ONSITE SANITATION City of Portland – Bureau of Development Services

1900 SW 4th Avenue, Portland, Oregon 97201 – 503-823-7300 – septic@portlandoregon.gov

SEPTIC REVIEW CERTIFICATION

A signed Septic Review Certification from the City of Portland / Multnomah County Septic Sanitarian is required for proposed development, any change in use, and the creation of a new parcel or property line adjustment.

Permit No. 25-001353-SE

STEP 1- Complete the following:

Address of Proposed Work: 36930 E HIST COLUMBIA RIVER HWY, CORBETT, OR 97019

Property Map & Tax Lot #: 1N4E35BA -02201 Alternate Acct #: R R665600200

Description of proposed work for this Septic Planning Review

Proposal to place new building to house fire department vehicles, weight room, supply & hvac rooms, laundry room, & restroom. Decomm existing septic tank under proposed building, re-route existing sanitary lines.

Change in number of bedrooms? ☐ Yes ☑ No # existing bedrooms _____ # bedrooms at completion _____

Applicant's Name Evergreen Remodeling, Inc / Gary Purvine

Applicant E-mail garypurvine@aol.com Phone 503-307-2427

Date 4/21/2025

STEP 2- Submit: This form with all required submittals listed on page 2. Separate properties require individual applications. Refer to the current Septic Evaluation Application for fees.

Submit complete Septic Review Certification submittal package via:

- E-mail septic@portlandoregon.gov. Information will be provided to make payment online. - OR -
- Mail completed submittal package and check **payable to City of Portland** to:

  City of Portland, BDS, Site Development, 1900 SW 4th Ave., Portland, OR 97201

STEP 3- Review: After submittal and payment, allow up to 20 business days for plan review

STEP 4- Site Visit: Sanitarian will contact you with any questions and/or site visit requirements

STEP 5- Sign Off: Based on present knowledge of the area and current regulations of the State of Oregon Department of Environmental Quality (DEQ), the Sanitarian hereby finds that the above proposal is:

☒ Approved – will not impact the existing system. The following is **REQUIRED** prior to Building Permit issuance:

☐ Septic Installation Permit ☐ Authorization Notice ☒ Finaled Septic Decomm Permit

Conditions/Comments: Proposed building to house fire engines with weight room, laundry room, & bathroom poses no concern to septic with approved septic decommissioning inspection & effluent filter installation. Septic system per 1986 Permit No. 10441 appears to have been designed for 450 gpd; submitted narrative describes proposed use as 337 gpd. Existing laundry will be relocated & reduced number of volunteers from previous years does not render an increase in flow from the weight room. Site visit conducted 4/11/25. Stormwater plan likely will be tanks pumping to ROW per applicant; back-up plan is stormwater swale alongside existing berm, estimate any swale would be 50ft from replacement DF area. If swale would get bigger, repair area must be treatment.

Lindsey Reschke Digitally signed by Lindsey Reschke Date: 2025.04.21 13:17:30 -07'00'

