



# Cowlitz County Health and Human Services

PHONE: 360-414-5599 FAX: 360-425-7531

WEBSITE: [www.co.cowlitz.wa.us/hhs](http://www.co.cowlitz.wa.us/hhs)

Main Campus: 1952 9th Avenue, Longview, WA 98632 [askcowlitzhealth@cowlitzwa.gov](mailto:askcowlitzhealth@cowlitzwa.gov)  
Environmental Health Unit: 207 4th Avenue North, Kelso, WA 98626 [OMSeptic@cowlitzwa.gov](mailto:OMSeptic@cowlitzwa.gov)

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## SOILS EVALUATION

**Status:** Approved

**Date:** July 23, 2025

**Record Number:** EHU-07-25-0671

**Project Address:** UNADDRESSED

**Project Parcel:** 411840113

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**Applicant:** ADVANCED SEPTIC CONSULTING  
3210 WESTSIDE HWY.  
CASTLE ROCK, WA 98611

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### GENERAL INFORMATION

**Designer:** TRAVIS BUCK  
**Business Name:** ADVANCED SEPTIC CONSULTING  
**Phone Number:** 3604335476  
**Email:** [dirtwhisperer@gmail.com](mailto:dirtwhisperer@gmail.com)

**Proposed Use:** Residential  
**Number of Bedrooms:** 2  
**Design Flow (GPD):** 240

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### SUBDIVISION INFORMATION

This soils evaluation is intended for Large Lot subdivision China Garden View Estates.  
The proposed lot number is 11 of 45.

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### DRAINFIELD INFORMATION

#### Usable Land Area1

Proposed Treatment Level: E  
Proposed Drainfield Type: Equal Distribution  
Usable Land Area: 2500 Sq. Ft.

#### Usable Land Area2

Proposed Treatment Level: B & BL2  
Proposed Drainfield Type: Pressure Distribution  
Usable Land Area: 2500 Sq. Ft.

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## COMMENTS

The Cowlitz County Department of Health – Environmental Health Unit (EHU) has evaluated the soil report submitted by your on-site sewage system (OSS) designer or Engineer. The following are our findings:

The EHU has evaluated the soil log(s), texture, structure, and compaction of the Soil and Site Evaluation Report submitted by a Washington State licensed Designer or Engineer.

**This site appears to be able to, at this time, support an OSS as proposed.**

Approved Soil and Site evaluations are valid for five (5) years from the approval date. The proposed septic primary and reserve area(s) set-aside for future septic use must be protected from grading, fill, compaction, or any other alteration that may change soil characteristics. Soil and Site evaluations may be invalidated if the proposed septic area(s) are not protected.

In order to install a septic system on this property a complete OSS design, meeting the standards of the time, must be submitted to the EHU.

For future well construction: When drilled, the well must maintain a 100' setback from the approved, proposed primary and reserve septic areas or new test holes will need to be opened and evaluated.

## CONDITIONS

- **THIS IS NOT A PERMIT TO INSTALL A SEPTIC SYSTEM**
- **THIS IS NOT A DESIGN APPROVAL**
- **THIS SOIL AND SITE APPROVAL DOES NOT GUARANTEE THE PLAUSIBILITY OF SEPTIC SYSTEM APPROVAL FOR THIS SITE**

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**This Evaluation Valid Until: 7/23/2030**

Approved By: *Nic Bakotich* Date of Approval: 7/23/2025

Nic Bakotich  
Environmental Health Specialist (Agent of the Health Officer)



**Advanced Septic Consulting Inc.**

**Site Evaluation & Soil Report for Lot 11 @ Parcel Number: 411840113**

July 9, 2025

Design Number: 25-151.11

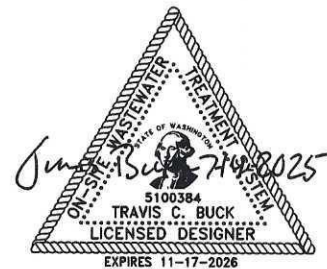
Customer: Preston Enterprises LLC, PO Box 1132 Woodland, Washington 98674

Project Location: China Garden Rd. Kalama, Washington 98625

Section: 16 Township: 6N Range: 1W Lot: 11 of 45

Parcel Number: 411840113 Acres: 2.2 +/-

Type of Water Supply: City of Kalama Public Water



**EHU 07-25-0671**



# Advanced Septic Consulting Inc.

July 9, 2025

Design Number: 25-0751-11

Customer: Preston Enterprises LLC, PO Box 1132 Woodland, Washington 98674

Project Location: China Garden Rd. Kalama, Washington 98625

Section: 16 Township: 6N Range: 1W Lot: 11 of 45

Parcel Number: 411840113 Acres: 2.2 +/- Type of Water Supply: City of Kalama Public Water



