



Certificate of Satisfactory Completion
Repair (Major) - Residential - New

463-24-000152-PRMT

Josephine Onsite Septic Program
 700 NW Dimmick Street
 Suite A
 Grants Pass, OR 97526
 541-474-5444
 Fax: 541-474-5422
 onsite Septic@josephinecounty.gov
 Website: josephine.or.us

Date Certificate Issued: 01/21/2025
Work Description: MAJOR REPAIR - ATT WITH CAPPING FILL

Applicant: BRUMBLE, MATTHEW & BRUMBLE, MAKENNA	Primary Contractor: C.B.C. Cat & Backhoe, Inc.
Address: 4424 REDWOOD AVE GRANTS PASS OR 97527	Installer License: 36803
Phone: 5418211902	Address: 725 W Evans Creek Rd Rogue River OR 97537
Email: MATTHEWBRUMBLE1902@GMAIL.COM	Phone: 5418214850
	Email: schcbc@msn.com

Owner: BRUMBLE, MATTHEW & BRUMBLE, MAKENNA	Property Address: 4424 Redwood Ave, Grants Pass, OR 97527
Address: 4424 REDWOOD AVE GRANTS PASS OR 97527	

Parcel: 360621D000120000 - Primary **Township:** 36 **Range:** 06 **Section:** 21

Lot Size: 1.98	Water Supply: Well
Zoning: N/A	City/County/UGB: N/A
Land Use Approval: N/A	

Category of Construction: Residential

	Existing	Proposed
Use of Structure:	SFR	SFR
Number of Bedrooms:	2	2

System Specifications

Type: Alternative Treatment Technology (ATTs)	ATT Description: Advantex AX20RT Mode 3 with UV
Max Peak Design Flow: 450 gpd.	Proposed Flow: N/A
Min Septic Tank Volume: 1500 gal.	Min Dosing Tank Volume: N/A
Special Tank Requirements: 1500 gallon two compartment Riverside concrete tank is proposed and approved	

Drain Field Specifications

Drain Field Type: Capping Fill	System Distribution Type: Equal
Drainfield Sizing: N/A	Distribution Method: Equal-Hydrosplitter
Media Type: Rock/Pipe	Media Depth: 12 in.
Trench Length: 105 linear ft.	Rock Above Pipe: 2 in.
Total Rock Depth: 12 in.	Rock Below Pipe: 6 in.
Max Depth: 12 in.	Undisturbed Soil Between Trenches: 8 ft.
Min Depth: 12 in.	Capping Fills-Min Depth of Fill Material: 10 in.

Special Requirements

Groundwater Type: Permanent	Groundwater Depth: N/A
Pump to Drainfield Required: Yes	Filter Fabric on Top of Drain Media: Yes
Other Special Requirements: (1) 150 linear ft of drainfield has been proposed. (2) Scarify soil prior to installing drainfield	

Date Certificate Issued: 01/21/2025

Work Description: MAJOR REPAIR - ATT WITH CAPPING FILL

Conditions of Approval

1. This permit is for the installation of an Alternative Treatment Technology (ATT) system and is to be installed by a person certified by the system manufacturer in accordance with OAR 340-071-0600 and 0650. See Alternative Treatment Technology rules at OAR 340-071-0345.
2. ATT treatment standard 2 required.
3. The owner of an ATT system must maintain a contract with a maintenance provider certified by the manufacturer to inspect, adjust and maintain the onsite system. The maintenance provider must submit an annual report and annual evaluation fee.
4. Capping fill rules at OAR 340-071-0265. Construction must occur in dry soil conditions between June 1 and October 1 unless otherwise approved by the agent. The cap material must be pre-approved by the agent prior to placement. Minimum 10-ft between edge of fill and trench. Drainfield area must be scarified. Contact between native soil and fill must be mixed. Final cap to be seeded and or landscaped to prevent erosion. Protect from livestock and vehicular traffic.
5. Equal distribution. The cap material must be evenly graded to a final depth of 10-inches over the drain media.
6. The hydrosplitter must be located at least 6 inches higher than the piping in the highest disposal trench to ensure that effluent in the top line does not spill back into the hydrosplitter.
7. The discharge assembly from the hydrosplitter must be connected to larger diameter piping to provide for "open channel" flow. The system using a hydrosplitter is to be pressurized only to the hydrosplitter, and is to utilize gravity flow from the hydrosplitter to the disposal trenches.
8. The hydrosplitter must be enclosed in a secure enclosure with a solid, watertight bottom to eliminate the effect of rodents filling the enclosure with soil.
9. The pump and alarm must be wired on separate circuits in the control panel. Pump wiring must comply with applicable building, electrical, or other codes. An electrical permit and inspection from the Department of Consumer and Business Services, Building Codes Division, or the municipality with jurisdiction, is required for pump wiring installation.
10. The system must be installed in the area approved during the site evaluation and in accordance with the construction plan approved by the agent, including any changes made by the agent.
11. All work is to conform to OAR 340, Division 71 and 73. Make no changes in system location or specifications without approval by the agent.
12. The pump and alarm must be wired on separate circuits in the control panel. Pump wiring must comply with applicable building, electrical, or other codes. An electrical permit and inspection from the Department of Consumer and Business Services, Building Codes Division, or the municipality with jurisdiction, is required for pump wiring installation.
13. A minimum 18-gauge, green-jacketed tracer wire or green color-coded metallic tape must be placed on top of the effluent sewer or pressure transport pipe from tank to drainfield.
14. Effluent filter required at tank outlet. Orenco Biotube FT Series has been proposed and is approved.
15. Meet all required setbacks
16. All tanks must be tested for watertightness and have a water-tight riser to the ground surface. Twenty- inch minimum diameter if less than 36-in deep. Thirty-inch minimum diameter if greater than 36-in deep. Maintain access to septic tank for pumping and service.
17. Vehicular traffic and livestock must be restricted from the system area.
18. The system must be installed by the property owner or a licensed sewage disposal business (installer).
19. Dry soil installation only (June 1 – October 1 unless otherwise authorized by the agent).
20. Each drainfield trench must be level within a tolerance of plus or minus 1-inch.
21. A pre-cover inspection of the installed absorption facility (prior to backfill) is required.
22. A final inspection request and notice (FIRN) form including a detailed and accurate as-built plan of the constructed system and a list of all materials used in the construction of the system must be completed and submitted prior to requesting a final inspection.
23. Photos of the septic system components must be submitted along with the FIRN.

Date Certificate Issued: 01/21/2025
Work Description: MAJOR REPAIR - ATT WITH CAPPING FILL

Installation of this onsite wastewater treatment system has been determined to comply with the applicable requirements in Oregon Administrative Rules Chapter 340, Divisions 071 and 073 and the Conditions of Approval above.

1. In accordance with Oregon Revised Statute 454,665, this Certificate of Satisfactory Completion is issued as evidence of satisfactory completion of an onsite wastewater treatment system at the location identified above.
2. Issuance of this Certificate does not constitute a warranty or guarantee that this onsite wastewater treatment system will function indefinitely without failure. Conditions imposed as permit requirements continue for the life of the system.
3. The area of the initial and the identified replacement area must not be subjected to activity that is likely to adversely affect the soil or the functioning of the system. Such activities may include, but are not limited to, vehicular traffic, livestock, covering the area with asphalt or concrete, filling, cutting, or other soil modification activities.
4. This onsite wastewater treatment system that be connected to the facility referenced herein within 5 years of the issuance of this Certificate of Satisfactory Completion (CSC) or rules for authorization notices, alteration permits, or construction-installation permits as outlined in OAR 340-071-0160, 340-071-0205, or 340-071-0210 apply, including payment of an additional fee.
5. This system must operate in compliance with OAR Chapter 340, Division 071 and must not create a public health hazard or pollute public waters.
6. Unless otherwise required by the agent, the system installer must backfill (cover) this system within 10 days after the issuance of this Certificate of Satisfactory Completion.

Certificate of Satisfactory Completion

System Inspection: No **Operation of Law - 7 Days Notice:** Yes **Pre-Cover Inspection Waived Per 340-071:** No
Comments: PHOTOS SUBMITTED

Issued By: Joshua Daley, Environmental Specialist

Effective Date: 01/21/2025

Joshua Daley

CALL BEFORE YOU DIG...IT'S THE LAW

ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth by Oregon Administration Rules. You may obtain copies of the rules by calling the center. (Note: The telephone number for the Oregon Utility Notification Center is 1-800-332-2344.)

Final Inspection Request and Notice - Septic ID: 463-24-000152-PRMT

Pursuant to the requirements within ORS 454.665, OAR 340-071-0170 and OAR 340-071-0175, the system installer and/or the permittee must notify the Department of Environmental Quality (or its authorized Agent) when the construction, alteration or repair of a system for which a permit was issued is completed and prior to backfilling or covering the installation. The Department (or Agent) has 7 days to perform an inspection of the completed construction/installation following the official notice date, unless the Department (or Agent) elects to waive the inspection and authorizes the system to be backfilled. Receipt and acceptance of this completed form by the Department (or Agent) establishes the official notice date of your request for the pre-cover inspection. Faxed copies are acceptable for inspection request purposes only. Originals must be received before a Certificate of Satisfactory Completion is issued. Please complete sections 1 through 4 on the form and return it to the office that issued the permit. Forms that are determined to be incomplete will be returned.

SECTION 1: Owner/Permittee Information:

Name: BRUMBLE, MATTHEW & BRUMBLE, MAKENNA

Twncshp: 36 Range: 06 Sect: 21

Lot:

Property Address: 4424 REDWOOD AVE, GRANTS PASS, OR 97527

SECTION 2: System Component Specifications:

A. Tanks/Pumps	System Type:			Water tight verification*
Tanks(1)	Volume: 1500	Compartments: 2	Manufacturer: Riverside Ready Mix	Date: 10/18/24
Tanks(2)	Volume:	Compartments:	Manufacturer:	Date:
Pump(s)	HP:	Model/Manuf.	Float(s)Type(1):	Model/Manuf.
			Float(s)Type(2):	Model/Manuf.