Multnomah County Sanitarian

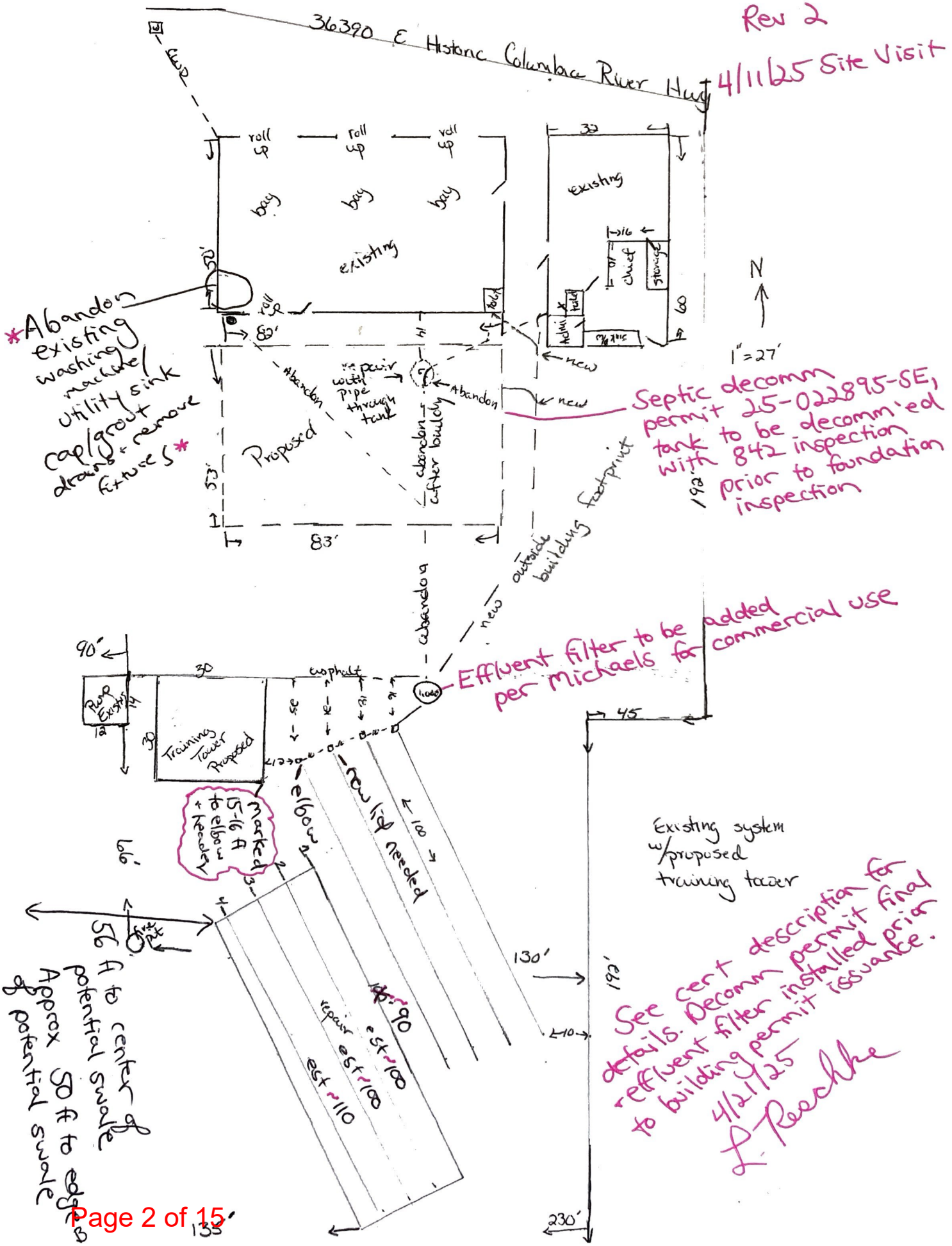
4/21/25

Date

STEP 6- Return: to Multnomah County Land Use Planning with this signed form and site plan (floor plans if applicable)

