



# 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 24, 2025

Record Number: EHU-07-25-0691

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 31 of 45.

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### DRAINFIELD INFORMATION

#### Usable Land Area1

Proposed Treatment Level: E

Proposed Drainfield Type: Equal Distribution

Usable Land Area: 2500Sq. Ft.

#### Usable Land Area2

Proposed Treatment Level: E

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: 7/24/2030**

Approved By: \_\_\_\_\_



**Date of Approval: 7/24/2025**

Nic Bakotich

Environmental Health Specialist (Agent of the Health Officer)



## Advanced Septic Consulting Inc.

Site Evaluation & Soil Report for Lot 31 @ Parcel Number: 411840113

July 9, 2025

Design Number: 25-151.31

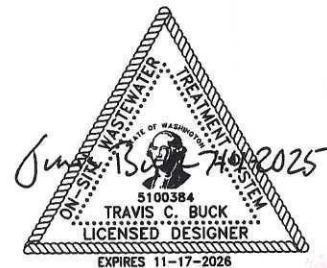
Customer: Preston Enterprises LLC, PO Box 1132 Woodland, Washington 98674

Project Location: China Garden Rd. Kalama, Washington 98625

Section: 16 Township: 6N Range: 1W Lot: 31 of 45

Parcel Number: 411840113 Acres: 1.6 +/-

Type of Water Supply: Public Water



**EHU 07-25-0691**



## Advanced Septic Consulting Inc.

July 9, 2025

Design Number: 25-151.31

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: 31 of 45

Parcel Number: 411840113 Acres: 1.6 +/- Type of Water Supply: City of Kalama Public Water



### Site Characteristics:

The site is located within USDA-NRCS mapping unit 147 – Olympic Silt Loam. Typical depth to the water table is greater than 80 inches. The site is moderately well drained in the usable land areas with no mottling noted. A restrictive layer is noted ranging from 51 to 53 inches in usable land area 1 and from 40 to 45 inches in usable land area 2. Typical slope ranges from 8 to 20%. The usable land area is on a south facing slope with a slope ranging from 14 to 18%. Vegetation in the usable land area is field grass.

### 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>	0-8"	SiL	5	3, m, gr	10yr3/4	m/m, f	None
	8-45"	g, siCL	5	2, m, sbk	Mixed	f/f	None
	45-50"	Bedrock					
<b>Test Hole #2</b>	0-15"	SiL	5	3, m, gr	10yr3/4	m/m, f	None
	15-51"	siCL	5	2, m, sbk	10yr4/4	f/f	None
<b>Test Hole #3</b>	0-13"	SiL	5	3, m, gr	10yr3/4	m/m, f	None
	13-53"	siCL	5	2, m, sbk	10yr4/4	f/f	None
<b>Test Hole #4</b>	0-17"	SiL	5	3, m, gr	10yr3/4	m/m, f	None
	17-40"	siCL	5	2, m, sbk	Mixed	f/f	None
	40-46"	Bedrock					

### Design Requirements:

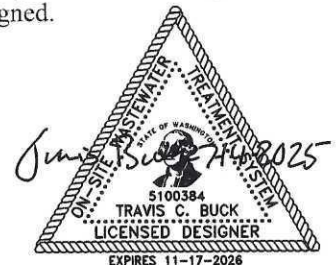
Based upon the soil evaluation performed on June 11, 2025 the soil onsite is a type 5 soil and requires a designation of 5,000 sq. ft. of usable land area available for septic designation. 2 usable land areas were established each with an area of 2,500 sq. ft. for a total of 5,000 sq. ft.

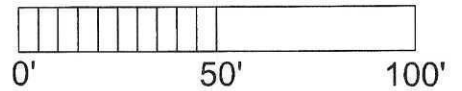
Usable land area 1 is adequate for a standard gravity flow system meeting treatment level E.

Usable land area 2 has been designated using a standard pressure distribution system meeting treatment level E.

