Bull Run TREATMENT PROJECTS

Facility Pipelines

Technical Memorandum

Subject:	Filtration Facility Land Use Application Pipeline Drawings **A.2 B Architectural**
PWB Project #s:	W02229
Date:	January 10, 2023
To:	Dan Hogan, P.E., Project Manager Portland Water Bureau
From:	Brad Phelps, P.E., Project Manager Jacobs

REGISTERED PROFESSIONAL ENGINEER
14333PE
DIGITAL SIGNATURE
OREGON
MARCH 28, 1989
BRADLEY J. PHELPS
EXPIRES: 12/31/2024

Exhibit A.202

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 INTERTIE
1	LU-000	COVERSHEET
2	LU-550	FINISHED WATER INTERTIE ELECTRICAL BUILDING ARCHITECTURAL PLANS
3	LU-551	FINISHED WATER INTERTIE ELECTRICAL BUILDING ARCHITECTURAL ELEVATIONS
4	LU-552	FINISHED WATER INTERTIE VALVE AND METER VAULT ARCHITECTURAL ELEVATIONS
5	LU-553	FINISHED WATER INTERTIE SITE LIGHTING PLAN

08/22/2022 9:38:59 AM

No	Date	Description	Appd
		Revision	
Survey			

PRELIMINARY NOT FOR CONSTRUCTION

Designed By	Will	Program Mgr	XXX
Drawn By	Ap	Const Mgr	XXX
Checked By	Sch	Const Supvr	XXX
Project Mgr	XXX	Date 6/30/22	

WARNING
0 1"
If this bar does not measure 1" then the drawing is not to scale

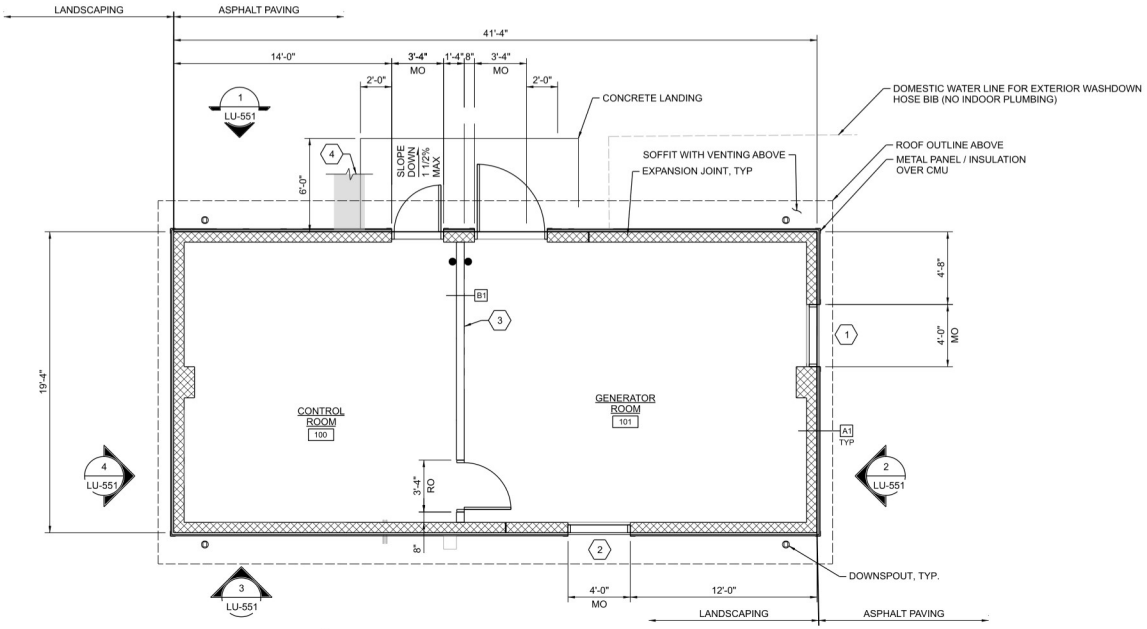
XXX XXX Date
XXX XXX Date

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

SAP Project No W02563
1/4 Section
Sheet No LU-000

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN ("DOCUMENTS"), AS AN INSTRUMENT OF PROFESSIONAL SERVICE, WAS PREPARED BY JACOBS SOLEY FOR THE PURPOSE OF THIS PROJECT AND DESIGN CRITERIA. JACOBS IS RELEASED FROM ANY AND ALL LIABILITY OF ANY KIND ARISING OUT OF OR RELATING TO THE RE-USE OF THE DOCUMENTS, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT OR EXTENSIONS OF THIS PROJECT.

