

320 Bayswater



# BRIAN L. HEWITT ENGINEERING L.L.C.

## Soil Evaluation Report January 30, 2007

Job# 07-055.2  
Client: Three Rivers Recreation, 1805 Howard Way Woodland, Washington, 98674  
Property Address: ??? Bayswater Rd. Lot 2 Ariel, Washington 98603  
Parcel Number: part of EM2412001  
Location: NE/4 of sec. 25 Township 6N Range 4E  
Subdivision: Thomas Short Plat Lot 2 of 2 **ORM 215**

### Soil Information

#### **Natural Resource Conservation Service Soil Survey of Cowlitz**

**County, 1988.** Test pits are located in NRCS soil survey mapping unit 26, Cinebar silt loam, 5 to 20 percent slopes.

Cinebar soil characteristics:  
0 to 4 inches silt loam, moderate structure  
4 to 23 inches silt loam, weak structure  
23 to 60 inches silt loam, massive.

#### Summary of soils found

Soils observed similar to Cinebar soil mapping unit. The soils pits observed have a loam surface with a moderate structure. The subsoil is sandy loam that is moderate structured.

#### Observed Soil Profiles:

<u>Depth</u> Inches	<u>Description</u>
<b>Test Hole #1</b>	
0-6"	loam, moderate subangular blocky structure.
6-72"	sandy loam, moderate subangular blocky structure
<b>Test Hole #2</b>	
0-6"	loam, moderate subangular blocky structure.
6-72"	sandy loam, moderate subangular blocky structure
<b>Test Hole #3</b>	
0-6"	loam, moderate subangular blocky structure.
6-72"	sandy loam, moderate subangular blocky structure
<b>Test Hole #4</b>	
0-6"	loam, moderate subangular blocky structure.
6-72"	sandy loam, moderate subangular blocky structure

Parent Material: Volcanic ash over residuum  
Proposed infiltrative surface rate for a moderate structured sandy loam:  
USEPA, sandy loam 0.6 gal/Ft2-day (BOD>150), WAC 246-272A (July 05, 2005) sandy loam 0.6 gal/ft2-day  
Consultant recommends: 0.6 gal/ft2/day  
System type: Gravity drainfield  
Additional Comments: none



3/15/07



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## Site Evaluation Report

January 30, 2007

Job# 07-055.2

Client: Three Rivers Recreation, 1805 Howard Way Woodland, Washington, 98674

Property Address: ??? Bayswater Rd. Lot 2 Ariel, Washington 98603

Parcel Number: part of EM2412001

Acres: 5.40 Bedrooms: 3

### Site Characteristics

General Topographic Characteristics: upland side slope

Drainage characteristics: no observed drainage problem.

General Slopes: 5 to 20 percent

Slope of proposed drainfield location: 15 to 25 percent west

General geology: Volcanic ash over residuum

Vegetation: cleared forested

Surface water: greater than 100 feet

Distance to nearby wells: greater than 100 feet

Distance to public sewers: N.A.

Structures on Property: none on proposed property

Other concerns:

### Site evaluator's statement regarding type of system required:

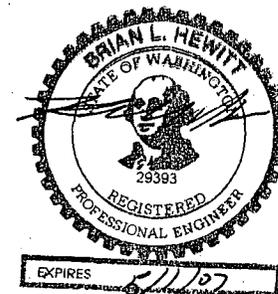
Based upon the soil analysis performed January 30, 2007 it is my determination that the primary on-site sewage system is approved for a Standard Gravity system using Serial Distribution.

