



BRIAN L. HEWITT ENGINEERING L.L.C.

Site Evaluation Report September 18, 2011

Job # 11-074

Property Address: 141 Aldaglen rd. Kelso, Washington 98626

Parcel Number: W10204009

Applicant Name: Lonny & Beth Sachse 141 Aldaglen rd. Kelso, Washington 98626

Number of Bedrooms for Septic Design: 3

Acres: 1.07

Site Characteristics

General Topographic Characteristics: Sauvola Loam

Drainage Characteristics: moderately Well Drained

Slopes: General: 8-15 % Proposed Drainfield Location: 29 %

Geology: Type of Bedrock & depth: none

Vegetation: Lawn

Distance to, and type of, nearest surface water: none
(If less than 250 ft.)

Distance to nearby wells: 75 ft.

Distance to public Sewers: none

Other Structures on Property: 40 ft.

Engineer's statement regarding type of system required:

- Based upon the soil analysis performed September 16, 2011, it is my determination that the primary on-site sewage system is approved for an Pressure Distribution.

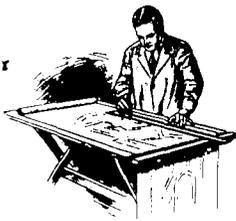
The primary Drainfield area will require 900 sq. ft. (of Drainfield) minimum and 2,250 sq. ft. (land area) or 80 ft. by 28 ft.

The reserve area is approved for a Pretreatment to a Sub Surface drip system and will require 900 sq. ft. (of Drainfield) minimum and 1,013,sq. ft. (land area) or 50 ft. by 20 ft.

Submitted by: Brian L. Hewitt P.E. # 29393
Date: September 18, 2011

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BRIAN L. HEWITT ENGINEERING L.L.C.

Soil Evaluation Report

September 18, 2011

Job # 11-074

Property Address: 141 Aldaglen rd. Kelso, Washington 98626

Parcel Number: WI0204009

Applicant Name: Lonny & Beth Sachse 141 Aldaglen rd. Kelso, Washington 98626

Section 2 Township 8N Range 2W Tax Lot # R011801

Subdivision Number Lot of

Soil Information

As mapped by U.S. Soil Conservation Service (S.C.S.): Sauvola Loam

Soil Profile:

<u>Test Hole #</u>	<u>Depth</u>	<u>Description</u>	<u>Comments</u>
<u>Test Hole #1</u>	0-36"	Silt Loam (sil)	Brn, 2/f-m/sbk
	36-60"	Silt Loam (sil)	Dk brn, 2/f-m/sbk
	60-72"	Silt Loam (sil)	mixed, massive
	Roots 72", No mottling (>2 chroma), No Water		
<u>Test Hole #2</u>	0-36"	Silt Loam (sil)	Brn, 2/f-m/sbk
	36-44"	Silt Loam (sil)	Dk brn, 2/f-m/sbk
	44-60"	Silt Loam (sil)	mixed, massive
	Roots 60", No mottling (>2 chroma), No Water		
<u>Test Hole #3</u>	0-12"	Silt Loam (sil)	Dk Brn, 2/f-m/sbk
	12-30"	Silt Loam (sil)	Brn, 2/f-m/sbk
	30-60"	Silt Loam (sil)	mixed, massive
	Roots 30", Moderate Mottling 30", No Water		
<u>Test Hole #4</u>	0-9"	Silt Loam (sil)	Dk Brn, 2/f-m/sbk
	9-28"	Silt Loam (sil)	Brn, 2/f-m/sbk
	28-60"	Silt Loam (sil)	mixed, massive
	Roots 30", Moderate Mottling 28", No Water		
<u>Test Hole #5</u>	0-8"	Silt Loam (sil)	Dk Brn, 2/f-m/sbk
	8-21"	Silt Loam (sil)	Brn, 2/f-m/sbk
	21-48"	Silt Loam (sil)	mixed, massive
	Roots 21", Moderate Mottling 21", No Water		

Maximum Seasonal Groundwater Elevation:

Soil Mottling: none (primary)
(Depth and degree of development)

WAC Soil Classification: Type 5
(1A, 1B.2A etc.)

