

Wm Dennis & Associates Inc.  
PO Box 659 636-2820  
Kelso, WA 98626

Parcel #W11721022  
13 Alpine Way (Lot 2)  
Boyd, David  
Site Evaluation for Short Subdivision

## SOIL EVALUATION REPORT

PROPERTY LOCATION: 13 Alpine Way (Lot 2)

APPLICANT: WM. DENNIS AND ASSOCIATES, INC. PHONE: 360-636-2820

MAILING ADDRESS: P.O. BOX 659, KELSO, WA 98626

### SPECIFICATIONS:

FOR 3 BEDROOM DWELLING: SEPTIC TANK 900 GALLON MINIMUM  
360 g/d Design Flow CAPACITY (TWO COMPARTMENT)

TYPE OF WATER SUPPLY DRAINFIELD 800 SQUARE FEET  
TOTAL MINIMUM (LENGTH X WIDTH  
WELL \_\_\_\_\_ OTHER City OF TRENCHES)

EXISTING X PROPOSED \_\_\_\_\_

### LAYOUT OF SYSTEM:

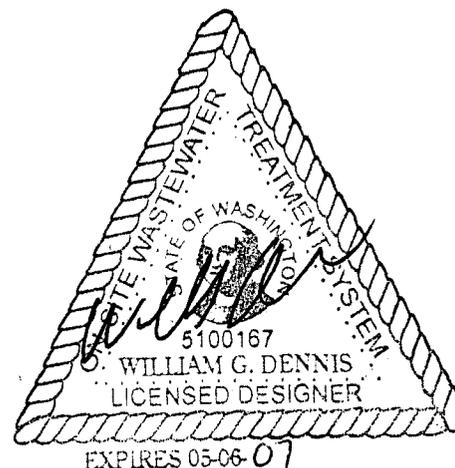
NUMBER OF DRAINFIELD LINES: 3 OR \_\_\_\_\_  
LENGTH OF DRAINFIELD LINES: 90' OR \_\_\_\_\_  
WIDTH OF DRAINFIELD LINES: 3' OR \_\_\_\_\_

TRENCH DEPTH: MINIMUM 6", MAXIMUM 18"

MINIMUM DISTANCE BETWEEN TRENCHES (CENTER TO CENTER): 7.5'

ADDITIONAL REQUIREMENTS

**Not a design. Identification of an approvable system for subdivision purposes. This site is approvable for a Sand Filter system.**



03-19-07

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**SITE CHARACTERISTICS**

Topography: General Topography Characteristics: **South facing slope**  
 Drainage Characteristics: **Well drained**  
 Slopes: General **4% - 6%** Proposed Drainfield Location: **4% - 6%**  
 Geology: Type of Bedrock & Depth: **No data**  
 Vegetation: **Lawn**  
 Distance to, and type of, nearest surface water (If less than 250 feet): **Spring 100'+ to east**  
 Distance to nearby wells: **n/a** Distance to Public Sewers: **n/a**  
 (If Less than 250 feet) (If less than 250 feet)  
 Other structures on property: **n/a**

**SOIL SERIES**

As mapped by the NRCS: **KeC**  
 Appears to be (If different from N.R.C.S classification)

**SOIL LOGS**

Log: #1

Depth	Texture	Structure Shape / Grade	Soil Type	Loading Rate (g/ft <sup>2</sup> /d)
<u>0 - 31"</u>	<u>Silt Loam</u>	<u>Granular/Strong</u>	<u>5</u>	<u>0.45</u>
<u>31" -</u>	<u>Silt Loam</u>	<u>Granular/Moderate</u>	<u>5</u>	<u>0.45</u>

Log: #2

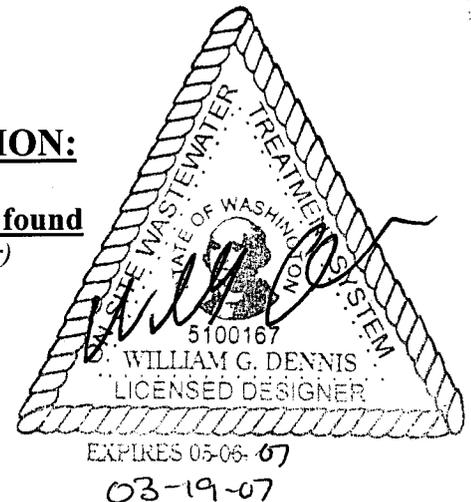
<u>0 - 30"</u>	<u>Silt Loam</u>	<u>Granular/Strong</u>	<u>5</u>	<u>0.45</u>
<u>30" -</u>	<u>Silt Loam</u>	<u>Granular/Moderate</u>	<u>5</u>	<u>0.45</u>

**MAXIMUM SEASONAL GROUND WATER ELEVATION:**

Soil Mottling: **30" - 31" well developed**  
 (Depth Found and Degree of Development)

Water Table: **Not found**  
 (Depth to Standing Water)

