Hazen and Sawyer
One South Broad Street, Suite 900
Philadelphia, PA 19107

September 24, 2025

Philadelphia Art Commission
1515 Arch Street, 13th Floor
Philadelphia PA 19102

Re: Submission Materials
Philadelphia Water Department
Proposed Effluent Pump Station at the
Northeast Water Pollution Control Plant

Dear Commissioners:

On behalf of the Philadelphia Water Department (PWD), Hazen and Sawyer (Hazen) is pleased to submit the attached submission materials to the Philadelphia Art Commission for their review with regard to the proposed Effluent Pump Station at the Northeast Water Pollution Control Plant (NEWPCP).

Please find attached our presentation for the October 8th Art Commission Meeting which includes the following information for your review and consideration:

- Site Aerial
- Color photographs of the site
- Applicable drawings and renderings, including:
    - Site plans
    - Landscape Plans
    - Floor Plans & Section Views
    - Elevations views of the proposed facility
    - Color rendering(s)

Please note that we have also provided separate PDFs of the drawings for your convenience.

Existing Condition of Property

The proposed address for the new pump station is 3899 Richmond Street. The area of the parcel is 7,068,727 square feet and the property is zoned I-3 Heavy Industrial. The proposed Effluent Pump Station will be located on a portion of the parcel along Delaware Avenue.

Purpose of Proposed Work

PWD is proposing to construct an Effluent Pump Station at the Northeast Water Pollution Control Facility, to convey treated wastewater during high water events in the Delaware River. Currently treated effluent flows by gravity to the Delaware River. With sea level rise and higher water surfaces anticipated in the Delaware River, a pump station will be needed to lift the treated wastewater to the Delaware River.

The proposed structure will contain wet wells and hydraulic structures for conveying the treated wastewater along with the ten vertical pump assemblies. Ancillary rooms include electrical rooms, an HVAC room, a control room, storage areas, and a loading area.

Contact Information

- Applicant

  Philadelphia Water Department
  1101 Market Street
  Philadelphia, PA 19107

  Attention: Maksym Szpilczak, Design and Construction Project Manager
  215.685.6088
  maksym.szpilczak@phila.gov

- Engineering / Architectural Consultant

  Hazen and Sawyer
  One South Broad Street, Suite 900
  Philadelphia, PA 19107
  Attention: Mark Bottin PE, Associate Vice President
  215-592-4402
  mbottin@hazenandsawyer.com

We look forward to your review of our project and our meeting on October 8, 205.

Please do not hesitate to contact Maksym Szpilczak (mszpilczak@phila.gov) or myself if you have any questions or require additional information. We thank you in advance for your review and your consideration of this application.

Very truly yours,

Mark Bottin, PE
Associate Vice President

Enclosures

c: PWD: David Weld, Maksym Szpilczak

Hazen

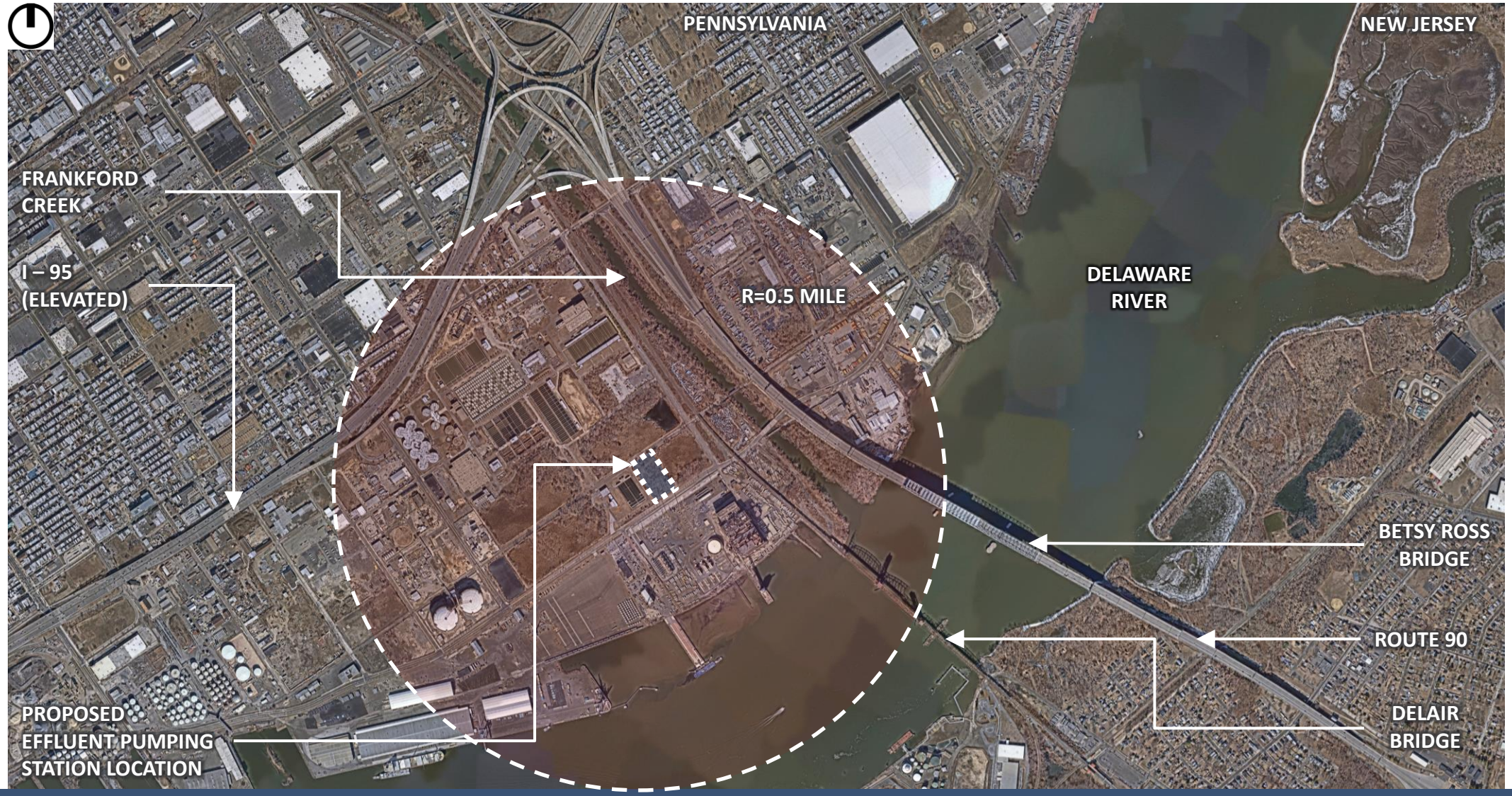
May 1, 2024

PHILADELPHIA WATER DEPARTMENT

Effluent Pumping Station at the NEWPCP

Location Plan

3950 N Delaware Avenue



Location Plan

3950 N Delaware Avenue

Existing Site Photos

Composition Photo #1:

On N Delaware Ave, Approaching Site Entrance Looking East

Existing Site Photos

Composition Photo #2:

On N Delaware Ave between Wheatsheaf Lane and Lewis Street Looking West

Existing Site Photos

Existing Buildings:

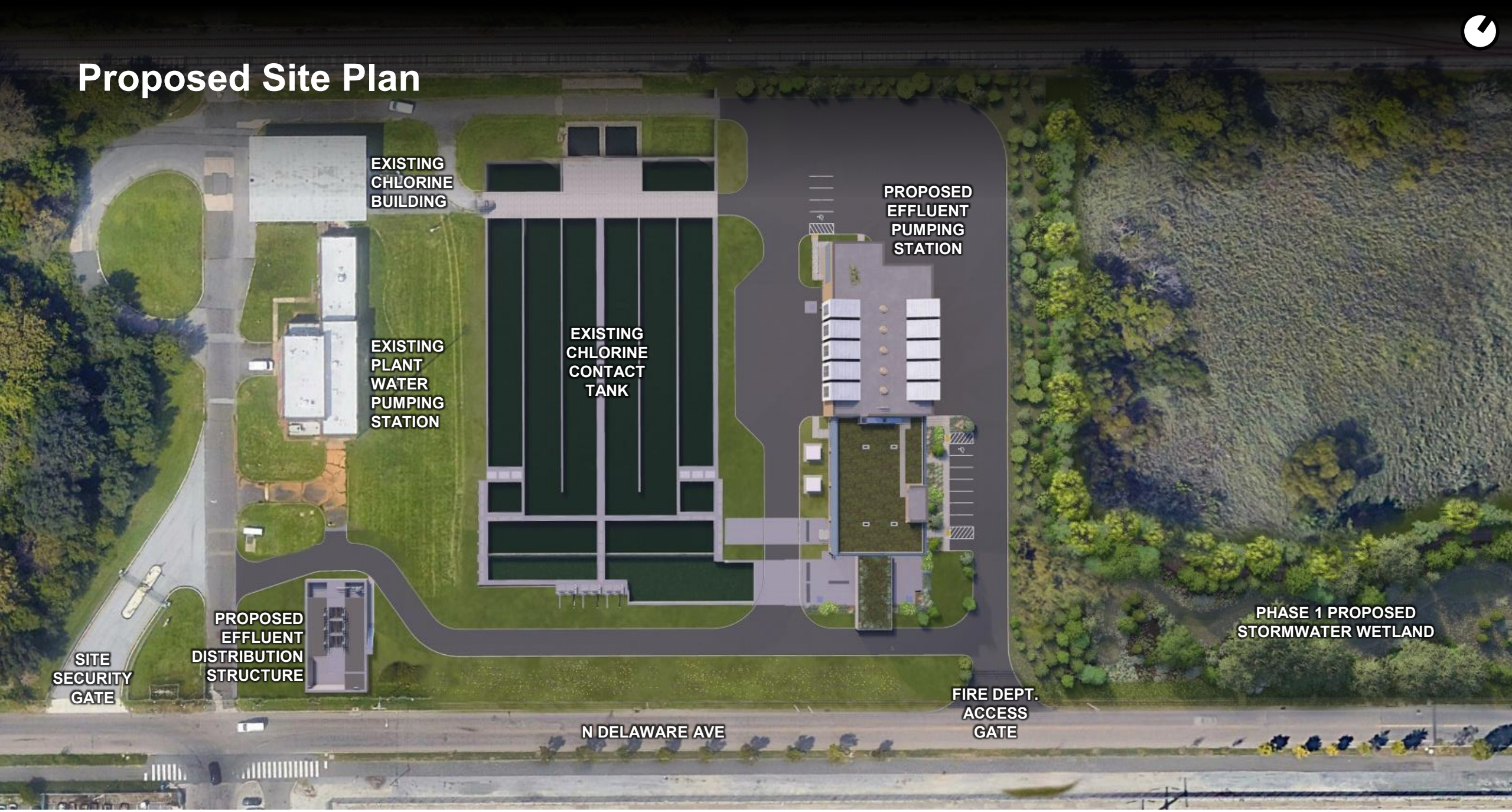
Plant Water Pumping Station

Existing Site Photos

Existing Buildings:

