



# 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: January 05, 2026

Record Number: [EHU-12-25-1189](#)

Project Address: UNADDRESSED

Project Parcel: 411840113

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Applicant: TRAVIS BUCK 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.

The proposed lot number is 25 of 45.

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## DRAINFIELD INFORMATION

### Usable Land Area

Proposed Treatment Level: B and BL2

Proposed Drainfield Type: Pressure Distribution

Usable Land Area: 5000 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: 1/5/2031**

Approved By: Brian J. Hetland Date of Approval: 1/5/2026

Brian Hetland  
Environmental Health Specialist (Agent of the Health Officer)



**Advanced Septic Consulting Inc.**

**Site Evaluation & Soil Report for Lot 25 @ Parcel Number: 411840113**

December 15, 2025

Design Number: 25-294.25

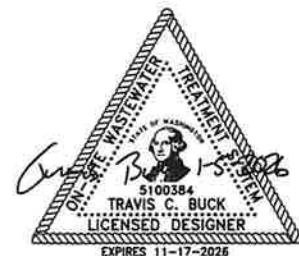
Customer: Preston Enterprises LLC, PO Box 1132 Woodland, Washington 98674

Project Location: Carmen Dr. Kalama, Washington 98625

Section: 16 Township: 6N Range: 1W

Parcel Number: 411840113 Acres: 0.59 Lot 25 of 45

Type of Water Supply: City of Kalama Public Water



EHV-12-25-1189



## Advanced Septic Consulting Inc.

December 15, 2025

Design Number: 25-294.25

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

Project Location: Carmen Dr. Kalama, Washington 98625

Section: 16 Township: 6N Range: 1W

Parcel Number: 411840113 Acres: 0.59 Lot 25 of 45

Distance to Water Supply: City of Kalama Public Water

### Site Characteristics:

The site is located within USDA-NRCS mapping unit 78 – Hazeldell Gravelly Silt Loam. Typical water table is greater than 80 inches. The site however, is somewhat poorly drained in the usable land area with moderate mottling and a restrictive layer noted ranging from 20 to 36 inches. Typical slope ranges from 30 to 65%. The usable land area is on a northeast facing slope with a slope ranging from 14 to 16%. Vegetation in the septic 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>	0-20"	SiL	5	3, m, gr	10yr3/2	m/f	None
	20-28"	siC	7	Massive	Mixed	None	Moderate
<b>Test Hole #2</b>	0-21"	SiL	5	3, m, gr	10yr3/2	m/f	None
	21-36"	CL	5	2, m, sbk	Mixed	c/f	None
	36-45"	g, L	7	Massive	Mixed	None	None
<b>Test Hole #3</b>	0-14"	SiL	5	3, m, gr	10yr3/2	m/f	None
	14-32"	siCL	5	2, m, sbk	10yr4/3	c/f	None
	32-36"	g, L	7	Massive	Mixed	None	None
<b>Test Hole #4</b>	0-21"	SiL	5	3, m, gr	10yr3/2	m/f	None
	21-30"	siCL	5	2, m, sbk	10yr4/3	c/f	None
	30-34"	g, L	7	Massive	Mixed	None	None