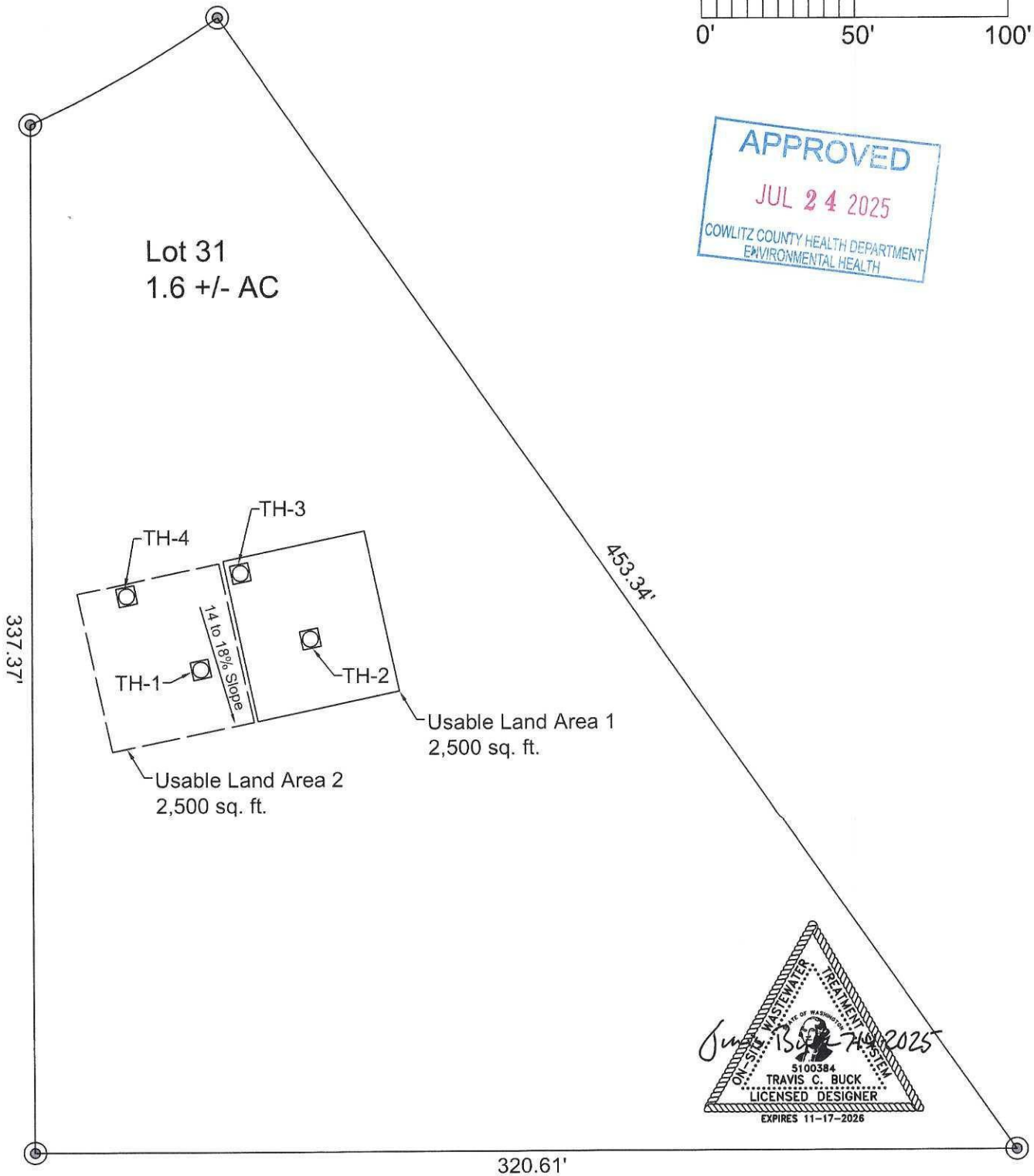
**Other comments or concerns:** The minimum usable land area required is based on table IV WAC 246-272A. Criteria for determining useable land area is based on WAC 246-272A required setbacks and does not guarantee that future studies performed as part of the environmental planning process will not have 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.

