

CONVERSE WINKLER ARCHITECTURE, LLC

331 Montgomery Avenue
Bala Cynwyd, Pennsylvania
19004-2815

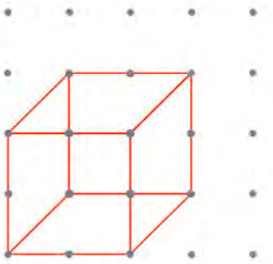
Tel: 610.664.0806
Fax: 610.664.1075
cwarc.com

May 27, 2025

Philadelphia Art Commission
1515 Arch St., 13th Floor
Philadelphia, PA 19102

Re: PA-2024-007879

Improvements to the Philadelphia Water Department 42nd Street Pump
Station



PRINCIPALS:
Mimi Converse Winkler AIA
Susan Chisholm AIA

Dear Members of the Philadelphia Art Commission,

We are pleased to present the replacement design of the 42nd St Pump Station for the Philadelphia Water Department (PWD). The current pump station structure and mechanical equipment have reached the end of their useful life and are to be replaced in full. As part of the replacement, PWD is seeking to increase the pumping capacity of the pump station ten times its current capacity.

Location: 765 S 43rd St. Philadelphia PA 19104

Context: The current pump station is situated between:

- St. Joseph's West Philadelphia campus.
- SEPTA Regional Rail and Amtrak rail lines.
- The Woodlands.

The mass of the existing pump station is predominantly below grade. Various components such as electrical equipment, vents, hatches and a jib crane are visible above grade. The site is currently bordered by an eight feet tall chain link fencing with large gates. Two sides of the site are bordered by a landscape buffer, while the remaining two sides are bordered by sidewalk. See attached photos. The site is surrounded by utility poles that distribute power to the pump station and abutters. This power distribution will be relocated below grade.

Attached to this letter is a brief presentation of the pump station replacement and recent copy of my email correspondence with: Marguerite Anglin, RA Public Art Director Creative Philadelphia (formerly OACCE). This project's formal submission will occur under a separate cover. We appreciate your consideration of our current public works project.

Sincerely

Peter E. Brown on behalf of
Converse Winkler Architecture
215.808.4283
pbrown@cwarc.com








RE: Philadelphia Water Department - 42nd Street Pumping Station Upgrade

From Marguerite Anglin <Marguerite.Anglin@phila.gov>

Date Wed 3/19/2025 1:32 PM

To Peter Brown <pbrown@cwarc.com>; Susan Chisholm <schisholm@cwarc.com>; juhi tilak <juhi.tilak@tylin.com>; Chris Mann <christopher.mann@tylin.com>

Cc Noni Clemens <Noni.Clemens@phila.gov>

 1 attachment (3 MB)

Phila DSC 42nd St intro SMALL2.pdf;

Hello Peter,

Thank you very much for letting us know about the 42nd Street Pumping Station Upgrade project. I have reviewed the attachment and send my compliments to the team on the beautiful design of the pump enclosure. I assume the budget is over \$1M. However regardless based on the scope described, this project would not trigger Percent for Art requirements, since the main scope is purely infrastructure focused, such as replacing outdated utility/pump systems. If asked, you can feel free to forward this email to the Philadelphia Art Commission as confirmation. Thank you again for this information, and I wish you successful completion of this project.

Best regards,
Marguerite



Marguerite Anglin, RA

Public Art Director

Creative Philadelphia (formerly OACCE)

City of Philadelphia

City Hall, Rm. 116 | Philadelphia, PA 19107

m: 267.303.0507 | **o:** 215.686.4596

e: marguerite.anglin@phila.gov

From: Peter Brown <pbrown@cwarc.com>

Sent: Wednesday, March 19, 2025 10:19 AM

To: Marguerite Anglin <Marguerite.Anglin@phila.gov>

Cc: Susan Chisholm <schisholm@cwarc.com>; juhi tilak <juhi.tilak@tylin.com>; Chris Mann <christopher.mann@tylin.com>

Subject: Philadelphia Water Department - 42nd Street Pumping Station Upgrade

External Email Notice. This email comes from outside of City government. Do not click on links or open attachments unless you recognize the sender.

Good morning Marguerite,

We are currently working on a project for the Philadelphia Water Department. CWA is part of a larger team of engineers. We want to make you aware of our little project to determine if it is required to participate within the Percent for Art Ordinance. Attached to this email is a project brief from the summer of 2024. The project has continued to develop since but this should give you a general idea of the scope.

Feel free to contact me if you have any questions or comments.

Sincerely,
Peter

Peter Everett Brown

Converse Winkler Architecture LLC

331 Montgomery Ave. Bala Cynwyd, PA 19004

P: 610-664-0806 ext.13 | C: 215-808-4283

www.cwarc.com | pbrown@cwarc.com



PHILADELPHIA WATER DEPARTMENT – 42ND STREET PUMPING STATION Summer 2024

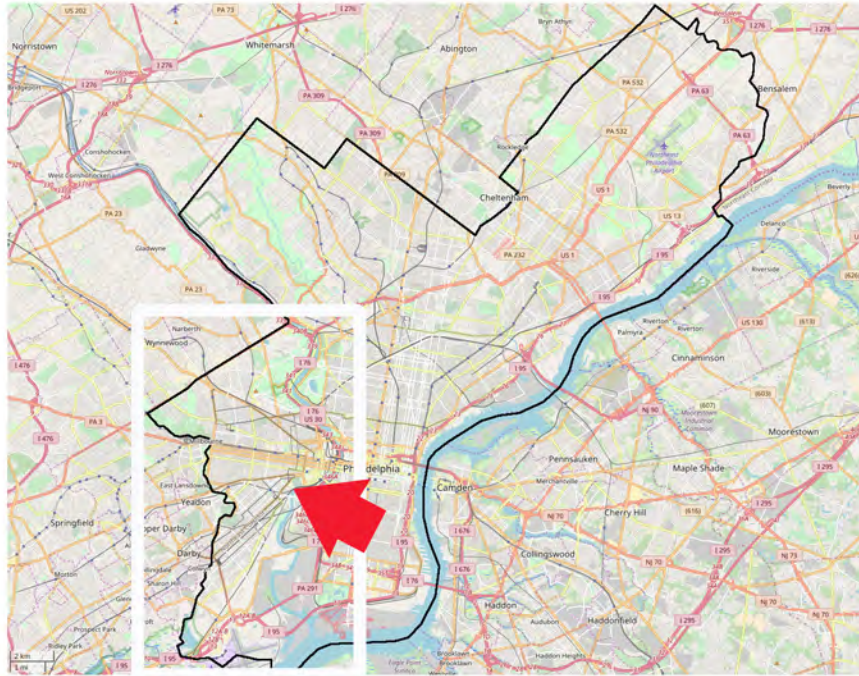


GREELEY AND HANSEN

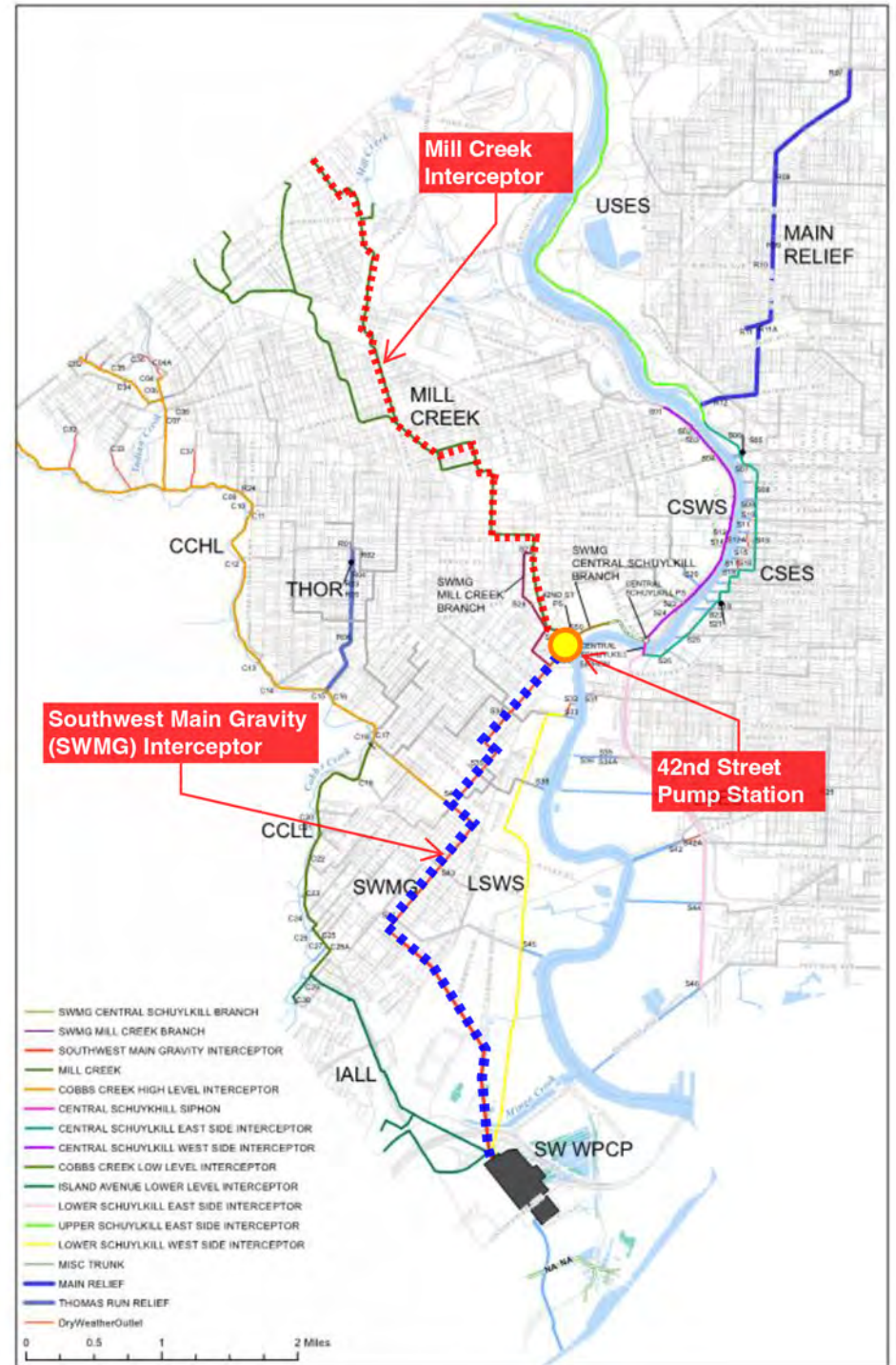
Greeley and Hansen was retained by Philadelphia Water Department (PWD) to provide engineering services to develop the Preliminary and Final Design of the Replacement of 42nd St Pump Station project. The pump station is located at 765 S 43rd St. Philadelphia PA, adjacent to the University of the Sciences and Woodlands Cemetery in West Philadelphia. The pump station structure and mechanical equipment have reached the end of their useful life and are to be replaced in full. As part of the replacement, PWD is seeking to increase the pumping capacity of the pump station to 100 MGD during wet weather events, while maintaining the existing normal operating (i.e. dry weather) capacity of 8 MGD. This 100 MGD capacity is part of PWD's long-term goal to decrease the volume of Combined Sewage Overflow (CSO) discharged to the Schuylkill River. Increasing the capacity of the 42nd St. Pump Station to 100 MGD is projected to decrease CSO volume by as much as 320 MG during an average year.

The 8 million gallon per day (MGD) dry weather pump station was designed in 1959 and upgraded in 2000. The upgrades to the plant included replacement of pumps, bar screens, jib cranes, and support systems. The existing station pumps dry weather flow from the Mill Creek Interceptor to the Southwest Main Gravity (SWMG) Interceptor from where it is conveyed to the Southwest Water Pollution Control Plant (SWWPCP) for treatment. Any additional flow over 8MGD is discharged to the Schuylkill River after overflowing a dam within the Mill Creek Interceptor "S-50" Regulating Chamber. The regulating chamber represents one of the largest wet weather sources of CSO discharge in the City of Philadelphia.

As the original station was constructed over 60 years ago and the upgrades to the plant are nearing 20 years, the pump station is approaching the end of its useful life. Replacement of the pump station with increased wet weather capacity would help reduce CSO discharge to the Schuylkill River by 300-320 MG per year. Additionally, the station has experienced significant flooding during extreme wet weather events that damaged electrical and mechanical components. Operations and maintenance have also become a concern as much of the work requires confined space entry and manual labor.



PHILADELPHIA WATER DEPARTMENT
42ND STREET PUMPING STATION
19 JULY 2024







VIEW FROM THE CORNER OF 43rd STREET AND
43rd STREETS
LOOKING NORTH EAST



VIEW FROM 42ND STREET
LOOKING SOUTH

PHILADELPHIA WATER DEPARTMENT
42ND STREET PUMPING STATION
19 JULY 2024



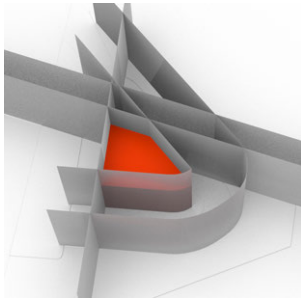
VIEW FROM 42nd and 43rd STREETS
LOOKING SOUTH

