



BRIAN L. HEWITT ENGINEERING L.L.C.

Site Evaluation Report

December 18, 2006

Job # 06-333.2

Property Address: Part of 2807 36th Ave. Longview, Washington 98632

Parcel Number: Portion of 04836

Applicant Name: Joe & Kris Davis 2807 36th Ave. Longview, Washington 98632

Number of Bedrooms for Septic Design: 4

Acres: 1.00

Site Characteristics

General Topographic Characteristics: Rose Valley Silt Loam

Drainage Characteristics: Good, no surface water

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

Geology: Type of Bedrock & depth: none found

Vegetation: none

Distance to, and type of, nearest surface water: 100 ft.
(If less than 250 ft.)

Distance to nearby wells: public water

Distance to public Sewers: none

Other Structures on Property: none

Engineer's statement regarding type of system required:

Based upon the soil analysis performed December 1, 2006, it is my determination that the primary on-site sewage system is approved for a Conventional Gravity Flow system with the equal distribution for the Drainfield.

The primary Drainfield area will require 1,200 sq. ft. (of Drainfield) minimum and 3,181sq. ft. (land area) or 68 ft. by 47 ft.

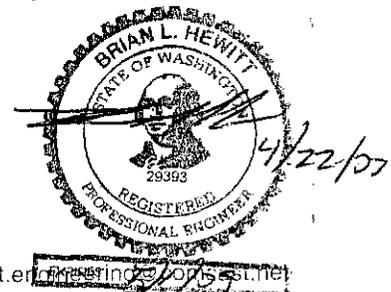
The reserve area is approved for a Conventional Gravity Flow system and will require 1,200 sq. ft. (of Drainfield) minimum and 3,181 sq. ft. (land area) or 68 ft. by 47 ft.

Submitted by: Brian L. Hewitt P.E.

29393

Expires 5/1/09

Date: April 22, 2007





BRIAN L. HEWITT ENGINEERING L.L.C.

Soil Evaluation Report

December 18, 2006

Job # 06-333.2

Property Address: Part of 2807 36th Ave. Longview, Washington 98632

Parcel Number: Portion of 04836

Section 20 Township 8N Range 2W Tax Lot #

Subdivision Number: CC-05114 Lot 1 of 2

Applicant Name: Joe & Kris Davis, 2807 36th Ave. Longview, Washington 98632

Soil Information

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

Soil Profile:

<u>Test Hole #</u>	<u>Depth</u>	<u>Description</u>	<u>Comments</u>
<u>Test Hole #1</u>	0-20"	Clay Loam (cl)	Dark Brown sbk/2/m (10 % gravel)
	20-48"	Clay Loam (cl)	Brown sbk/2/m (20 % gravel)
	48-60"	Clay Loam (cl)	Massive (20 % gravel)
	Roots to 48", No Mottles, No Water		
<u>Test Hole #2</u>	0-22"	Clay Loam (cl)	Dark Brown sbk/2/m (10 % gravel)
	20-55"	Clay Loam (cl)	Brown sbk/2/m (20 % gravel)
	55-72"	Clay Loam (cl)	Massive (20 % gravel)
	Roots to 55", No Mottles, No Water		
<u>Test Hole #3</u>	12-0"	Clay Loam (cl)	Orange, Massive
	0-22"	Clay Loam (cl)	Dark Brown sbk/2/m (10 % gravel)
	22-43"	Clay Loam (cl)	Brown sbk/2/m (20 % gravel)
	43-48"	Clay Loam (cl)	Massive (20 % gravel)
	Roots to 55", No Mottles, No Water		
<u>Test Hole #4</u>	0-20"	Clay Loam (cl)	Dark Brown sbk/2/m (10 % gravel)
	20-48"	Clay Loam (cl)	Brown sbk/2/m (20 % gravel)
	48-60"	Clay Loam (cl)	Massive (20 % gravel)
	Roots to 48", Moderate Mottling at 48", Water at 48"		

Maximum Seasonal Groundwater Elevation:

Soil Mottling: Moderate at 48"
(Depth and degree of development)

