



BRIAN L. HEWITT ENGINEERING L.L.C.

Site Evaluation Report

March 17, 2009

Job # 09-045

Property Address: Near 484 Apple Creek Rd. Longview, Washington 98632

Parcel Number: WP2304017

Applicant Name: John & Shelly Reeves, #2 Swallow Ct. Longview, Washington 98632

Number of Bedrooms for Septic Design: 4

Acres: 5.180

Site Characteristics

General Topographic Characteristics: Germany Silt Loam

Drainage Characteristics: Well Drained

Slopes: General: 20-30 % Proposed Drainfield Location: 10 %

Geology: Type of Bedrock & depth: None

Vegetation: None

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

Distance to nearby wells: 105' to proposed well

Distance to public Sewers: None

Other Structures on Property: None

Engineer's statement regarding type of system required:

Based upon the soil analysis performed March 16, 2009 it is my determination that the primary on-site sewage system is approved for a Conventional Gravity Flow system

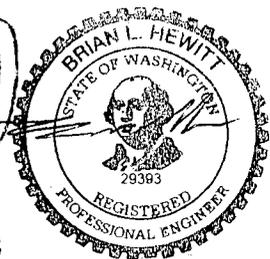
The primary Drainfield area will require 1,200 sq. ft. (of Drainfield) minimum and 3,000 sq. ft. (land area) or 80 ft. by 38 ft.

BLS
The reserve area is approved for a Pressure Distribution system and will require 1,200 sq. ft. (of Drainfield) minimum and 3,000 sq. ft. (land area) or 60 ft. by 50 ft.

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

Date: June 11, 2009

APPROVED
JUL 08 2009
COWLITZ COUNTY
BUILDING & PLANNING
09060816



6/11/09



BRIAN L. HEWITT ENGINEERING L.L.C.

Soil Evaluation Report

March 24, 2009

Job # 09-045

Property Address: Near 484 Apple Creek Rd. Longview, Washington 98632

Parcel Number: WP2304017

Applicant Name: John & Shelly Reeves, #2 Swallow Ct. Longview, Washington 98632

Section 23 Township 9N Range 4W Tax Lot # RO19816

Subdivision Number Lot of

Soil Information

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

Soil Profile:

	<u>Depth</u>	<u>Description</u>	<u>Comments</u>
<u>Test Hole #1</u>	0-6"	Silt Loam (sil)	Dark Brown sbk/2/m
	6-72"	Silt Loam (sil)	Brown pr/2/m
	Roots to 72"	No Mottling	No Water
<u>Test Hole #2</u>	0-10"	Silt Loam (sil)	Dark Brown sbk/2/m
	10-48"	Silt Loam (sil)	Brown pr/2/m
	48-72"	Silty Clay Loam (sicl)	Multi Massive
	Roots to 50"	Moderate Mottling at 48"	No Water
<u>Test Hole #3</u>	0-23"	Silt Loam (sil)	Dark Brown sbk/2/m
	23-72"	Silt Loam (sil)	Brown pr/2/m
	Roots to 72"	No Mottling	No Water
<u>Test Hole #4</u>	0-12"	Silt Loam (sil)	Dark Brown sbk/2/m
	12-50"	Silt Loam (sil)	Brown pr/2/m
	50-60"	Silty Clay Loam (sicl)	Brown Massive
	Roots to 48"	No Mottling	No Water

Maximum Seasonal Groundwater Elevation:

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

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

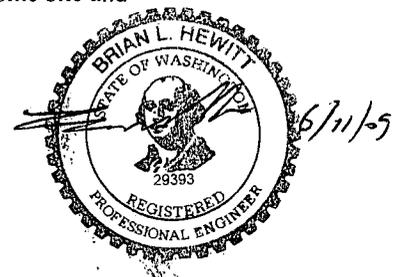
Hydraulic Loading Rate: 0.40 gallons/sq ft/day

