



University of  
**Pittsburgh**

# Envisioning the Future

*University of Pittsburgh  
Pittsburgh Campus*

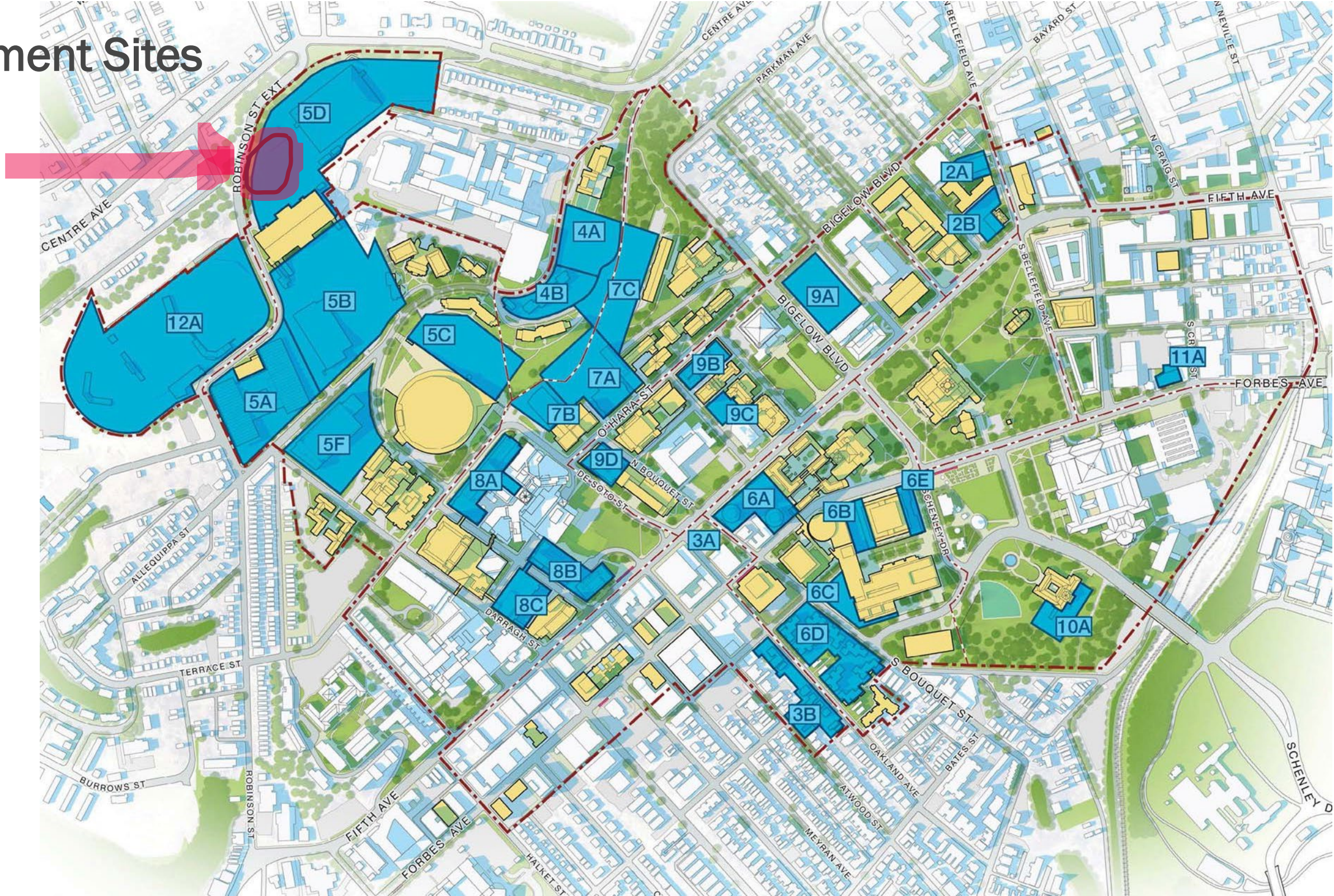
## Upper Campus Chilled Water Plant

*DRAFT April 29, 2020*

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Institutional Master Plan Overview

