



# **CHICAGO PLAN COMMISSION**

## **Department of Planning and Development**

**Shedd Aquarium**

**1200 S. DuSable Lake Shore Drive - 4<sup>th</sup> Ward, Alderman King**

**Shedd Aquarium Society (dba John G. Shedd Aquarium)  
and the Chicago Park District**

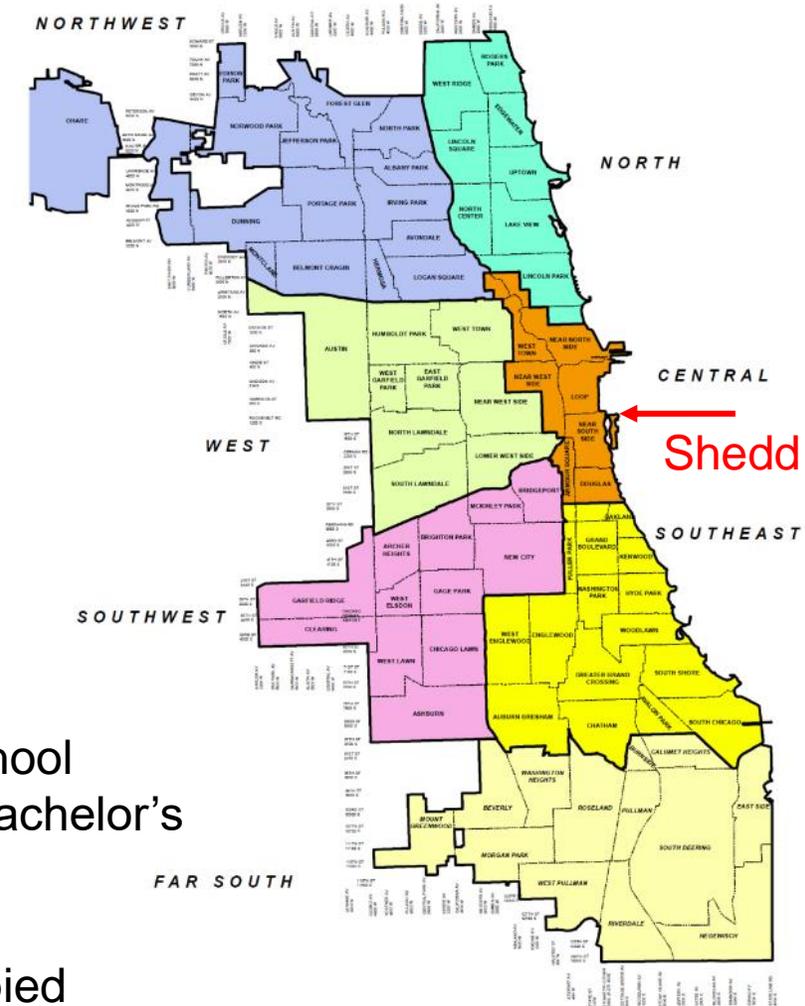
June 16, 2022

# ★ Community Area Snap Shot

## NEAR SOUTH SIDE COMMUNITY AREA:

- **Demographic Data**

- 28,795 Residents (2020)
  - 34.6% increase from 2010-20
  - 202.8% increase from 2000-20
- 5.6% Latino, 23.8% Black, 14% Asian, 53.3% White (2015-2019)
- Education (2015-2019): 3.7% less-than high school, 7.6% high school graduate, 10.1% some college, 3.7% associate's degree, 30.5% bachelor's degree, 44.3% graduate or professional degree
- Median household income (2015-2019): \$110,120.00
- Housing (2015-2019): 44.7% renter-occupied, 55.3% owner-occupied



