



BRIAN L. HEWITT ENGINEERING L.L.C.

Site Evaluation Report December 1, 2008

Job # 08-177.2

Property Address: Near 198 Badger Rd. Kelso Washington 98626

Parcel Number: Portion of WD2211017

Applicant Name: Steve Peeler, 2210 West Main St. #107 PMB 346 Battleground, Washington 98604

Number of Bedrooms for Septic Design: 3 Acres: 2.02 Lot 2 of 4

Site Characteristics

General Topographic Characteristics: Hazeldell Gravelly Silt Loam

Drainage Characteristics: Good, no surface water

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

Geology: Type of Bedrock & depth: none

Vegetation: Mixed brush and timber

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 24, 2008 it is my determination that the primary on-site sewage system is approved for a Pre-Treatment Level B to Pressure Distribution system.

The primary Drainfield area will require 900 sq. ft. (of Drainfield) minimum and 2,386 sq. ft. (land area) or 64 ft. by 38 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 675 ft. (of Drip Tube) minimum and 2,025 sq. ft. (land area) or 64 ft. by 32 ft.

Submitted by: Brian L. Hewitt P.E. # 29393

Date: December 1, 2008

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JAN 14 2009
COWLITZ COUNTY
BUILDING & PLANNING



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Soil Evaluation Report

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Applicant Name: Steve Peeler, 2210 West Main St. #107 PMB 346 Battleground, Washington 98604

Section 22 Township 7N Range 1W Tax Lot #

Subdivision Number Lot 2 of 4

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>	0-30"	Silt Loam (sil)	Dark Brown sbk/2/m
	30-56"	Clay Loam (cl)	Yellow Brown pr/2/m
	Roots to 56"	No Mottling	No Water
<u>Test Hole #2</u>	0-12"	Silt Loam (sil)	Dark Brown sbk/2/m
	12-32"	Silty Clay Loam (sicl)	Brown pr/2/m
	32-60"	Clay Loam (cl)	Orange Brown abk/1/m
<u>Test Hole #3</u>	0-12"	Silt Loam (sil)	Dark Brown sbk/2/m
	12-22"	Silty Clay Loam (sicl)	Brown pr/2/m
	22-48"	Clay Loam (cl)	Orange Brown abk/1/m
<u>Test Hole #4</u>	0-18"	Silt Loam (sil)	Dark Brown sbk/2/m
	18-38"	Silty Clay Loam (sicl)	Brown pr/2/m (some scattered mottles)
	38-53"	Clay Loam (cl)	Orange Brown abk/1/m
<u>Test Hole #5</u>	0-18"	Silt Loam (sil)	Dark Brown sbk/2/m
	18-32"	Silty Clay Loam (sicl)	Brown pr/2/m
	32-60"	Clay Loam (cl)	Multi abk/2/m
	Roots to 30"	Moderate Mottling at 32,	No Water

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Maximum Seasonal Groundwater Elevation:

Soil Mottling: Slight at 32" in the Primary area
(Depth and degree of development)