### Design Requirements:

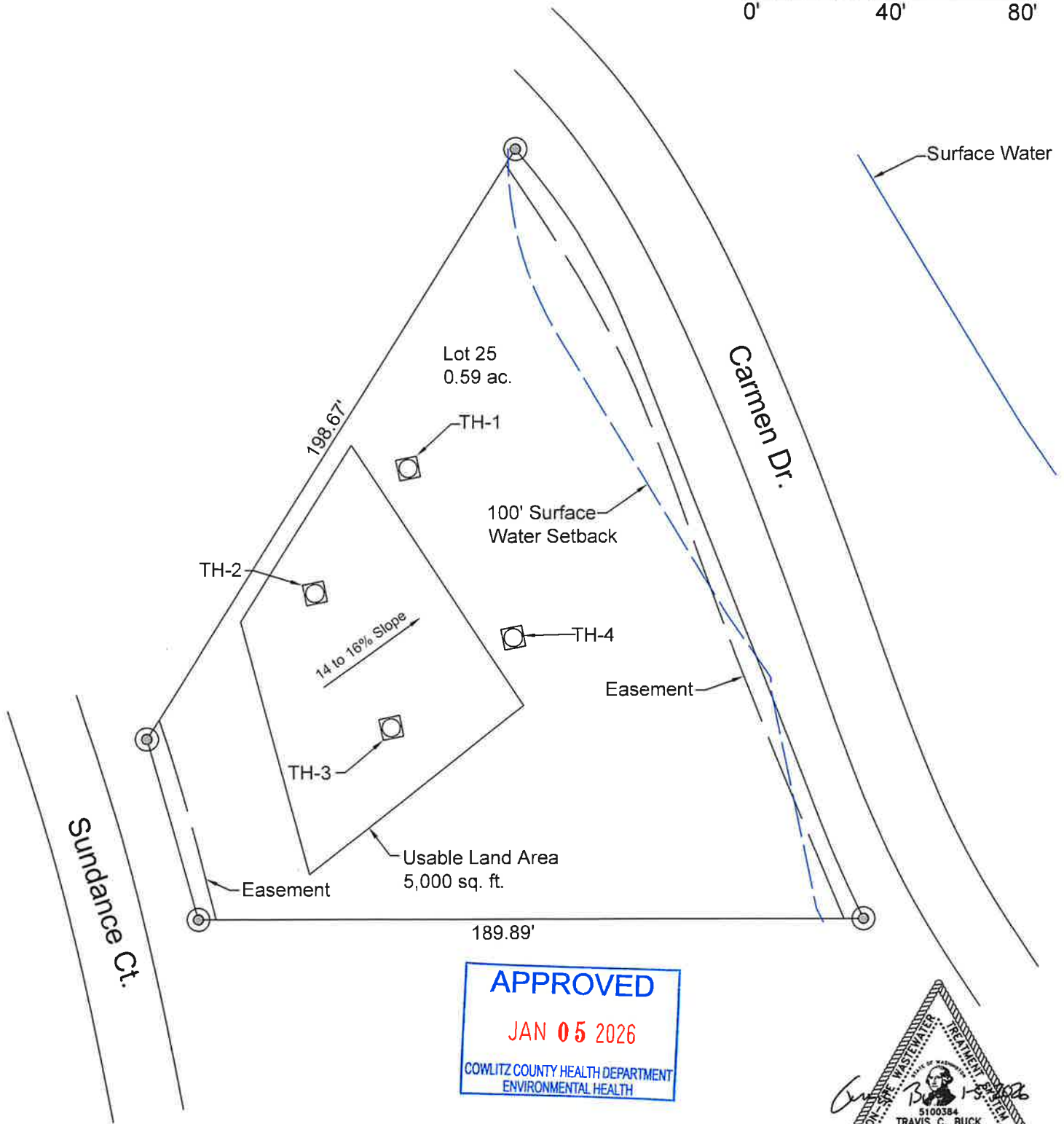
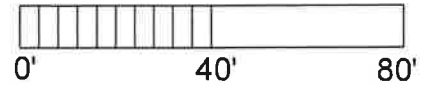
Based upon the evaluation performed on November 20, 2025 the soil onsite is a type 5 soil and requires a designation of 5,000 sq. ft. of usable land area available for septic designation.

The usable land area will require a pre-treatment to pressure distribution system meeting treatment level B & BL2

**Other comments or concerns:** The minimum usable land area required is based on table IV WAC 246-272A. Criteria for determining useable land area are based on WAC 246-272A required setbacks 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.