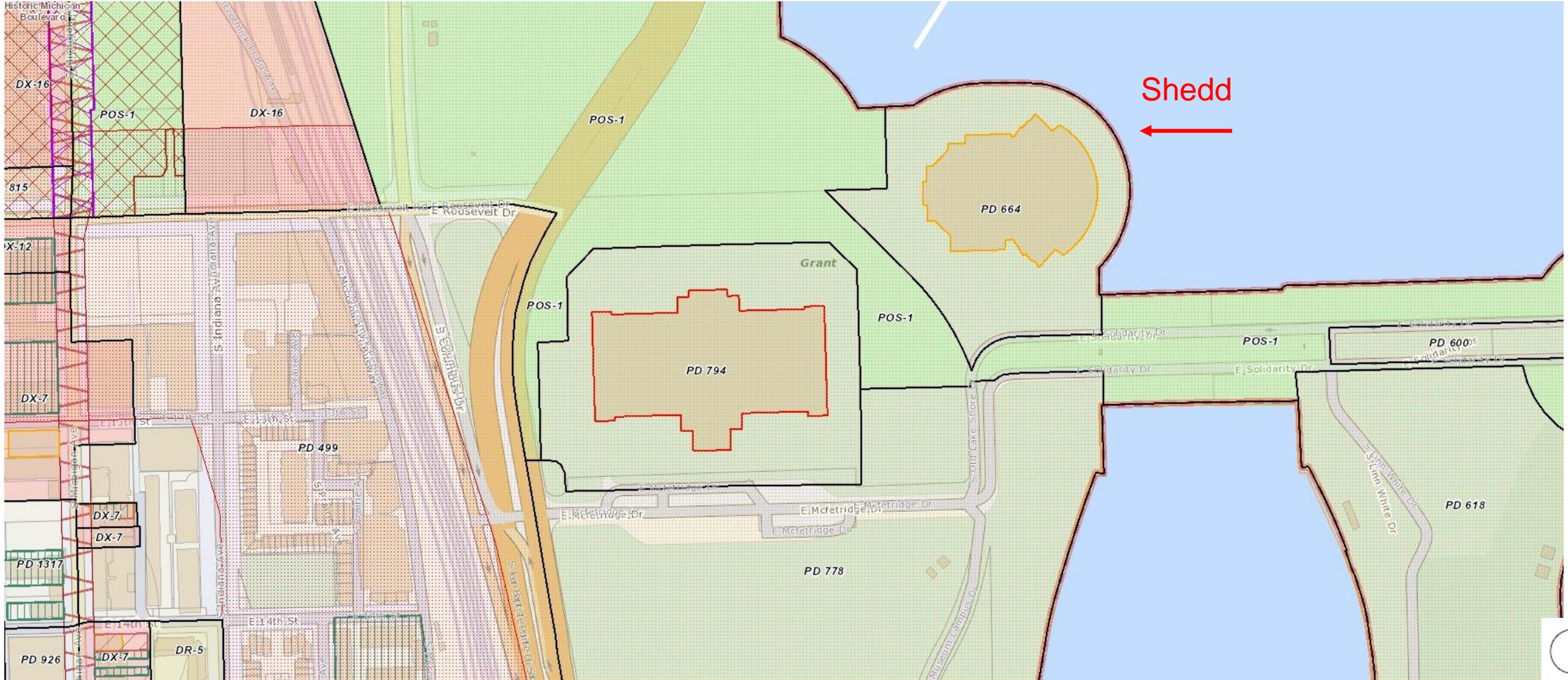
# ★ Community Area Snap Shot

## COMMUNITY AREA INFORMATION (continued):

- **Neighborhood + Cultural/Historic Context**
  - Shedd Aquarium opened on May 30, 1930
  - On Museum Campus with Field Museum and Adler Planetarium
  - Located in Grant Park
  - National Historic Landmark and listed on the National Register of Historic Places
- **Relevant Land Use Data**
  - Located in IPD 664 - Request for Minor Change concurrently filed with LPO Application
  - Zoned Institutional within the Public-Use Zone of the Lake Michigan and Chicago Lakefront Protection District



# Zoning Map



# Site Context



# ★ Planning Context



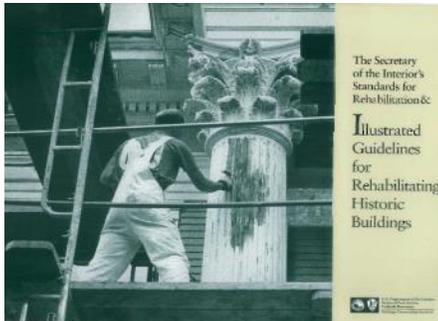
**Design Excellence Principles**  
City of Chicago Department of Planning and Development, September 2020