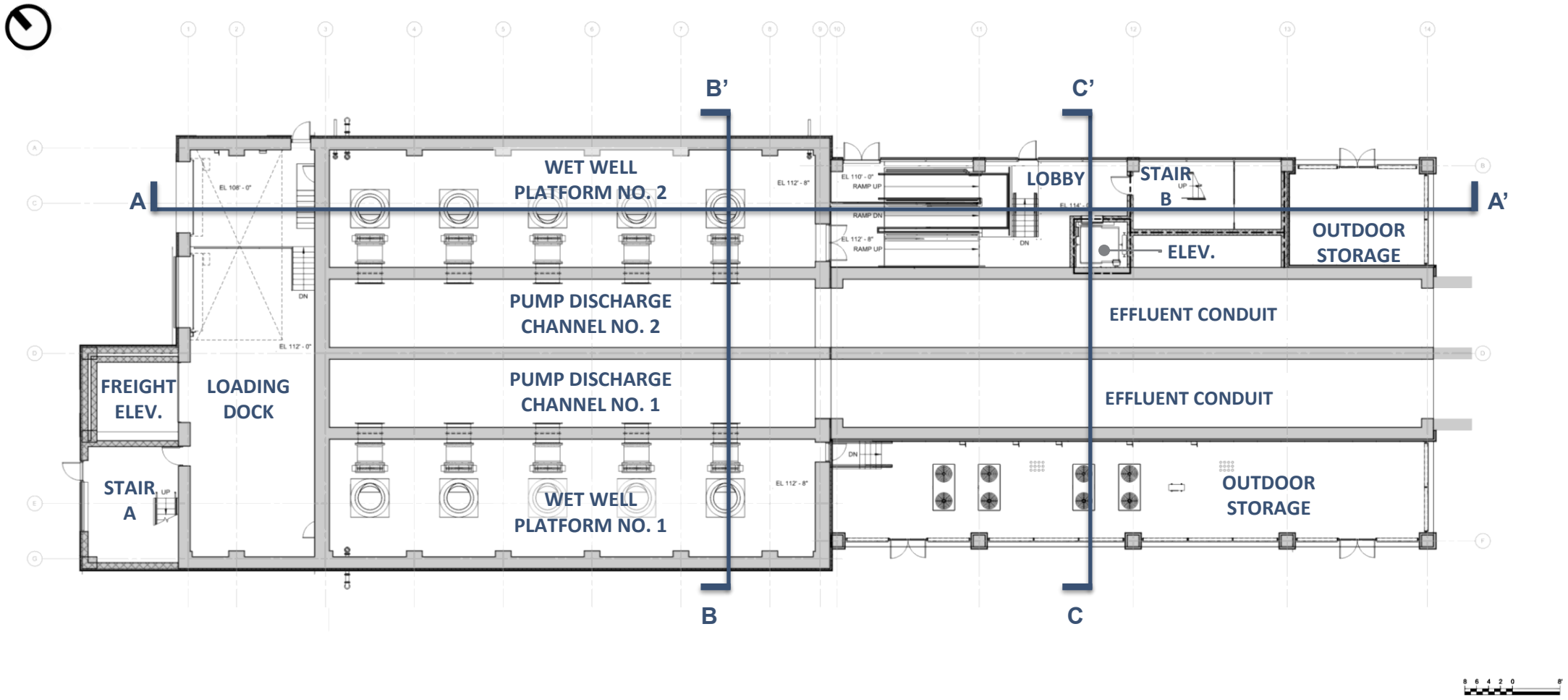
Chlorine Building

Proposed Site Plan



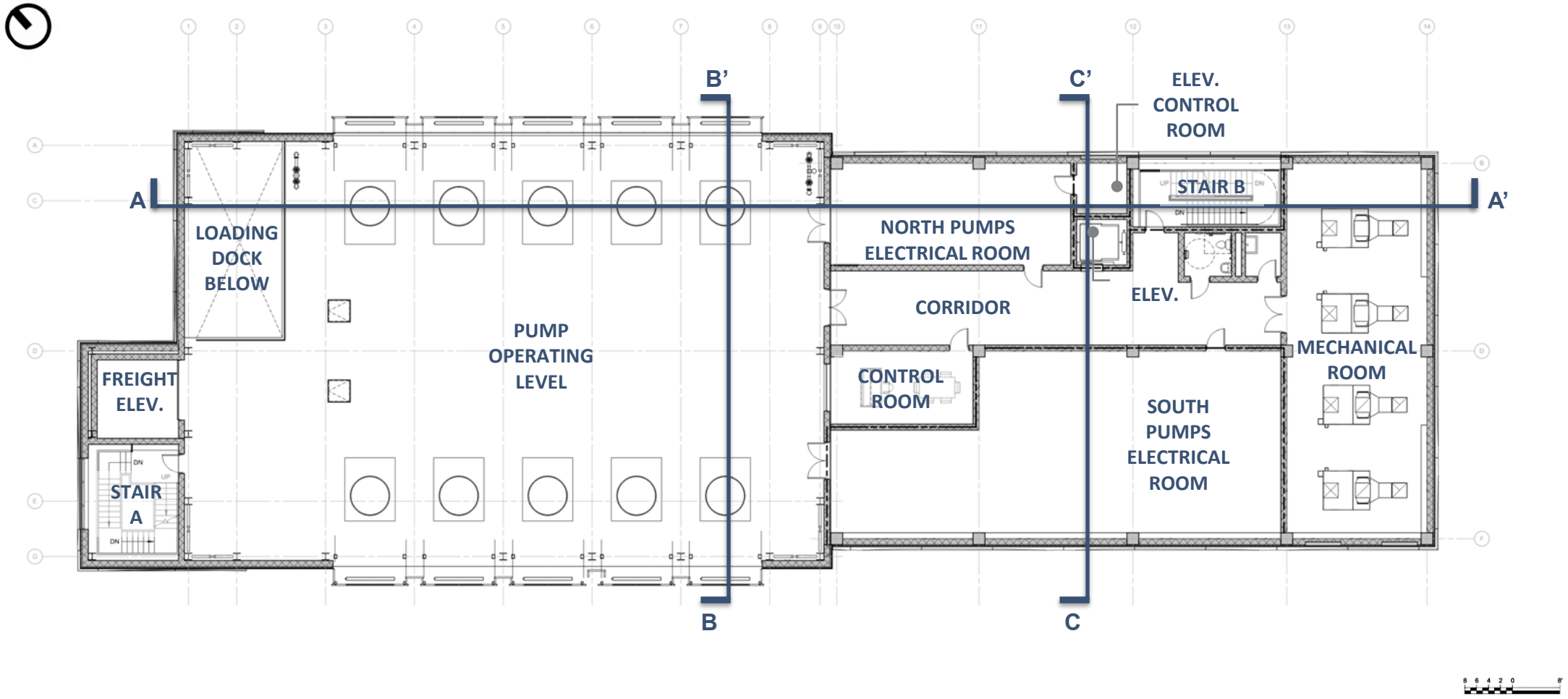
Effluent Pumping Station

1st Floor Plan



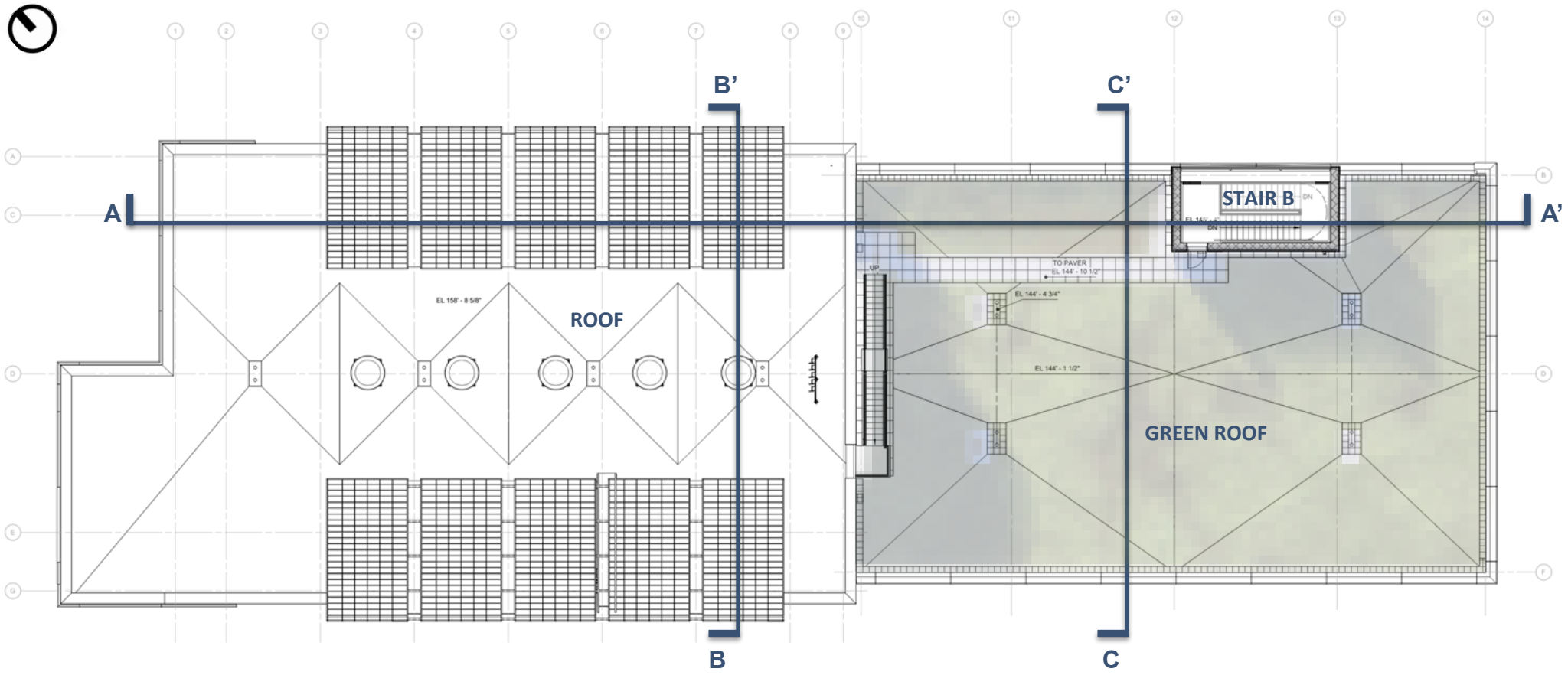
Effluent Pumping Station

2nd Floor Plan

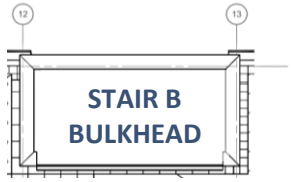


Effluent Pumping Station

Roof Plan & Stair B Bulkhead Roof Plan



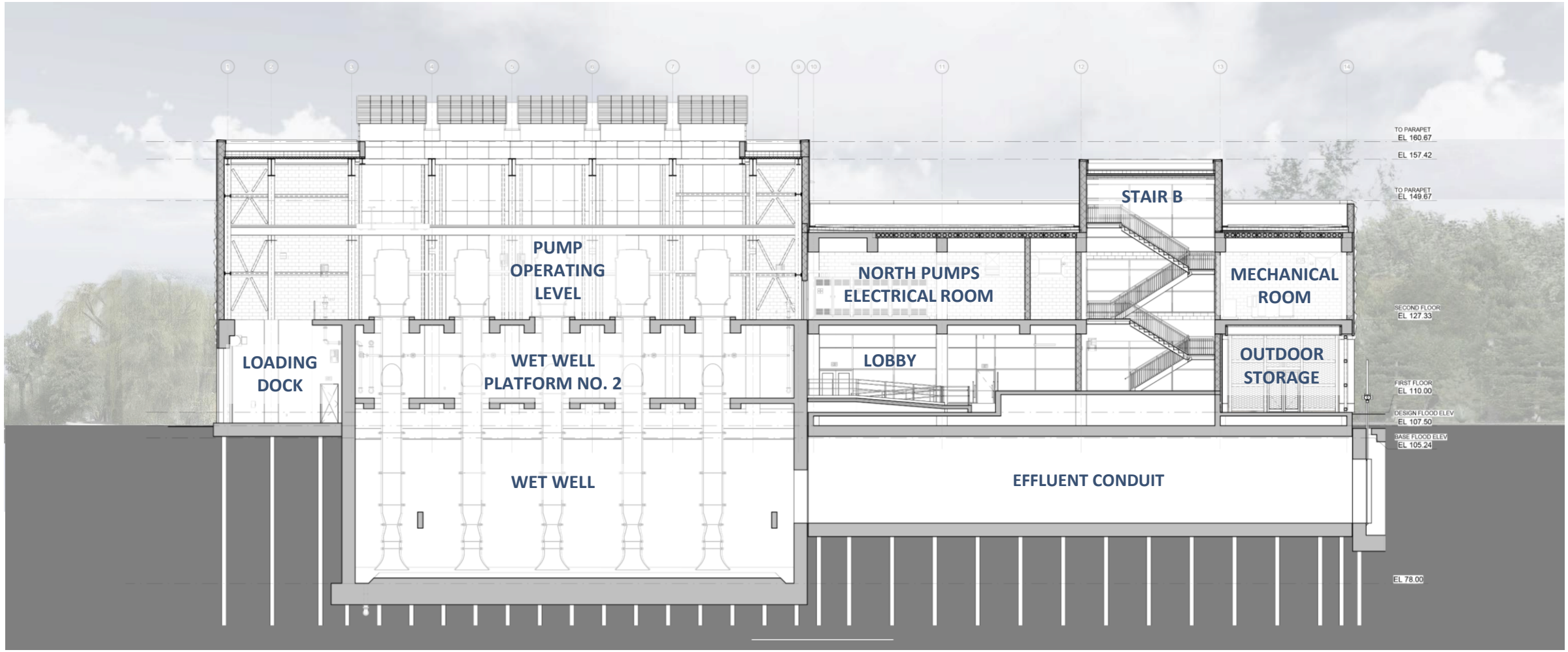
Roof Plan



Stair B Bulkhead Roof Plan

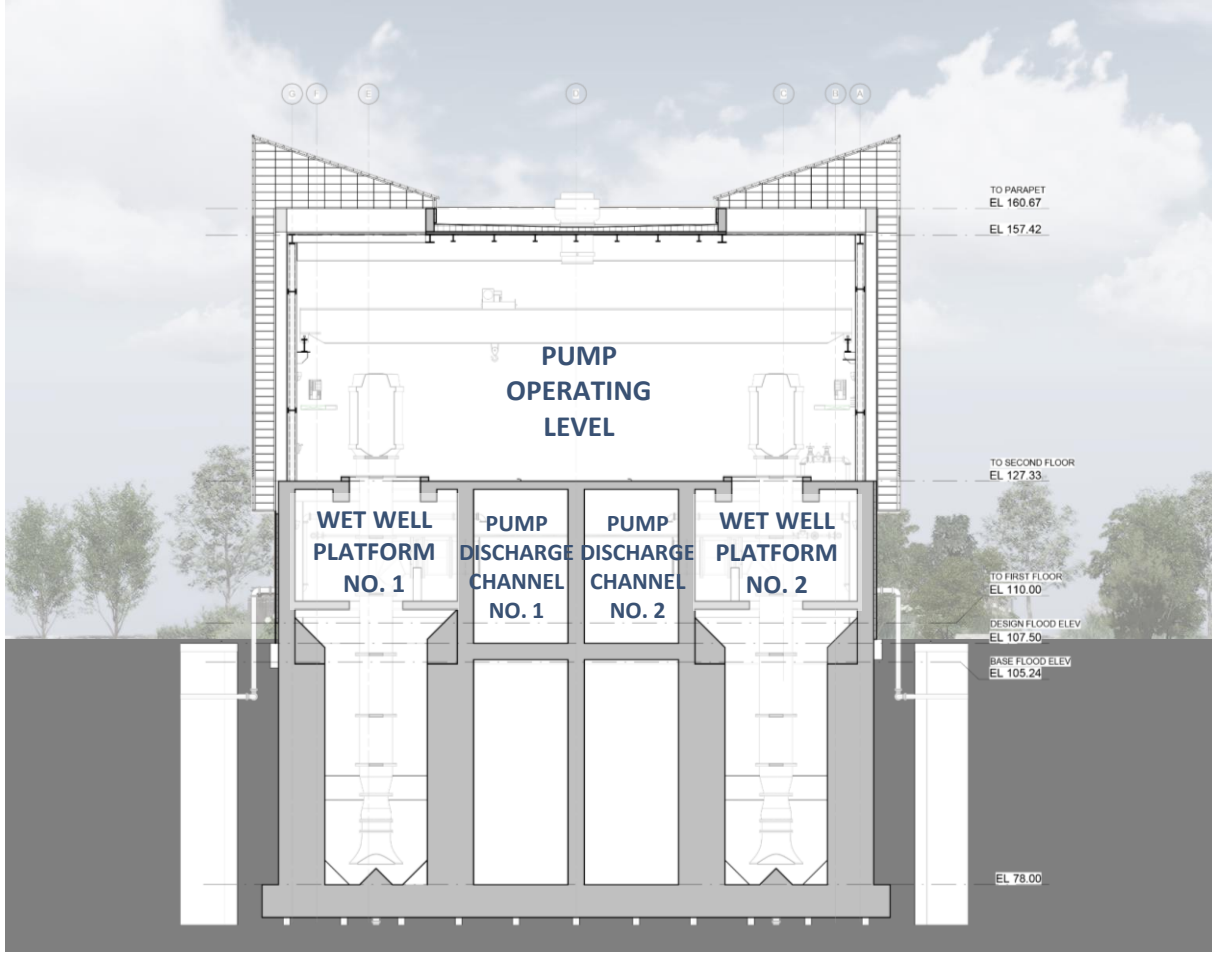
Effluent Pumping Station

Longitudinal Section A-A’

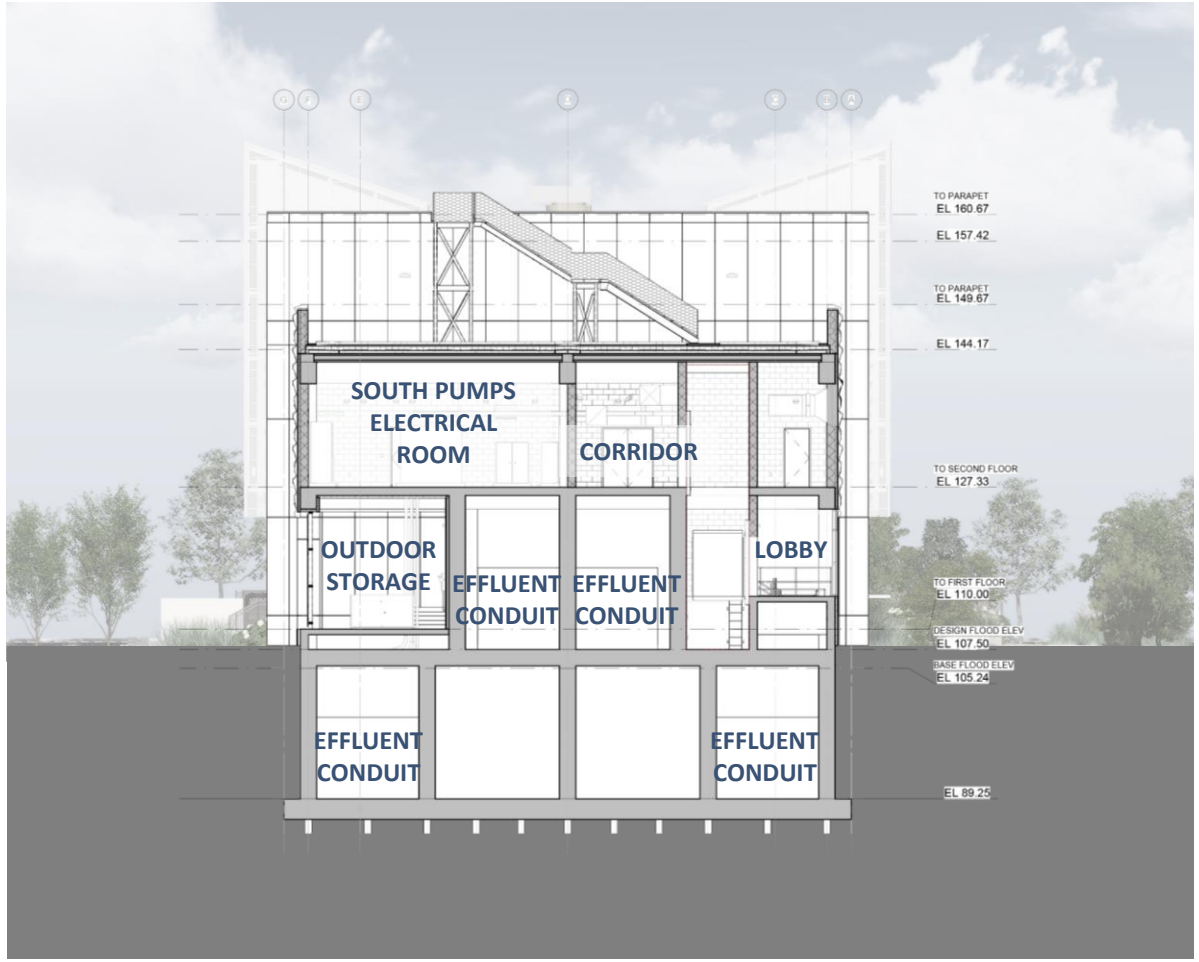


Effluent Pumping Station

Transverse Sections B-B’ & C-C’



Section B-B’



Section C-C’

Effluent Pumping Station

East Elevation

Effluent Pumping Station

North Elevation

Effluent Pumping Station

West Elevation

Effluent Pumping Station

South Elevation

Aerial looking Northwest

Aerial looking Southeast

Site Security along N Delaware Ave

View from N Delaware Ave Looking East

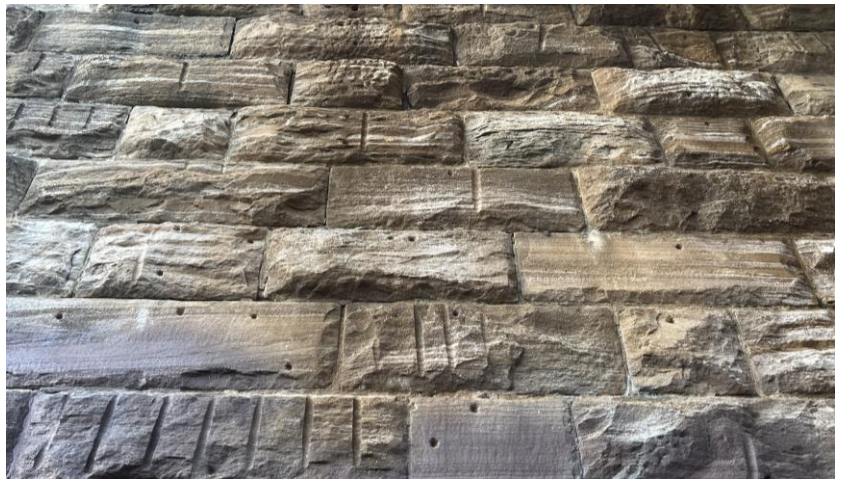
View from N Delaware Ave, looking West

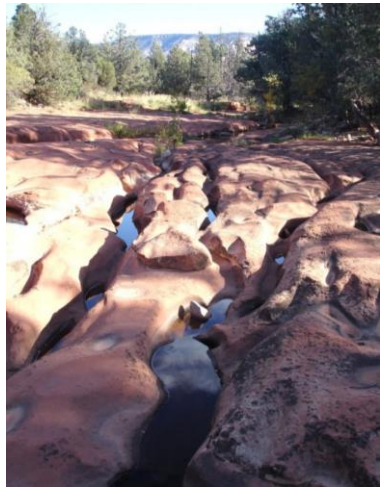
With Constructed Stormwater Wetland from Phase One

