



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: September 30, 2025

Record Number: EHU-09-25-0882

Project Address: UNADDRESSED

Project Parcel: EM2402001

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 2 of 2.

DRAINFIELD INFORMATION

Usable Land Area

Proposed Treatment Level: E

Proposed Drainfield Type: Equal Distribution

Usable Land Area: 3333 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 2 @ Parcel Number: EM2402001

September 3, 2025

Design Number: 25-189.2

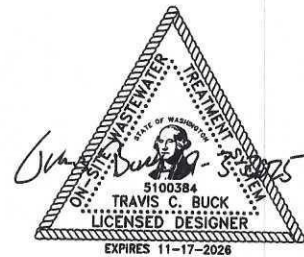
Customer: Chilton Inc., 1760 Down River Rd. Woodland, Washington 98674

Project Location: Lewis River Rd. Ariel, Washington 98603

Section: 24 Township: 6N Range: 3E

Parcel Number: EM2402001 Acres: 5.00 +/- Lot: 2 of 2

Type of Water Supply: Proposed Well



EHU 09-25-0882



Advanced Septic Consulting Inc.

September 3, 2025

Design Number: 25-189.2

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

Project Location: Lewis River Rd. Ariel, Washington 98603

Section: 24 Township: 6N Range: 3E

Parcel Number: EM2402001 Acres: 5.00 +/- Lot: 2 of 2

Distance to Water Supply: Proposed Well 136' Southeast of Proposed Septic Area

Site Characteristics:

The site is located within USDA-NRCS mapping unit 25 – Cinebar Silt Loam. Typical depth to the 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 area to 60 inches. Typical slope ranges from 0 to 5%. The usable land area is relatively flat. Vegetation in the septic area is field grass.

Soil Evaluation:

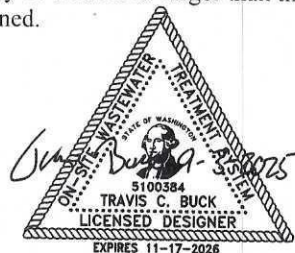
	<u>Depth</u>	<u>Soil</u>	<u>Type</u>	<u>Structure</u>	<u>Color</u>	<u>Roots</u>	<u>Mottling</u>
Test Hole #1	0-11"	L	4	3, m, gr	10yr3/3	m/f	None
	11-56"	L	4	2, m, sbk	10yr5/4	c/f	None
	56-60"	L	4	1, co, abk	10yr5/3	None	None
Test Hole #2	0-19"	L	4	3, m, gr	10yr3/3	m/f	None
	19-60"	L	4	2, m, sbk	10yr5/4	c/f	None
Test Hole #3	0-11"	L	4	3, m, gr	10yr3/3	m/f	None
	11-48"	L	4	2, m, sbk	10yr5/4	c/f	None
	48-60"	L	4	1, co, abk	10yr5/3	None	None
Test Hole #4	0-10"	L	4	3, m, gr	10yr3/3	m/f	None
	10-60"	L	4	2, m, sbk	10yr5/4	c/f	None

Design Requirements:

Based upon the evaluation performed on July 24, 2025 the soil onsite is a type 4 soil and requires a designation of 3,333 sq. ft. of usable land area available.

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.



EHU 09-25-0882

Barneys Ln.

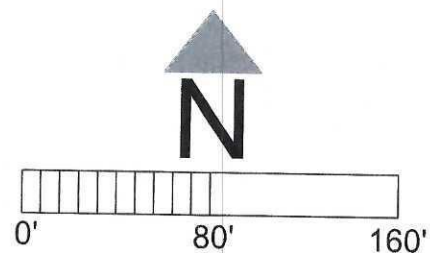
465' +/-

465' +/-

Lot 2
5.00 ac.

465' +/-

475' +/-



60' Easement

100' Radius

Proposed Well

Usable Land Area
3,333 sq. ft.

