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OCT 03 2025

Is Co Public Health

Island County Public Health

Mailing Address: 1 NE 7th Street, Coupeville, WA 98239

Physical Address: 1 NE 6th Street, Coupeville, WA 98239

Ph: Whidbey 360-679-7350 | Camano 360-678-8261

PERMIT TO CONSTRUCT AN ON-SITE SEWAGE DISPOSAL SYSTEM
NON-CONFORMING REPAIR

Receipt Number: EH-25-01801

Permit/Asbuilt Number: PT2025-491 185

Statement of limitations: This repair does not meet the minimum standards of the state code. Every attempt to meet the intent of the code was applied to this project. Limitations require care and attention to ensure the system maintains function in the future. The applicant holds Island County harmless regarding any future performance of the system.

Owner/Applicant Signature see letter size original Designer Signature [Signature] Date 10-3-25

Applicant Name: MARCUS & KRISTINE HOOD Parcel Number: S6397-00-00008-0

Address of Construction Site: 4694 WRIGHTSMAN PLACE City: CLINTON

Property Length: IRREGULAR Property Width: IRREGULAR Area: .3223 ACRES

Off-site Drainfield Parcel Number (if applicable): AF#

Name of Water System: Clinton Water District Private Well [checked] Group A [ ] Group B [ ] 2-Party [ ]

Table with 3 columns: Permit Type, System Limitations, Reason for Failure. Includes checkboxes for Single Family Residence, Commercial Type 1, etc.

Table with 3 columns: Onsite Sewage System Components. Includes checkboxes for Low-Pressure Trench, Low Pressure Bed, etc.

Annual OSS Inspection Required for all Non-Conforming Repairs

Number of Bedrooms: 3 Design Flow: 360 Operating Flow: 270

Maximum Redevelopment Building Square Footage: 2 bed = 2,000 ft²; 3 bed = 3,000 ft²; 4 bed = 4,000 ft²

[checked] Development exceeds the design capacity of the OSS per stated design standards.

Soil Class/Type: MFS / 3 Loading Rate: 0.64 Site Registration #: SR-85-173 Asbuilt #: PT-175-94

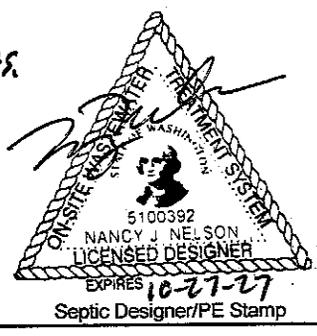
Drainfield Required: Size: failed DF= 378 ft², Length: 126, Width: 3

Drainfield Installed: Size: 378 ft², Length: 42, Width: 9, Percentage Reduction: n/a %Trench

Depth: 18 in. Sand-lined Trench Depth: 48" Depth of ASTM C-33 Sand: 30"

Public Health Comments: Water conservation recommended for life of system. Less than 100% of drainfield installed due to lot constraints.

- Preconstruction meeting required
Island County Inadvertent Discovery Plan applies to all ground-disturbing activities
Dry conditions installation only - sensitive site with limited soils
[checked] Permit subject to all conditions of attached memos or permits Public Works



A START CARD IS REQUIRED TO BE SUBMITTED A MINIMUM OF 24 HOURS IN ADVANCE

Permit Approved: TB Permit Disapproved: Date: 10/22/2025

Permit Number: PT2025-491 Expiration Date: 04/22/2026

System Installed by: Construction Inspection date(s):

Final Inspection: Rejected: Date:

Final As-built: Approved: Rejected: Date:

