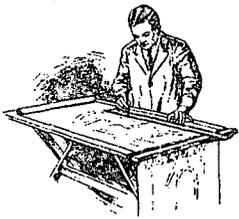


198 Badger



BRIAN L. HEWITT ENGINEERING L.L.C.

Soil Evaluation Report December 13, 2006

Job # 06-338.1

Property Address: 208 Badger Rd. Kelso Wa. 98626

Parcel Number: Part of WD2211001 and WD2211014

Section 22 Township 7N Range 1W Tax Lot # T-11

Subdivision Number Lot 1 of 2

Applicant Name (Name Subdivision is listed under): Butch Henry, 700 Lincoln St. Kelso, Wa. 98626

Soil Information

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

Soil Profile:

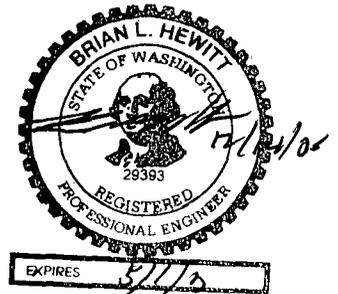
	<u>Depth</u>	<u>Description</u>	<u>Comments</u>
<u>Test Hole #1</u>	0-16	Silty Clay Loam (sicl)	Dark Brown sbk/2/m
	16-48	Silty Clay Loam (sicl)	Brown pw/1/w
		Roots to 40", Moderate Mottling at 42, No Water	
<u>Test Hole #2</u>	0-16	Silty Clay Loam (sicl)	Dark Brown sbk/2/m
	16-48	Silty Clay Loam (sicl)	Brown pw/1/w
		Roots to 34", Moderate Mottling at 32, No Water	
<u>Test Hole #3</u>	0-16	Silty Clay Loam (sicl)	Dark Brown sbk/2/m
	16-48	Silty Clay Loam (sicl)	Brown pw/1/w
		Roots to 40", Moderate Mottling at 42, No Water	
<u>Test Hole #4</u>	0-24	Silty Clay Loam (sicl)	Dark Brown sbk/2/m
	24-52	Silty Clay Loam (sicl)	Brown pw/2/m
		Roots to 48", Moderate Mottling at 48, No Water	
<u>Test Hole #5</u>	0-18	Silty Clay Loam (sicl)	Dark Brown sbk/2/m
	18-42	Silty Clay Loam (sicl)	Brown pw/2/m
		Roots to 36", Moderate Mottling at 36, No Water	

Maximum Seasonal Groundwater Elevation:

Soil Mottling: Moderate at 36" in the primary area WAC Soil Classification: Type 6
(Depth and degree of development) (1A,1B,2A etc.)

Hydraulic Loading Rate: 0.4 gallons/sq ft/day Water Table: none
(depth to standing water)

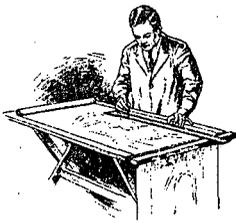
Additional Comments: I will be using the Waiver to change the loading rate in the primary area from 0.20 to 0.40



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JUL 02 2007

COWLITZ COUNTY
BUILDING & PLANNING



BRIAN L. HEWITT ENGINEERING L.L.C.

Site Evaluation Report

December 13, 2006

Job # 06-338.1

Property Address: 208 Badger Rd. Kelso Wa. 98626

Parcel Number: Portion of WD2211001 and WD2211014

Applicant Name: Butch Henry, 700 Lincoln St. Kelso, Wa. 98626

Number of Bedrooms for Septic Design: 4

Acres: 8.0

Site Characteristics

General Topographic Characteristics: Hazeldell Gravelly Silt Loam

Drainage Characteristics: Good, no surface water

Slopes: General: 20-30 % Proposed Drainfield Location: 25 %

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: Maintain 100'+

Distance to public Sewers: none

Other Structures on Property: none

Engineer's statement regarding type of system required:

Based upon the soil analysis performed November 29, 2006 it is my determination that the primary on-site sewage system is approved for an Intermittent Sand Filter followed by a Pressure Distribution system.

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

The reserve area is approved for an Advantex Treatment with UV disinfection system followed by a sub-surface drip drainfield system and will require 2,400 sq. ft. (of Drainfield) minimum and 3,600 sq. ft. (land area) or 68 ft. by 53 ft.