PHILADELPHIA WATER DEPARTMENT
42ND STREET PUMPING STATION
19 JULY 2024



VIEW FROM CAMPUS PARKING
LOOKING EAST

PHILADELPHIA WATER DEPARTMENT
42ND STREET PUMPING STATION
19 JULY 2024



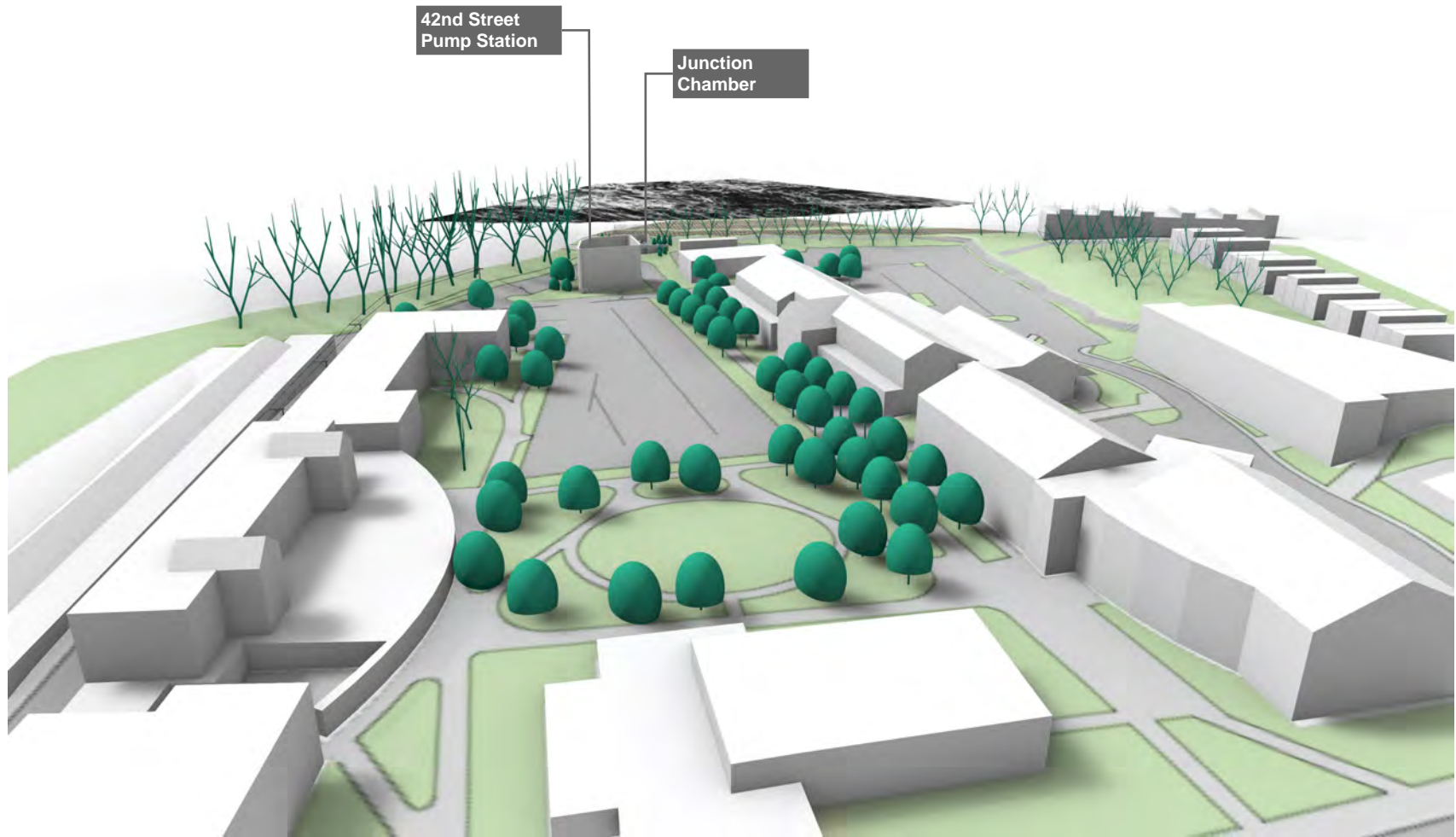
ZONING
ENVELOPE



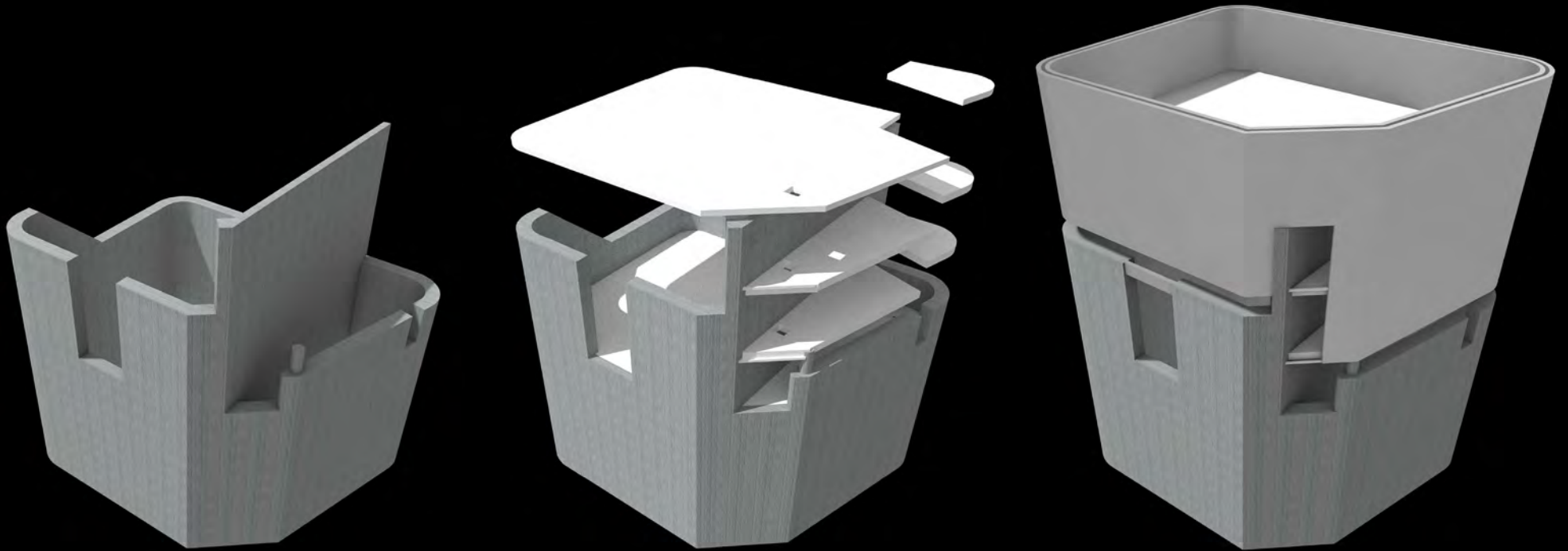
CAMPUS MODEL

42nd Street
Pump Station

Junction
Chamber



CAMPUS MODEL



MASSING DIAGRAMS

PHILADELPHIA WATER DEPARTMENT
42ND STREET PUMPING STATION
19 JULY 2024

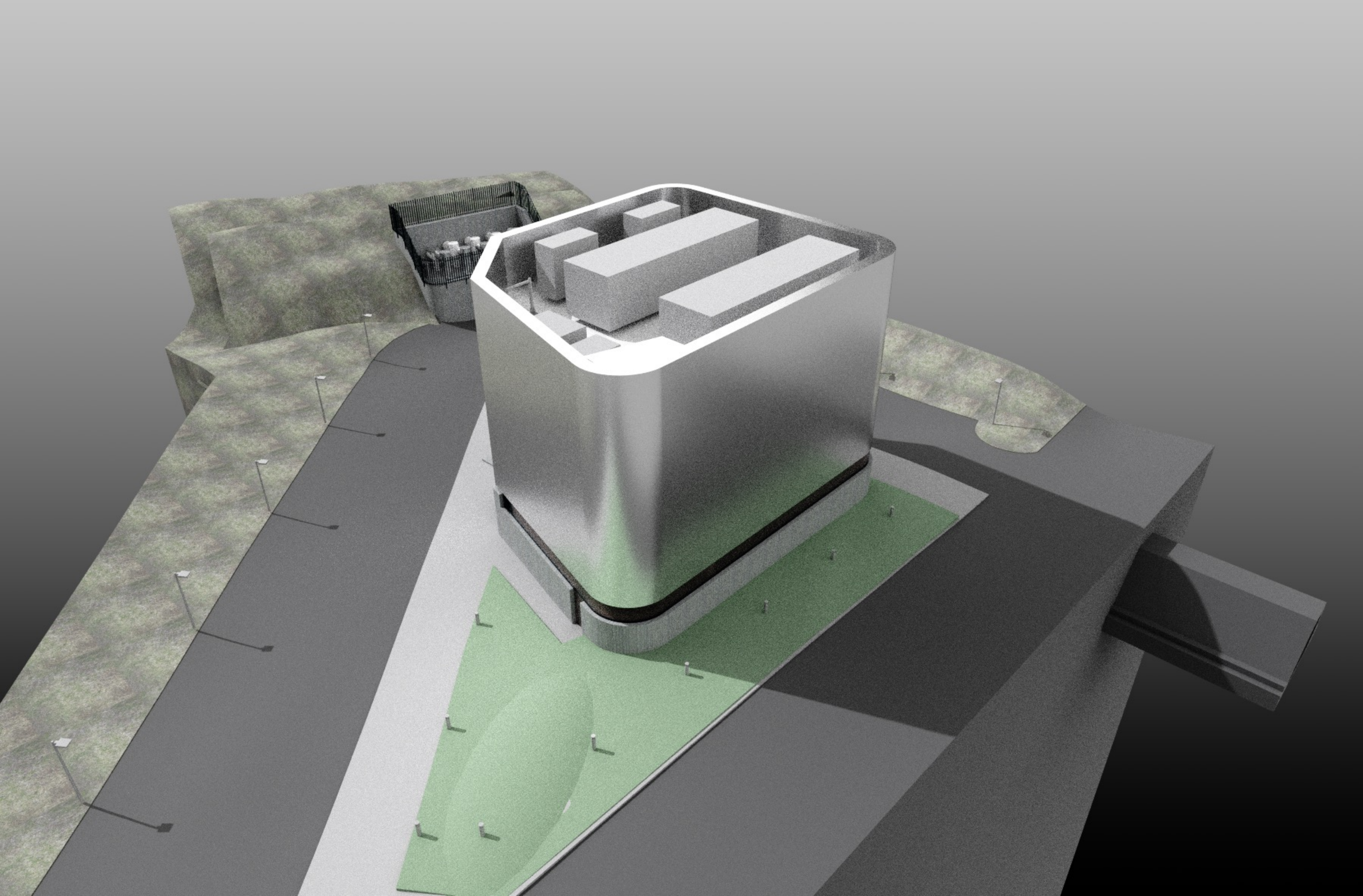


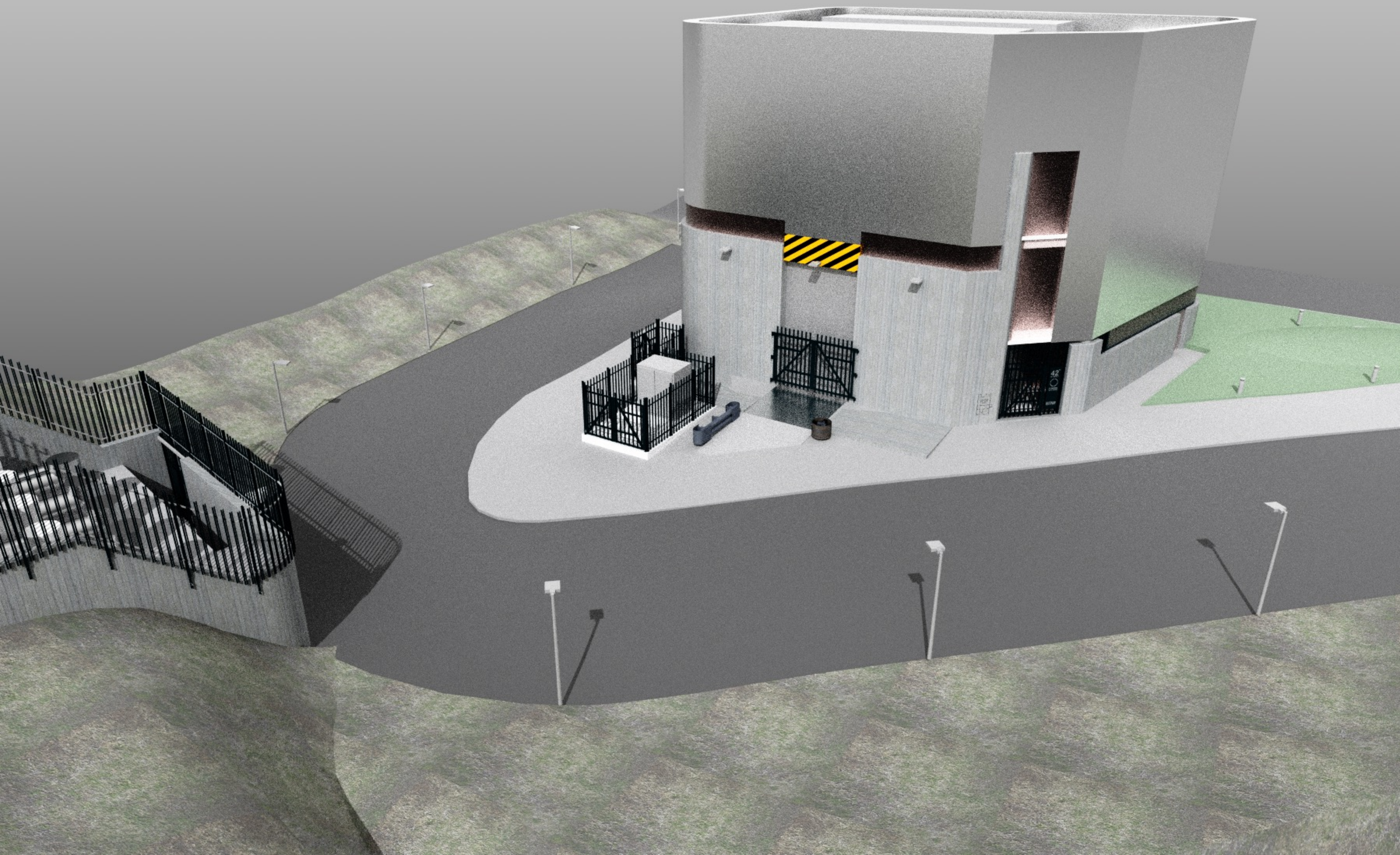
VIEW FROM CAMPUS PARKING

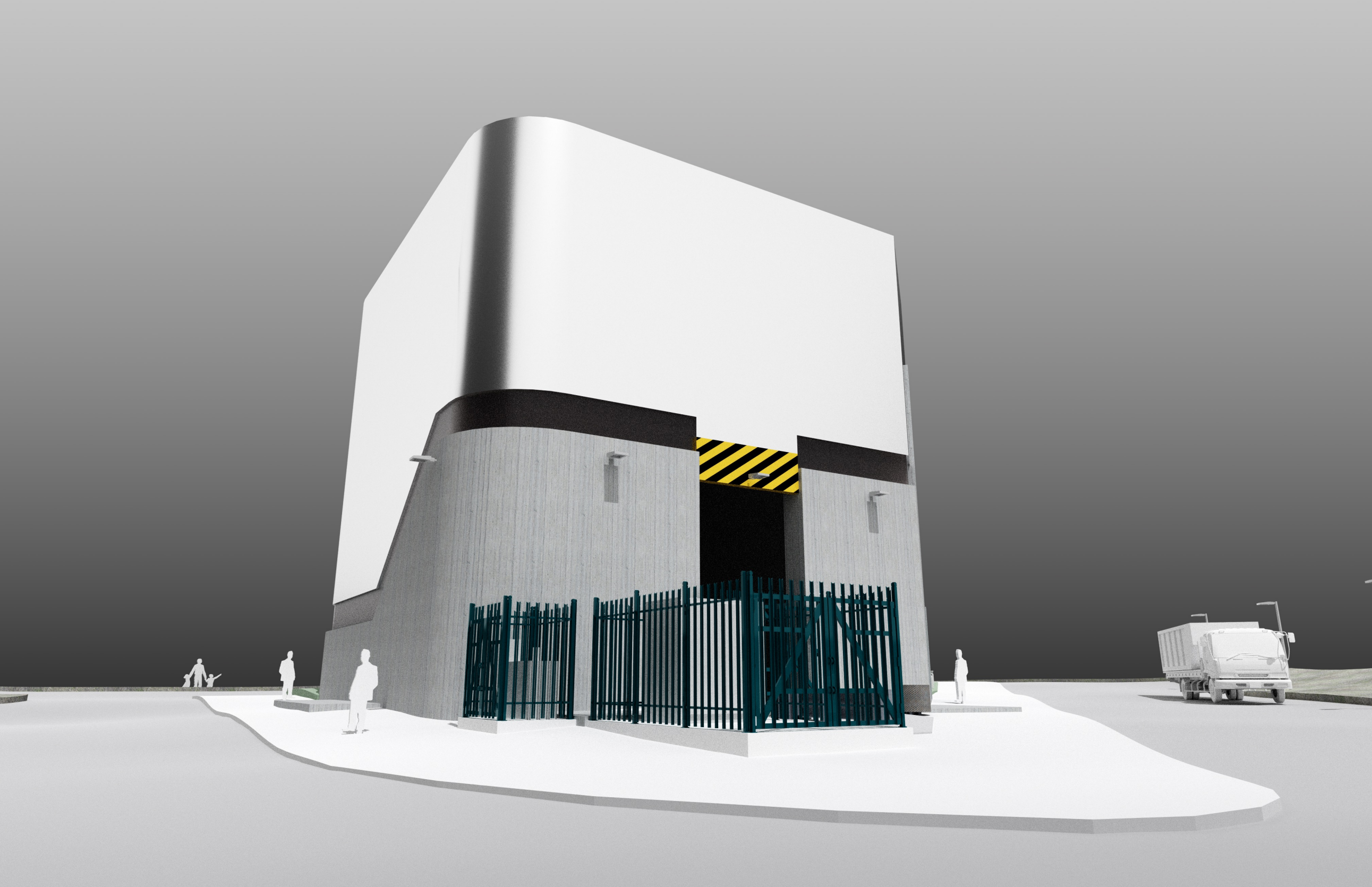


VIEW FROM 43RD STREET

PHILADELPHIA WATER DEPARTMENT
42ND STREET PUMPING STATION
19 JULY 2024





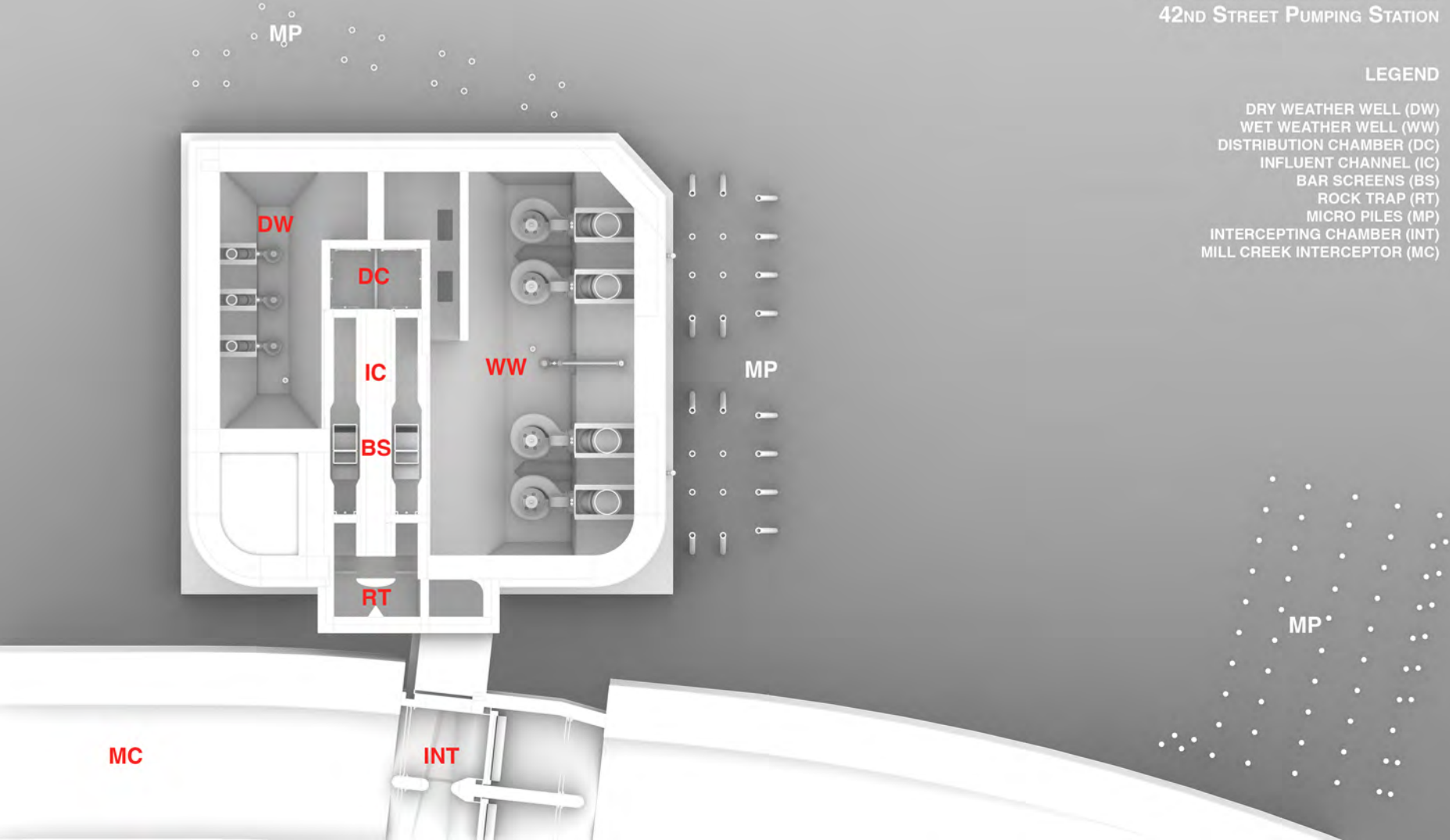


WELL PLAN

PHILADELPHIA WATER DEPARTMENT
42ND STREET PUMPING STATION

LEGEND

- DRY WEATHER WELL (DW)
- WET WEATHER WELL (WW)
- DISTRIBUTION CHAMBER (DC)
- INFLUENT CHANNEL (IC)
- BAR SCREENS (BS)
- ROCK TRAP (RT)
- MICRO PILES (MP)
- INTERCEPTING CHAMBER (INT)
- MILL CREEK INTERCEPTOR (MC)

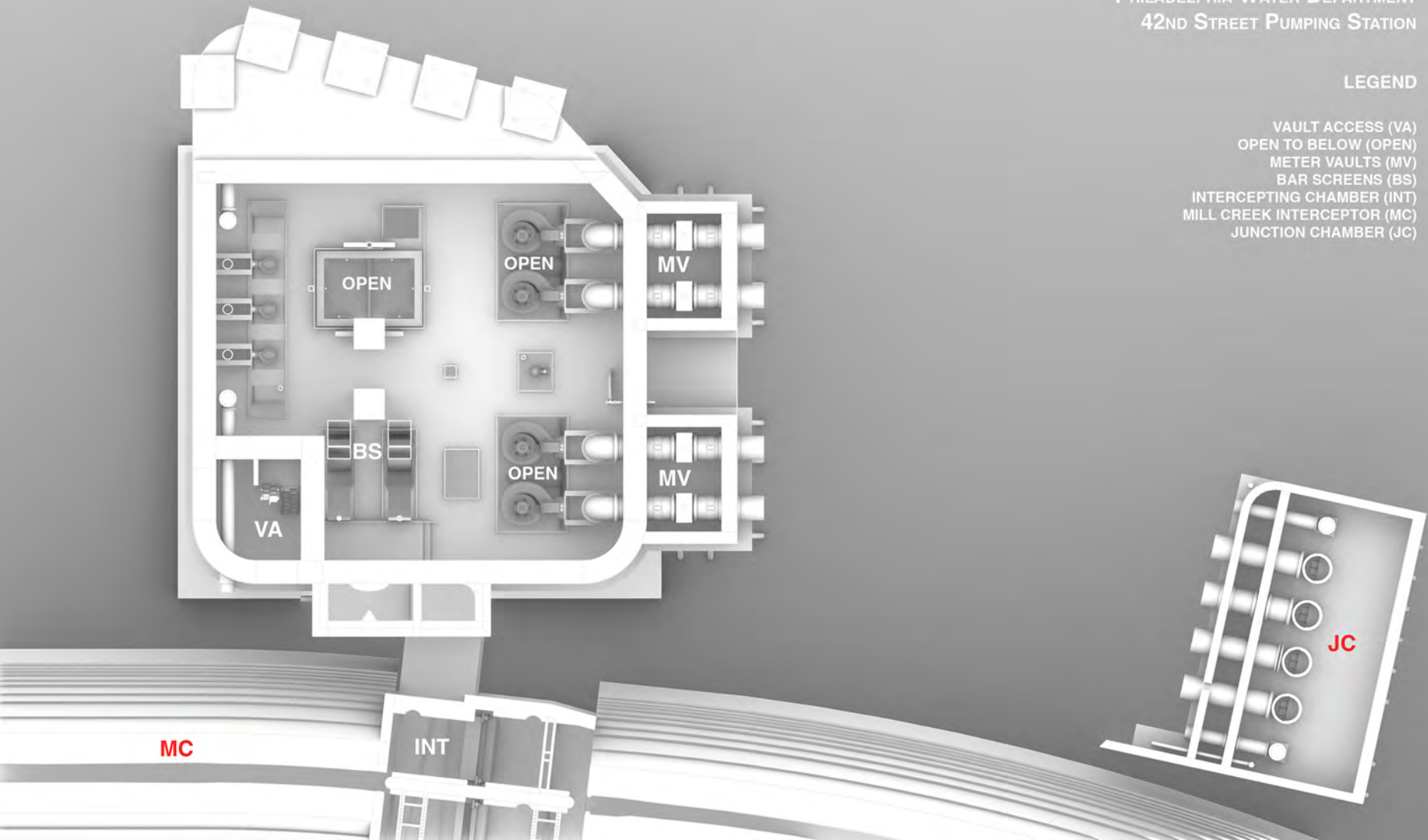


VAULT PLAN

PHILADELPHIA WATER DEPARTMENT
42ND STREET PUMPING STATION

LEGEND

- VAULT ACCESS (VA)
- OPEN TO BELOW (OPEN)
- METER VAULTS (MV)
- BAR SCREENS (BS)
- INTERCEPTING CHAMBER (INT)
- MILL CREEK INTERCEPTOR (MC)
- JUNCTION CHAMBER (JC)

