

1010 Bayswater Rd

BRIAN L. HEWITT ENGINEERING L.L.C.

Site Evaluation Report

October 23, 2007

Job # 05-304.9B

Property Address: Lot 9B (North division) Bayswater Rd. Ariel, Washington 98603

Parcel Number: Portion of EM2404016

Applicant Name: Brad Thomas, 11100 NE Highway 99 Vancouver, Washington 98686

Number of Bedrooms for Septic Design: 4 Lot 9B Acres: 5.01

Site Characteristics

General Topographic Characteristics: Cinebar Silt Loam

Drainage Characteristics: Good, no surface water

Slopes: General: 5-20 % Proposed Drainfield Location: 15 %

Geology: Type of Bedrock & depth: None

Vegetation: Scrub brush

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

Distance to nearby wells: 180'

Distance to public Sewers: None

Other Structures on Property: None

Engineer's statement regarding type of system required:

Based upon the soil analysis performed July 13, 2007 it is my determination that the primary on-site sewage system is approved for a Standard Gravity system using Serial Distribution for the drainfield.

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 Standard Gravity 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 Expires 5/1/09
Date: October 24, 2007

RECEIVED
MAR 03 2008
COWLITZ COUNTY
BUILDING & PLANNING



EXPIRES 5/1/09



BRIAN L. HEWITT ENGINEERING L.L.C.

Soil Evaluation Report

October 23, 2007

Job # 05-304.9B

Property Address: Lot 9B (North division) Bayswater Rd. Ariel, Washington 98603

Parcel Number: Portion of EM2404016

Applicant Name: Brad Thomas, 11100 NE Highway 99 Vancouver, Washington 98686

Section 24 Township 6N Range 3E Tax Lot # T-13A

Subdivision Number Lot 9B

Soil Information

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

Soil Profile:

	<u>Depth</u>	<u>Description</u>	<u>Comments</u>
<u>Test Hole #1</u>	0-24"	Silt Loam (sil)	Dark Brown sbk/2/m
	24-60"	Silt Loam (sil)	Brown sbk/2/m
	Roots to 36"	No Mottles	No Water
<u>Test Hole #2</u>	0-30"	Silt Loam (sil)	Dark Brown sbk/2/m
	30-65"	Silt Loam (sil)	Brown sbk/2/m
	Roots to 45"	No Mottles	No Water
<u>Test Hole #3</u>	0-24"	Silt Loam (sil)	Dark Brown sbk/2/m
	24-60"	Silt Loam (sil)	Brown sbk/2/m
	Roots to 60"	No Mottles	No Water
<u>Test Hole #4</u>	0-24"	Silt Loam (sil)	Dark Brown sbk/2/m
	24-60"	Silt Loam (sil)	Brown sbk/2/m
	Roots to 60"	No Mottles	No Water

Maximum Seasonal Groundwater Elevation:

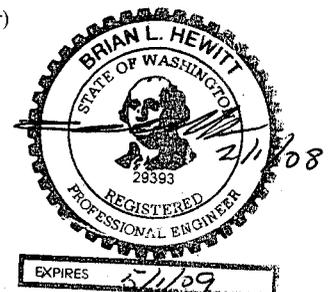
Soil Mottling: None
(Depth and degree of development)

