



Technical Memorandum

Subject: Filtration Facility Land Use Application Pipeline Drawings **A.2 B Architectural**

PWB Project #s: W02229

Date: September 23, 2022

To: Dan Hogan, P.E., Project Manager
Portland Water Bureau

From: Brad Phelps, P.E., Project Manager
Jacobs



EXPIRES: 12/31/2022

Jacobs

The drawings attached to this technical memorandum (TM) were prepared in support of the City of Portland Water Bureau’s Bull Run Facility Pipelines land use applications in Multnomah County. These drawings were prepared under the direction of a registered professional engineer. These drawings reflect the current status of the Facility Pipelines design, which is approximately 60% complete as of the date of this TM and are considered preliminary and are not for final construction. The drawings are subject to change have been prepared and compiled for the specific purpose of addressing conformance of the project to Multnomah County land use requirements as expressed in the Multnomah County Code.

The contents of each set of drawings are listed in the table below.

Table 1. Architectural Plan Drawings		
Drawing Number	Drawing Name	Description
LU-000	COVER SHEET	COVER SHEET
LU-550	FINISHED WATER INTERTIE ELECTRICAL BUILDING ARCHITECTURAL PLANS	FINISHED WATER INTERTIE ELECTRICAL BUILDING ARCHITECTURAL PLANS
LU-551	FINISHED WATER INTERTIE ELECTRICAL BUILDING ARCHITECTURAL ELEVATIONS	FINISHED WATER INTERTIE ELECTRICAL BUILDING ARCHITECTURAL ELEVATIONS
LU-552	FINISHED WATER INTERTIE VALVE AND METER VAULT ARCHITECTURAL ELEVATIONS	FINISHED WATER INTERTIE VALVE AND METER VAULT ARCHITECTURAL ELEVATIONS
LU-553	FINISHED WATER INTERTIE SITE LIGHTING PLAN	FINISHED WATER INTERTIE SITE LIGHTING PLAN



Portland Water Bureau

Bull Run Filtration Pipelines Project LAND USE APPLICATION APPENDIX A.2 B. ARCHITECTURAL PLANS

SHEET NUMBER	SHEET NAME	DESCRIPTION	FINISHED WATER INTERIE
1	LU-000	COVERSHEET	
2	LU-500	FINISHED WATER INTERIE ELECTRICAL BUILDING ARCHITECTURAL PLANS	
3	LU-550	FINISHED WATER INTERIE ELECTRICAL BUILDING ARCHITECTURAL ELEVATIONS	
4	LU-552	FINISHED WATER INTERIE VALVE AND METER VAULT ARCHITECTURAL ELEVATIONS	
5	LU-553	FINISHED WATER INTERIE SITE LIGHTING PLAN	