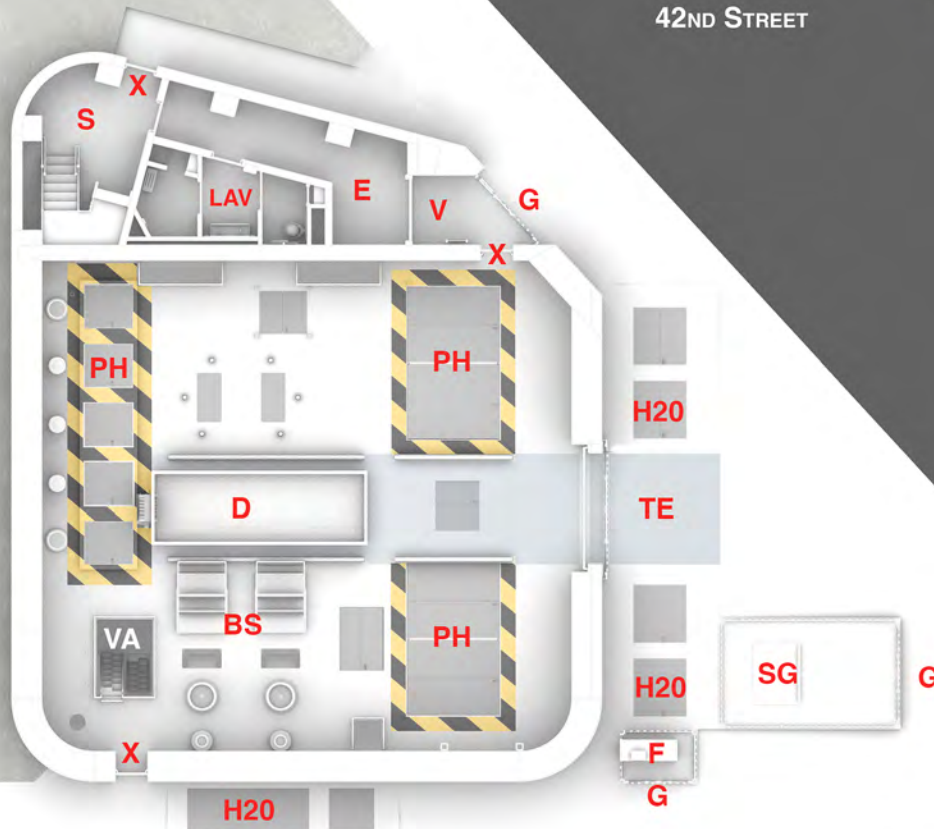


GROUND FLOOR PLAN

PHILADELPHIA WATER DEPARTMENT 42ND STREET PUMPING STATION

LEGEND

- STAIR (S)
- LAVATORY (LAV)
- ENTRY (E)
- GATED VESTIBULE (V)
- TRUCK ENTRY (TE)
- SWITCH GEAR (SG)
- FUEL FILL (F)
- STREET HATCH (H20)
- PUMP HATCH (PH)
- BAR SCREENS (BS)
- DUMPSTER (D)
- VAULT ACCESS (VA)
- GATES (G)
- EXIT (X)
- JUNCTION CHAMBER (JC)



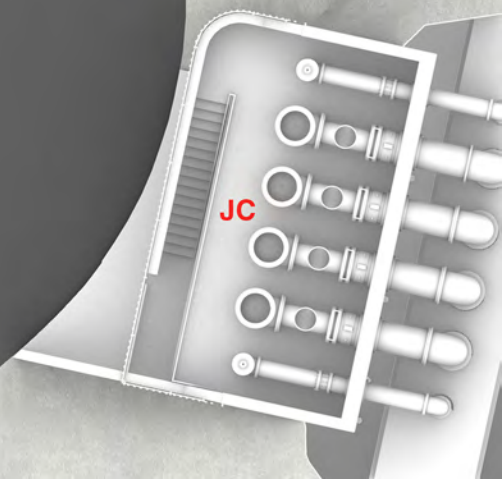
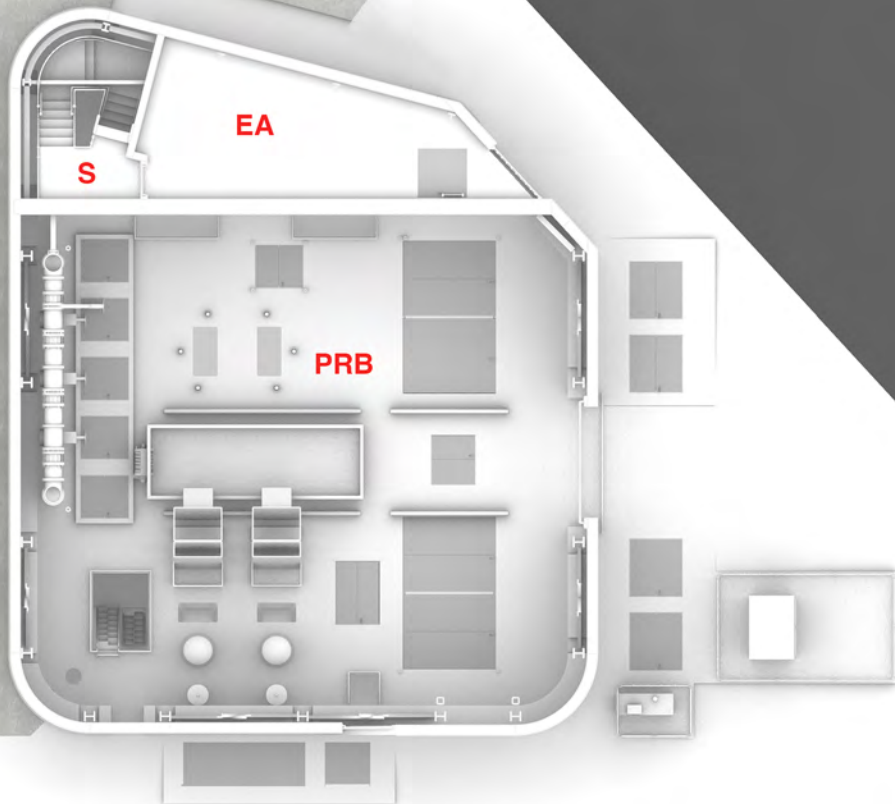
43RD STREET

SECOND FLOOR PLAN

PHILADELPHIA WATER DEPARTMENT
42ND STREET PUMPING STATION

LEGEND

STAIR (S)
ELECTRICAL ANNEX (EA)
PUMP ROOM BELOW (PRB)
JUNCTION CHAMBER (JC)

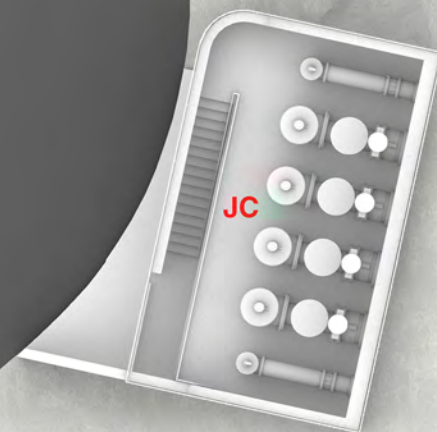
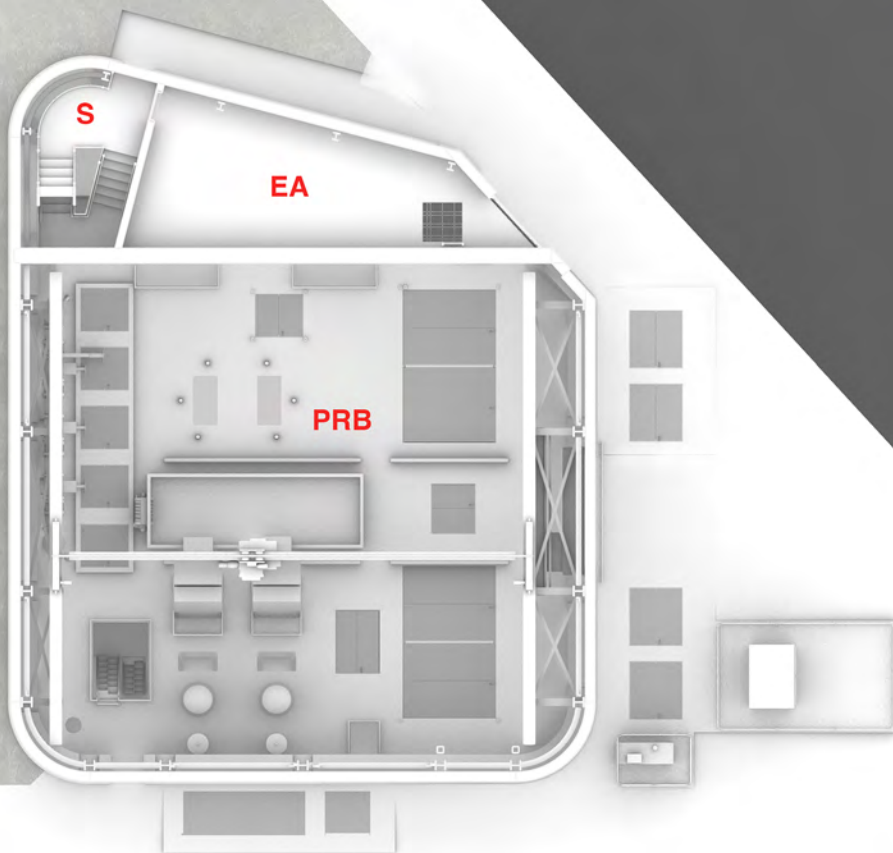


THIRD FLOOR PLAN

PHILADELPHIA WATER DEPARTMENT
42ND STREET PUMPING STATION

LEGEND

STAIR (S)
ELECTRICAL ANNEX (EA)
PUMP ROOM BELOW (PRB)
JUNCTION CHAMBER (JC)

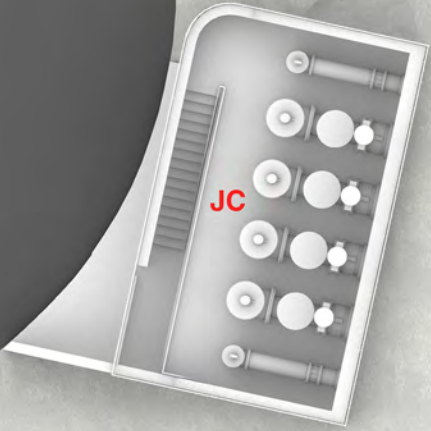
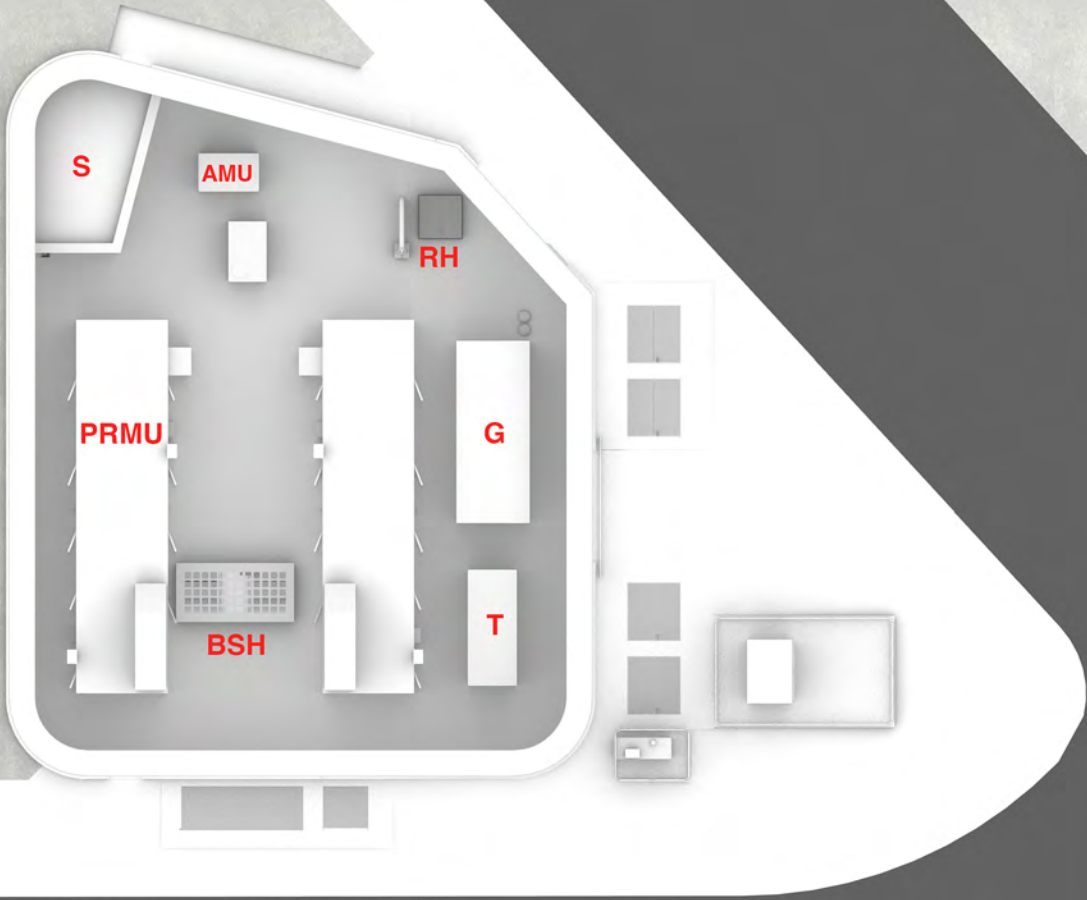