View from Fire Department Access Gate

Exterior Architectural Materials

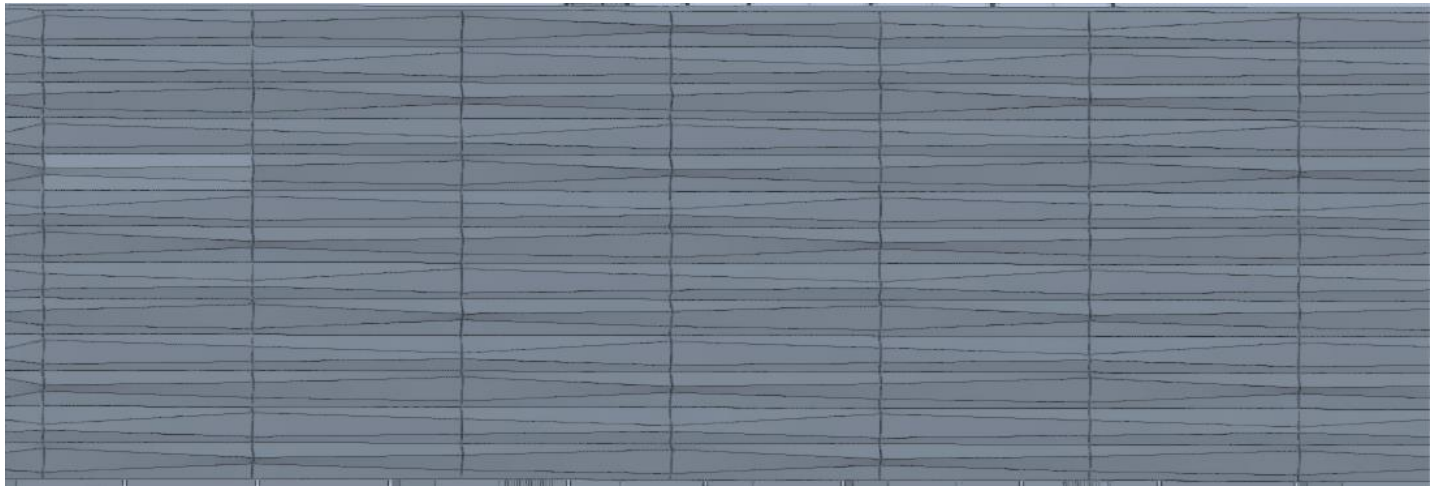
Natural Inspiration

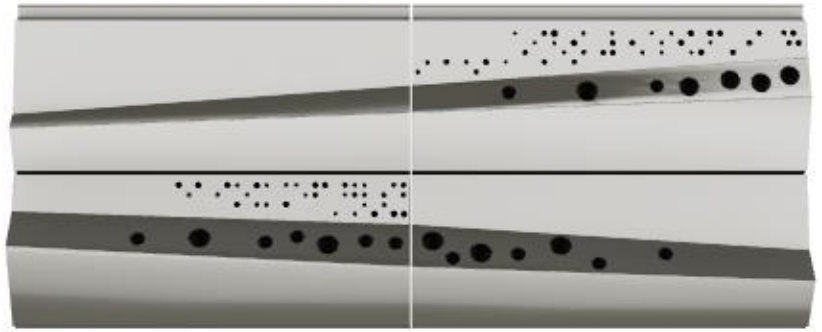


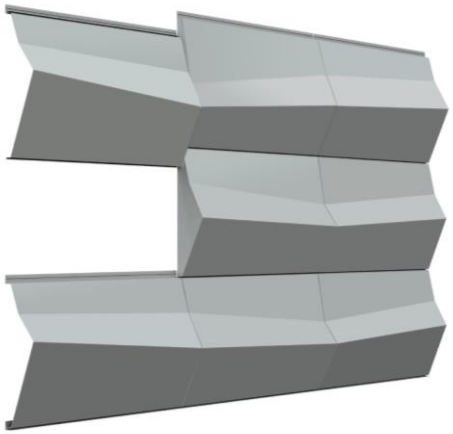


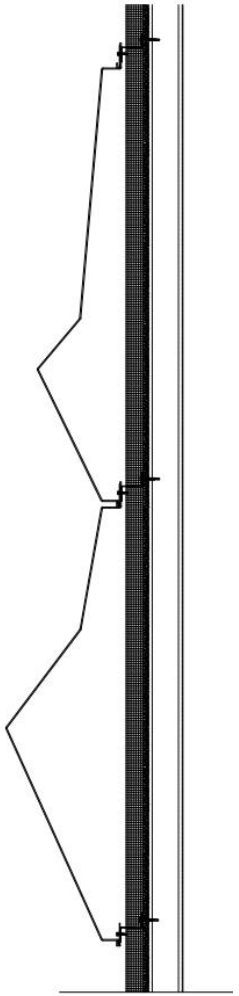
Exterior Architectural Materials

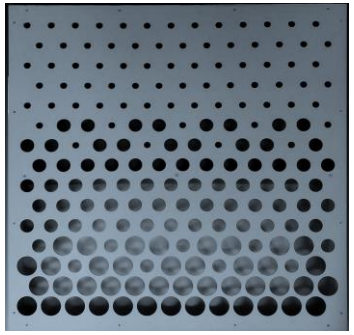
Metal Plate Panels





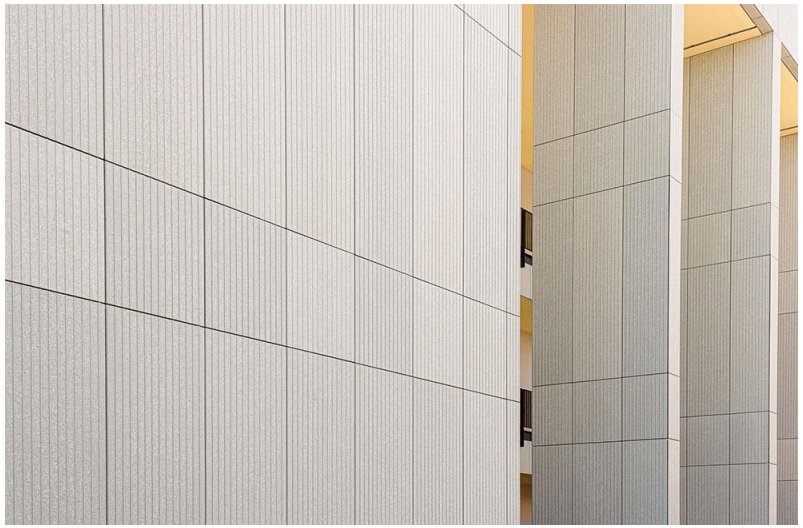


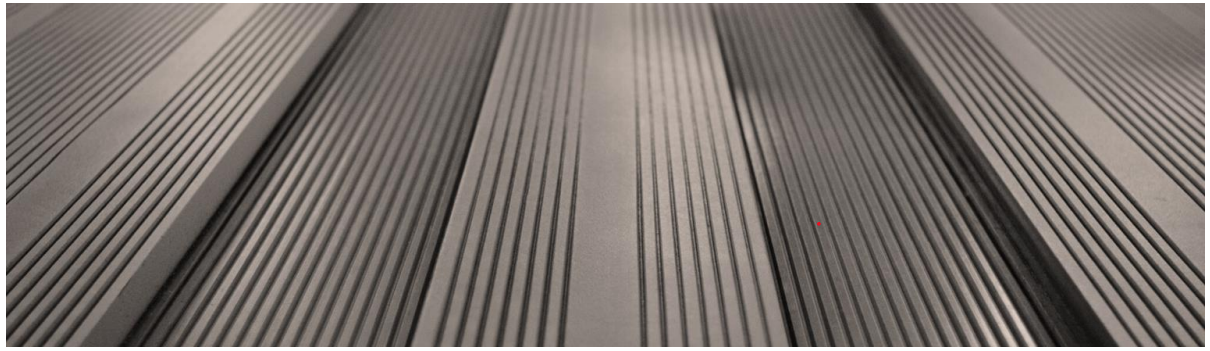


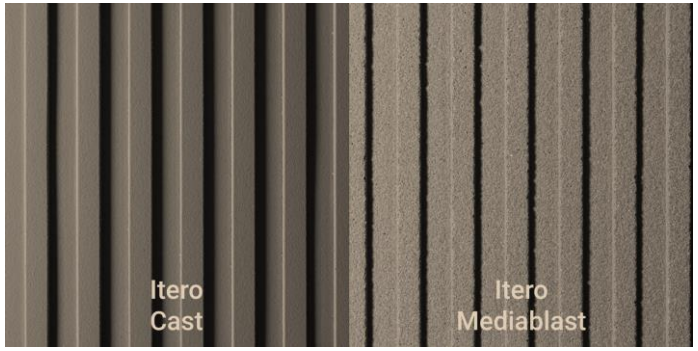


Exterior Architectural Materials

Ultra High Performance Concrete Panels

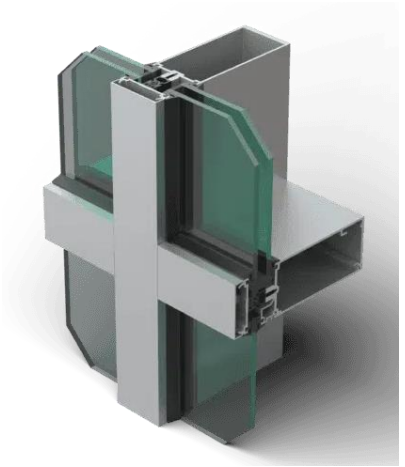






Exterior Architectural Materials

Glazed Aluminum Framed Curtain Wall and Translucent Panel System



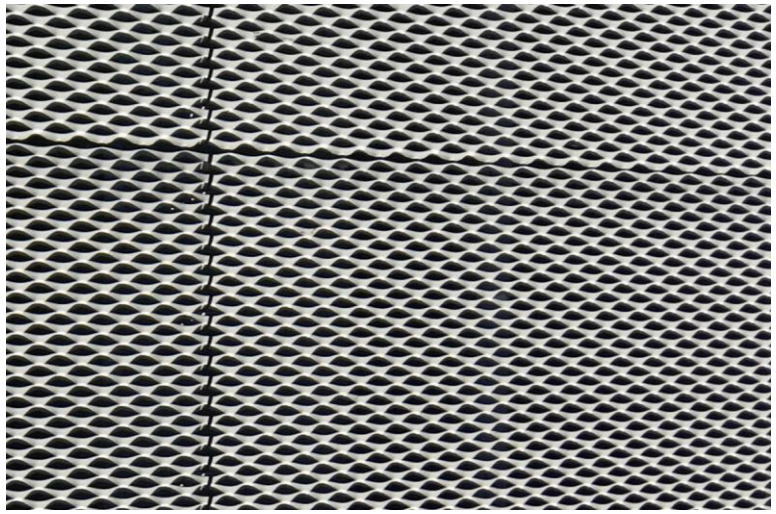
TRANSLUCENT PANEL

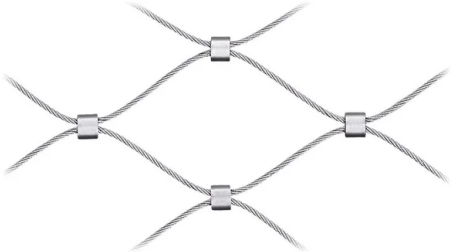
LOUVER

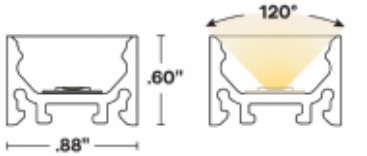
SOLID PANEL

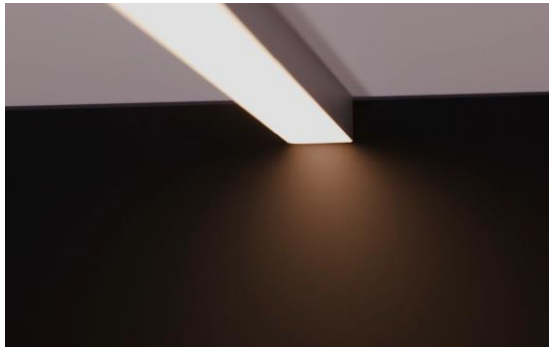
Exterior Architectural Materials

Expanded Mesh Screen, Exterior Lighting and Green Wall System

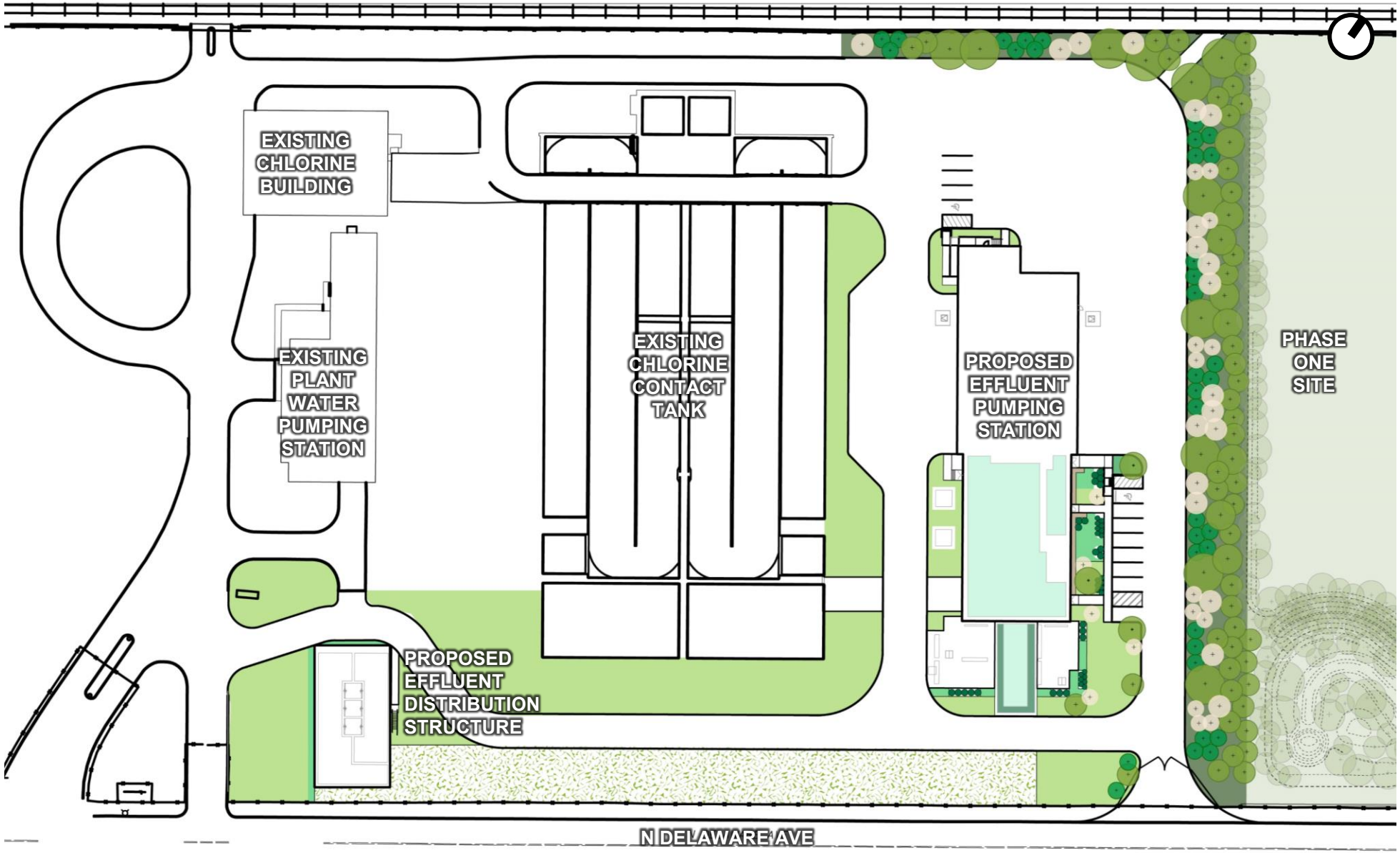








Landscape Plan



LEGEND

- DECIDUOUS TREE
- EVERGREEN TREE
- FLOWERING UNDERSTORY TREE
- LOW-MOW LAWN
- MEADOW SEED MIX
- ORNAMENTAL GRASSES
- MULCH
- SHADE SEED MIX
- EXTENSIVE GREEN ROOF
- SEMI-INTENSIVE GREEN ROOF
- EXISTING SITE – NO CHANGE

60 30 0 60

Landscape

Plant Palette – Green roofs

SEDUMS FOR EXTENSIVE GREEN ROOF ON MAIN BUILDING AND SEMI-INTENSIVE GREEN ROOF ON ABOVE GROUND CONDUIT

Caucasian stonecrop
(Phedimus spurius 'Fuldaglut')

John Creech sedum
(*Phedimus* spurius 'John Creech'*)*

Kamchatka stonecrop
(*Phedimus kamtschaticum)*

Takeshima stonecrop
(*Phedimus takesimensis* 'Golden Carpet'*)*

Aureum golden stonecrop
(*Sedum acre* 'Aureum'*)*

Spanish stonecrop
(*Sedum hispanicum)*

Creeping sedum 'Angelina'
(*Sedum rupestre* 'Angelina'*)*

INTERPLANTED PLUGS FOR SEMI-INTENSIVE GREEN ROOF ON ABOVE GROUND CONDUIT

GRASSES

Little blue stem
(Schizachyrium scoparium)

Prairie dropseed
(Sporobolus heterolepis)

Blue gamma grass
(Bouteloua gracilis)

FORBS

Nodding onion
(Allium cernuum)

Prairie smoke
(Geum triflorum)

'Hubricht's bluestar
(Amsonia hubrichtii)

'Pincusion flower
(Scabiosa coulmbaria 'Pink Mist')

Landscape

Plant Palette – Facility Planting

GROUNDCOVER

Low-mow grass

Meadow mix (1-5' high)

ORNAMENTAL GRASSES

Prairie dropseed
(Sporobolus heterolepis)

Little bluestem
(Schizachyrium scoparium)

Switch grass
(Panicum virgatum)

SHRUBS

Wild hydrangea
(Hydrangea arborescens)

Virginia sweetspire 'Henry's Garnet'
(Itea virginica 'Henry's Garnet')

TREES

Swamp white oak
(Quercus bicolor)

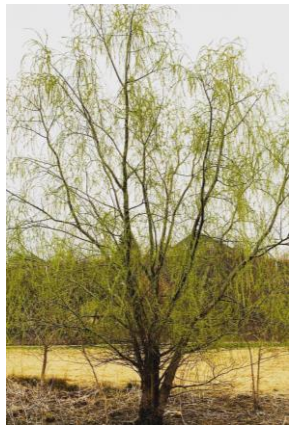
Black cherry
(Prunus serotina)

Flowering Dogwood
(Cornus florida)

