: Soil Profile Descriptions

Page 5: Soil Profile Descriptions

Page 6: Site Sketch

Page 7: Survey Plat

Certification Statement(s):

I hereby certify that the evaluation and / or design contained herein were conducted in accordance with the Sewage Handling and Disposal Regulations (12 VAC 5-610) the Private Well Regulations (12 VAC 5-615) and other applicable polices of the Virginia Department of Health. Furthermore, I certify that my evaluation and/or design contained herein comply with all applicable laws, regulations and policies implemented by the Virginia Department of Health.

Stamp & Signature

Date: May 28, 2009



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Drainfield Certification Letter
Mecklenburg County Health Department
Health Department ID Number: _____

DATE: May 28, 2009

OWNER/AGENT:

American Timberland Company
P. O. Box 430
Alberta, Va. 23821

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WATER SUPPLY: Public Water Supply

GENERAL INFORMATION:

Type of Use: New 3 Bedroom Single Family Home With No Basement
Daily Flow: 450 gpd
System Type: Type II, Conventional In-Ground Pump System

SITE & SOIL INFORMATION:

Parent Material: soils are residual, weathered granite of the Piedmont Physiographic Province
Description of landscape: upland, sideslope; linear-linear; open area

Slope: 4-6 %

Depth to Cr or Rock: N/A

Depth to impervious strata: N/A

Depth to Redox mottles: None Depth to Chroma II mottles: None

Free Water Present: From to None X

Soil Percolation Rate: 50 min/in (estimated)

Texture Group: III

Site Evaluated By: William W. Hopson

Date of Evaluation: May, 2009



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ABBREVIATED DESIGN FORM:

Design Basis:

Estimated Percolation Rate: 50 mpi
Square Feet Required Per Bedroom: 376
Number of Bedrooms: 3
Total Square Footage Required: 1,128

Design Calculations:

Number of Trenches: 6
Length of Trenches: 63'
Width of Trenches: 3'
Center to Center Spacing: 9'
Installation Depth: 90"
Total Square Footage in Design: 1,134

Area Documented (total footprint): 90' x 100' = 9,000 sq. ft.
Area Required (total footprint): 48' x 63' = 3,024 sq. ft.

Reserve Drainfield Required: Yes No

Proposed Reserve: In-Ground Advanced Secondary Pretreated Drainfield

Estimated Percolation Rate: 50 mpi
Loading Rate = .89
Square Footage Required: 450gal/.89 = 507
Proposed Layout: 2 x 85 x 3' = 510 sq. ft.
Depth of Install: 90"