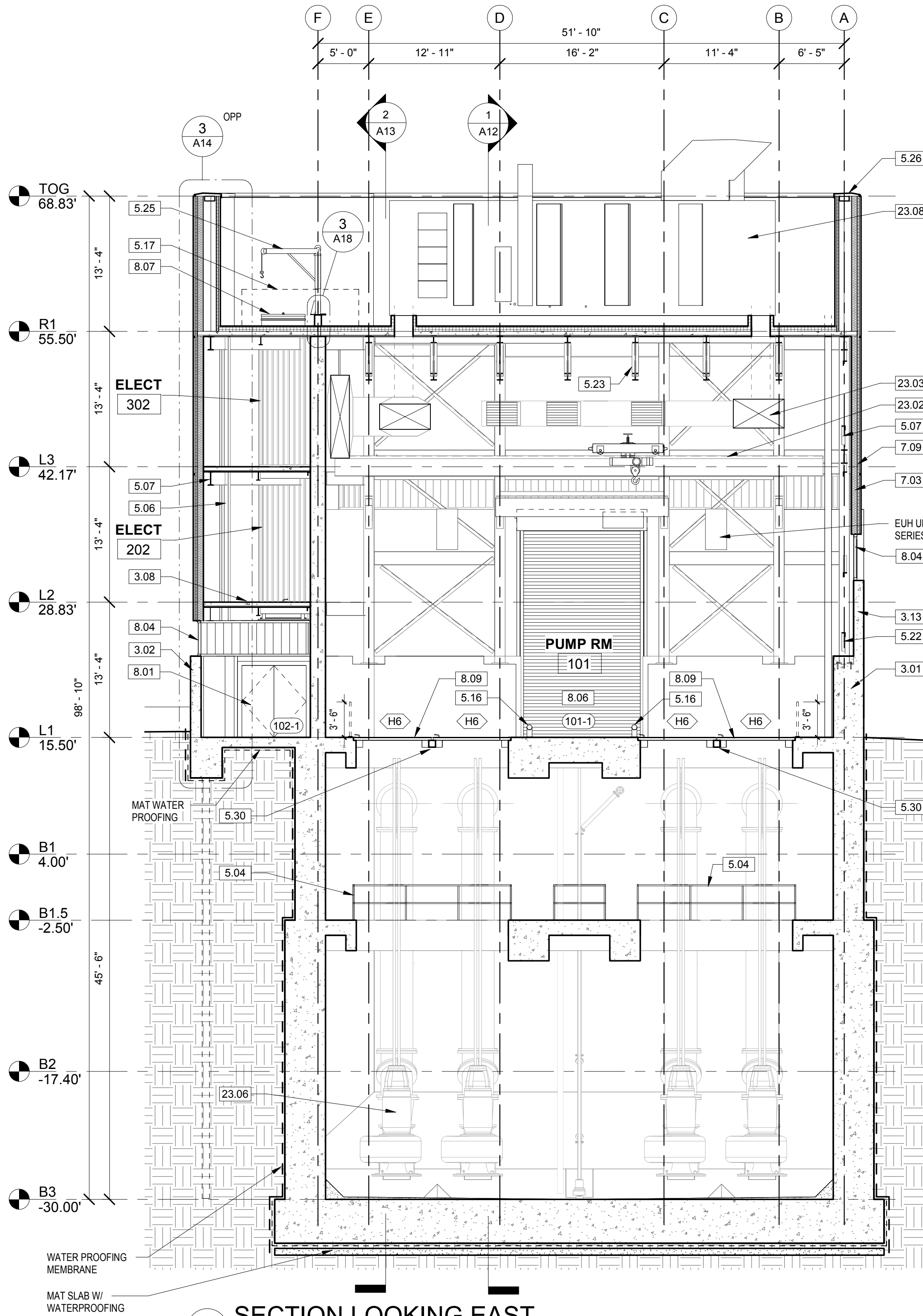
ROOF PLAN

PHILADELPHIA WATER DEPARTMENT
42ND STREET PUMPING STATION

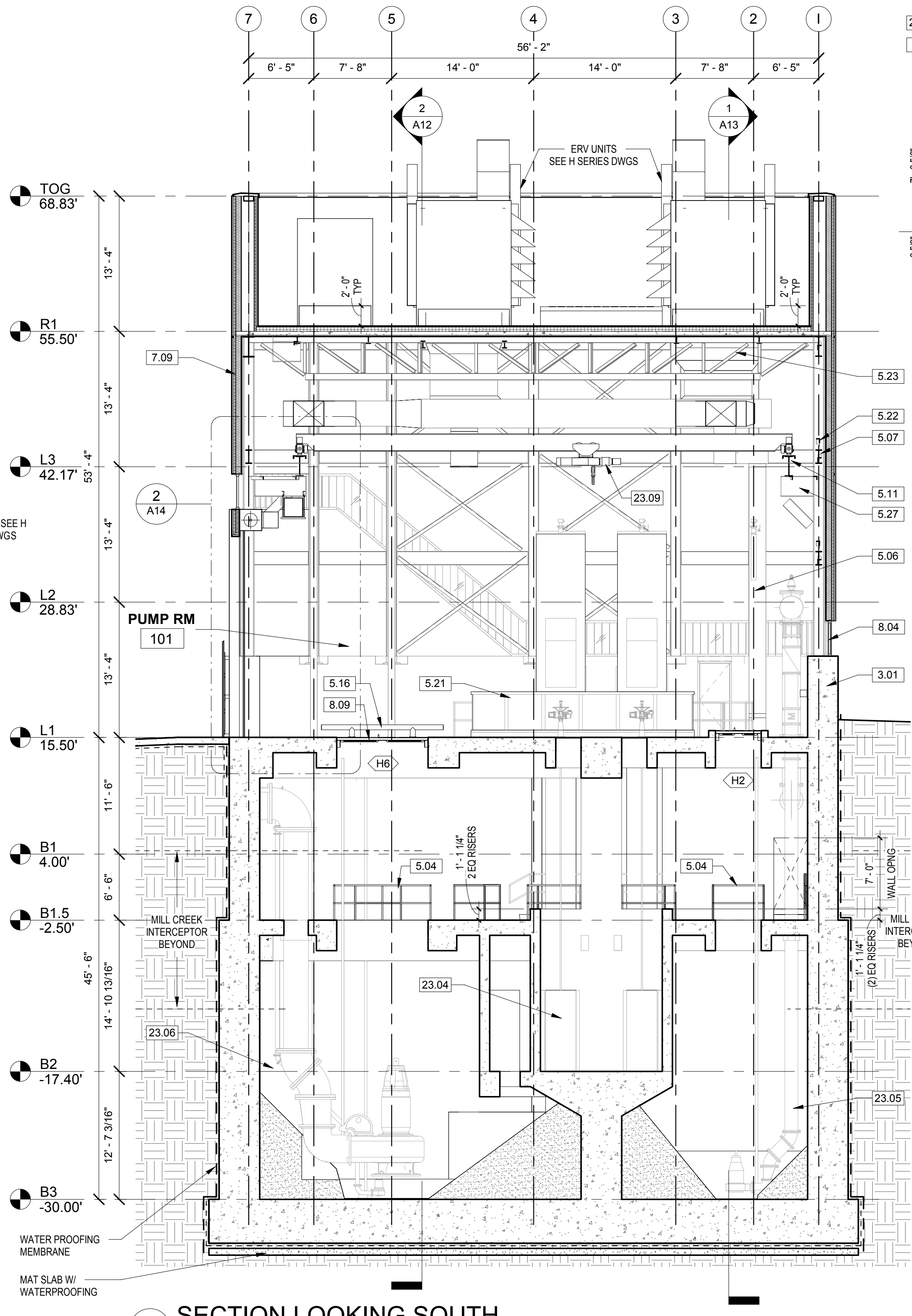
LEGEND

- STAIR (S)
- ANNEX MECHANICAL UNITS (AMU)
- ROOF HATCH & CRANE(RH)
- GENERATOR (G)
- TRANSFORMER (T)
- PUMP ROOM MECH. UNITS (PRMU)
- BAR SCREEN HATCH (BSH)
- JUNCTION CHAMBER (JC)

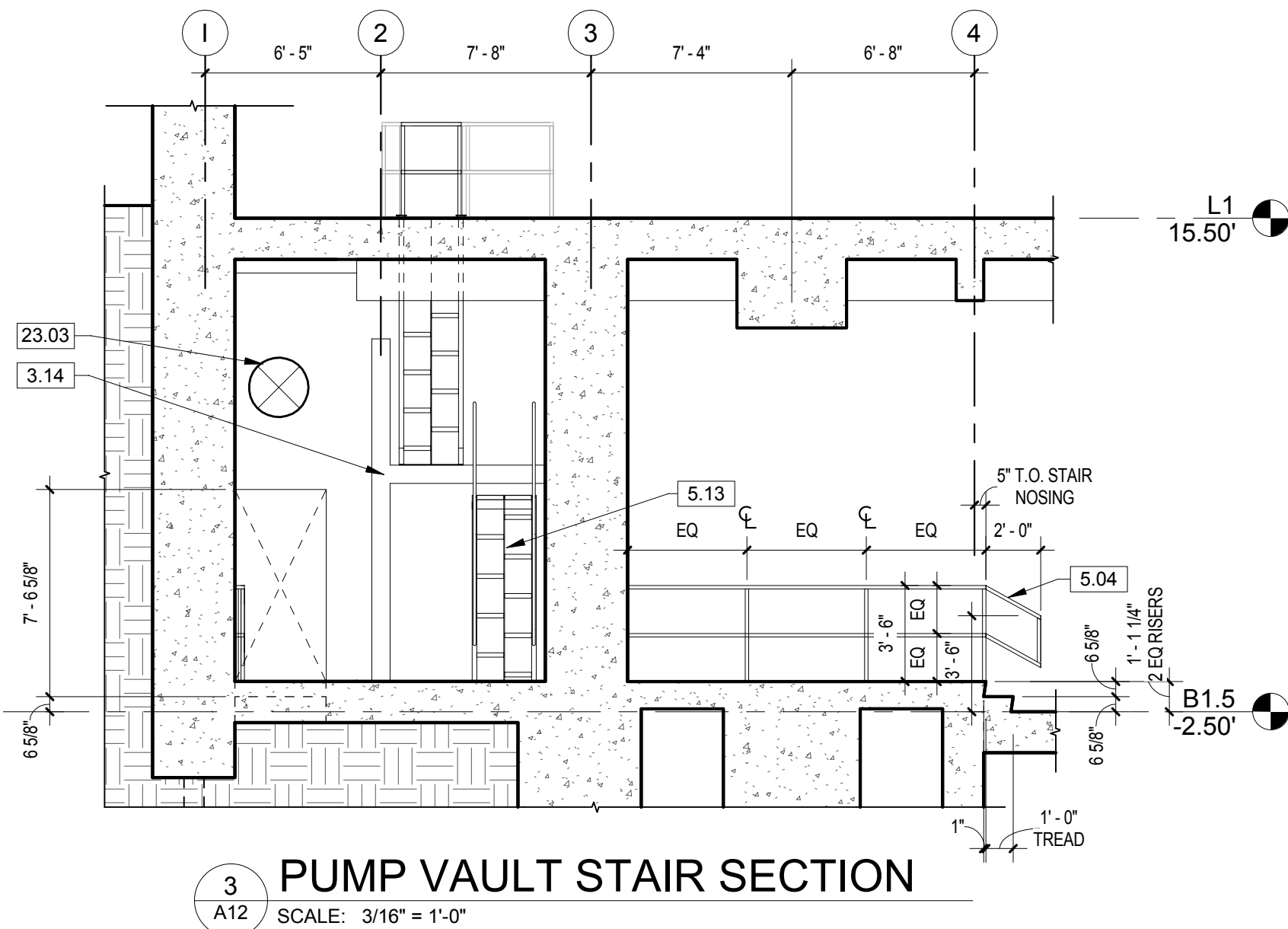




2
A12
SECTION LOOKING EAST
SCALE: 1/8" = 1'-0"



1
A12
SECTION LOOKING SOUTH
SCALE: 1/8" = 1'-0"



3
A12
PUMP VAULT STAIR SECTION
SCALE: 3/16" = 1'-0"

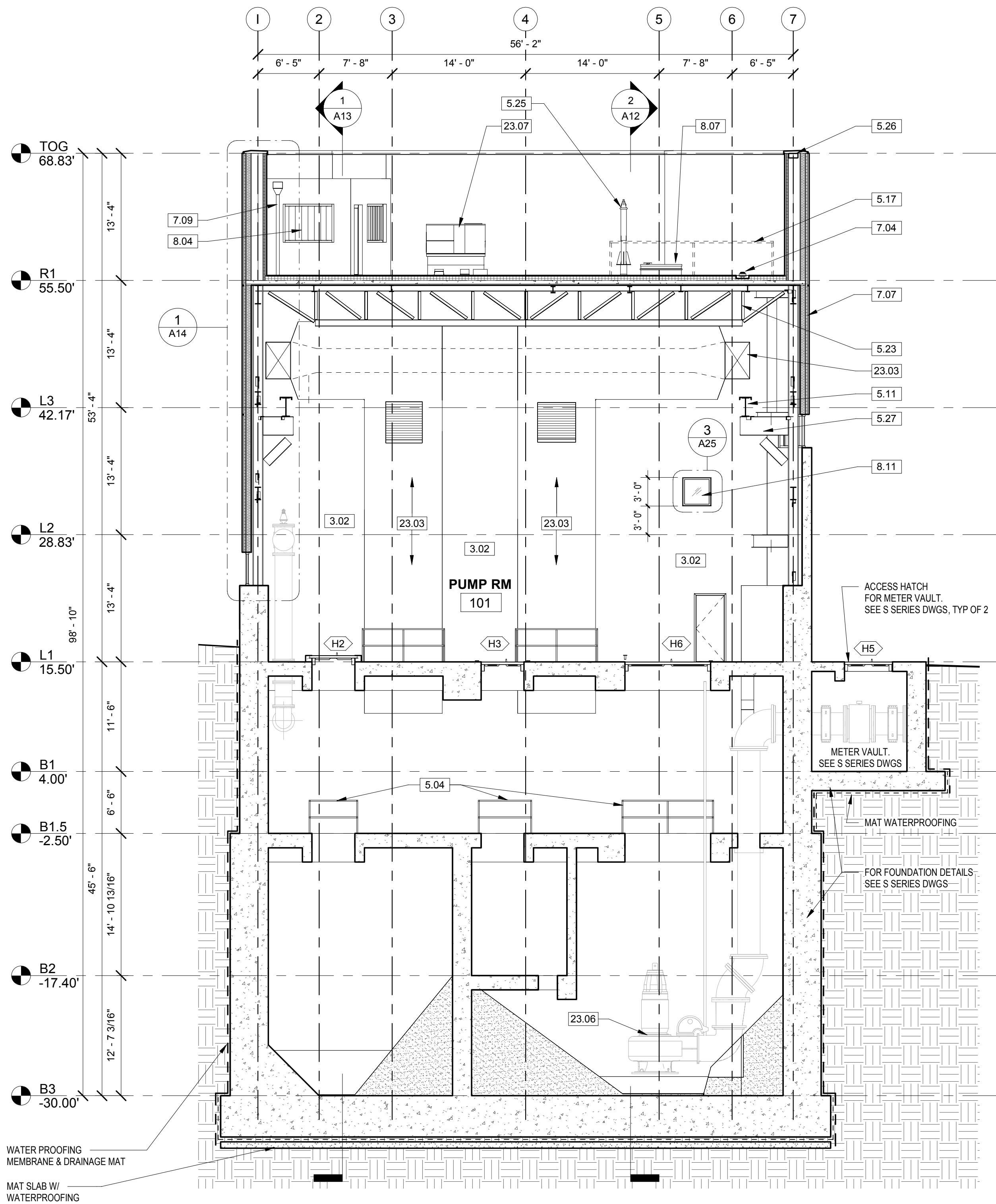
CONSTRUCTION KEYNOTES

3.01	36" REINF CIP CONC WALL, SEE S DWGS
3.02	18" REINF CIP CONC WALL, SEE S DWGS
3.08	6" STRUCT REINF CONC FLOOR SLAB OVER MTL PAN DECK, SEE S DWGS
3.13	12" REINF CIP CONC WALL, SEE S DWGS
3.14	8" REINF CIP CONC WALL & LANDING AT ALTERNATING TREAD STAIR
5.04	POWDER-COATED STAINLESS STL GUARDRAIL W/ NON-PENETRATING EPOXY ANCHORS, 3'-6"HT TYP UNO, 3" TYP C.L. DISTANCE TO SLAB EDGE
5.06	POWDER-COATED STRUCT STL COLUMN, SEE S DWGS
5.07	POWDER-COATED STRUCT STL FRAMING, SEE S DWGS
5.11	POWDER-COATED BRIDGE CRANE STL CHANNEL & TROLLEY BEAM, SEE S DWGS
5.13	ALTERNATING TREAD STAIR, 68 DEGREE ANGLE
5.16	POWDER-COATED INDUSTRIAL PIPE GUARDRAIL SYSTEM W/ 6" DIAM PIPE, SEE S DWGS
5.17	NON-PENETRATING ROOF GUARDRAIL SYSTEM
5.21	8'X20' ROLL-OFF DUMPSTER FOR SCREENINGS
5.22	POWDER-COATED STRUCT STL L ANGLE CROSS BRACING, SEE S DWGS
5.23	POWDER-COATED STL ROOF TRUSS SYSTEM, SEE S DWGS
5.25	DAVIT CRANE W/ GALV 18" SQ STL BASEPLATE & 8'X8" STL POST, SEE S, M SERIES DWGS
5.26	STAINLESS STEEL PARAPET COPING TO MATCH RAINSCREEN PANEL
5.27	POWDER-COATED STRUCT STL OUTRIGGER FRAMING FOR BRIDGE CRANE, SEE S DWGS
5.30	POWDER-COATED HSS STEEL SUPPORT FOR H6 FLOOR HATCH, SEE S DWGS
7.03	MINERAL WOOL BATT INSULATION
7.09	GALV STL SCUPPER, CONDUCTOR HEAD & CONC SPLASH BLOCK FROM PILOT HOUSE ROOF TO MAIN ROOF LEVEL
8.01	INSUL EXT HM DOOR & FRAME
8.04	DUAL-GLAZED STRUCT CHANNEL GLASS WINDOW
8.06	INSUL POWER-OPERATED OVERHEAD COILING DOOR SYSTEM
8.07	HINGED, SINGLE-LEAF ROOF ACCESS HATCH, SEE SHEET A18
8.09	ACCESS HATCH W/ SAFETY NETTING FOR FLOOR OPNG, SEE HATCH SCHEDULE
23.02	CRANE RAIL BEAM, SEE M & S DWGS
23.03	HVAC DUCTWORK, SEE H DWGS
23.04	SLUICE GATE & OPERATOR, SEE M DWGS
23.05	DRY WEATHER PUMP, SEE M, P DWGS
23.06	WET WEATHER PUMP, SEE M, P DWGS
23.08	ROOFTOP ERV UNIT, SEE H DWGS
23.09	BRIDGE CRANE, SEE S, M DWGS
26.02	ELEC EQUIPMENT, SEE E DWGS

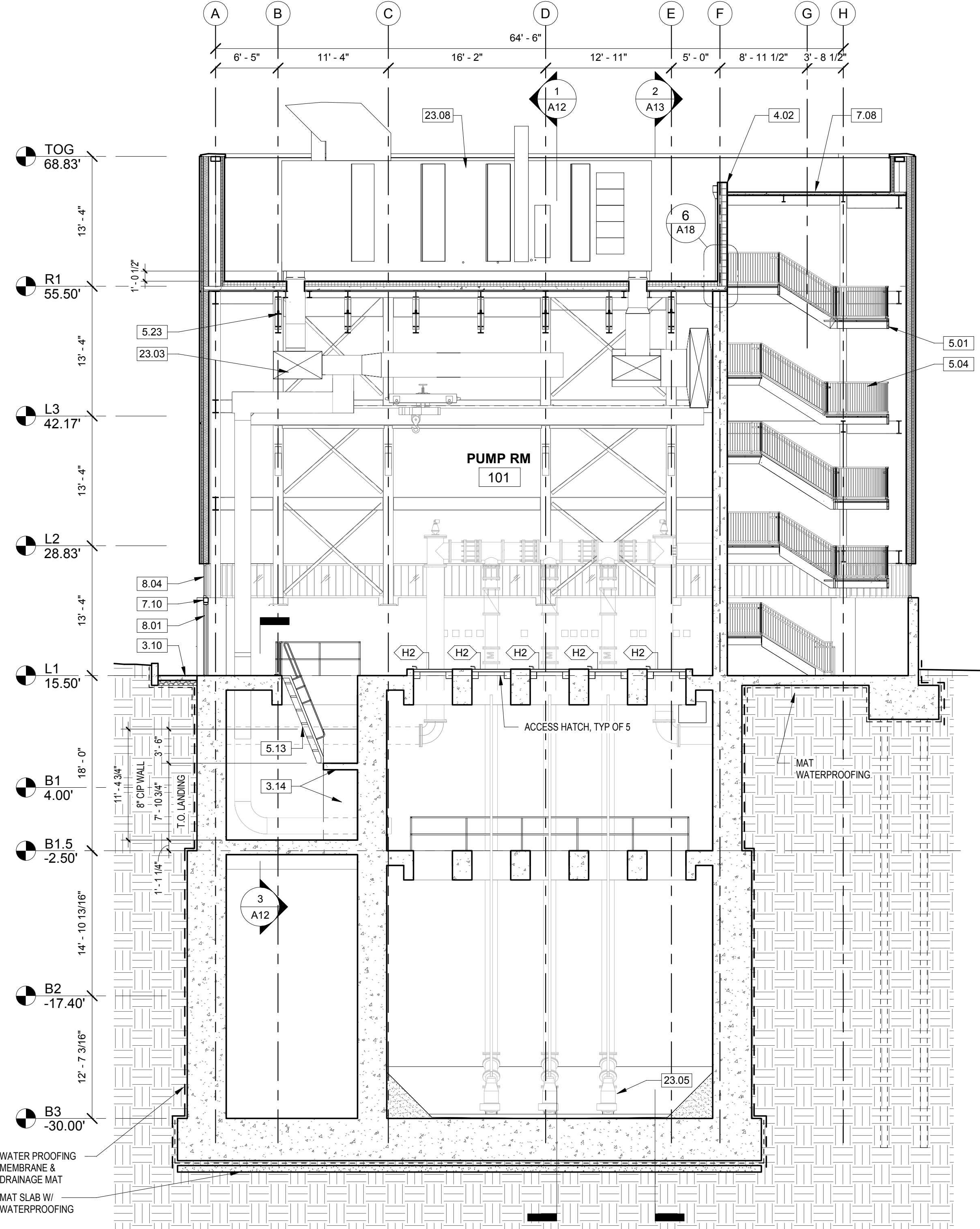
NOTES:

- ALL EXPOSED EXTERIOR CONCRETE SURFACES ABOVE GRADE TO RECEIVE EXTERIOR SOL-SILICATE COATING.
- ALL EXPOSED INTERIOR CONCRETE SURFACES INCLUDING ALL FLOOR SURFACES AND WALL SURFACE TO THE UNDERSIDE OF FIRST FLOOR WINDOWS FLOOR WINDOWS (+8'-0") TO RECEIVE EPOXY COATINGS.
- ALL DOORS AND FRAMES, INTERIOR AND EXTERIOR TO BE 316 STAINLESS-STEEL, MIN. 14GA
- ALL INTERIOR FLOOR HATCHES TO BE 316 STAINLESS-STEEL.
- MOTORIZED OVERHEAD COIL DOOR TO BE 316 STAINLESS-STEEL.
- ALL GLAZING INCLUDING DOOR AND WINDOW SYSTEMS TO BE INSULATED, TEMPERED AND LAMINATED.
- ALL STRUCTURAL STEEL TO BE GALVANIZED AND POWDER COATED, CUSTOM COLOR.
- STAIRS: STAINLESS STEEL METAL PAN STAIR, CONCRETE FILL WITH STAINLESS STEEL NOSING; ALTERNATE: STAINLESS STEEL BAR GRATING TREADS AND LANDINGS WITH OPEN RISERS, STAIR STRINGERS TO BE GALVANIZED AND POWDER COATED STRUCTURAL STEEL.
- ALL HAND RAILINGS AND GUARD RAILINGS TO BE 316 STAINLESS STEEL.

