





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

## Soil Evaluation Report

January 30, 2007

Job# 05-304.1

Client: Three Rivers Recreation Area. 1805 Howard Way. Woodland, Wa. 98674

Property Address: Lot 1A (South division)

Parcel Number: part of EM2404001 Location: SE/4 of sec. 24 Township 6N Range 4E

### 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.
6-60	sandy loam, moderate prismatic structure
<b>Test Hole #2</b>	
0-6	loam, moderate subangular blocky structure
6-60	sandy loam, moderate prismatic structure
<b>Test Hole #3</b>	
0-6	loam, moderate subangular blocky structure
6-60	sandy loam, moderate prismatic structure
<b>Test Hole #4</b>	
0-6	loam, moderate subangular blocky structure
6-60	sandy loam, moderate prismatic structure

Parent Material: Volcanic ash over residuum

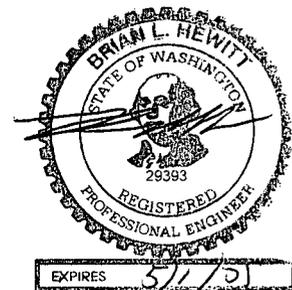
Proposed infiltrative surface rate for a moderate structured sandy loam:

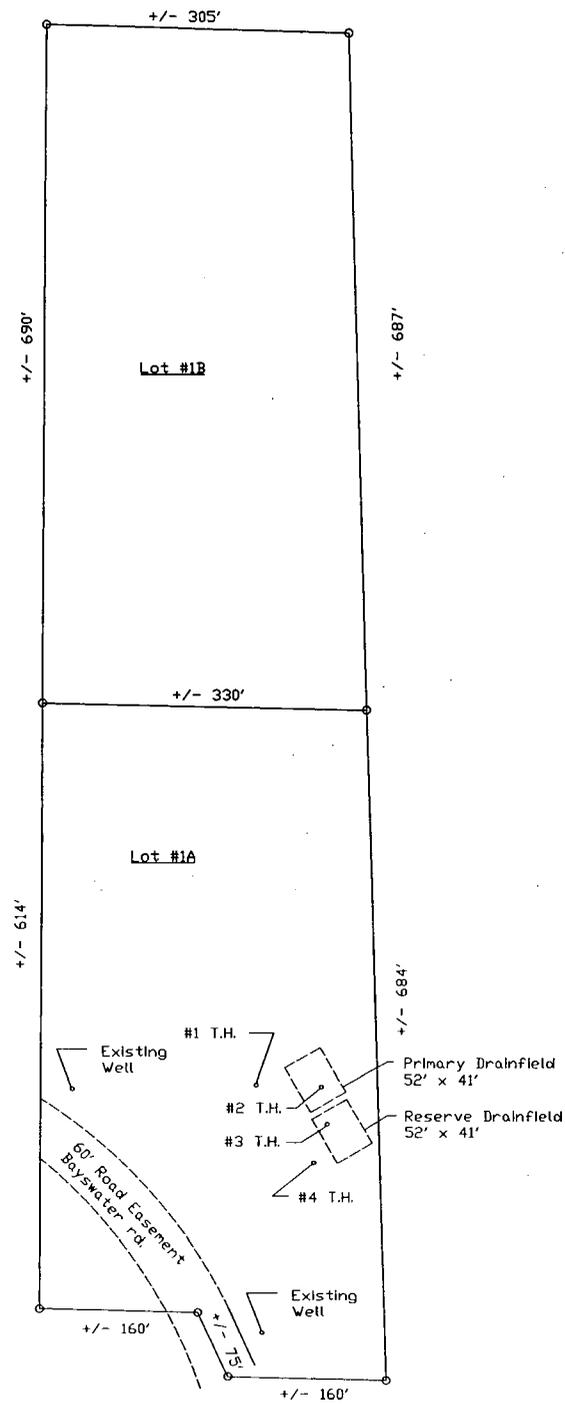
USEPA, sandy loam 0.6 gal/Ft<sup>2</sup>-day (BOD>150), WAC 246-272A (July 05, 2005) sandy loam 0.6 gal/ft<sup>2</sup>-day

Consultant recommends: 0.6 gal/ft<sup>2</sup>/day

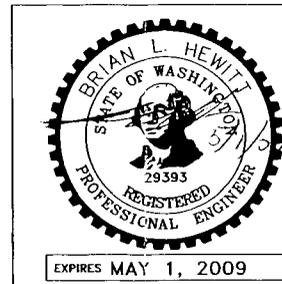
System type: Gravity drainfield

**Additional Comments:** maintain 100 feet from wells.





SITE PLAN



Three Rivers Rec. Area  
??? Hamm Rd.  
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@adelphia.net

Date: 12/27/06      Job #05-304.1

Scale: 1"=150'-0"      Sheet M-X