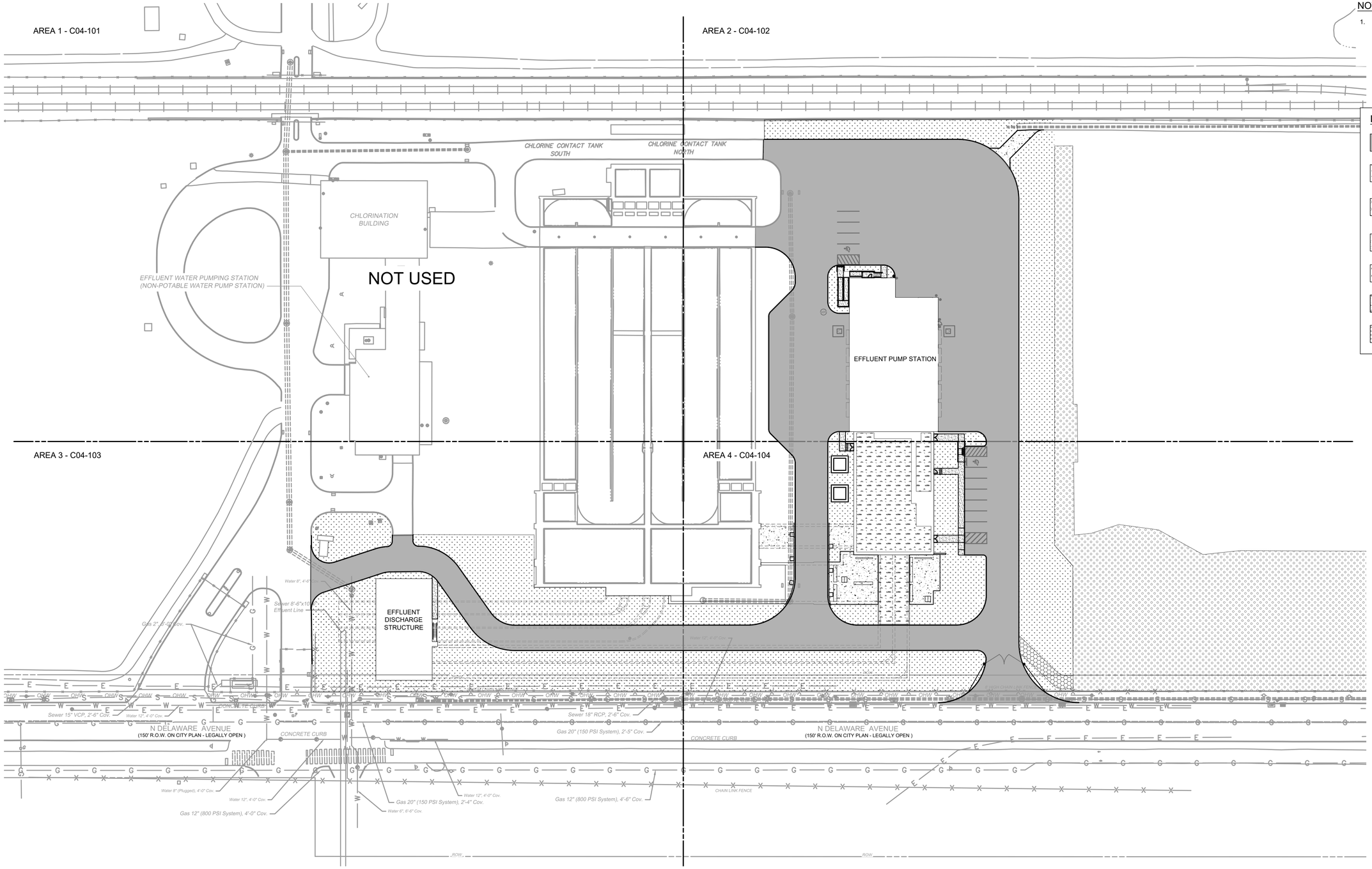
Black gum
(Nyssa sylvatica)

River birch
(Betula nigra)

White pine
(Pinus strobus)



Black willow
(Salix nigra)



NOTES:

1. IMPROVEMENTS ARE PER THE DRAWINGS TITLED "NORTHEAST WPCP EFFLUENT PUMP STATION SITE PREPARATION" PREPARED BY HAZEN AND SAWYER, DATED JUNE 2025. THESE IMPROVEMENTS ARE BEING COMPLETED BY A SEPARATE CONTRACT.

LEGEND

- ASPHALT PAVEMENT
- LANDSCAPE AREA
- IMPROVEMENTS BY SEPARATE CONTRACT (SEE NOTE 1)
- CONCRETE WALKWAY
- GREEN ROOF AREA
- CONCRETE PAVEMENT
- VEGETATED ACCESS ROAD W/ GEOWEB

PLAN
SCALE: 1" = 40'

SCALE: 1" = 40'
40 20 0 40'

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	M. BOTTIN
DESIGNED BY:	A. ANDERSON
DRAWN BY:	J. DOZIER
CHECKED BY:	M. SANTOWASSO
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	0 1/2" 1"

PRELIMINARY DRAWING
DO NOT USE FOR CONSTRUCTION

Hazen

HAZEN AND SAWYER
ONE SOUTH BROAD STREET, SUITE 900
PHILADELPHIA, PA 19107

PHILADELPHIA WATER DEPARTMENT
PHILADELPHIA, PA

NORTHEAST WPCP
EFFLUENT PUMPING STATION

CIVIL

SITE LAYOUT PLAN
OVERALL SITE LAYOUT PLAN

DATE: SEPTEMBER 2025
HAZEN NO.: 90000-022
CONTRACT NO.:
DRAWING NUMBER: C04-001

File: C:\USERS\KCAMPOS\DC\ACCDOCS\HAZEN AND SAWYER\90000-022_EFFLUENT PUMPING STATION AT THE NEWPCP\PROJECT FILES\CP2\CIVIL\C04-001 Saved by JDOZIER Save date: 9/24/2025 10:31 AM
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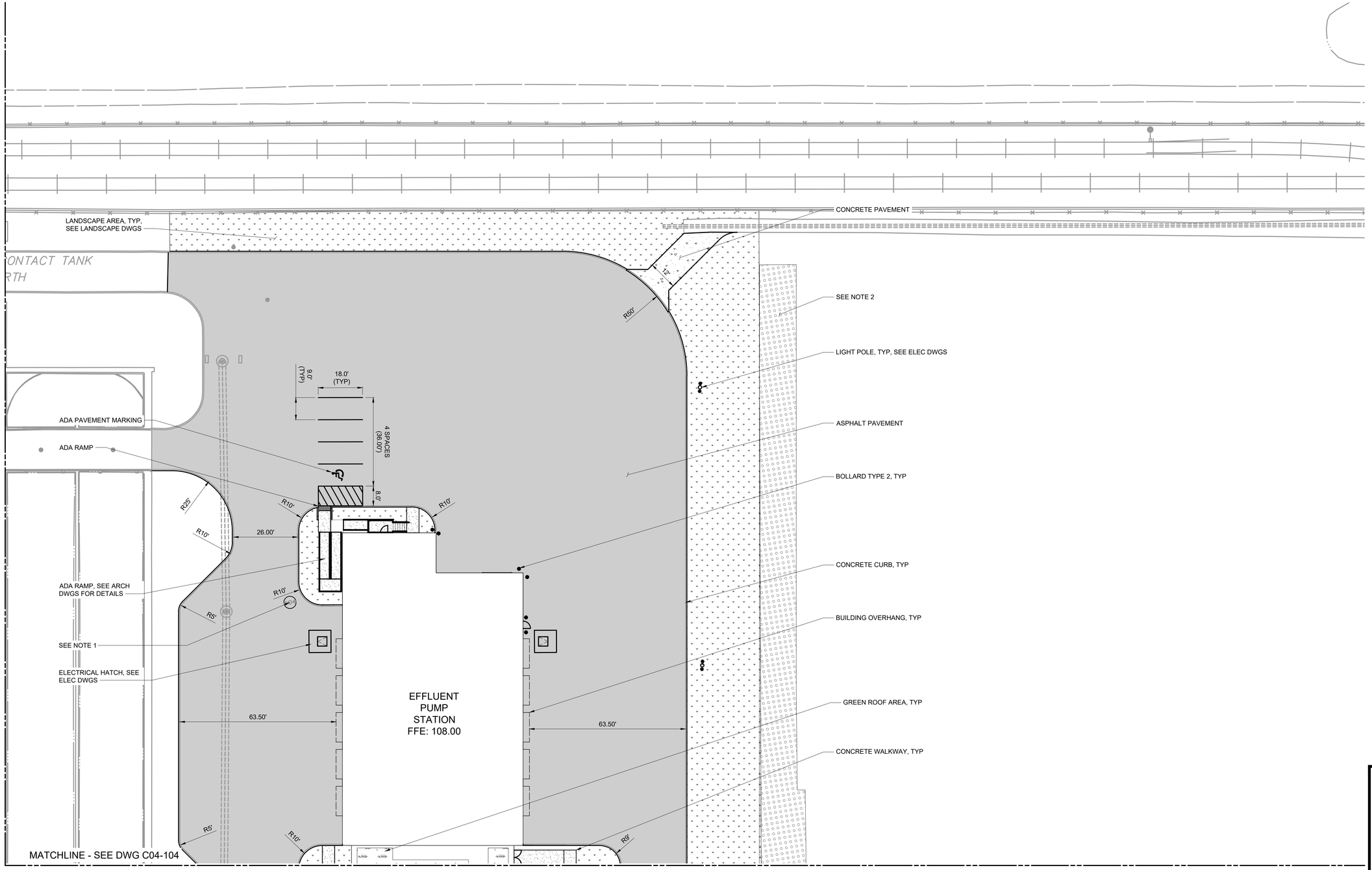

PLAN
SCALE: 1" = 20'

NOTES:

1. EXISTING EXTERIOR LIGHTING AND RELATED DUCT BANKS TO BE RELOCATED.
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LEGEND

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- LANDSCAPE AREA
- IMPROVEMENTS BY SEPARATE CONTRACT (SEE NOTE 2)
- CONCRETE WALKWAY
- GREEN ROOF AREA
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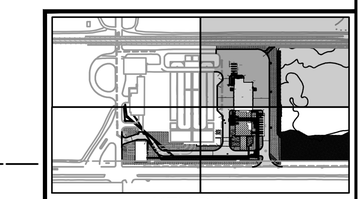
SCALE: 1" = 20'

20 10 0 20'



KEY PLAN
SCALE: 1" = 300'

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	M. BOTTIN
DESIGNED BY:	A. ANDERSON
DRAWN BY:	J. DOZIER
CHECKED BY:	M. SANTOWASSO
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PHILADELPHIA, PA 19107

PHILADELPHIA WATER DEPARTMENT
PHILADELPHIA, PA

NORTHEAST WPCP
EFFLUENT PUMPING STATION

CIVIL

SITE LAYOUT PLAN
AREA 2

DATE:	SEPTEMBER 2025
HAZEN NO.:	90000-022
CONTRACT NO.:	71131
DRAWING NUMBER:	C04-102

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PLOT DATE: 9/24/2025 9:29 AM BY: JDOZIER

EFFLUENT WATER PUMPING STATION (NONPOTABLE WATER PUMP STATION)

CHLORINE CONTACT TANK SOUTH

CHLORINE CONTACT TANK NORTH

ASPHALT PAVEMENT

CONCRETE WALKWAY

R5'

R5'

R15'

20.00'

20.0'

R20'

R20'

R15'

Water 8", 4'-6" Cov.

EX SECURITY GATE

Sewer 8'-6"x10'-0" Effluent Line

Gas 2", 3'-0" Cov.

EFFLUENT DISCHARGE STRUCTURE

EX SECURITY FENCE

ROW

8' HIGH CHAIN LINK FENCE

CONCRETE CURB

Sewer 15" VCP, 2'-6" Cov.

Water 12", 4'-0" Cov.

Sewer 18" RCP, 2'-6" Cov.

LANDSCAPE AREA, TYP, SEE LANDSCAPE DWGS

N DELAWARE AVENUE

(150' R.O.W. ON CITY PLAN - LEGALLY OPEN)

CONCRETE CURB

Gas 20" (150 PSI System), 2'-4" Cov.

EFFLUENT CONDUITS (12.5' x 10.0')

Gas 20" (150 PSI System), 2'-5" Cov.

Water 8" (Plugged), 4'-0" Cov.

Water 12", 4'-0" Cov.

Gas 12" (800 PSI System), 4'-0" Cov.

Water 12", 4'-0" Cov.

Water 6", 6'-6" Cov.

Gas 12" (800 PSI System), 4'-6" Cov.

MATCHLINE - SEE DWG C04-104

LEGEND

- ASPHALT PAVEMENT
- LANDSCAPE AREA
- CONCRETE WALKWAY
- GREEN ROOF AREA
- CONCRETE PAVEMENT

SCALE: 1" = 20'

20 10 0 20'

PLAN

SCALE: 1" = 20'

KEY PLAN

SCALE: 1" = 300'

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PHILADELPHIA WATER DEPARTMENT
PHILADELPHIA, PA

NORTHEAST WPCP
EFFLUENT PUMPING STATION

CIVIL

SITE LAYOUT PLAN
AREA 3

DATE:	SEPTEMBER 2025
HAZEN NO.:	90000-022
CONTRACT NO.:	
DRAWING NUMBER:	C04-103

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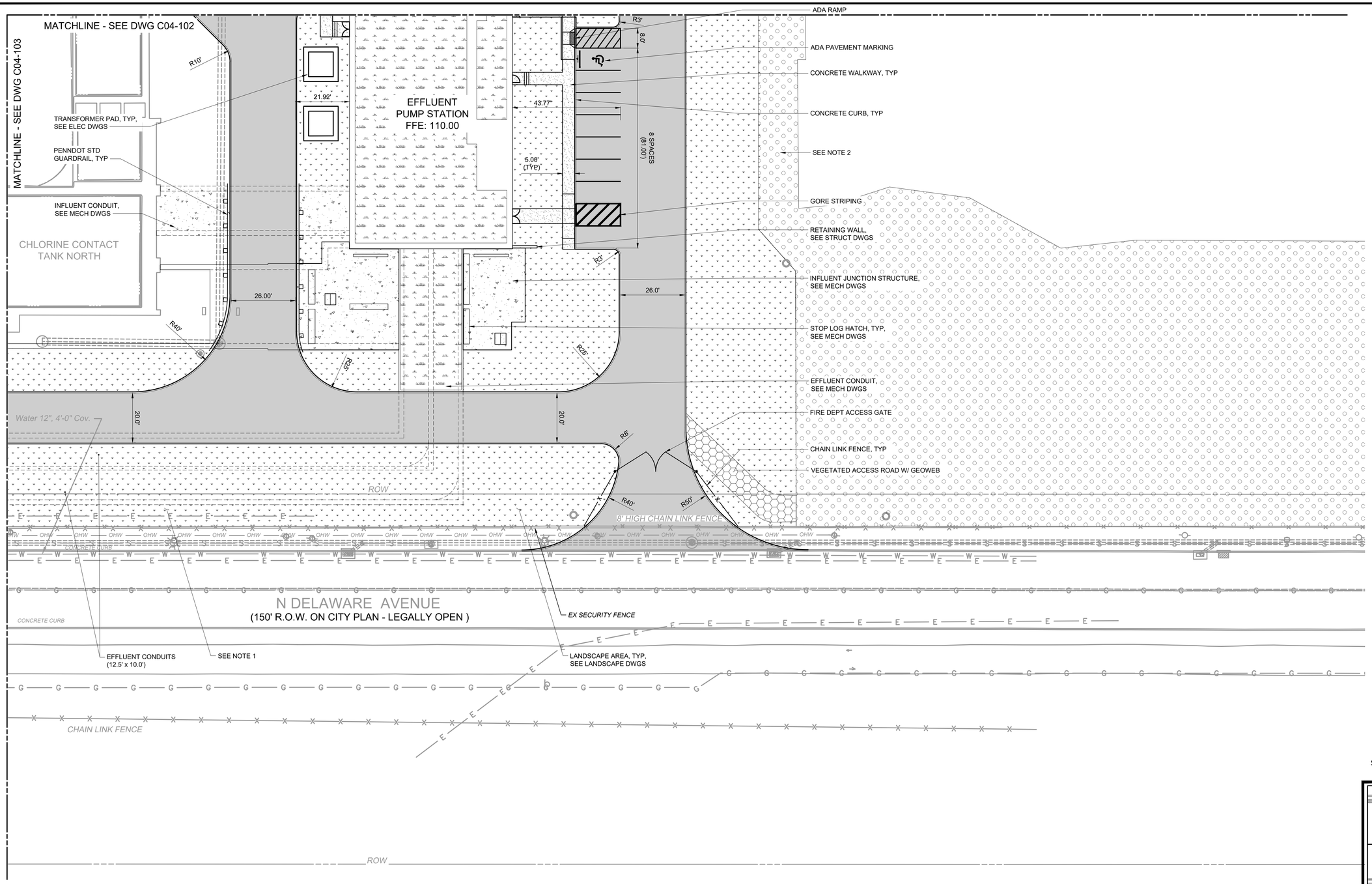

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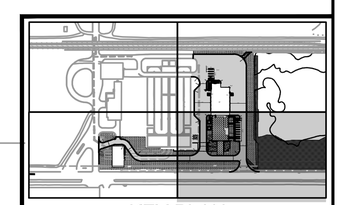
SCALE: 1" = 20'

20 10 0 20'



KEY PLAN
SCALE: 1" = 300'

PLAN
SCALE: 1" = 20'

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	M. BOTTIN
DESIGNED BY:	A. ANDERSON
DRAWN BY:	J. DOZIER
CHECKED BY:	M. SANTOWASSO

