



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: September 30, 2025

Record Number: EHU-09-25-0883

Project Address: UNADDRESSED

Project Parcel: EM2410000

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 2575.04.
The proposed lot number is 3 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: 9/30/2030

Approved By: _____

Adam Bradbury

Date of Approval: 9/30/2025

Adam Bradbury

Environmental Health Specialist (Agent of the Health Officer)



Advanced Septic Consulting Inc.

Site Evaluation & Soil Report for Lot 3 @ Parcel Number: EM2410000

September 3, 2025

Design Number: 25-190.1

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

Project Location: Lewis River Rd. Ariel, Washington 98603

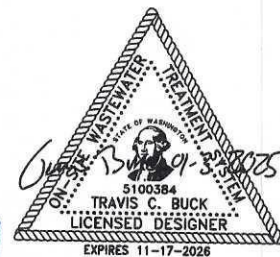
Section: 24 Township: 6N Range: 3E

Parcel Number: EM2410000 Acres: 5.0 Lot 3 of 4

Type of Water Supply: Proposed Well



FWU 09-25-0883





Advanced Septic Consulting Inc.

September 3, 2025

Design Number: 25-190.1

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

Project Location: Lewis River Rd. Ariel, Washington 98603

Section: 24 Township: 6N Range: 3E

Parcel Number: EM2410000 Acres: 5.0 Lot 3 of 4

Distance to Water Supply: Proposed Well 135' +/- South 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". The site is well drained in the usable land area with no mottling or restrictive layer noted in the septic areas to 60" inches. Typical slope ranges from 0 to 5%. The usable land area is hummocky with a slope of 1 % or less in any direction. Vegetation in the septic area is mainly field grass and scotch broom.

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	0-16"	L	4	3, m, gr	10yr3/3	m/f	None
	16-60"	L	4	2, m, sbk	10yr5/4	c/f	None
Test Hole #2	0-28"	L	4	3, m, gr	10yr3/3	m/f	None
	28-45"	L	4	2, m, sbk	10yr5/4	c/f	None
	45-60"	L	4	1, co, abk	10yr5/3	None	None
Test Hole #3	0-16"	L	4	3, m, gr	10yr3/3	m/f	None
	16-60"	L	4	2, m, sbk	10yr5/4	c/f	None
Test Hole #4	0-8"	L	4	3, m, gr	10yr3/3	m/f	None
	8-60"	L	4	2, m, sbk	10yr5/4	c/f	None

Design Requirements:

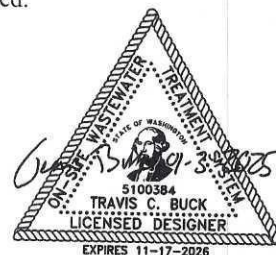
Based upon the evaluation performed on July 24, 2025 we have shown one usable land area 5,000 sq. ft