EHV-12-25-1189



**APPROVED**  
**JAN 05 2026**  
 COWLITZ COUNTY HEALTH DEPARTMENT  
 ENVIRONMENTAL HEALTH



E40-11-25-1189

Preston Enterprises LLC  
 Parcel Number: 411840113  
 Kalama, Washington 98625

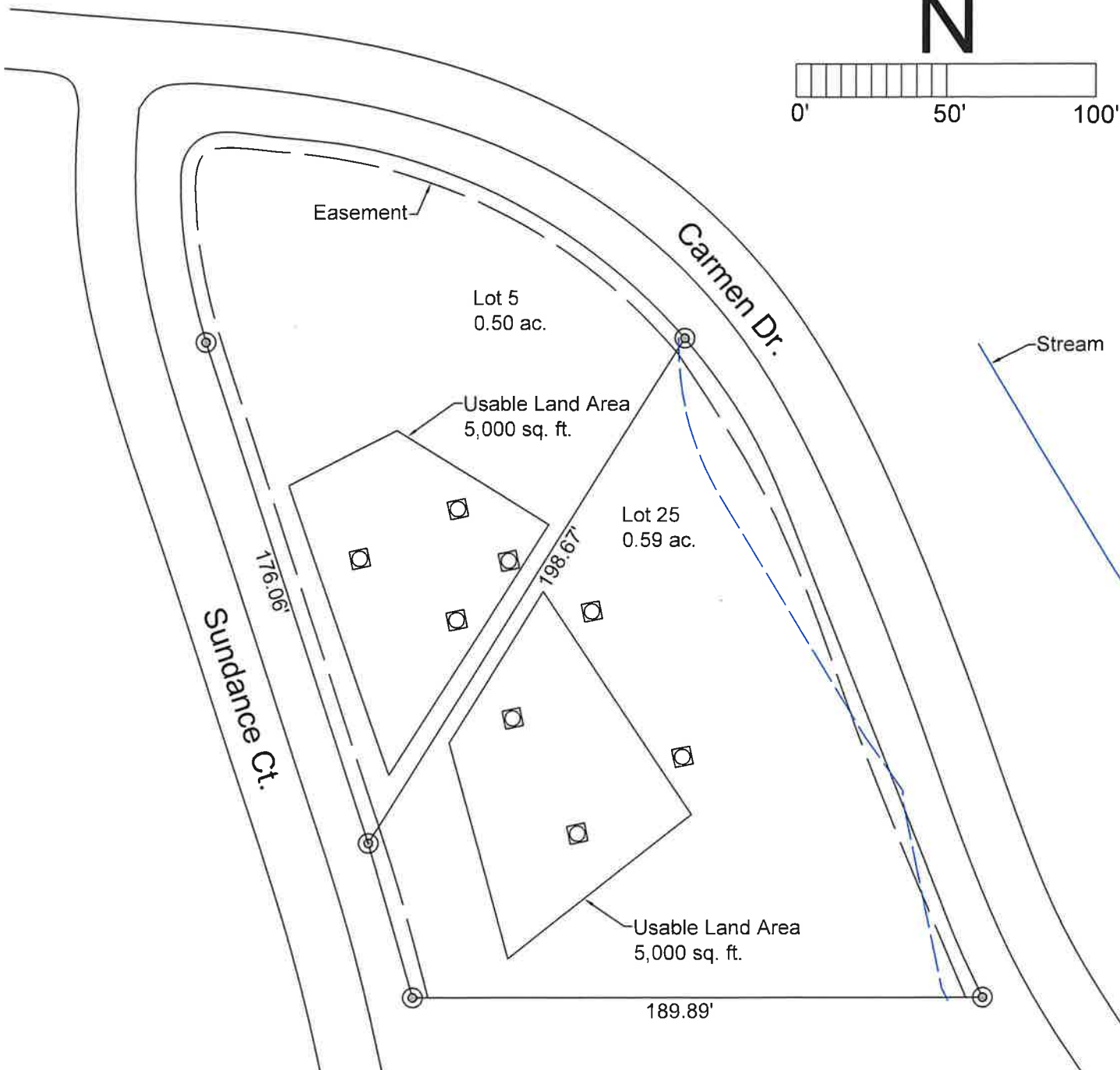
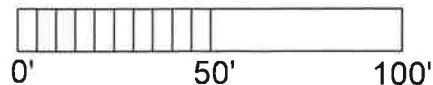
Advanced Septic Consulting Inc.  
 3210 Westside Hwy. Castle Rock, Washington 98611  
 Cell: 360-433-5476 E-Mail: dirtwhisperer@gmail.com

Design:  
 25-294.25

Date:  
 12/15/2025

Drawing: 1

Scale: 1" = 40'



**APPROVED**  
JAN 05 2026  
COWLITZ COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH



EHV-12-25-1189

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: 25-294 Drawing: 2	Date: 12/15/2025 Scale: 1" =50'
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