



Cowlitz County Health & Human Services Department

Environmental Health Unit
207 Fourth Avenue North, Kelso, WA 98626
TEL (360) 414-5599 FAX (360) 425-7531
www.co.cowlitz.wa.us/hhs

SOILS EVALUATION CHECKLIST

Project Address (if available): Wilkinson Rd. Parcel No.: EH2405008

Plat #: 2550.04 Lot #: 2 of 4 Acreage 3.22 Method II Analysis Required (Indicate One): Yes No

Name: Chilton Inc. Choose one: Owner Applicant Authorized Agent

Designer: Travis Buck #Bedrooms/GPD: Water Supply: Public Well (choose one)

Proposed System Type: Standard Gravity Flow

Proposed Treatment Level (choose one): A B C D E N

DESIGNER INITIAL		STAFF INITIAL
TB	1. Completed EHU Master Application*, including parcel # and address (if available)	
TB	2. A Cowlitz County Planning Certification form had been completed (please circle: YES or NO)	
TB	3. Name & Address of property owner and applicant on each page of submission. [WAC 246-272A-0200(1)(a)(i)]	
TB	4. Each page of submission is stamped, signed, and dated by a Washington State Professional Engineer or Onsite Wastewater Designer (RCW 18.210.130, WAC 196-33-500) (The Soil Log/Evaluation Report may be completed by a soil scientist)	
TB	5. A site plan is attached and shows general topography and /or slope are shown on the parcel for the applicable areas	
TB	6. Site plan shows test-hole locations, primary and reserve drainfield areas, and the well or proposed well location with 100' radius around the well or proposed well.	
TB	7. Numbered Soil Log/Evaluation Report dated and attached with texture, structure, and other soil characteristics.	
TB	8. The site is ready for inspection: <ul style="list-style-type: none">Clear and concise directions to inspection site are provided (if necessary).Entrance to property is clearly markedPrimary and reserve areas are labeled**Test pits are open and labeled with at least two soil logs within / immediately adjacent to the primary and reserve area; test pits match the soil log	N/A

Comments: _____

Permit Number (For official use) _____

* Not required for online application.

** If the site is constricted and horizontal setback are in question, we reserve the right to have the designer re-stake the area.

For more information, contact OMseptic@co.cowlitz.wa.us. Permit intake and issuance hours are Monday through Thursday, 7:30 am – 5:30 pm.



Advanced Septic Consulting Inc.

Site Evaluation & Soil Report for Lot 2 @ Parcel Number: EH2405008

April 28, 2025

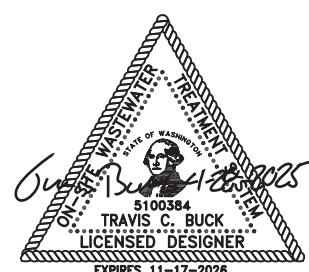
Design Number: 25-040.2

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

Project Location: Lewis River Rd. Woodland, Washington 98674

Section: 13 Township: 6N Range: 2E Lot: 2 of 4

Parcel Number: EH2405008 Acres: 3.22 Type of Water Supply: Shared Well





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April 28, 2025

Design Number: 25-040.2

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

Project Location: Lewis River Rd. Woodland, Washington 98674

Section: 13 Township: 6N Range: 2E Lot: 2 of 4

Parcel Number: EH2405008 Acres: 3.22

Distance to Water Supply: Existing Well 185' Northeast 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 inches. The site is well drained in the septic areas with no mottling or restrictive layer noted 58+ inches. Typical slope ranges from 0 to 5%. The proposed septic area is on the southwest facing slope of 2%. Vegetation in the septic is field grass.

Soil Evaluation:

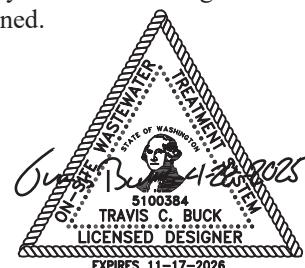
	<u>Depth</u>	<u>Soil</u>	<u>Type</u>	<u>Structure</u>	<u>Color</u>	<u>Roots</u>	<u>Mottling</u>
Test Hole #1	0-14"	SiL	5	3, m, gr	10yr3/3	m/m, f	None
	14-65"	SiL	5	2, m, sbk	10yr5/4	f/ f	None
Test Hole #2	0-7"	SiL	5	3, m, gr	10yr3/3	m/m, f	None
	7-58"	SiL	5	2, m, sbk	10yr5/4	f/ f	None
Test Hole #3	0-10"	SiL	5	3, m, gr	10yr3/3	m/m, f	None
	10-66"	SiL	5	2, m, sbk	10yr5/4	f/ f	None
Test Hole #4	0-14"	SiL	5	3, m, gr	10yr3/3	m/m, f	None
	14-62"	SiL	5	2, m, sbk	10yr5/4	f/ f	None

Design Requirements:

Based upon the soil evaluation performed on February 4, 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 show 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 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.





120'
60'
0'

268'+/-

Lot 2
3.22 Ac.

348'+/-

Willikinson Rd.