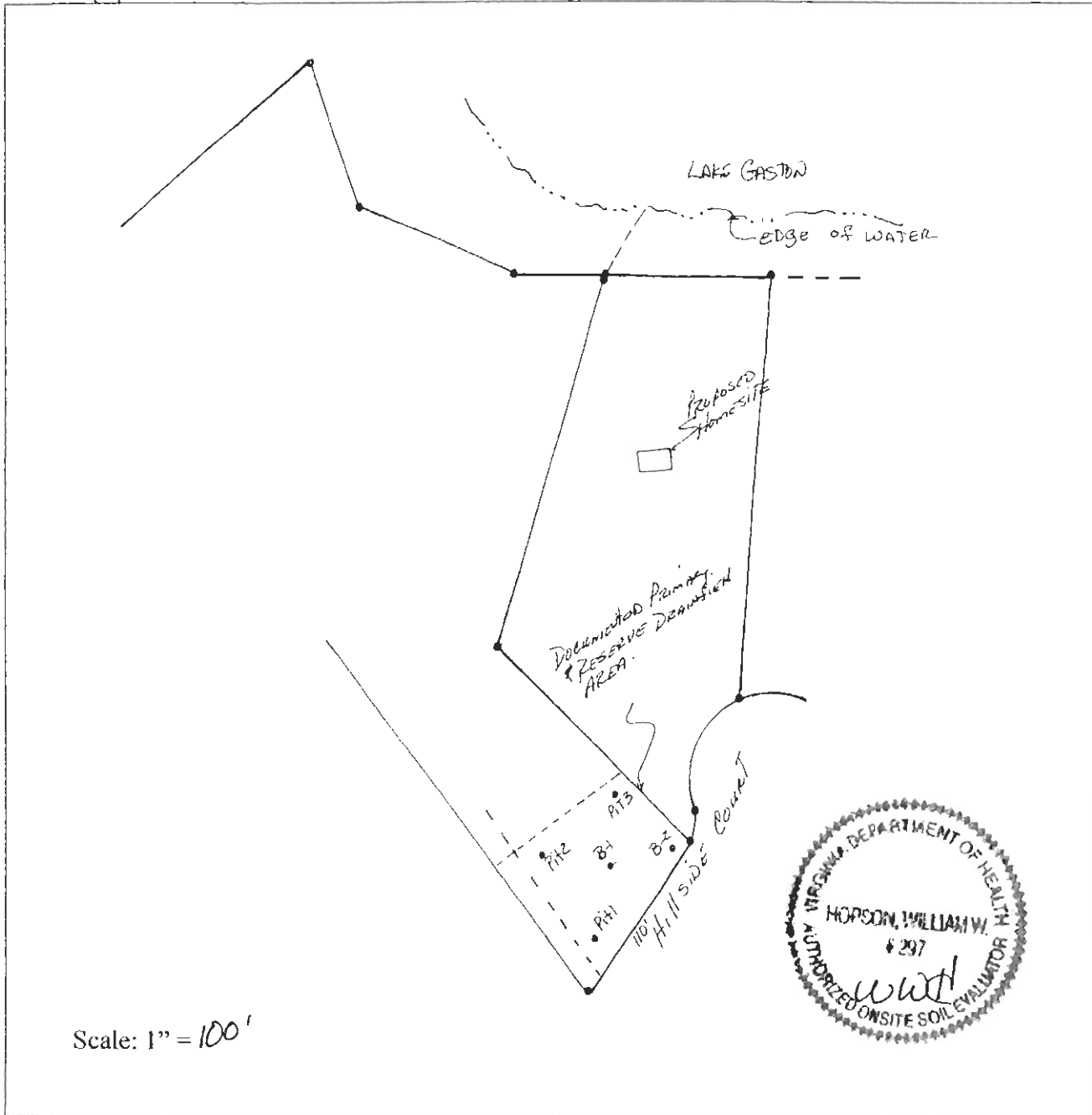
Area Documented (total footprint): 90' x 100' = 9,000 sq. ft.
Area Required (total footprint): 12' x 85' = 1,020 sq. ft.



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SITE SKETCH:

This site sketch includes existing and/or proposed property lines, primary and reserve drainfield areas, proposed building location, driveway, well and soil evaluation borings. This site sketch also includes any observed structures, wells or drainfields within 200' of the proposed area.



247-9379

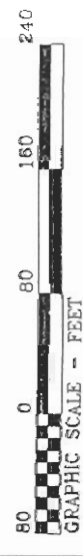
PLAT OF SURVEY FOR
AMERICAN TIMBERLAND

BEING LOT 24 AND A PORTION
 OF LOT 23 SECTION 1 IN
 CHAMPION FOREST SHORES SUBDIVISION
 LACROSSE MAGISTERIAL DISTRICT
 MECKLENBURG COUNTY, VIRGINIA
 SCALE 1" = 80'
 APRIL 17, 2009
 LEGAL REF.: INSTR. NO. 070001468
 PLAT REF.: P.B. 3 PG. 2
 P.D.B. 592 PG. 140
 P.D.B. 315 PG. 227

