

GRAYS HARBON COUNTY DEPARTMENT OF PUBLIC SERVICES ENVIRONMENTAL HEALTH DIVISION

100 W Broad Suite 31 Montesano, W. 98563 360-249-4222 360-249-3203 fax RECEIPT 2496 8-5-14 \$641.00

ON-SITE SEWAGE APPLICATION

NEW SYSTEM	M 🗆 EXPA	NDED SYSTEM	□EXISTING SYS	STEM TANK	PLACEMENT
*Site Address 804 W. S.	4TSOP R	d	- 10	1	
*Applicant's Name_DAVE SUMA	AERILL	Sig	nature	W	
*Applicant's Mailing Address P.O. Bo	X 861		<u> </u>	*City Mon to	35 AND
*State WA. *Zip 98563	*Phone (hor	me) 360 NH	(mobile)	305.409-03	214
*Owner's Name & Address	<u> </u>		/	807102300	020
Township / Range 07 6	Ser	ction	*Parcel #_	070-91-40	010
Subdivision Name	3	Div	Lot	_Block	
*Directions to Site Go 70 BRADY + GO	NORTH ON	middle Satsop	ed to LOFT ON	W. Satsop/. YA	wile to Adress
*Description of proposal unstru 2	BED ROOM	a single from	ily sopties	ystem	
			***************************************		· Oncode the after an address range agreement property agree.
*Property Size 2 & Acres *Total # of Bedrooms 2 3 per design *Basement Plumbing: DYES DNO *Type of Building: Single Family DMulti-Family Food Establishment Commercial *Water Supply: Individual 2 Party Public Name of Water Supply For Existing Systems: Number of Existing Bedrooms Proposed Additional Bedrooms Call before you dig requirements: When digging greater that 12-inches call 8-1-1 to avoid running into underground utilities					
Call before you dig requirements: When digging greater that 12-inches call 8-1-1 to avoid running into underground utilities.					
FOR ENVIRONMENTAL HEALTH USE Organic install before water Soil Type Silt Loam Application Rate 0.4 g pd /ft² Existing Permit # availability approval.					
Depth of Water Table or Indicators > 5 \(\frac{1}{2} \) \(
Absorption Area Sq.Ft.	Date		Record of Action		Ву
. / \/	8-18-14	Site Evalue	ition		MIS
1.10		New plans su		8-14 Made	MB
V (1 X		Final Inspec			MB
Septic TankGallons					
Pump Required No					
Comments: See designed plans by Greg Walterick, Maintain drainfield and reserve areas					
free of structures and vehicular traffic. Call for final inspection before buildilling.					
Owner responsible for inspection of system every 3 years - pump tank as needed,					
Approved System Designer Greg Walterick - Peninsula Septic Sewage Installer Owner Approved Approved Final Hs-Built Received					
System Designer Greg Walterick - Peninsula Septic Sewage Installer Owner Approved & Issued 9-19-14 By Mikal Berkeni Inspection 6-25-15 By Mikal Berkenis					
HoldReason					
DisapprovedReason			By		woman control of the second of
20140877 THIS PERMIT EXPIRES 8-5-16 Permit # 2014-0877					

Department of Public Services

Phone: 360-249-4222 Fax: 360-249-3203



100 West Broadway; Suite 31 Montesano, Washington 98563 www.co.grays-harbor.wa.us

GRAYS HARBOR COUNTY

STATE OF WASHINGTON

September 19, 2014

Peninsula Septic Design W. 2380 Highland Rd Shelton, WA 98584

Re:

Septic System Design Review for Parcel #180709140010

Permit # 2014-0877

Dear Mr. Walterick:

A review of the above referenced design plan has been performed and approved, provided the following conditions are met:

- 1) A final inspection and certified detailed "as-built" drawing of the systems installation are required. Provide "as-built" within thirty (30) days after installation.
- 2) A final inspection by the Health Department.
- 3) Performance monitoring of the system is required in accordance with current state and county regulations. The health officer and/or his authorized representative, after proper identification, shall be permitted the right of entry and/or the right to inspect.

Should you have any questions, please contact this office at (360) 249-4222.