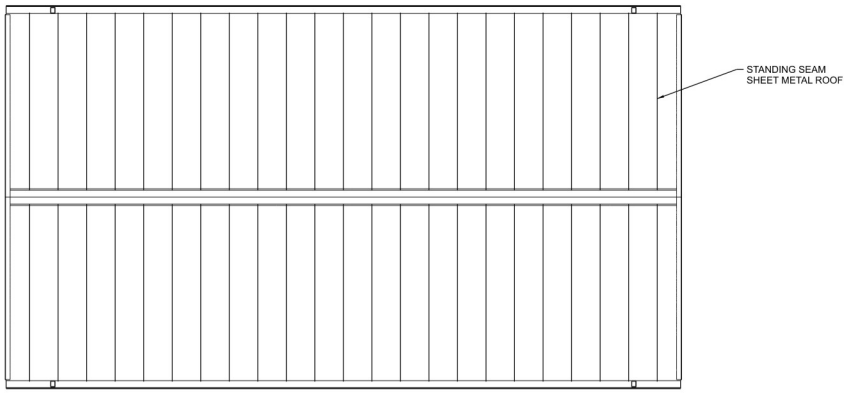
©JACOBS 2022. ALL RIGHTS RESERVED.



N

GROUND FLOOR PLAN

1/4"=1'-0"



N

ROOF PLAN

1/4"=1'-0"

GENERAL SHEET NOTES

1. SERVICE AREAS: THERE ARE NO PROPOSED SERVICE AREAS FOR THIS PROJECT SITE OTHER THAN GENERATOR REPLACEMENT USING DRIVEWAY.
2. LANDSCAPING - SEE LANDSCAPING PLAN.
3. ACCESSIBILITY - SPECIAL PROVISIONS FOR ACCESSIBILITY ARE NOT NEEDED AT THIS SITE. THIS FACILITY IS NOT OPEN FOR PUBLIC USE.
4. PROPOSED GROUND DISTURBANCE: SEE CIVIL PLAN.

KEYNOTES

1. ALUMINUM LOUVER
2. REMOVABLE ALUMINUM LOUVER
3. 1-HR RATED METAL STUD WALL
4. UNDERGROUND ELECTRICAL DUCT BANK

W02563_LU-550.dgn

08/31/2022 3:26:31 PM

No	Date	Description	Appd
		Revision	
Survey			

PRELIMINARY NOT FOR CONSTRUCTION

Designed By	SH	Program Mgr	XXX
Drawn By	SH	Const Mgr	XXX
Checked By		Const Supvr	XXX
Project Mgr	XXX	Date 6/30/22	

WARNING

0 1"

If this bar does not measure 1" then the drawing is not to scale

PORTLAND WATER BUREAU

FROM FOREST TO FAUCET

XXX XXX Date

XXX XXX Date

Bull Run Filtration Pipelines

FINISHED WATER INTERTIE ELECTRICAL BUILDING

ARCHITECTURAL PLANS

SAP Project No W02563

1/4 Section

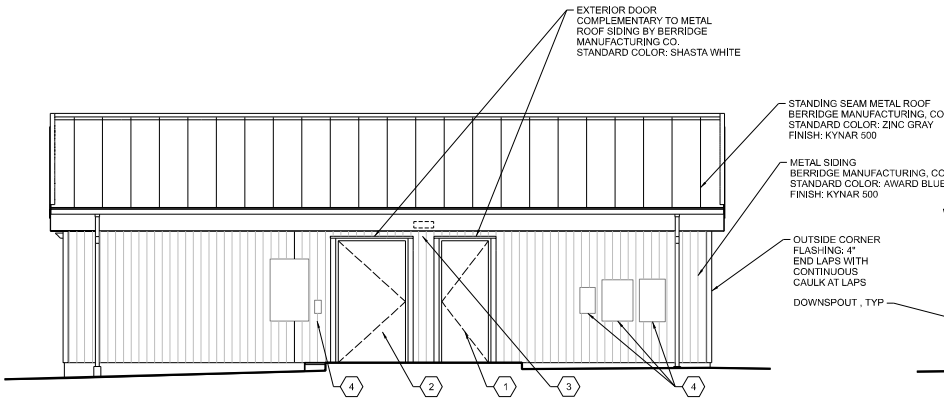
Sheet No LU-550

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN ("DOCUMENTS"), AS AN INSTRUMENT OF PROFESSIONAL SERVICE, WAS PREPARED BY JACOBS SOLEY FOR THE PURPOSE OF THIS PROJECT AND DESIGN CRITERIA. JACOBS IS RELEASED FROM ANY AND ALL LIABILITY OF ANY KIND ARISING OUT OF OR RELATING TO THE RE-USE OF THE DOCUMENTS, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT OR EXTENSIONS OF THIS PROJECT.