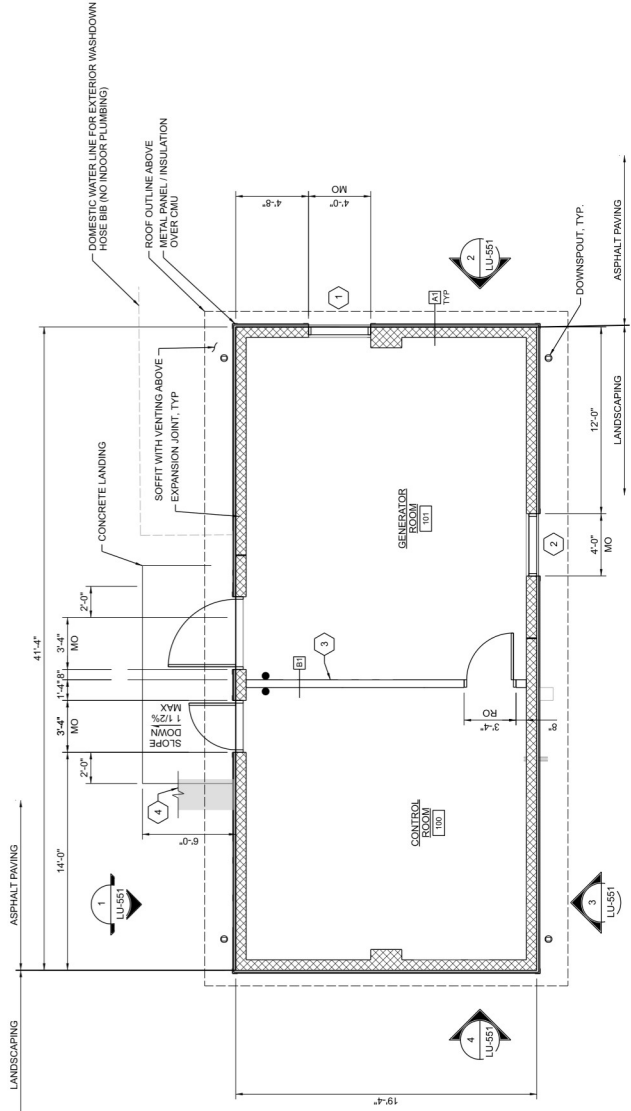
PRELIMINARY NOT FOR CONSTRUCTION	WARNING This document is preliminary and is not intended for construction. It is for informational purposes only. It is not to be used for construction. It is not to be used for construction. It is not to be used for construction.	<table border="1" style="font-size: small;"> <tr> <td>Designed By</td> <td>Program Mgr</td> <td>XXX</td> </tr> <tr> <td>Drawn By</td> <td>Drawn Mgr</td> <td>XXX</td> </tr> <tr> <td>Checked By</td> <td>Drawn Super</td> <td>XXX</td> </tr> <tr> <td>Project Mgr</td> <td>Date</td> <td>05/2022</td> </tr> </table>	Designed By	Program Mgr	XXX	Drawn By	Drawn Mgr	XXX	Checked By	Drawn Super	XXX	Project Mgr	Date	05/2022			Bull Run Filtration Pipelines LAND USE APPLICATION APPENDIX A.2 B. ARCHITECTURAL PLANS <small>COVERSHEET</small>	<small>PLAN NUMBER</small> W02563 <small>the Sheet</small> <small>Sheet No.</small> LU-000
Designed By	Program Mgr	XXX																
Drawn By	Drawn Mgr	XXX																
Checked By	Drawn Super	XXX																
Project Mgr	Date	05/2022																
No. _____ Date _____ Description _____ Rev. Run _____ Survey _____	REVISIONS: THE DOCUMENT, AND THE DESIGN AND CONDITIONS INCORPORATED HEREIN, IS THE PROPERTY OF PORTLAND WATER BUREAU. ANY REVISIONS TO THIS DOCUMENT SHALL BE MADE BY PORTLAND WATER BUREAU. ANY REVISIONS TO THIS DOCUMENT SHALL BE MADE BY PORTLAND WATER BUREAU. ANY REVISIONS TO THIS DOCUMENT SHALL BE MADE BY PORTLAND WATER BUREAU.						© JANUARY 2022. ALL RIGHTS RESERVED.											

GENERAL SHEET NOTES

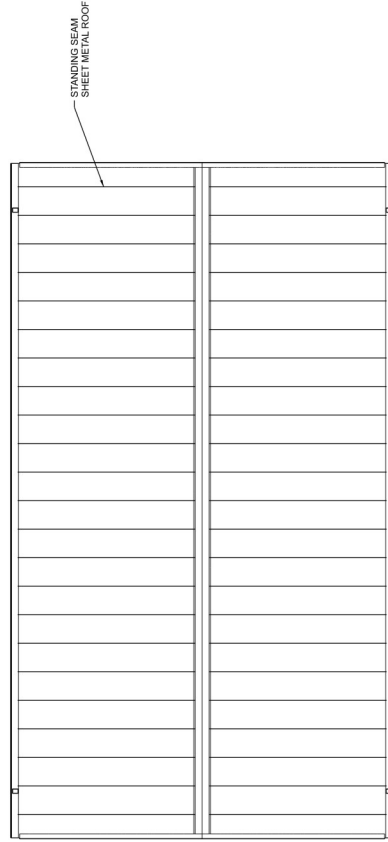
- SERVICE AREAS THERE ARE NO PROPOSED SERVICE AREAS FOR THIS PROJECT SITE OTHER THAN GENERATOR REPLACEMENT USING UNDERPAVING.
- LANDSCAPING - SEE LANDSCAPING PLAN.
- ACCESSIBILITY - SPECIAL PROVISIONS FOR ACCESSIBILITY ARE NOT REFERRED AT THIS SITE. THIS FACILITY IS NOT OPEN FOR PUBLIC USE.
- PROPOSED GROUND DISTURBANCE - SEE CIVIL PLAN.