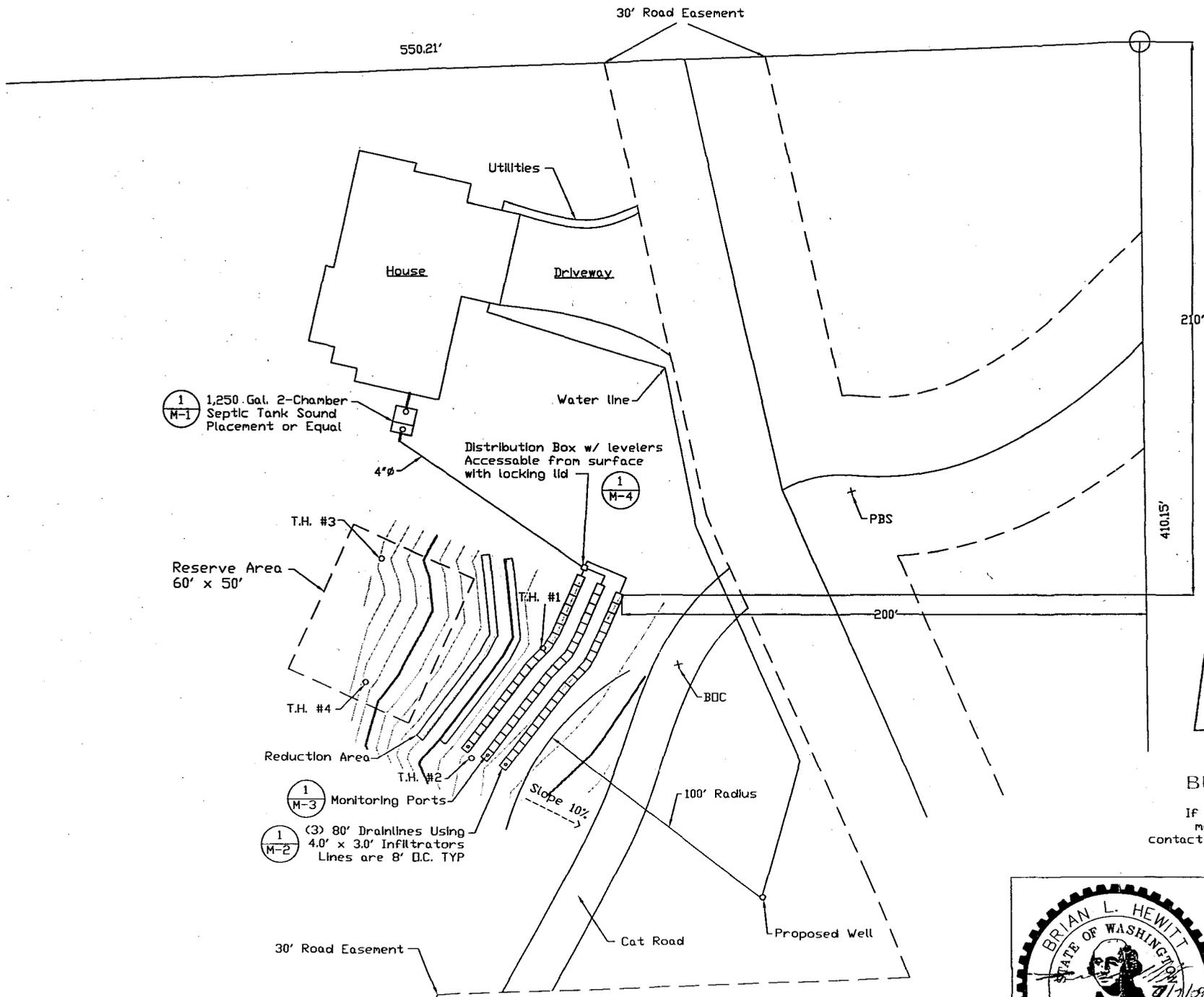
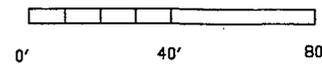
Water Table: None
(depth to standing water)

Additional Comments: Be sure to maintain adequate elevation difference between home site and septic area to accommodate gravity flow.

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JUL 08 2009 *CH*

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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.

1
M-1
1,250 Gal. 2-Chamber
Septic Tank Sound
Placement or Equal

Distribution Box w/ levelers
Accessible from surface
with locking lid

Reserve Area
60' x 50'

1
M-3
Monitoring Ports

1
M-2
(3) 80' Drainlines Using
4.0' x 3.0' Infiltrators
Lines are 8' O.C. TYP

PLOT PLAN



John & Shelly Reeves (WP2304017)
near 484 Apple Creek Road
Longview, Washington 98632
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Longview, Washington 98632
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e-mail: HewittEngineering@comcast.net

Date: 05/18/09 Job #09-045

Scale: 1"=40'-0" Sheet M-5