



Cowlitz County Health and Human Services

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

WEBSITE: www.co.cowlitz.wa.us/hhs

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

SOILS EVALUATION

Status: Approved

Date: July 23, 2025

Record Number: EHU-07-25-0672

Project Address: UNADDRESSED

Project Parcel: 411840113

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

GENERAL INFORMATION

Designer: TRAVIS BUCK
Business Name: ADVANCED SEPTIC CONSULTING
Phone Number: 3604335476
Email: dirtwhisperer@gmail.com

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

SUBDIVISION INFORMATION

This soils evaluation is intended for Large Lot subdivision China Garden View Estates.
The proposed lot number is 12 of 45.

DRAINFIELD INFORMATION

Usable Land Area1

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

Usable Land Area2

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

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**

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 12 @ Parcel Number: 411840113

July 9, 2025

Design Number: 25-151.12

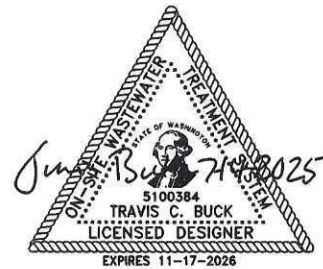
Customer: Preston Enterprises LLC, PO Box 1132 Woodland, Washington 98674

Project Location: China Garden Rd. Kalama, Washington 98625

Section: 16 Township: 6N Range: 1W Lot: 12 of 45

Parcel Number: 411840113 Acres: 1.95 +/-

Type of Water Supply: City of Kalama Public Water



ERU 07-25-0672



Advanced Septic Consulting Inc.

July 9, 2025

Design Number: 25-151.12

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: 12 of 45

Parcel Number: 411840113 Acres: 1.95 +/- 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 septic areas with moderate mottling and a restrictive layer noted ranging from 28 to 50 inches. Typical slope ranges from 8 to 20%. The proposed primary septic area is on a northwest facing slope with a slope ranging from 10 to 14%. Vegetation in the septic area has mostly been cleared.



Soil Evaluation:

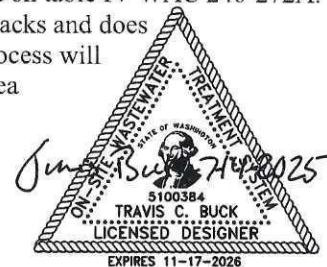
	<u>Depth</u>	<u>Soil</u>	<u>Type</u>	<u>Structure</u>	<u>Color</u>	<u>Roots</u>	<u>Mottling</u>
Test Hole #1	0-12"	SiL	5	3, m, gr	10yr4/2	m/f	None
	12-45"	siCL	5	2, m, sbk	10yr4/4	m/f	None
	45-57"	siCL	7	Massive	Mixed	None	Moderate
Test Hole #2	0-10"	SiL	5	3, m, gr	10yr4/2	m/f	None
	10-28"	siCL	5	2, m, sbk	10yr4/4	f/f	None
	28-33"	Bedrock					
Test Hole #3	0-18"	SiL	5	3, m, gr	10yr4/2	m/m, f	None
	18-50"	siCL	5	3, co, gr	10yr4/4	m/f	None
	50-57"	Bedrock					
Test Hole #4	0-12"	SiL	5	3, m, gr	10yr4/2	m/f	None
	12-33"	siCL	5	2, m, sbk	10yr4/4	m/f	None
	33-39"	siCL	7	Massive	Mixed	None	Moderate

Design Requirements:

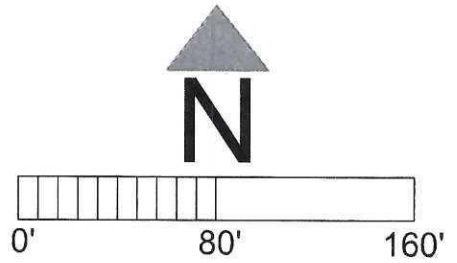
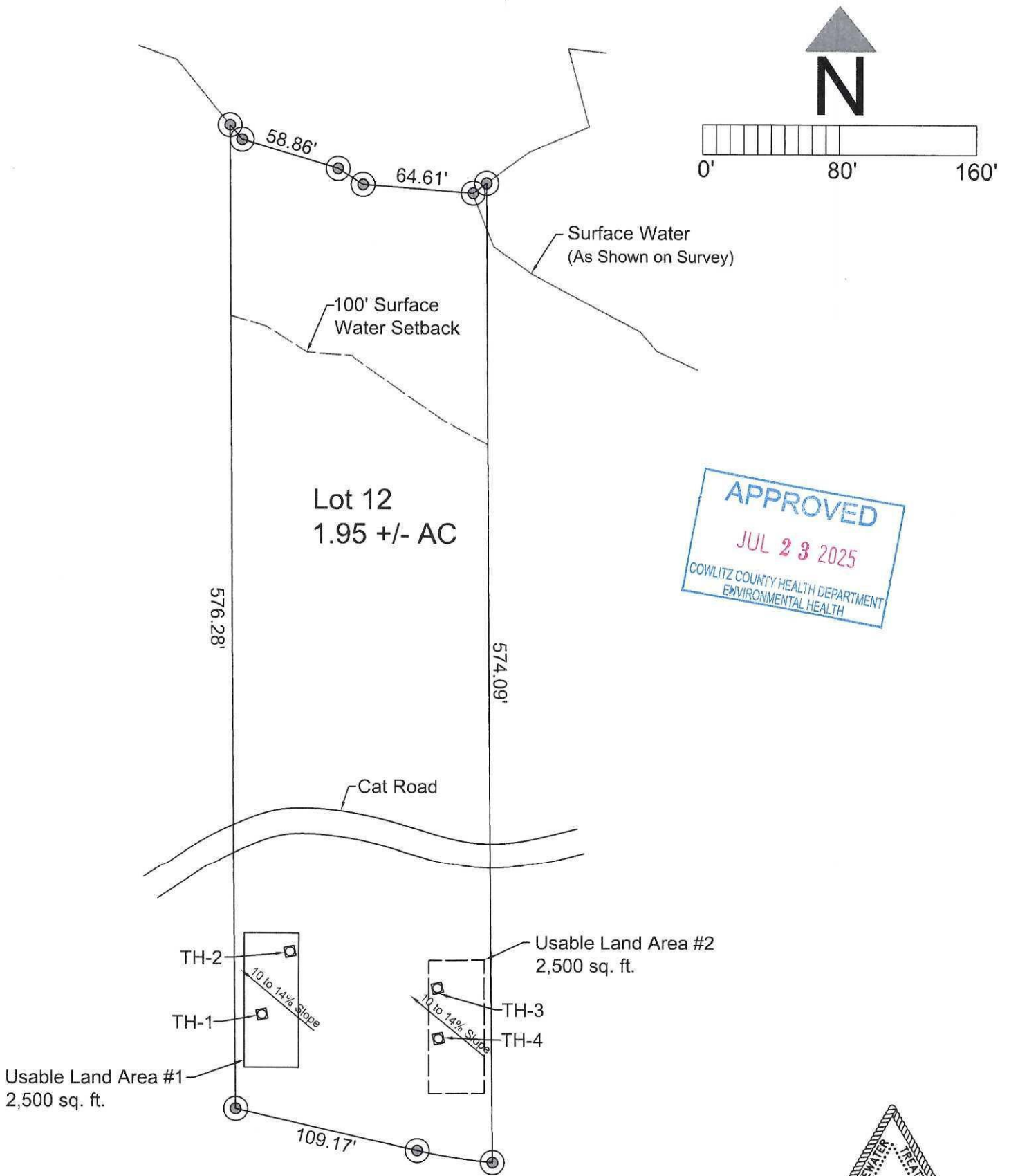
Based upon the soil evaluation performed on June 11, 2025 the soil onsite is a type 5 soil and requires a designation of 5,000 sq. ft. of usable land area available for septic designation. The usable land area for this report has been shown in two areas 2,500 sq. ft. each.

The usable land areas #1 & #2 shown are adequate for 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 07-25-0672



APPROVED
 JUL 23 2025
 COWLITZ COUNTY HEALTH DEPARTMENT
 ENVIRONMENTAL HEALTH

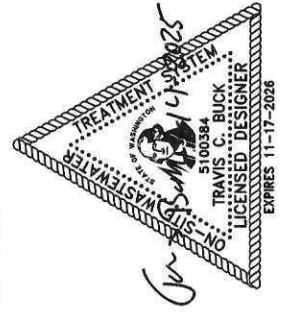
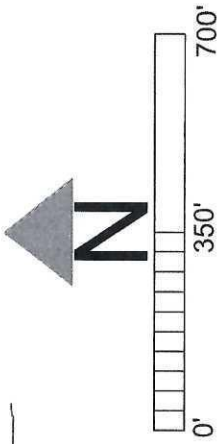
EHU 07-25-0672

Travis C. Buck
 5100384
 TRAVIS C. BUCK
 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: 25-151.12	Date: 7/9/2025
Drawing: 1	Scale: 1" = 80'



APPROVED
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Legend

Usable Land Area	———
Usable Land Area #2	———
Easement	———
Surface Water	———
Surface Water Setback	———

EHU 07-25-0672

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 Drawing: 2	Date: 7/11/2025 Scale: 1" = 350'