10-Year Development Sites



# University of Pittsburgh Upper Campus Chilled Water Plant

Warm air exhausted from cooling process



Air conditioning to room

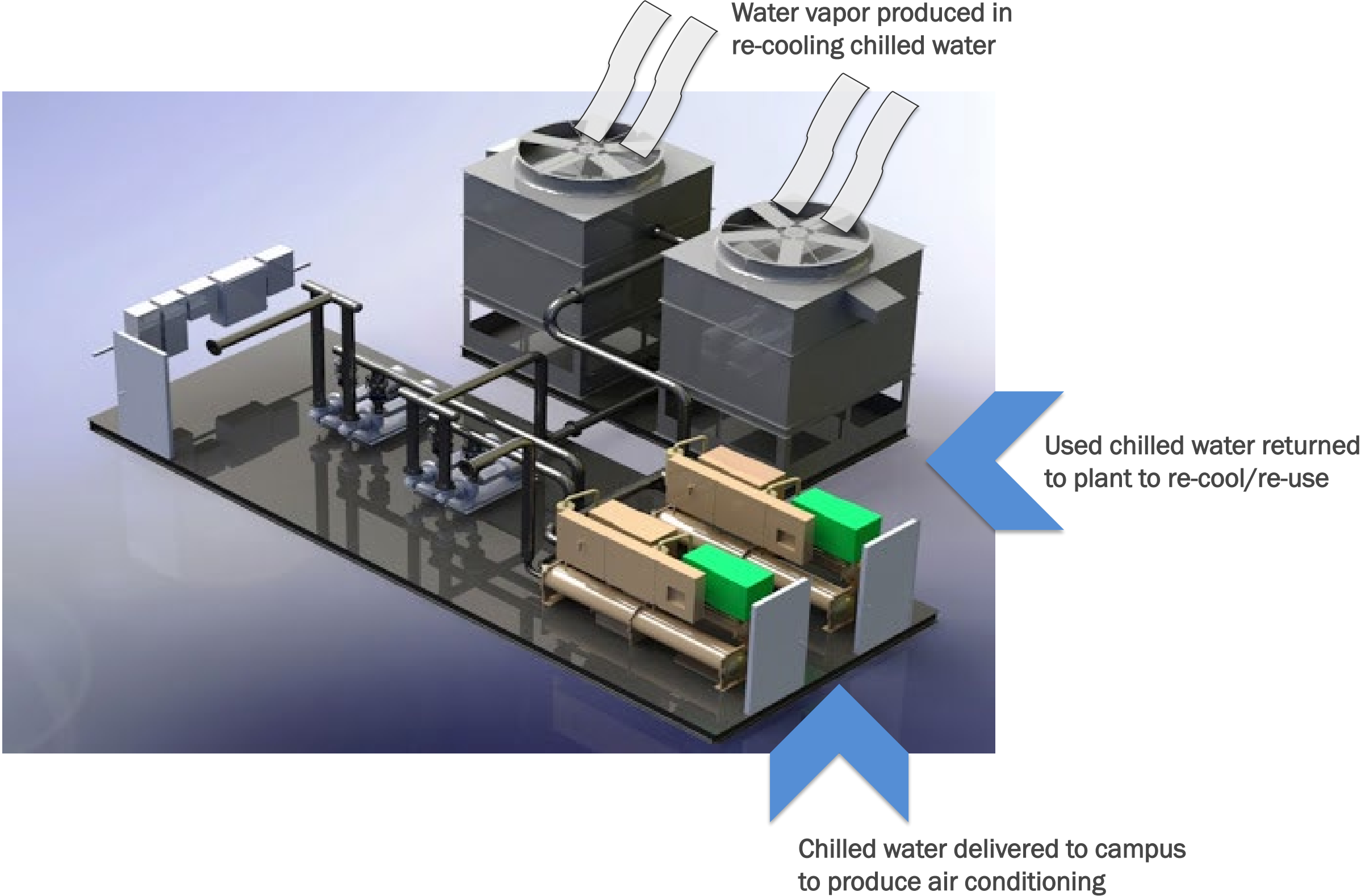
Air conditioning to home



Warm air rejected from cooling process



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# University of Pittsburgh Upper Campus Chilled Water Plant

## Existing Chiller Plants on Campus



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Existing Conditions – Site Plan

Sports Inflatable Dome

Recreational Fields

Parking

Turnaround

VA

Towerview Garage/Cost Ctr



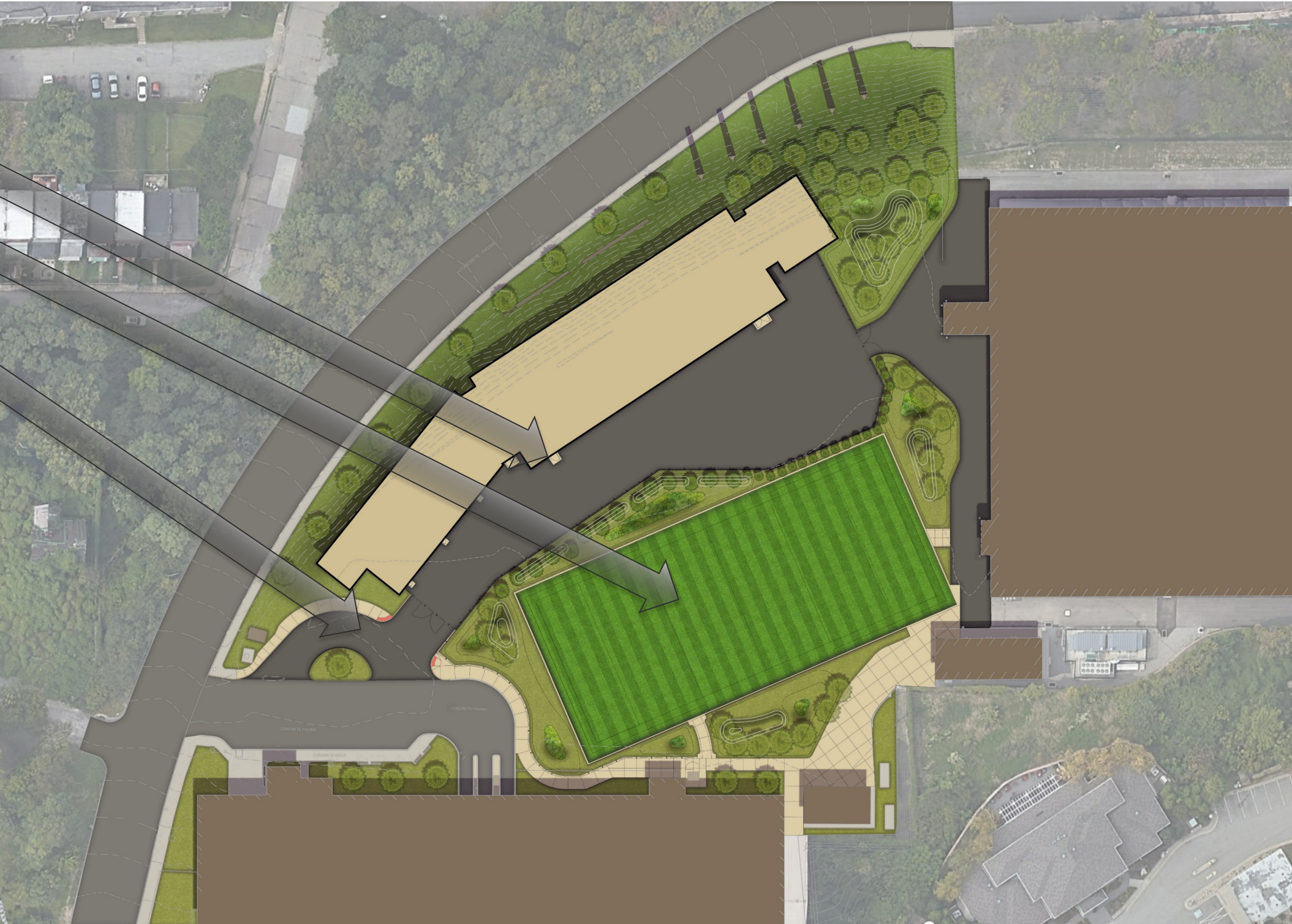
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Proposed Site Plan