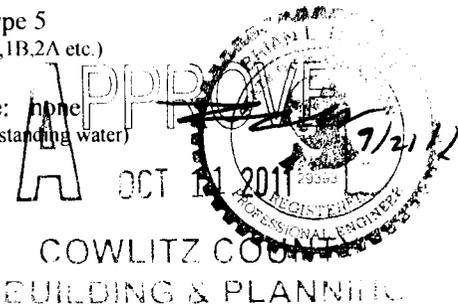
Hydraulic Loading Rate: 0.40

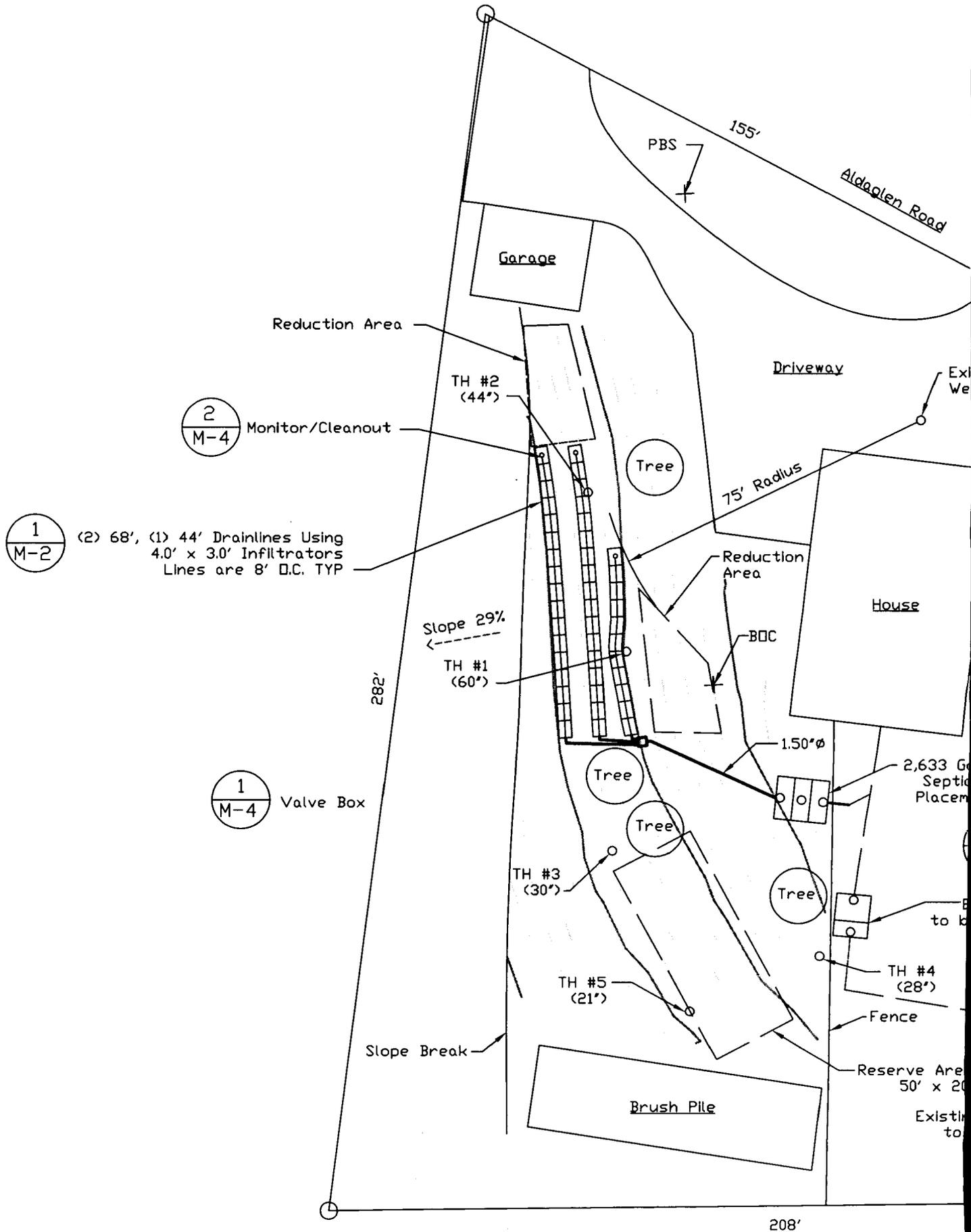
gallons/sq ft/day

Water Table: none
(depth to standing water)