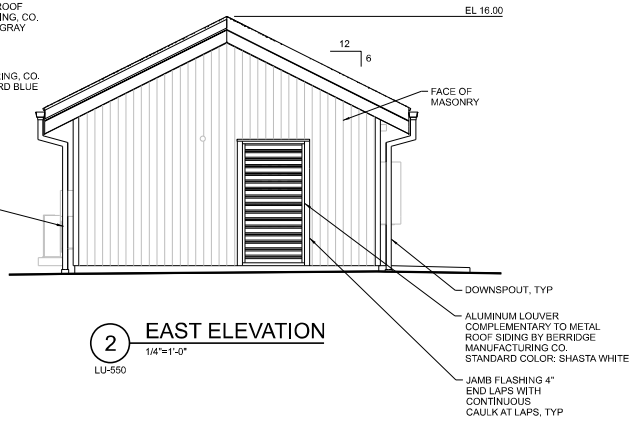
© JACOBS 2022. ALL RIGHTS RESERVED.

KEYNOTES

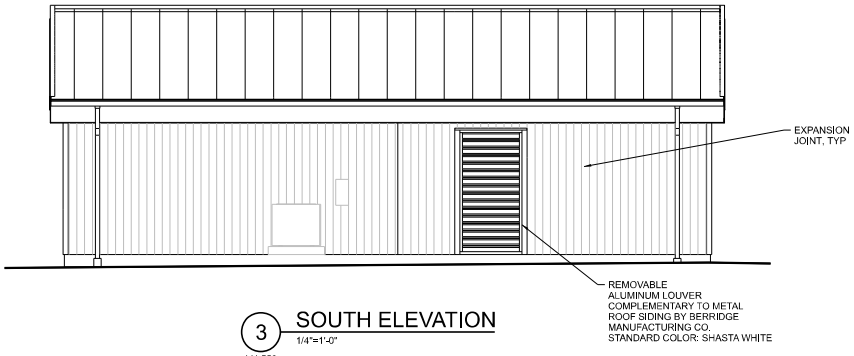
1. 6" BLACK HIGH LETTERS ON DOOR- TO READ, "CONTROL ROOM" .
2. 6" BLACK HIGH LETTERS ON DOOR- TO READ, "GENERATOR ROOM" .
3. SURFACE MOUNTED LIGHT SCONCE.
4. ELECTRICAL PANELS.



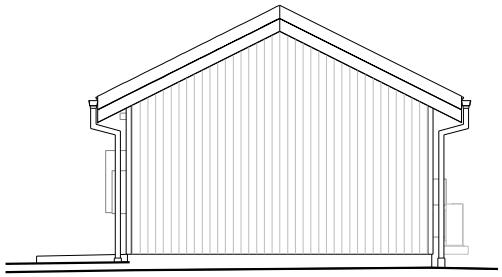
1 NORTH ELEVATION
1/4"=1'-0"
LU-550



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



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



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

No	Date	Description	Appd
		Revision	
Survey			

PRELIMINARY
NOT FOR
CONSTRUCTION

Designed By	DG	Program Mgr	XXX
Drawn By	DG	Const Mgr	XXX
Checked By	BN	Const Supvr	XXX
Project Mgr	XXX	Date 6/30/22	

WARNING
0 1"
If this bar does not measure 1" then the drawing is not to scale

PORTLAND WATER BUREAU
FROM FOREST TO FAUCET

XXX XXX — Date
XXX XXX — Date

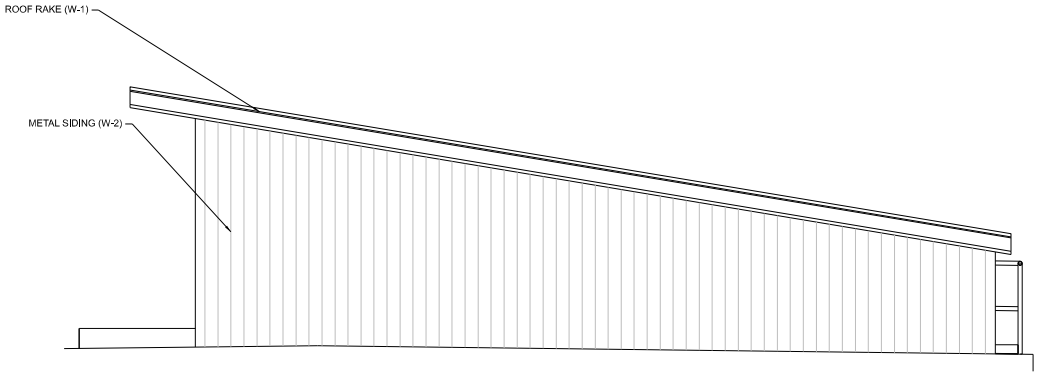
Bull Run Filtration Pipelines
FINISHED WATER INTERTIE
ELECTRICAL BUILDING
ARCHITECTURAL ELEVATIONS