100% SUBMITTAL
not for construction 12 MARCH 2025



2
A13
SECTION LOOKING NORTH
SCALE: 1/8" = 1'-0"



1
A13
SECTION LOOKING WEST
SCALE: 1/8" = 1'-0"

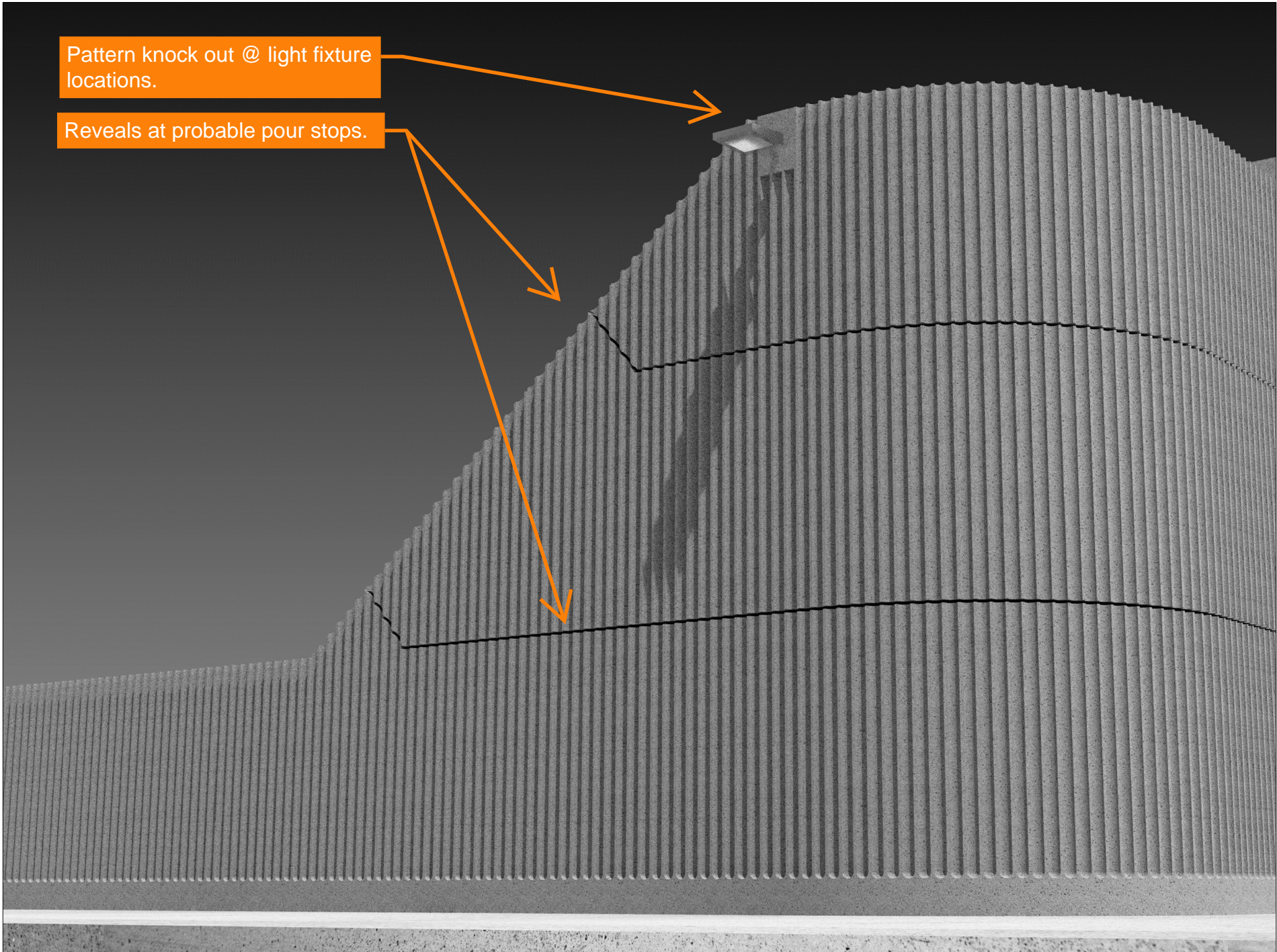
CONSTRUCTION KEYNOTES

3.02	18" REINF CIP CONC WALL, SEE S DWGS
3.10	CONC SIDEWALK, SEE CIVIL DWGS
3.14	8" REINF CIP CONC WALL & LANDING AT ALTERNATING TREAD STAIR
4.02	8" CMU WALL
5.01	CONC FILL MTL PAN STAIR & HANDRAILS
5.04	POWDER-COATED STAINLESS STL GUARDRAIL W/ NON-PENETRATING EPOXY ANCHORS, 3'-6"HT TYP UNO, 3" TYP C.L. DISTANCE TO SLAB EDGE
5.11	POWDER-COATED BRIDGE CRANE STL CHANNEL & TROLLEY BEAM, SEE S DWGS
5.13	ALTERNATING TREAD STAIR, 68 DEGREE ANGLE
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5.23	POWDER-COATED STL ROOF TRUSS SYSTEM, SEE S DWGS
5.25	DAVIT CRANE W/ GALV 18" SQ STL BASEPLATE & 8"x8" STL POST, SEE S, M SERIES DWGS
5.26	STAINLESS STEEL PARAPET COPING TO MATCH RAINSCREEN PANEL
5.27	POWDER-COATED STRUCT STL OUTRIGGER FRAMING FOR BRIDGE CRANE, SEE S DWGS
7.04	ROOF DRAIN W/ OVERFLOW DRAIN, SEE P SERIES DWGS
7.07	STAINLESS STEEL RAINSCREEN OVER GALVANIZED FURRING
7.08	2-PLY SBS ROOF
7.09	GALV STL SCUPPER, CONDUCTOR HEAD & CONC SPLASH BLOCK FROM PILOT HOUSE ROOF TO MAIN ROOF LEVEL
7.10	STAINLESS STL FLASHING OVER STL SUPPORT
8.01	INSUL EXT HM DOOR & FRAME
8.04	DUAL-GLAZED STRUCT CHANNEL GLASS WINDOW
8.07	HINGED, SINGLE-LEAF ROOF ACCESS HATCH, SEE SHEET A18
8.11	3'X3' ALUM STOREFRONT LOOK-OUT WINDOW
23.03	HVAC DUCTWORK, SEE H DWGS
23.05	DRY WEATHER PUMP, SEE M, P DWGS
23.06	WET WEATHER PUMP, SEE M, P DWGS
23.07	ROOFTOP AIR HANDLING UNIT, SEE H DWGS
23.08	ROOFTOP ERV UNIT, SEE H DWGS

NOTES:

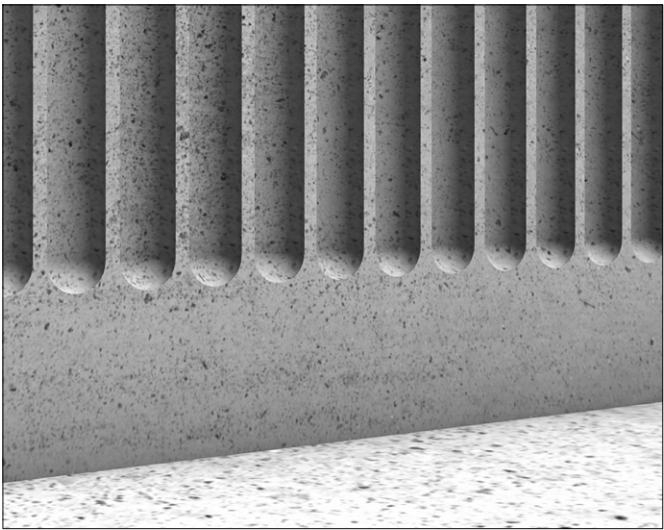
- ALL EXPOSED EXTERIOR CONCRETE SURFACES ABOVE GRADE TO RECEIVE EXTERIOR SOL-SILICATE COATING.
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- ALL GLAZING INCLUDING DOOR AND WINDOW SYSTEMS TO BE INSULATED, TEMPERED AND LAMINATED.
- ALL STRUCTURAL STEEL TO BE GALVANIZED AND POWDER COATED, CUSTOM COLOR.
- STAIRS: STAINLESS STEEL METAL PAN STAIR, CONCRETE FILL WITH STAINLESS STEEL NOSING. ALTERNATE: STAINLESS STEEL BAR GRATING TREADS AND LANDINGS WITH OPEN RISERS, STAIR STRINGERS TO BE GALVANIZED AND POWDER COATED STRUCTURAL STEEL.
- ALL HAND RAILINGS AND GUARD RAILINGS TO BE 316 STAINLESS STEEL.

100% SUBMITTAL
not for construction 12 MARCH 2025



PATTERN W/ REVEALS AND LIGHT KNOCKOUT

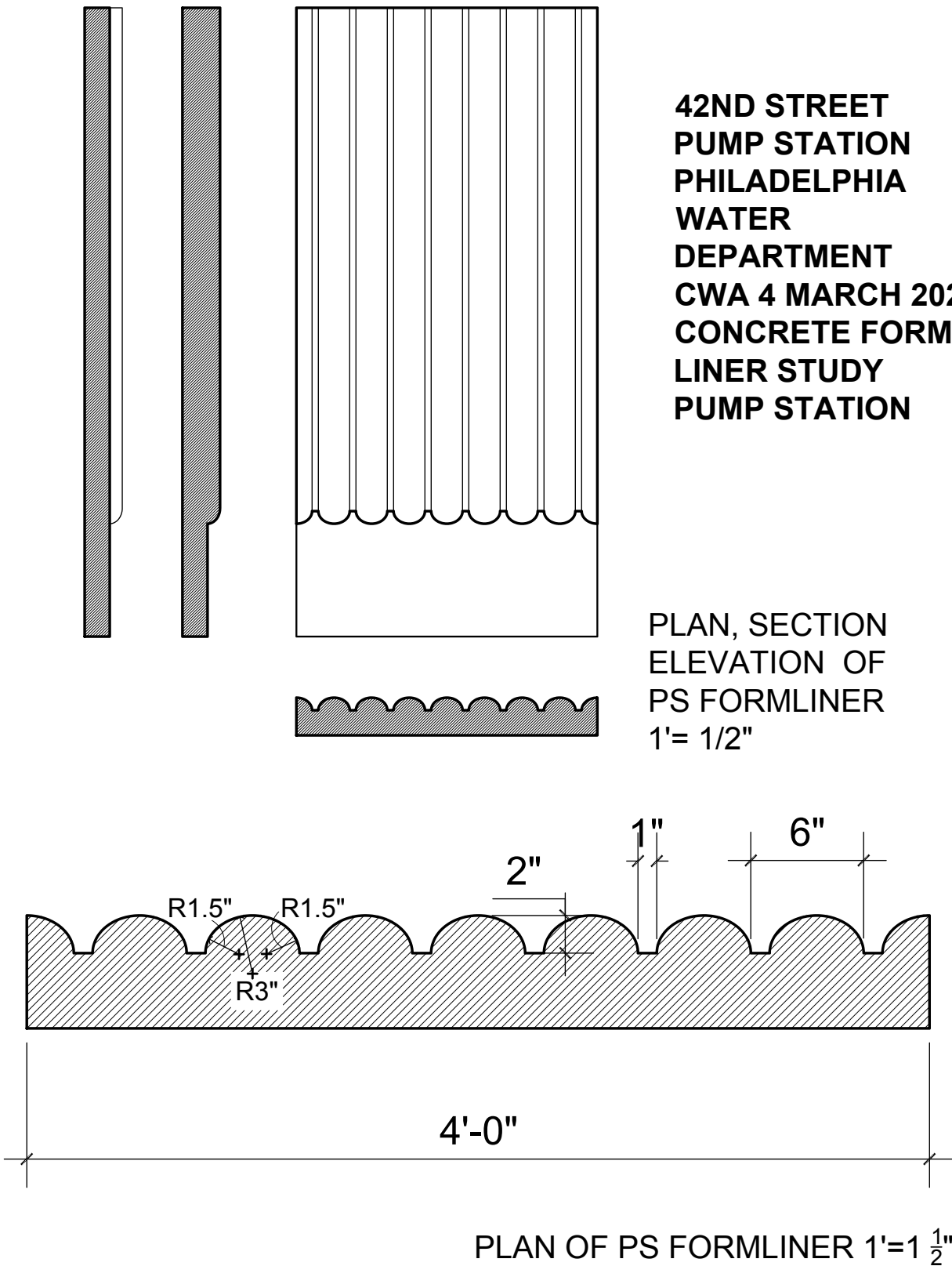
42ND STREET
PUMP STATION
PHILADELPHIA
WATER
DEPARTMENT
CWA 4 MARCH 2025
CONCRETE FORM
LINER STUDY
PUMP STATION