B. Piping

Effluent Sewer (tank to drainfield)	Yes	No	Diameter:	ASTM#/Other:	Length:
Pressure Transport Pipe	Yes <input checked="" type="checkbox"/>	No	Diameter: 1 1/2"	ASTM#/Other: Sch 40 Rvc	Length: 205'

C. Secondary Treatment Unit:

Sand Filter**	Yes	No	Type:	Container Dimensions:
Underdrain pipe			Diameter:	ASTM#/Other: Length:
Manifold piping			Diameter:	ASTM#/Other: Length::
Internal Pump			HP:	Model/Manufacturer
Floats(1)			Type:	Model/Manufacturer
Floats(2)			Type:	Model/Manufacturer
ATT	Yes <input checked="" type="checkbox"/>	No	Model: AX20RT Mode 3 with UV	
Certified Maint.	Provider Name:			
Operation and Maint.	Contract Received?		Yes	No

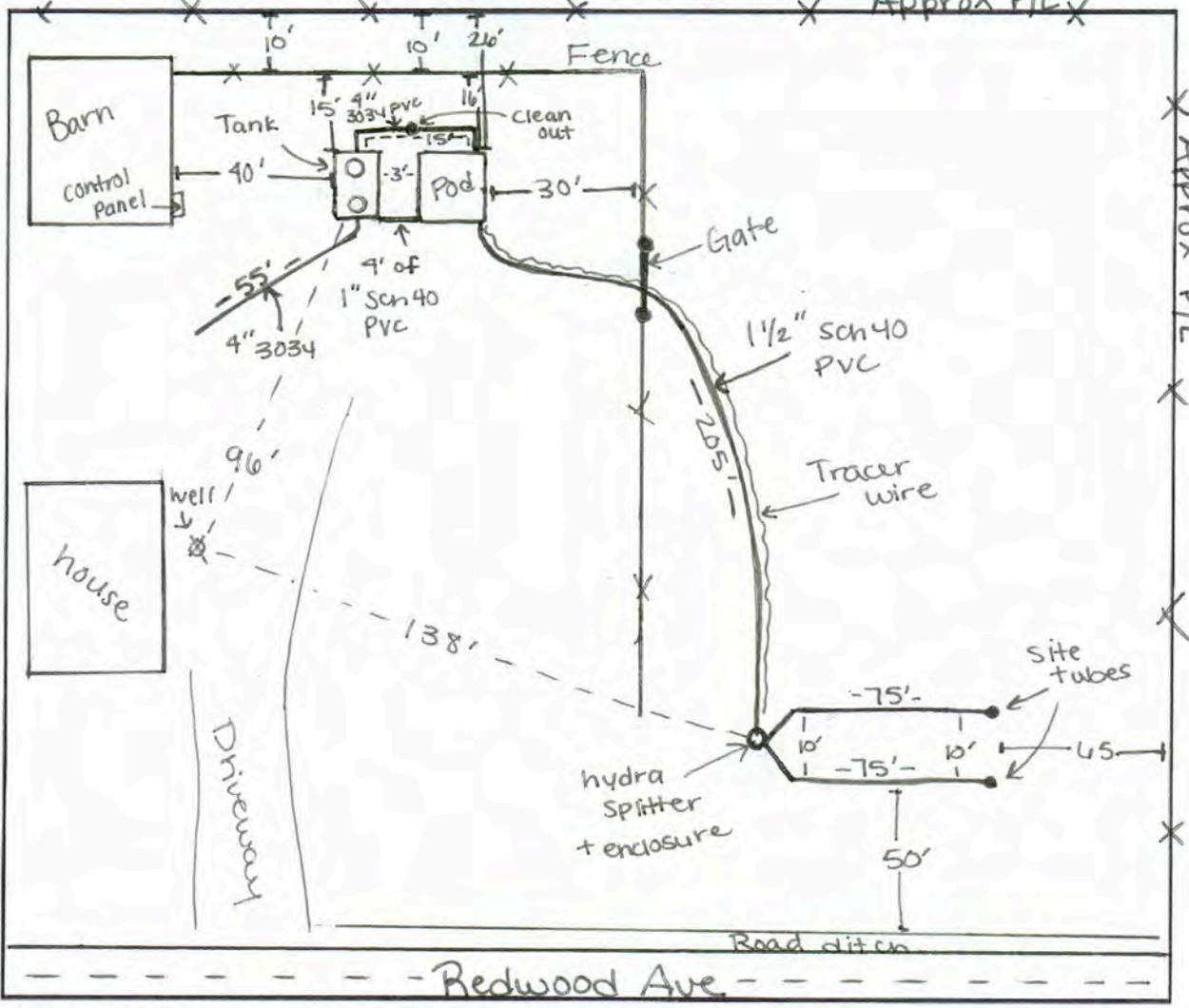
D. Drainfield Media

Type	(Gravel, Pipe or alternative?) 1 1/2" roundrock, 4" triplexwall perf., fabric.			
Distribution Box	Yes <input checked="" type="checkbox"/>	No		
Drop Box	Yes	No		
Distribution Pipe	Yes <input checked="" type="checkbox"/>	No	Diameter: 4"	ASTM#/Other: 4" triplexwall perf. Length: 150'
Comment				

*All Tanks(s) were tested for water-tightness after installation and passed in accordance with OAR 340-073-0025(3)
 **Attach sieve analysis for Underdrain Media and Filter Sand

SECTION 3 - As Built Plan

AS-BUILT PLAN OF THE CONSTRUCTED SYSTEM. Indicate the direction of NORTH. Show locations of all wells within 200 feet of the system. Show system setback distances from property lines, structures, wells, streams, etc.



SECTION 4 - Construction was performed by (Signature Required)

I certify that the information provided on both pages of this document is correct and that the construction of this system was in accordance with the permit and the rules regulating the construction of onsite wastewater treatment systems (OAR Chapter 340, Divisions 71 and 73).

Owner/Permittee or Certified Installer w/Certification#: Print Name: **CBC Cat & Backhoe, Inc.**

Licensed Installer: Yes No License#: **36803** Certification#: **RI 118**

Owner/ Certified Installer: Signature: *[Signature]* Date: **1/9/25** Phone#: **541-821-4850**

SECTION 5 - Office Use Only:

Notice Accepted Yes No Date: _____

Installer/Owner (Permittee) Notified: Yes No Date: _____

If No, Reason for Non Acceptance: _____

Comment: _____



State of Oregon
Department of
Environmental
Quality

SEPTIC TANK ABANDONMENT FORM

The Department of Environmental Quality rules require that all septic tanks be properly abandoned following hookup to a new septic system or when the tank is no longer in use. Please return the following form along with the pumping receipt to our office at 221 Stewart Avenue, Suite 201, Medford, OR 97501. If you have any questions, please call 541-776-6010.

Oregon Administrative rule 340-071-0185 **Decommissioning of Systems**

- (2) Procedures for decommissioning
 - a. Tanks, cesspools and seepage pits must be pumped by a licensed sewage disposal service to removal all septage.
 - b. Tanks, cesspools and seepage pits must be filled with reject sand, bar-run gravel or other material approved by the agent, or the container must be removed and properly disposed.

Property Owner Matt Brumble

Septic Tank location 4424 Redwood Ave Grants Pass

Legal Description: Twp: 36 Range 06 Section 21 TL# 1200

Date tank pumped: 12/6/24

By: Jesse Bruma License # 38879
(signature of licensed pumper)

This septic tank was backfilled with sand, clean bar-run gravel or other approved material after been pumped.

By: Shun Harbely Date: 12/7/24



































FIELD WORKSHEET

Name: BRUMBLE Application No.: 463-24-000152 Date: 5/23/24
 RE: **SITE EVALUATION REPORT for Parcel #:** _____

Commercial Facility: Yes No Parcel Size: 1.98

APPROVED SYSTEM SPECIFICATIONS

Design flow: 450 gpd Max Number of bedrooms: _____ Max Number of Employees: _____

Initial System	Replacement System
<input type="checkbox"/> Standard <input type="checkbox"/> Capping Fill <input type="checkbox"/> Bottomless Sand Filter <input type="checkbox"/> Conventional Sand Filter/ATT <input type="checkbox"/> Other _____	<input type="checkbox"/> Standard <input type="checkbox"/> Capping Fill <input type="checkbox"/> Bottomless Sand Filter <input checked="" type="checkbox"/> Conventional Sand Filter/ATT <input checked="" type="checkbox"/> Other <u>TS2</u>
Tank: <input type="checkbox"/> 1,000 gal. <input type="checkbox"/> 1,500 gal. <input type="checkbox"/> 2 compartment <input type="checkbox"/> Other <input type="checkbox"/> effluent pump required <input type="checkbox"/> effluent filter required	Tank: <input type="checkbox"/> 1,000 gal. <input checked="" type="checkbox"/> 1,500 gal. <input type="checkbox"/> 2 compartment <input checked="" type="checkbox"/> Other <input type="checkbox"/> effluent pump required <input type="checkbox"/> effluent filter required <i>NOISING SEPTIC TANK</i>
Distribution Method: <input type="checkbox"/> Equal <input checked="" type="checkbox"/> Serial <input type="checkbox"/> Pressurized	Distribution Method: <input checked="" type="checkbox"/> Equal <input type="checkbox"/> Serial <input type="checkbox"/> Pressurized
Absorption facility: _____ total linear feet _____ linear feet per 150 gallons projected daily sewage flow _____ " Max Depth _____ " Min Depth	Absorption facility: <u>105</u> total linear feet <u>35</u> linear feet per 150 gallons projected daily sewage flow <u>12</u> " Max Depth <u>12</u> " Min Depth

Additional Conditions of Approval

- Any alteration of natural soil conditions (i.e. cutting or filling) in the acceptable area may void this approval.
 - Both the initial and replacement disposal areas are to be protected from traffic, cover, development, or other potential disturbance of natural soil conditions.
 - The area must not be subjected to excessive saturation due to, but not limited to, artificial drainage of ground surfaces, roads, driveways, and building down spouts.
 - Placement of a well within 100 feet of the approved areas may invalidate this approval.
- A curtain drain is required, a minimum of _____ feet above the highest disposal trench.
 The curtain drain must be a minimum of _____ inches deep, and installed in accordance with OAR 340-071-0220 (12).
 Rake trench sidewalls.
 The system must be installed during dry soil conditions only.
 System must be installed between June 1 and October 1, unless otherwise approved by DEQ.

REQUIREMENTS: CONVENTIONAL SAND FILTER OR ATT, 105 LINEAL FEET OF DRAINFIELD WITH 12" DEEP CAPPING FILL EQUAL DISTRIBUTION THRU HYDROSPLITTER. SETBACK > 50' FROM ROAD DITCH. SEE SITE SKETCH FOR APPROVED AREA. IF ATT IS USED TREATMENT STANDARD TWO IS REQUIRED.

Inspector: MIKE OBERLINER

PIT No.	DEPTH	TEXTURE	SOIL MATRIX COLOR AND CONDITIONS ASSOCIATED WITH SATURATION, ROOTS, STRUCTURE, EFFECTIVE SOIL DEPTH, ETC.
Test Pit 1	0-6	SL	106R 3/2; wsbk; many f roots
	6-13/17	SL	197R 3/3; wsbk; f f m roots
	13/17-46	SL	104R 3/3 w/ many 2.5Y 4/2 DEPLETIONS; common Mn nod. common 7.5YR 4/6 concent.; f f m roots
	46+	H ₂ O	
Test Pit 2	0-11/15	SL	104R 3/2; wsbk; many f roots
	11/15-20	SL	104R 4/3 w/ many 2.5Y 4/2 DEPLETIONS; common 7.5YR 4/6 concent.; f f roots wsbk
	20-45	S	VARIETATED SAND COLORS; sg; 10% gravel
Test Pit 3			
Test Pit 4			
Test Pit 5			
Test Pit 6			

Landscape Notes: GRASS FIELD

Slope: 1-3% Aspect: NE Groundwater Type: Permanent Temporary

Other Site Notes: GRADUAL BOUNDARY CHANGES BETWEEN SOIL HORIZONS, NO OUTFALL FOR POTENTIAL DE-WATERING SYSTEM. ROAD DITCH: WATER PRESENT



NOTICE AUTHORIZING REPRESENTATIVE

I, Matthew Brumble, have authorized Shawn Herberholz / CBC Cat & Backhoe Pros act as my
(Property Owner/Print Name) (Authorized Representative/Print Name)

agent in performing the activities necessary to obtain all onsite wastewater treatment program services provided by the Josephine County on the property described below in accordance with OAR chapter 340, division 071. I agree that any costs not satisfied by the Authorized Representative are my responsibility and I authorized Josephine County Onsite Septic agents to conduct required business activities on said property.