**ERU 07-25-0691**





**APPROVED**  
JUL 24 2025  
COWLITZ COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH

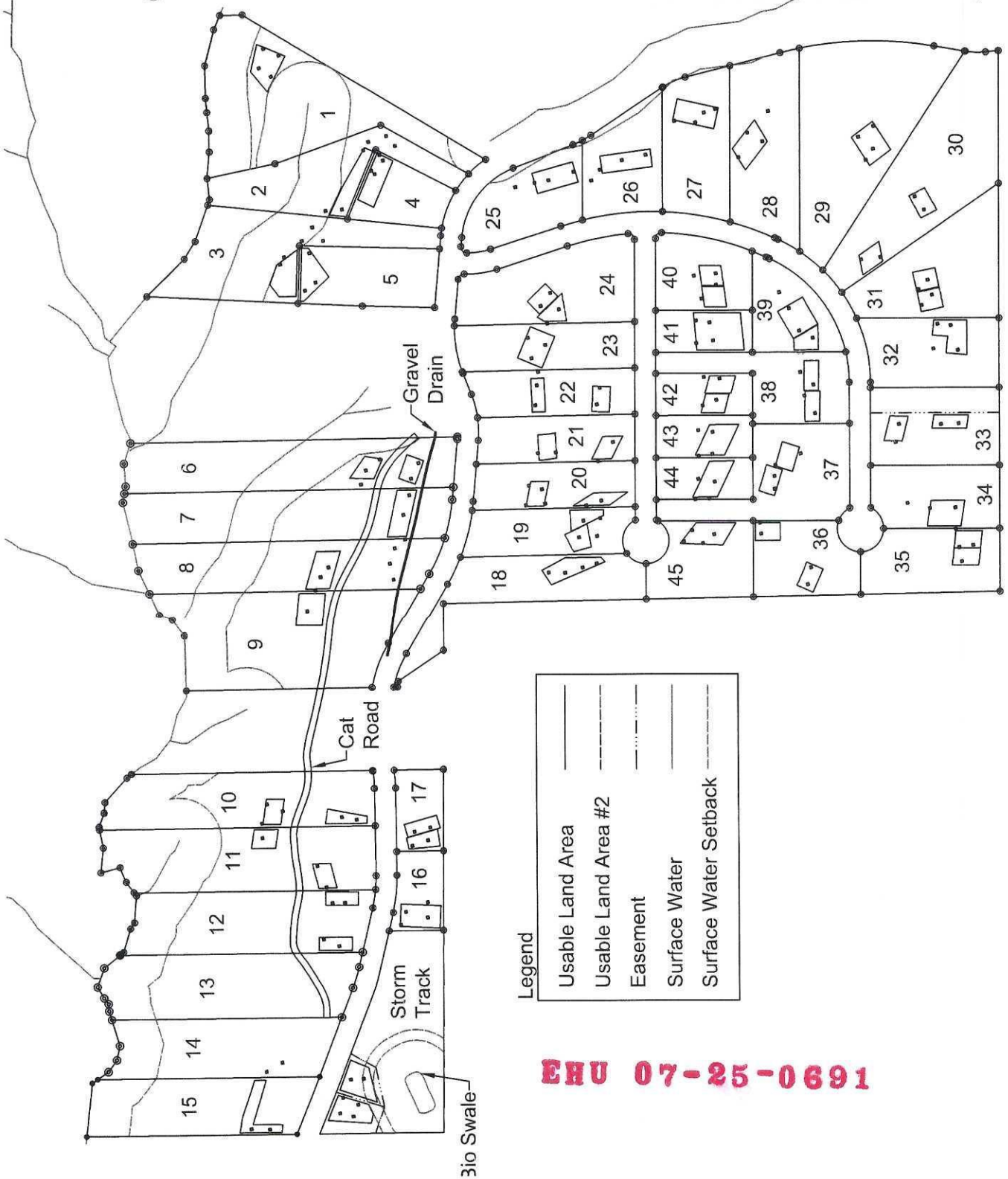
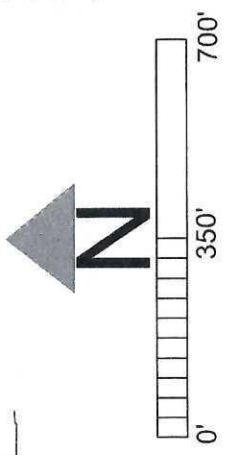


**EHU 07-25-0691**

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: 25-151.31	Date: 7/9/2025
Drawing: 1	Scale: 1" = 50'

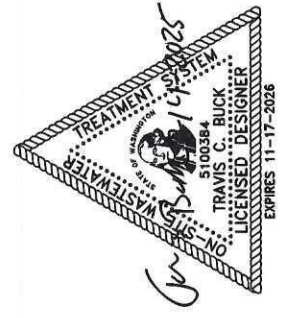


Legend

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

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 ENVIRONMENTAL HEALTH



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