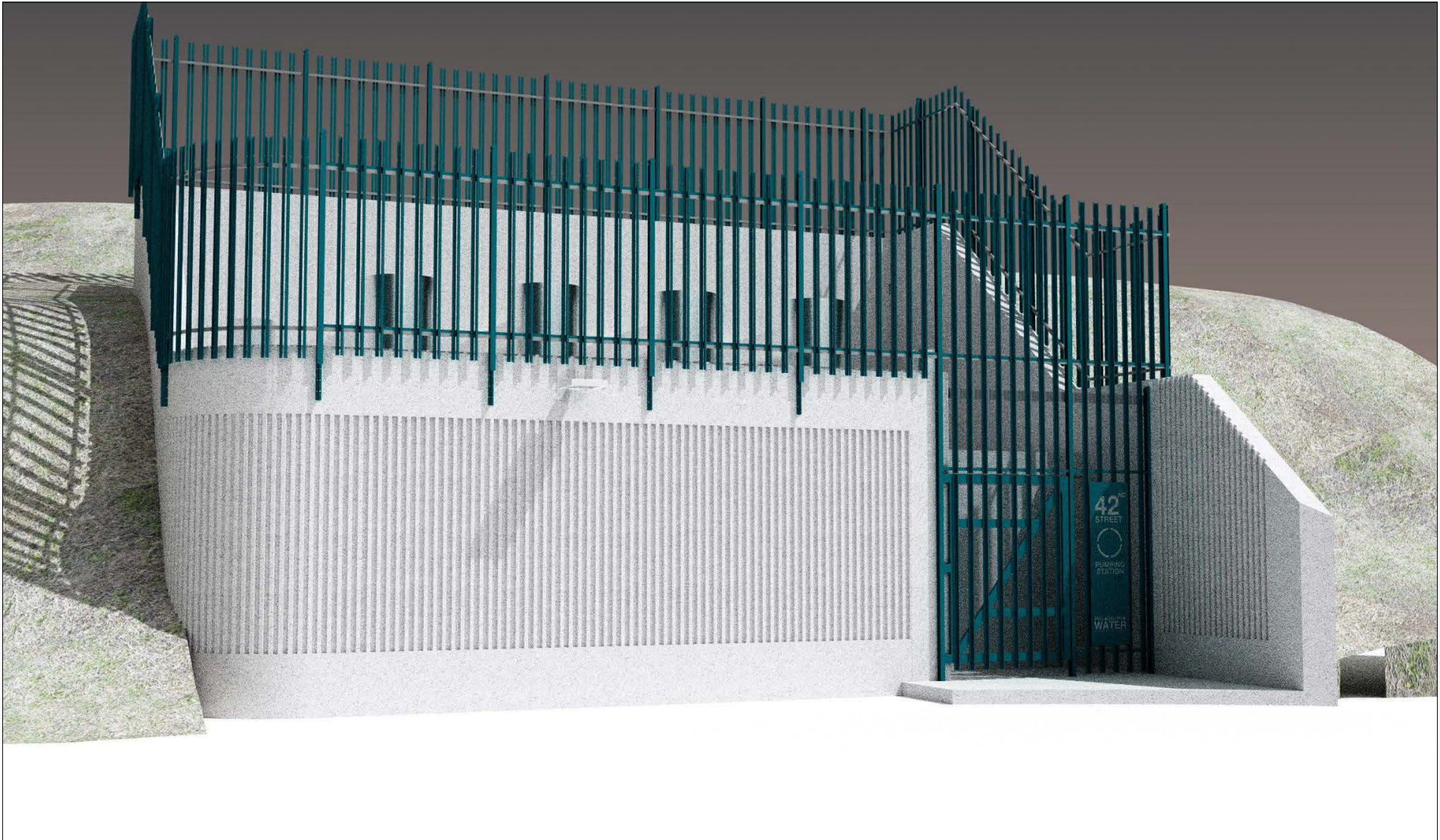


BASE PATTERN DETAIL

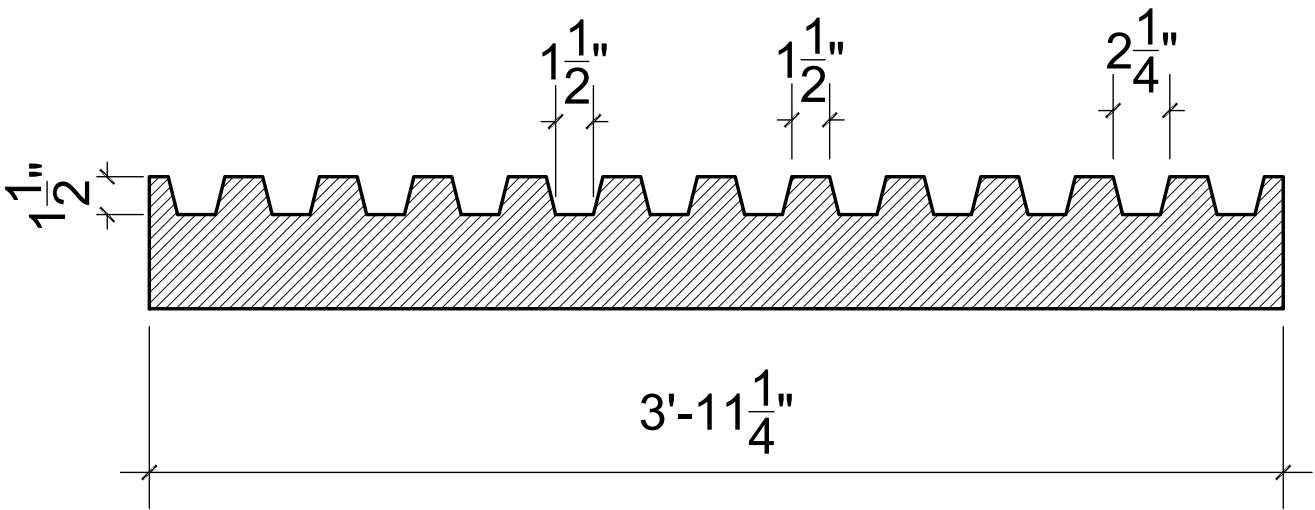


BASE PATTERN DETAIL



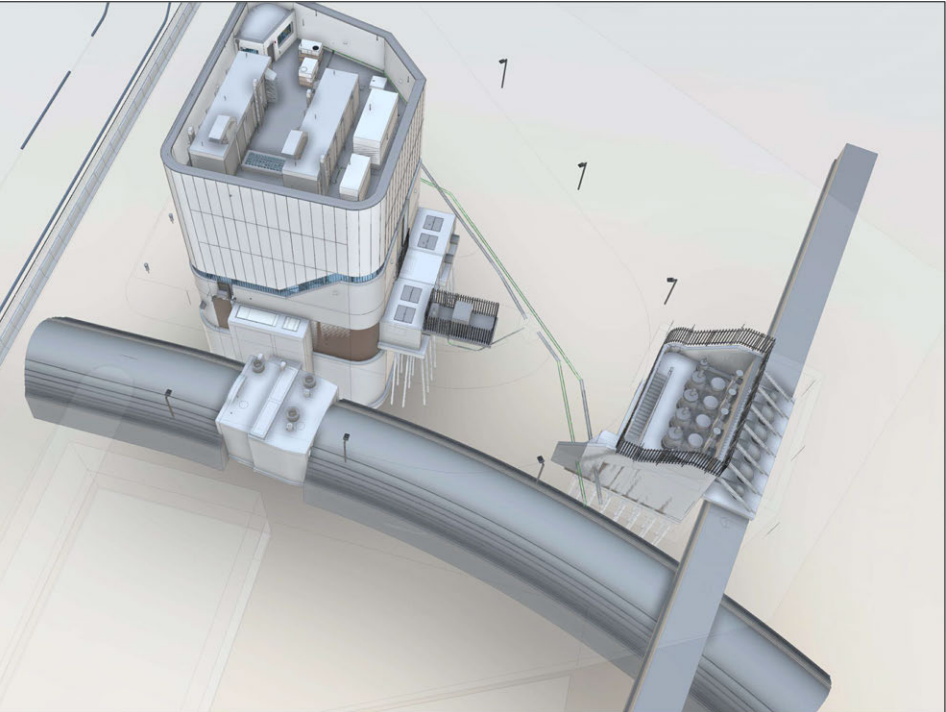
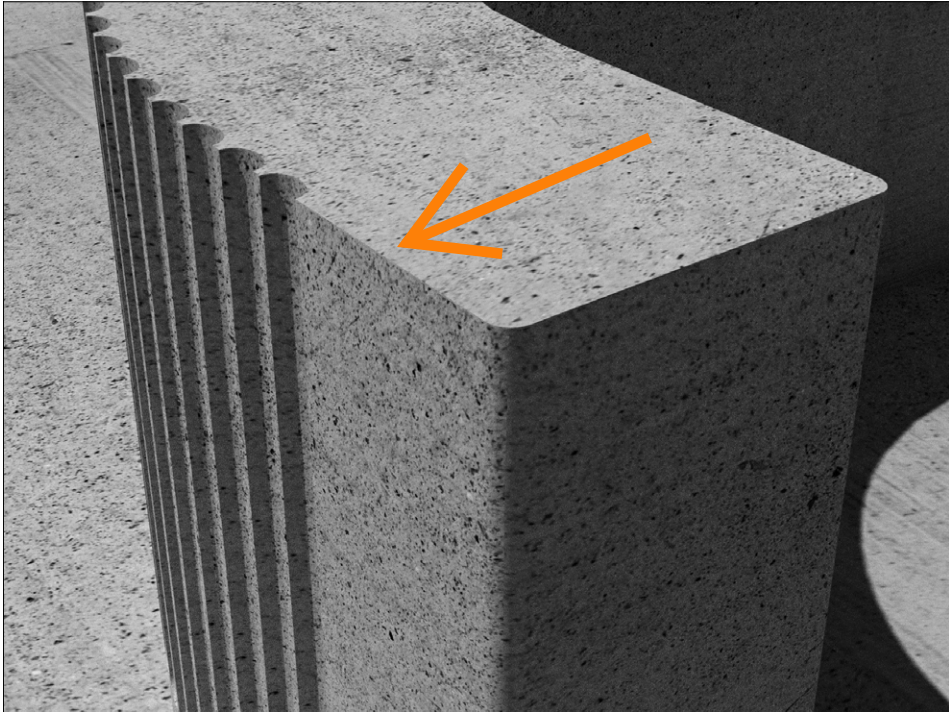


VIEW OF JUNCTION CHAMBER



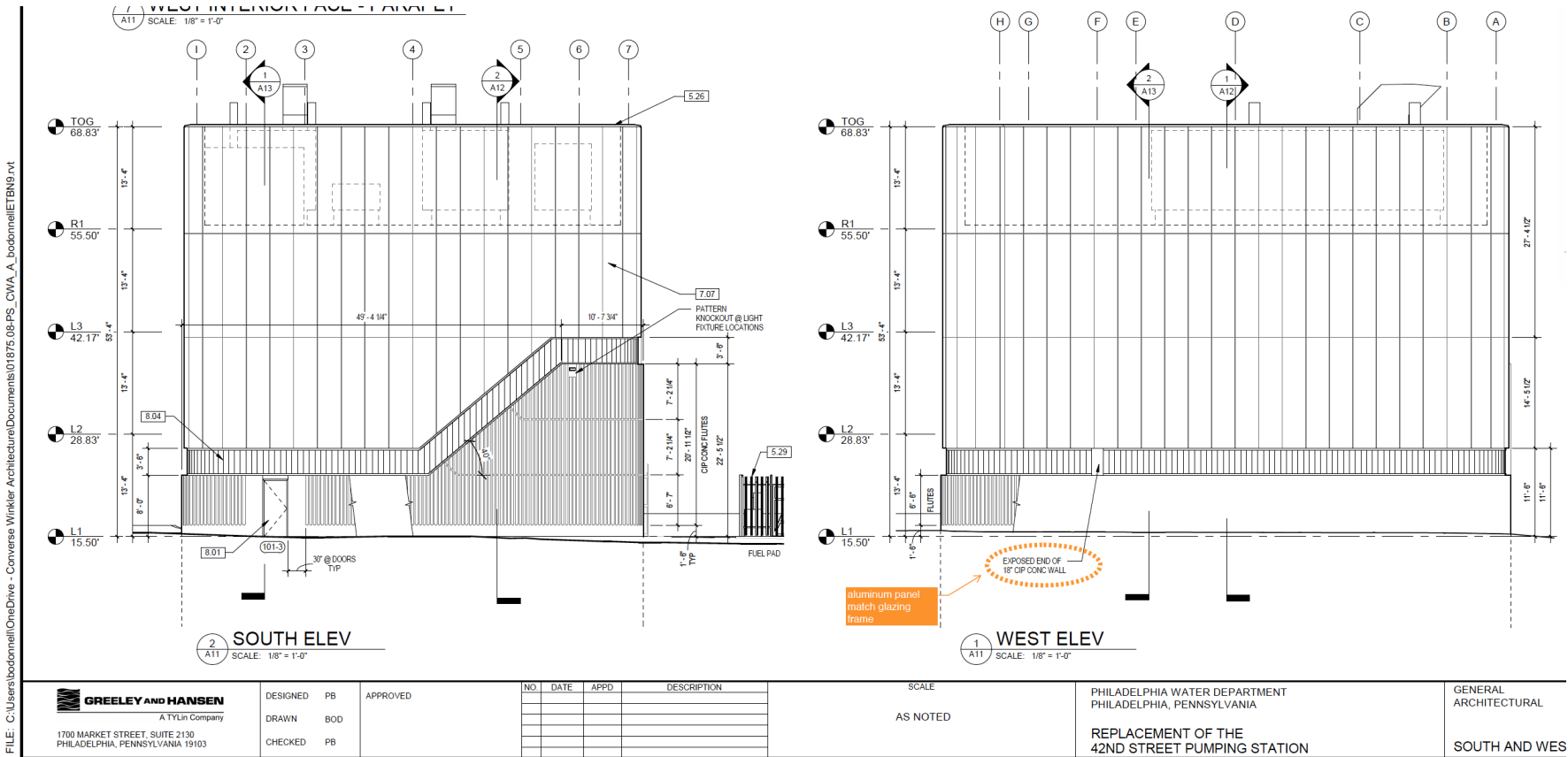
PLAN OF JC FORMLINER 1'=1 $\frac{1}{2}"$
SIMILAR TO RECKLI $\frac{1}{31}$ RIB TYPE C

42ND STREET PUMP STATION
PHILADELPHIA WATER DEPARTMENT
CWA 4 MARCH 2025
CONCRETE FORM LINER STUDY
JUNCTION CHAMBER



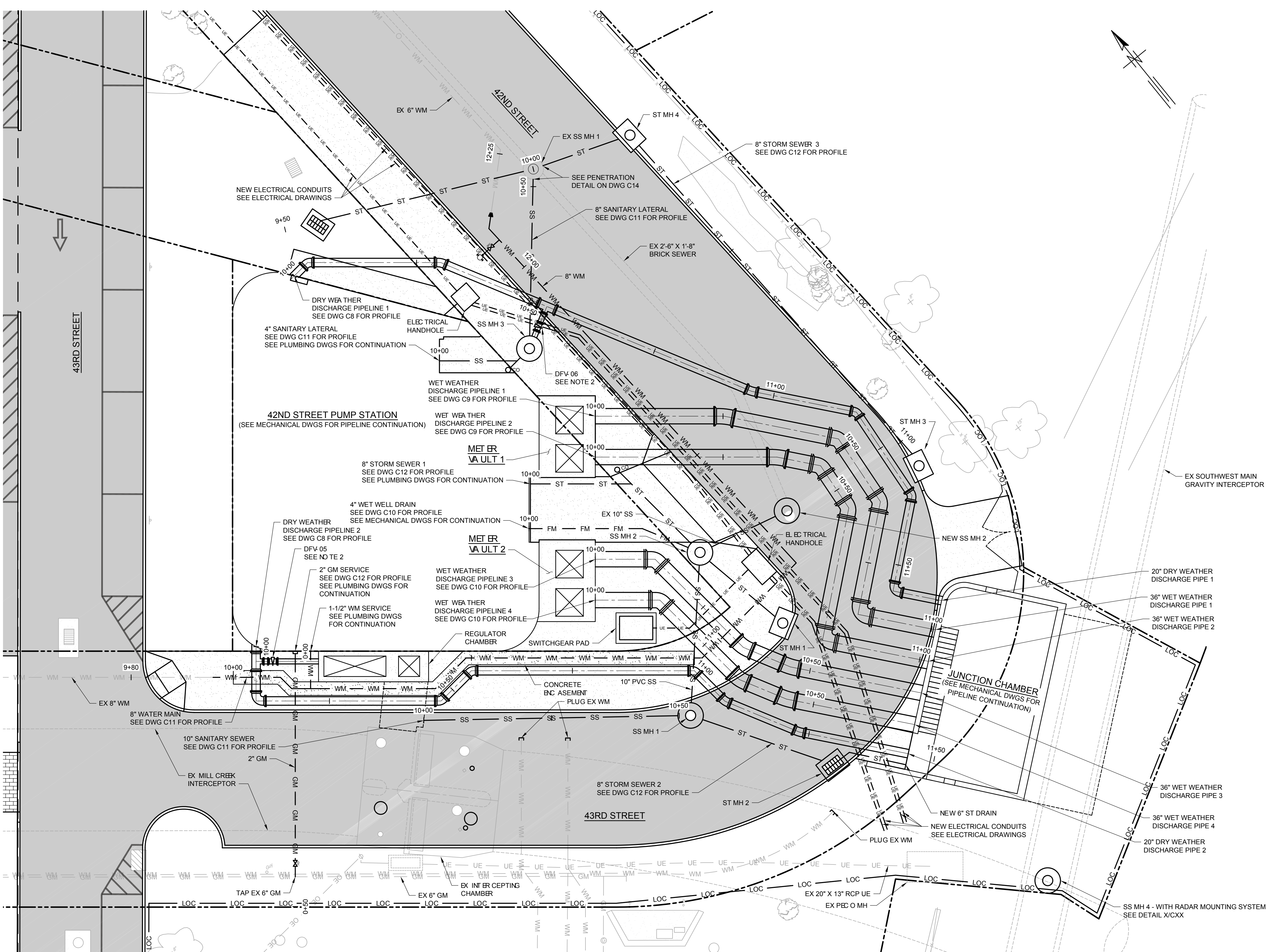
CORNER FILLET - 1.5" DIA.

PROJECT DIAGRAM



2025/02/26 3:09 PM
B:\PROJECTS\187_PWD\01875_08_REPLACE_42ND STREET PUMP STATION\04-DESIGN\CIVIL\3DCD\01875_08-C07.DWG T.M. MARCOTTE

T:\OGH-PHILDATA\187_PWD\01875_08_REPLACE_42ND STREET PUMP STATION\04-DESIGN\CIVIL\3DCD\01875_08-C07.DWG T.M. MARCOTTE



UTILITY PLAN
SCALE: 1" = 10'

- NOTES:
1. RESTRAIN ALL JOINTS FOR PRESSURIZED PIPES.
 2. REFER TO VALVE SCHEDULE ON M17 FOR MORE INFORMATION.

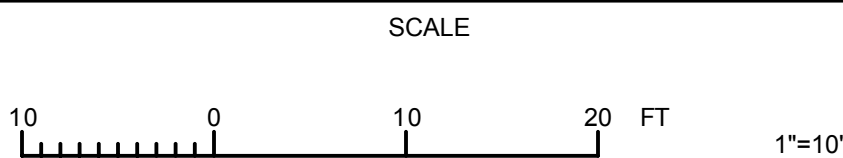
100% SUBMITTAL
NOT FOR CONSTRUCTION 12 MARCH 2025

GREELEY AND HANSEN
A TYLin Company
1700 MARKET STREET, SUITE 2130
PHILADELPHIA, PA 19103

DESIGNED CAM
DRAWN TSM
CHECKED JHL

APPROVED

NO.	DATE	APPD	REVISION DESCRIPTION

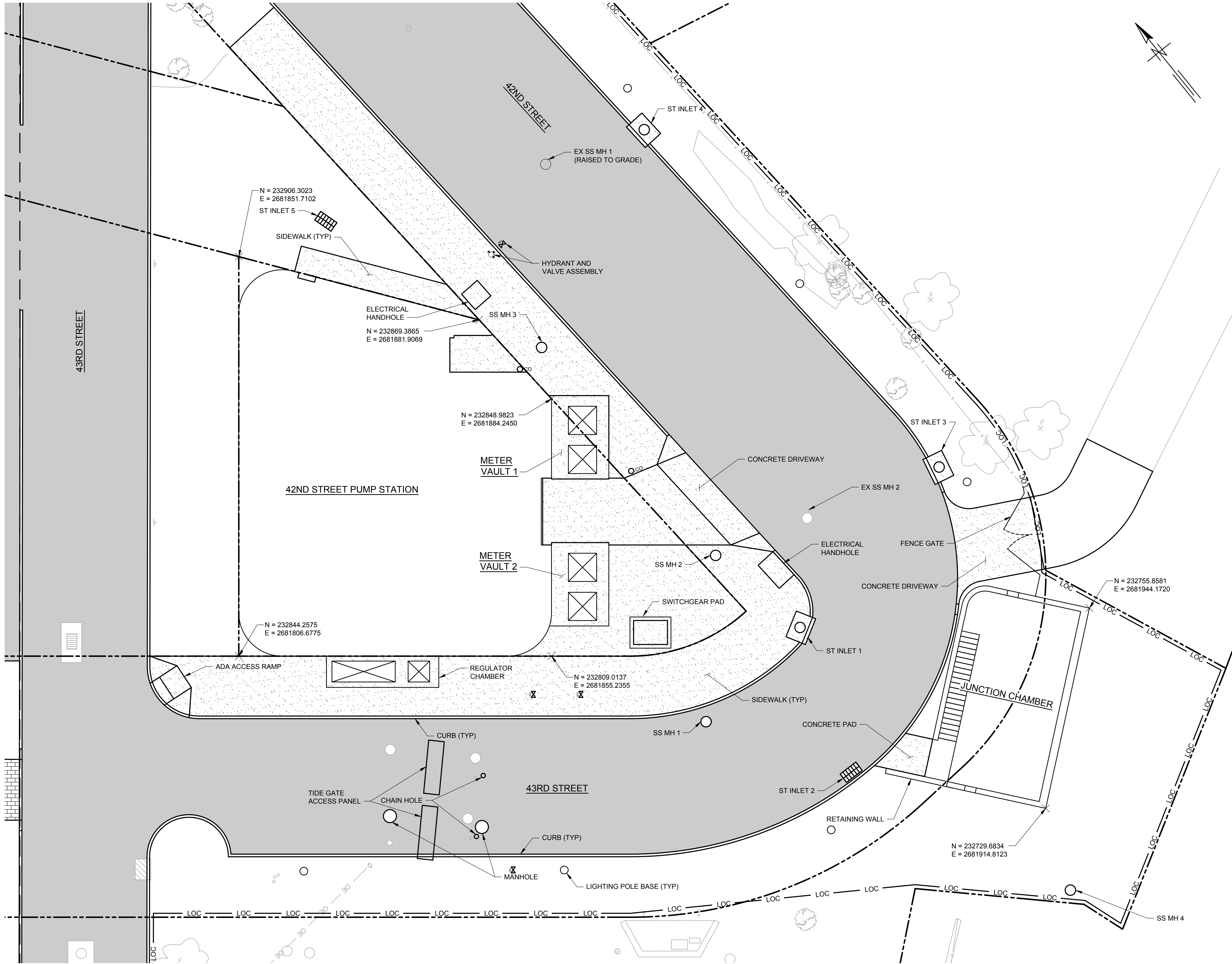


PHILADELPHIA WATER DEPARTMENT
PHILADELPHIA, PENNSYLVANIA
REPLACEMENT OF THE
42ND STREET PUMP STATION

CIVIL

UTILITY PLAN

DWG **C7**
SHEET 17 OF 210
DATE FEBRUARY 2025 REV 0



SITE PLAN
SCALE: 1" = 10'

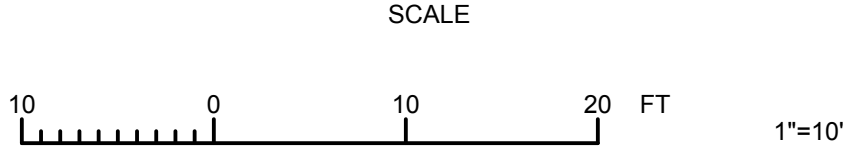
NOTES:
1. THE CALLOUTS WITH NORTHING AND EASTING VALUES ARE FOR BUILDING/STRUCTURE LOCATION. THE "CORNERS" OF THE BUILDING THAT HAVE A ROUNDED SHAPE ARE MARKED WHERE THE BUILDING/STRUCTURE WALLS WOULD COME TO A SINGLE POINT.