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

PRELIMINARY DRAWING DO NOT USE FOR CONSTRUCTION

Hazen

HAZEN AND SAWYER
ONE SOUTH BROAD STREET, SUITE 900
PHILADELPHIA, PA 19107

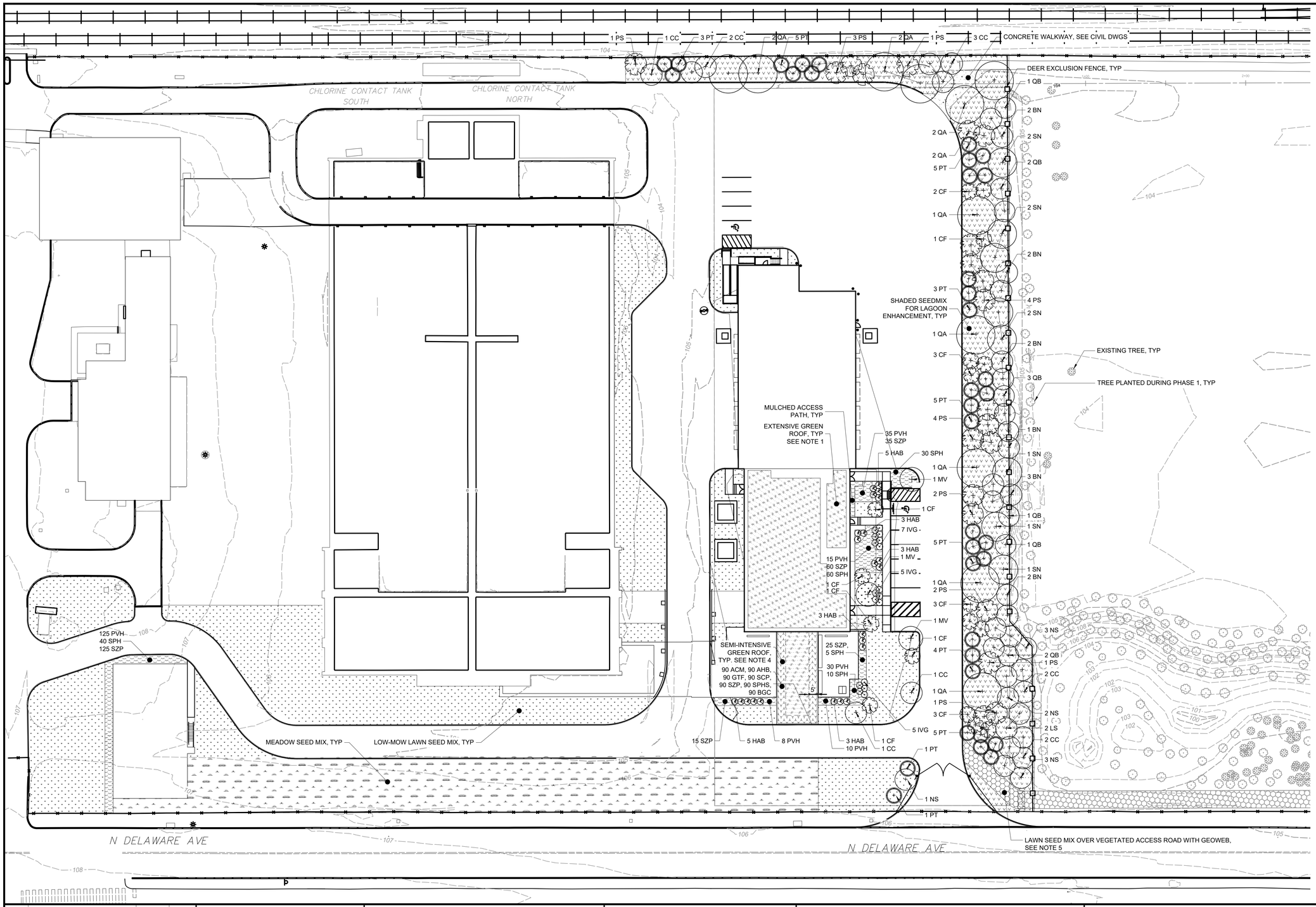
PHILADELPHIA WATER DEPARTMENT
PHILADELPHIA, PA

NORTHEAST WPCP
EFFLUENT PUMPING STATION

CIVIL

SITE LAYOUT PLAN
AREA 4

DATE: SEPTEMBER 2025
HAZEN NO.: 90000-022
CONTRACT NO.:
DRAWING NUMBER: C04-104



NOTES:

1. SEE PLANTING NOTES AND DETAILS ON DWG ######## AND ########.
2. SEE PLANTING AND SEEDING SCHEDULE ON DWG L01-102.
3. TEMPORARY DEER EXCLUSION FENCE TO TIE INTO EXISTING CHAIN LINK FENCE DURING CONSTRUCTION.
4. FOR SEMI-INTENSIVE GREEN ROOF, HERBACEOUS AND GRASS PLANTINGS TO BE INTER-PLANTED ALONG A 5' PERIMETER FROM EDGE OF PARAPET.
5. VEGETATED ACCESS ROAD WITH GEOWEB TO CONNECT WITH EXISTING VEGETATED ACCESS ROAD CONSTRUCTED UNDER A SEPARATE CONTRACT.

LEGEND

- DEER EXCLUSION FENCE
- EXISTING TREE
- TREE PLANTED DURING PHASE 1
- PROPOSED CANOPY TREE
- PROPOSED FLOWERING UNDERSTORY TREE
- PROPOSED EVERGREEN TREE
- LO-MOW SEED LAWN
- MEADOW SEED MIX
- SHADED SEED MIX
- ORNAMENTAL GRASSES
- EXTENSIVE GREEN ROOF
- SEMI-INTENSIVE GREEN ROOF
- LAWN SEED MIX OVER VEGETATED ACCESS ROAD WITH GEOWEB
- CONCRETE WALKWAY

SCALE: 1" = 30'

30' 15' 0 30'

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	M. BOTTIN
DESIGNED BY:	K.CROOKS
DRAWN BY:	K.CROOKS
CHECKED BY:	A.STEIN
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	0 1/2" 1"

PRELIMINARY DRAWING
DO NOT USE FOR CONSTRUCTION

Hazen

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PHILADELPHIA, PA 19107

PHILADELPHIA WATER DEPARTMENT
PHILADELPHIA, PA

NORTHEAST WPCP
EFFLUENT PUMPING STATION

LANDSCAPE

PLANTING PLAN

DATE:	SEPTEMBER 2025
HAZEN NO.:	90000-022
CONTRACT NO.:	
DRAWING NUMBER:	L01-101

File: C:\USERS\KCAMPOS\DC\ACCDOCS\HAZEN AND SAWYER\90000-022_EFFLUENT PUMPING STATION AT THE NEWPCP\PROJECT FILES\CP2\CIVIL\L01-101 Saved by KCROOKS Save date: 9/23/2025 5:38 PM
PLOT DATE: 9/24/2025 9:28 AM BY: KCROOKS

LAGOON ENHANCEMENT:

QUANTITY	SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	FORM	SPACING	COMMENTS
Lagoon Enhancement							
Trees							
12	BN	*Betula nigra*	river birch	#25	cont	as shown	clumping form
11	CC	*Carpinus caroliniana*	American hornbeam	#25	cont	as shown	
13	CF	*Cornus florida*	flowering dogwood	#25	cont	as shown	
9	NS	*Nyssa sylvatica*	black gum	#25	cont	as shown	
34	PT	*Pinus strobus*	white pine	6-7' H	cont	as shown	
21	PS	*Prunus serotina*	black cherry	#25	cont	as shown	
11	QA	*Quercus alba*	white oak	4-5" cal.	B&B	as shown	
10	QB	*Quercus bicolor*	swamp white oak	#25	cont	as shown	
8	SN	*Salix nigra*	black willow	#25	cont	as shown	

SITE PLANTINGS

QUANTITY	SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	FORM	SPACING	COMMENTS
Grasses							
240	PVH	*Panicum virgatum* 'Heavy Metal'	heavy metal switch-grass	#1	cont	1.5' oc	plant in naturalistic clusters of 3, 5, and 7
290	SZP	*Schizachyrium scoparium*	little blue stem	#1	cont	1.5 oc	plant in naturalistic clusters of 3, 5, and 7
100	SPH	*Sporobolus heterolepis*	prairie dropseed	#3	cont	3' oc	plant in naturalistic clusters of 3, 5, and 7
Shrubs							
22	HAB	*Hydrangea arborescens* 'Abetwo'	incrediball smooth hydrangea	#3	cont	as shown	
17	IVG	*Itea virginica* 'Henry's Garnet'	Virginia sweetspire Henry's Garnet	#1	cont	as shown	
Trees							
2	CC	*Carpinus caroliniana*	American hornbeam	#25	cont	as shown	
5	CF	*Cornus florida*	flowering dogwood	#25	cont	as shown	
3	MV	*Magnolia virginiana*	sweet bay magnolia	#15	cont	as shown	Multistem
1	NS	*Nyssa sylvatica*	black gum	#25	cont	as shown	
2	PT	*Pinus strobus*	white pine	6-7' H	cont	as shown	

SEMI-INTENSIVE GREEN ROOF - INTERSPERSED PLANTINGS

QUANTITY	SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	FORM	SPACING	COMMENTS
Herbaceous							
90	ACM	*Allium cernuum*	nodding onion	2"	plug	1' oc	plant in naturalistic clusters of 3, 5, and 7
90	AHB	*Amsonia hubrichtii*	Hubricht's bluestar	2"	plug	1' oc	plant in naturalistic clusters of 3, 5, and 7
90	GTF	*Geum triflorum*	prairie smoke	2"	plug	1' oc	plant in naturalistic clusters of 3, 5, and 7
90	SCP	*Scabiosa coulmbaria* 'Pink Mist'	pincusion flower	2"	plug	1.5 oc	plant in naturalistic clusters of 3, 5, and 7
Grasses							
90	SZP	*Schizachyrium scoparium*	little blue stem	#1	cont	1.5 oc	plant in naturalistic clusters of 3, 5, and 7
90	SPHS	*Sporobolus heterolepis*	prairie dropseed	#1	cont	1.5 oc	plant in naturalistic clusters of 3, 5, and 7
90	BGC	*Bouteloua gracilis*	blue gamma grass	#1	cont	1.5 oc	plant in naturalistic clusters of 3, 5, and 7

SEDUM MAT FOR EXTENSIVE AND SEMI-INTENSIVE GREEN ROOFS (6,635 SF)

Sedum Mat Mix to consist of 12-16 of the following varieties and species

SCIENTIFIC NAME
Phedimus spurius 'Fuldaglut'
Phedimus spurius 'John Creech'
Phedimus spurius 'Red Carpet'
Phedimus kamtschaticum 'Variegatum'
Phedimus kamtschaticum
Phedimus kamtschaticum var. floriferum 'Weihenstephaner Gold'
Phedimus takesimensis 'Golden Carpet'
Phedimus x immergrunchen
Petrosedum subsp. rupestre 'Angelina'
Petrosedum subsp. rupestre 'Blue Spruce'
Sedum acre 'Aureum'
Sedum acre 'Goldmoss'
Sedum album 'Coral Carpet'
Sedum album 'Murale'
Sedum hispanicum
Sedum sexangulare
Sedum stefco
Sedum rupestre 'Angelina'

LOW-MOW LAWN SEED MIX (27,930 SF)

SCIENTIFIC NAME	COMMON NAME	% by wt.
Festuca brevipila	hard fescue	20
Festuca longifolia	blue fescue	15
Festuca ovina	sheep fescue	15
Festuca commutata	chewings fescue	15
Festuca rubra	red fescue	20
Festuca rubra s. rubra	creeping red fescue	15
Seed Lawn Mix at a rate of 260 lbs/acre.		

SHADED SEED MIX FOR LAGOON ENHANCEMENT(15,080 SF)

SCIENTIFIC NAME	COMMON NAME	% by wt.
Elymus virginicus	Virginia wild rye	15
Andropogon virginicus	broom sedge	15
Chasmanthium lativolium	river oats	15
Carex pensylvanica	Pennsylvania sedge	5
Carex scoparia	broom sedge	5
Eurybia divaricata	white wood aster	5
Geranium maculatum	wild geranium	5
Lobelia cardinalis	cardinal flower	5
Maianthemum racemosum	false-Solomon's Seal	5
Rudbeckia laciniata	tall coneflower	5
Solidago bicolor	silver-rod	5
Solidago rugosa	wrinkle-leaf goldenrod	5
Symphyotrichum novae-angliae	New England aster	5
Tiarella cordifolia	foamflower	5
	Total	**100**
Seed Shaded Seed Mix at a rate of 15 lbs/acre and overseed with Cover Crop Seed Mix at a rate of 15 lbs/acre.		

MEADOW SEED MIX (14,240 SF)

SCIENTIFIC NAME	COMMON NAME	% by wt.
Elymus canadensis	Canada wild rye	15
Sporobolus heterolepis	prairie dropseed	15
Schizachyrium scoparium	little bluestem	10
Bouteloua gracilis	blue gamma grass	10
Allium cernuum	nodding pink onion	5
Asclepias incarnata	red milkweed	5
Echinacea purpurea	eastern purple coneflower	5
Eupatorium purpureum	sweet joe pye weed	5
Liatris spicata	dense blazing star	5
Monarda fistulosa	bergamot	5
Rudbeckia hirta	black eyed susan	5
Solidago rugosa	wrinkle-leaf goldenrod	5
Tradescantia virginiana	spiderwort	5
Verbena hastata	blue vervain	5
	Total	**100**
Seed Meadow Seed Mix at a rate of 15 lbs/acre and overseed with Cover Crop Seed Mix at a rate of 15 lbs/acre.		

COVER CROP FOR SHADED AND MEADOW SEED MIX (29,320 SF)

SCIENTIFIC NAME	COMMON NAME
Avena sativa	oats
Seed Cover Crop at a rate of 15 lbs/acre.	

LAWN SEED MIX (540 SF)

SCIENTIFIC NAME	COMMON NAME	% by wt.
Festuca rubra	creeping red fescue	25
Lolium multiflorum	annual ryegrass	25
Lolium perenne , 'Blackstone'	perennial ryegrass, 'Blackstone'	25
Lolium perenee 'Confetti III'	Perennial ryegrass, Confetti III' turf type	25
Seed Lawn Mix at a rate of 150 lbs/acre.		

NOTES:

1. SEDUM MAT IS TO BE USED FOR BOTH EXTENSIVE AND SEMI-INTENSIVE GREEN ROOFS. HERBACEOUS AND GRASSES TO BE PLANTED ON SEMI-INTENSIVE GREEN ROOF AS PER DWG L01-101.

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER: M. BOTTIN
DESIGNED BY: K.CROOKS
DRAWN BY: K.CROOKS
CHECKED BY: A.STEIN
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

PRELIMINARY DRAWING DO NOT USE FOR CONSTRUCTION

Hazen
HAZEN AND SAWYER
ONE SOUTH BROAD STREET, SUITE 900
PHILADELPHIA, PA 19107

PHILADELPHIA WATER DEPARTMENT
PHILADELPHIA, PA

NORTHEAST WPCP
EFFLUENT PUMPING STATION

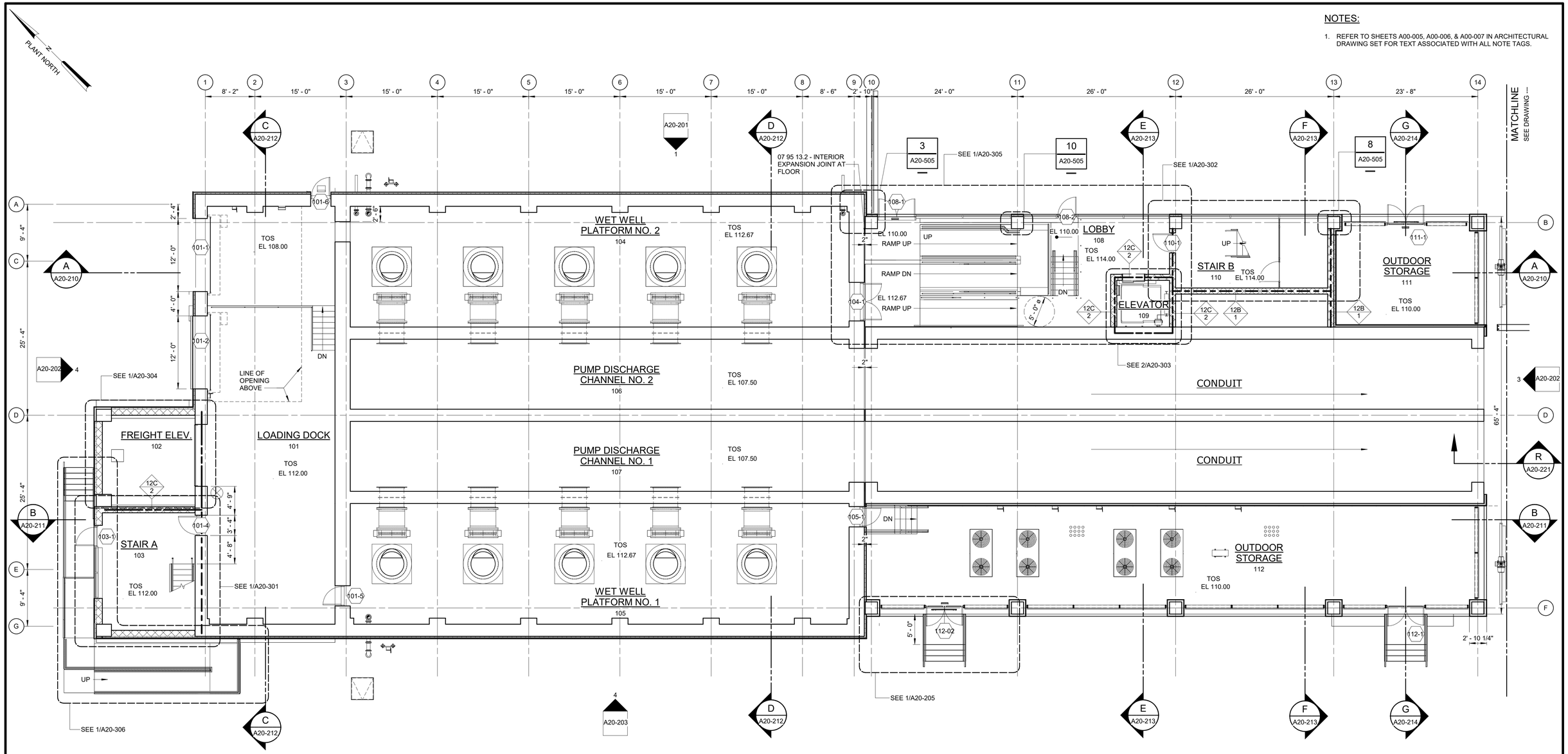
LANDSCAPE

PLANTING AND SEEDING SCHEDULE

DATE: SEPTEMBER 2025
HAZEN NO.: 90000-022
CONTRACT NO.:
DRAWING NUMBER: L01-102

NOTES:

1. REFER TO SHEETS A00-005, A00-006, & A00-007 IN ARCHITECTURAL DRAWING SET FOR TEXT ASSOCIATED WITH ALL NOTE TAGS.



FIRST FLOOR PLAN AT EL 110.00

1/8" = 1'-0"

1/8" = 1'-0"

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	M. BOTTIN
DESIGNED BY:	J. WOJCIESKI
DRAWN BY:	J. MARTINEZ / J.LEE
CHECKED BY:	M. STALLONE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE (0 1/2" 1")

90% SUBMITTAL
PRELIMINARY DRAWING
DO NOT USE FOR CONSTRUCTION

Hazen

HAZEN AND SAWYER
ONE SOUTH BROAD STREET, SUITE 900
PHILADELPHIA, PA 19107

PHILADELPHIA WATER DEPARTMENT
PHILADELPHIA, PA

NORTHEAST WPCP
EFFLUENT PUMPING STATION

ARCHITECTURE

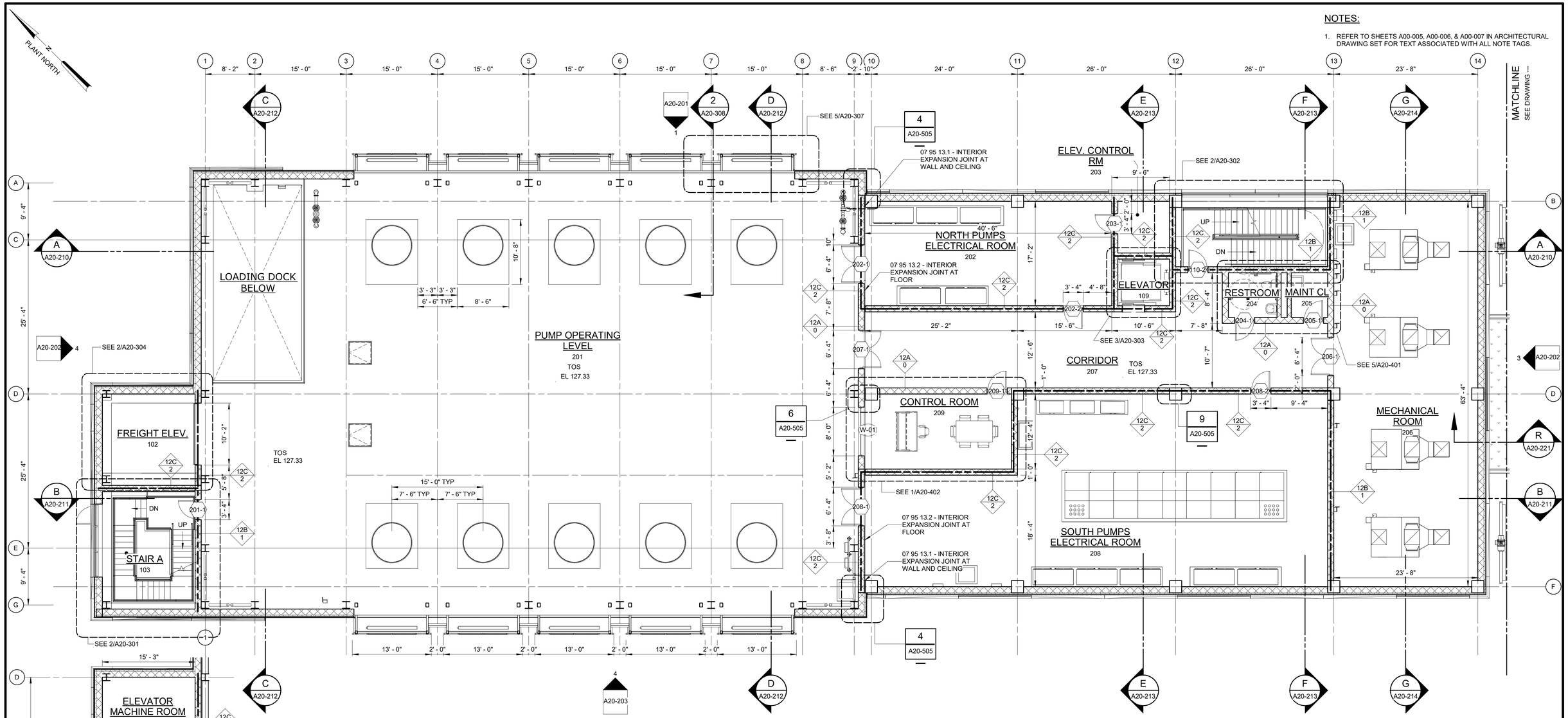
EFFLUENT PUMP STATION
FIRST FLOOR PLAN

DATE:	SEPTEMBER 2025
HAZEN NO.:	90000-022
CONTRACT NO.:	71131
DRAWING NUMBER:	A20-101

Autodesk Docs://90000-022_Effluent Pumping Station at the NEWPCP/90000-022-20-EPS-A.rvt
9/23/2025 2:05:46 PM

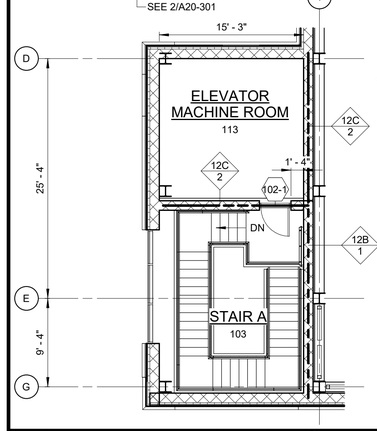
NOTES:

1. REFER TO SHEETS A00-005, A00-006, & A00-007 IN ARCHITECTURAL DRAWING SET FOR TEXT ASSOCIATED WITH ALL NOTE TAGS.



SECOND FLOOR PLAN AT EL 127.33

1/8" = 1'-0"



PARTIAL PLAN AT EL 148.00

1/8" = 1'-0"

1/8" = 1'-0"

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	M. BOTTIN
DESIGNED BY:	J. WOJCIESKI
DRAWN BY:	J. MARTINEZ / J.LEE
CHECKED BY:	M. STALLONE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

90% SUBMITTAL
PRELIMINARY DRAWING
DO NOT USE FOR CONSTRUCTION

Hazen

HAZEN AND SAWYER
ONE SOUTH BROAD STREET, SUITE 900
PHILADELPHIA, PA 19107

PHILADELPHIA WATER DEPARTMENT
PHILADELPHIA, PA

NORTHEAST WPCP
EFFLUENT PUMPING STATION

ARCHITECTURE

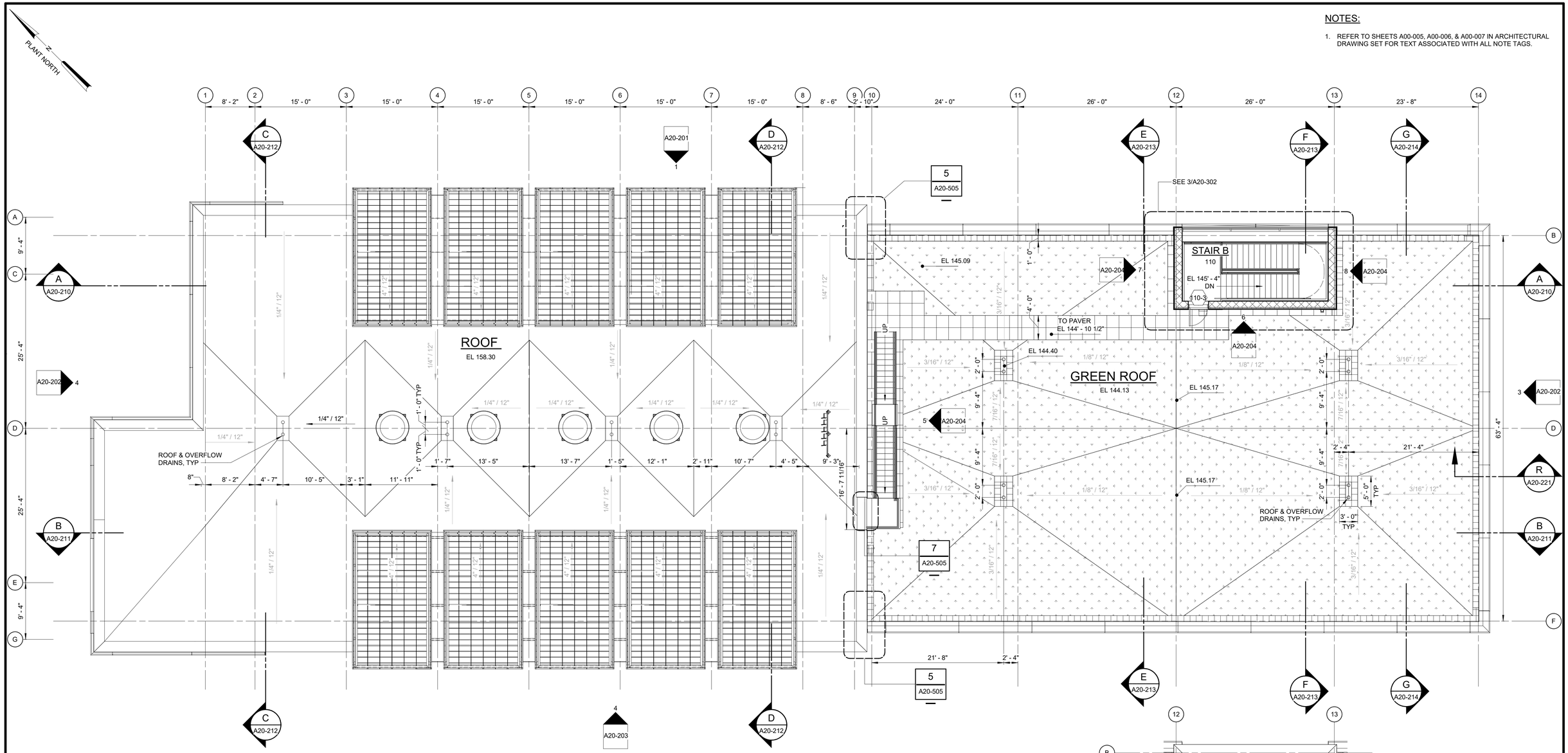
EFFLUENT PUMP STATION
SECOND FLOOR PLAN

DATE:	SEPTEMBER 2025
HAZEN NO.:	90000-022
CONTRACT NO.:	71131
DRAWING NUMBER:	A20-102

Autodesk Docs://90000-022_Effluent Pumping Station at the NEWPCP/90000-022-20-EPS-A.rvt
9/23/2025 2:05:48 PM

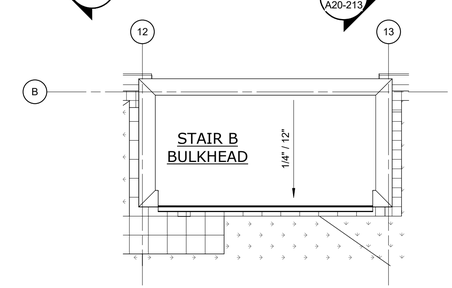
NOTES:

1. REFER TO SHEETS A00-005, A00-006, & A00-007 IN ARCHITECTURAL DRAWING SET FOR TEXT ASSOCIATED WITH ALL NOTE TAGS.



ROOF PLAN AT EL 157.83 & 143.67

1/8" = 1'-0"



STAIR B BULKHEAD ROOF PLAN

1/8" = 1'-0"

1/8" = 1'-0"

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	M. BOTTIN
DESIGNED BY:	J. WOJCIESKI
DRAWN BY:	J. MARTINEZ / J.LEE
CHECKED BY:	M. STALLONE
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	0 1/2" 1"

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PRELIMINARY DRAWING
DO NOT USE FOR CONSTRUCTION

Hazen

HAZEN AND SAWYER
ONE SOUTH BROAD STREET, SUITE 900
PHILADELPHIA, PA 19107

PHILADELPHIA WATER DEPARTMENT
PHILADELPHIA, PA

NORTHEAST WPCP
EFFLUENT PUMPING STATION

ARCHITECTURE

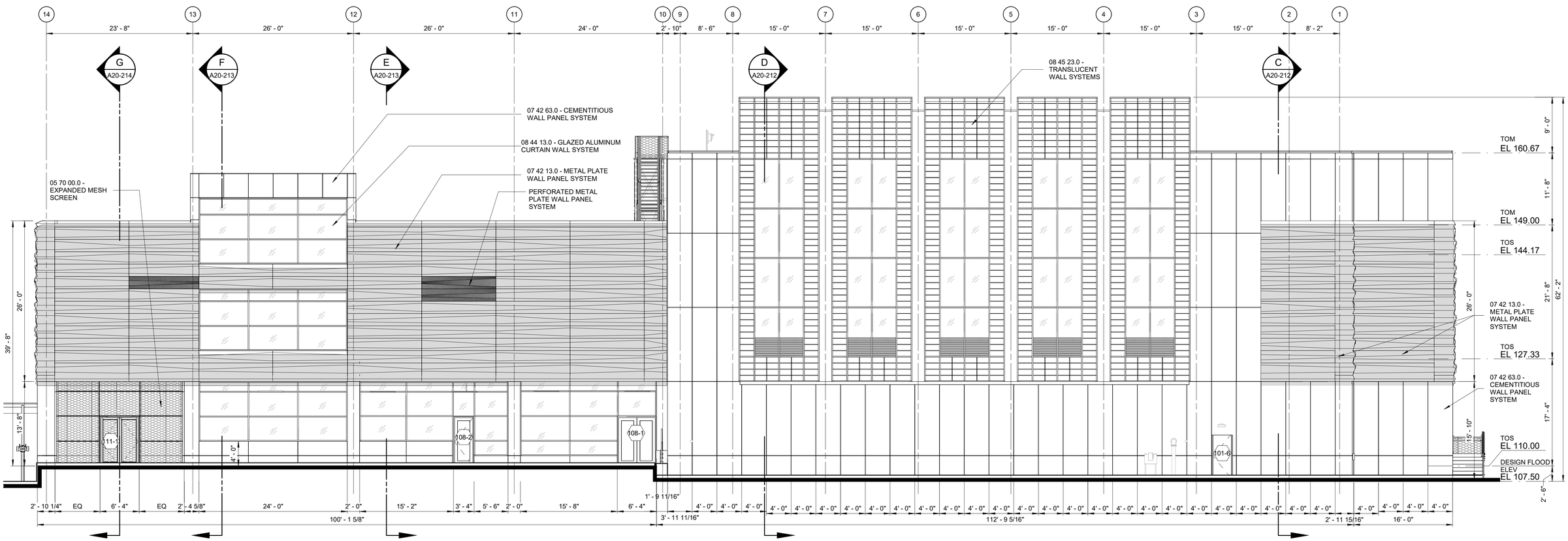
EFFLUENT PUMP STATION
ROOF PLAN

DATE:	SEPTEMBER 2025
HAZEN NO.:	90000-022
CONTRACT NO.:	71131
DRAWING NUMBER:	A20-103

Autodesk Docs://90000-022_Effluent Pumping Station at the NEWPCP/90000-022-20-EPS-A.rvt
9/23/2025 2:05:51 PM

NOTES:

1. REFER TO SHEETS A00-005, A00-006, & A00-007 IN ARCHITECTURAL DRAWING SET FOR TEXT ASSOCIATED WITH ALL NOTE TAGS.



EAST

ELEVATION 1

1/8" = 1'-0" A20-101

1/8" = 1'-0"

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	M. BOTTIN
DESIGNED BY:	J. WOJCIESKI
DRAWN BY:	J. MARTINEZ / J.LEE
CHECKED BY:	M. STALLONE
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	0 1/2" 1"

90% SUBMITTAL
PRELIMINARY DRAWING
DO NOT USE FOR CONSTRUCTION

Hazen

HAZEN AND SAWYER
ONE SOUTH BROAD STREET, SUITE 900
PHILADELPHIA, PA 19107

PHILADELPHIA WATER DEPARTMENT
PHILADELPHIA, PA

NORTHEAST WPCP
EFFLUENT PUMPING STATION

ARCHITECTURE

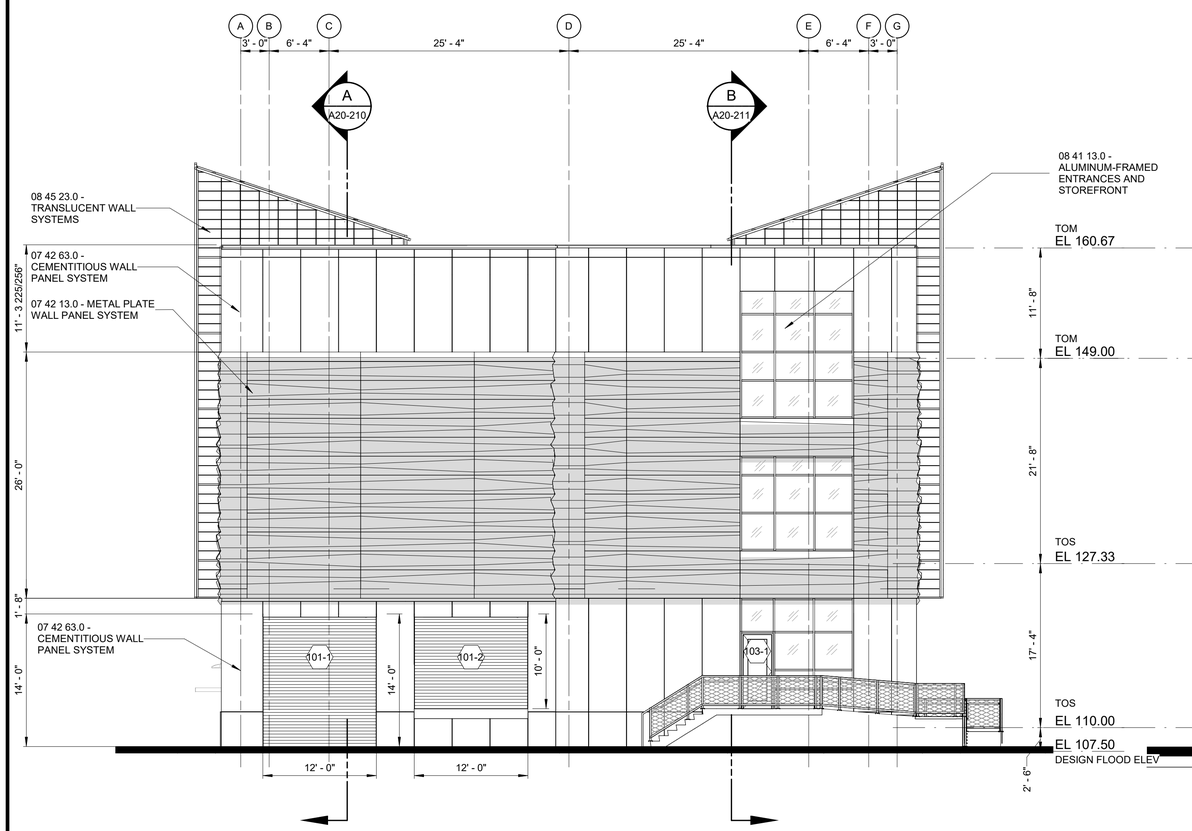
EFFLUENT PUMP STATION
EXTERIOR ELEVATIONS - SHEET 1