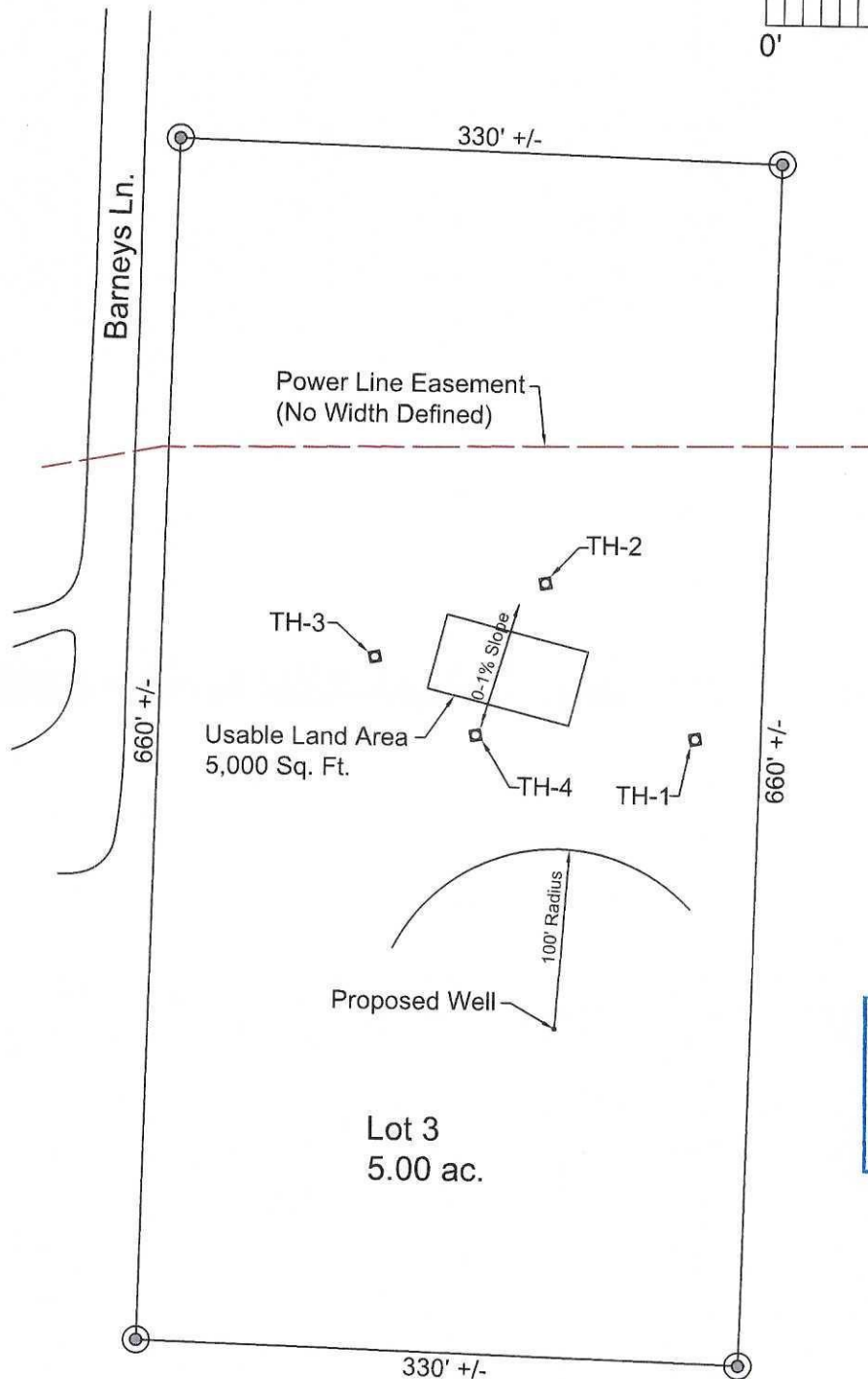
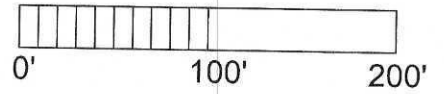
The usable land area is adequate for a standard gravity flow system meeting treatment level E.

Other comments or concerns: The minimum usable land area required is based on table IV WAC 246-272A. Criteria for determining useable land area are based on WAC 246-272A required setbacks 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.



FHU 09-25-0883

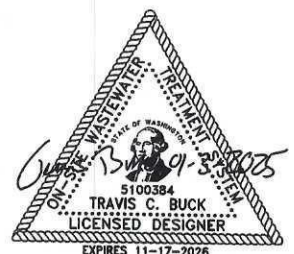




Lot 3
5.00 ac.