New Chiller Plant & Drive

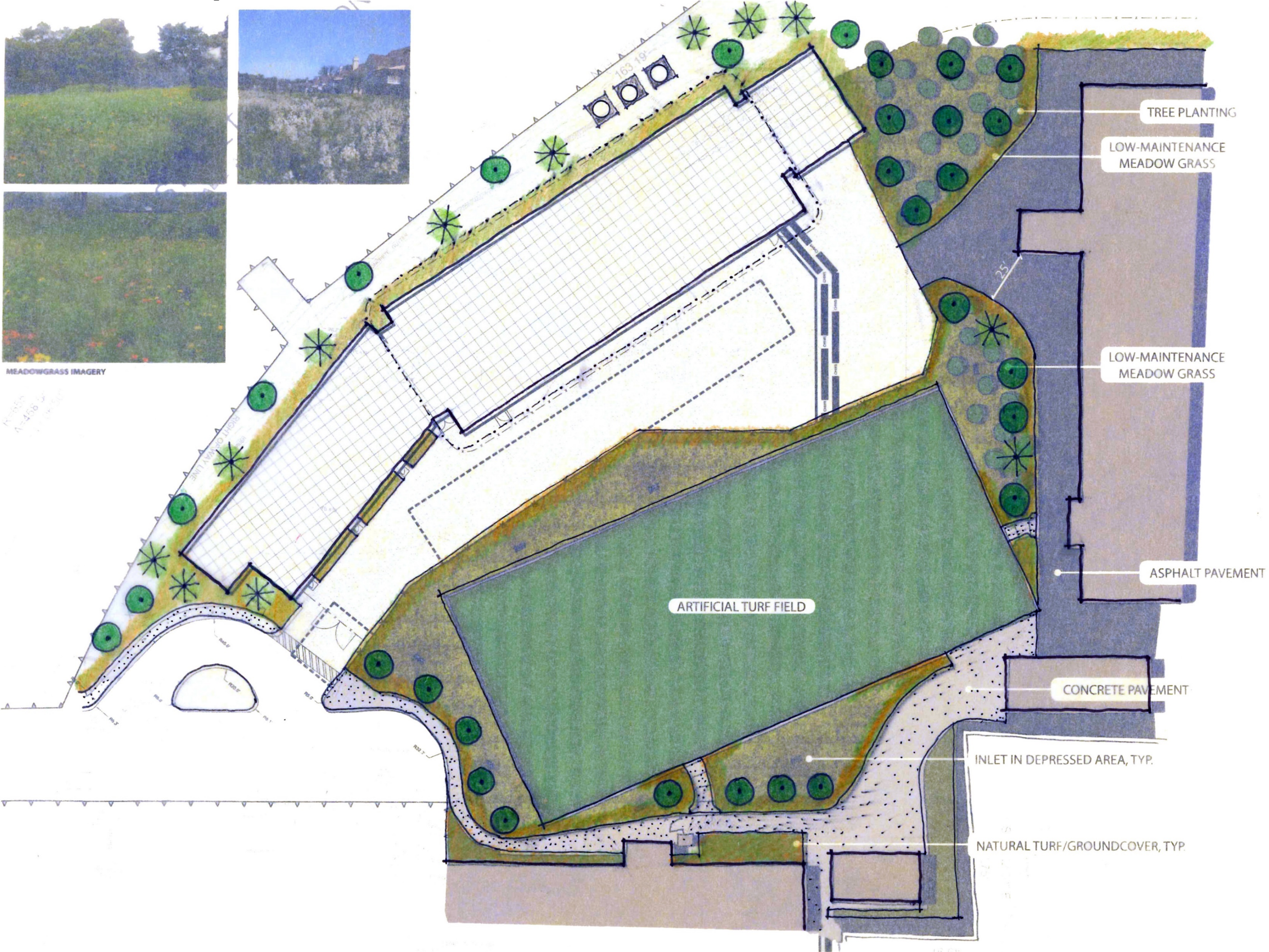
Replaced Recreational Field

Reconfigured Turnaround



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Proposed Landscape Plan



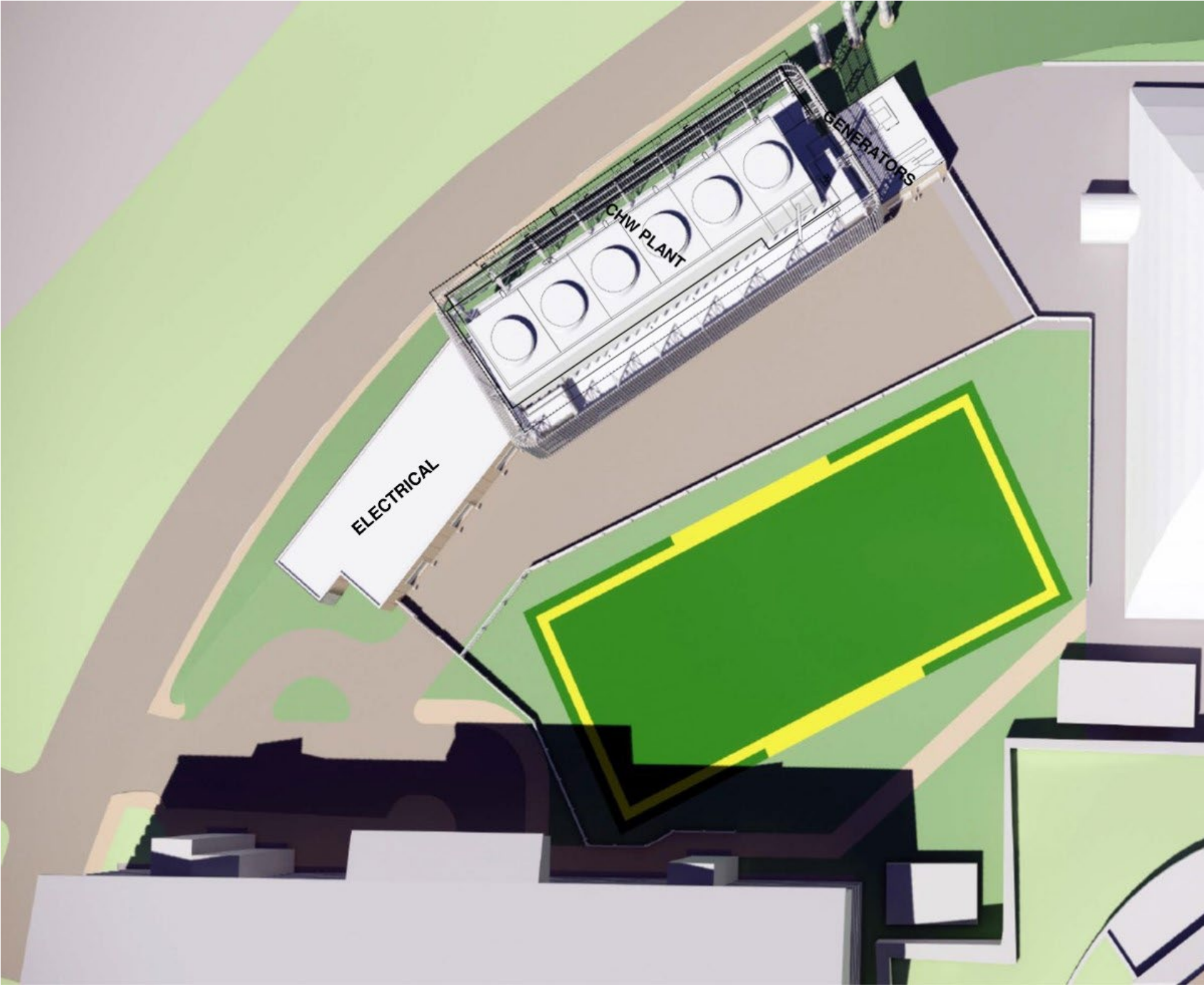


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# Chiller Water Plant Building

**PROJECT DATA:**

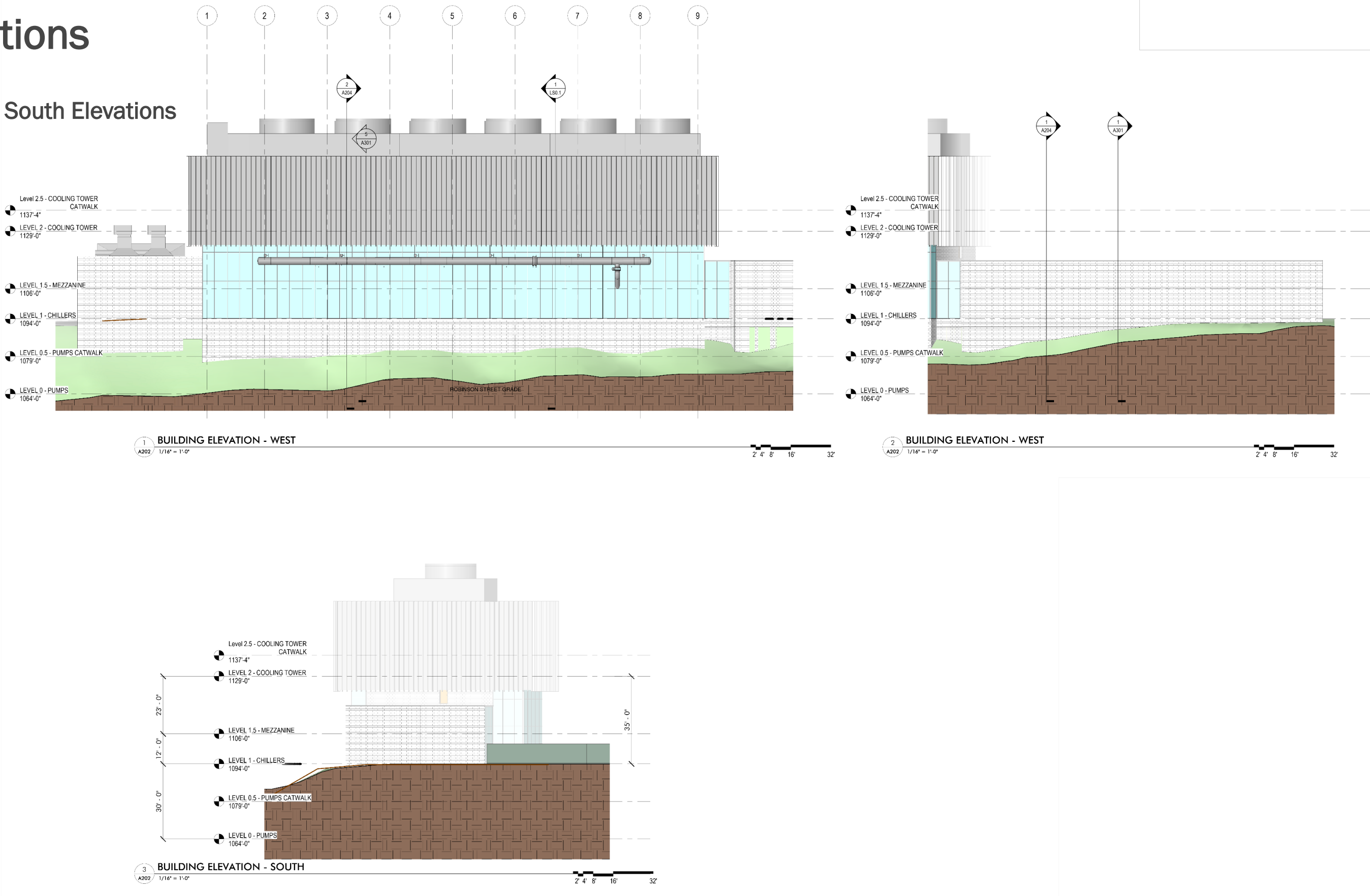
- **Uses** Chilled Water to provide air-conditioning capacity for new buildings and redundancy/resiliency to the overall chilled water system. 24/7/365 minimally occupied facility
- **GSF** Approx. 45,000
- **Parking** None
- **Setbacks** TBD with IMP
- **Height** Approx. 75', 3 stories – partial below grade
- **Step backs** None
- **Environment** Negligible; Emits water vapor, lights on building for security, and noise below allowable City threshold



