Mayhugh
696 Ambler

# SOIL EVALUATION REPORT
## CONVENTIONAL SYSTEM

PROPERTY LOCATION 696 AMBLER ROAD, ARIEL, WA

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

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)

WELL

EXISTING _____ PROPOSED X

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:

LOADING RATE: 0.45 G/FT$^2$/D DRAINFIELD & REPLACEMENT AREA

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

ON-SITE WASTEWATER TREATMENT SYSTEM
STATE OF WASHINGTON
5100157
WILLIAM G. DENNIS
LICENSED DESIGNER
EXPIRES 05-06-05

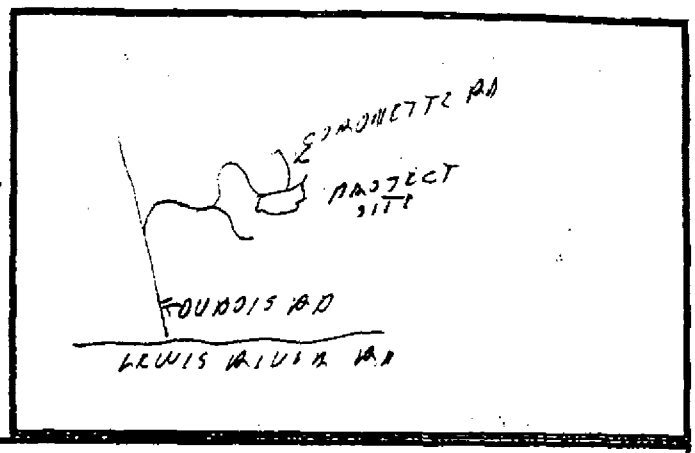
12-2-04

Mayhugh
646 Ambler

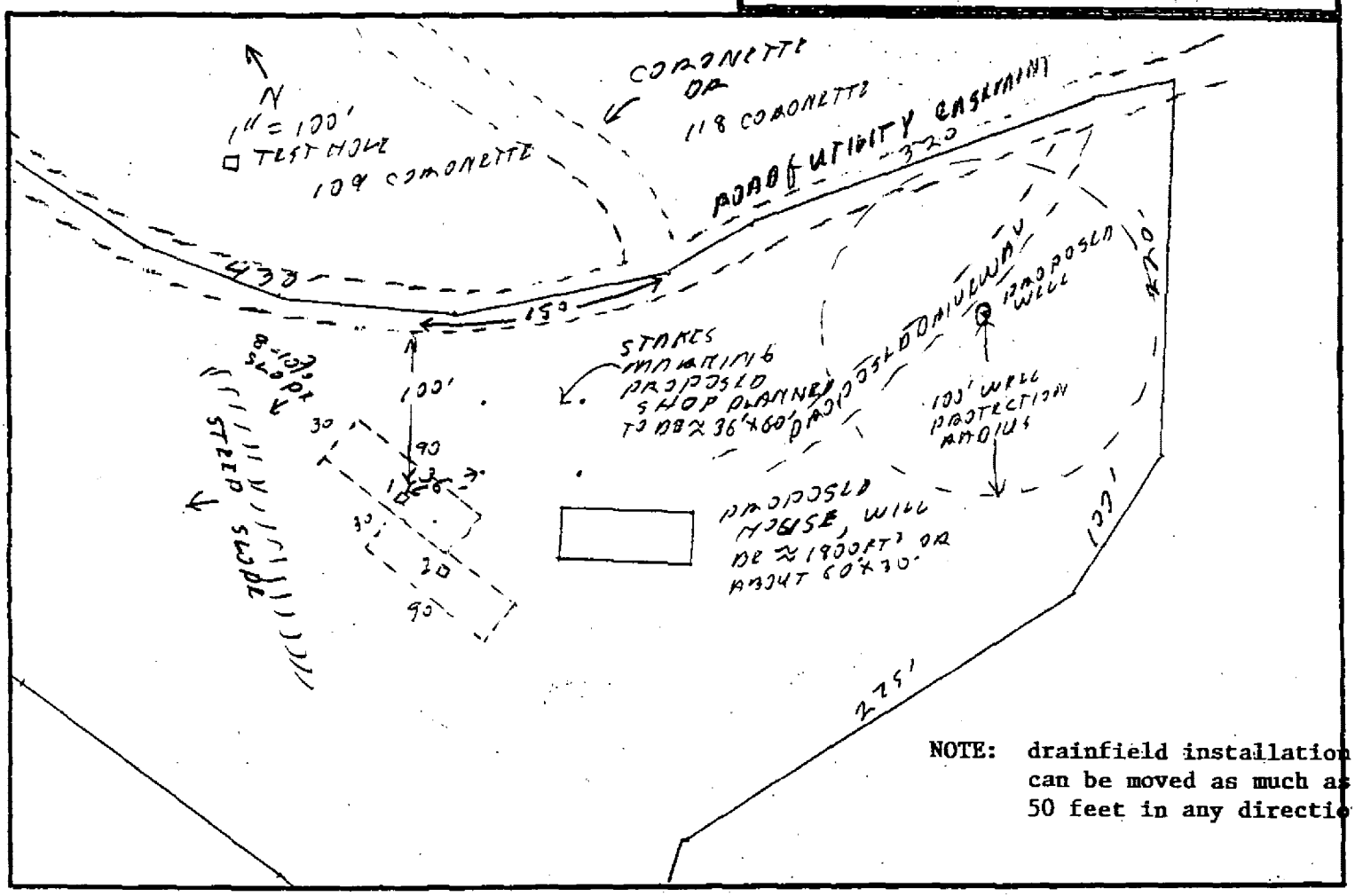
**Cowlitz County Department of Building and Planning**