See page 2 for requirements

25-001353-SE
Rev 2
4/11/25 Site Visit

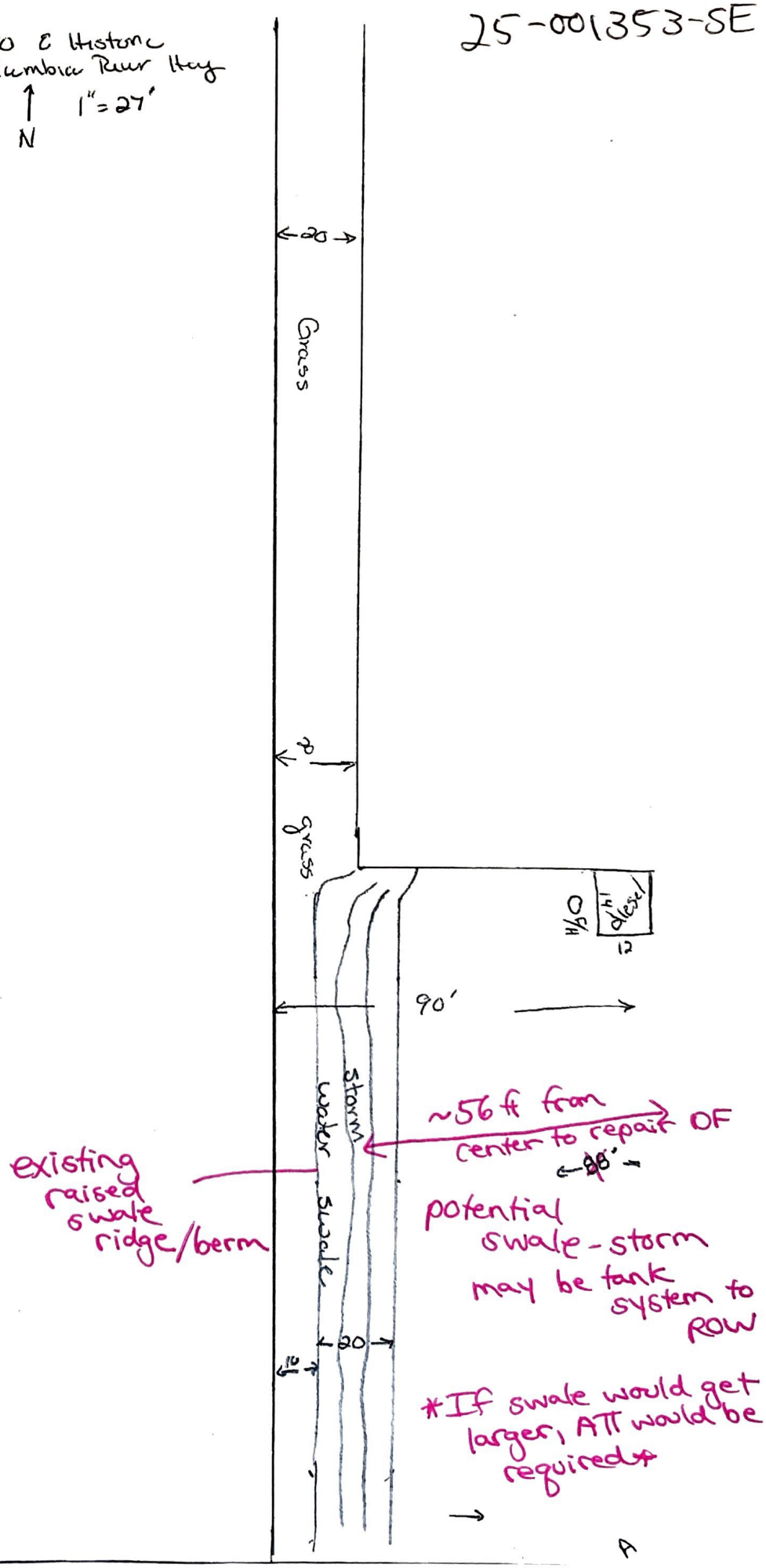


25-001353-SE

36390 E Historic Columbia River Hwy

N

1" = 27'



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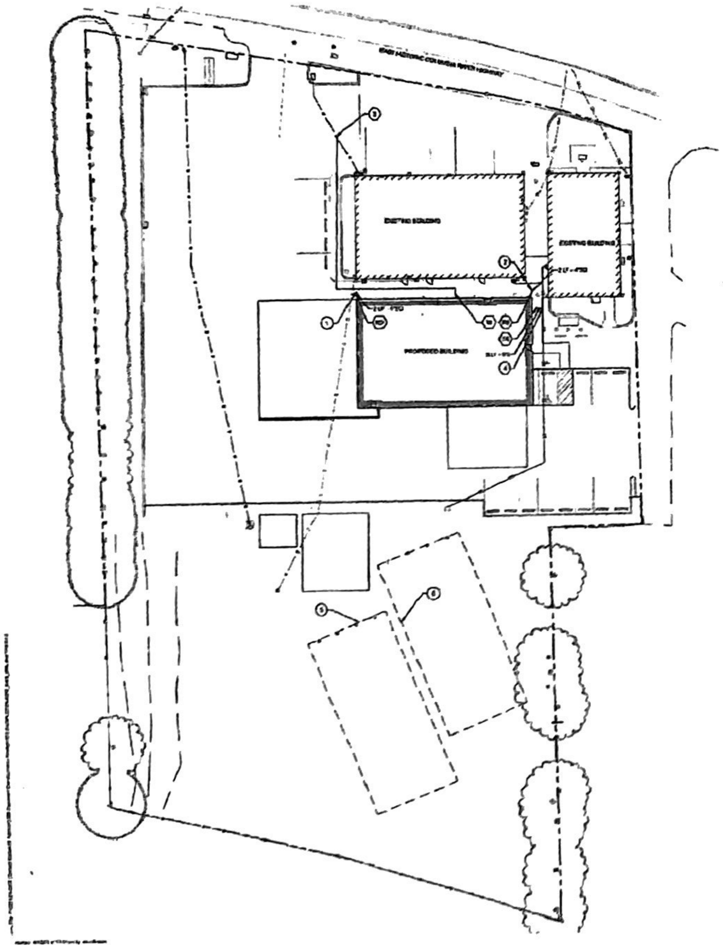