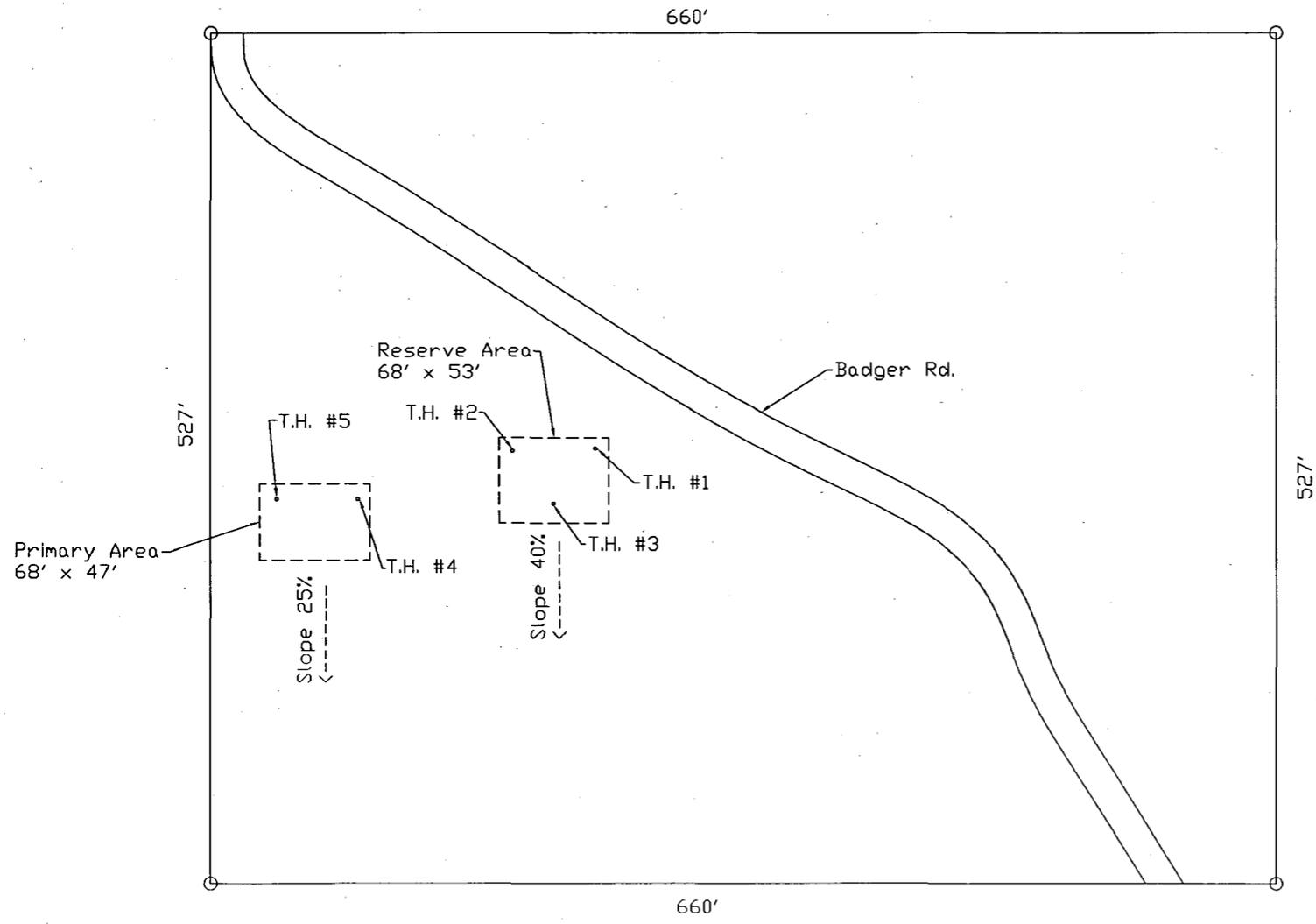
Submitted by: Brian L. Hewitt P.E.

29393

Expires 5/1/07

Date: December 13, 2006





SITE PLAN

	Butch Henry 208 Badger Rd. Lot 1 Kelso, Washington 98626	
	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 #06-338.1
EXPIRES MAY 1, 2003	Scale: 1"=80'-0"	Sheet M-X