## Site Characteristics:

The site is located within USDA-NRCS mapping unit 191 – Schneider-Rock Outcrop Complex. Typical depth to the water table is greater than 80 inches. The site is well drained in usable land area #1 with a restrictive layer present at 60 inches. Usable land area #2 has moderate mottling and a restrictive layer noted ranging from 27 to 30 inches. Typical slope ranges from 65 to 90%. Usable land area #1 is on a north facing slope with a slope ranging from 20 to 26%. Vegetation in the septic area mostly consists of field grass and brush.

## Soil Evaluation:

	<u>Depth</u>	<u>Soil</u>	<u>Type</u>	<u>Structure</u>	<u>Color</u>	<u>Roots</u>	<u>Mottling</u>
<b>Test Hole #1</b>	0-18"	siCL	5	2, m, sbk	10yr3/4	c/f	None
	18-30"	siCL	5	2, m, sbk	10yr4/4	f/f	None
	30-36"	siCL	7	1, m, sbk	Mixed	None	Moderate
<b>Test Hole #2</b>	0-8"	SiL	5	3, m, gr	10yr4/4	c/f	None
	8-27"	SiL	5	2, m, sbk	10yr4/4	f/f	None
	27-30"	Bedrock					
<b>Test Hole #3</b>	0-14"	SiL	5	2, m, sbk	10yr4/2	m/m, f	None
	14-68"	siCL	5	2, m, sbk	10yr4/4	c/f	None
	68-72"	siCL	6	1, m, sbk	Mixed	f/f	None
<b>Test Hole #4</b>	0-12"	SiL	5	2, m, sbk	10yr4/2	m/m, f	None
	12-34"	siCL	5	2, m, sbk	10yr4/4	f/f	None
	34-60"	siCL	5	2, m, sbk	Mixed	f/f	None
	60-63"	Parent Material					

## Design Requirements:

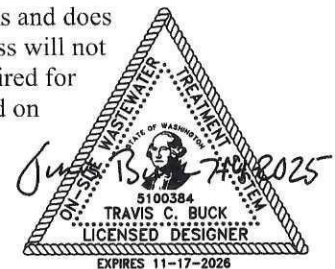
Based upon the soil evaluation performed on June 11, 2025 the soil onsite is a type 5 soil and requires a designation of 5,000 sq. ft. of usable land area available for septic designation. 2 usable land areas were established each with an area of 2,500 sq. ft. for a total of 5,000 sq. ft.