Proposed layout

SHEET NOTES

KEY NOTES

UTILITY LABEL LEGEND

STRUCTURE LABEL

PIPE LABEL

STRUCTURE TYPE

SHEET LEGEND

SCALE

FROELICH ENGINEERS

PRELIMINARY
NOT FOR
CONSTRUCTION

1961 SE BANDY BLVD,
PORTLAND, OR 97214

CORBETT FIRESTATION 62
ADDITION

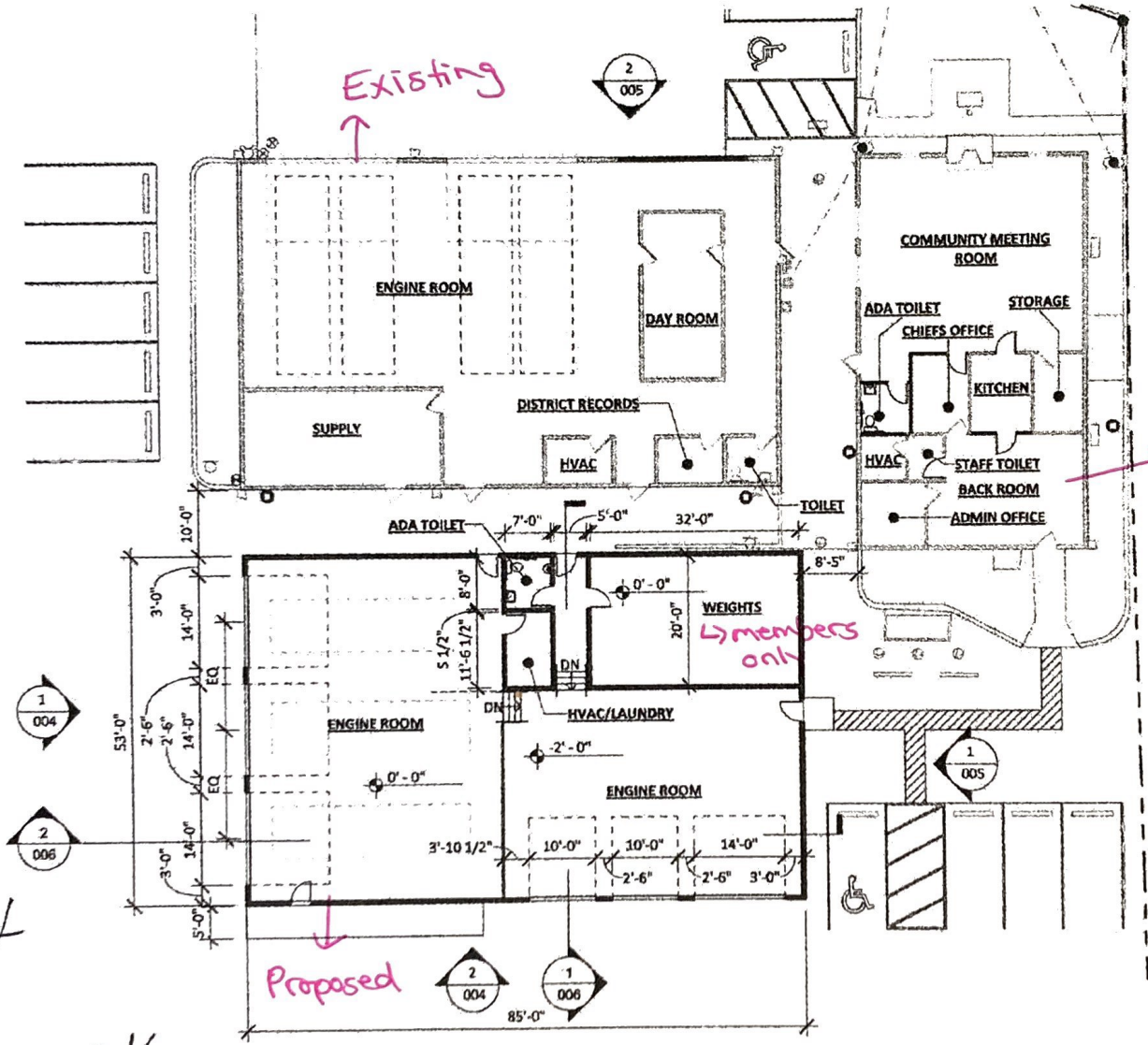
LAND USE SET

SHEET TITLE:
UTILITY PLAN

SHEET NUMBER:
C4.0

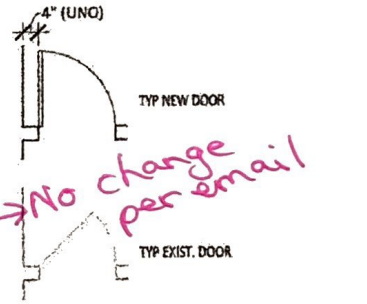
LAND USE SET

25-001353-SE



DRAWING LEGEND

- TYP NEW WALL
- TYP EXIST. WALL
- TYP PARTIAL WALL
- PROPERTY LINE



Corbett Fire 36930 EHCR H

1 GROUND LEVEL FLOOR PLAN
1/16" = 1'-0"

N

arm esign
architecture and planning

MAIN FIRE STATION
36930 EAST HISTORIC COLUMBIA RIVER HWY

CONCEPT DOCUMENTS
05.22.2024

FLOOR PLANS

002

Gallons per Day Summary

25-001353-SE

Mon: Training - max 180 gpd
Employees + visitors - max 42 gpd
Washing machine - max 100 gpd
Weight room - max 15 gpd

Total: 337 gpd

Peak Estimated Flow

Tues: Employees + visitors - max 42 gpd
Washing machine - max 100 gpd
Weight room - max 15 gpd
Corbett Water Meeting - max 55 gpd

Total: 212 gpd

Wed: Employees + visitors - max 42 gpd
Washing machine - max 100 gpd
Weight room - max 15 gpd
Corbett Fire or Safety meeting - max 75 gpd

Total: 232 gpd

Thurs: 157 gpd + 25 gpd NEMCCA } = 182 gpd max employees/visitors/washing machine/weight room for 157 gpd

Fri: 157 gpd max

Sat: (assume up to 6 visitors) 145 gpd max

Sun: (assume up to 6 visitors) 145 gpd max

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Narrative for Septic Review Certification:

Corbett Fire Station #62 is a non-staffed station located along Highway 100 in Corbett, OR. Of the 30 volunteers currently active, 17 respond from this location with the remaining responding from locations central to their area.

Firefighters respond to calls in units of two to four, based on the type of call, with two to three calls a year requiring additional units.

Volunteer firefighters attend training on Monday nights throughout the year (excluding holidays, extreme weather or Association meetings) and are required to attend 80% of the trainings offered, or a minimum of 36 training nights. A typical training night has 20 attendees and not all trainings are held on site. The trainings are from 7p.m. to 9p.m. and may end earlier depending on the training.