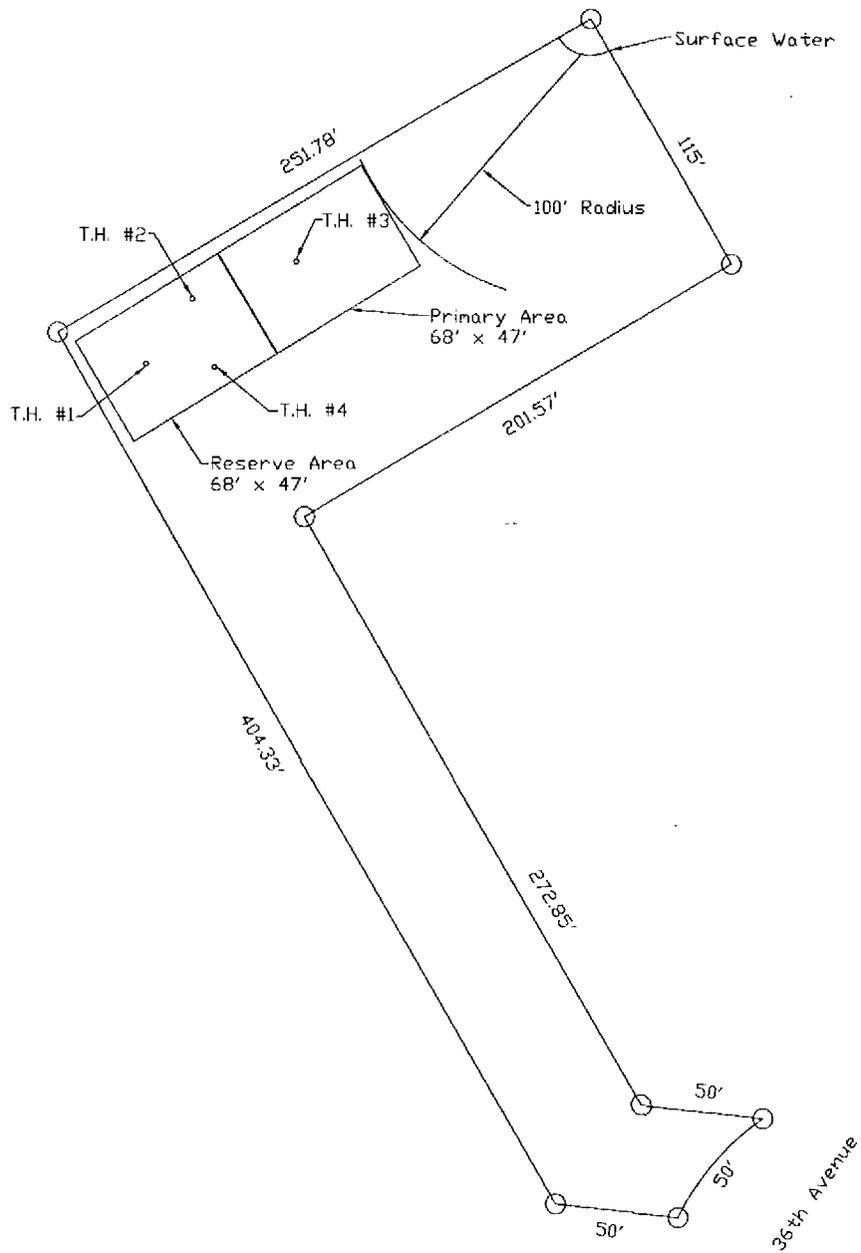
WAC Soil Classification: Type 6
(1A,1B,2A etc.)

Hydraulic Loading Rate: 0.40 gallons/sq ft/day

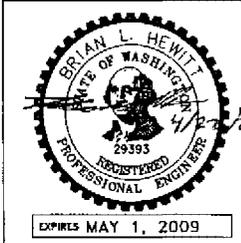
Water Table: 48"
(depth to standing water)

Additional Comments: Will be using the Waiver to change the loading rate from 0.20 to 0.40.





SITE PLAN



EXPIRES MAY 1, 2009

Joe Davis
 near 2807 36th Ave. Lot #1
 Longview, Washington 98632
 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: 12/14/06	Job #06-333.2
Scale: 1"=50'-0"	Sheet M-X