PT2025-491



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PERMIT TO CONSTRUCT AN ON-SITE SEWAGE DISPOSAL SYSTEM

Parcel Number S6397-00-00008-0

Permit Number: PT2025-491 295

Minimum Permit Requirements		Pump Information	
Designer- Indicate applicability and completion [ X ]		Lead Pump Dose Timed: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/>	Building setback/buffer for both primary and reserve	HP: <u>1/2</u> Total Head: <u>~14</u> ft	
<input checked="" type="checkbox"/>	Trench/bed cross-section - show vertical separation	GPM: <u>43.2</u>	
<input type="checkbox"/>	Dimensioned reserve area	Auxiliary Pump Information	
<input type="checkbox"/>	% Slope for both primary and reserve	HP: <u>4/10 to 1/2</u> Total Head: <u>TBD</u> ~20 ft	
<input checked="" type="checkbox"/>	Water line location	GPM: <u>10</u>	
<input checked="" type="checkbox"/>	System hydraulic calculations	Theoretical [ ] Actual [ ] Timer Settings	
<input type="checkbox"/>	Glendon calculation - cross section	ON: <u>1 min 30 sec</u> OFF: <u>6 hours</u>	
<input type="checkbox"/>	Oscar calculations - cross section	Dose Volume: <u>67.5</u> gal GPM <u>43.2</u>	
<input type="checkbox"/>	Mound calculations - cross section	Low-pressure Distribution	
<input type="checkbox"/>	Design narrative for all commercial systems	Transport Line Diameter: <u>existing</u> in	
<input checked="" type="checkbox"/>	Pump curve - with pump indicated	Transport Line Length: <u>existing</u> ft	
<input type="checkbox"/>	Curtain drain installation details	Transport Line Material: <u>existing</u>	
<input type="checkbox"/>	Water & Sewerline crossings details	Total Elevation Difference: <u>18</u> ft	
<input type="checkbox"/>	All setbacks to demonstrated or waived	Manifold Diameter: <u>1.5 - 3</u> in	
<input checked="" type="checkbox"/>	Plot plans to show all system components	Lateral Lengths:	
<input type="checkbox"/>	Tank-only permits - show drainfield location	#1 <u>40</u> #2 <u>40</u> #3 <u>40</u>	
Cut sheets are NOT required. Please use the table below for component specifications		#4 _____ #5 _____ #6 _____	
Components	Manufacturer/Model	Lateral Diameter: <u>1.25</u> in	
2-Comp Tank	Existing (repair inlet pipe)	Lateral Material: <u>PVC Sch 40</u>	
Pump Tank	Infiltrator CM1060 (or equivalent)	Orifice Spacing: <u>2</u> ft	
Trash Tank		Orifice Diameter: <u>3/16</u> in	
ATU	NuWater BNR600 in plastic tank	Number of Orifices: <u>60</u>	
Combo Tank		Minimum Residual head <u>3</u>	
Panel	NuWater specified or SJE Rhombus TD series	Drip	
Pump	Goulds PE51 (or equivalent)	Transport Line Diameter: _____ in	
Filter	Zabel A1800 (or equivalent)	Transport Line Length: _____ ft	
D-box	4-hole (to slow down flow to NuWater)	Total Elevation Difference: _____ ft	
UV Disinfection		Line Lengths:	
Drip Line		#1 _____ #2 _____ #3 _____	
Drip Headworks		#4 _____ #5 _____ #6 _____	
Pump Basin	Use Existing 600 gal tank	Total Dripline Length: _____	
Aux. Pump	Use Existing	Dripline Spacing: _____	
High Water Alarm	Tank Alert EZ (or equivalent) <u>at lift tank</u>	Number of Emitters: _____	
		Mound	
		Depth of Sand Under Bed: _____ in	
		Upslope Fill Length: _____ ft	
		Downslope Fill Length: _____ ft	
		Endslope Fill Length: _____ ft	
		Finished Dimensions: L _____ ft x W _____ ft	
		Glendon	
		M31 <input type="checkbox"/> M32 <input type="checkbox"/> Basin Volume: _____	
		Basin Length: _____ ft	
		Basin Width: _____ ft	
		Basin Depth: _____ ft	
		Finished Dimensions: L _____ ft x W _____ ft	
		Oscar	
		OS-50 coils <input type="checkbox"/> OS-100 coils <input type="checkbox"/>	
		Oscar II <input type="checkbox"/> Oscar III <input type="checkbox"/> Oscar XO2 <input type="checkbox"/>	
		Minimum Shoulder: _____	
		Number of coils: _____	
		External Review	
		SHE _____	
		SHE-LR _____	
		RUD _____	
		CUP _____	
		CGP _____	
		ROW _____	
		SHP/PLP _____	
		SVAR _____	
		HYDRO _____	
		OTHER _____	