Max 36 per previous communication 36 x 5 = 180 gpd

There is one part time office administrator working for the District, maximum hours per week are 30. There is also a Fire Chief that works a regular job and does the majority of work remotely, but may come in for an hour or two. This is the model that has been practiced by Corbett Fire regarding the Chief's duties as the District can not afford to pay a full time position. Occasionally there will be visitors to see the Admin Staff, typically to file a report or review documents. Visits are less than four hours and are fewer than five people.

0.75 FTE = 12 gpd
Chief = 5 gpd
5 max visitors = 25 gpd
Total = 42 gpd

There is a small kitchenette set up at the station for use as a break room for the staff. The Community does not have access to the room.

0 gpd, w/ staff previous conversation

A wash machine has been provided for turn outs that may become soiled during a call. The average usage is one load a month, the wash machine that will be purchased for use has an Energy Star rating and uses 13 gallons per load.

2-4 loads per day max
4 x 25 gpd = 100 gpd

There will be a formalized weight room in the new building which is expected to have three visitors per day for less than four hours per person. Estimated time for a work out is one to one and a half hours based on current weight usage.

3 max visitors = 15 gpd

- previous communication weight room is for members only

In addition to the trainings the Fire Station is used regularly for the following meetings:

Corbett Water meets the second Tuesday of the month from 6:30 to 8:00. They have five board members, three staff, and occasionally up to three attendees.

11 x 5 gpd = 55 gpd

Corbett Fire meets the second Wednesday from 6:30 to 8:00. Five board members, two staff, two to five attendees.

12 x 5 gpd = 60 gpd

Safety Meeting once a month, first Wednesday from 9:30 to 11:00. Attendees vary depending on month from six to twelve. May have one to three audience.