0% Slope

TH-2

TH-3

TH-1

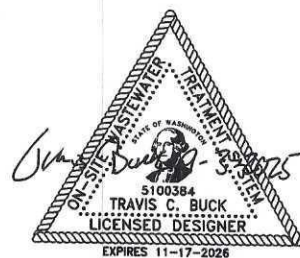
TH-4

APPROVED

SEP 30 2025

COWLITZ COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH

EHU 09-25-0882

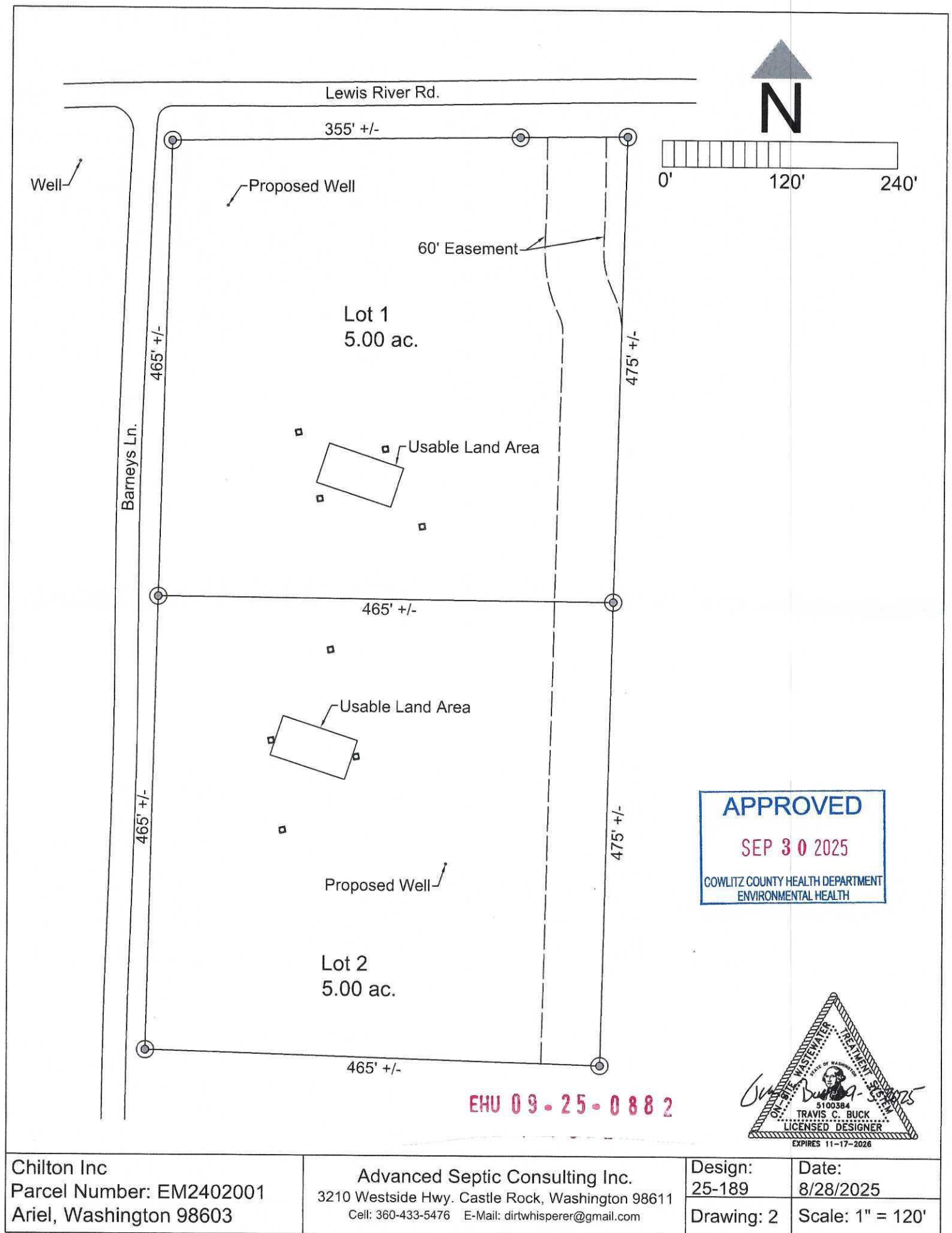


Chilton Inc
Parcel Number: EM2402001
Ariel, Washington 98603

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

Design:
25-189.2
Drawing: 1

Date:
8/28/2025
Scale: 1" = 80'



Chilton Inc
Parcel Number: EM2402001
Ariel, Washington 98603

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

Design: 25-189	Date: 8/28/2025
Drawing: 2	Scale: 1" = 120'