



## 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](http://www.co.cowlitz.wa.us/hhs)

### SOILS EVALUATION CHECKLIST

Project Address (if available): 145 Resort Ln. Parcel No.: WC2503014

Plat #: \_\_\_\_\_ Lot #: 3 of 3 Acreage 4.01 Method II Analysis Required (Indicate One):  Yes  No

Name: Nicolas & Mindy Patee Choose one:  Owner  Applicant  Authorized Agent

Designer: Travis Buck #Bedrooms/GPD: 3/360 Water Supply:  Public  Well (choose one)

Proposed System Type: Standard Gravity Flow system

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

DESIGNER INITIAL		STAFF INITIAL
<u>TB</u>	1. Completed EHU Master Application*, including parcel # and address (if available)	
<u>TB</u>	2. A Cowlitz County Planning Certification form had been completed (please circle: YES or NO)	
<u>TB</u>	3. Name & Address of property owner and applicant on each page of submission. [WAC 246-272A-0200(1)(a)(i)]	
<u>TB</u>	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)	
<u>TB</u>	5. A site plan is attached and shows general topography and /or slope are shown on the parcel for the applicable areas	
<u>TB</u>	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.	
<u>TB</u>	7. Numbered Soil Log/Evaluation Report dated and attached with texture, structure, and other soil characteristics.	
<u>TB</u>	8. The site is ready for inspection: <ul style="list-style-type: none"><li>Clear and concise directions to inspection site are provided (if necessary).</li><li>Entrance to property is clearly marked</li><li>Primary and reserve areas are labeled**</li><li>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</li></ul>	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 3 @ 145 Resort Ln.**

April 18, 2024

Design Number: 24-018.3

Customer: Nicolas & Mindy Patee, 1500 Butte Hill Rd. Woodland, Washington 98674

Project Location: 145 Resort Ln. Kalama, Washington 98625

Section: 25 Township: 6N Range: 1W Lot: 3 of 3

Parcel Number: WC2503014      Acres: 4.01      No. Bedrooms: 3

#### Type of Water Supply: Existing Shared Well





## Advanced Septic Consulting Inc.

April 18, 2024

Design Number: 24-018.3

Customer: Nicolas & Mindy Patee, 1500 Butte Hill Rd. Woodland, Washington 98674

Project Location: 145 Resort Ln. Kalama, Washington 98625

Section: 25 Township: 6N Range: 1W Lot: 3 of 3

Parcel Number: WC2503014 Acres: 4.01 No. Bedrooms: 3

Distance to Water Supply: Existing Shared Well 530' North of Proposed Septic Area

### **Site Characteristics:**

The site is located within USDA-NRCS mapping unit 125 – Mart Silt Loam. Typical depth to the water table is greater than 80 inches. The site is well drained in the primary septic area with no mottling noted. A restrictive layer has been noted in the primary area ranging from 56 to 58 inches. The reserve area has moderate mottling and a restrictive layer noted ranging from 32 to 41". Typical slope ranges from 20 to 30%. The proposed primary septic area is on a west facing slope with a slope ranging from 22 to 28%. Vegetation in the septic area is field grass..

### **Soil Evaluation:**

	<b>Depth</b>	<b>Soil</b>	<b>Type</b>	<b>Structure</b>	<b>Color</b>	<b>Roots</b>	<b>Mottling</b>
<b>Test Hole #1</b>	0-18"	SiL	5	3, m, gr	10yr3/3	m/f	None
	18-56"	siCL	5	2, m, sbk	10yr4/4	f/m, f	None
	56-57"	siC	7	Massive	Mixed	None	None
<b>Test Hole #2</b>	0-10"	SiL	5	3, m, gr	10yr3/3	m/f	None
	10-41"	siCL	5	2, m, sbk	10yr4/4	f/m, f	None
	41-55"	siC	7	Massive	Mixed	None	Moderate
<b>Test Hole #3</b>	0-6"	SiL	5	3, m, gr	10yr3/3	m/f	None
	6-32"	siCL	5	2, m, sbk	10yr4/4	f/m, f	None
	32-55"	siC	7	Massive	Mixed	None	Moderate
<b>Test Hole #4</b>	0-16"	SiL	5	3, m, gr	10yr3/3	m/f	None
	16-58"	siCL	5	2, m, sbk	10yr4/4	f/m, f	None
	58-60"	siC	7	Massive	Mixed	None	None

### **Design Requirements:**

Based upon the evaluation performed on January 25, 2024 it is my determination that the primary area is adequate for the use of a Standard Gravity Flow system meeting Treatment Level E to service the on-site septic needs of the future home.

