

BRIAN L. HEWITT ENGINEERING L.L.C.

Site Evaluation Report

May 9, 2007

Job# 05-304.1B

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

Property Address: Lot 1B (North division)

Parcel Number: part of EM2404001

Bedroom # 4

Acres: 5.0+/-

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: 10 percent northeast

General geology: Volcanic ash over residuum

Vegetation: cleared forested

Surface water: greater than 100 feet

Distance to nearby wells: greater than 100 feet to south and west

Distance to public sewers: N.A.

Structures on Property: none on proposed property

Other concerns: Maintain drainfield greater than 100 feet from wells.

Site evaluator's statement regarding type of system required:

Based upon the soil analysis performed May 9, 2007, it is my determination that the primary on-site sewage system is approved for a Conventional Gravity Flow system Serial distribution for the Drainfield.

The primary Drainfield area will require 800 sq. ft. (of Drainfield) minimum and 2,120 sq. ft. (land area) or 60 ft. by 36 ft.

The reserve area is approved for a Conventional Gravity Flow system and will require 800 sq. ft. (of Drainfield) minimum and 2,120 sq. ft. (land area) or 60 ft. by 36 ft.

Submitted by: Brian L. Hewitt P.E.

29393

Expires 5/1/09

Date: May 9, 2007



5/9/07

EXPIRES 5/1/09



BRIAN L. HEWITT ENGINEERING L.L.C.

Soil Evaluation Report

May 9, 2007

Job# 05-304.1B

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

Property Address: Lot 1B (North 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>
Test Hole #1	
0-28"	loam, moderate subangular blocky structure.
28-60"	sandy loam, moderate prismatic structure
Test Hole #2	
0-25"	loam, moderate subangular blocky structure
25-60"	sandy loam, moderate prismatic structure
Test Hole #3	
0-25"	loam, moderate subangular blocky structure
25-60"	sandy loam, moderate prismatic structure
Test Hole #4	
0-28"	loam, moderate subangular blocky structure
28-60"	sandy loam, moderate prismatic structure
Test Hole #5	
0-28"	loam, moderate subangular blocky structure
28-43"	sandy loam, moderate prismatic structure

Parent Material: Volcanic ash over residuum

Proposed infiltrative surface rate for a moderate structured sandy loam:

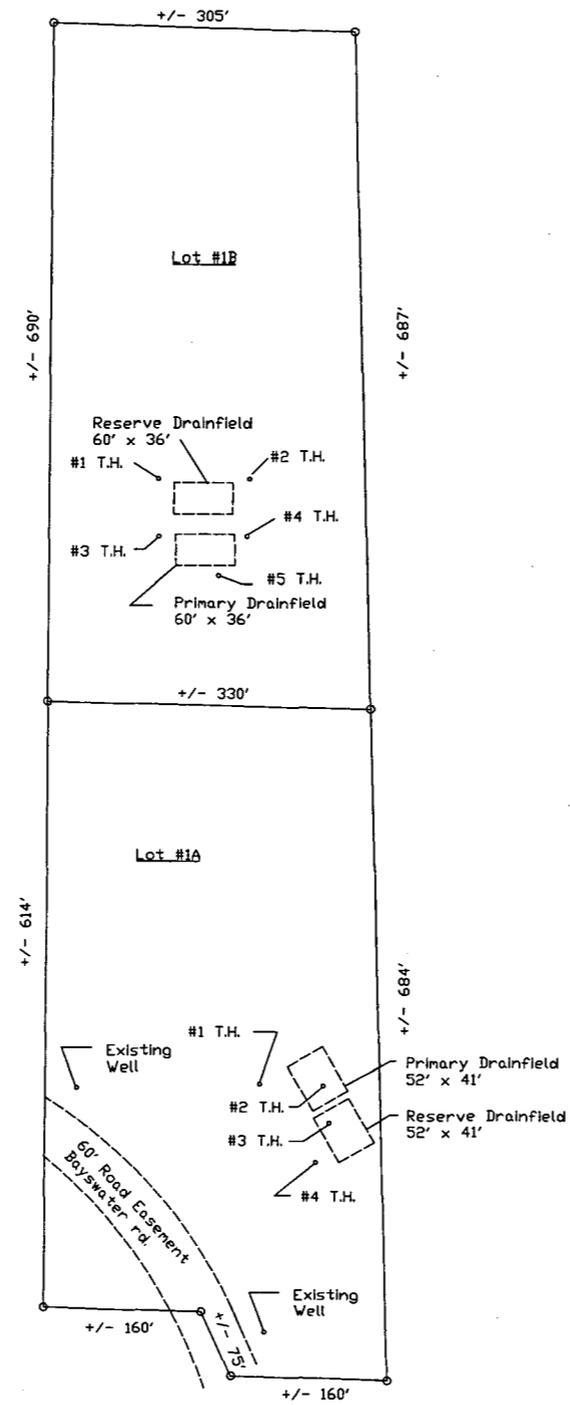
USEPA, sandy loam 0.6 gal/Ft²-day (BOD>150), WAC 246-272A (July 05, 2005) sandy loam 0.6 gal/ft²-day

Consultant recommends: 0.6 gal/ft²/day

System type: Gravity drainfield

Additional Comments: maintain 100 feet from wells.





SITE PLAN



EXPIRES MAY 1, 2009

Three Rivers Rec. Area
??? Bayswater Rd.
Cougar, Washington 98616
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3029 Maple St.
Longview, Washington 98632
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Date: 5/09/06

Job #05-304.1

Scale: 1"=150'-0"

Sheet M-X