KEYNOTES

- ALUMINUM LOUVER
- REMOVABLE ALUMINUM LOUVER
- 1-HR RATED METAL STUD WALL
- UNDERGROUND ELECTRICAL DUCT BANK



GROUND FLOOR PLAN
1/4"=1'-0"



ROOF PLAN
1/4"=1'-0"

DATE: Project No. **W02563**
1/16 Section
Sheet No. **LU-560**

**Bull Run Filtration Pipelines
FINISHED WATER INTERTIE
ELECTRICAL BUILDING
ARCHITECTURAL PLANS**



WARNING
If this drawing is used for construction, the contractor shall be responsible for verifying all dimensions and conditions in the field.

Designed By	Program Mgr
Drawn By	Coord. Mgr
Checked By	Coord. Supvr
Project Mgr	Date

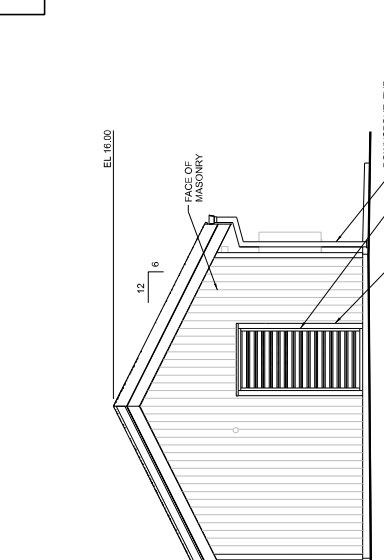
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No.	Date	Description	By

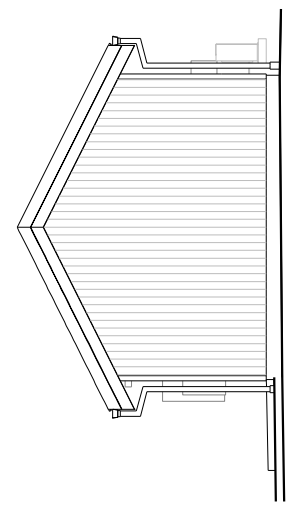
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KEYNOTES

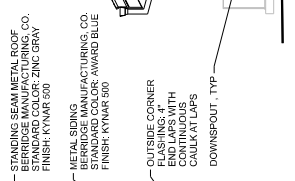
1. 6" BLACK HIGH LETTERS ON DOOR- TO READ, "CONTROL ROOM"
2. 6" BLACK HIGH LETTERS ON DOOR- TO READ, "GENERATOR ROOM"
3. SURFACE MOUNTED LIGHT SCIENCE.
4. ELECTRICAL PANELS.



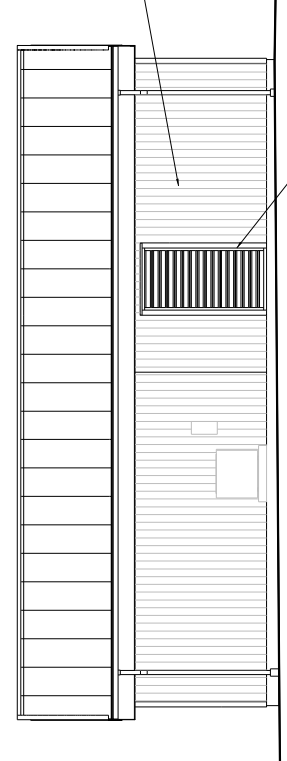
1 NORTH ELEVATION
1/4"=1'-0"
LU-550



3 SOUTH ELEVATION
1/4"=1'-0"
LU-550



2 EAST ELEVATION
1/4"=1'-0"
LU-550



4 WEST ELEVATION
1/4"=1'-0"
LU-550

DATE PLOTTED: 04/11/2022
W02563
 SHEET NO.
 LU-551

Bull Run Filtration Pipelines
FINISHED WATER INTERTIE
ELECTRICAL BUILDING
 ARCHITECTURAL ELEVATIONS



DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 PROJECT NO.: XXX-XXX
 SHEET NO.: LU-551



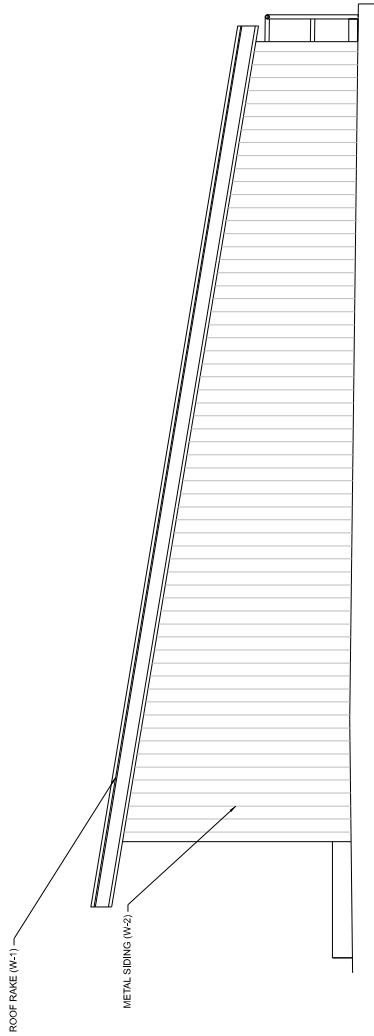
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Design By	XXX
Drawn By	XXX
Checked By	XXX
Project Mgr	XXX
Date	04/11/2022

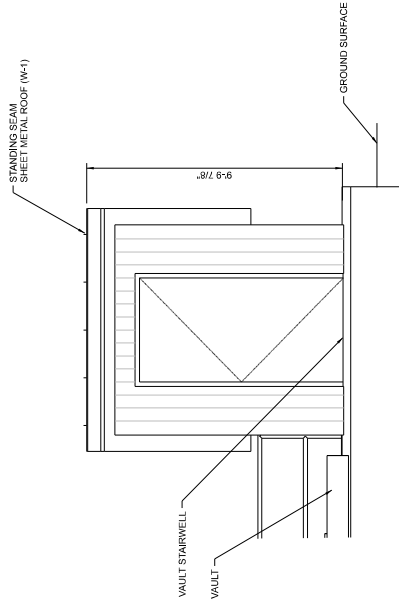
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No.	Date	Description	App'd

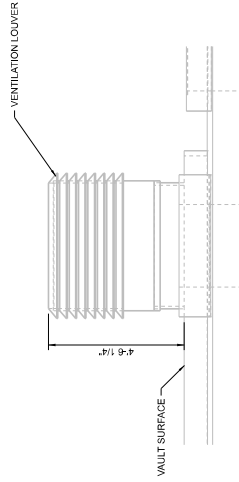
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1 STAIRWAY RAIN COVER
WEST ELEVATION



2 STAIRWAY RAIN COVER
SOUTH ELEVATION



3 VENTILATION LOUVER
1/4" = 1'-0"

No.	Date	Description	App'd.
		Rain Run	
Survey			

PRELIMINARY
NOT FOR
CONSTRUCTION

Designed By	Program Mgr	
Drawn By	Coord Mgr	
Checked By	Comm Super	
Project Mgr	Date	05/2022

WARNING
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Bull Run Filtration Pipelines
FINISHED WATER INTERTIE
VALVE AND METER VAULT
ARCHITECTURAL ELEVATIONS