115'+/-
71'+/-
Shared Wells
Barn
100' Well Radius

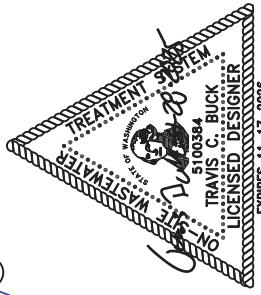
82'+/-
85'+/-
48'+/-
47'+/-

100' Surface
Water Setback

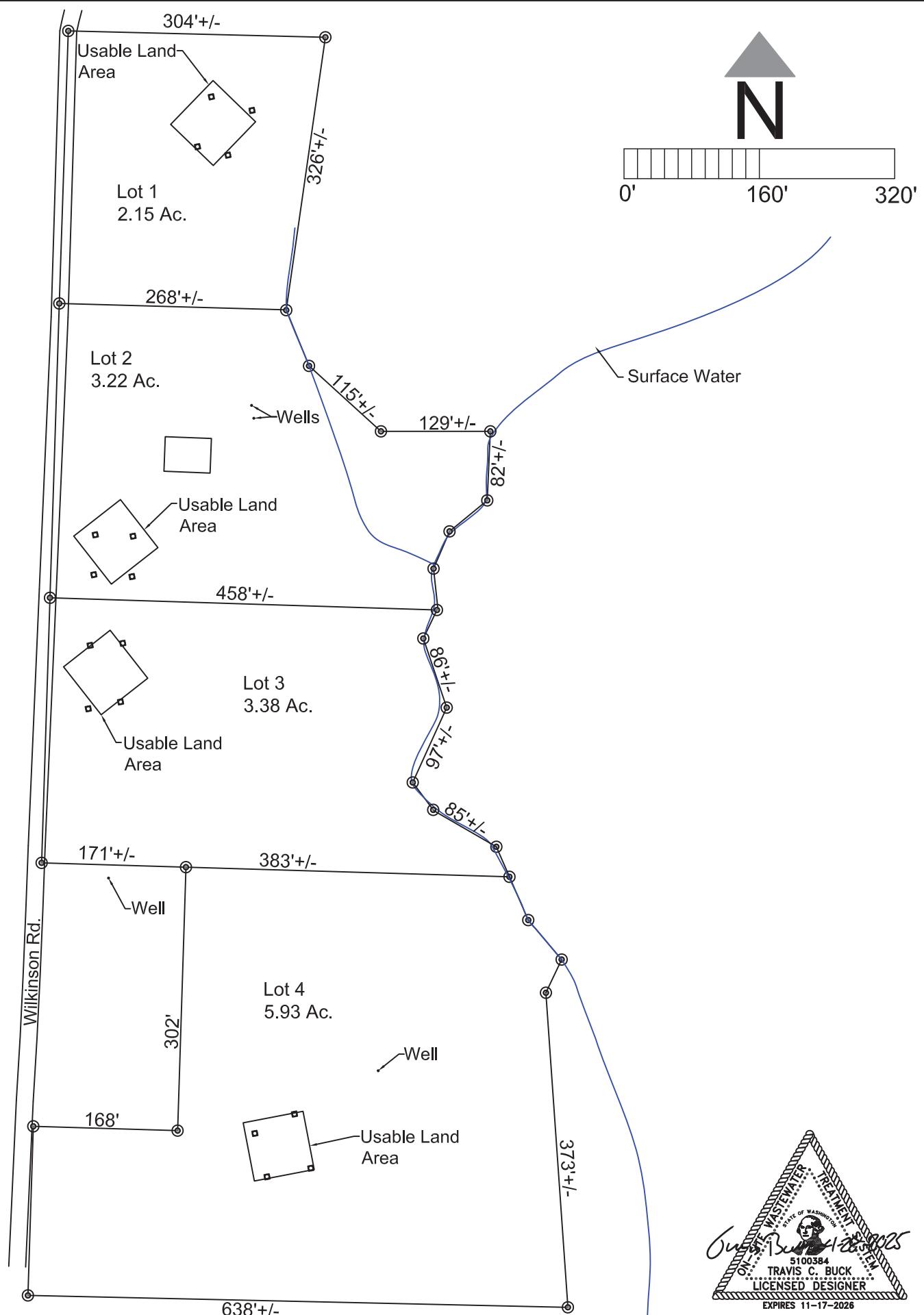
Usable Land Area
5,000 sq. ft.

TH-1
TH-2
TH-3
TH-4
2% Slope

458'+/-



Chilton Inc.	Advanced Septic Consulting Inc.	Design: 25-040.2	Date: 4/28/2025
Parcel Number: EH2405008	3210 Westside Hwy. Castle Rock, Washington 98611	Drawing: 1	Scale: 1" = 60'
Woodland, Washington 98674	Cell: 360-433-5476 E-Mail: dirtwhisperer@gmail.com		



Chilton Inc.
Parcel Number: EH2405008
Woodland, Washington 98674

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

Design: 25-040
Date: 4/28/2025
Drawing: 2
Scale: 1" = 160'