



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

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## SOILS EVALUATION

**Status:** Approved

**Date:** October 15, 2025

**Record Number:** [EHU-09-25-0971](#)

**Project Address:** BEEBE RD, CASTLE ROCK, WA 98611

**Project Parcel:** WK2907005

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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 Short Plat subdivision 2450.54.

The proposed lot number is 3 of 4.

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### **DRAINFIELD INFORMATION**

#### **Usable Land Area**

Proposed Treatment Level: E

Proposed Drainfield Type: Equal 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: 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 3 @ Parcel Number: WK2907005

September 28, 2025

Design Number: 25-221.3

Customer: JCP LLC, 1760 Down River Dr. Woodland, Washington 98674

Project Location: Beebe Rd. Castle Rock, Washington 98611

Section: 29 Township: 10N Range: 2W

Parcel Number: WK2907005 Acres: 2.5 +/- Lot 3 of 4

Type of Water Supply: Proposed Well

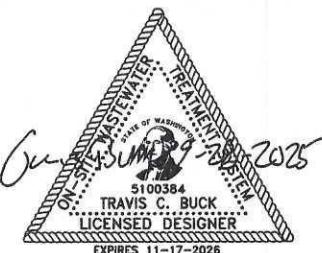
APPROVED

OCT 15 2025

COWLITZ COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH



EHU 09-25-0971





## Advanced Septic Consulting Inc.

September 28, 2025

Design Number: 25-221.3

Customer: JCP LLC, 1760 Down River Dr. Woodland, Washington 98674

Project Location: Beebe Rd. Castle Rock, Washington 98611

Section: 29 Township: 10N Range: 2W

Parcel Number: WK2907005 Acres: 2.5 +/- Lot 3 of 4

Type of Water Supply: Proposed Well 200' North of Proposed Septic Area



### 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 moderate mottling and a restrictive layer noted ranging from 51 to 52 inches. Typical slope ranges from 2 to 8%. The proposed septic area is on an east facing slope with a slope ranging from 10 to 12%. Vegetation in the septic area mainly consists of 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>	0-22"	SiL	5	3, m, gr	10yr3/6	m/m, f	None
	22-60"	SiL	5	2, m, sbk	10yr3/6	f/f	None
<b>Test Hole #2</b>	0-15"	SiL	5	3, m, gr	10yr3/6	m/m, f	None
	15-52"	SiL	5	2, m, sbk	10yr3/6	f/f	None
	52-60"	siCL	7	1, m, sbk	Mixed	None	Moderate
<b>Test Hole #3</b>	0-16"	SiL	5	3, m, gr	10yr3/6	m/m, f	None
	16-51"	SiL	5	2, m, sbk	10yr3/6	f/f	None
	51-56"	siCL	7	1, m, sbk	Mixed	None	Moderate
<b>Test Hole #4</b>	0-18"	SiL	5	3, m, gr	10yr3/6	m/m, f	None
	18-54"	SiL	5	2, m, sbk	10yr3/6	f/f	None

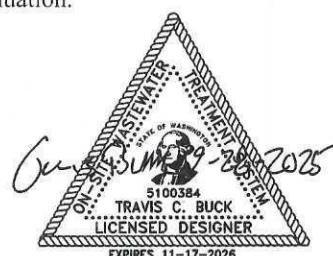
### Design Requirements:

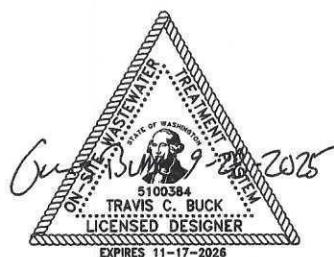
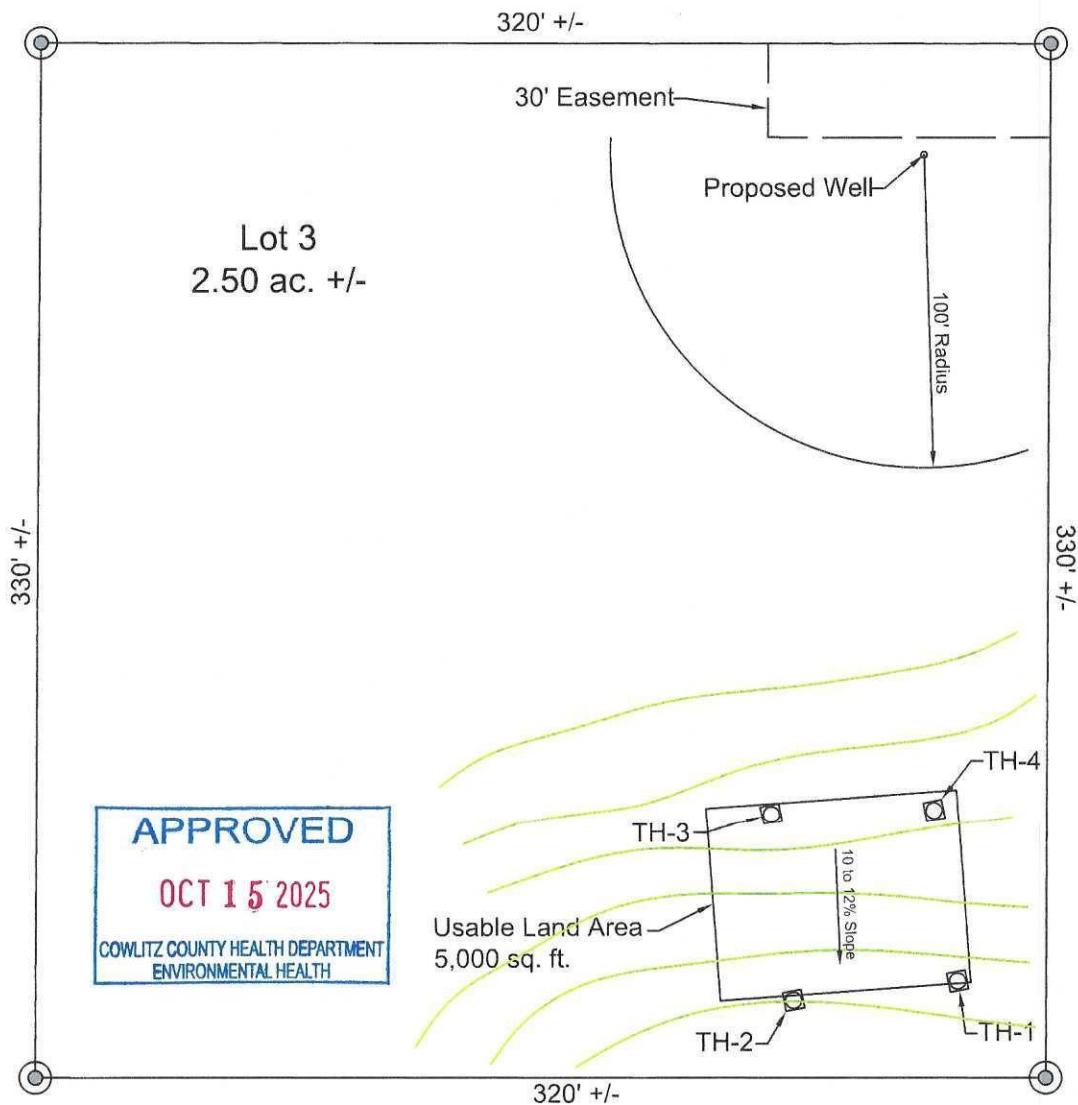
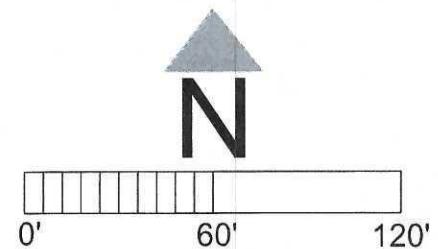
Based upon the soil evaluation performed on August 27, 2025 the soil onsite is a type 5 soil and requires a designation of 5,000 sq. ft. of usable land area available for septic designation.

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.