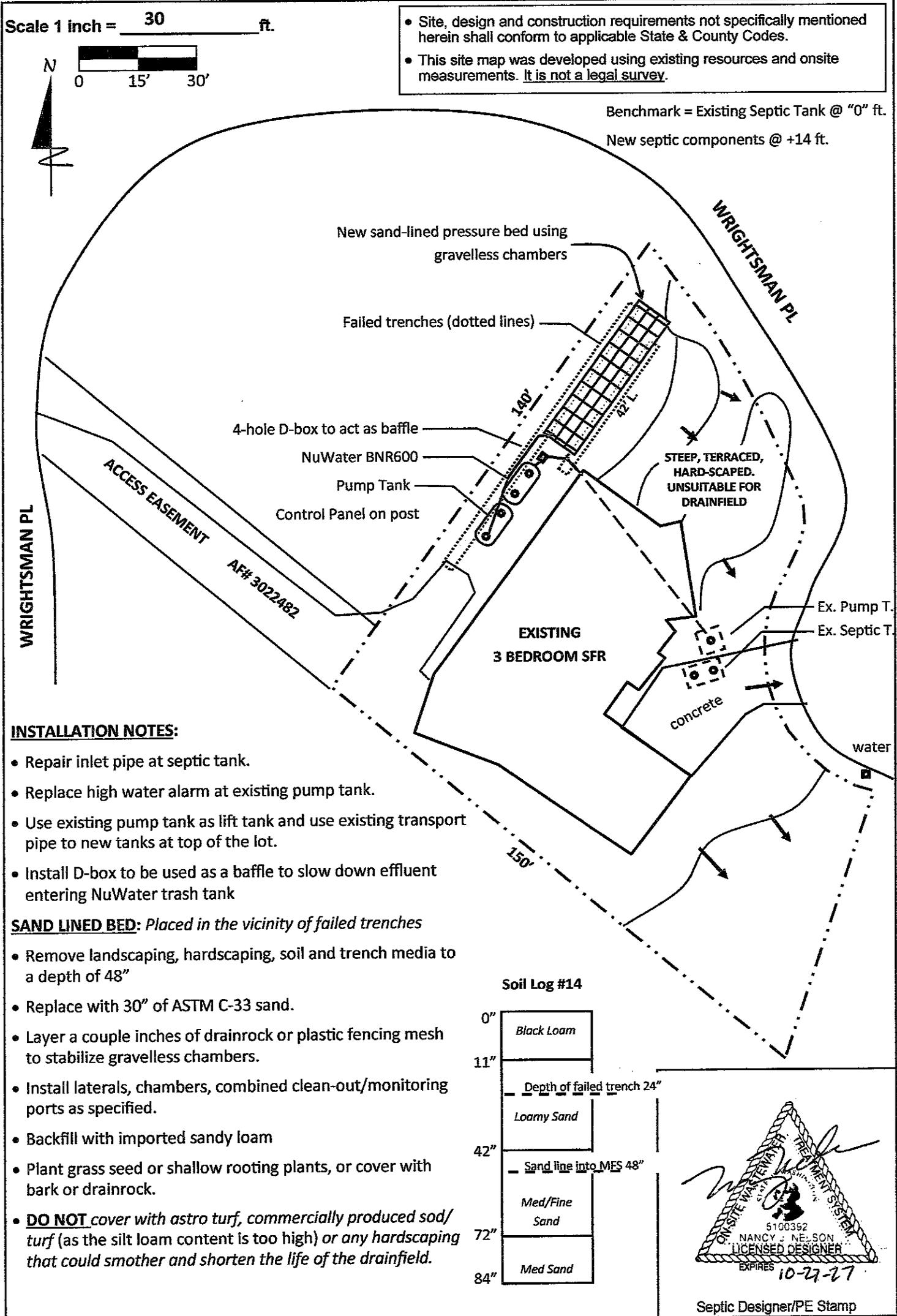
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### Plot Plan

Parcel Number: S6397-00-00008-0

Permit Number: PT2025-491 385

Plot plan drawn to scale to include all required information as in Island County Code 8.07D.130 Soil and Site Evaluation



**INSTALLATION NOTES:**

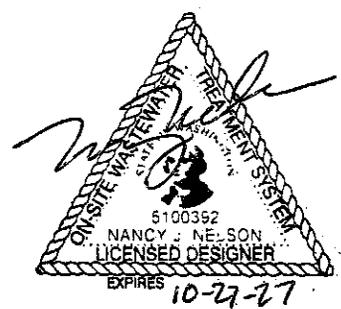
- Repair inlet pipe at septic tank.
- Replace high water alarm at existing pump tank.
- Use existing pump tank as lift tank and use existing transport pipe to new tanks at top of the lot.
- Install D-box to be used as a baffle to slow down effluent entering NuWater trash tank

