



Cowlitz County Health and Human Services

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Environmental Health Unit: 207 4th Avenue North, Kelso, WA 98626 OMSeptic@cowlitzwa.gov

SOILS EVALUATION

Status: Approved

Date: May 19, 2025

Record Number: EHU-04-25-0355

Project Address: UNADDRESSED

Project Parcel: EH2405008

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 Short Plat subdivision 2550.04.

The proposed lot number is 4 of 4.

DRAINFIELD INFORMATION

Usable Land Area

Proposed Treatment Level: E

Proposed Drainfield Type: Equal Distribution

Usable Land Area: 5000 Sq. 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**
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This Evaluation Valid Until: 5/19/2030

Approved By: *Nic Bakotich* Date of Approval: **5/19/2025**

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



Advanced Septic Consulting Inc.

Site Evaluation & Soil Report for Lot 4 @ Parcel Number: EH2405008

April 28, 2025

Design Number: 25-040.4

Customer: Chilton Inc. 1760 Down River Dr. Woodland, Washington 98674

Project Location: Lewis River Rd. Woodland, Washington 98674

Section: 13 Township: 6N Range: 2E Lot: 4 of 4

Parcel Number: EH2405008 Acres: 5.93 Type of Water Supply: Shared Well



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April 28, 2025

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Project Location: Lewis River Rd. Woodland, Washington 98674

Section: 13 Township: 6N Range: 2E Lot: 4 of 4

Parcel Number: EH2405008 Acres: 5.93

Distance to Water Supply: Existing Well 100' Northeast of Proposed Septic Area



Site Characteristics:

The site is located within USDA-NRCS mapping unit 25 – Cinebar Silt Loam. Typical water table is greater than 80 inches. The site is moderately well drained in the septic areas with no mottling or restrictive layer noted to 58+ inches. Typical slope ranges from 0 to 5%. The proposed septic area is on a south facing slope with a slope ranging from 12 to 14%. Vegetation in the septic area is field grass.

Soil Evaluation:

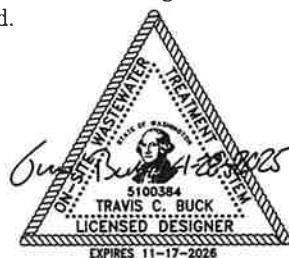
	<u>Depth</u>	<u>Soil</u>	<u>Type</u>	<u>Structure</u>	<u>Color</u>	<u>Roots</u>	<u>Mottling</u>
Test Hole #1	0-11"	SiL	5	3, m, gr	10yr3/3	m/m, f	None
	11-58"	SiL	5	2, m, sbk	10yr5/4	f/ f	None
Test Hole #2	0-12	SiL	5	3, m, gr	10yr3/3	m/m, f	None
	12-62"	SiL	5	2, m, sbk	10yr5/4	f/ f	None
Test Hole #3	0-12"	SiL	5	3, m, gr	10yr3/3	m/m, f	None
	12-62"	SiL	5	2, m, sbk	10yr5/4	f/ f	None
Test Hole #4	0-10"	SiL	5	3, m, gr	10yr3/3	m/m, f	None
	10-62"	SiL	5	2, m, sbk	10yr5/4	f/ f	None

Design Requirements:

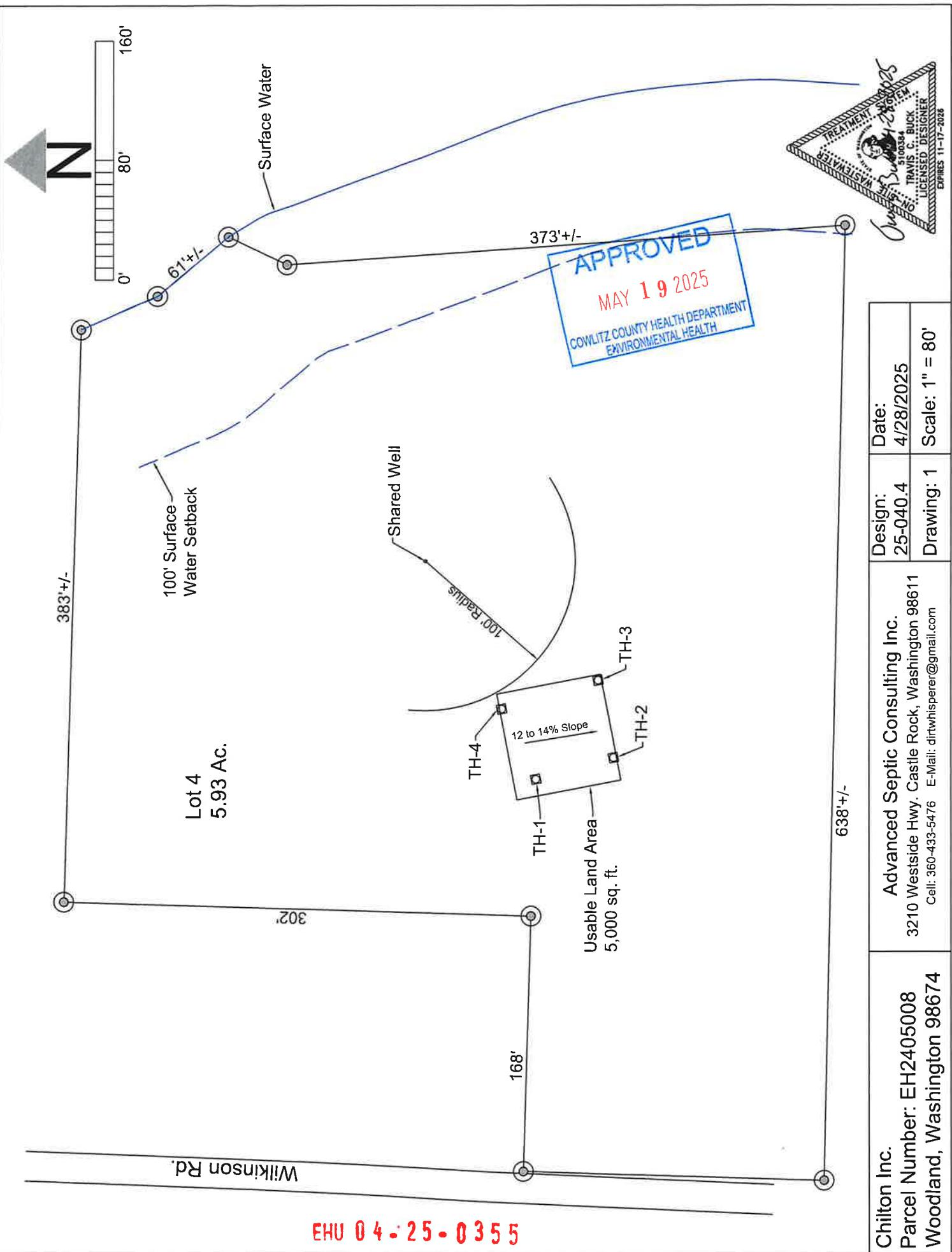
Based upon the soil evaluation performed on February 4, 2025 the soil onsite is a type 5 soil and requires a designation of 5,000 sq. ft. of usable land area available for septic designation.

