



Cowlitz County Health and Human Services

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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-09-25-0970

Project Address: BEEBE RD, CASTLE ROCK, WA 98611

Project Parcel: WK2907005

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 2450.54.

The proposed lot number is 2 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 2 @ Parcel Number: WK2907005

September 28, 2025

Design Number: 25-221.2

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

Project Location: Beebe Rd. Castle Rock, Washington 98611

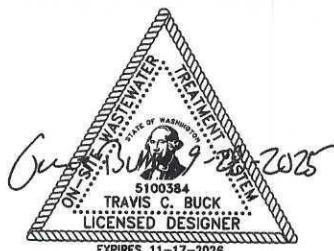
Section: 29 Township: 10N Range: 2W

Parcel Number: WK2907005 Acres: 2.50 +/- Lot 2 of 4

Type of Water Supply: Proposed Well



EHU 09-25-0970





Advanced Septic Consulting Inc.

September 28, 2025

Design Number: 25-221.2

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 2 of 4

Type of Water Supply: Proposed Well 102' West 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 slight mottling noted at 57 inches and a restrictive layer noted to 48 inches in the area of test hole 4. Typical slope ranges from 2 to 8%. The proposed septic area is on a southeast facing slope with a slope ranging from 0 to 4%. Vegetation in the septic area mainly consists of brush and 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	0-12"	SiL	5	3, m, gr	10yr3/6	m/m, f	None
	12-57"	SiL	5	2, m, sbk	10yr3/6	m/f	None
	57-67"	siCL	5	2, m, sbk	Mixed	None	Slight
Test Hole #2	0-18"	SiL	5	3, m, gr	10yr3/6	m/m, f	None
	18-50"	SiL	5	2, m, sbk	Mixed	m/f	None
	50-64"	g, SiL	5	2, m, sbk	Mixed	None	None
*A patch of relic mottles was noted in the second horizon. Does not represent a current water table.							
Test Hole #3	0-22"	SiL	5	3, m, gr	10yr3/6	m/m, f	None
	22-66"	SiL	5	2, m, sbk	10yr3/6	m/f	None
Test Hole #4	0-20"	SiL	5	3, m, gr	10yr3/6	m/m, f	None
	20-48"	SiL	5	2, m, sbk	10yr3/6	m/f	None
	48"	Bedrock					

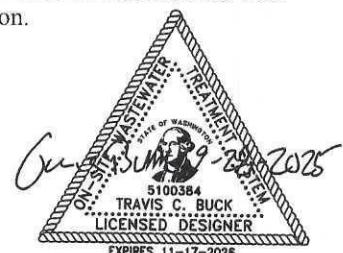
Design Requirements:

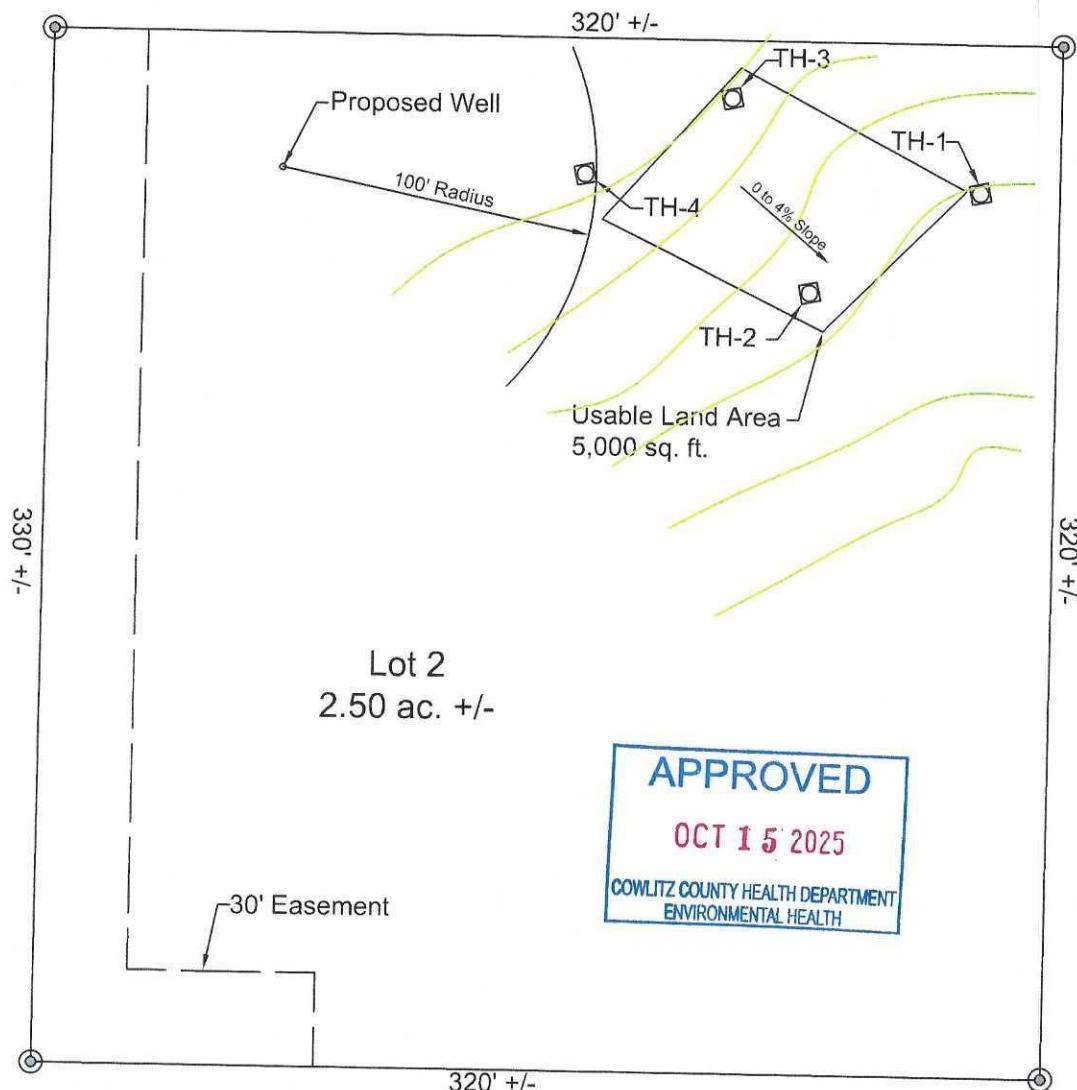
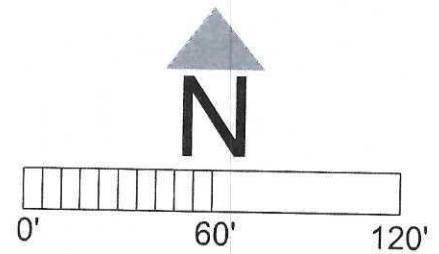
Based upon the soil evaluation performed on August 27, 2025 the soil onsite is a type 5 soil and requires a designation of 5,000 sq. ft. of usable land area available for septic designation.

The usable land area shown is adequate for the use of a standard gravity flow system meeting treatment level E.

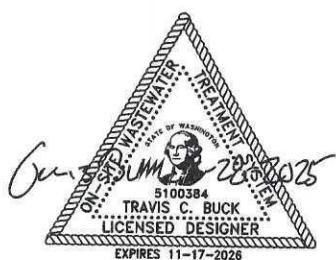
Other comments or concerns: The minimum usable land area required is based on table IV WAC 246-272A. Criteria for determining useable land area is based on WAC 246-272A required setbacks and does not guarantee that future studies performed as part of the environmental planning process will not have an 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 09-25-0970





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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: 25-221.2	Date: 9/28/2025
Drawing: 1	Scale: 1" = 60'