**SAND LINED BED: Placed in the vicinity of failed trenches**

- Remove landscaping, hardscaping, soil and trench media to a depth of 48"
- Replace with 30" of ASTM C-33 sand.
- Layer a couple inches of drainrock or plastic fencing mesh to stabilize gravelless chambers.
- Install laterals, chambers, combined clean-out/monitoring ports as specified.
- Backfill with imported sandy loam
- Plant grass seed or shallow rooting plants, or cover with bark or drainrock.
- **DO NOT cover with astro turf, commercially produced sod/ turf (as the silt loam content is too high) or any hardscaping that could smother and shorten the life of the drainfield.**

Soil Log #14

0"	Black Loam
11"	Depth of failed trench 24"
	Loamy Sand
42"	Sand line into MES 48"
	Med/Fine Sand
72"	
	Med Sand
84"	



Septic Designer/PE Stamp



Parcel Number: S6397-00-00008-0

Permit Number: PT2025-491 4 of 5

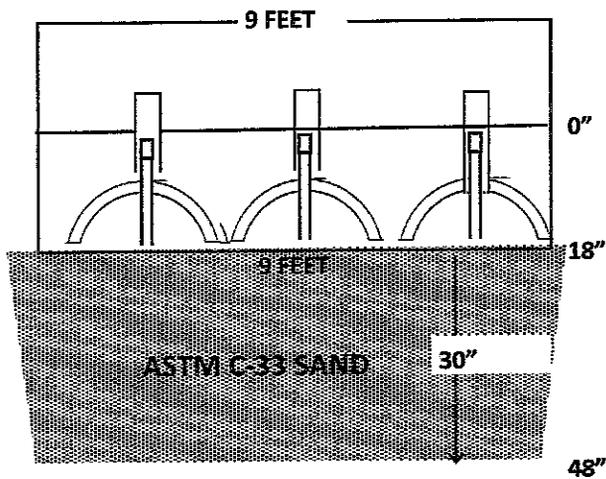
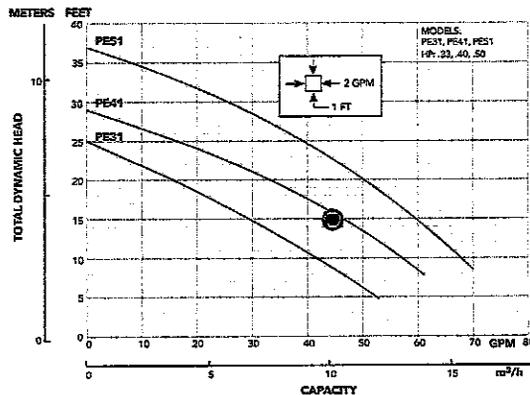
**Design Specifications**

- Transport pipe: 1.5"
- Laterals: 1.25", 3 @ 40' L.
- Orifice spacing: 2 ft
- Orifice diameter: 3/16 inch
- Total No. of holes: 60
- Gallons per minute: 43.2 (60 holes x .72)

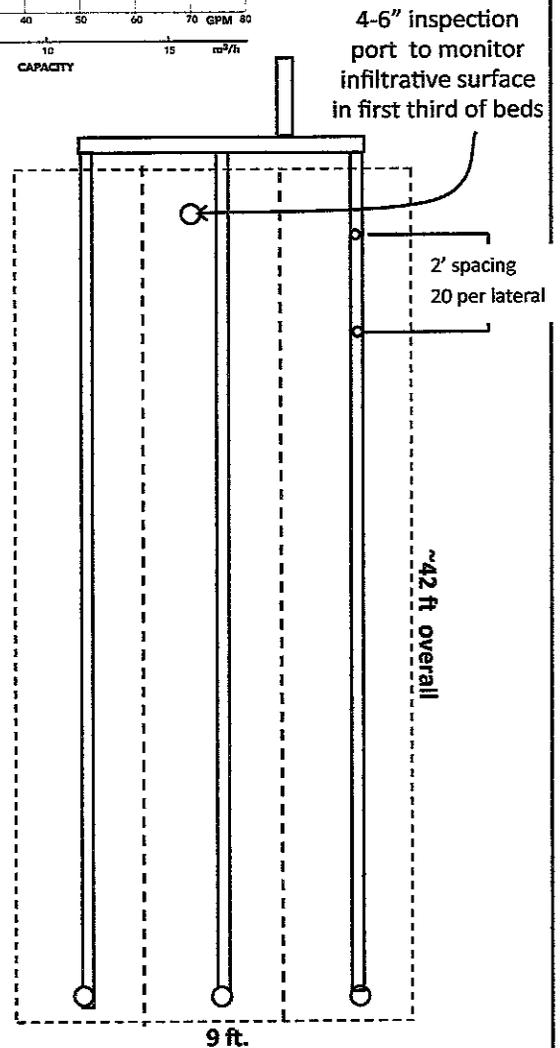
**Estimated Friction Loss for Pressure Bed:**