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PHILADELPHIA, PA 19103

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PHILADELPHIA WATER DEPARTMENT
PHILADELPHIA, PENNSYLVANIA
**REPLACEMENT OF THE
42ND STREET PUMP STATION**

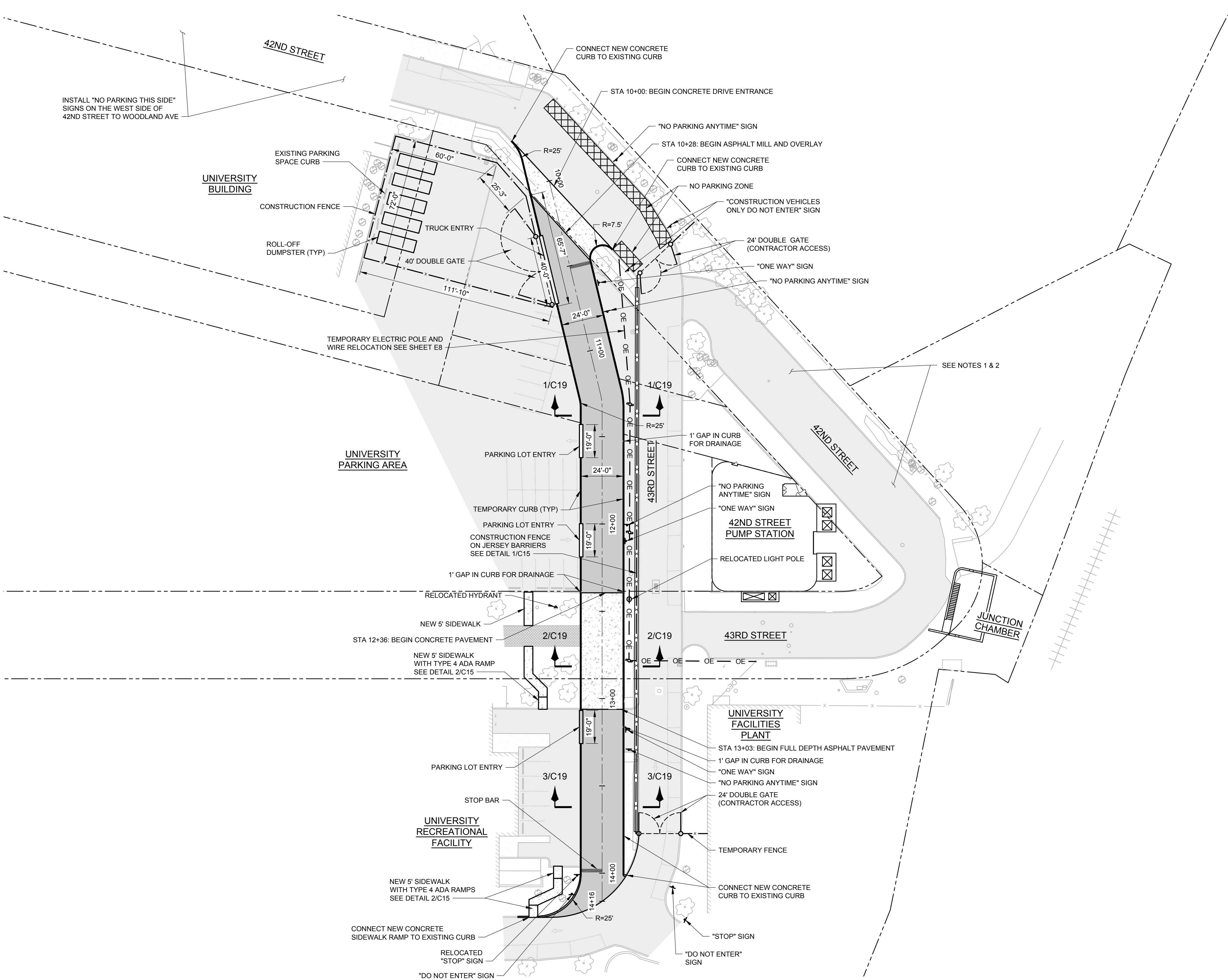
CIVIL

SITE PLAN

DWG

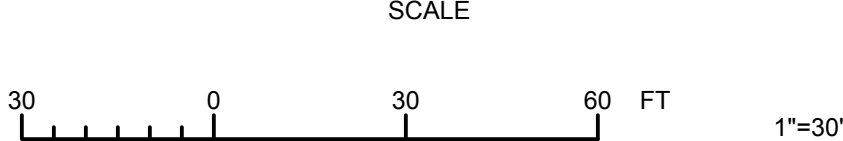
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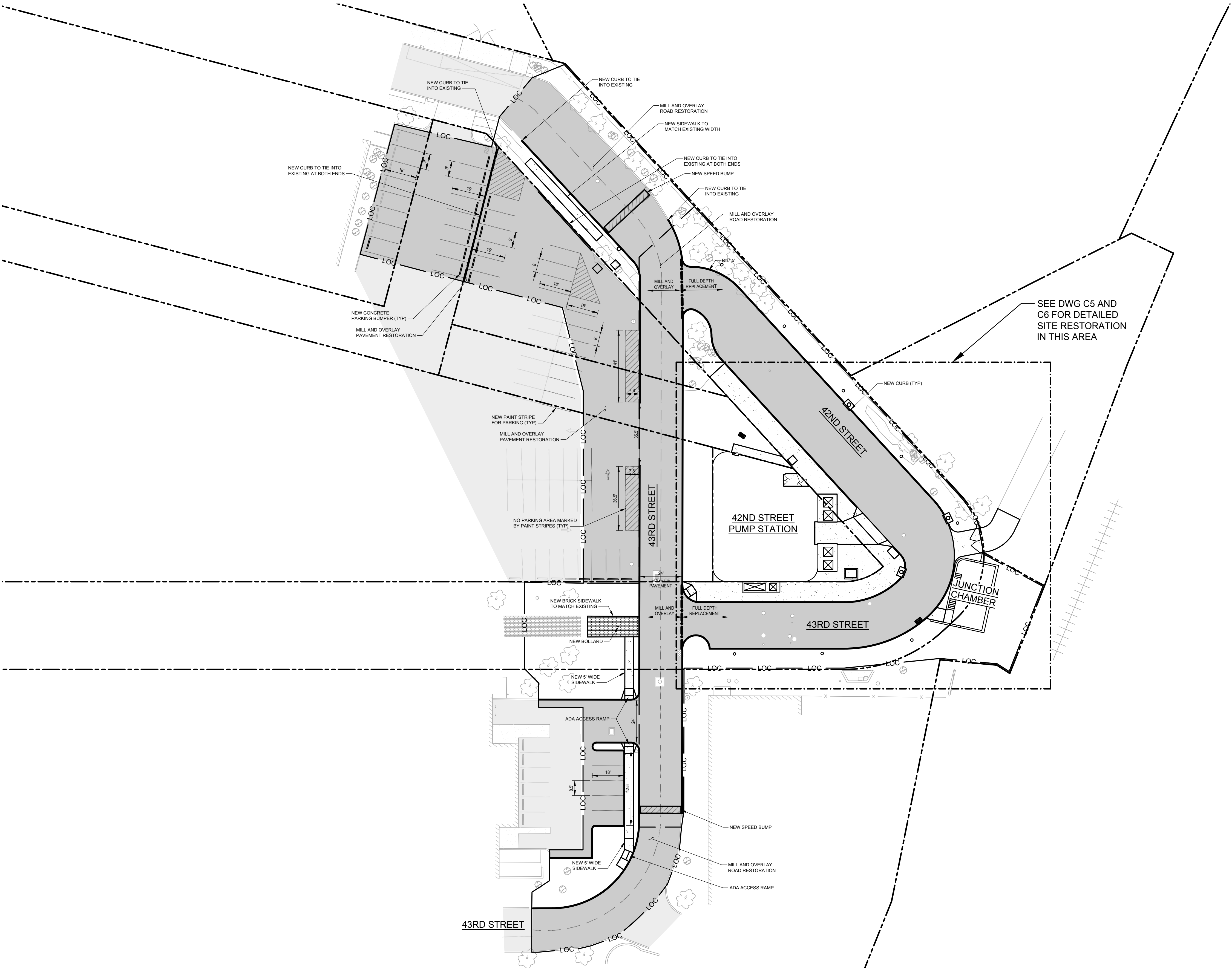
SHEET 17 OF 213
DATE APRIL 2025 REV 0



- NOTES:**
- CONTRACTOR SHALL, AT ALL TIMES, PROVIDE A 10-FOOT ACCESS TO SEPTA DRIVEWAY AT SOUTHEAST OF PROJECT SITE. ACCESS MUST BE MADE AVAILABLE AT ALL TIMES.
 - SHUTDOWNS OR DISRUPTIONS TO ACCESS IS TO BE COORDINATED WITH SEPTA.

NO.	DATE	APPD	REVISION DESCRIPTION





FINAL SITE RESTORATION PLAN

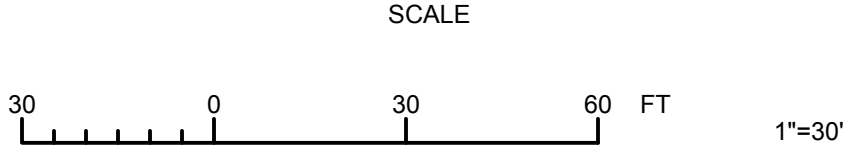
SCALE: 1" = 30'

GREELEY AND HANSEN
A TYLin Company
1700 MARKET STREET, SUITE 2130
PHILADELPHIA, PA 19103

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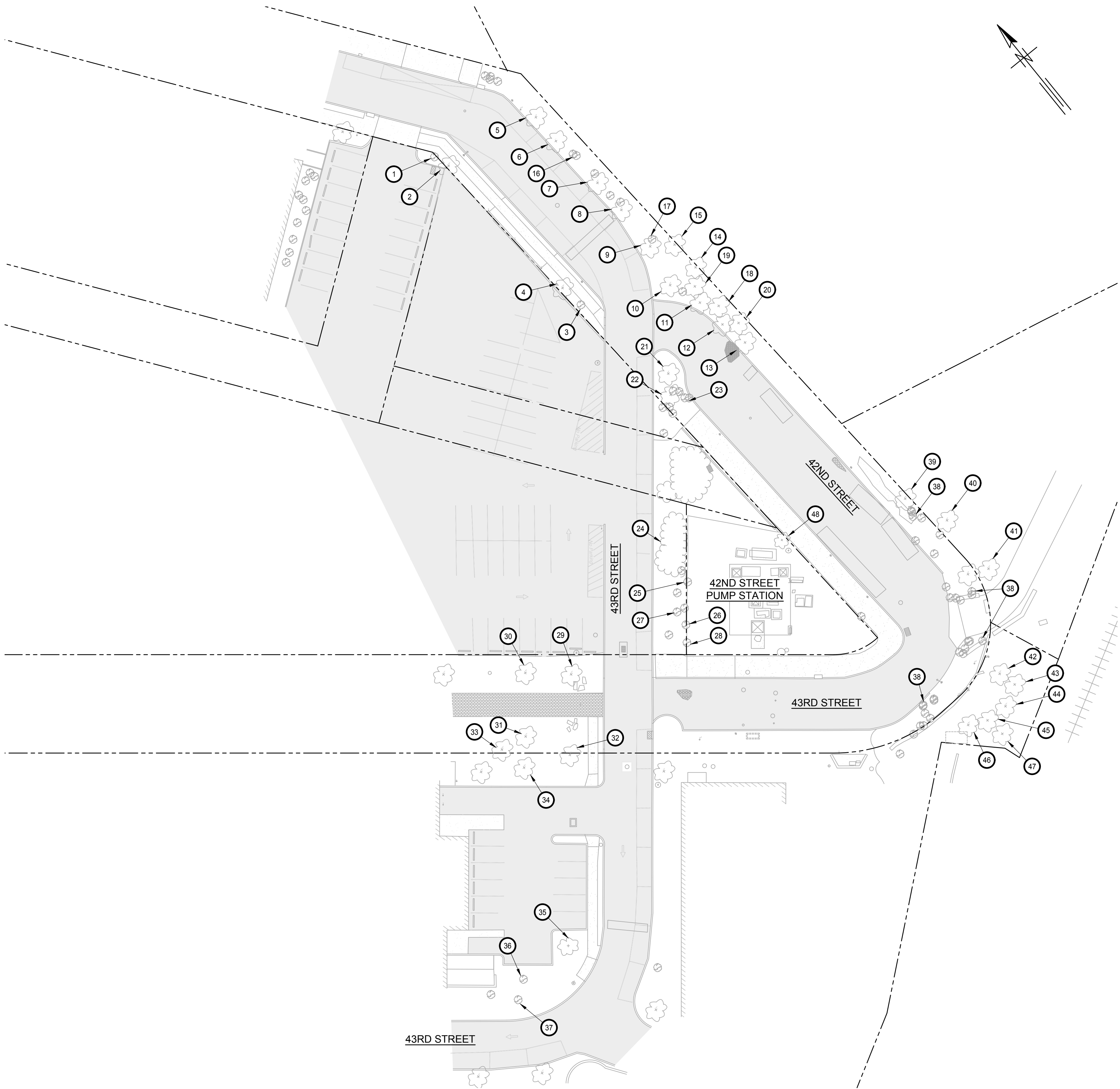


PHILADELPHIA WATER DEPARTMENT
PHILADELPHIA, PENNSYLVANIA
REPLACEMENT OF THE
42ND STREET PUMPING STATION

CIVIL
FINAL SITE RESTORATION PLAN

DWG **C20**
SHEET 34 OF 213
DATE APRIL 2025 REV 0

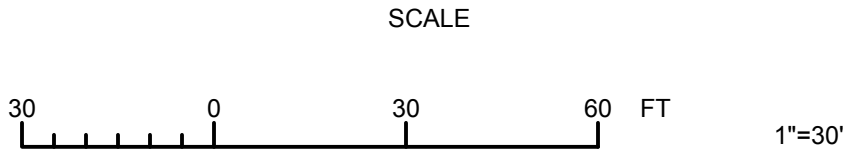
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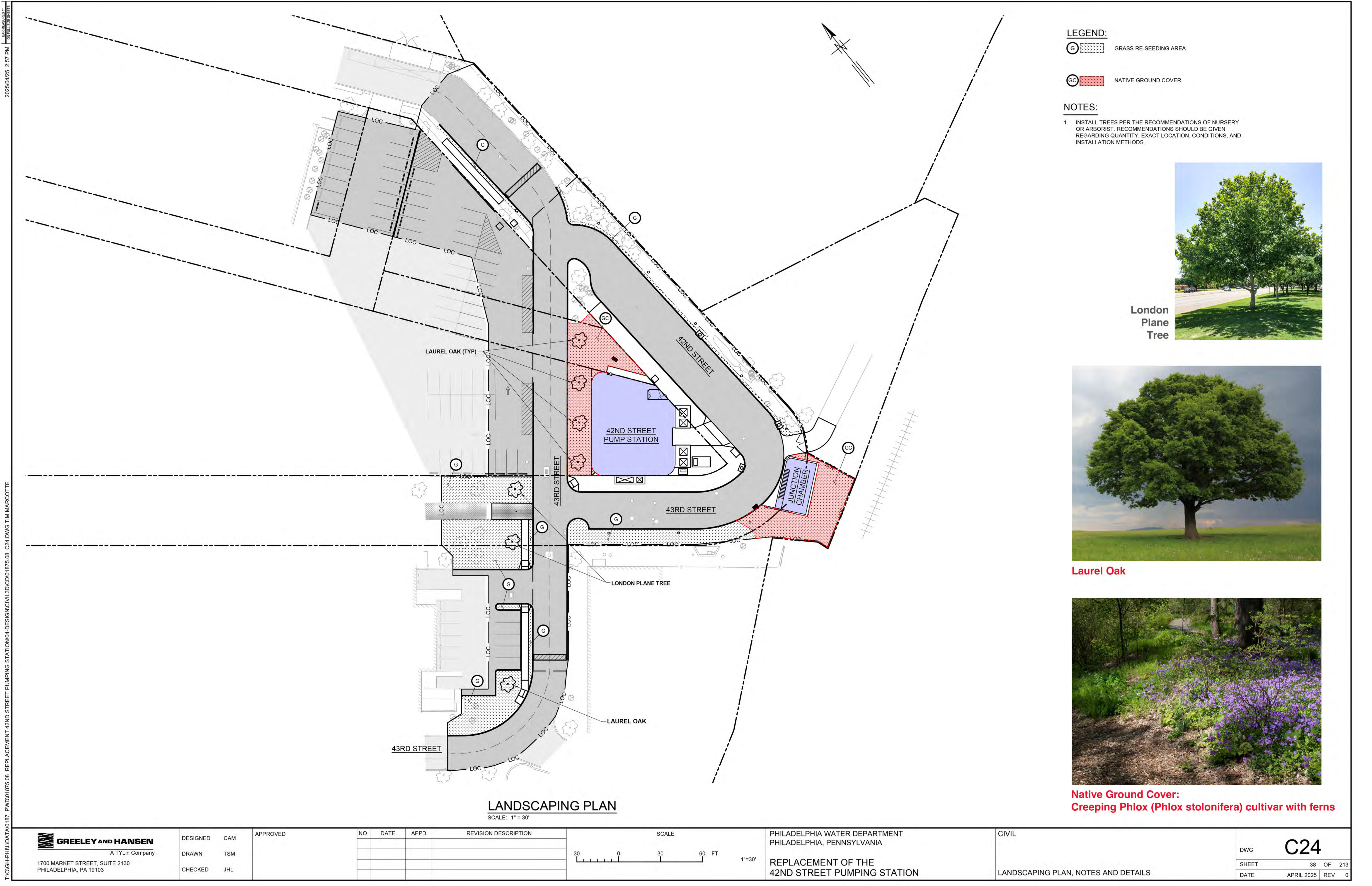


TREE AND SHRUB INVETORY PLAN
SCALE: 1" = 30'

