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:** October 15, 2025

Record Number: EHU-09-25-0968
Project Address: BEEBE RD, CASTLE ROCK, WA 98611
Project Parcel: WK2907004

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):

SUBDIVISION INFORMATION

This soils evaluation is intended for Short Plat subdivision 2550.06.
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**

This Evaluation Valid Until: 10/15/2030

Approved By: Brian J. Hetland **Date of Approval: 10/15/2025**

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

Advanced Septic Consulting Inc.

Site Evaluation & Soil Report for Lot 4 @ Parcel Number: WK2907004

September 24, 2025

Design Number: 25-219.4

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

Project Location: Beebe Rd. Castle Rock, Washington 98611

Section: 29 Township: 10N Range: 2W Lot: 4 of 4

Parcel Number: WK2907004 Acres: 2.5 +/-

Type of Water Supply: Proposed Well

APPROVED
OCT 15 2025
COWLITZ COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH

EHU 09-25-0968

ON-SITE WASTEWATER TREATMENT
STATE OF WASHINGTON
5100384
TRAVIS C. BUCK
LICENSED DESIGNER
EXPIRES 11-17-2026

Advanced Septic Consulting Inc.

September 24, 2025

Design Number: 25-219.4

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

Project Location: Beebe Rd. Castle Rock, Washington 98611

Section: 29 Township: 10N Range: 2W Lot: 4 of 4

Parcel Number: WK2907004 Acres: 2.5 +/-

Type of Water Supply: Proposed Well 225' Northwest of Proposed Septic Area

APPROVED
OCT 15 2025
COWLITZ COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH

Site Characteristics:

The site is located within USDA-NRCS mapping unit 146 – Olympic Silt Loam. Typical depth to the water table is greater than 80 inches. The site is well drained in the septic area with no mottling or restrictive layer noted to 59 inches. Typical slope ranges from 2 to 8%. The proposed septic area is on a southeast facing slope with a slope ranging from 2 to 5%. Vegetation in the septic area mainly consists of brush.

Soil Evaluation:

	Depth	Soil	Type	Structure	Color	Roots	Mottling
Test Hole #1	0-13"	SiL	5	3, m, gr	7.5yr4/4	m/f	None
	13-48"	SiL	5	2, m, sbk	7.5yr4/4	f/f	None
	48-59"	siCL	5	2, m, sbk	7.5yr4/4	None	None
Test Hole #2	0-18"	SiL	5	3, m, gr	7.5yr4/4	m/f	None
	18-60"	SiL	5	2, m, sbk	7.5yr4/4	c/f	None
Test Hole #3	0-18"	SiL	5	3, m, gr	7.5yr4/4	m/f	None
	18-62"	SiL	5	2, m, sbk	7.5yr4/4	f/f	None
Test Hole #4	0-18"	SiL	5	3, m, gr	7.5yr4/4	m/f	None
	18-49"	SiL	5	2, m, sbk	7.5yr4/4	f/f	None
	49-65"	g, siCL	5	2, m, sbk	Mixed	f/f	None

Design Requirements:

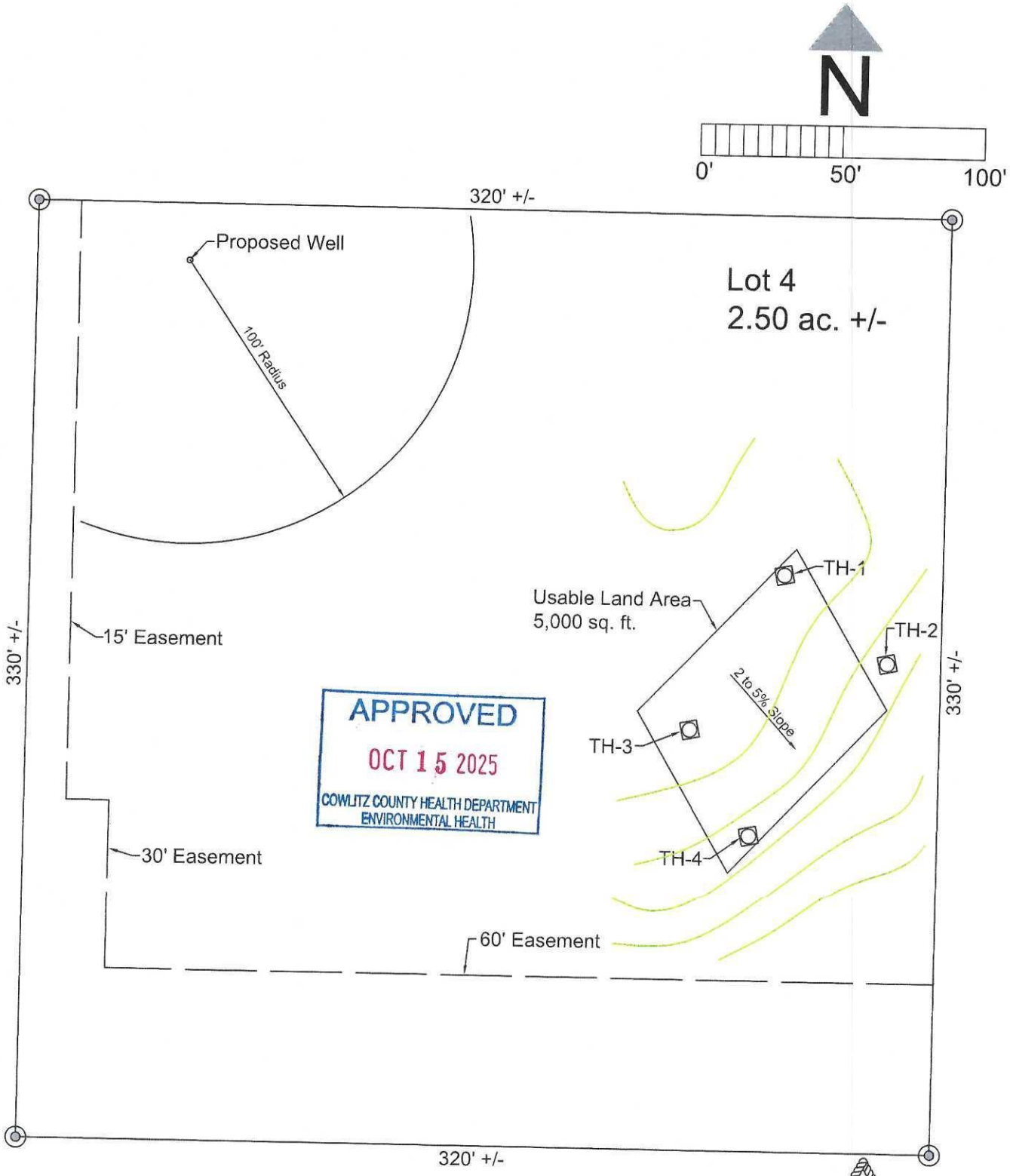
Based upon the soil evaluation performed on August 27, 2025 the soil onsite is a type 5 soil and requires a designation of 5,000 sq. ft. of usable land area available for septic designation.

The usable land area shown is adequate for the use of 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. A concurrence has been performed with Brian Hetland of Cowlitz County EHU at the time of the soil evaluation.

