

**SITE CHARACTERISTICS**

Topography: General Topographic Characteristics Southeast Facing Slope  
Drainage Characteristics Fairly Well Drained  
Slopes: General 0 - 20 % Proposed Drainfield Location 10 - 15%  
Geology: Type of Bedrock & Depth NO DATA  
Vegetation: BRUSH  
Distance to, and type of, nearest surface water (If less than 250 feet): N/A  
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 Existing House

**SOIL SERIES** - As per USDA: Seaquest Silt Loam

**-SOIL LOGS-**

Log Number/Numbers: # 1

<u>Depth</u>	<u>Description</u>	<u>Comments</u>
<u>0 - 14"</u>	<u>Sandy Clay Loam</u>	<u>Weak Structure</u>
<u>14 - 44"</u>	<u>Sandy Clay Loam</u>	<u>Well Structured</u>
<u>44 - 60"</u>	<u>Clay Loam</u>	<u>Massive</u>

Log Number/Numbers: # 2

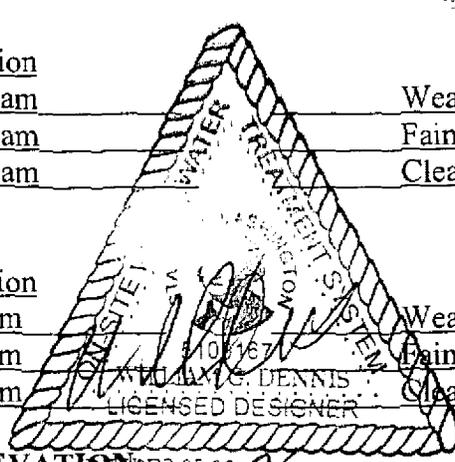
<u>Depth</u>	<u>Description</u>	<u>Comments</u>
<u>0 - 16"</u>	<u>Sandy Clay Loam</u>	<u>Weak Structure</u>
<u>16 - 40"</u>	<u>Sandy Clay Loam</u>	<u>Blocky Structure</u>
<u>40 - 60"</u>	<u>Sandy Clay</u>	

Log Number/Numbers: # 3

<u>Depth</u>	<u>Description</u>	<u>Comments</u>
<u>0 - 18"</u>	<u>Sandy Clay Loam</u>	<u>Weak Structure</u>
<u>18 - 49"</u>	<u>Sandy Clay Loam</u>	<u>Faint Mottling</u>
<u>49 - 60"</u>	<u>Sandy Clay Loam</u>	<u>Clear Mottling</u>

Log Number/Numbers: # 4

<u>Depth</u>	<u>Description</u>	<u>Comments</u>
<u>0 - 28"</u>	<u>Sandy Silt Loam</u>	<u>Weak Structure</u>
<u>28 - 38"</u>	<u>Sandy Silt Loam</u>	<u>Faint Mottling</u>
<u>38 - 60"</u>	<u>Sandy Silt Loam</u>	<u>Clear Mottling</u>



**MAXIMUM SEASONAL GROUNDWATER ELEVATION** 05-06-05  
62305

Soil Mottling Clear 49" One Hole Water Table Below 60"  
*(Depth Found & Degree of Development) (Depth to Standing Water)*

COMMENTS: Evaluated 6/08/05. Soil conforms closely to description of Seaquest silt loam in Cowlitz area soil survey.



WM. DENNIS & ASSOCIATES INC.  
 P.O. BOX 659 6362820  
 KELSO, WA 98626

225 BASSWOOD  
 SILVERLAKE  
 STEINHOFF

-SITE CHARACTERISTICS-

Topography: General Topographic Characteristics near edge of ridge  
 Drainage Characteristics: fairly well drained  
 Slopes: General 0 - 20 %; Proposed Drainfield Location 10 - 15 %  
 Geology: Type of Bedrock & Depth no data  
 Vegetation: brush  
 Distance to, and type of, nearest surface water: NA  
 (If Less than 250 Feet)  
 Distance to nearby wells: NA  
 (If Less than 250 Feet)  
 Distance to public sewers: NA  
 (If Less than 250 Feet)  
 Other structures on property: NA