TREES AND SHRUBS INVENTORY						
Tree and Shrub Number	Common Name	Scientific Name	Heritage Tree Species	Diameter at 4.5 feet (DBH) in inches or in 1'x1'x1' for shrubs	Condition	Preserve or Remove
1	Pin Oak	Quercus palustris	X	22"	Poor	Preserve
2	Amur Honeysuckle	Lonicera maackii		4'x4'x4'	Fair	Preserve
3	Pin Oak	Quercus palustris	X	26"	Poor	Preserve
4	Euonymus Sp	Euonymus Sp		4'x4'x4'	Good	Preserve
5	Eastern Redbud	Cercis canadensis		14"	Fair	Preserve
6	Eastern Redbud	Cercis canadensis		7"	Poor	Preserve
7	Eastern Redbud	Cercis canadensis		8"	Fair	Preserve
8	Eastern Redbud	Cercis canadensis		7"	Good	Preserve
9	Eastern Redbud	Cercis canadensis		8"	Fair	Preserve
10	Eastern Redbud	Cercis canadensis		8"	Good	Preserve
11	Siberian Elm	Ulmus pumila		11"	Poor	Preserve
12	Siberian Elm	Ulmus pumila		7"	Fair	Preserve
13	Siberian Elm	Ulmus pumila		10"	Poor	Preserve
14	Black Cherry	Prunus serotina	X	25"	Poor	Preserve
15	Paper Mulberry	Broussonetia papyrifera		12"	Good	Preserve
16	Skip Cherry Laurel	Prunus laurocerasus 'Schipkaensis'		4'x4'x4'	Good	Preserve
17	Amur Honeysuckle	Lonicera maackii		4'x4'x4'	Good	Preserve
18	Hackberry	Celtis occidentalis	X	3" caliper	Fair	Preserve
19	Eastern Redbud	Cercis canadensis		2" caliper	Poor	Preserve
20	Siberian Elm	Ulmus pumila		3" caliper	Poor	Preserve
21	Eastern Redbud	Cercis canadensis		8"	Fair	Preserve
22	Eastern Redbud	Cercis canadensis		10"	Fair	Preserve
23	Red Osier Dogwood and Witch Hazel	Cornus sericea and Hamamelis sp		2'x2'x2' by 3 plants	Fair	Preserve
24	Euonymus Sp	Euonymus Sp		8'x18'x8' by 5 plants	Good	Remove
25	Laurel Oak	Quercus laurifolia	X	14"	Good	Remove
26	Laurel Oak	Quercus laurifolia	X	13"	Good	Remove
27	Viburnum Sp.	Viburnum Sp.		6'x4'x6' by 2 plants	Good	Remove
28	Euonymus Sp	Euonymus Sp		8'x10'x24' by 6 plants	Good	Remove
29	London Plane Tree	Platanus x acerifolia	X	20"	Good	Remove
30	London Plane Tree	Platanus x acerifolia	X	19"	Good	Preserve
31	London Plane Tree	Platanus x acerifolia	X	14"	Good	Preserve
32	Laurel Oak	Quercus laurifolia	X	16"	Good	Remove
33	Serviceberry	Amelanchier spp		16"	Good	Preserve
34	Serviceberry	Amelanchier spp		16"	Good	Preserve
35	Laurel Oak	Quercus laurifolia	X	12"	Good	Remove
36	Serviceberry	Amelanchier spp		14"	Poor	Preserve
37	Serviceberry	Amelanchier spp		16"	Fair	Preserve
38	See written description. Refer to report titled '42nd Street Pump Station Tree Assessment Report, Map and Photots' by ProTree Services. Refer to report titled '42nd Street Pump Station Tree Assesment Report, Map and Photos' by ProTree Service.				Good	Remove
39	Siberian Elm	Ulmus pumila		16"	Fair	Preserve
40	Siberian Elm	Ulmus pumila		16"	Fair	Preserve
41	Tree of Heaven	Ailanthus altissima		20"	Poor	Preserve
42	Siberian Elm	Ulmus pumila		24"	Fair	Remove
43	Red Mulberry	Morus rubra	X	16"	Good	Remove
44	Siberian Elm	Ulmus pumila		30"	Fair	Remove
45	Black Walnut	Juglans nigra	X	6"	Good	Remove
46	Siberian Elm	Ulmus pumila		24"	Fair	Remove
47	Siberian Elm	Ulmus pumila		18"	Fair	Remove
48	Tree of Heaven	Ailanthus altissima		8"	Good	Remove


NO.	DATE	APPD	REVISION DESCRIPTION





LEGEND:

 GRASS RE-SEEDING AREA

 NATIVE GROUND COVER

NOTES:

1. INSTALL TREES PER THE RECOMMENDATIONS OF NURSERY OR ARBORIST. RECOMMENDATIONS SHOULD BE GIVEN REGARDING QUANTITY, EXACT LOCATION, CONDITIONS, AND INSTALLATION METHODS.

London
Plane
Tree



Laurel Oak



Native Ground Cover:
Creeping Phlox (*Phlox stolonifera*) cultivar with ferns

LANDSCAPING PLAN

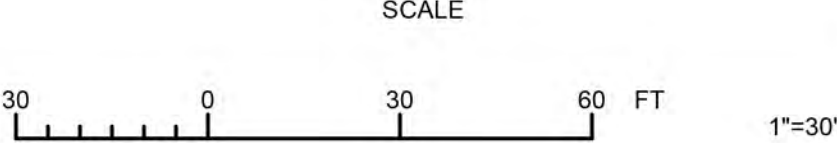
SCALE: 1"=30'

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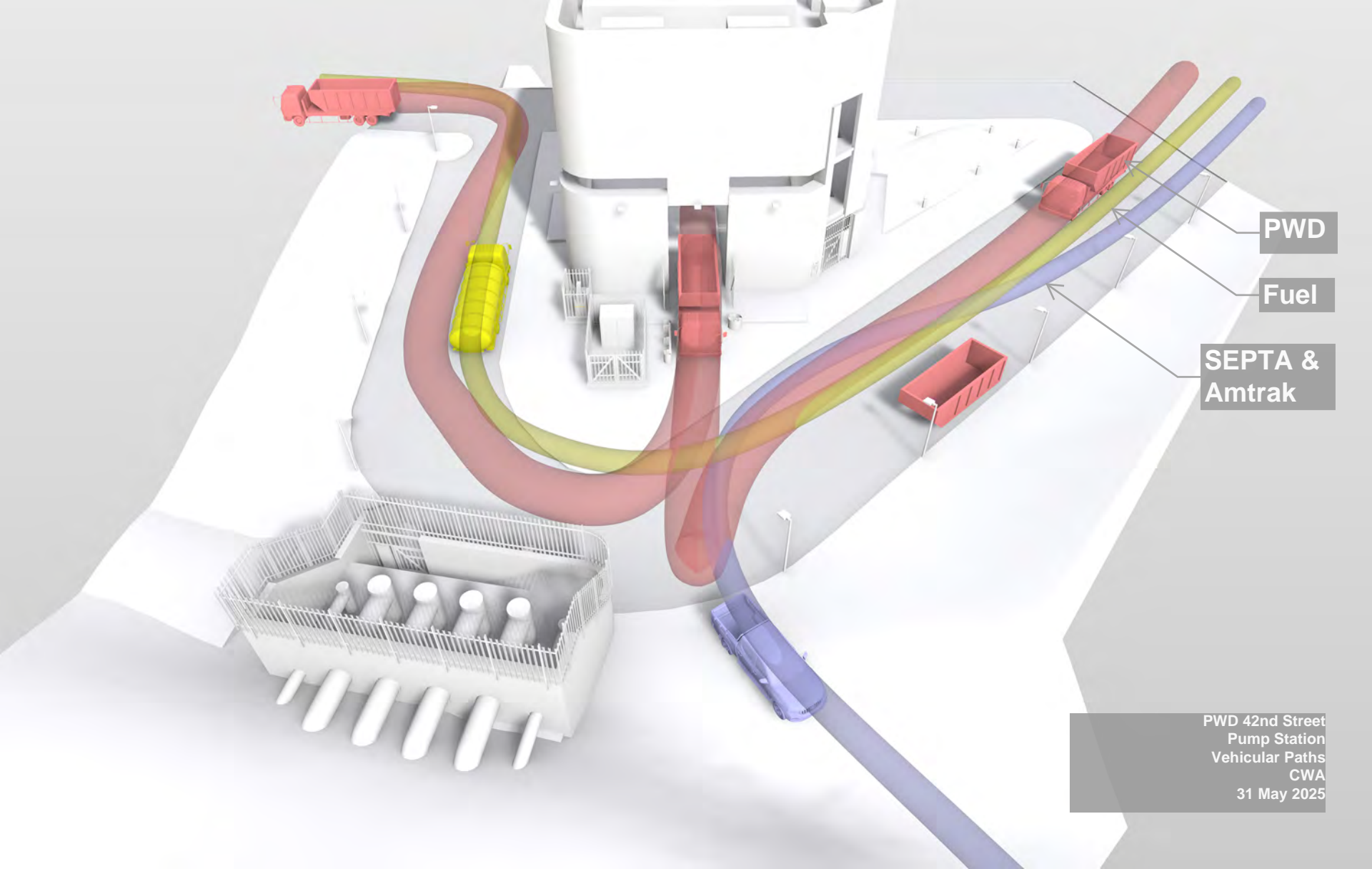


PHILADELPHIA WATER DEPARTMENT
PHILADELPHIA, PENNSYLVANIA
REPLACEMENT OF THE
42ND STREET PUMPING STATION

CIVIL

LANDSCAPING PLAN, NOTES AND DETAILS

DWG **C24**
SHEET 38 OF 213
DATE APRIL 2025 REV 0



PWD

Fuel

SEPTA &
Amtrak

PWD 42nd Street
Pump Station
Vehicular Paths
CWA
31 May 2025

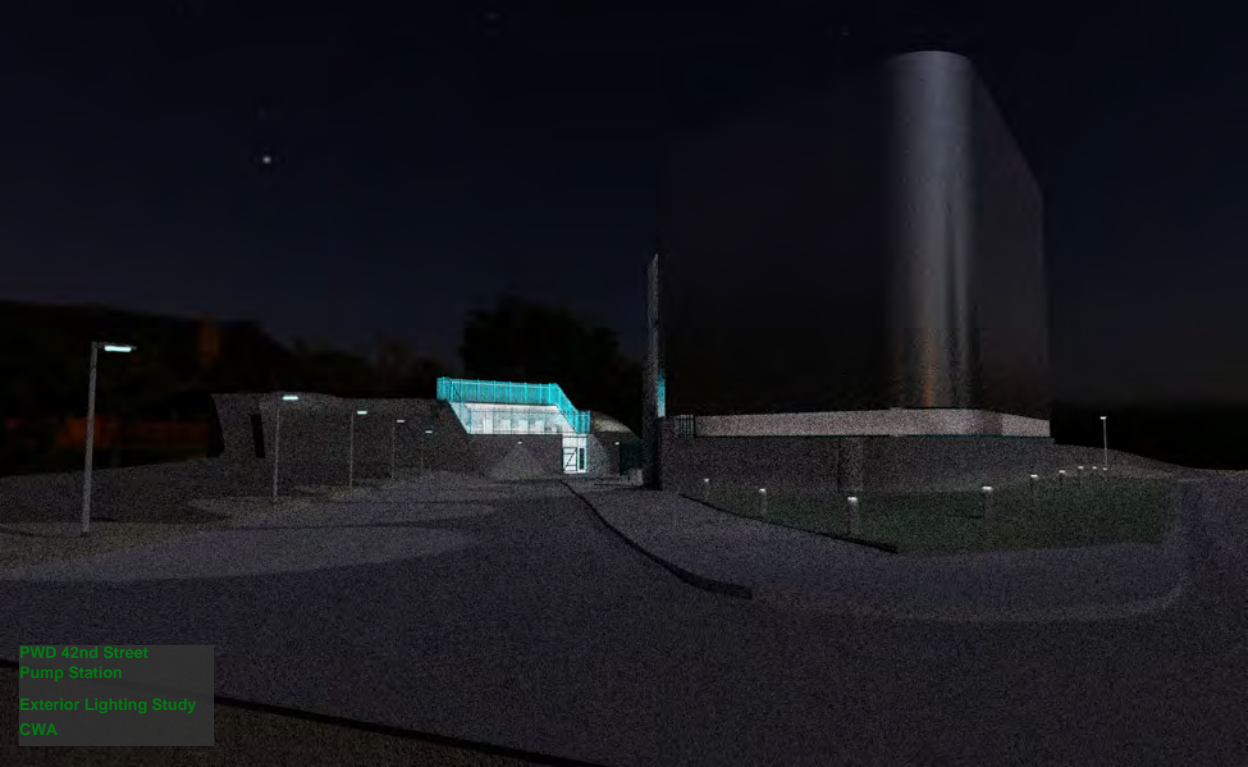
PWD 42ND STREET
SITE LUMINAIRES



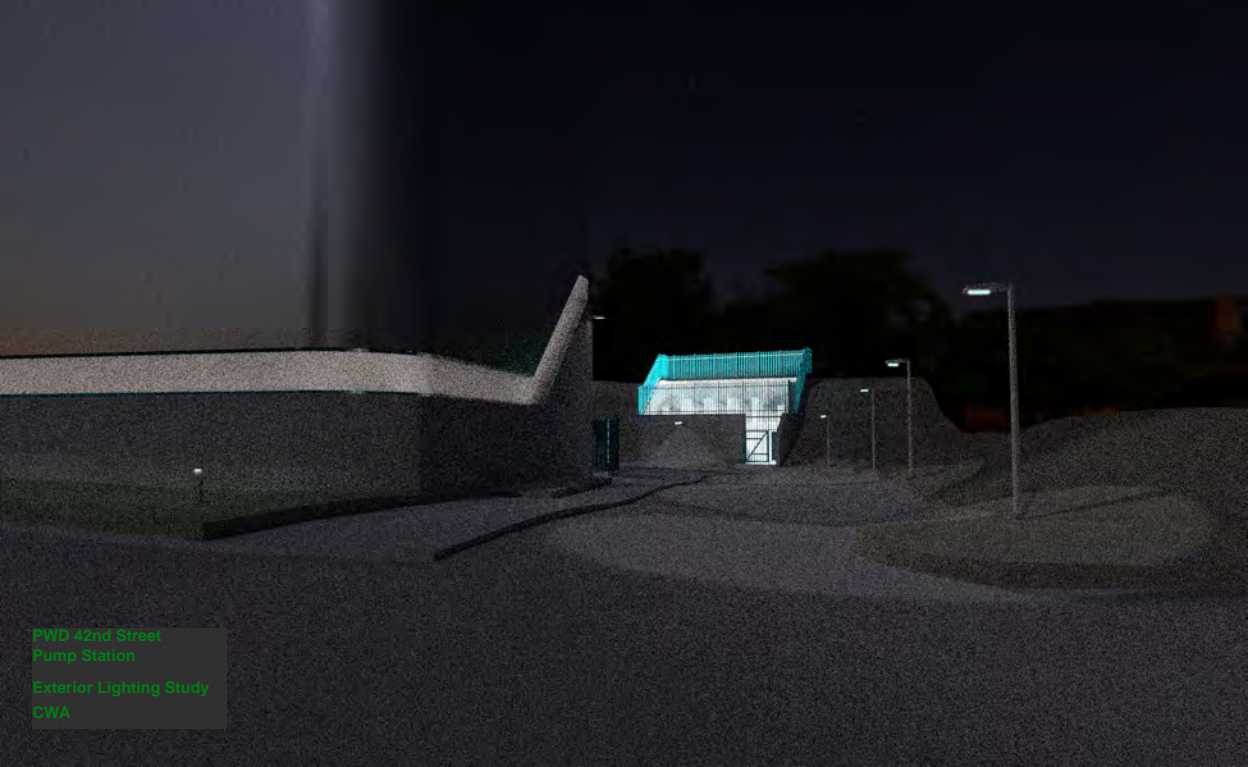
PWD 42nd Street
Pump Station

Exterior Lighting Study
CWA



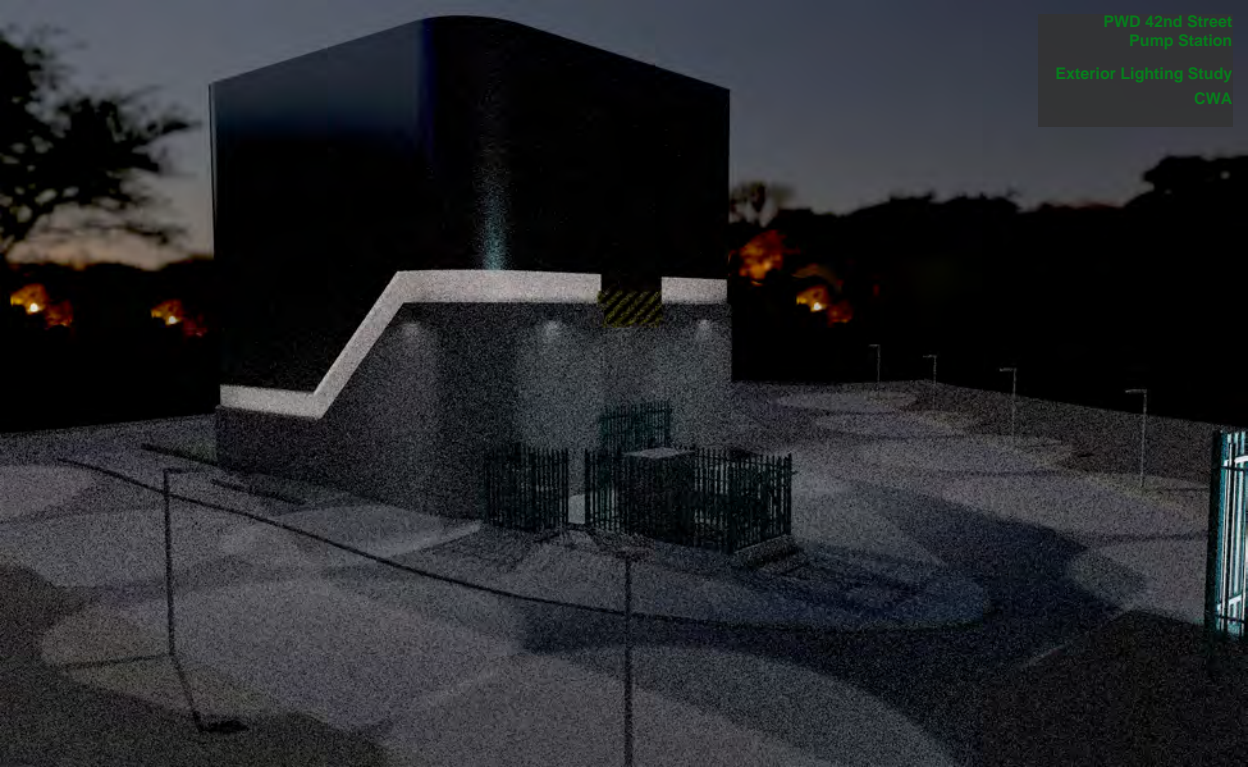


PWD 42nd Street
Pump Station
Exterior Lighting Study
CWA



PWD 42nd Street
Pump Station

Exterior Lighting Study
CWA





PWD 42nd Street
Pump Station
Exterior Lighting Study
CWA