PROPERTY IDENTIFICATION:

4424 Redwood Ave
(Property Situs or Road Address)

And described in the records of Josephine County as:

Township 36S Range 06W Section 28 Map ID _____ Tax Lot #(s) 001200

PROPERTY OWNER:

Printed Name: Matthew Brumble

Address: 4424 Redwood Ave

City, State, Zip: Grants Pass OR 97527

Phone: 541-821-1902 Email: Matthewbrumble1902@gmail.com

Signature: 
DocuSigned by: A641262651FD415...

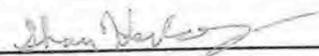
AUTHORIZED REPRESENTATIVE:

Printed Name: CBC Cat & Backhoe, Inc / Shawn Herberholz

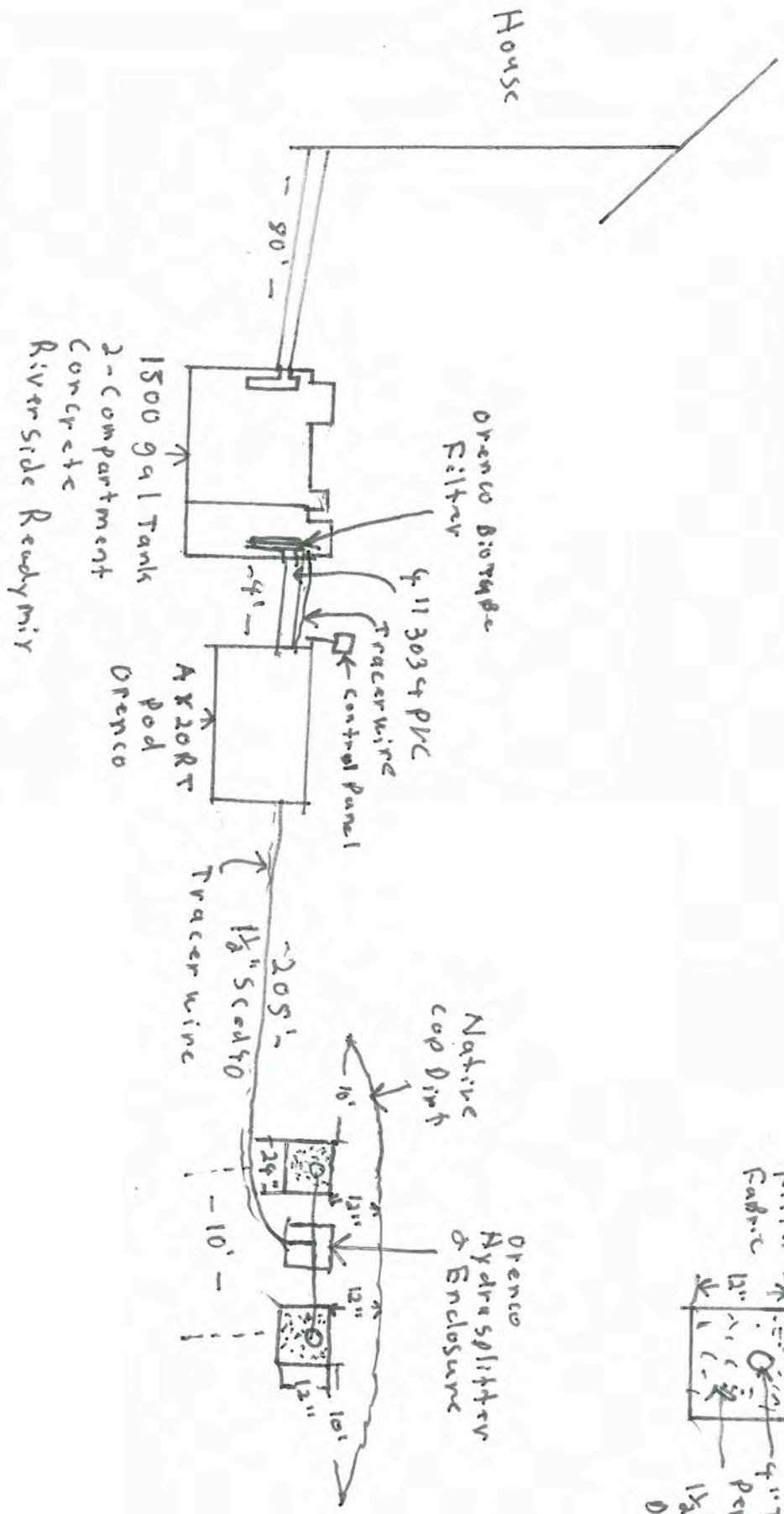
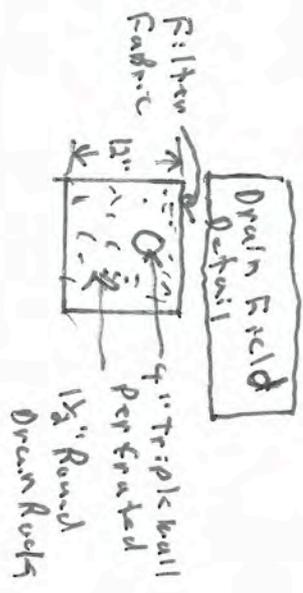
Address: 725 W Evans Creek Rd.

City, State, Zip: Rogue River, OR 97537

Phone: 541-821-4850 Email: cbccatandbackhoe@gmail.com

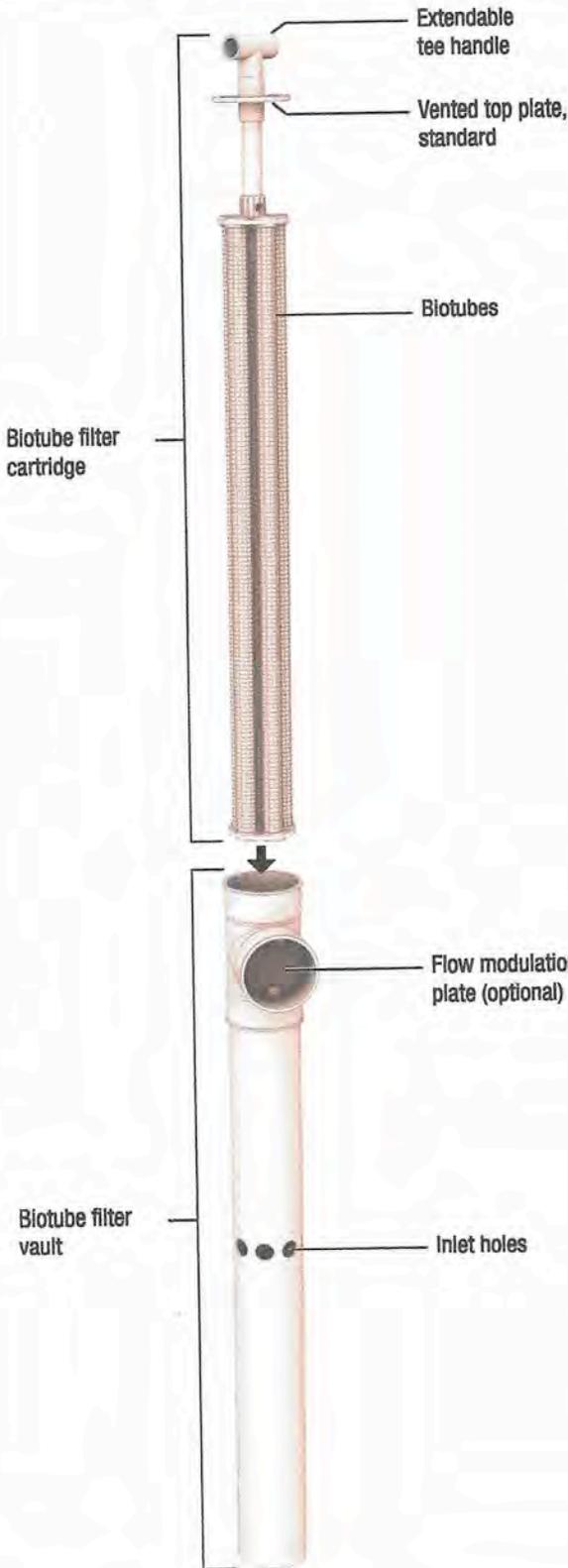
Signature: 

4424 Redwood Ave
 463-24-000152-Prmt



Shawn Oberley
 9-3-24
 C.B.C. cut a Backhoe PnC

Biotube® FT-Series 4in (100mm) Effluent Filters



Applications

Orenco Biotube FT-Series 4in (100mm) Effluent Filters are designed to remove solids from effluent leaving residential septic tanks. They can be used in new and existing tanks at flows of up to 1200gpd (4.54m³/day).

General

Biotube FT-Series 4in (100mm) Effluent Filters are used to improve the quality of effluent exiting a septic tank in a residential septic system. Increased effluent quality improves system performance and extends drainfield life.

The Biotube cartridge fits tightly in the vault and is removable for maintenance. The tee handle can be extended for easy removal of the cartridge. An optional flow modulation plate is also available.

Standard Models

FTS0444-36, FTS0444-36M, FTW0436-28, FTW0444-36, FTW0444-36M

Product Code Diagram

FT [] [] 04 [] - [] - []

Flow modulator and float switch bracket options:
 Blank = no options selected
 M = flow modulation plate installed
 A = float switch bracket installed

Cartridge height, in (mm):
 28 = 28 (711), standard
 36 = 36 (914), standard

Filter housing height, in (mm):
 36 = 36 (914), standard
 44 = 44 (1118), standard

4in (100mm) filter diameter

Outlet tee:
 S = fits Schedule 40 outlet tee
 W = fits Type 3034 outlet tee

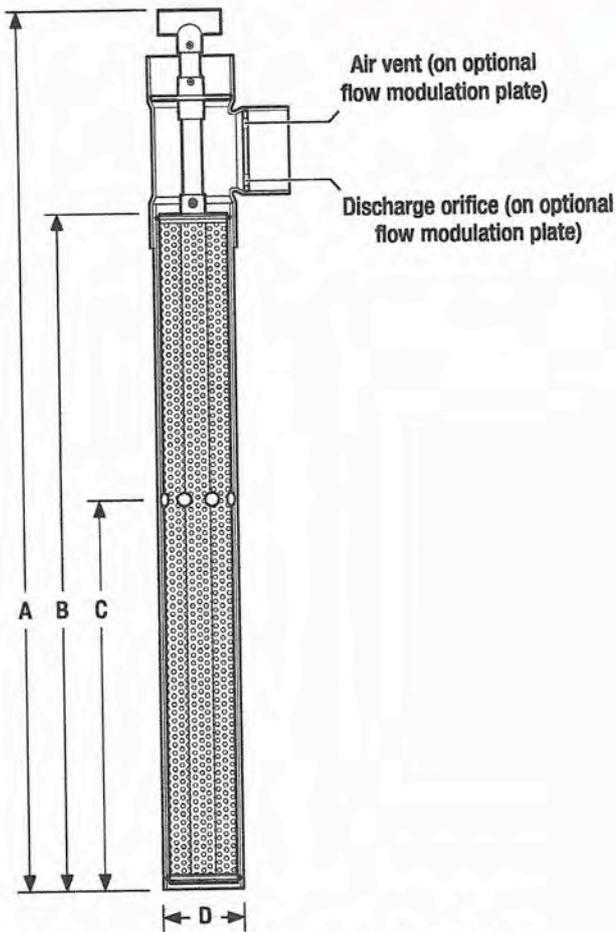
Filter mesh option:
 Blank = 1/8in (3.2mm) filter mesh
 P = 1/16in (1.6mm) filter mesh

Orenco® Biotube® FT-Series Effluent Filter

Not all product code configurations may be available as standard products.