# University of Pittsburgh Upper Campus Chilled Water Plant

## Elevations

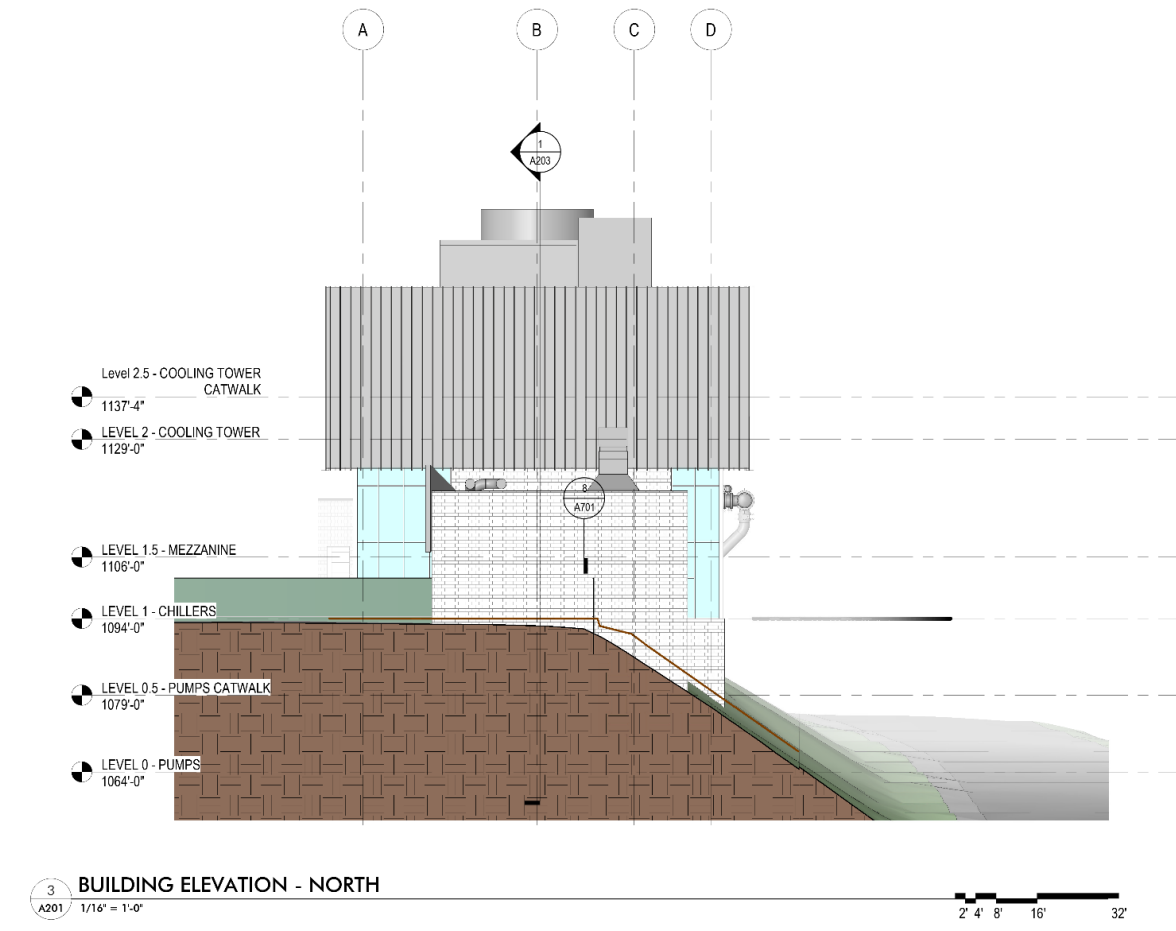