The primary area will require 900 sq. ft. of drain field and 2,250 sq. ft. of land area.

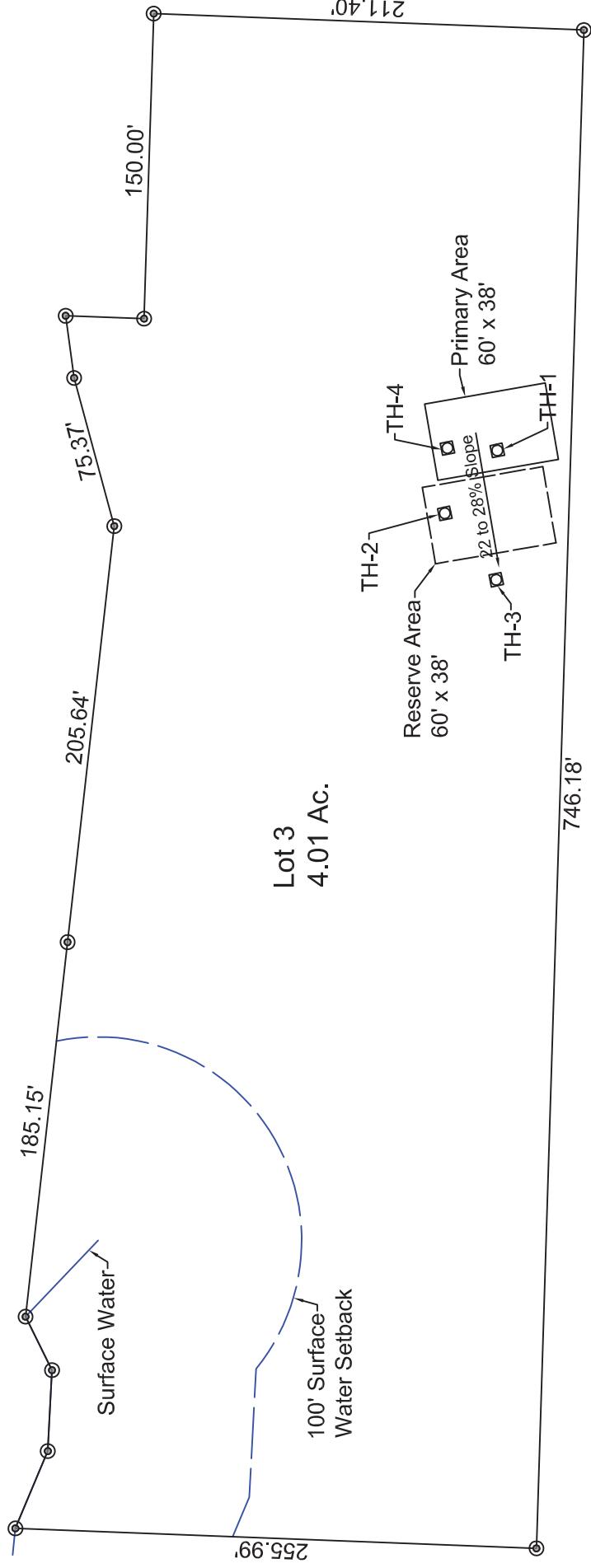
The reserve area has been designated for the use of a Pre-Treatment Level B system followed by a Pressure Distribution system and will require 900 sq. ft. of drain field and 2,250 sq. ft. of land area.