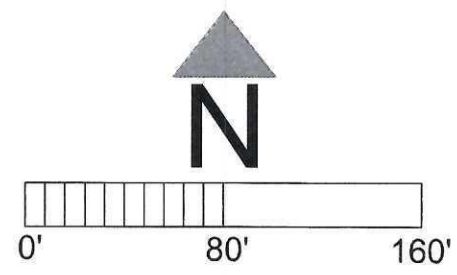
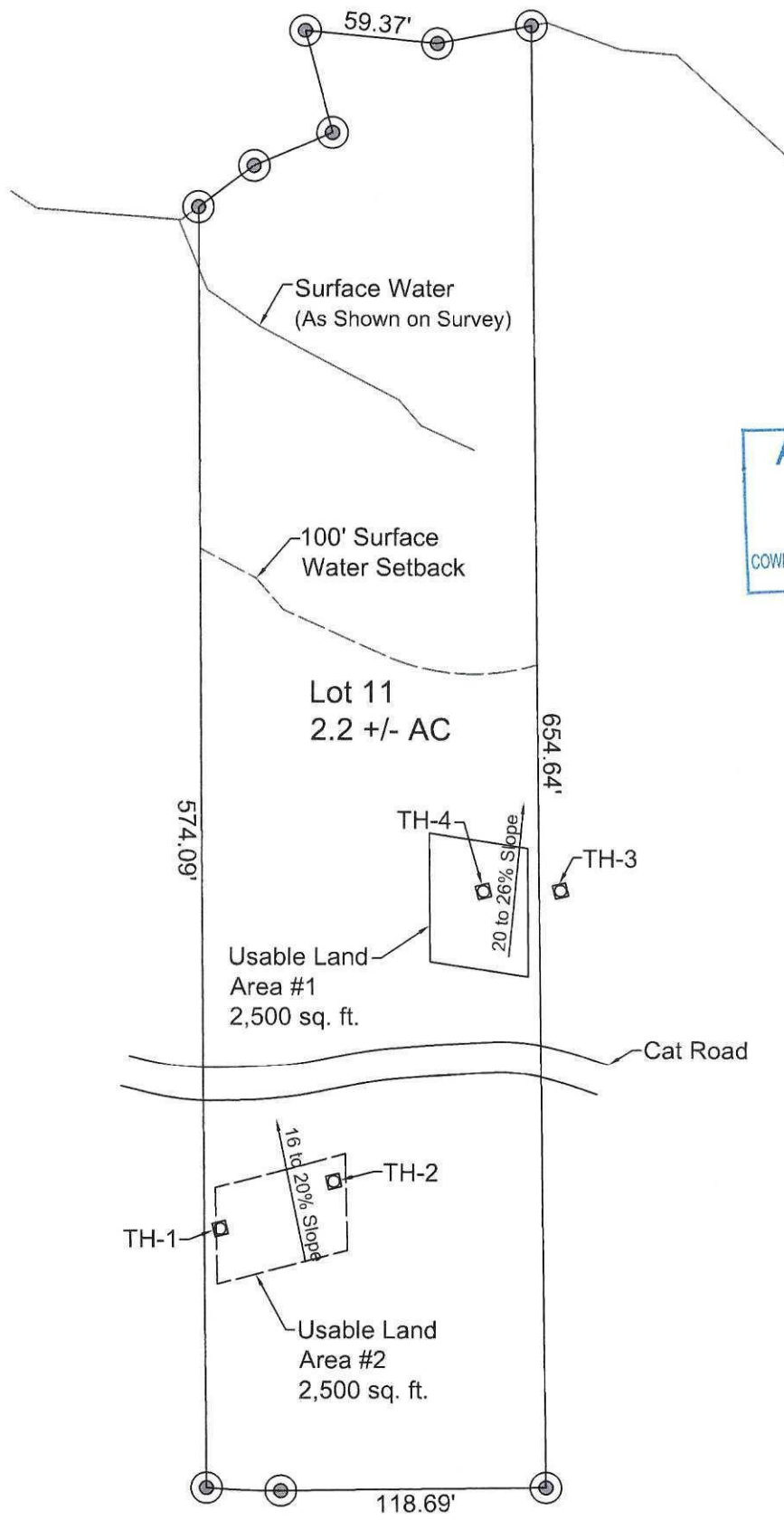
Usable land area 1 is adequate for a standard gravity flow system meeting treatment level E.

Usable land area 2 has been designated using a pre-treatment level B and BL2 system followed by a pressure distribution drain field.

**Other comments or concerns:** The minimum usable land area required is based on table IV WAC 246-272A. Criteria for determining useable land area is based on WAC 246-272A required setbacks and does not guarantee that future studies performed as part of the environmental planning process will not have an impact on the useable land area. For septic design purposes, the land area required for septic design approval may be smaller or larger than the area shown on this report based on the number of bedrooms and type of system designed.