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

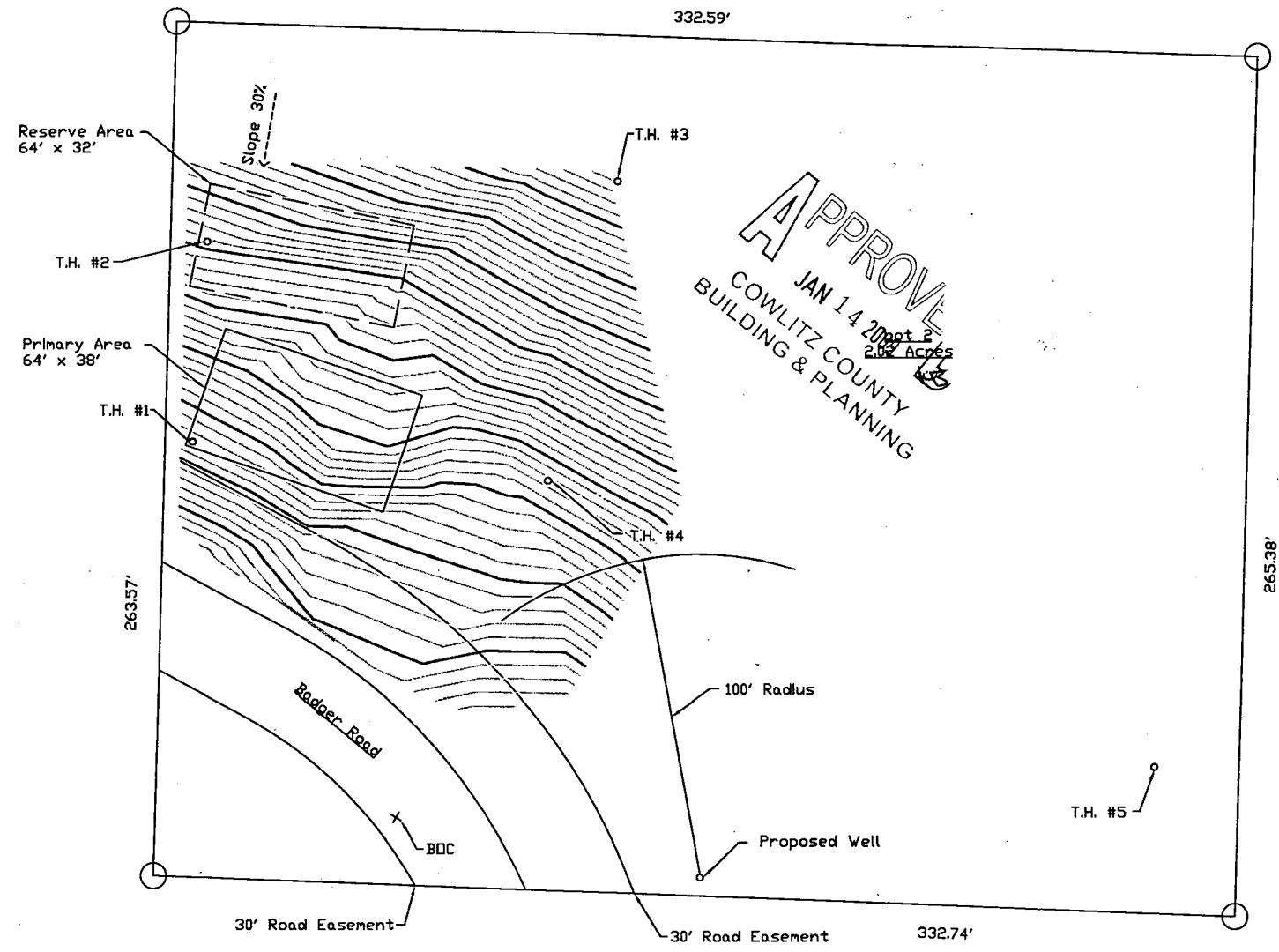
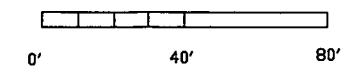
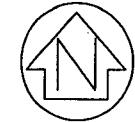
Hydraulic Loading Rate: 0.4 gallons/sq ft/day

Water Table: none
(depth to standing water)

Additional Comments:

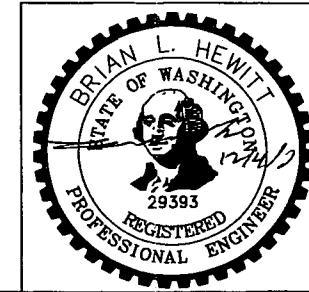
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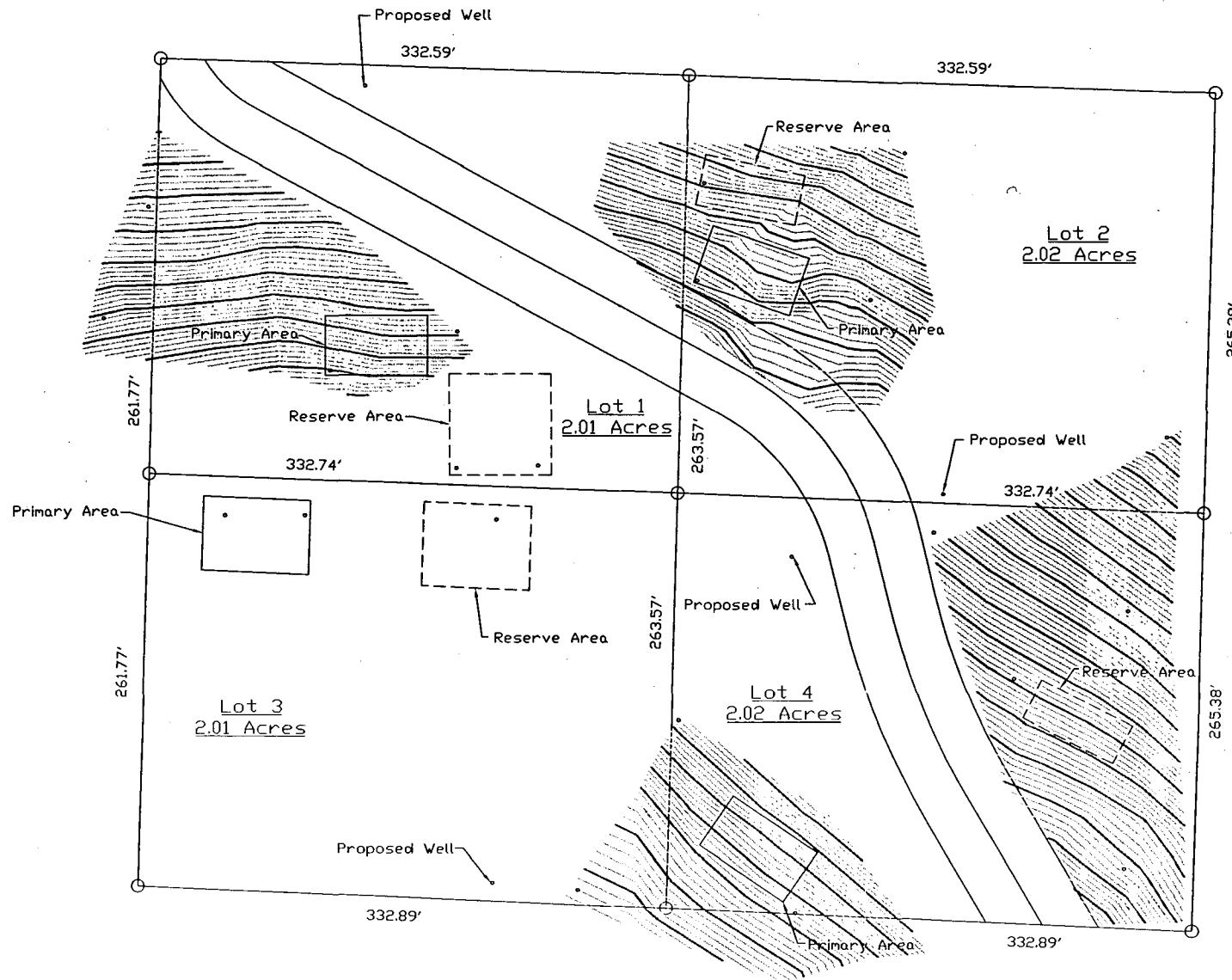
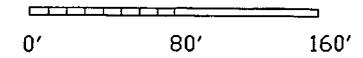
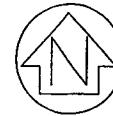
PLOT PLAN
08121806



Steve Peeler (pt. of WD2211017)
 near 198 Badger 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: 12/01/08 Job #08-177.2

Scale: 1"=40'-0" Sheet M-X



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SITE PLAN



Steve Peeler (pt. of WD2211017)
 near 198 Badger 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: 12/01/08 Job #08-177

Scale: 1"=80'-0" Sheet M-X