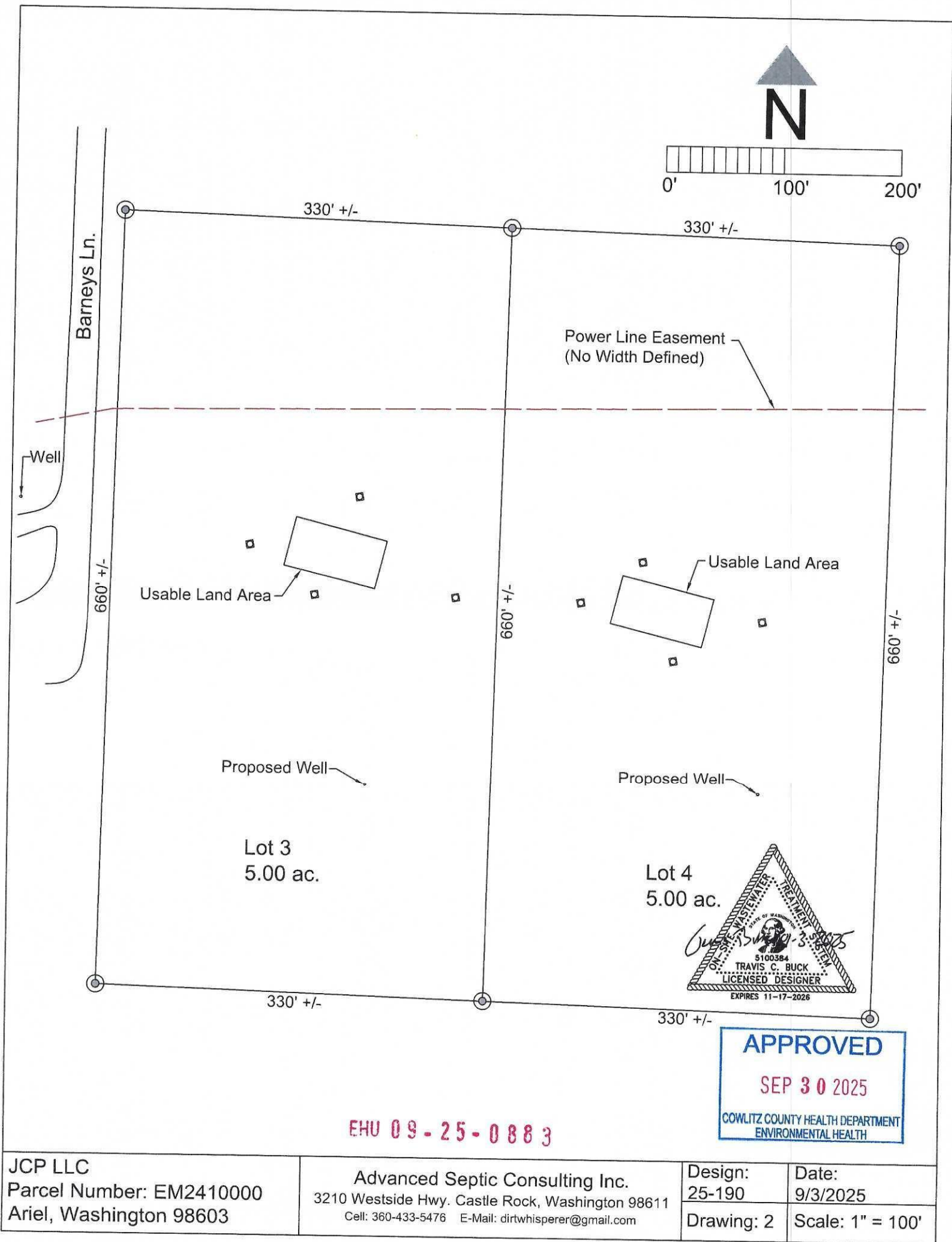
EHU 09-25-0883



JCP LLC
Parcel Number: EM2410000
Ariel, Washington 98603

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

Design: 25-190.1	Date: 9/3/2025
Drawing: 1	Scale: 1" = 100'



JCP LLC
Parcel Number: EM2410000
Ariel, Washington 98603

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

Design: 25-190	Date: 9/3/2025
Drawing: 2	Scale: 1" = 100'