Sincerely,

Michael A. Bernheine

Environmental Health Specialist

Cc: Dave Summerill

RECORD DRAWING (ASBUILT) pg. 1 PARCEL IDENTIFICATION Assessor Parcel # 18070-02-30020 2014 - 10877 Permit Number DAVE SUMMERILL Subdivision (Name/Div/Block/Lot) Applicant Name PO BOX 861 Applicant Address SERT INSTALL Installer Name City, State, Zip 98563 PANINGULA Soutriberian Site Address W. SAISOD Fol Designer Name INSTALLATION CHECKLIST ☐ Repair ☐ Drainfield Only Full System Installation Septic Tank Only Pretreatment Type System Type >5 ft. from foundation? -----YES NO >50 ft. from wells? -----H >50 ft. from surface water? - - - - - - - - - - - -SEPTIC TANK W Cleanout between building and tank? ------W Tank baffles present? - - - - - - - - - - - - - - - -4 24" access risers over each compartment? - - - - - -W Effluent filter installed? - - - - - - - - - - -4 DRECAST Manufacturer Miles Septic tank size gal D-box water level and speed levelers used? - - - - - - - - -☐ NO Manifold/D-box accessible from surface? - - - - - - - - - - - - - -Check valves installed? -Schedule/Olass Transport Line Size_ 1/2 □ 3 Bedrooms installed (check one) >10 ft. from foundation? - - - - - - - - - - -☐ N/A YES NO >100 ft. from wells?-----DRAINFIELD >100 ft. from surface water? - - - - - - - - - - - -4 >10 ft. from potable water lines?-----> 5 ft. from property lines and easements? - - - - - - - - -> 30 ft. from downgradient curtain/foundation drains? - - - - - - - -Drainfield level and observation ports present - - - - - - - - - - -1 Graveless chambers or Clean gravel used? (check one) Proper cover installed over drainfield? - - - - - - - - - - - - - - - - -4 Pump tank setbacks consistant with septic tank? - -YES, ☐ NO ☐ N/A Manufacturer **PUMP / PUMP TANK** Pump tank size

24" access riser(s) and accessible mony	surface?			
Alarm or Control Panel Installed?			$\Lambda/\not\square$	
Control Panel equipped with Timer / ET	M Counter	🗆	/ D A	
Pump installed in Bucket or	On Block or Oth	er		
Pump Make/Model		☐ Floats	or Transduce	
Tank draw downin/min	Pump capacity	gpm Squ	irt Height	ft
Pump on time	Pump off time	/	Daily flow set at	gp

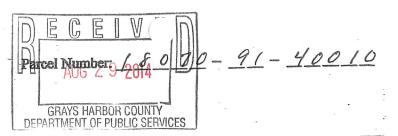
	DESIGN CHECKLISTS					
Scaled Plot Plan Fest hole locations Soil logs Property lines Existing and proposed wells within 100 ft of property Measurements to cuts, banks, and surface water and critical areas Location and orientation of curtain drain and all absorption components Location and dimension of primary system and reserve area Buildings Direction of slope indicator Waterlines Roads, easements, driveways, parking North arrow and scale drawing shown on scale bar	Scaled Layout Sketch Trench/bed dimensions and critical distances within layout D-Box/Valve box locations Septic tank/pump chamber locations Observation port location Clean-out location Manifold placement D-R Orifice placement with distance to edge of bed Audible/visual alarm reflerenced Scale of drawing shown on scale bar GREG J. WALTERICK LICENSED DESIGNER EXPRES 15/23/2018	Cross-Section Sketch Reference depth from original grade: Design staked out Cher Information Cher				
	DESIGN-APPROVAL.					
The undersigned designer must be notified by installer at time of installation Yes U No						
Signat	1	Date DECEIVE SEP 1 8 2014 GRAYS HARBOR COUNTY DEPARTMENT OF PUBLIC SERVICES				

CAUTION: DESIGN APPROVAL IS VALID ONLY UNDER THE FOLLOWING CONDITION:

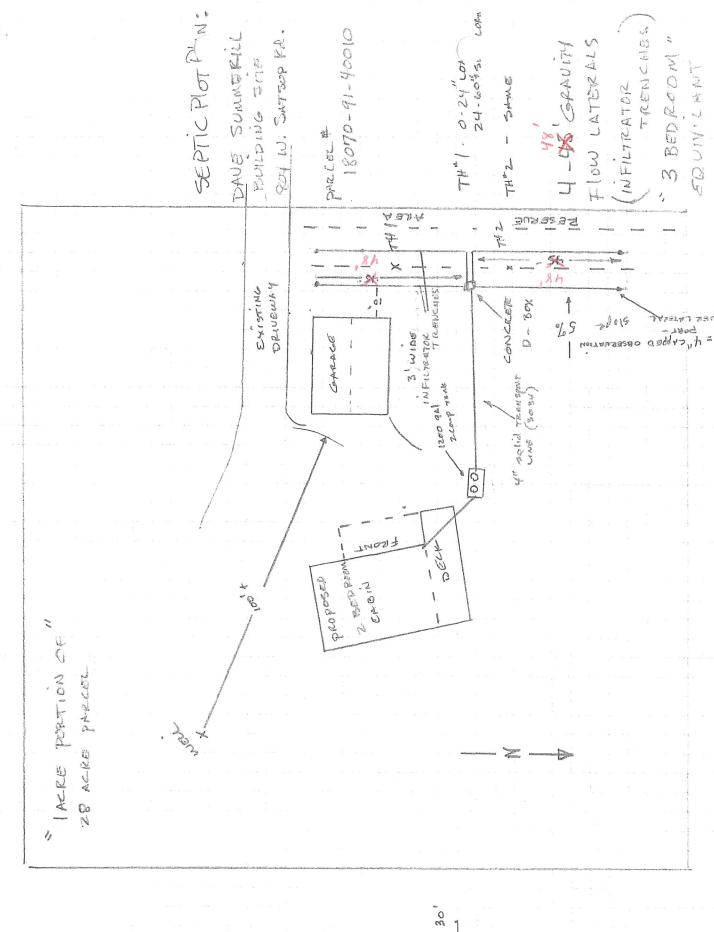
✓ Drainfield site conditions have not been altered to adversely affect conditions of design approval.

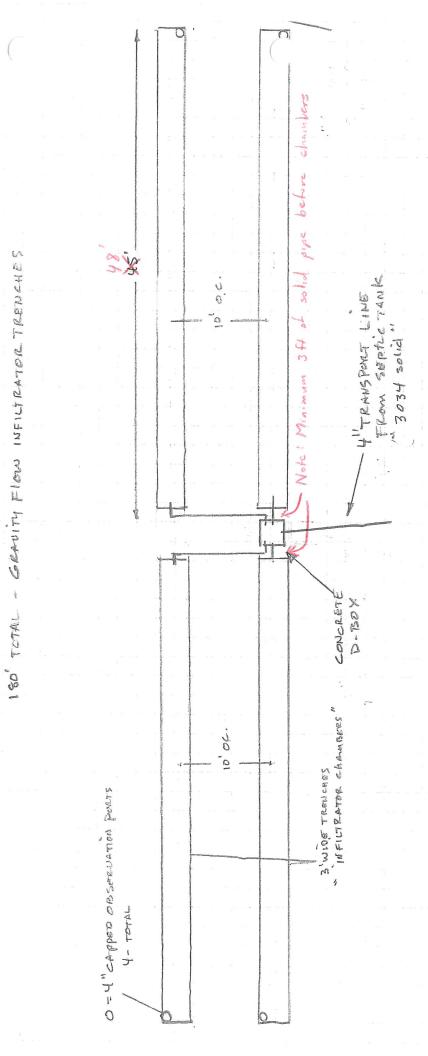
OFFICE COPY

Peninsula Septic Desig O&M W.2380 Highland Rd. Shelton, WA 98584 360-490-0614 State-certified Septic Designer / Operations & Maintenance Specialist