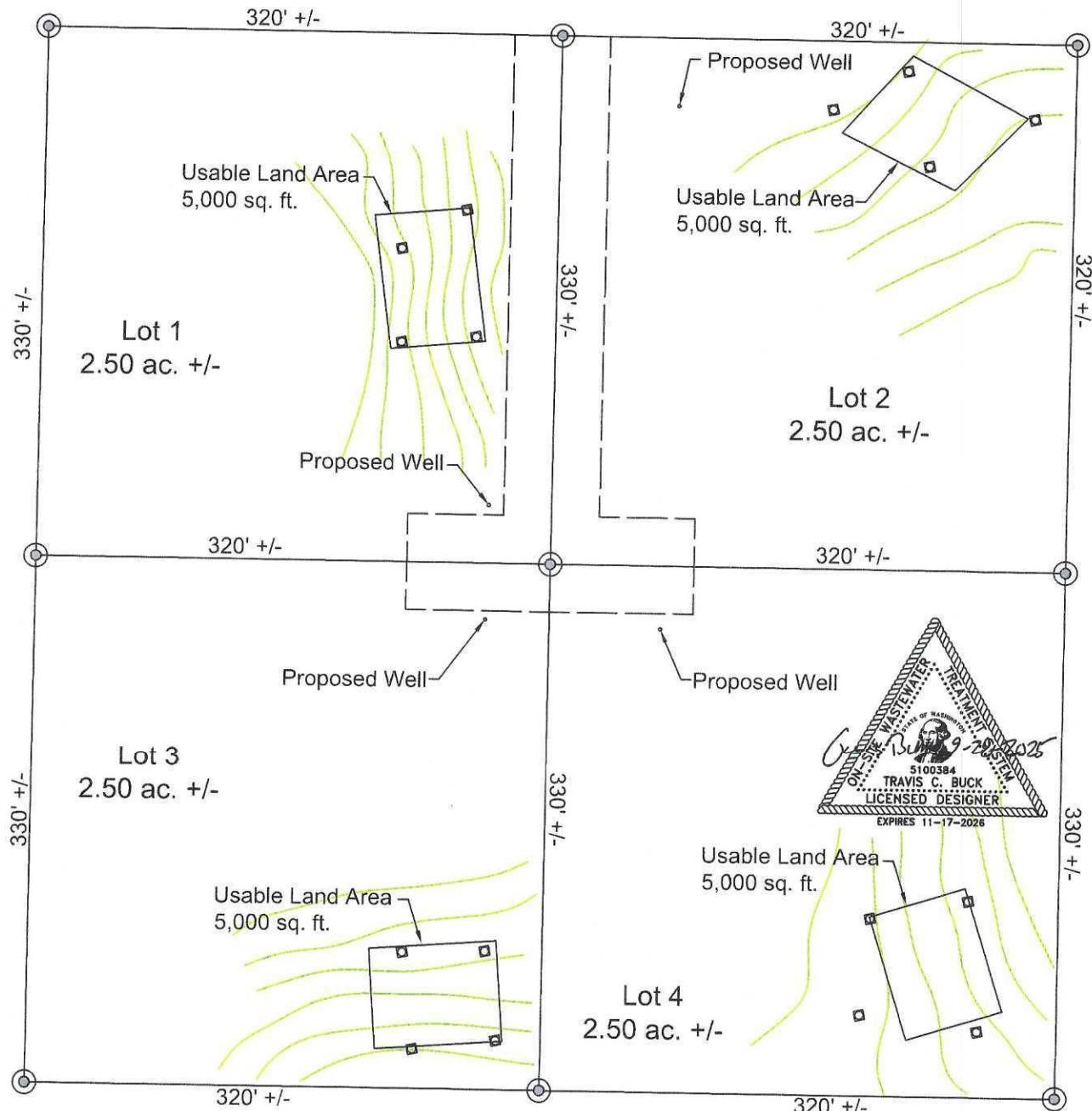
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OCT 15 2025

COWLITZ COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH

N

0' 100' 200'



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Cell: 360-433-5476 E-Mail: dirtwhisperer@gmail.com

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