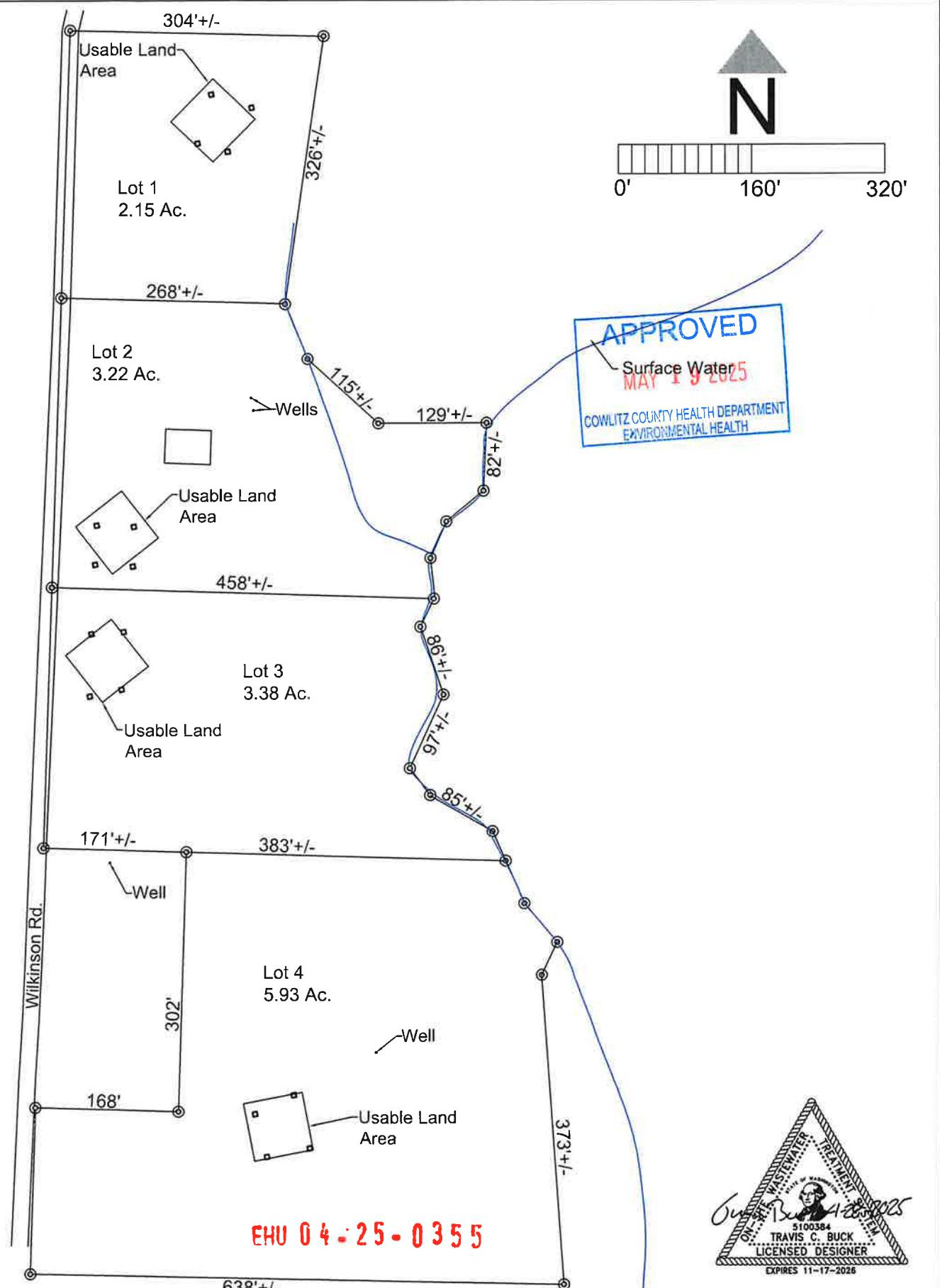
The usable land area show is adequate for a standard gravity flow system meeting treatment level E.

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.



EHU 04-25-0355





Chilton Inc.
Parcel Number: EH2405008
Woodland, Washington 98674

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

Design: 25-040	Date: 4/28/2025
Drawing: 2	Scale: 1" = 160'