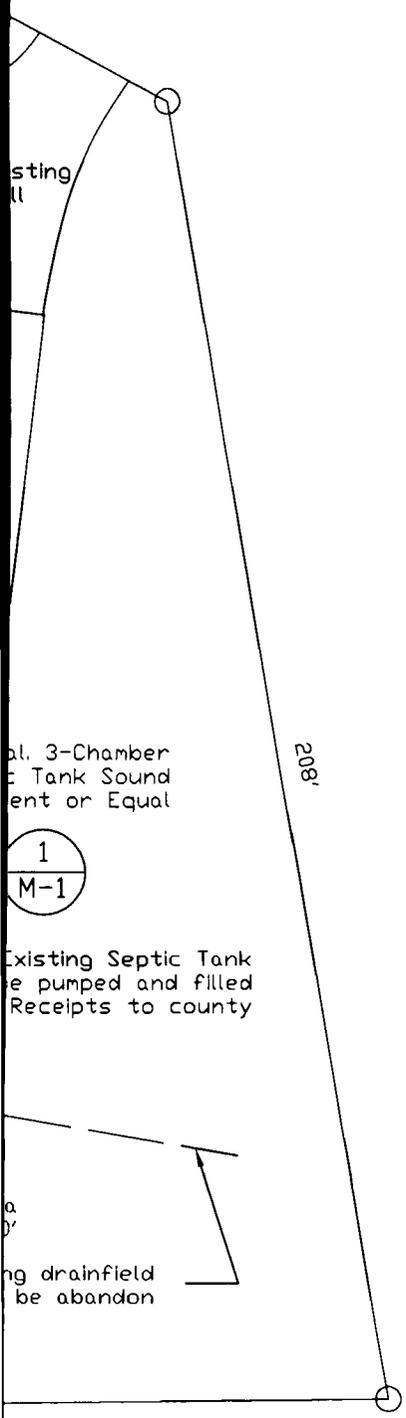
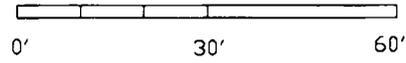
Additional Comments:

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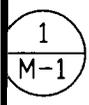
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Existing
Well

al. 3-Chamber
Tank Sound
ent or Equal

208'

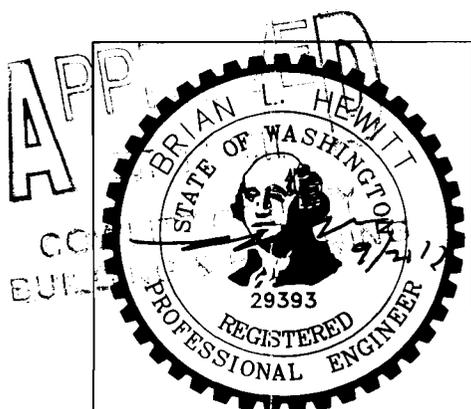


Existing Septic Tank
to be pumped and filled
Receipts to county

Proposed
drainfield
to be abandoned

PLOT PLAN

If Drainfield is to be installed other than the months of June-September the installer must contact Brian Hewitt Engineering before work begins for soil moisture content approval.



Lonny & Beth Sachse 141 Aldaglen Road Kelso, Washington 98626	
Brian L. Hewitt Engineering L.L.C. 3025 Maple St. Longview, Washington 98632 Cell: 360.751.3751 Fax: 360.425.2255 e-mail: Hewitt.Engineering@comcast.net	

Date: 09/19/11	Job #11-074
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Scale: 1"=30'-0"	Sheet M-5
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