15 x 5 gpd = 75 gpd

NEMCCA meets third Thursday from 6:30 to 8:00. Five board members. Typically zero audience.

5 x 5 gpd = 25 gpd

Additional items:

A detailed site plan is needed for the Septic Review Certification application. The site plan must include:
All septic tanks
All drain field drop boxes
All drain field lines
Replacement drain field area. Please note the replacement drain field has a 10ft setback to the septic tank half that was placed in the ground.
Proposed storm water disposal facility. Please note: the storm water disposal facility has a 25-50ft setback to the primary and replacement drain field areas. A 50ft setback is ideal and covers any type of storm water disposal facility. An in-ground soakage trench may have a 25ft setback.

Detailed plans are being submitted with the application.

Existing floor plans are needed for the application.

Included in application submitted for septic review

A septic decommissioning permit will be required for the existing septic tank that will be under the proposed building. This requires a septic decommissioning permit with separate application (attached). A fee of a septic decomm with a septic application will be used which is $440 (this fee is irregular and is listed on our fee schedule (https://www.portland.gov/ppd/documents/site-sewage-disposal-fee-schedule-all-multnomah-county-effective-sept-5-2024/download) but not the septic evaluation application). The septic decommissioning permit must be issued prior to building permit issuance and an inspection requested prior to approval of footings and foundations. A plumbing permit from the City of Gresham will also be required to repair and/or relocate the sanitary line.

Septic decommissioning application is included in the submittal. The owners are aware they will need to have a plumber pull a permit and complete the sanitation line repair after the tank is decommissioned.

The current proposal does not require more than a single 1000gal septic tank and the decommissioned septic tank does not need to be replaced outside of the proposed building footprint to meet code requirements.

Given this is a commercial facility, an effluent filter is required in the septic tank outlet per OAR 340-071-0220(3)(b)(H).

A filter will be added to the tank to meet this requirement.

A Commercial Septic Review Certification (fee $894) will be required to review the proposal at the fire station and sign the associated paperwork.

The Commercial Septic Review Certification Application is included in the submittal.

25-001353-SE

Reschke, Lindsey

From: Emily Woodrow Thorpe <emily@michaelsprecast.com>
Sent: Tuesday, April 15, 2025 12:56 PM
To: Jan White; Reschke, Lindsey
Subject: RE: effluent filter in pre-2002 Michaels

Follow Up Flag: Follow up
Flag Status: Flagged

Lindsay,

1. Yes, a 6" schedule 3034 pipe inserted into the outlet baffle is sufficient to insert and maintain a Sim-Tech effluent filter.
2. 7" Sim-Tech effluent filter (part# STF-110-7 -R) is approved for the outlet baffle in the Michaels tank.

Let me know if you have any other questions.

Thank you,

Emily Woodrow Thorpe
Assistant Office Manager
Michaels Precast Concrete
503-668-4073

From: Jan White <jan@michaelsprecast.com>
Sent: Tuesday, April 15, 2025 12:06 PM
To: Emily Woodrow Thorpe <emily@michaelsprecast.com>
Subject: FW: effluent filter in pre-2002 Michaels

From: Reschke, Lindsey <Lindsey.Reschke@portlandoregon.gov>
Sent: Tuesday, April 15, 2025 11:29 AM
To: Jan White <jan@michaelsprecast.com>
Subject: effluent filter in pre-2002 Michaels

Hello,

We have an existing 1000gal Michaels septic tank that was installed in 1986. The tank is used on a commercial property and it needs to be fitted with an effluent filter to meet code requirements. A few questions:

25-001353-SE

Oregon
John A. Kitzhaber, M.D., Governor

Department of Environmental Quality
811 SW Sixth Avenue
Portland, OR 97204-1390
(503) 229-5696
TTY (503) 229-6993

April 1, 2002

Mr. Gary Koteskey
Sim/Tech Filter, Inc.
06598 Horton Bay North Bend
Boyne City, MI 49712

Re: STF-110 Bristle Filter

Dear Mr. Koteskey:

The Department has completed its review of the STF-110 Bristle Filter effluent filter. I am pleased to advise this effluent filter has been found to comply with the design and material standards established in Oregon Administrative Rule 340-73-056. Until you are notified otherwise, the STF-110 Bristle Filter is approved for use in systems regulated under a construction-installation permit, with the following conditions:

1. Use of the filter is limited to systems receiving residential strength wastewater, with a design flow limit of 2,500 gallons per day.