FHU 09-25-0971





JCP LLC  
Parcel Number: WK2907005  
Castle Rock, Washington 98611

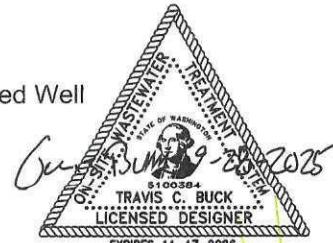
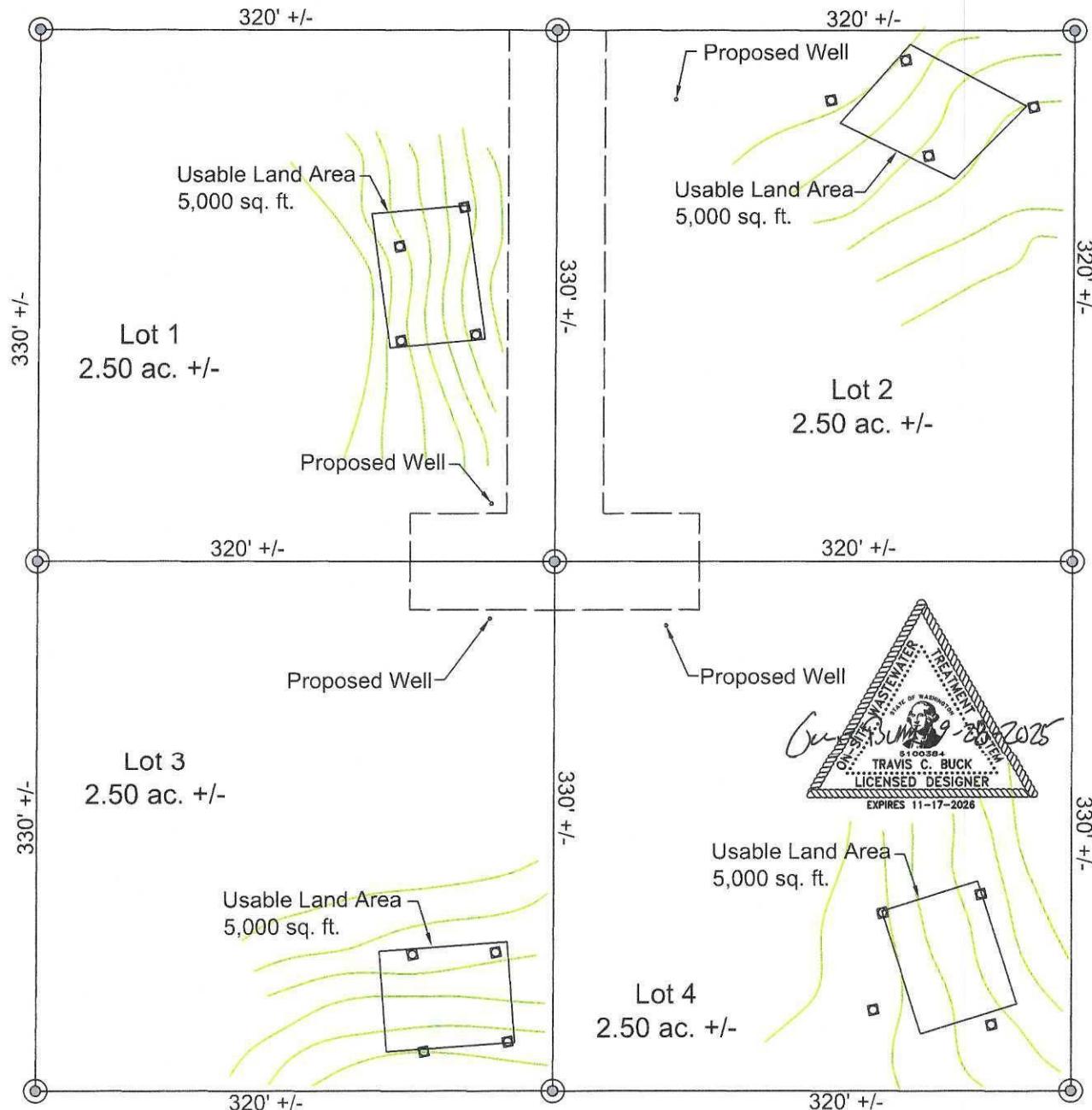
Advanced Septic Consulting Inc.  
3210 Westside Hwy. Castle Rock, Washington 98611  
Cell: 360-433-5476 E-Mail: dirtwhisperer@gmail.com

Design: 25-221.3	Date: 9/28/2025
Drawing: 1	Scale: 1" = 60'

APPROVED  
OCT 15 2025  
COWLITZ COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH

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0' 100' 200'



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Castle Rock, Washington 98611

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

Design: 25-221	Date: 9/28/2025
Drawing: 2	Scale: 1" = 100'