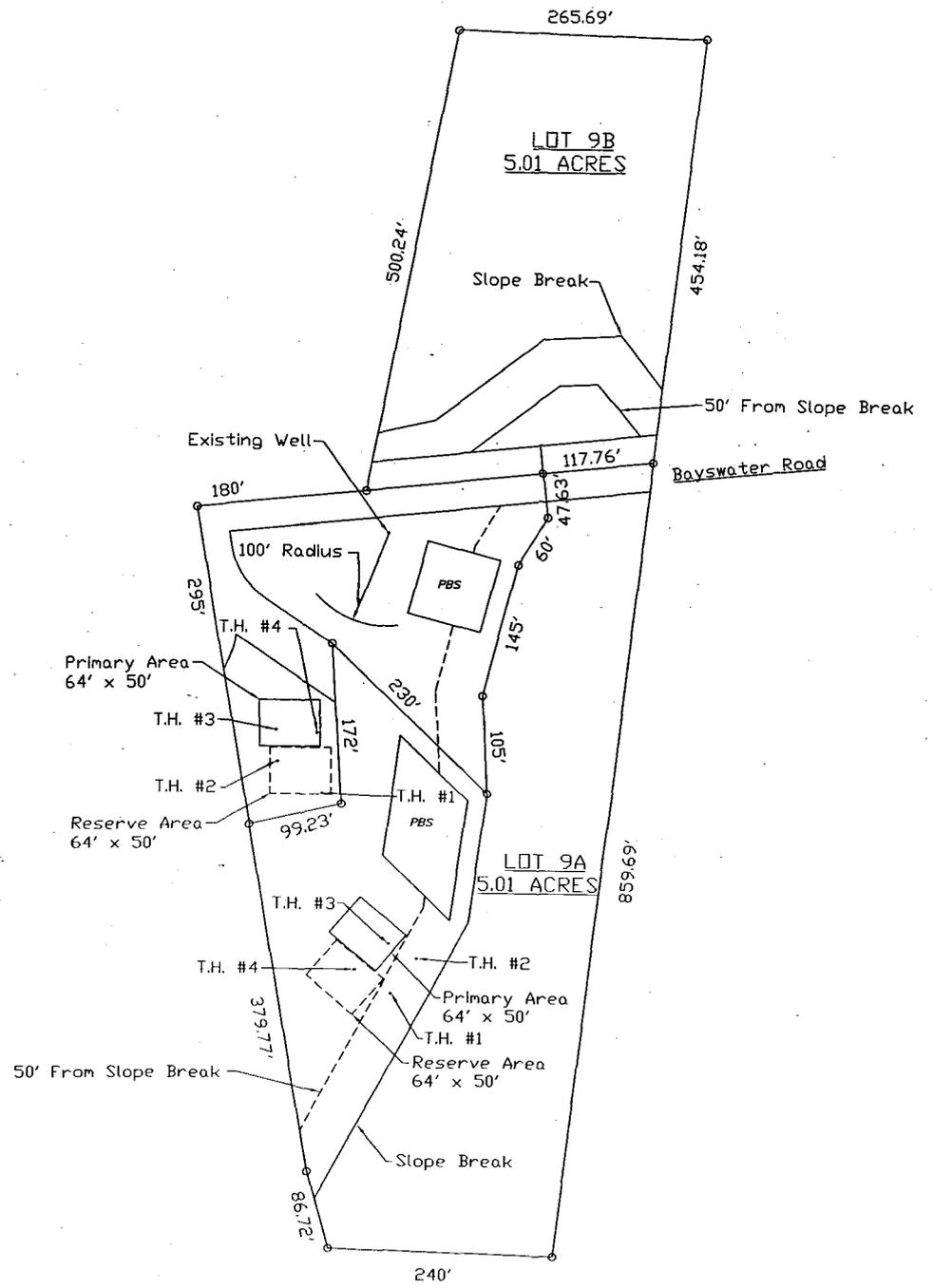
WAC Soil Classification: Type 5
(1A,1B,2A etc.)

Hydraulic Loading Rate: 0.40 gallons/sq ft/day

Water Table: none
(depth to standing water)

Additional Comments:





SITE PLAN



EXPIRES MAY 1, 2009

Three Rivers Rec. Area
 Bayswater Rd. Lot 9A & 9B
 Cougar, Washington 98616
 Brian L. Hewitt Engineering L.L.C.
 3029 Maple St.
 Longview, Washington 98632
 Cell: 360.751.3751 Fax: 360.425.2255
 e-mail: Hewitt.Engineering@comcast.net

Date: 02/19/08 Job #05-304,9

Scale: 1"=150'-0" Sheet M-X