SAP Project No
W02563
1/4 Section
Sheet No
LU-551

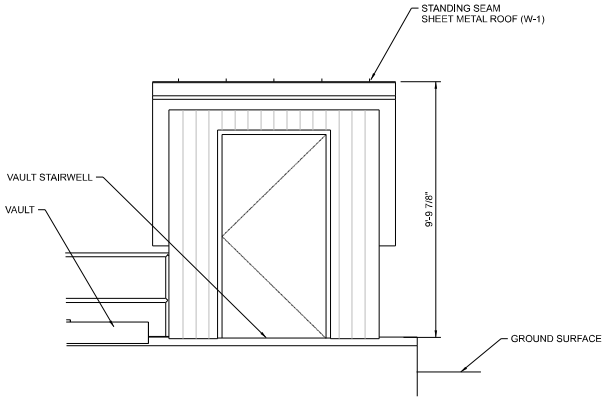
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN ("DOCUMENTS"), AS AN INSTRUMENT OF PROFESSIONAL SERVICE, WAS PREPARED BY JACOBS SOLEY FOR THE PURPOSE OF THIS PROJECT AND DESIGN CRITERIA. JACOBS IS RELEASED FROM ANY AND ALL LIABILITY OF ANY KIND ARISING OUT OF OR RELATING TO THE RE-USE OF THE DOCUMENTS, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT OR EXTENSIONS OF THIS PROJECT.

©JACOBS 2022. ALL RIGHTS RESERVED.

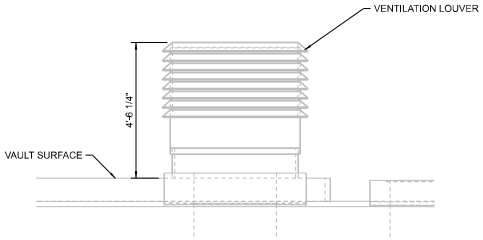
09/22/2022 4:56:00 PM W02563_LU-551.dgn



1 STAIRWAY RAIN COVER
WEST ELEVATION



2 STAIRWAY RAIN COVER
SOUTH ELEVATION



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

W02563_LU-552.dgn
08/31/2022 3:40:58 PM

No	Date	Description	Appd
		Revision	
Survey			

PRELIMINARY
NOT FOR
CONSTRUCTION

Designed By	SIT	Program Mgr	XXX
Drawn By	SIT	Const Mgr	XXX
Checked By		Const Supvr	XXX
Project Mgr	XXX	Date 6/30/22	

WARNING
0 1"
If this bar does not measure 1" then the drawing is not to scale

PORTLAND WATER BUREAU
FROM FOREST TO FAUCET

XXX XXX Date
XXX XXX Date

CITY OF PORTLAND OREGON 1851

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

SAP Project No
W02563
1/4 Section
Sheet No
LU-552

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN ("DOCUMENTS"), AS AN INSTRUMENT OF PROFESSIONAL SERVICE, WAS PREPARED BY JACOBS SOLEY FOR THE PURPOSE OF THIS PROJECT AND DESIGN CRITERIA. JACOBS IS RELEASED FROM ANY AND ALL LIABILITY OF ANY KIND ARISING OUT OF OR RELATING TO THE RE-USE OF THE DOCUMENTS, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT OR EXTENSIONS OF THIS PROJECT.