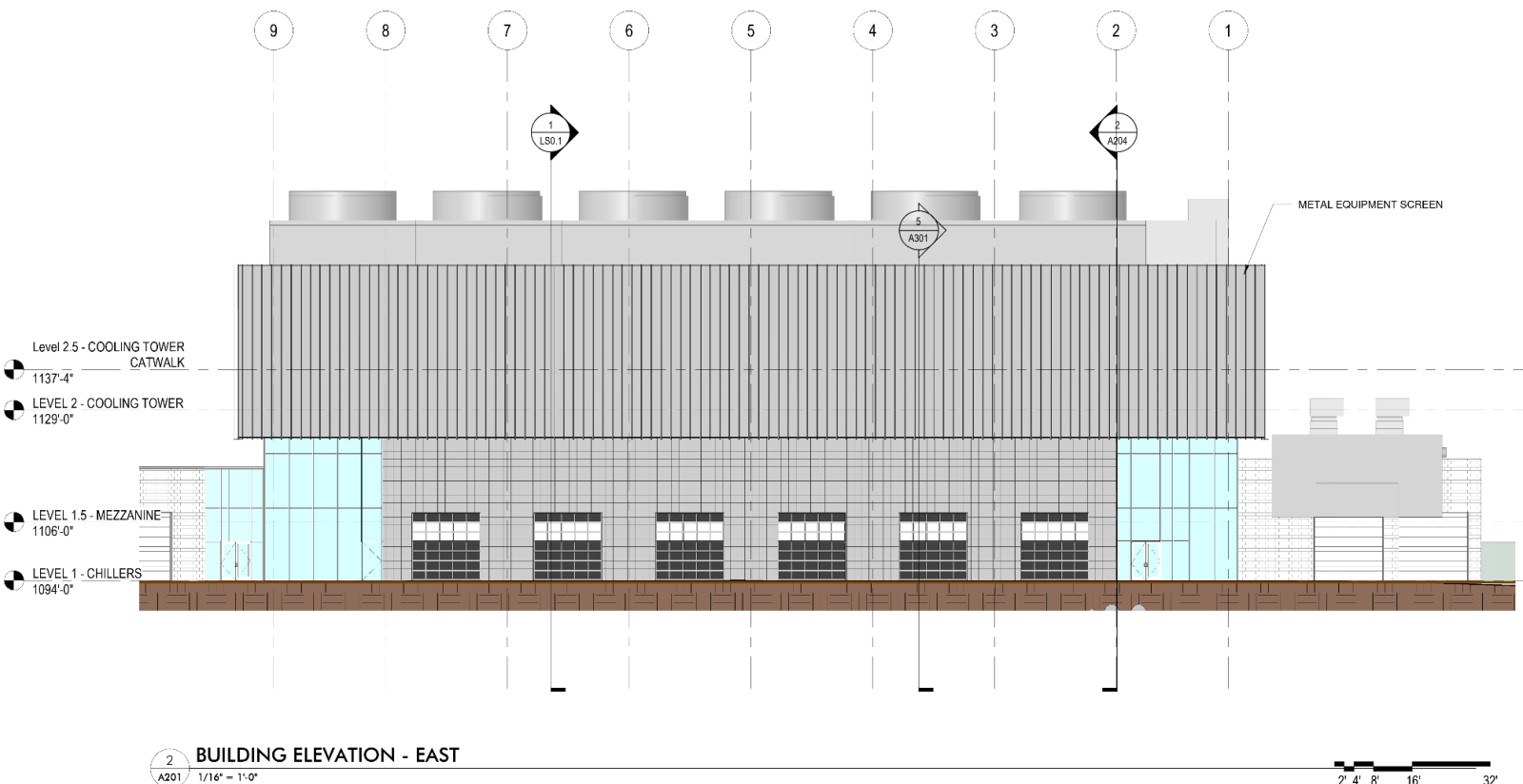
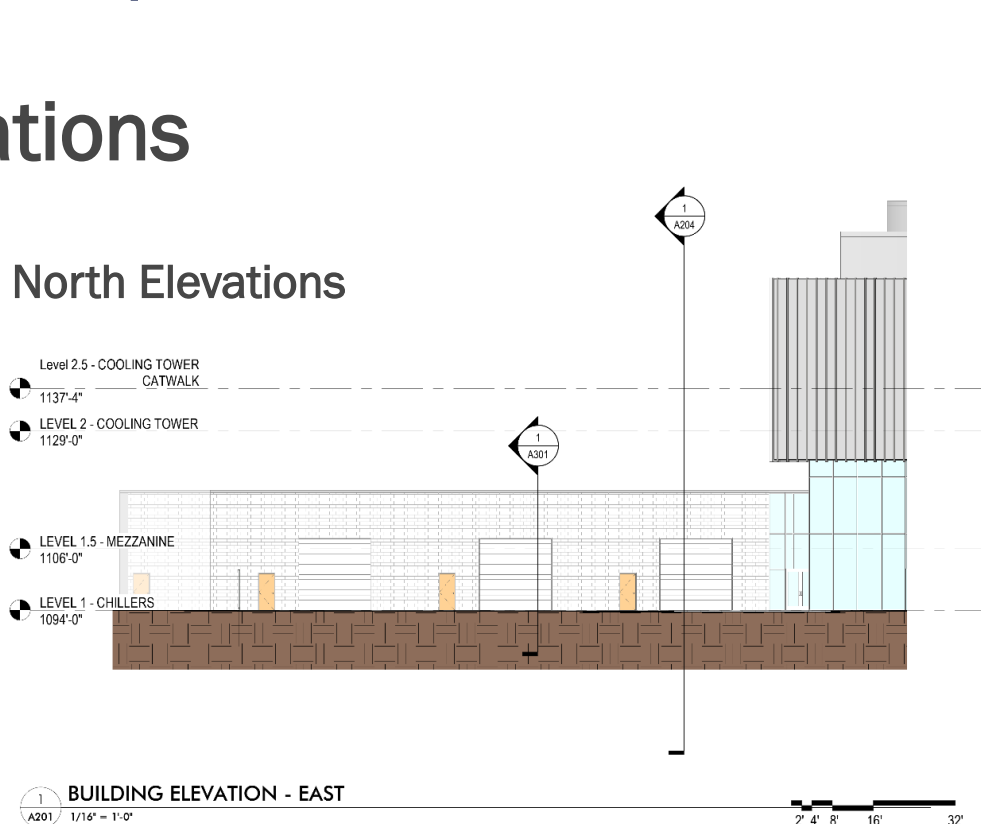
### West and South Elevations