2. As the filter manufacturer, it is Sim/Tech Filter's responsibility to provide an operation and maintenance manual or instruction with each filter that is marketed for sale in this state. Any limitations or replacement frequency pertaining to the use of the filter should be stated within the manual. Please provide this office with a copy of the manual.

The STF-110 Bristle Filter effluent filter may be considered and accepted for use in decentralized wastewater treatment systems regulated through the issuance of Water Pollution Control Facilities permits. The proposal to use an effluent filter designed for a specific project would be incorporated within the engineered plans and specifications for that project. Approvals would be project-specific.

If I may be of additional assistance with respect to this issue, or if there are questions, please feel free to contact me. My phone number is (503) 229-5858.

Sincerely,

Bijan N. Pour, Environmental Specialist
Water Quality Division

bnp/jl

cc: All DEQ Field Service Offices
All Agreement Offices

COPY

DEQ-1

FAXED By: KK Date: 4/1/05

Reschke, Lindsey

From:	Reschke, Lindsey
Sent:	Monday, October 28, 2024 2:14 PM
To:	Victoria Purvine; Flood, Dave
Cc:	Ault, Donna
Subject:	36930 E Historic - Consultation Summary

Hi Dave and Victoria,

It was nice seeing you both at the fire station on Friday. Below is a summary of our conversation regarding the proposal.

1. A detailed site plan is needed for the Septic Review Certification application. The site plan must include:
    a. All septic tanks
    b. All drainfield drop boxes
    c. All drainfield lines
    d. Replacement drainfield area. Please note the replacement drainfield has a 10ft setback to the septic tank half that was placed in the ground.
    e. Proposed stormwater disposal facility. Please note: the stormwater disposal facility has a 25-50ft setback to the primary and replacement drainfield areas. A 50ft setback is ideal and covers any type of stormwater disposal facility. An in-ground soakage trench may have a 25ft setback.
2. Existing floor plans are needed for the application.
3. A narrative of use is needed for the application. Below is a summary of the numbers we discussed on-site:
    a. 44 trainings per year with a maximum of 36 attendees. One item I missed in my notes – what is the duration of these trainings? If the duration is 4 hours or less, 5 gallons per attendee is appropriate. If the training is 8 hours, 15 gallons per attendee is appropriate. Drills 2 hrs 36 x 5 = 180 gpd
    b. 0.5 FTE employee working max of 4 hour days – 7.5 gallons per day 7.5 gpd
    c. 5 visitors per day, visit less than four hours – 5 gallons per visitor, 25 gallons per day 25 gpd
    d. 2-4 laundry loads per day. Please submit a spec for the proposed washing machine to review gallons per load to determine this gallons per day. gal/load not available – estimate 40 gal/load LG WM5500HWA 4.5 cu. ft. 4x40 = 160 gpd
    e. Weight room – 3 visitors per day, visit less than four hours – 5 gallons per visitor, 15 gallons per day 15 gpd
    f. Using an estimate of 40 gallons per load of laundry, an estimated 388 gallons per day projected daily sewage flow (max sewage flow) was calculated. The system was apparently designed for 450 gallons per day and therefore the existing use is within the design capacity of the septic system. 388 gpd total
4. A septic decommissioning permit will be required for the existing septic tank that will be under the proposed building. This requires a septic decommissioning permit with separate application (attached). A fee of a septic decomm with a septic application will be used which is $440 (this fee is irregular and is listed on our fee schedule (https://www.portland.gov/ppd/documents/site-sewage-disposal-fee-schedule-all-multnomah-county-effective-sept-5-2024/download) but not the septic evaluation application). The septic decommissioning permit must be issued prior to building permit issuance and

an inspection requested prior to approval of footings and foundations. A plumbing permit from the City of Gresham will also be required to repair and/or relocate the sanitary line.

5. The current proposal does not require more than a single 1000gal septic tank and the decommissioned septic tank does not need to be replaced outside of the proposed building footprint to meet code requirements.
6. Given this is a commercial facility, an effluent filter is required in the septic tank outlet per OAR 340-071-0220(3)(b)(H).
7. A Commercial Septic Review Certification (fee $894) will be required to review the proposal at the fire station and sign the associated paperwork.

I think that is everything; please let me know if I missed something or if you have further questions.