DATE:	SEPTEMBER 2025
HAZEN NO.:	90000-022
CONTRACT NO.:	71131
DRAWING NUMBER:	A20-201

Autodesk Docs://90000-022_Effluent Pumping Station at the NEWPCP/90000-022-20-EPS-A.rvt
9/23/2025 2:05:55 PM

NOTES:

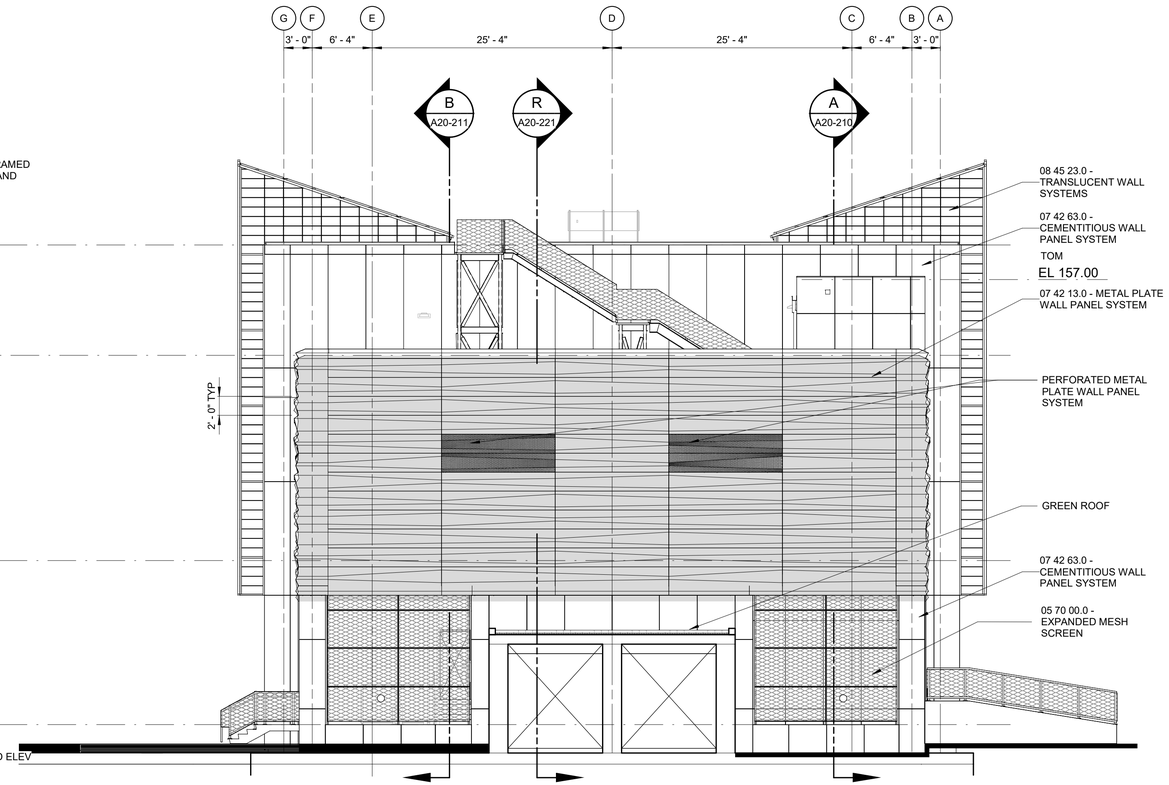
1. REFER TO SHEETS A00-005, A00-006, & A00-007 IN ARCHITECTURAL DRAWING SET FOR TEXT ASSOCIATED WITH ALL NOTE TAGS.



NORTH

ELEVATION 4

1/8" = 1'-0" A20-101



SOUTH

ELEVATION 3

1/8" = 1'-0" A20-101

1/8" = 1'-0" 8 6 4 2 0 8'

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	M. BOTTIN
DESIGNED BY:	J. WOJCIESKI
DRAWN BY:	J. MARTINEZ / J.LEE
CHECKED BY:	M. STALLONE
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	0 1/2" 1"

90% SUBMITTAL
PRELIMINARY DRAWING
DO NOT USE FOR CONSTRUCTION

Hazen

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ONE SOUTH BROAD STREET, SUITE 900
PHILADELPHIA, PA 19107

PHILADELPHIA WATER DEPARTMENT
PHILADELPHIA, PA

NORTHEAST WPCP
EFFLUENT PUMPING STATION

ARCHITECTURE

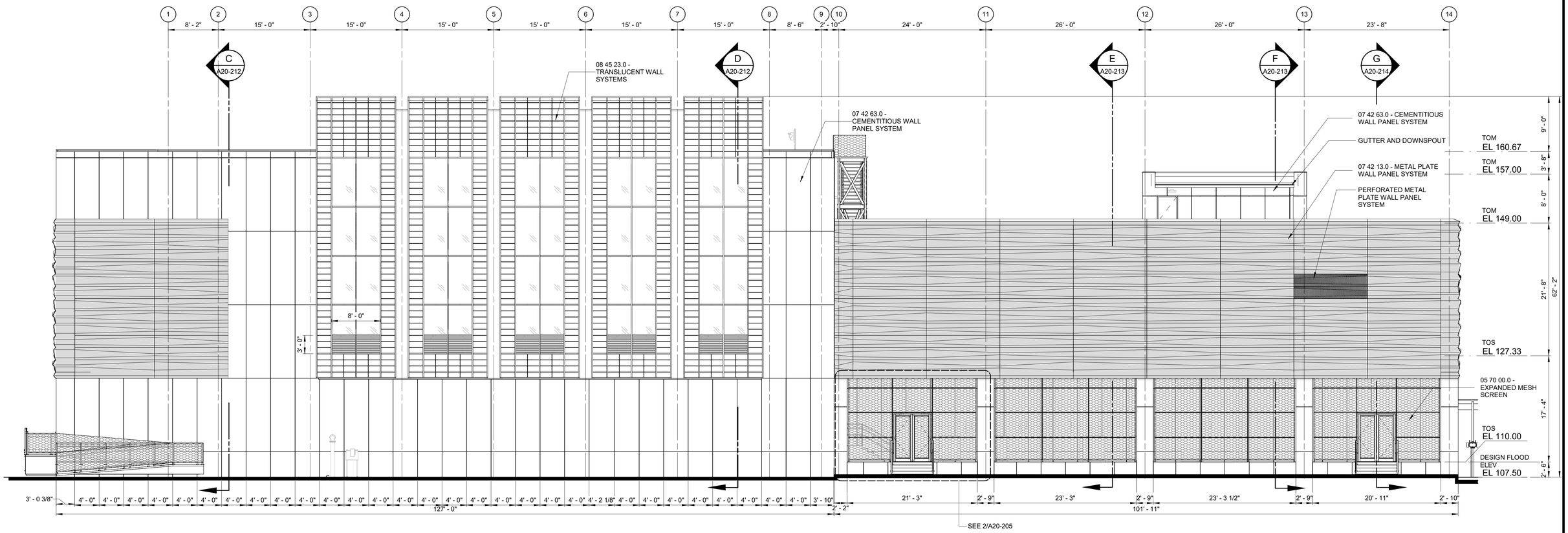
EFFLUENT PUMP STATION
EXTERIOR ELEVATIONS - SHEET 2

DATE:	SEPTEMBER 2025
HAZEN NO.:	90000-022
CONTRACT NO.:	71131
DRAWING NUMBER:	A20-202

Autodesk Docs://90000-022_Effluent Pumping Station at the NEWPCP/90000-022-20-EPS-A.rvt
9/23/2025 2:05:59 PM

NOTES:

1. REFER TO SHEETS A00-005, A00-006, & A00-007 IN ARCHITECTURAL DRAWING SET FOR TEXT ASSOCIATED WITH ALL NOTE TAGS.



WEST

ELEVATION 4

1/8" = 1'-0" A20-101

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	M. BOTTIN
DESIGNED BY:	J. WOJCIESKI
DRAWN BY:	J. MARTINEZ / J.LEE
CHECKED BY:	M. STALLONE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

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PRELIMINARY DRAWING
DO NOT USE FOR CONSTRUCTION

Hazen

HAZEN AND SAWYER
ONE SOUTH BROAD STREET, SUITE 900
PHILADELPHIA, PA 19107

PHILADELPHIA WATER DEPARTMENT
PHILADELPHIA, PA

NORTHEAST WPCP
EFFLUENT PUMPING STATION

ARCHITECTURE

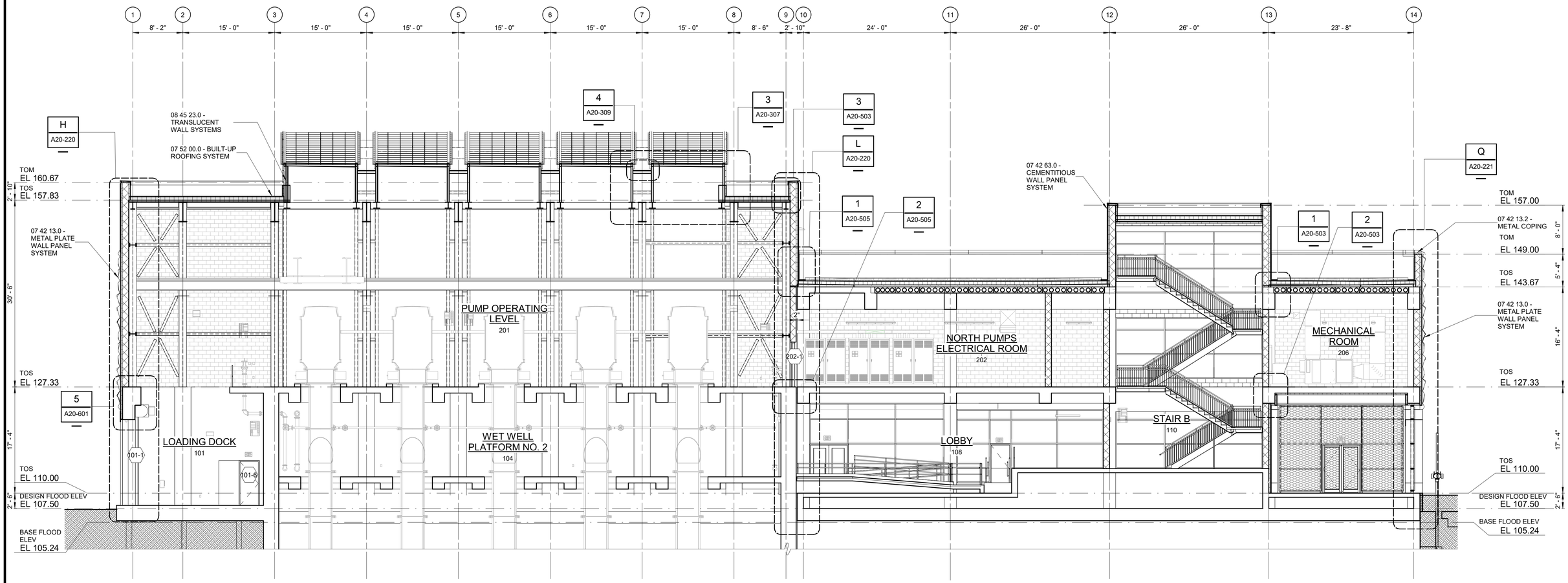
EFFLUENT PUMP STATION
EXTERIOR ELEVATIONS - SHEET 3

DATE:	SEPTEMBER 2025
HAZEN NO.:	90000-022
CONTRACT NO.:	71131
DRAWING NUMBER:	A20-203

Autodesk Docs://90000-022_Effluent Pumping Station at the NEWPCP/90000-022-20-EPS-A.rvt
9/23/2025 2:06:03 PM

NOTES:

1. REFER TO SHEETS A00-005, A00-006, & A00-007 IN ARCHITECTURAL DRAWING SET FOR TEXT ASSOCIATED WITH ALL NOTE TAGS.



SECTION A A20-101
1/8" = 1'-0"

1/8" = 1'-0" 8 6 4 2 0 8'

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	M. BOTTIN
DESIGNED BY:	J. WOJCIESKI
DRAWN BY:	J. MARTINEZ / J.LEE
CHECKED BY:	M. STALLONE
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	0 1/2" 1"

90% SUBMITTAL
PRELIMINARY DRAWING
DO NOT USE FOR CONSTRUCTION

Hazen

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ONE SOUTH BROAD STREET, SUITE 900
PHILADELPHIA, PA 19107

PHILADELPHIA WATER DEPARTMENT
PHILADELPHIA, PA

NORTHEAST WPCP
EFFLUENT PUMPING STATION

ARCHITECTURE

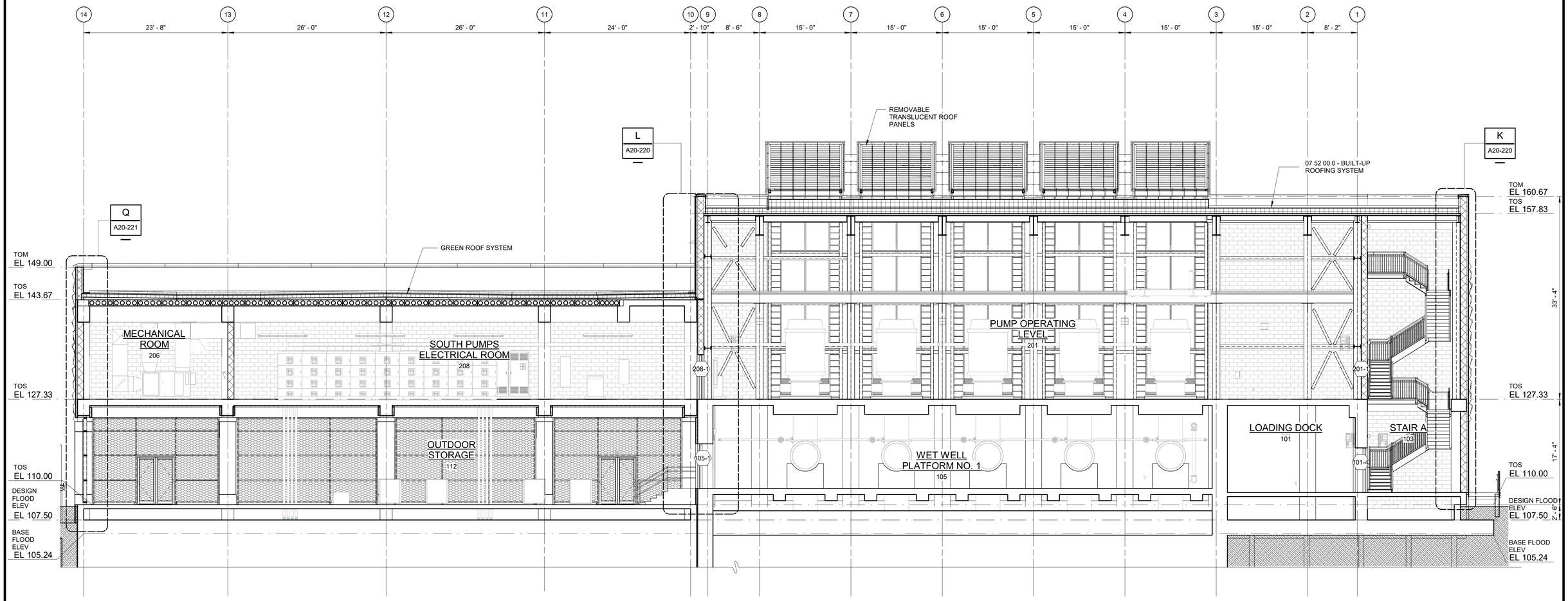
EFFLUENT PUMP STATION
BUILDING SECTIONS - SHEET 1

DATE:	SEPTEMBER 2025
HAZEN NO.:	90000-022
CONTRACT NO.:	71131
DRAWING NUMBER:	A20-210

Autodesk Docs://90000-022_Effluent Pumping Station at the NEWPCP/90000-022-20-EPS-A.rvt
9/23/2025 2:06:06 PM

NOTES:

1. REFER TO SHEETS A00-005, A00-006, & A00-007 IN ARCHITECTURAL DRAWING SET FOR TEXT ASSOCIATED WITH ALL NOTE TAGS.



SECTION B / A20-101

1/8" = 1'-0"

1/8" = 1'-0" 8 6 4 2 0 8'

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	M. BOTTIN
DESIGNED BY:	J. WOJCIESKI
DRAWN BY:	J. MARTINEZ / J.LEE
CHECKED BY:	M. STALLONE
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	0 1/2" 1"