	DENTIFICATION .				
Petini Minister	signer's Name: PEN-INSULA SEptic DESIGN O+M				
DAVIE SUMMERILL Designer's Phone Number: 360 490-0619					
Mailing Address: P.O.Box 861 D	esigner's Address: 2380 W. Highland Pd				
MONTESANOWA. 98563	Sherton, WA 98584 City State Zip				
City State Zip	City State Zap				
	ment Device				
grad 4 4 700 E 70					
Linker Market - Li Jeni I IIIa	Unit Make/Model Other:				
11 AECONC CHR. PARETHOUN					
☐ Pressure ☐ Trend					
Septic Tank/Drainfield Specifications	Laterals				
Number of Bedrooms 3	Schedule/Class INFILTRATOR CHAMBERS				
Daily Flow: Operating Capacity 360 gpd	Length 45 48 ft				
Daily Flow: Design Flow 360 gpd	Diameter 3'WIDE				
Septic Tank Capacity (200 gal	Number 4				
Receiving Soil Type (1-6)	Separation 9'0C fit				
Receiving Soil Appl. Rate . 4 gpd/ft²	Orifices				
Required Square Footage 900 ft ²	Total Number of Orifices				
Designed Square Footage 540 n^2	Diameter in				
Percent Reduction Taken 40 %	Spacing in				
Trench/Bed Width 3 ft	Manifold				
Trench/Bed Length	Schedule/Class CONCRETE - D-BOX				
Elevation Measurements	Length Q'FEEDER PIDES I				
Original Drainfield Area Slope 5 %	Diameter 4 '' in				
New Slope, If Altered %	Preferred manifold configuration used? ✓ Yes □ No				
Depth of Excavation Up-slope 24 in	Transport Pipe				
from Original Grade Down-slope 22,2 in	Schedule/Class 3034				
Designed Vertical Separation 36" + in	Length 50 t ft.				
Gravelless Chambers? Required Do Not Use D Optional	Diameter 4" in =				
Pump Required?	Dosing and Pump Chamber				
Pump/Siphon Specifications	Number of doses/day				
Elevation Difference Between Pump Shutoff and Uppermost	Dose quantity				
Orificeft	Chamber Capacity gal				
Uppermost Orifice Thigher Lower than Pump Shutoff	Pump controls: Please check those required.				
Capacity @ Total Pressure Head gpm	☐Timer ☐Elapse Meter ☐ Event Counter				
Calculated Total Pressure Headft	If Timer! Pump on, Pump off				
Comments					





DRAINFIELD LAYOUT

DOTALLED

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Construction Notes

- If the site is too wet to prepare, do not proceed until it is properly dry. The soil MUST be properly dry before installation can proceed. Do no install the drain field while the soils are wet.
- 2. Use EXTREME care in site preparation. Remove "NO" top soils. Use care in tree and stump removal.
- 3. Trench bottoms must be level. Follow contours of the slopes.
- 4. If a "D" box is used, speed levelers are required.
- 5. Brush piles and debris are not to be burned on top of the proposed drain fields sites.
- 6. Do not use the drain field areas for storage of excavated dirt, parking areas, lumber packages, or anything that will disturb or destroy the areas.
- 7. Do not deviate from this design without permission from the designer.
- 8. Drain fields sites are to be roped off, for the protection of the sites, prior to and during the construction of the home. No traffic of any type is allowed on top of the drain field sites. Soils can be damaged easily and the infiltration rate can be lost, making the proposed sites unusable for a drain field.
- 9. Once the trenches are excavated, the sidewalls and bottoms are to be raked to open the infiltration surfaces.
- 10. Cleanable effluent screens are to be used.
- 11. Construction and materials for this system shall conform to the latest regulations and requirements of the County Health Department.
- 12. Topography, benchmark, stub-out and invert elevations are based on assumed data.
- 13. Ascertain location of underground utilities before digging.
- 14. Edge of drain field trenches to be a minimum of 5 feet from any property and/or easement.
- 15. Encroachment of house and/or driveway into drain field or reserve area may render the site unusable, requiring a redesign at additional costs, or even totally unusable.
- 16. All roof drains and surface water run off shall be directed away form the drain field.
- 17. Sewer lines under roadways shall be encased in pipe rated at 1000 lb. crush strength.
- 18. This system is not designed for use of a garbage disposal. Use of such may cause system failure.
- 19. Where sewer and water lines cross, water lines must be a minimum of 18 inches above sewer lines and encased in another pipe for a minimum of 20 feet. Crossing must be at center of encasement pipe.
- 20. Where a good off site sandy cover is placed over an installed drain field, the sandy soil shall extend ten feet beyond drain field and be feathered to match existing terrain.
- 21. Installation and use of this septic system without a tee filter located in the outlet side of the septic tank may cancel any warranty, expressed or implied.
- 22. This system requires a proper degree of maintenance. Certification of the design and installation does not insure trouble free service.
- 23. Keep septic components a minimum of 10 feet from any water line under pressure, unless sleeving of water line is provided, per codes.
- 24. A curtain drain (if required by designer or health department) is to be installed a minimum of 8 inches into compaction and tight lined to daylight, meeting all county codes. Down slope side is to be lined with black plastic.