

BRIAN L. HEWITT ENGINEERING L.L.C.

Site Evaluation Report

February 3, 2009

Job # 09-010.2

Property Address: Near 2145 Spirit Lake Hwy. Castle Rock, Washington 98611

Parcel Number: Portion of WF0604002

Applicant Name: Vicky Howard, 1445 Schaffran Rd. Castle Rock, Washington 98611

Number of Bedrooms for Septic Design: 4

Acres: 2.22

Site Characteristics

General Topographic Characteristics: Sequest Silt Loam

Drainage Characteristics: Well Drained

Slopes: General: 0-8 % Proposed Drainfield Location: 6 %

Geology: Type of Bedrock & depth: 36" in Primary Area

Vegetation: Briers

Distance to, and type of, nearest surface water: None
(If less than 250 ft.)

Distance to nearby wells: Public Water

Distance to public Sewers: None

Other Structures on Property: shop

Engineer's statement regarding type of system required:

Based upon the soil analysis performed January 30, 2009 it is my determination that the primary on-site sewage system is approved for a Pressure Distribution system.

The primary Drainfield area will require 1,200 sq. ft. (of Drainfield) minimum and 3,181 sq. ft. (land area) or 64 ft. by 50 ft.

The reserve area is approved for a Pre-Treatment Level B system followed by a Pressure Distribution system and will require 1,200 sq. ft. (of Drainfield) minimum and 3,181 sq. ft. (land area) or 64 ft. by 50 ft.

Submitted by: Brian L. Hewitt P.E. # 29393

Date: February 3, 2009

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BRIAN L. HEWITT ENGINEERING L.L.C.

Soil Evaluation Report

February 3, 2009

Job # 09-010.2

Property Address: Near 2145 Spirit Lake Hwy. Castle Rock, Washington 98611

Parcel Number: Portion of WF0604002

Applicant Name: Vicky Howard, 1445 Schaffran Rd. Castle Rock, Washington 98611

Section 6 Township 9N Range 1W Tax Lot #

Subdivision Number Lot 2 of 3

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Soil Information

09020118

As mapped by U.S. Soil Conservation Service (S.C.S.): Seaquest Silt Loam

Soil Profile:

<u>Test Hole #1</u>	<u>Depth</u>	<u>Description</u>	<u>Comments</u>
	0-10"	Silt Loam (sil)	Dark Brown sbk/2/m
	10-26"	Silty Clay Loam (sicl)	Brown pr/2/m
	26-40"	Silty Clay Loam (sicl)	Multi pr/1/m.
	Roots to 16"	Moderate Mottling at 26"	No Water
<u>Test Hole #2</u>	0-16"	Silt Loam (sil)	Dark Brown sbk/2/m
	16-42"	Silty Clay Loam (sicl)	Brown pr/2/m
	42-50"	Silty Clay Loam (sicl)	Multi pr/1/m
	Roots to 42"	Moderate Mottling at 42"	No Water
<u>Test Hole #3</u>	0-9"	Silt Loam (sil)	Dark Brown sbk/2/m
	9-30"	Silty Clay Loam (sicl)	Brown pr/2/m
	30-48"	Silty Clay Loam (sicl)	Multi pr/1/m
	Roots to 26"	Moderate Mottling at 30"	No Water
<u>Test Hole #4</u>	0-12"	Loam (l)	Dark Brown sbk/2/m
	12-36"	Cobbly Silty Clay Loam (cbsicl)	Brown pr/2/m
	36"+	Fractured Rock	
	Roots to 36"	No Mottling	No Water
<u>Test Hole #5</u>	0-14"	Loam (l)	Dark Brown sbk/2/m
	14-36"	Very Cobbly Silty Clay Loam (vcbsicl)	Brown pr/2/m
	36"+	Fractured Rock	
	Roots to 36"	No Mottling	No Water

Maximum Seasonal Groundwater Elevation:

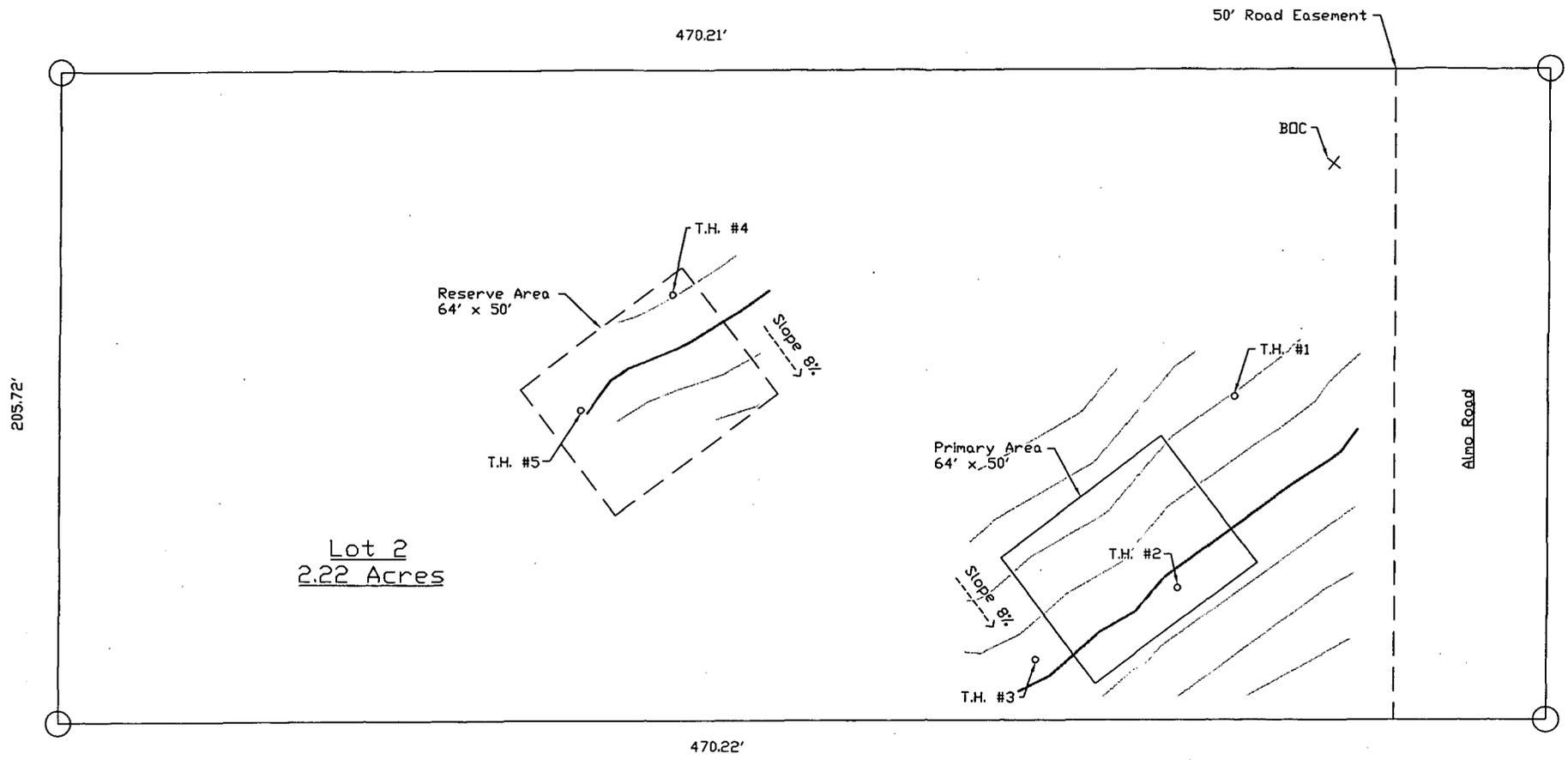
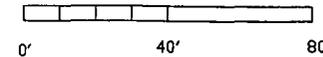
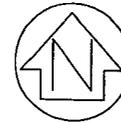
Soil Mottling: Moderate at 26-42" in reserve area only. WAC Soil Classification: Type 5
(Depth and degree of development) (1A,1B,2A etc.)

Hydraulic Loading Rate: 0.40 gallons/sq ft/day

Water Table: None noted
(depth to standing water)

Additional Comments:



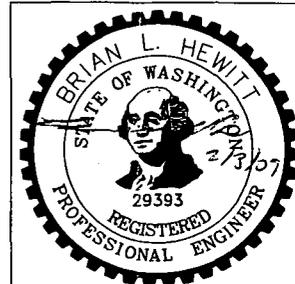


Lot 2
2.22 Acres

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PLOT PLAN



Vicky Howard Lot 2
2145 Spirit Lake Highway
Castle Rock, Washington 98611
Brian L. Hewitt Engineering L.L.C.
3025 Maple St.
Longview, Washington 98632
Cell: 360.751.3751 Fax: 360.425.2255
e-mail: Hewitt.Engineering@comcast.net

Date: 02/03/09 Job #09-010.2

Scale: 1"=40'-0" Sheet M-X