DATE PROJECT NO.
W02563

SHEET NO.
LU-552

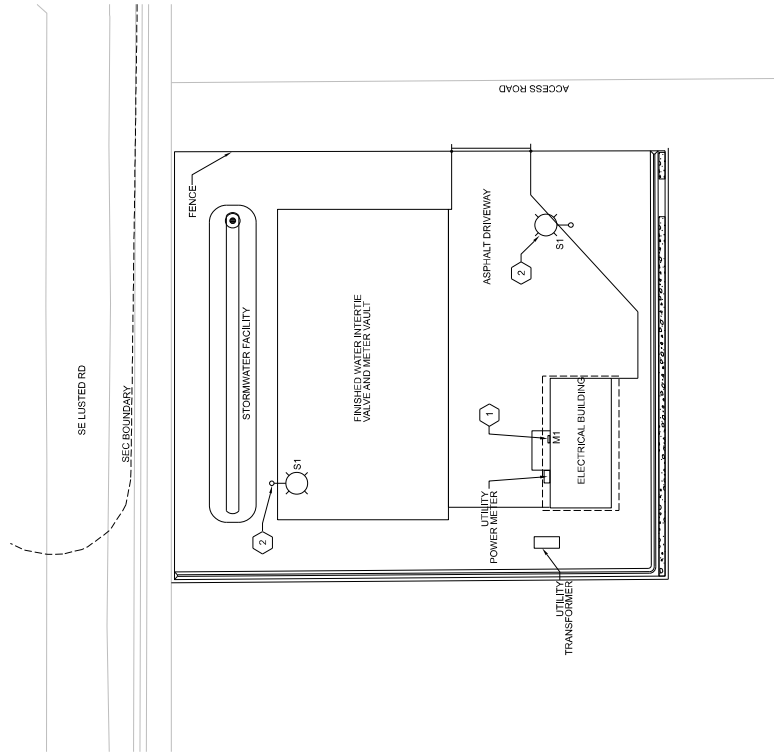
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GENERAL SHEET NOTES

- 1. ALL LUMINAIRES POWERED FROM PANEL BOARD LOCATED IN THE ELECTRICAL ROOM

SHEET KEYNOTES

- 1. SURFACE MOUNTED LIGHT SCENCE.
- 2. POLE MOUNTED LUMINAIRE, POLE HEIGHT 15'.



LIGHTING PLAN
1"=20'

LUMINAIRE SCHEDULE

TYPE	VOLTAGE	INPUT WATTS	DESCRIPTION	BASIS OF DESIGN	LAMPS	MOUNTING
M1	120	12	WALL MOUNTED ARCHITECTURAL WALL SCENCE ALUMINUM FINISH. 15" X 15" X 4" MOTION/AMBIENT SENSOR, AMBIENT ENABLED AT 1 FC.	LITHONIA WST LED WST LED P1 30K V7 MVOLT DBXK PIRFCGV OR APPROVED EQUAL	LED 3000K	WALL MOUNT
S1	120	38	PRECISION-MOLDED PROPRIETARY ACRYLIC LENSES. SINGLE-PIECE DIE CAST ALUMINUM HOUSING. COMPLETELY SEALED AGAINST MOTION/AMBIENT SENSOR, AMBIENT ENABLED AT 1 FC. 15'-0" X 4" SQUARE ALUMINUM POLE. DARK BRONZE FINISH.	LITHONIA D-SERIES SIZE 0 DSX0 LED P1 30K RCOO SPA,DBBFD MVOLT PIRFCGV OR APPROVED EQUAL	LED 3000K	POLE MOUNT

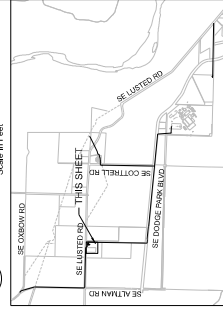


M1. LITHONIA WST LED WALL MOUNT LIGHT



S1. LITHONIA D-SERIES POLE LIGHT

LUMINAIRE SCHEDULE



KEY PLAN

Site Project No
W02563
the Sheet
Sheet No
LU-563



WARNING
This drawing is preliminary and is not to be used for construction. All dimensions are approximate and subject to change without notice.

Designed By	Program Mgr	XX
Drawn By	Drawn Mgr	XX
Checked By	Drawn Super	XX
Project Mgr	Date	05/2022

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No.	Date	Description	App'd

Survey

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