90% SUBMITTAL
PRELIMINARY DRAWING
DO NOT USE FOR CONSTRUCTION

Hazen

HAZEN AND SAWYER
ONE SOUTH BROAD STREET, SUITE 900
PHILADELPHIA, PA 19107

PHILADELPHIA WATER DEPARTMENT
PHILADELPHIA, PA

NORTHEAST WPCP
EFFLUENT PUMPING STATION

ARCHITECTURE

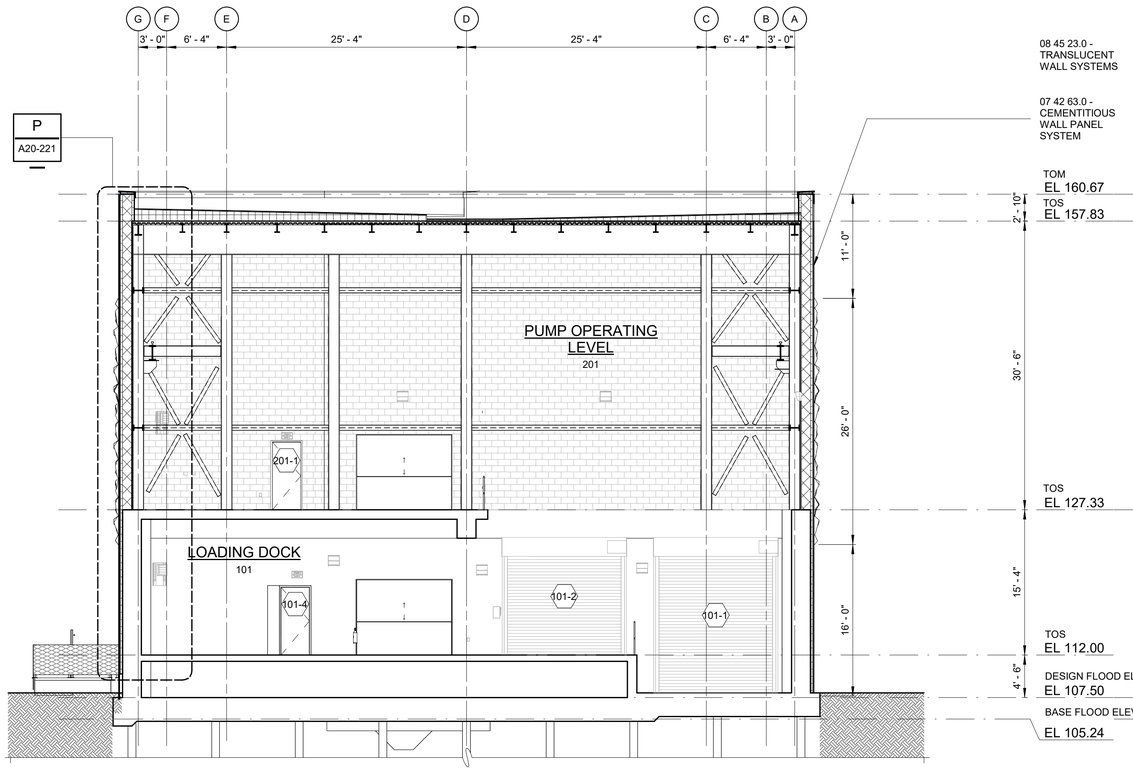
EFFLUENT PUMP STATION
BUILDING SECTIONS - SHEET 2

DATE:	SEPTEMBER 2025
HAZEN NO.:	90000-022
CONTRACT NO.:	71131
DRAWING NUMBER:	A20-211

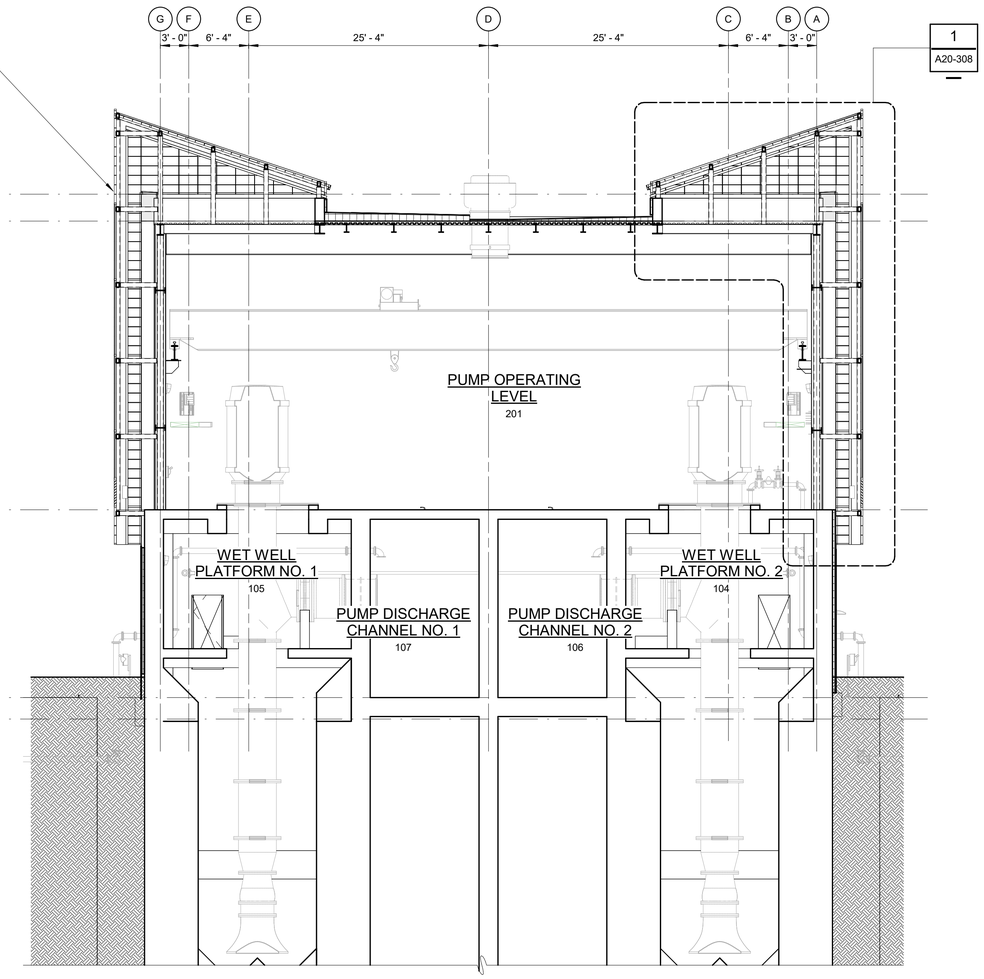
Autodesk Docs://90000-022_Effluent Pumping Station at the NEWPCP/90000-022-20-EPS-A.rvt
9/23/2025 2:06:10 PM

NOTES:

1. REFER TO SHEETS A00-005, A00-006, & A00-007 IN ARCHITECTURAL DRAWING SET FOR TEXT ASSOCIATED WITH ALL NOTE TAGS.



SECTION C A20-101
1/8" = 1'-0"



SECTION D A20-101
1/8" = 1'-0"

1/8" = 1'-0" 8 6 4 2 0 8'

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	M. BOTTIN
DESIGNED BY:	J. WOJCIESKI
DRAWN BY:	J. MARTINEZ / J.LEE
CHECKED BY:	M. STALLONE
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	0 1/2" 1"

90% SUBMITTAL
PRELIMINARY DRAWING
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HAZEN AND SAWYER
ONE SOUTH BROAD STREET, SUITE 900
PHILADELPHIA, PA 19107

PHILADELPHIA WATER DEPARTMENT
PHILADELPHIA, PA

NORTHEAST WPCP
EFFLUENT PUMPING STATION

ARCHITECTURE

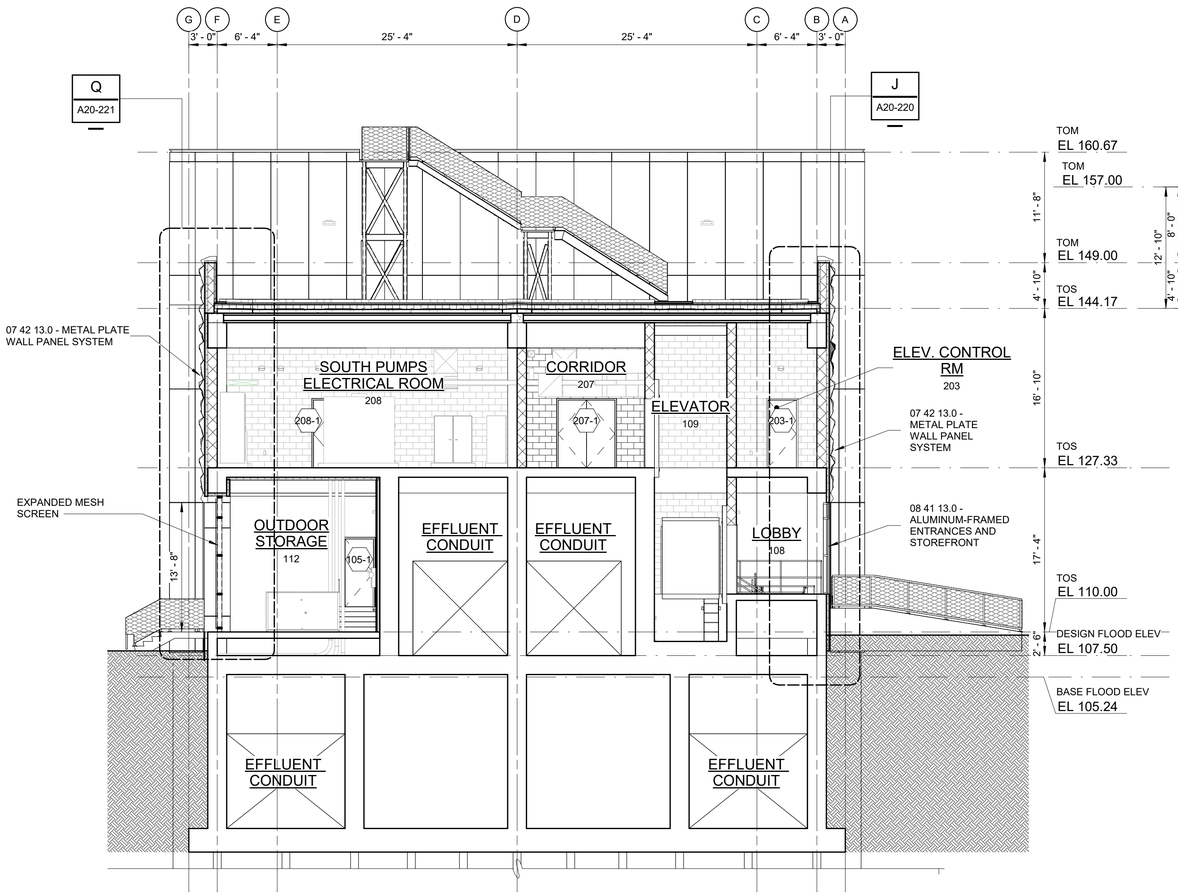
EFFLUENT PUMP STATION
BUILDING SECTIONS - SHEET 3

DATE:	SEPTEMBER 2025
HAZEN NO.:	90000-022
CONTRACT NO.:	71131
DRAWING NUMBER:	A20-212

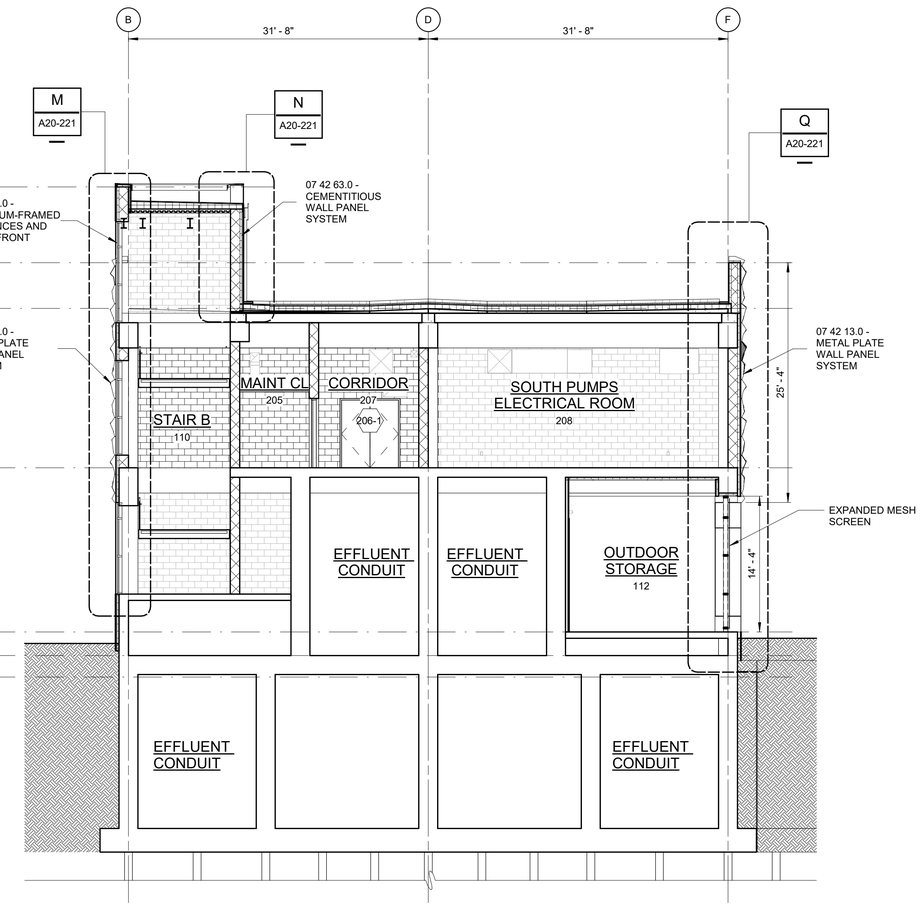
Autodesk Docs://90000-022_Effluent Pumping Station at the NEWPCP/90000-022-20-EPS-A.rvt
9/23/2025 2:06:13 PM

NOTES:

1. REFER TO SHEETS A00-005, A00-006, & A00-007 IN ARCHITECTURAL DRAWING SET FOR TEXT ASSOCIATED WITH ALL NOTE TAGS.



SECTION E
1/8" = 1'-0"
A20-101



SECTION F
1/8" = 1'-0"
A20-101

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	M. BOTTIN
DESIGNED BY:	J. WOJCIESKI
DRAWN BY:	J. MARTINEZ / J.LEE
CHECKED BY:	M. STALLONE
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	0 1/2" 1"

90% SUBMITTAL
PRELIMINARY DRAWING
DO NOT USE FOR CONSTRUCTION

Hazen

HAZEN AND SAWYER
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PHILADELPHIA, PA 19107

PHILADELPHIA WATER DEPARTMENT
PHILADELPHIA, PA

NORTHEAST WPCP
EFFLUENT PUMPING STATION

ARCHITECTURE

EFFLUENT PUMP STATION
BUILDING SECTIONS - SHEET 4

DATE:	SEPTEMBER 2025
HAZEN NO.:	90000-022
CONTRACT NO.:	71131
DRAWING NUMBER:	A20-213

Autodesk Docs://90000-022_Effluent Pumping Station at the NEWPCP/90000-022-20-EPS-A.rvt
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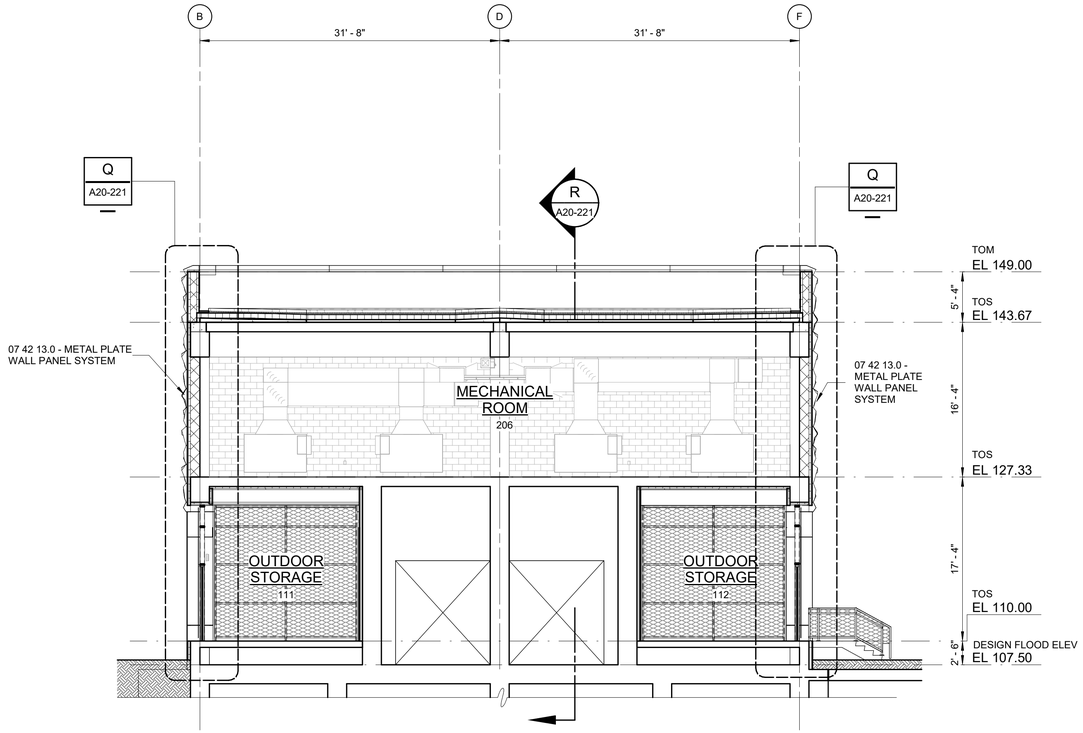

SECTION G A20-101
1/8" = 1'-0"

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	M. BOTTIN
DESIGNED BY:	J. WOJCIESKI
DRAWN BY:	J. MARTINEZ / J.LEE
CHECKED BY:	M. STALLONE
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	0 1/2" 1"

90% SUBMITTAL
PRELIMINARY DRAWING
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Hazen

HAZEN AND SAWYER
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PHILADELPHIA WATER DEPARTMENT
PHILADELPHIA, PA

NORTHEAST WPCP
EFFLUENT PUMPING STATION

ARCHITECTURE

EFFLUENT PUMP STATION
BUILDING SECTIONS - SHEET 5

DATE:	SEPTEMBER 2025
HAZEN NO.:	90000-022
CONTRACT NO.:	71131
DRAWING NUMBER:	A20-214

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