-SOIL SERIES-

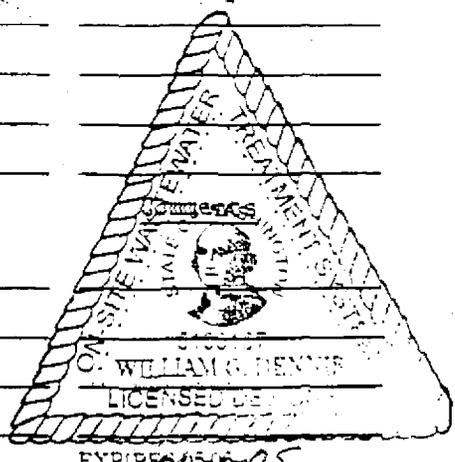
As mapped by U.S. Soil Conservation Service: OMB  
 Appears to be (if different from S.C.S. Classification): \_\_\_\_\_

-SOIL LOGS

<u>Depth</u>	<u>Description</u>	<u>Comments</u>
0 - 12 #1	silt loam	well structured
12 - 70	<i>NO SANDY</i> loam <i>10 7 2 74</i>	See attached letter regarding smaller loamigrate CRS

<u>Depth</u>	<u>Description</u>	<u>Comments</u>
0 - 30 #2	silt loam	
30 - 60	silty clay loam	

<u>Depth</u>	<u>Description</u>	<u>Comments</u>



-MAXIMUM SEASONAL GROUNDWATER ELEVATION

Soil Mottling not found Water Table not found 15 23 04  
 (Depth Found & Degree of Development) (Depth to Standing Water)