Materials of Construction

Vault	PVC
Biotube cartridge	Polypropylene and polyethylene
Handle components	PVC, polyethylene, stainless steel



Biotube filter cartridge inside Biotube filter vault with optional flow modulation plate installed: side-cutaway view

Optional Flow Modulation Plate Specifications

Number of discharge orifices	2
Discharge orifice diameter, in (mm)	1/2 (13)
Number of air vents	1
Air vent diameter, in (mm)	1/2 (13)

Specifications

Model	FTS0444-36, FTW0444-36	FTS0436-28, FTW0436-28
A Vault height, in (mm)	44 (1118)	36 (914)
B Cartridge height, in (mm)	36 (914)	28 (711)
C Inlet hole height*, in (mm)	21 1/4 (540)	19 1/4 (489)
D Nominal diameter, in (mm)	4 (100)	4 (100)
Number of inlet holes	8	8
Inlet hole diameter, in (mm)	1.13 (29)	1.13 (29)
Discharge coupling nominal diameter, in (mm)	4 (100)	4 (100)
Filter surface area†, ft ² (m ²)	5.1 (0.50)	3.9 (0.36)
Flow area‡, ft ² (m ²)	1.5 (0.14)	1.2 (0.11)

* Inlet hole height can vary depending on the configuration of the tank. Optimum hole height is 70% of the minimum liquid level.

† Filter surface area is defined as the total surface area of all individual Biotubes within the filter cartridge.

‡ Flow area is defined as the total open area (area of the mesh openings) of all the individual Biotubes within the filter cartridge.

AdvanTex® AX-RT Treatment Systems

Applications

Orenco's AdvanTex AX-RT Treatment System is a single, complete, self-contained module that treats septic tank effluent to better than secondary standards with nitrogen reduction before discharging it by means of pump or gravity. It is ideal for new home construction, and it is also well suited for:

- Repairs and retrofits
- Small sites and poor soils
- Sites that require shallow bury



AX20RT product image is for illustrative purposes only.

General

Following a septic tank equipped with a Blotube® effluent filter,* the AdvanTex AX-RT unit eliminates the need for separate recirc, treatment, and discharge tanks by performing all functions within a single module. It also reduces the number of risers and lids needed in the treatment train. For sites requiring antibuoyancy measures, Orenco offers antifloatation kits.

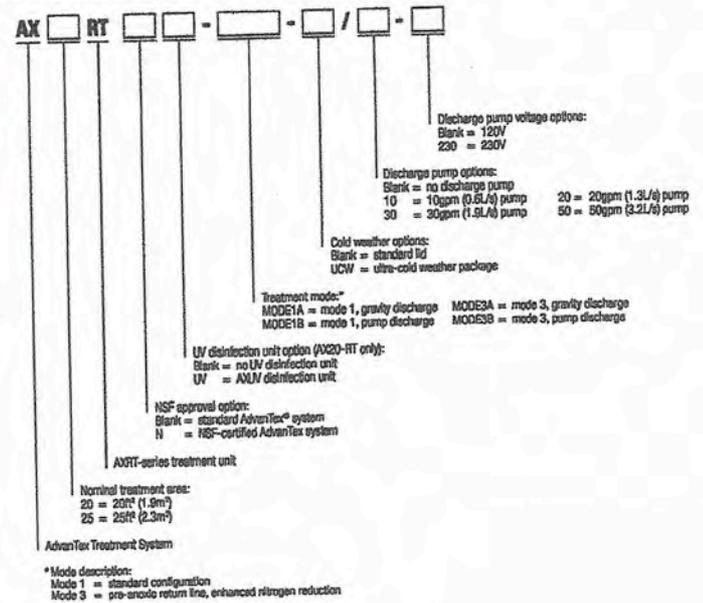
The heart of the system is the AdvanTex Recirculating Treatment Tank, a sturdy, watertight, corrosion-proof dicyclopentadiene (DCPD) tank that includes the same dependable, textile treatment media found in all AdvanTex products.

* Not to be sold individually in the state of Georgia.

Standard Models

AX20RT-MODE1A, AX20RT-MODE1B/10, AX20RT-MODE1B/30
AX25RT-MODE1A, AX25RT-MODE1B/10, AX25RT-MODE1B/30

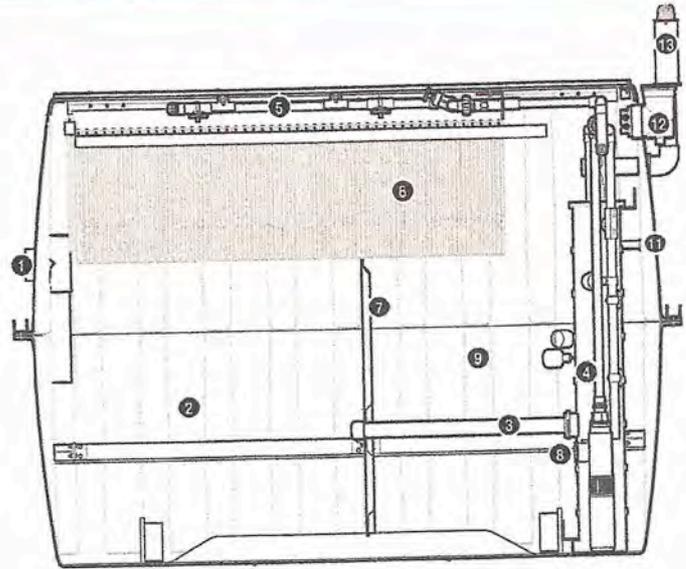
Product Code Diagram



AdvanTex Treatment System AX-RTN Models meet the requirements of NSF/ANSI Standard 40 for Class I Systems.

Components

1. Inlet
2. Recirc/blend chamber
3. Recirc transfer line
4. Recirc pumping system
5. Manifold and spin nozzles
6. Treatment media
7. Tank baffle
8. Recirc return valve
9. Recirc/filtrate chamber
10. Discharge pumping system (pump discharge only)
11. Outlet (pump discharge shown)
12. Splice box
13. Passive air vent
14. Control panel (not shown)



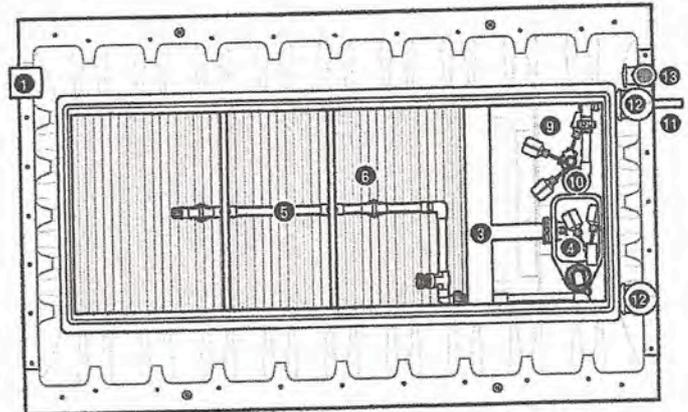
AdvanTex AX-RT side view (AX20-RT pump discharge model shown)

Specifications

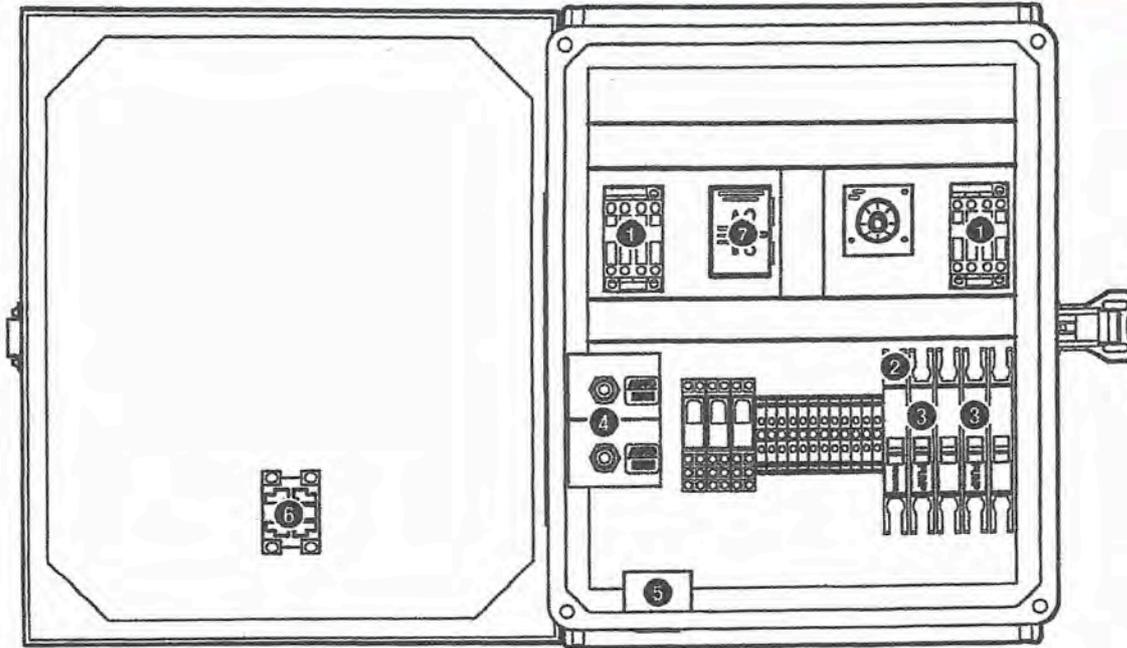
Nominal Dimensions†

Length, in (mm)	102 (2591)	
Width, in (mm)	62 (1575)	
Height, in (mm)	72 (1829)	
Overall unit footprint, ft ² (m ²)	44 (4.09)	
Visible footprint after installation, ft ² (m ²)	20 (1.86)	
Lid insulation value	R-6 (RSI-1.1)	
Dry Weight	AX20-RT	AX25-RT
Gravity discharge model, lb (kg)	883 (401)	908 (412)
Pump discharge model, lb (kg)	923 (419)	948 (430)

† Nominal values provided. See AdvanTex Treatment System drawings for exact dimensions.