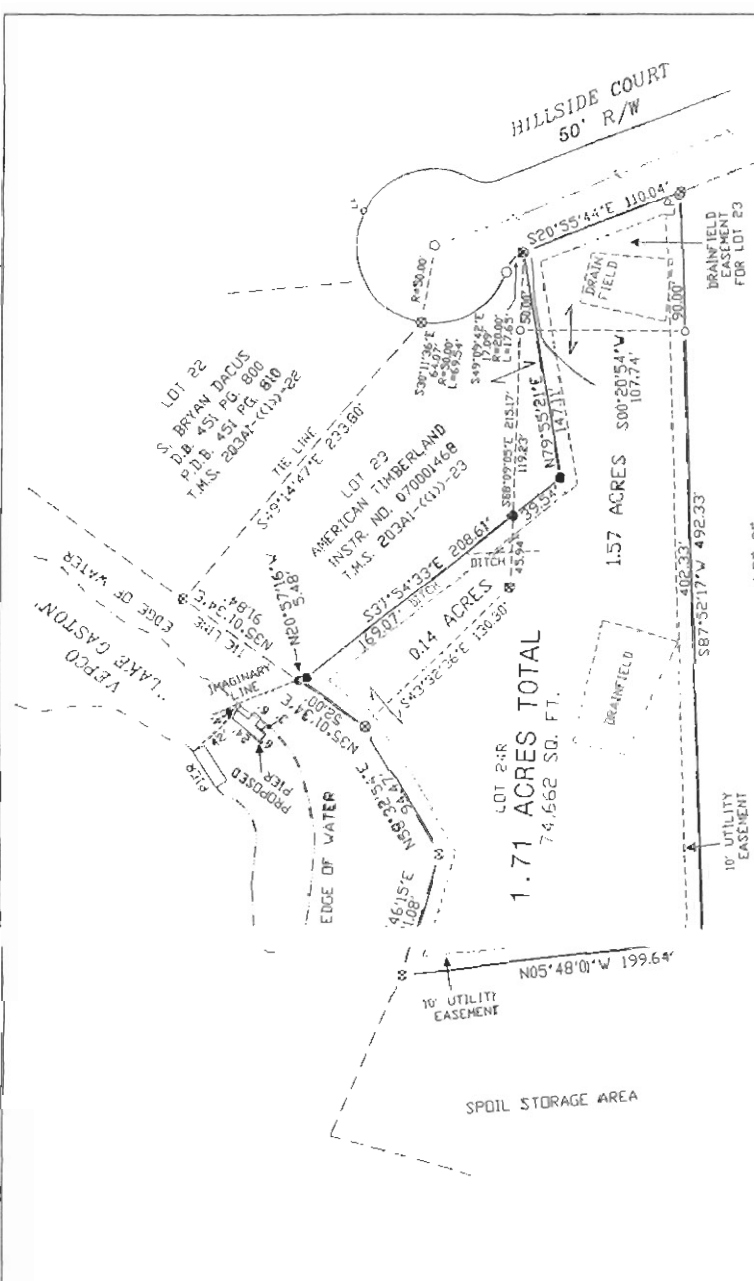
TAX MAP SEC. 203A1-(11)-24
 PLAT REVISED MAY 1, 2009
 TO SHOW DRAINFIELD LOCATIONS.

NOTE:
 THIS PLAT IS SUBJECT TO ALL EASEMENTS,
 AGREEMENTS, AND RIGHT-OF-WAYS OF RECORD
 PRIOR TO THE DATE OF THIS PLAT.

NOTE:
 0.14 ACRES, A PORTION OF T.M.S. 203A1-(11)-23
 TO BE COMBINED WITH 1.57 ACRES, T.M.S. 203A1-(11)-24
 AND BEING 1.71 ACRES TOTAL



		JAMES T. BRADLEY, L.S. 2389 LAKE GASTON DRIVE GASSBURG, VA 23057 434-577-9650
		JAMES T. BRADLEY, L.S. 001995



LOT 25
 WILLIAM F. PERRY, SR.
 HERSCHEL M. PERRY
 INSTR. NO. 050003097
 T.M.S. 203A1-(11)-25

- LEGEND
- REBAR SET
 - REBAR FOUND
 - IRON PIPE FOUND
 - R/W --- RIGHT OF WAY
 - CENTERLINE
 - LIGHT POLE
 - OVERHEAD LIGHT LINE
 - TAX MAP SECTION
 - S.B.L. --- SET BACK LINE

FLOOD NOTE: ZONED C - Areas of
 minimal flooding. (No shading)
 COMMUNITY-PANEL NUMBER: 510189 0200
 EFFECTIVE DATE: AUGUST 15, 1978

I HEREBY CERTIFY THAT THIS BOUNDARY
 SURVEY TO THE BEST OF
 MY KNOWLEDGE AND BELIEF IS CORRECT
 AND COMPLIES WITH MINIMUM
 PROCEDURES AND STANDARDS ESTABLISHED
 BY THE VIRGINIA STATE
 BOARD OF ARCHITECTS, PROFESSIONAL ENGINEERS,
 LAND SURVEYORS,
 AND CERTIFIED LANDSCAPE ARCHITECTS.

James T. Bradley
 JAMES T. BRADLEY, L.S.
 001995

FILE: UPTN409A-1