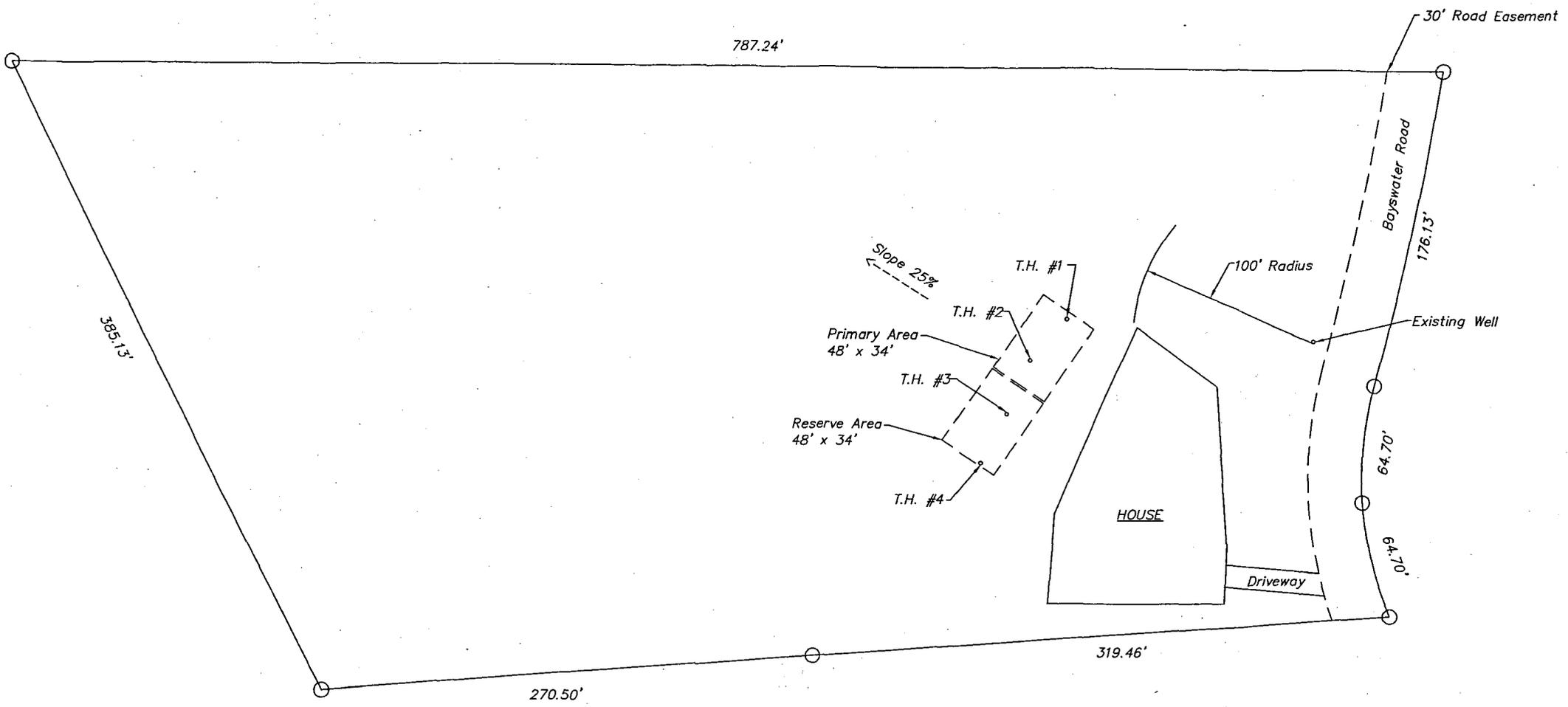
The primary Drainfield area will require 600 sq. ft. (of Drainfield) minimum and 1,591 sq. ft. (land area) or 48 ft. by 34 ft.

The reserve area is approved for a Standard Gravity system and will require 600 sq. ft. (of Drainfield) minimum and 1,591 sq. ft. (land area) or 48 ft. by 34 ft.

Submitted by: Brian L. Hewitt P.E. # 29393 Expires 5/1/07

Date: March 1, 2007





SITE PLAN



EXPIRES MAY 1, 2007

Thomas Lot 2  
Bayswater Road  
Ariel, Washington 98603  
Brian L. Hewitt Engineering L.L.C.  
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Longview, Washington 98632  
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Date: 03/01/07 Job #07-055.2

Scale: 1"=60'-0" Sheet M-X