**EHU 07-25-0671**



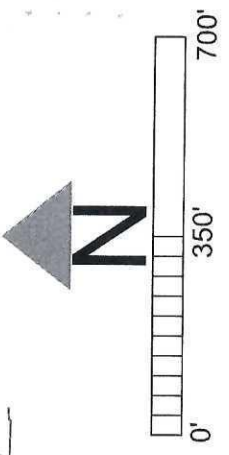


**APPROVED**  
 JUL 23 2025  
 COWLITZ COUNTY HEALTH DEPARTMENT  
 ENVIRONMENTAL HEALTH

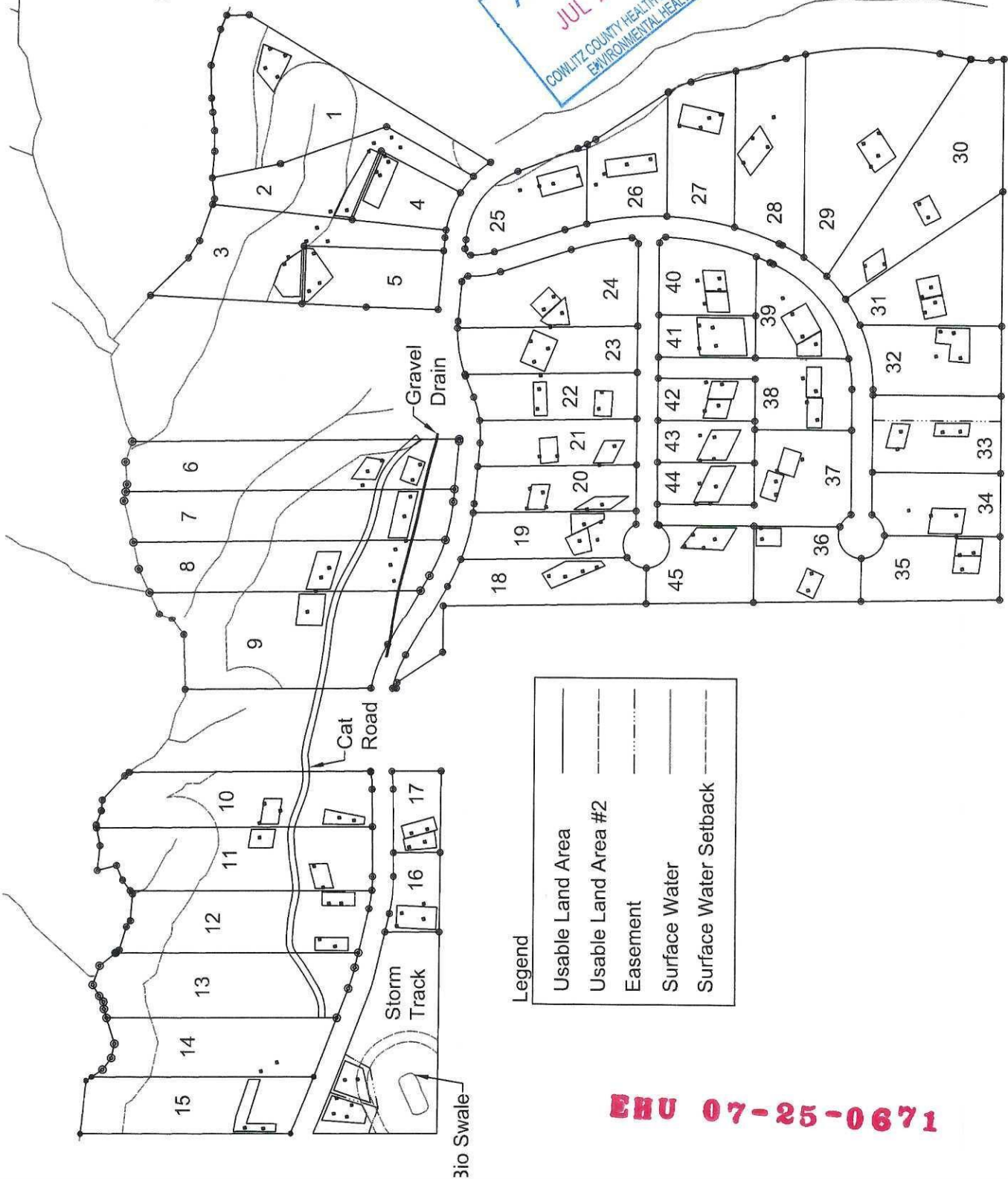
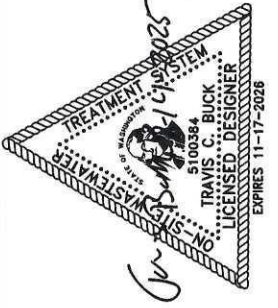
**EHU 07-25-0671**

June 23 2025  
 TRAVIS C. BUCK  
 5100384  
 LICENSED DESIGNER  
 EXPIRES 11-17-2026

Preston Enterprises LLC Parcel Number: 411840113 Kalama, Washington 98625	Advanced Septic Consulting Inc. 3210 Westside Hwy. Castle Rock, Washington 98611 Cell: 360-433-5476 E-Mail: dirtwhisperer@gmail.com	Design: 25-151.11 Drawing: 1	Date: 7/9/2025 Scale: 1" = 80'
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 JUL 23 2025  
 COWLITZ COUNTY HEALTH DEPARTMENT  
 ENVIRONMENTAL HEALTH



**Legend**

Usable Land Area	———
Usable Land Area #2	-----
Easement	.....
Surface Water	~~~~~
Surface Water Setback	-----

**EHU 07-25-0671**

'reston Enterprises LLC 'arcel Number: 411840113 'alama, Washington 98625	Design: 25-151	Date: 7/11/2025
	Drawing: 2      Scale: 1" = 350'	
Advanced Septic Consulting Inc. 3210 Westside Hwy. Castle Rock, Washington 98611 Cell: 360-433-5476    E-Mail: dirtwhisperer@gmail.com		