**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.

ON-SITE WASTEWATER TREATMENT SYSTEM
STATE OF WASHINGTON
5100167
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-SITE CHARACTERISTICS-

Topography: General Topographic Characteristics SOUTHERN CLINING SLOPE

Drainage Characteristics: WELL DRAINED

Slopes: General 0 - 30 %; Proposed Drainfield Location 8 - 10 %

Geology: Type of Bedrock & Depth ANDESITE

Vegetation: MEADOW

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: NA

-SOIL SERIES-

As mapped by U.S. Soil Conservation Service: Ci

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

-SOIL LOGS

| Depth #1 | Description | Comments |
|---|---|---|
| 0 - 60 | SILT LOAM | WELL STRUCTURED |

| Depth #2 | Description | Comments |
|---|---|---|
| 0 - 60 | SILT LOAM | WELL STRUCTURED |

| Depth | Description | Comments |
|---|---|---|
| | | |

-MAXIMUM SEASONAL GROUNDWATER ELEVATION

Soil Mottling NA
(Depth Found & Degree of Development)

Water Table NA
(Depth to Standing Water)

COMMENTS:

ON-SITE WASTEWATER TREATMENT SYSTEM
STATE OF WASHINGTON
5100167
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EXPIRES ~~05-06-05~~
12 2 04

Please print, sign and return to the Department of Ecology

# Water Well Report

Original - Ecology, 1st copy - owner, 2nd copy - driller

**Construction/Decommission**

☑ Construction

☐ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* 156403

**Current Notice of Intent No.** WE02663

**Unique Ecology Well ID Tag No.** AHS667

**Water Right Permit No.** _____

**Property Owner Name** Don Mayhugh

**Well Street Address** 696 Ambler Road

**City** Ariel **County** Cowlitz 08

**Location** sw 1/4-1/4 ne 1/4 Sec 14 Twn 6 R 2 EWM ☑ or WWM ☐ circle one

**Lat/Long (s, t, r still REQUIRED)** Lat Deg _____ Lat Min/Sec _____ Long Deg _____ Long Min/Sec _____

**Tax Parcel No.** _____

**PROPOSED USE:** ☑ Domestic ☐ Industrial ☐ Municipal ☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other _____

**TYPE OF WORK:** Owner's number of well (if more than one) _____

☑ New well ☐ Reconditioned ☐ Deepened

*Method:* ☐ Dug ☐ Bored ☐ Driven ☐ Cable ☑ Rotary ☐ Jetted

**DIMENSIONS:** Diameter of well 6 inches, drilled 143 ft.

Depth of completed well 143 ft.

**CONSTRUCTION DETAILS**

Casing Installed: ☑ Welded 6 " Diam. from +1 ft. to 37 ft.

☑ Liner installed 4 pvc " Diam. from 3 ft. to 143 ft.

☐ Threaded " Diam. from ft. to ft.

Perforations: ☑ Yes ☐ No

Type of perforator used 3/4" drill bit

SIZE of perfs 3/4 in by in and no. of perfs 24 from 123 ft. to 143 ft.

Screens: ☐ Yes ☑ No ☐ K-Pac Location _____

Manufacturer's Name _____

Type _____ Model No. _____

Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel/Filter packed: ☐ Yes ☑ No ☐ Size of gravel/sand _____

Materials placed from _____ ft. to _____ ft.

Surface Seal: ☑ Yes ☐ No To what depth? 18 ft.

Material used in seal bentonite

Did any strata contain unusable water? ☐ Yes ☑ No

Type of water? _____ Depth of strata _____

Method of sealing strata off _____

**PUMP:** Manufacturer's Name _____

Type _____ H.P. _____

**WATER LEVELS:** Land-surface elevation above mean sea level _____ ft.

Static level 28 ft. below top of well Date 9-3-04

Artesian pressure _____ lbs. per square inch Date _____

Artesian water is controlled by _____ (cap, valve, etc.)

**WELL TESTS:** Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☑ No If yes, by whom? _____

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

*Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)*

| Time | Water Level | Time | Water Level | Time | Water Level |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |

Date of test _____

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Airtest 7 1/2 gal./min. with stem set at _____ ft. for 1 hrs.

Artesian flow _____ g.p.m. Date _____

Temperature of water _____ Was a chemical analysis made? ☐ Yes ☑ No

**CONSTRUCTION OR DECOMMISSION PROCEDURE**

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information indicate all water encountered. (USE ADDITIONAL SHEETS IF NECESSARY.)

| MATERIAL | FROM | TO |
|---|---|---|
| Topsoil and subsoil | 0 | 4 |
| Clay, tan | 4 | 7 |
| Same with broken rock | 7 | 13 |
| Basalt, gray broken | 13 | 28 |
| Shale, gray, medium hard | 28 | 51 |
| Basalt, gray | 51 | 74 |
| Rock, brown, weathered | 74 | 86 |
| Rock, gray | 86 | 129 |
| Shale, brown | 129 | 143 |

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Start Date 9-2-04 Completed Date 9-3-04

**WELL CONSTRUCTION CERTIFICATION:** I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

Driller/Engineer/Trainee Name (Print) Reazo W. Redinger III

Driller/Engineer/Trainee Signature Reazo W. Redinger III Trainee

Driller or trainee License No. 1294

Drilling Company Redinger Inc.

Address P.O Box 100

City, State, Zip Yacolt, WA 98675

Contractor's Registration No. REDINI*088MW Date 9-3-04

IF TRAINEE, Driller's Licensed No. _____ Driller's Signature _____

Ecology is an Equal Opportunity Employer. ECY 050-1-20 (Rev 2/03)

Un 2.2.05

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