COMMENTS: \_\_\_\_\_

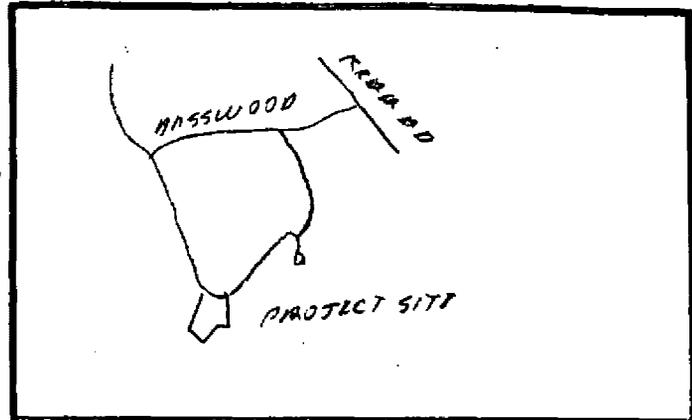
**APPROVED**

*William G. Dennis*  
 121304

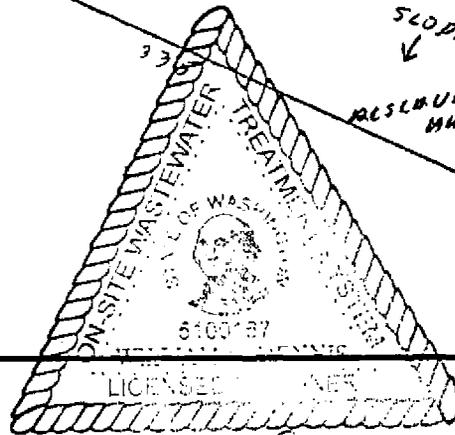
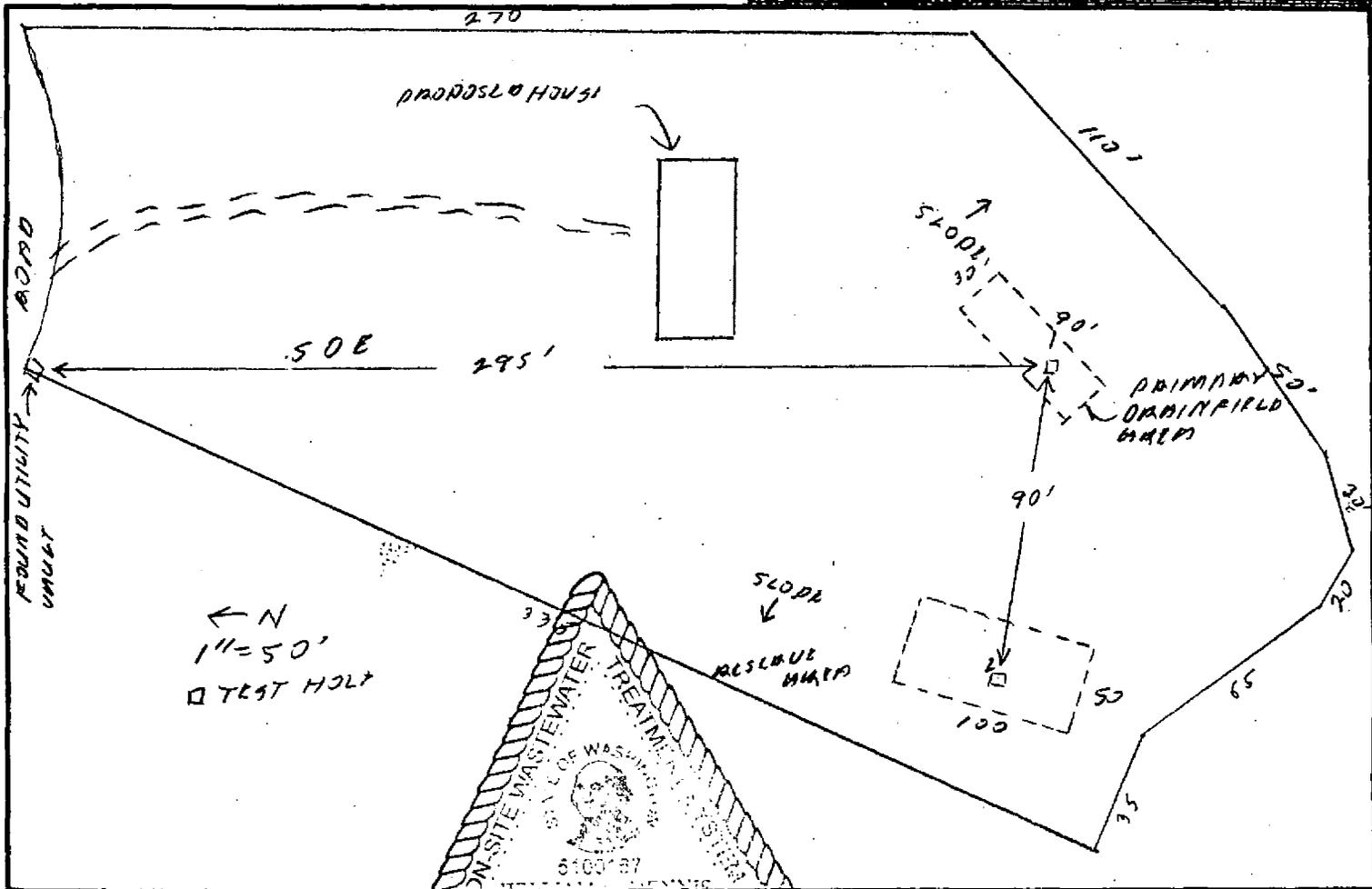
**Cowlitz County Department of Building and Planning**

**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.

**APPROVED**

SOIL EVALUATION REPORT

PROPERTY LOCATION 225 Basswood Drive, Castle Rock, WA

APPLICANT: WM. Dennis and Associates PHONE: (360) 785-3207

MAILING ADDRESS: P.O. Box 659, Kelso, WA 98626  
CITY STATE ZIP

SPECIFICATIONS:

FOR 3 BEDROOM DWELLING: SEPTIC TANK 900 GALLON MINIMUM CAPACITY (TWO COMPARTMENT)

TYPE OF WATER SUPPLY DRAINFIELD 810 SQUARE FEET TOTAL MINIMUM (LENGTH X WIDTH OF TRENCHES)

County

EXISTING x PROPOSED

LAYOUT OF SYSTEM:

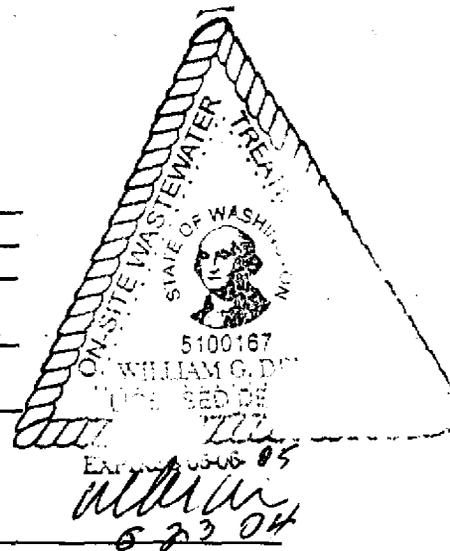
NUMBER OF DRAINFIELD LINES: 3 OR  
LENGTH OF DRAINFIELD LINES: 90' OR  
WIDTH OF DRAINFIELD LINES: 3' OR

TRENCH DEPTH: MINIMUM 18", MAXIMUM 24"

MINIMUM DISTANCE BETWEEN TRENCHES (CENTER TO CENTER): 7.5

ADDITIONAL REQUIREMENTS:

Primary 0.45 loading rate; Reserve 0.2



NOTE:

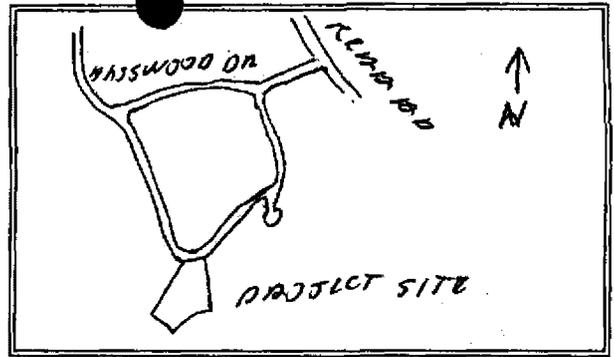
This approval indicates that a specific location on the subject property is suitable for use as a septic system. An installation permit will be issued by the Department of Building and Planning provided the site meets the requirements of other relevant regulations such as the County Comprehensive Plan, the Subdivision Ordinance, and the Shoreline Management Plan.

- OFFICE COPY
- DCD COPY \_\_\_\_\_  
Date Sent
- APPLICANT'S COPY \_\_\_\_\_  
Date Sent