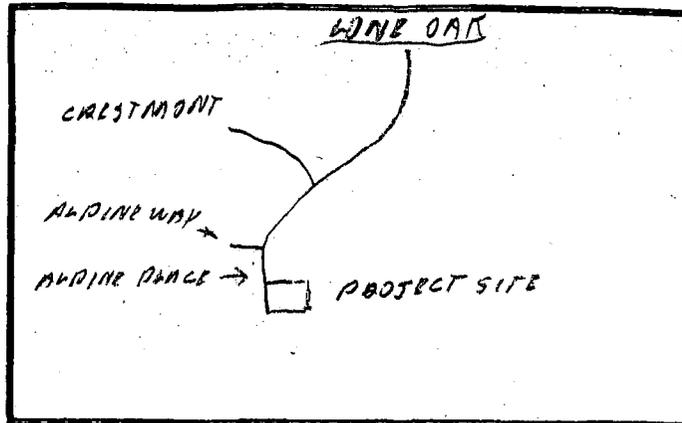
**COMMENTS:**



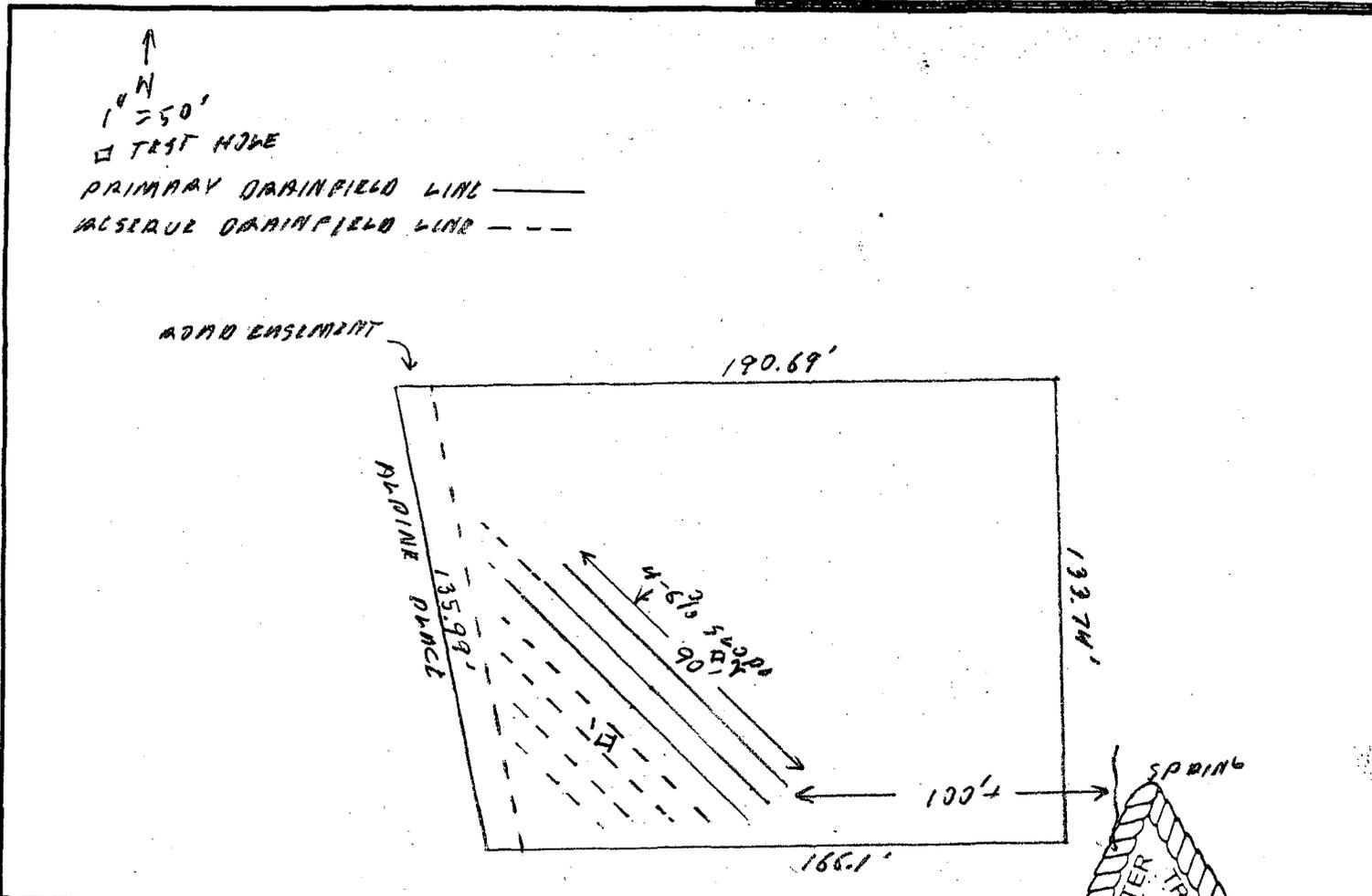
**Cowlitz County Department of Building and Planning**

**VICINITY MAP MUST SHOW:**

1. Location of property
2. Directional arrow indicating north
3. Any adjacent property addresses and landmarks near subject property
4. Nearest intersecting roads



**DO NOT USE SITE PLAN FRAME AS PROPERTY LINES!**



**SITE PLAN MUST SHOW:**

1. Lot dimensions and property lines.
2. Directional arrow indicating north.
3. Road location and any existing or proposed driveways.
4. All proposed and existing structures, their dimensions and distances to each other, to property lines, and to centerline of road.
5. Location of soil test area, drainfield, reserve area, slope of land, well, and their distances to proposed structures or projects.
6. Location and amount of any fill or grading.
7. Location of address stake, if applicable.
8. All bodies of water, natural and manmade (streams, creeks, rivers, ditches, etc.), and distance to proposed structures or development.
9. All easements (utility, access, etc.)
10. Adjacent property addresses and uses.
11. Draw to scale, if possible.