AdvanTex AX-RT top view (AX20-RT pump discharge model shown)



Orenco® DAX2PTR0 240 V panel

Standard Components

Feature	Specification(s)
1. Motor-Start Contactor	120 V, 16 FLA, 1 hp (0.75 kW), 60 Hz; 2.5 million cycles at FLA (10 million at 50% of FLA). 240 V, 16 FLA, 3 hp (2.24 kW), 60 Hz; 2.5 million cycles at FLA (10 million at 50% of FLA).
2. Controls Circuit Breaker	10 A, OFF/ON switch. Single-pole 120 V. DIN rail mounting with thermal magnetic tripping characteristics.
3. Pump Circuit Breakers	20 A, OFF/ON switch. Single-pole 120 V or double-pole 240 V. DIN rail mounting with thermal magnetic tripping characteristics.
4. Toggle Switches	20 A, 1hp (0.75 kW). Single-pole, double-throw HOA switch,
5. Audible Alarm	95 dB at 24 in. (610 mm), warble-tone sound.
6. Visual Alarm	7/8-in. (22-mm) diameter red lens, "Push-to-silence." UL Type 4X rated, 1 W LED light, 120 V.
7. Duplex Alternator	120 V. Cross-wired style for independent lag pump function. Selector switch for locking one pump into lead position.
Audible Alarm Silence Relay (Not shown)	120 V. Automatic reset. DIN rail mount.

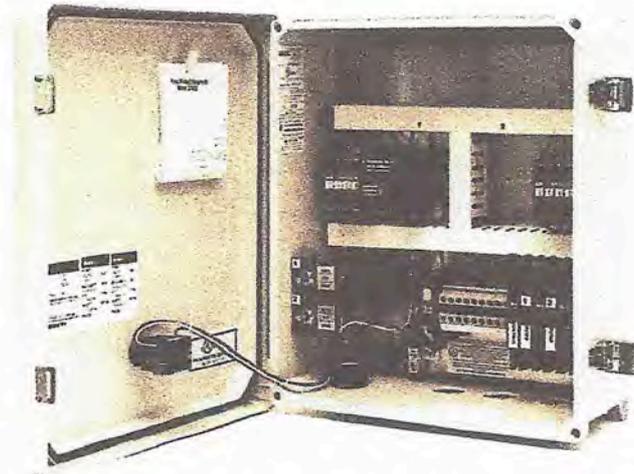
Optional Features

Feature	Specification(s)	Code Adder
Intrinsically Safe Control Relays	Listed per UL 698A, for Class 1 Div. 1, groups A, B, C, D hazardous locations (requires larger enclosure).	IR
Programmable Timer	120 V. Repeat cycle from 0.05 seconds to 30 hours. Separate variable controls for OFF & ON time periods.	PT
Redundant Off Relay	120 V. Provides a secondary off. Sounds alarm on low level condition. DIN rail mount.	RO
Elapsed Time Meter	120 V, 7-digit, non-resettable. Limit of 99,999 hours; accurate to 0.01 hours.	ETM
Event Counter	120 V, 6-digit, non-resettable.	CT
Heater	Anti-condensation heater. Self-adjusting; radiates additional wattage as temperature drops.	HT
Surge Arrestor	Status light on unit; protects incoming power supply from electrical surges.	SA
Pump Run Light	7/8-in. (22-mm) diameter green lens. UL Type 4X rated, 1 W LED light, 120 V.	PRL
Power Light	7/8-in. (22-mm) diameter green lens. UL Type 4X rated, 1 W LED light, 120 V.	PL

Duplex Control Panels

Applications

Orenco Duplex Control Panels are used to control dual pumps, alarms, and other equipment as specified in pressure sewers and onsite septic systems.



Orenco® DAX2 Control Panel



General

Orenco Duplex Control Panels are specifically engineered for pressure sewer (STEP) systems and onsite septic treatment systems that require the use of two alternating pumps. Standard features include circuit breakers, an automatic/manual/off motor control toggle for each pump, an audio/visual high level alarm, an alarm reset, and a duplex alternator. Other standard features and options are listed on page 2. Orenco panels are designed for use with mechanical and/or mercury float switches. Listed per UL 508 in the US and Canada.

Standard Models

DAX1, DAX2

Product Code Diagram

DAX

Standard options (list in order):

- PT = programmable timer
- RO = redundant off relay
- CS = current sensor
- ETM = elapsed time meter
- CT = event counter
- HT = heater
- SA = surge arrestor
- PRL = pump run light
- PL = power light

Intrinsically safe relays:

- Blank = standard, no IR relays
- IR = intrinsically safe relays

Pump voltage:

- 1 = 120 VAC
- 2 = 120 VAC or 240 VAC

DAX series duplex control panel

Materials of Construction

Enclosure	UV-resistant fiberglass, UL Type 4X
Hinges	Stainless steel

Specifications

Panel Ratings

DAX1:	120 V, 1 hp, 16 amps, single phase, 60 Hz.
DAX2:	240 V, 3 hp, 16 amps, single phase, 60 Hz.

Dimensions

Height, in. (mm)	15.5 (394)
Width, in. (mm)	13.5 (343)
Depth, in. (mm)	6.7 (170)

Hydrosplitters

Submittal Data Sheet

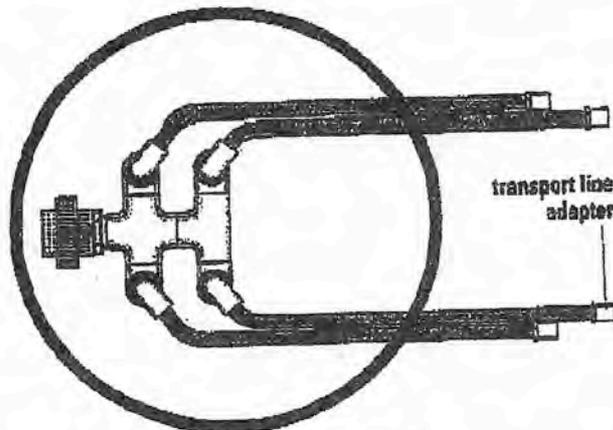


Oreco Systems
Incorporated

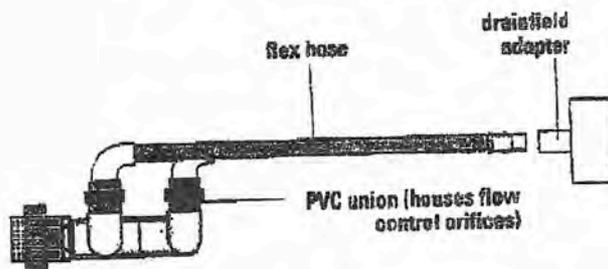
814 AIRWAY AVENUE
SUTHERLIN, OREGON
97479

TELEPHONE:
(541) 459-4448
(800) 348-8843

FACSIMILE:
(541) 459-2864



Top View (shown with PVC enclosure)



Side View

General

Oreco Hydrosplitters are fabricated with PVC components. Each hydro-splitter is designed to meet specific needs of a particular drainfield. Order PVC enclosure and fiberglass lid separately.

Applications

Oreco Hydrosplitters are used when dosing screened effluent by pump or siphon to achieve proper distribution of flow to each lateral, regardless of length, in gravity drainfields.

Standard Models

None. Hydrosplitters are built to specification.

HSAX - X
 └─ Indicates line diameter
 └─ Indicates number of lines

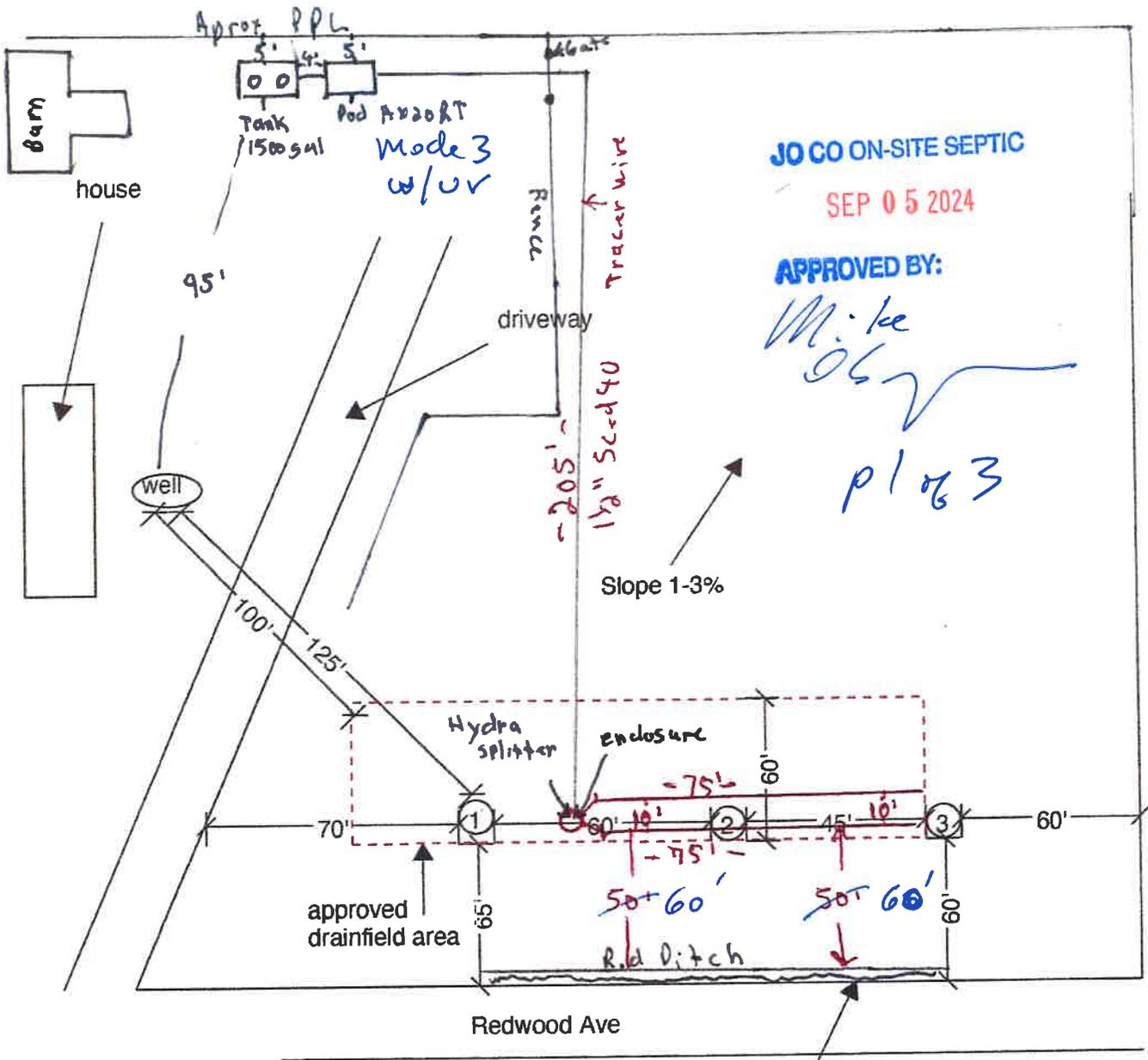
HS RR XX XX
 └─ Indicates riser height
 └─ Indicates riser diameter
 └─ Indicates access riser

Specifications

Component	Sizes Available (in.)	Specification(s)
PVC Fittings	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 3, 4	Sch. 40 PVC
Unions	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 3, 4	Sch. 80 PVC
Flexible Hose	1/2, 3/4, 1, 1 1/4, 2	PVC
Flow Controllers	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 3, 4	Sch 80 PVC - 1/8" thick
Enclosure	21, 24, 30 (dia.) 18" minimum height	See <i>Access Risers</i> submittal sheet for more information.
Fiberglass Lid	21, 24, 30 (dia.)	See <i>Fiberglass Access Lids</i> submittal sheet for more information.