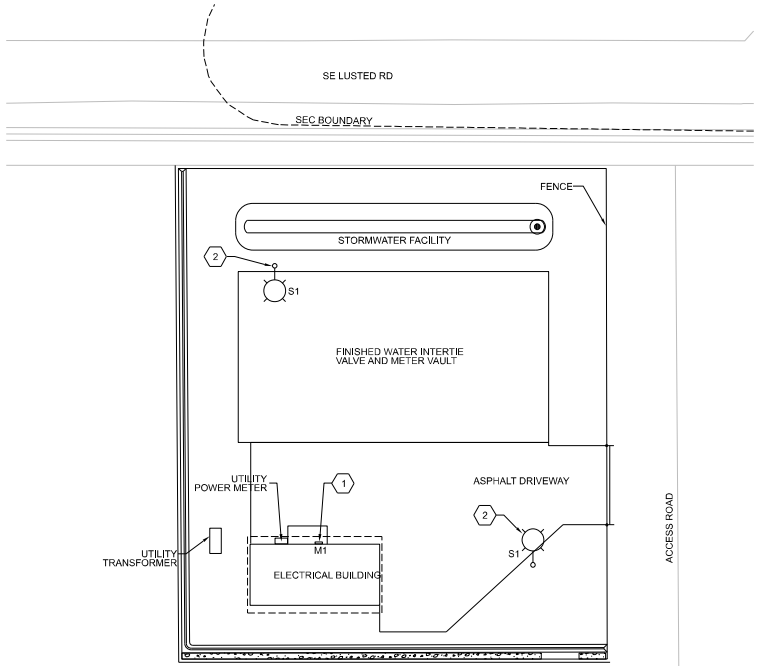
©JACOBS 2022. ALL RIGHTS RESERVED.

GENERAL SHEET NOTES

1. ALL LUMINAIRES POWERED FROM PANELBOARD LOCATED IN THE ELECTRICAL ROOM

SHEET KEYNOTES

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



LIGHTING PLAN

1"=20'

	LUMINAIRE SCHEDULE						
	TYPE	VOLTAGE	INPUT WATTS	DESCRIPTION	BASIS OF DESIGN	LAMPS	MOUNTING
M1	M1	120	12	WALL MOUNTED ARCHITECTURAL WALL SCCNCE. ALUMINUM HOUSING. FULL CUTOFF OPTICS. DARK BRONZE FINISH. MOTION/AMBIENT SENSOR, AMBIENT ENABLED AT 1FC.	LITHONIA WST LED WST LED P1 30K VF MVOLT DDBX PIR1FC3V OR APPROVED EQUAL	LED 3000K	WALL MOUNT
S1	S1	120	38	PRECISION-MOLDED PROPRIETARY ACRYLIC LENSES. SINGLE-PIECE DIE-CAST ALUMINUM HOUSING, COMPLETELY SEALED AGAINST MOISTURE AND ENVIRONMENTAL CONTAMINANTS (IP65). MOTION/AMBIENT SENSOR, AMBIENT ENABLED AT 1FC. 15'-0" X 4" SQUARE ALUMINUM POLE. DARK BRONZE FINISH.	LITHONIA D-SERIES SIZE 0 DSX0 LED P1 30K RCCO SPA DDBTXD MVOLT PIR1FC3V OR APPROVED EQUAL	LED 3000K	POLE MOUNT

LUMINAIRE SCHEDULE

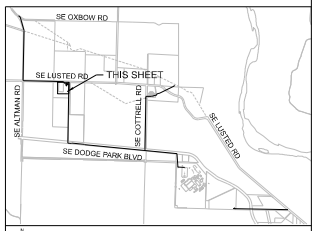
M1. LITHONIA WST LED WALL MOUNT LIGHT

S1. LITHONIA D-SERIES POLE LIGHT

N

0 20 40 60

Scale In Feet



KEYPLAN

No	Date	Description	Appd

Revision

Survey

PRELIMINARY NOT FOR CONSTRUCTION

Designed By	MMT	Program Mgr	XXX
Drawn By	MMT	Const Mgr	XXX
Checked By		Const Supvr	XXX
Project Mgr	XXX	Date 6/30/22	

WARNING

0 1"

If this bar does not measure 1" then the drawing is not to scale

PORTLAND WATER BUREAU

FROM FOREST TO FAUCET

XXX XXX Date

XXX XXX Date

Bull Run Filtration Pipelines

FINISHED WATER INTERTIE SITE LIGHTING PLAN

SAP Project No W02563

1/4 Section

Sheet No LU-553

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN ("DOCUMENTS"), AS AN INSTRUMENT OF PROFESSIONAL SERVICE, WAS PREPARED BY JACOBS SOLEY FOR THE PURPOSE OF THIS PROJECT AND DESIGN CRITERIA. JACOBS IS RELEASED FROM ANY AND ALL LIABILITY OF ANY KIND ARISING OUT OF OR RELATING TO THE RE-USE OF THE DOCUMENTS, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT OR EXTENSIONS OF THIS PROJECT.

©JACOBS 2022. ALL RIGHTS RESERVED.

08/31/2022 3:47:42 PM W02563_LU-553.dgn