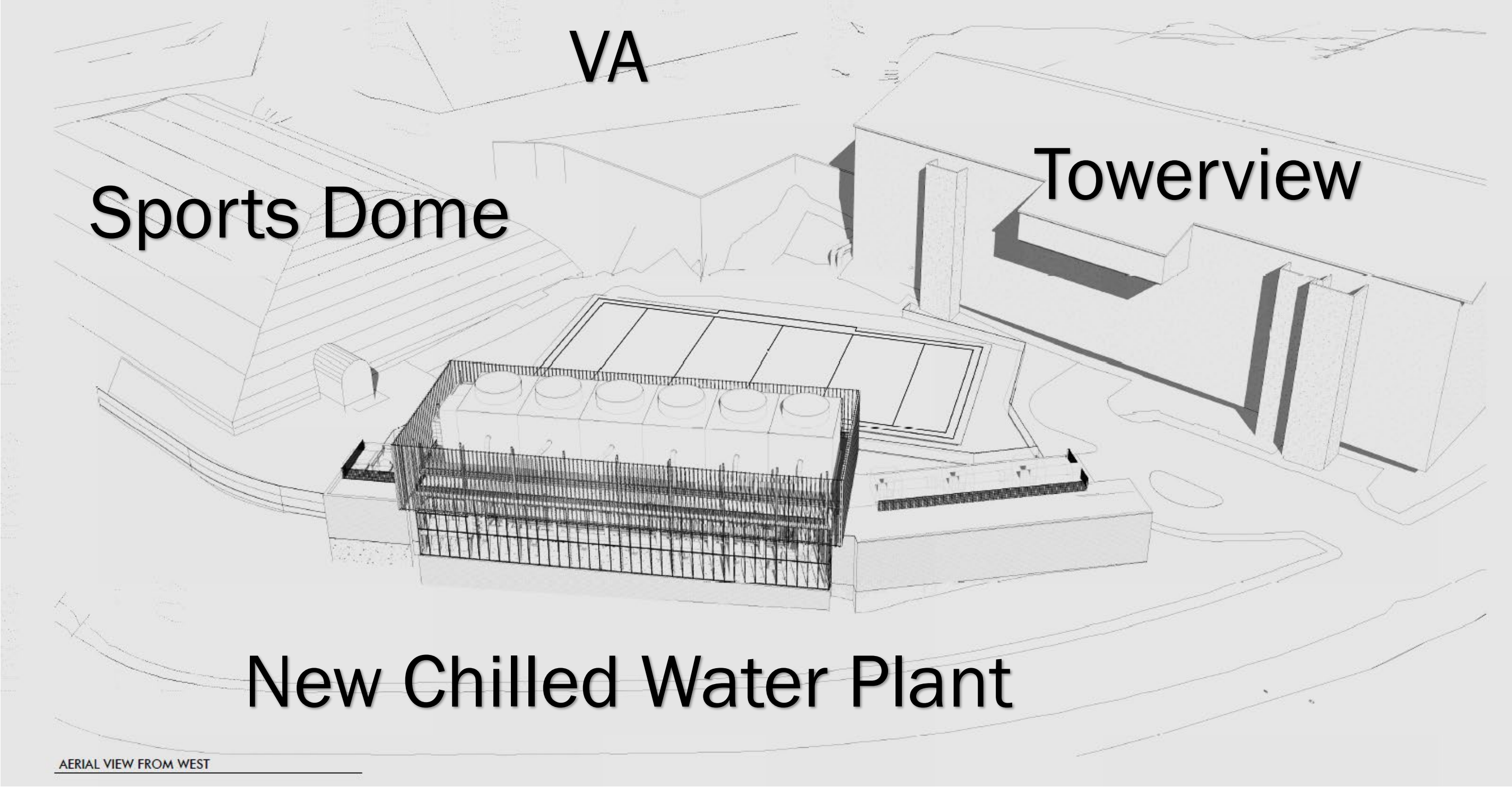
# University of Pittsburgh Upper Campus Chilled Water Plant