ESU-DFA-HS-1
Rev. 3.0, © 2/03/99

4424 Redwood Ave
463-24-000152-PRMT



JO CO ON-SITE SEPTIC
SEP 05 2024

APPROVED BY:
Mike
plg 3

Slope 1-3%

Redwood Ave

road ditch

C. A. S. cat & Buckher Inc
9-3-24
Shan Harley



* NOT TO SCALE

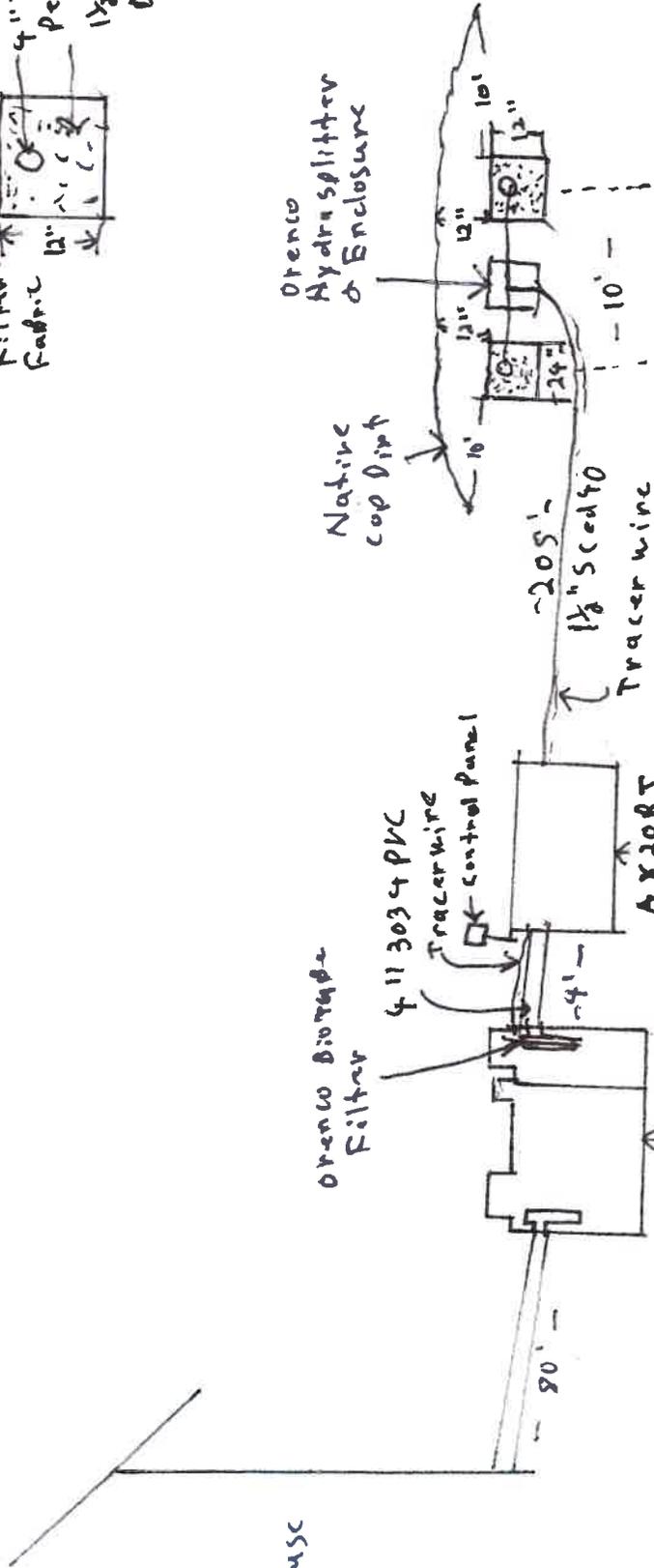
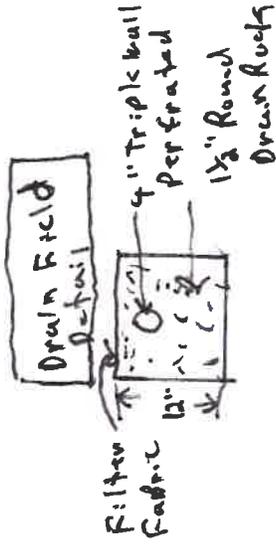
JO CO ON-SITE SEPTIC

4424 Redwood Ave
463-24-000152 - Prmt

SEP 05 2024

APPROVED BY:

Mike
OK P203



MODE 3 w/vv

Shawn Heasley
9-3-24
C.B.L. Cant & Buckhoe Inc

JO CO ON-SITE SEPTIC

SEP 05 2024

SERVICE CONTRACT CBC CAT & BACKHOE, INC.

APPROVED BY:

Mike Obry

P 3 of 3

In consideration of prepayment of the Service Contract cost indicated below, CBC Cat & Backhoe, Inc. agrees to the following:

During the service period specified, make 2 inspection calls on the system located at the following address:

Matthew Bumble
(Name)

4424 Redwood Ave
(Address)

Grants Pass OR 97527 Josephine
(City) (State) (Zip) (County)

Permit Number: 463-24-000152-Prmt

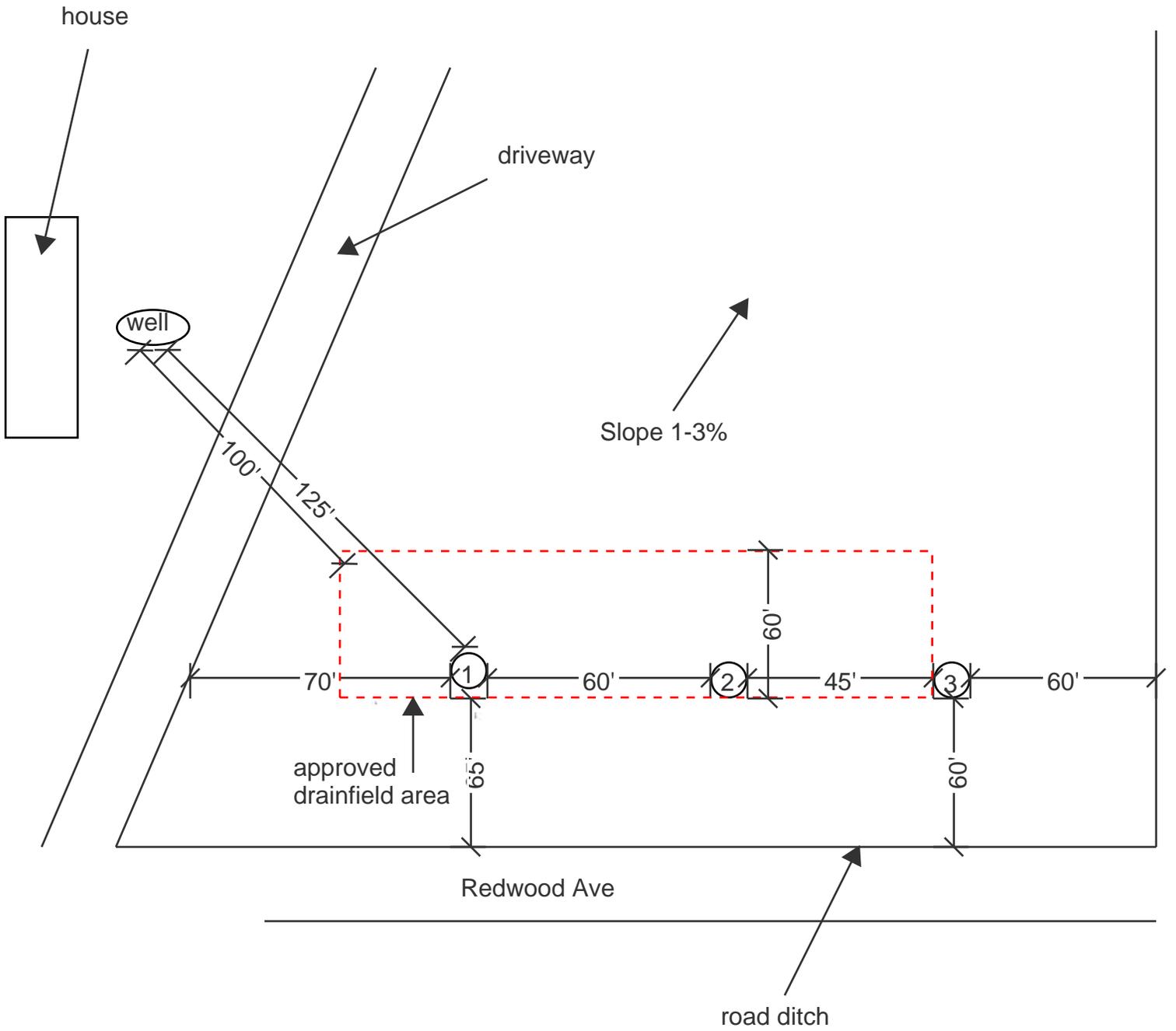
Legal Description: 365-06W-28-001200

Permit Requirements:

Inspection calls will include:

- An effluent quality inspection consisting of a visual check for color, scum overflow and examination for odors.
- Inspection, cleaning, and adjustment of any mechanical and electrical components that are out of order.
- Repair/replacement of any component under warranty that is non-functional.
- Any other performance assessment or operational diagnosis, which may include sampling of treated effluent (post-disinfection if disinfection is used) necessary to determine or ensure proper operation of the facility.