Thanks and have a great day,

Lindsey Reschke, WWS (she/her)
Senior Site Development Inspector
Senior Multnomah County Septic Sanitarian
Building Permit Review Division | Site Development

City of Portland | Portland Permitting & Development
1900 SW Fourth Ave., Suite 5000
Portland, OR 97201
503-823-7451 (desk)
503-823-8786 (cell)
Lindsey.reschke@portlandoregon.gov
www.portland.gov/bds
Work Hours: Monday-Friday, 7:00 AM – 3:30 PM PT

efficiency that considers the energy used by the washer during the cycle and while on standby, the energy used to heat the water, and the energy used to run the dryer. The higher the IMEF, the more energy efficient the clothes washer.

Integrated Water Factor (IWF) is a measure of water efficiency in gallons of water consumed per cubic foot of capacity. The lower the IWF, the more water efficient the clothes washer. Both IMEF and IWF are provided for each model listed in the ENERGY STAR Product Finder.

Consider the benefits of front load

ENERGY STAR certified front load washers use about 45% less energy and 50% less water than a top load agitator washer. In the past decade or so, top load impeller washers, which have a low-profile cone or disc instead of an agitator, have become popular as a more energy- and water-efficient option compared to traditional top load washers. However, compared to a top load impeller washer, front load washers are still about 25% more energy and water efficient.

cutting edge energy efficiency along with the latest in technological innovation. They represent the very best for energy savings and environmental protection. Click the Most Efficient filter to find reco models.

Per Whirlpool website, 5.0 Cu. Ft. is large capacity - cleans over 3 baskets of clothing in a single load. 11-21 full-sized bath towels Estimate max of 25 gallons per load

< back to results

Share This Produ

Description

Load Configuration :	Front Load
Paired ENERGY STAR Certified Clothes Dryer(s) :	Whirlpool - WED6605M**

Efficiency

Annual Washer Energy Use (kWh/yr) :	150
Integrated Modified Energy Factor (IMEF) :	2.76
Annual Water Use (gallons/yr) :	4720
↳ 295-300 [illegible] loads/yr	
Integrated Water Factor (IWF) :	3.2
US Federal Standard (IMEF) :	1.84
US Federal Standard (IWF) :	4.7

Size

Volume (cu. ft.) :	5.0
Width (inches) :	27.0

Features

Additional Dryer Features :	None
Connected :	No
ENERGY STAR Certified :	Yes
Most Efficient :	No

Market

Date Certified :	08/31/2021
Markets :	United States
ENERGY STAR Model Identifier :	ES_22856_WFW6605M**_083120210749788_5800549

Additional Model Identification

ENERGY STAR Unique ID :	2383890
UPC Codes:	883049625836

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Disc

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BEST BUY	Best Buy	WFW6605MC	In Stock	$729.99

25-001353-SE

Reschke, Lindsey

From: Victoria Purvine <ghpurvine@aol.com>
Sent: Monday, April 7, 2025 2:58 PM
To: Reschke, Lindsey
Subject: Re: 36930 E Hist - few questions
Attachments: station 62 updated septic site plan.pdf; Oregon Approval Bristle Brush Filter.pdf; SimTech Brush Filter Info.pdf; Bristle Fifler.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Lindsey,
I've added the new building footprint to the site plan and included the proposed line for the septic that will be completely outside the footprint of any of the buildings, along with the two wyes to add the existing engine building and the proposed one.
The repair through the existing tank that will be abandoned is detailed over the tank area so the restrooms can continue use during construction.
The bond committee reviewed the proposed option for the fire hall and have decided to keep the existing floor plan, which is submitted on the drawing. The submitted site plan for the fire station is the current layout, the proposed changes are on the architect drawing.
The effluent filter specs are attached, we will be using the ~~4"~~ filter. ⇒ 7" filter
The drop boxes are exposed and the training tower will be staked out by tomorrow.
I believe that is everything, I'll call for the inspection once we're cleared for it.
Thank you,
Victoria

On Monday, April 7, 2025 at 06:42:03 AM PDT, Reschke, Lindsey <lindsey.reschke@portlandoregon.gov> wrote:

Hi Victoria,

I received the architectural plans. We need one complete site plan. The site plan you drew had all the requested septic details, but it did not have the proposed building footprint. Neither site plan had the proposed exterior plumbing wyes around the septic tank to be decommissioned and the new sanitary line from the new building. The architectural site plan was missing septic details, etc.

For the floor plans, is there an interior remodel of the east building planned? If so, I need the existing floor plans (assuming only the proposed were submitted) to compare the layouts.

Please let me know if you have any further questions.

Sincerely,