EHU 09-25-0968

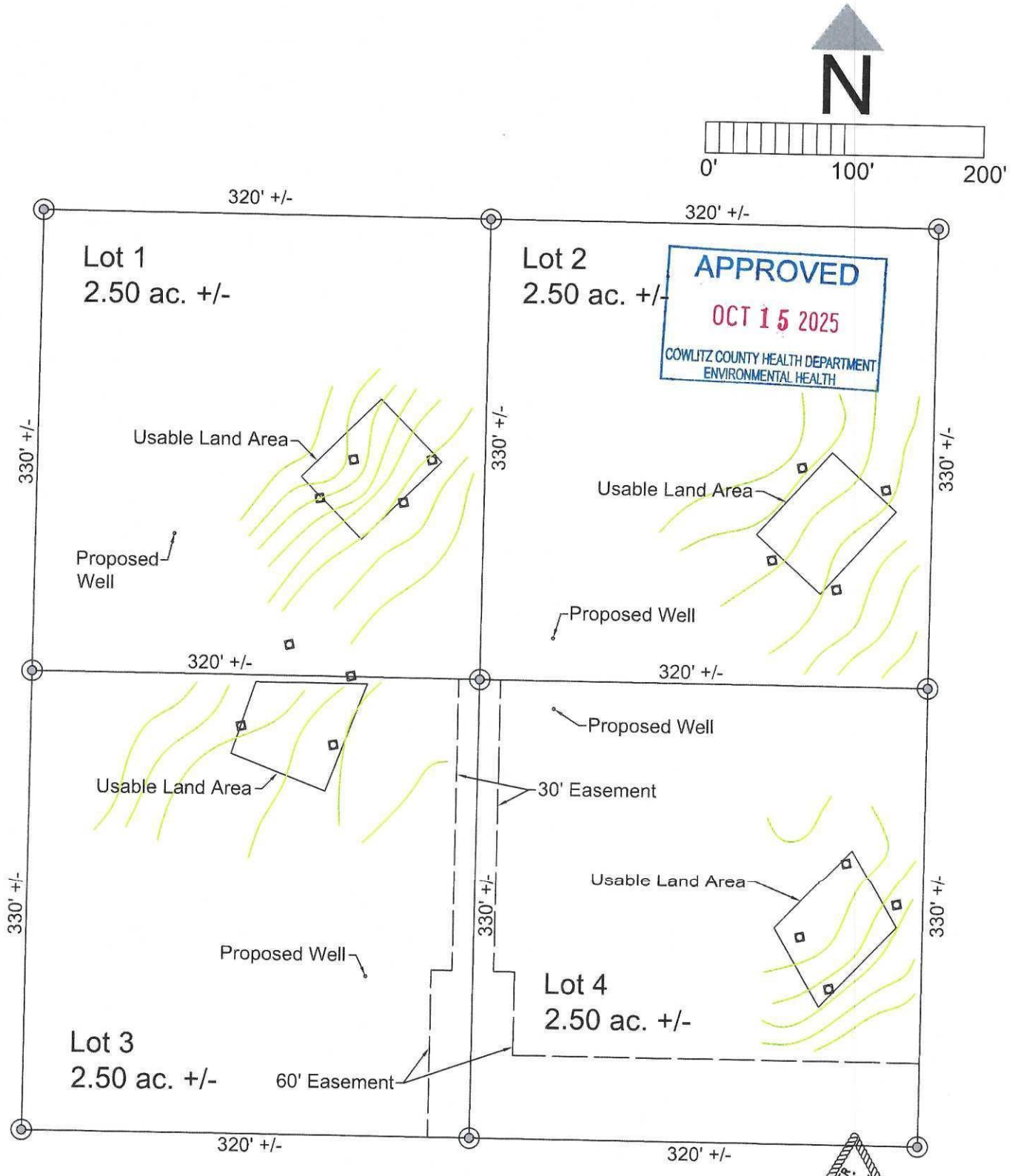
ON-SITE WASTEWATER TREATMENT SYSTEM
STATE OF WASHINGTON
5100384
TRAVIS C. BUCK
LICENSED DESIGNER
EXPIRES 11-17-2026



EHU 09-25-0968

ON-SITE WASTEWATER TREATMENT
STATE OF WASHINGTON
5100384
TRAVIS C. BUCK
LICENSED DESIGNER
EXPIRES 11-17-2026

Chilton Inc. Parcel Number: WK2907004 Castle Rock, Washington 98611	Advanced Septic Consulting Inc. 3210 Westside Hwy. Castle Rock, Washington 98611 Cell: 360-433-5476 E-Mail: dirtwhisperer@gmail.com	Design: 25-219.4	Date: 9/24/2025
		Drawing: 1	Scale: 1" = 50'



Chilton Inc. Parcel Number: WK2907004 Castle Rock, Washington 98611	Advanced Septic Consulting Inc. 3210 Westside Hwy. Castle Rock, Washington 98611 Cell: 360-433-5476 E-Mail: dirtwhisperer@gmail.com	Design: 25-219	Date: 9/24/2025
		Drawing: 2	Scale: 1" = 100'