463-24-000152-PRMT



* NOT TO SCALE



APR 29 2024

PLANNING

SECTION 1 - TO BE COMPLETED BY APPLICANT (may be filled in electronically by tabbing to each field)

1. Applicant Name/Property Owner: Matthew Brumby
 Mailing Address: 4424 Redwood Ave
 City, State, Zip: Grants Pass OR 97526
 Telephone: 541-821-1902 matthewbrumby1902@gmail.com

2. Property Information:
 County: Josephine Tax Lot No.: 001200
 Township: 36 South Range: 06 West Section: 28
 Physical Address: 4424 Redwood Ave
 Block: _____ Lot: _____
 Subdivision Name (if applicable): _____

3. This proposed facility is for:
 An individual, single-family dwelling.
 Other. Describe the type of development, business, or facility and the provided services or products: _____

4. Permit or approval being requested:
 Construction-Installation permit for: New Construction Repair Alteration
 Non-water-carried facility requests (for example, pit privy/vault toilet for campgrounds).
 Authorization Notice for: Replacement of dwelling Bedroom addition
 Other changes in land use involving potential sewage flow increases

SECTION 2 - TO BE COMPLETED BY CITY OR COUNTY PLANNING OFFICIAL

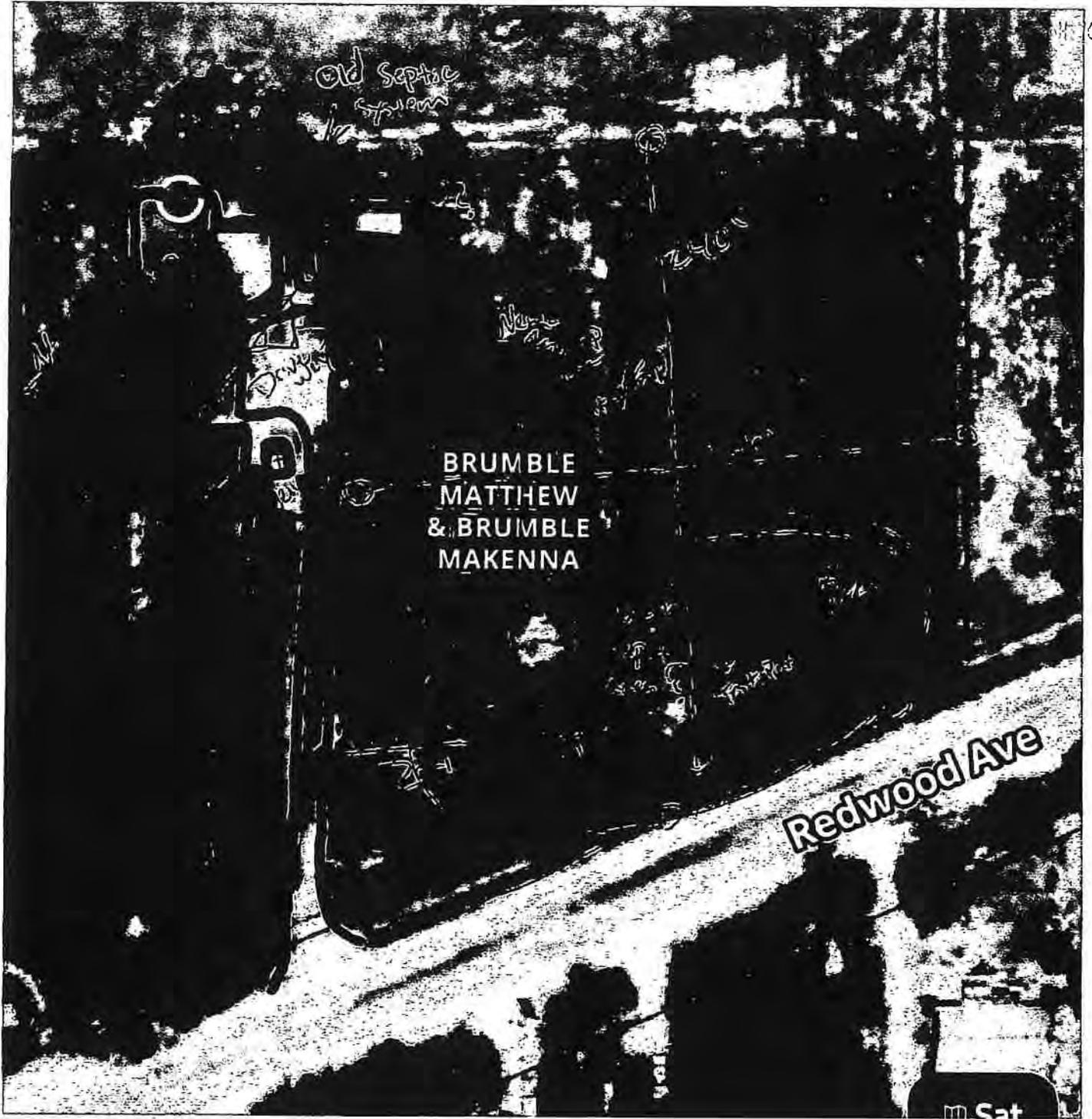
5. Property Zoning: Rural Residential 5 Zoning Minimum Parcel Size: 5.0 acres

6. The facility is located: inside city limits inside UGB outside UGB
 If inside UGB, the proposed facility is subject to:
 City jurisdiction County jurisdiction Shared City/County jurisdiction

7. Does the proposed facility comply with all applicable local land use requirements: Yes No
 If you answered "Yes" above, was this compliance based on:
 Outright compliance with local comprehensive plans and land use requirements (provide a citation to the applicable provisions)
 Conditional approval (provide findings and citation or attach a copy of the applicable land use decision)
 Measure 49 waiver (provide Department of Land Conservation and Development approval number)

Either provide reasons for affirmative compliance decision or attach findings of fact: Section 19.61.020, JCC Single Family or manufactured dwelling. Note! Septic System to be connected to authorized uses or structures only.

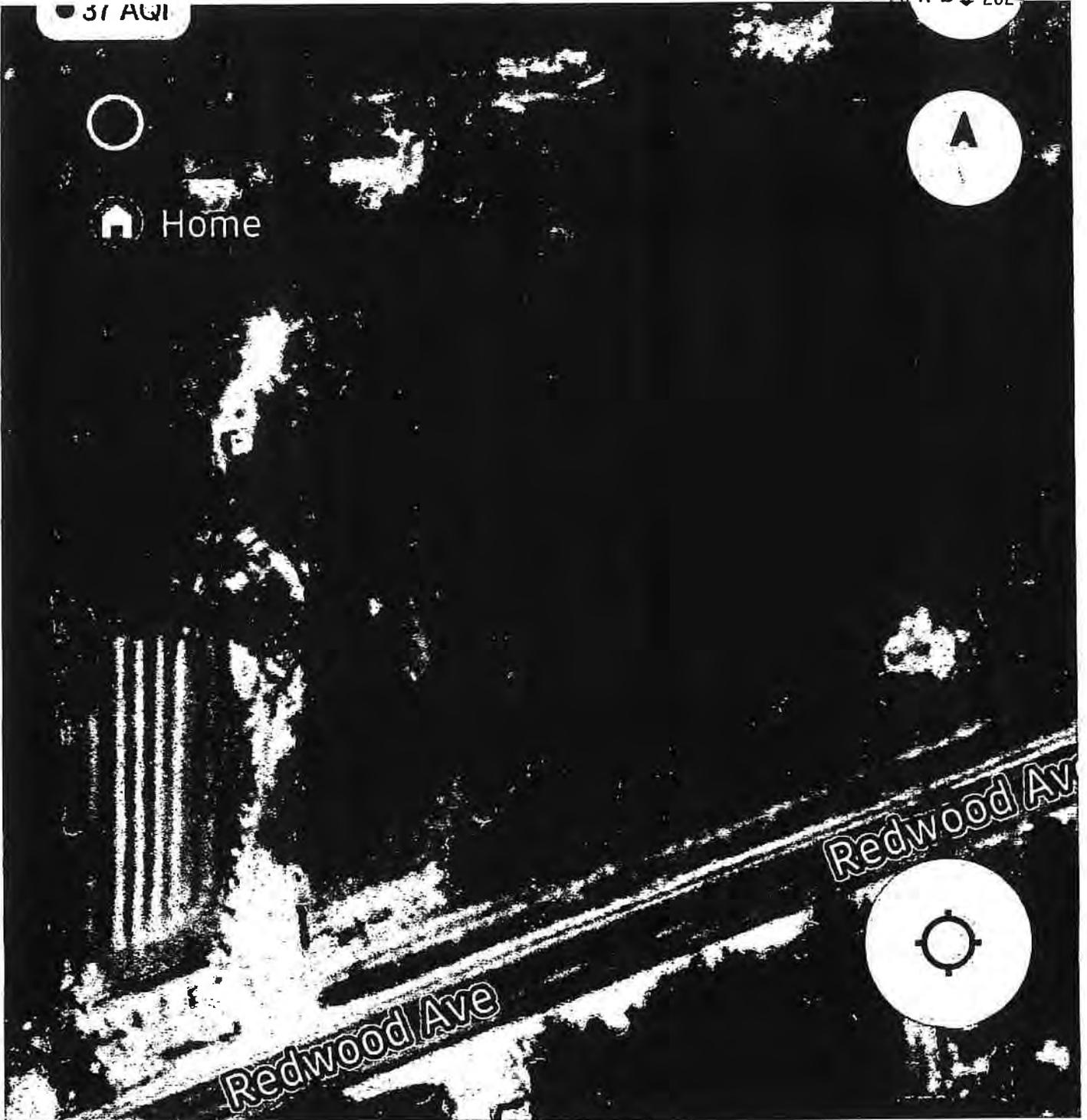
8. Planning Official Signature: Ornie Heater
 Print Name: Ornie Heater Title: Associate Planner
 Telephone: 541-474-6109 x0412 Date: 5.1.24



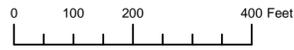
37 AQI



Home



THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY



SE1/4 SECTION 21 T.36S. R.06W. W.M. JOSEPHINE COUNTY 1" = 200'

36S 06W 21D

CANCELLED NO. 2003 2004 1190 900 2006 1590 2190 2200



SERVICE CONTRACT CBC CAT & BACKHOE, INC.

In consideration of prepayment of the Service Contract cost indicated below, CBC Cat & Backhoe, Inc. agrees to the following:

During the service period specified, make 2 inspection calls on the system located at the following address:

Matthew Brumble
(Name)
4424 Redwood Ave
(Address)
Grants Pass OR 97527 Josephine
(City) (State) (Zip) (County)

Permit Number: 463-24-000152-Prmt

Legal Description: 365-06W-28-001200

Permit Requirements:

Inspection calls will include:

- An effluent quality inspection consisting of a visual check for color, scum overflow and examination for odors.
- Inspection, cleaning, and adjustment of any mechanical and electrical components that are out of order.
- Repair/replacement of any component under warranty that is non-functional.
- Any other performance assessment or operational diagnosis, which may include sampling of treated effluent (post-disinfection if disinfection is used) necessary to determine or ensure proper operation of the facility.

• Other service items: _____

- If any improper operation is observed, which cannot be corrected during the inspection visit, the user shall be notified in writing of the conditions and the estimated date of correction.

Schedule of Routine Service and Maintenance Events:

- Routine Inspections Every 6 months for the first 2 yrs. Once a year for subsequent years for the life of the system.
- Pumping of Septic Tank Every 3 - 5 years as needed.

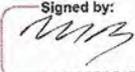
(Note: Replacement of components and pumping frequencies are estimates. The frequencies of these events will vary and are dependent upon usage, homeowner care and routine maintenance. The replacement of components and pumping costs are not covered under this contract.)

The cost of the Service Contract will be \$ _____ and is to be effective from 9-5-24 to 9-5-26.

(Note: The cost of the initial 1 year warranty is included with the cost of the system.)

Maintenance Provider: CBC Cat & Backhoe, Inc.