## Elevations

### East and North Elevations

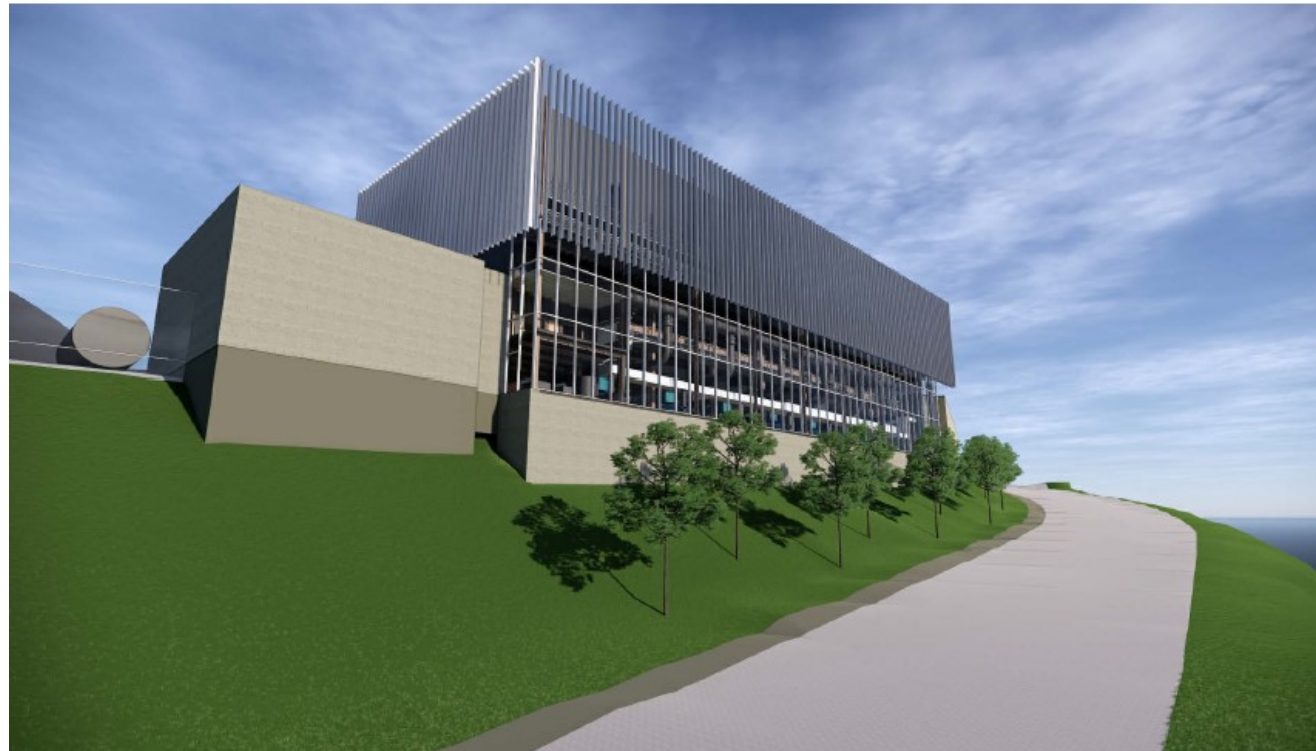


Aerial Perspective View

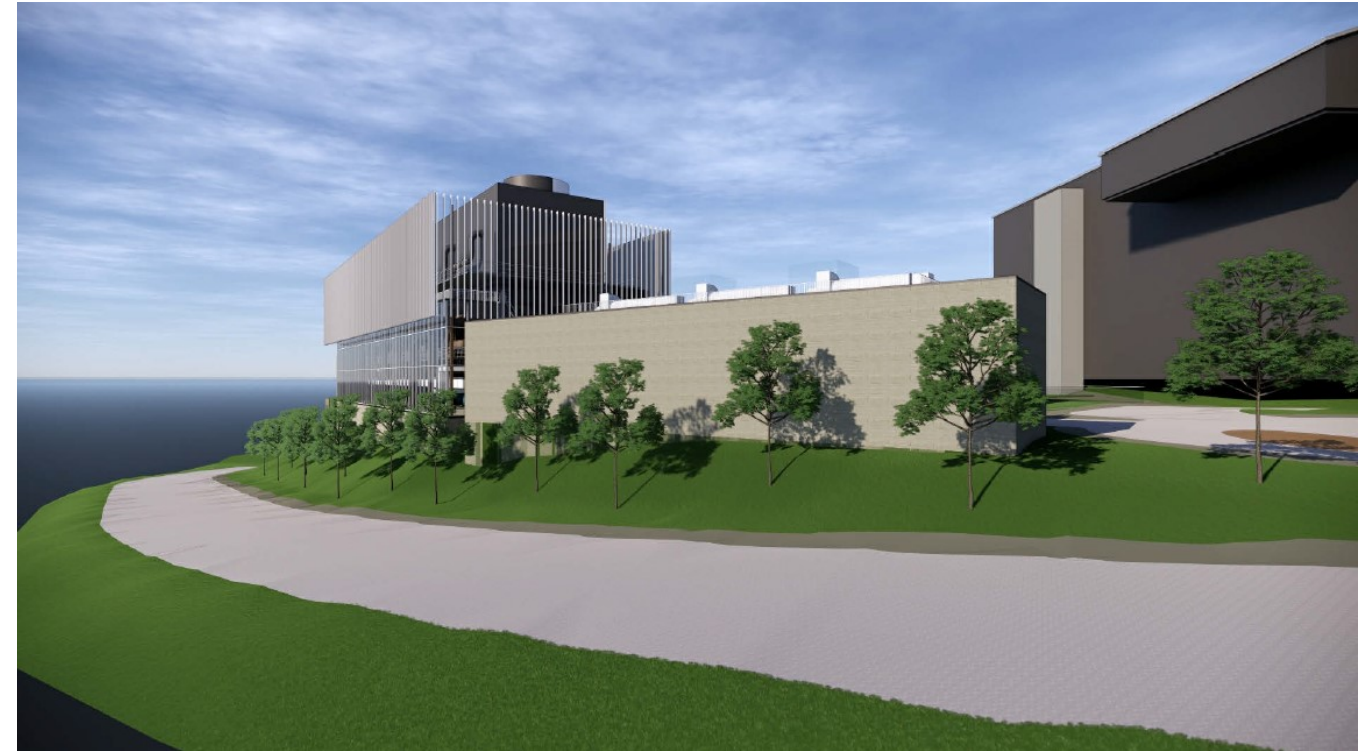


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Perspective Views



View up Champions Drive



View down Champions Drive



View in to turnaround

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## Schedule\*

<b>Planning Commission Briefing/Hearing</b>	June 2020
<b>Begin Distribution Lines on Campus</b>	October 2020
<b>Start Construction of Plant</b>	November 2020
<b>Plant &amp; Distribution Operational</b>	December 2022

\*subject to IMP approval or variance and Covid-19 restrictions on City Boards & Commissions and Commonwealth permitting

**THANK YOU!**