### **Other comments or concerns:**





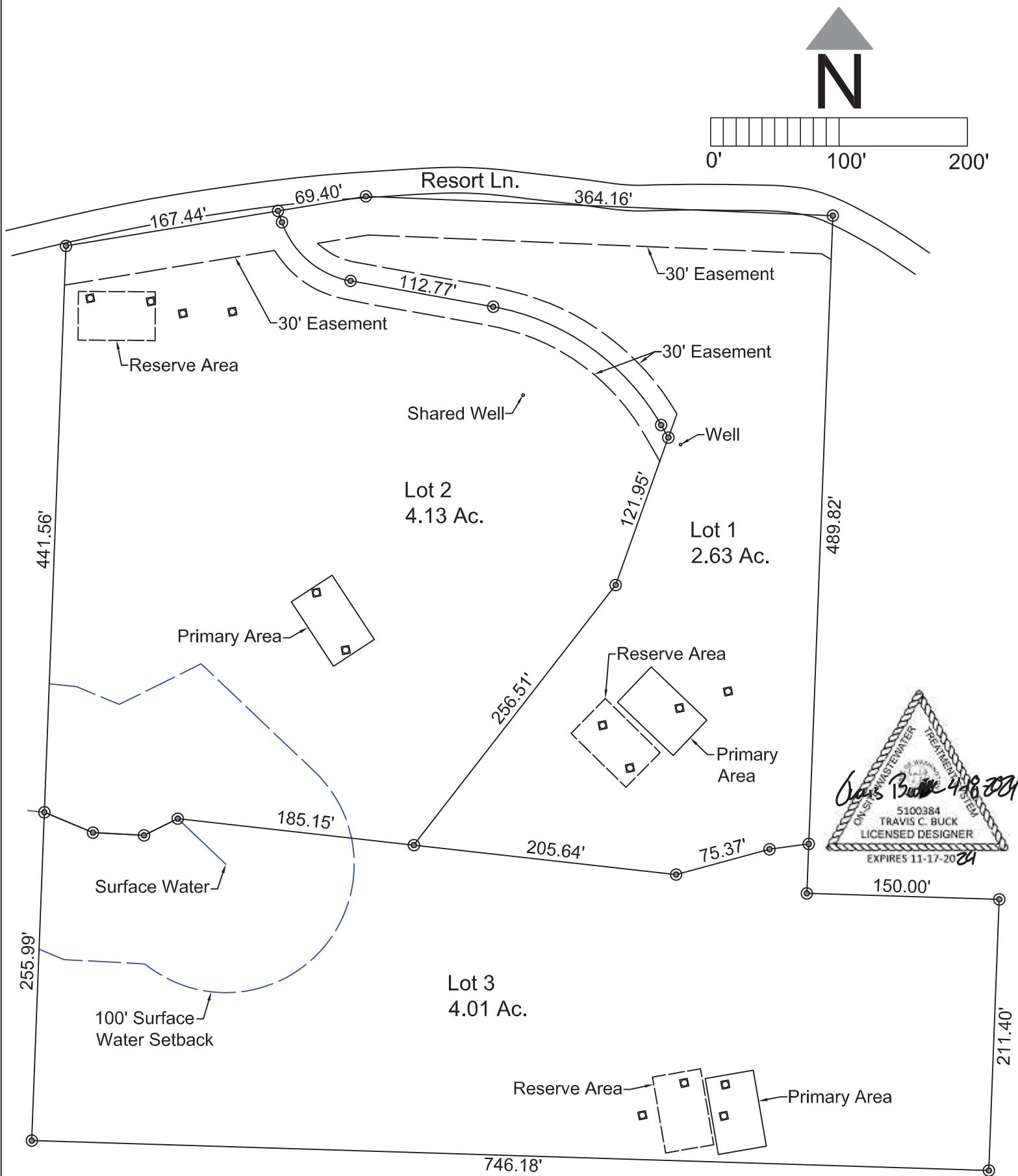
160'  
80'  
0'



Design:	24-018.3	Date:	4/18/2024
Drawing:	1	Scale:	1" = 80'

Nicolas & Mindy Patee  
145 Resort Ln.  
Kalama, Washington 98625  
Advanced Septic Consulting Inc.  
3210 Westside Hwy. Castle Rock, Washington 98611  
Cell: 360-433-5476 E-Mail: diriwhisperer@gmail.com

4/18/2024  
TRAVIS C. BUCK  
LICENSED DESIGNER  
EXPIRES 11-17-2024



Nicolas & Mindy Patee  
 145 Resort Ln.  
 Kalama, Washington 98625

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

Design:  
 24-018

Date:  
 4/18/2024

Drawing: 2

Scale: 1" = 100'