Agent Phone Number: 541.821.4850

Signed by: 
Signature: _____
AB412C2C51FD415

Date: 9/5/2024



Septic Permit

Repair (Major) - Residential - New

463-24-000152-PRMT

Josephine Onsite Septic Program
700 NW Dimmick Street
Suite A
Grants Pass, OR 97526
541-474-5444
Fax: 541-474-5422
onsitesepctic@josephinecounty.gov
Website: josephine.or.us

Date issued: 9/5/24	Expiration date: 9/5/25
Work description: MAJOR REPAIR - ATT WITH CAPPING FILL	

Applicant: BRUMBLE, MATTHEW & BRUMBLE, MAKENNA Address: 4424 REDWOOD AVE GRANTS PASS OR 97527 Phone: 5418211902 Email: MATTHEWBRUMBLE1902@GMAIL.COM Business License: N/A	Primary contractor: C.B.C. Cat & Backhoe, Inc. Installer License: 36803 Address: 725 W Evans Creek Rd Rogue River OR 97537 Phone: 5418214850 Email: schcbc@msn.com
---	--

Owner: BRUMBLE, MATTHEW & BRUMBLE, MAKENNA Address: 4424 REDWOOD AVE GRANTS PASS OR 97527 Parcel: 360621D000120000 - Primary	Property address: 4424 Redwood Ave, Grants Pass, OR 97527 Township: 36 Range: 06 Section: 21
--	---

Lot size: 1.98	Water supply: Well	
Zoning: N/A	City/County/UGB: N/A	
Land use approval: N/A	County: N/A	
Accessory Dwelling Unit: No		
Action: New	Type of application: Repair (Major) - Residential	
System failing: N/A	Septic tank last pumped: N/A	
Comments: (1) See conditions of approval (2) The proposed and approved ATT unit for this permit is the Orenco AX20RT Mode 3 with UV (3) See approved plans uploaded to ACCELA (4) Anti-buoyancy is recommended for septic tank and ATT unit (5) Cap material needs to be approved prior to placement		

Category of construction: Residential

	Existing	Proposed
Use of structure:	SFR	SFR
Number of bedrooms:	2	2

System Specifications

Type: Alternative Treatment Technology (ATTs)	ATT description: Advantex AX20RT Mode 3 with UV
Max peak design flow: 450 gpd.	Proposed flow: N/A
Min septic tank volume: 1500 gal.	Min dosing tank volume: N/A
Special tank rqmts: 1500 gallon two compartment Riverside concrete tank is proposed and approved	

Drain Field Specifications

Drain field type: Capping Fill	System distribution Ttpe: Equal	
Drainfield sizing: N/A	Distribution method: Equal-Hydrosplitter	
Media type: Rock/Pipe	Media depth: 12 in.	
Trench length: 105 linear ft.	Rock above pipe: 2 in.	
Total rock depth: 12 in.	Rock below pipe: 6 in.	
Max depth: 12 in.	Undisturbed soil between trenches: 8 ft.	

CALL BEFORE YOU DIG...IT'S THE LAW

ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth by Oregon Administration Rules. You may obtain copies of the rules by calling the center. (Note: The telephone number for the Oregon Utility Notification Center is 1-800-332-2344.)

Date issued: 9/5/24

Expiration date: 9/5/25

Work description: MAJOR REPAIR - ATT WITH CAPPING FILL

Min depth: 12 in.

Capping fills-min depth of fill material: 10 in.

Special Requirements

Stake out required: No

Groundwater type: Permanent

Groundwater depth: N/A

Pump to drainfield reqd: Yes

Filter fabric on top of drain media: Yes

Other special rqmt: (1) 150 linear ft of drainfield has been proposed. (2) Scarify soil prior to installing drainfield

Date issued: 9/5/24**Expiration date:** 9/5/25**Work description:** MAJOR REPAIR - ATT WITH CAPPING FILL**Conditions of approval:**

- 1.This permit is for the installation of an Alternative Treatment Technology (ATT) system and is to be installed by a person certified by the system manufacturer in accordance with OAR 340-071-0600 and 0650. See Alternative Treatment Technology rules at OAR 340-071-0345.
- 2.ATT treatment standard 2 required.
- 3.The owner of an ATT system must maintain a contract with a maintenance provider certified by the manufacturer to inspect, adjust and maintain the onsite system. The maintenance provider must submit an annual report and annual evaluation fee.
- 4.Capping fill rules at OAR 340-071-0265. Construction must occur in dry soil conditions between June 1 and October 1 unless otherwise approved by the agent. The cap material must be pre-approved by the agent prior to placement. Minimum 10-ft between edge of fill and trench. Drainfield area must be scarified. Contact between native soil and fill must be mixed. Final cap to be seeded and or landscaped to prevent erosion. Protect from livestock and vehicular traffic.
- 5.Equal distribution. The cap material must be evenly graded to a final depth of 10-inches over the drain media.
- 6.The hydrosplitter must be located at least 6 inches higher than the piping in the highest disposal trench to ensure that effluent in the top line does not spill back into the hydrosplitter.
- 7.The discharge assembly from the hydrosplitter must be connected to larger diameter piping to provide for "open channel" flow. The system using a hydrosplitter is to be pressurized only to the hydrosplitter, and is to utilize gravity flow from the hydrosplitter to the disposal trenches.
- 8.The hydrosplitter must be enclosed in a secure enclosure with a solid, watertight bottom to eliminate the effect of rodents filling the enclosure with soil.
- 9.The pump and alarm must be wired on separate circuits in the control panel. Pump wiring must comply with applicable building, electrical, or other codes. An electrical permit and inspection from the Department of Consumer and Business Services, Building Codes Division, or the municipality with jurisdiction, is required for pump wiring installation.
- 10.The system must be installed in the area approved during the site evaluation and in accordance with the construction plan approved by the agent, including any changes made by the agent.
- 11.All work is to conform to OAR 340, Division 71 and 73. Make no changes in system location or specifications without approval by the agent.
- 12.The pump and alarm must be wired on separate circuits in the control panel. Pump wiring must comply with applicable building, electrical, or other codes. An electrical permit and inspection from the Department of Consumer and Business Services, Building Codes Division, or the municipality with jurisdiction, is required for pump wiring installation.
- 13.A minimum 18-gauge, green-jacketed tracer wire or green color-coded metallic tape must be placed on top of the effluent sewer or pressure transport pipe from tank to drainfield.
- 14.Effluent filter required at tank outlet. Orenco Biotube FT Series has been proposed and is approved.
- 15.Meet all required setbacks
- 16.All tanks must be tested for watertightness and have a water-tight riser to the ground surface. Twenty- inch minimum diameter if less than 36-in deep. Thirty-inch minimum diameter if greater than 36-in deep. Maintain access to septic tank for pumping and service.
- 17.Vehicular traffic and livestock must be restricted from the system area.
- 18.The system must be installed by the property owner or a licensed sewage disposal business (installer).
- 19.Dry soil installation only (June 1 – October 1 unless otherwise authorized by the agent).
- 20.Each drainfield trench must be level within a tolerance of plus or minus 1-inch.
- 21.A pre-cover inspection of the installed absorption facility (prior to backfill) is required.
- 22.A final inspection request and notice (FIRN) form including a detailed and accurate as-built plan of the constructed system and a list of all materials used in the construction of the system must be completed and submitted prior to requesting a final inspection.
- 23.Photos of the septic system components must be submitted along with the FIRN.

Date issued: 9/5/24**Expiration date:** 9/5/25**Work description:** MAJOR REPAIR - ATT WITH CAPPING FILL

This Construction-Installation Permit authorizes the property owner to construct an onsite wastewater system specified above.

Rules, Approved Material Listing; and Database of Licensed Installers can be accessed at:
<http://www.deq.state.or.us/wq/onsite/onsite.htm>

General Conditions And Requirements For All Permits: Onsite Construction-Installation Permits are valid for one year from the date of issuance. The expiration date is noted on this permit. Renewal of a permit may be granted if an application for permit renewal is received before the permit expiration date. Reinstatement of a permit may be granted if an application for permit reinstatement is received within one year after the permit expiration date. Transfer of a permit from the permittee to another person may be granted if an application for permit transfer is received before the permit expiration date and no other changes to the permit are necessary.

Installation Requirements: The drainfield must be installed in undisturbed native soil. No alterations of the natural site conditions such as soil removal or filling, or slope/topography alterations within the approval areas for both the initial and replacement systems are allowed, unless otherwise authorized by the Agent. Do not install system when soil moisture, high groundwater, adverse weather, or other conditions that could affect the quality of installation or reliability of the system are present. If such conditions are present and there is a need for sewage disposal at the site, the septic tank can be utilized as a temporary holding tank as outlined in 340-071-0160(9).

Inspection Requirements: The system installer and/or the permit holder must notify the permitting Agent when the construction, alteration, or repair of a system for which a permit was issued is completed (except for the backfilling or covering of the installation). The permitting agent has 7 days to perform an inspection of the completed construction after the official notice date, unless the permitting agent elects to waive the inspection and authorizes the system to be backfilled earlier. Receipt and acceptance of a completed Final Inspection Request and Notice form by the permitting agent establishes the official notice date of your request for the final inspection. Faxed copies are acceptable for inspection request purposes only. Originals must be received before a Certificate of Satisfactory Completion can be issued.

System Backfill Requirements: The system is to be backfilled or covered as follows: * Only after the permitting agent has approved the construction installation, * or the inspection has been waived * or the Certificate of Satisfactory Completion (CSC) has been issued by operation of law (where the inspection has not been conducted within 7 days of notification of completed installation).

Unless otherwise required, it is the system installer's responsibility to backfill the system within 10 days after inspection and issuance of the CSC. Backfill must be carefully placed to prevent damage to the system. The backfill must be free of large stones, frozen clumps of earth, masonry, stumps, waste construction materials, or other materials that could damage the system. Be sure that the untreated building paper, filter fabric, or other material approved by the agent is completely covering all drain media where required prior to backfill. The system can be connected to and placed into service once it has been properly backfilled and the CSC has been issued.

Initial and Replacement Areas — Protection: The installed subsurface absorption field and designated replacement areas must be protected and kept free of development such as roadways, covering with asphalt or concrete, filling, cutting, or other soil modifications.

Michael Obereigner

Natural Resource Specialist

9/5/24



**Onsite Permit
Application Verification
463-24-000152-PRMT**

Josephine Onsite Septic Program
700 NW Dimmick Street
Suite A
Grants Pass, OR 97526
541-474-5444
Fax: 541-474-5422
onsitesepctic@josephinecounty.gov
Website: josephine.or.us

Application created: 5/9/24

Parcel Nbr: 360621D000120000

Site Address: 4424 REDWOOD AVE, GRANTS PASS, OR 97527

Owner: BRUMBLE, MATTHEW &
BRUMBLE, MAKENNA
4424 REDWOOD AVE
GRANTS PASS, OR 97527

Applicant: BRUMBLE, MATTHEW & BRUMBLE, MAKENNA - BRUMBLE, MATTHEW & BRUMBLE, MAKENNA
4424 REDWOOD AVE
GRANTS PASS, OR 97527

Phone: (541) 821-1902

Email: MATTHEWBRUMBLE1902@GMAIL.COM

Licensed Professional(s):

No Licensed Professionals Designated

Category of Construction: Residential

Acreage or Lot Size: 1.98

County:

Water Supply: Well

Use of Structure: Existing
SFR
Number of Bedrooms: 2

Use of Structure: Proposed
SFR
Number of Bedrooms: 2

Attached Documents:

No Documents have been attached.