- From pump 5'
- Distal Pressure: 3'
- Transport pipe: 4'
- Misc. (laterals, fittings): 2'
- Total Dynamic Head: ~ 14'

**Gould's PE51 (or equivalent)**

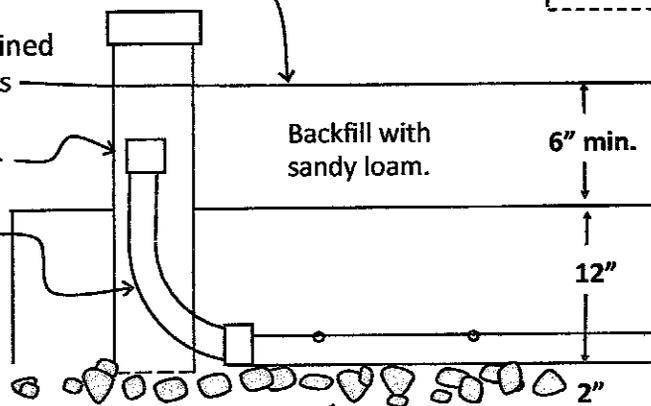


**DO** Plant grass seed, shallow rooting plants, or cover with bark or drainrock. **DO NOT** cover with commercial turf, astro turf, or hardscape of any kind as it will smother the drainfield and shorten the life of the system.



4-6" Pipe capped for combined Clean-out/Monitoring ports at lateral ends  
 Screw on cap—do not glue.

Use **Long Sweep Elbow** (so that laterals can be jetted in the future)



Layer of washed rock or layer of plastic chicken fencing to stabilize chambers

Site, design and construction requirements not specifically mentioned herein shall conform to applicable State and County Codes

Quick4 Standard Gravelless Chambers: 10 PER ROW = 30 TOTAL, PLUS END CAPS



Septic Designer/PE Stamp



## Island County Public Works

Ed Sewester, P.E., County Engineer

Matthew Lander, P.E., Assistant County Engineer

PT2025-491  
595

1 NE 7<sup>th</sup> Street, Coupeville, WA 98239 | [www.islandcountywa.gov](http://www.islandcountywa.gov)

Ph: Whidbey 360-679-7331 | Camano 360-387-3443 | S Whidbey 360-321-5111

Email: [Ed.Sewester@islandcountywa.gov](mailto:Ed.Sewester@islandcountywa.gov) | [M.Lander@islandcountywa.gov](mailto:M.Lander@islandcountywa.gov)

October 8, 2025

TO: Onsite Team, Environmental Health  
FROM: Alexander Reitz, Public Works Development Coordinator  
SUBJECT: Permit #: PT2025-491 EH-OSS-REPAIR  
Parcel No.(s): S6397-00-00008-0

### Summary:

The Applicant wishes to repair an existing septic system on their parcel to support an existing SFR. The parcel is encumbered by steep slopes that appear to be retained and well maintained.

Drainage patterns for the residence are unlikely to change as part of this development. Based on the current arrangement it appears this proposal adheres to ICC 11.02.310 so long as a minimum of a two-foot setback to the parcel lines are adhered to, including the placement of the tanks. Public Works does not require any additional documents for this proposal so long as proper best management practices are utilized during development.

### **The Public Works Development Coordinator has no objections to approval subject to the following conditions:**

1. Applicant will be expected to maintain a minimum of a 2-foot setback between the septic components and the property lines in accordance with ICC 11.02.310.
2. Appropriate Erosion and Sedimentation Control Best Management Practices shall be employed during all ground disturbing construction activities.
3. Disturbances to Critical Areas or their buffers are not authorized without first obtaining the appropriate permits from the Island County Planning and Community Development Department.
4. The proposed development shall not result in the diversion of surface water, or create new drainage channels, increasing runoff and/or hazard to downslope properties, roads, or critical areas.

Please feel free to call me at 360-678-7813 or e-mail me at [a.reitz@islandcountywa.gov](mailto:a.reitz@islandcountywa.gov) if you have any questions regarding the above comments.