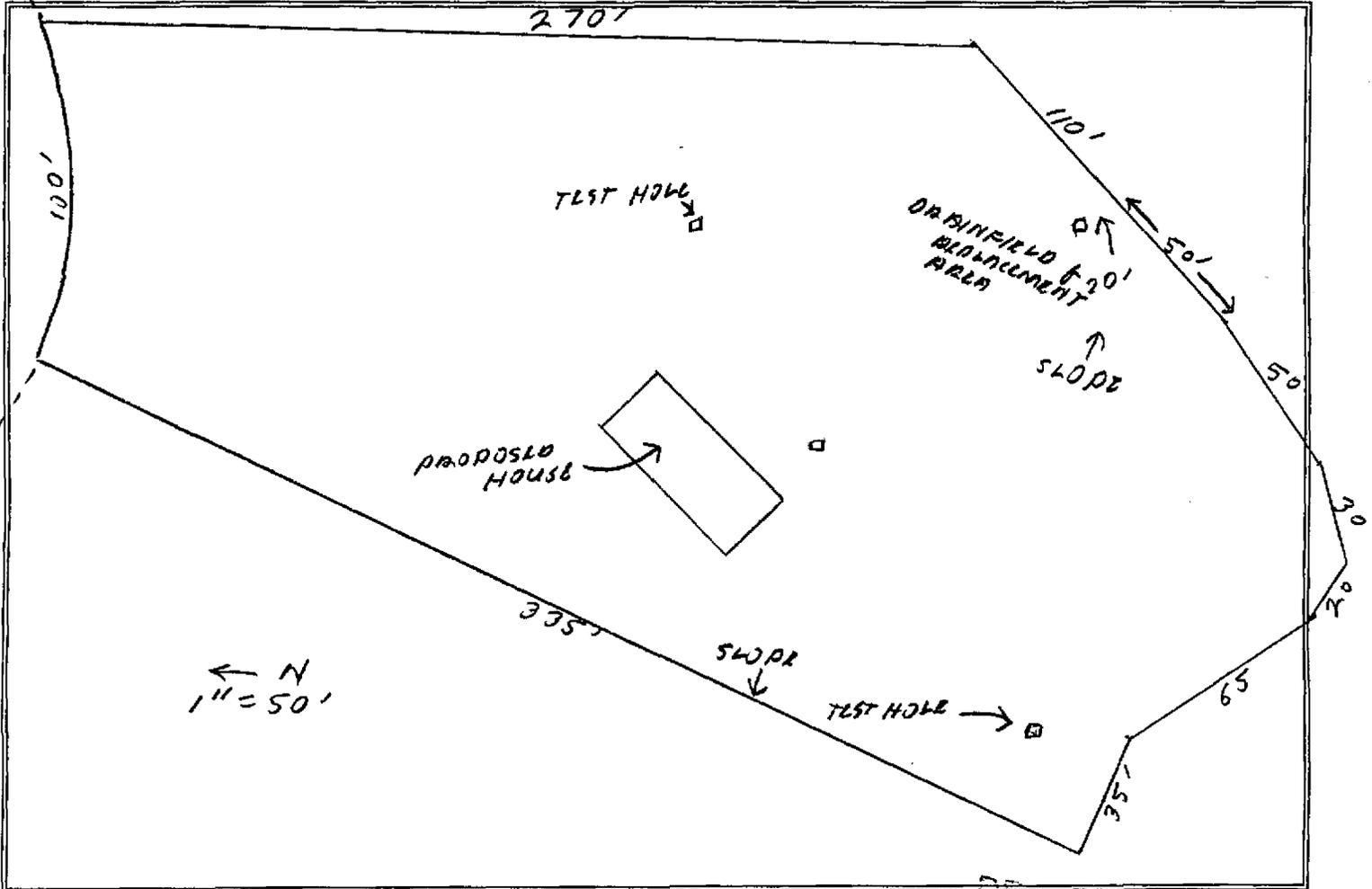
**APPROVED**

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 drainfield 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.

96081685

RECEIVED  
BLDG. & PLAN.

AUG 22 1996

-SITE CHARACTERISTICS-

Topography: General Topographic Characteristics South Facing Slope  
 Drainage Characteristics: Well Drained

Slopes: General 0 - 20 %; Proposed Drainfield Location 12 - 16 %

Geology: Type of Bedrock & Depth No Data

Vegetation: Logged Off

Distance to, and type of, nearest surface water: 200'+  
 (If Less than 250 Feet)

Distance to nearby wells: NA  
 (If Less than 250 Feet)

Distance to public sewers: NA  
 (If Less than 250 Feet)

Other structures on property: None

-SOIL SERIES-

As mapped by U.S. Soil Conservation Service: Seaquest Silt Loam

Appears to be (if different from S.C.S. Classification): NA

-SOIL LOGS

	<u>Depth</u>	<u>Description</u>	<u>Comments</u>
South Hole	<u>0 - 14"</u>	<u>Silt Loam</u>	<u>A Horizon</u>
	<u>14 - 48"+</u>	<u>Sandy Silt Loam</u>	

	<u>Depth</u>	<u>Description</u>	<u>Comments</u>
North Hole	<u>0 - 12"</u>	<u>Silt Loam</u>	<u>A Horizon</u>
	<u>12 - 24"</u>	<u>Sandy Silt Loam</u>	
	<u>24 - 36"</u>	<u>" " "</u>	
	<u>36 -</u>	<u>" " "</u>	<u>Mottled</u>

<u>Depth</u>	<u>Description</u>	<u>Comments</u>

**RECEIVED**  
**BLDG. & PLAN**  
**AUG 22 1996**

96081685

-MAXIMUM SEASONAL GROUNDWATER ELEVATION

Soil Mottling 36" North Hole Only Water Table Not Found  
 (Depth Found & Degree of Development) (Depth to Standing Water)

COMMENTS: Center drainfield over south hole close to common area boundary