**Grant Park Framework Plan**  
Chicago Park District, Grant Park Steering Committee, January 2002



**Chicago Central Area Action Plan**  
City of Chicago Department of Planning and Development, August 2009



**Secretary of Interior's Standards for Rehabilitation**  
US Department of the Interior, 1997



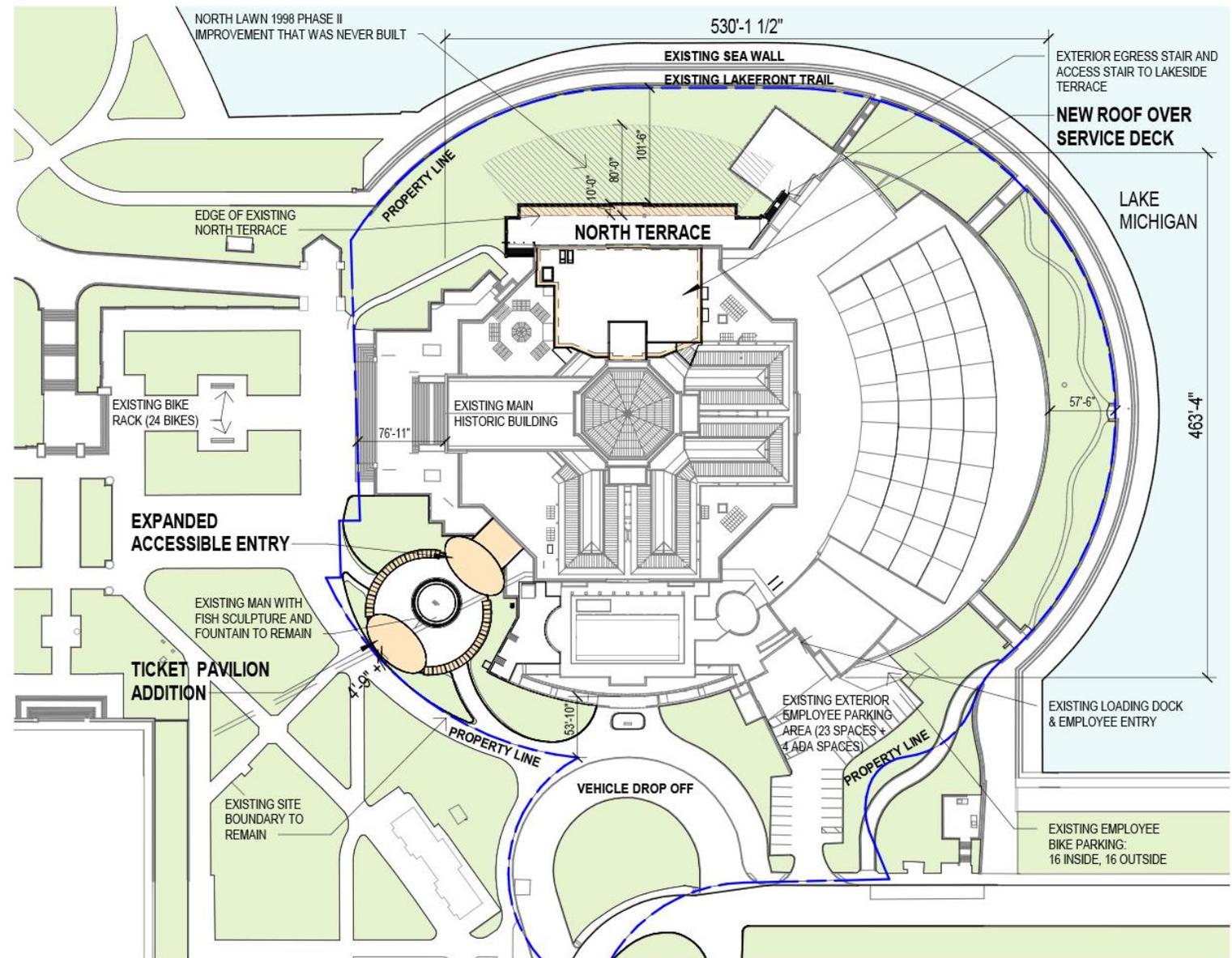
**Central Area Plan**  
City of Chicago Department of Planning and Development, May 2003

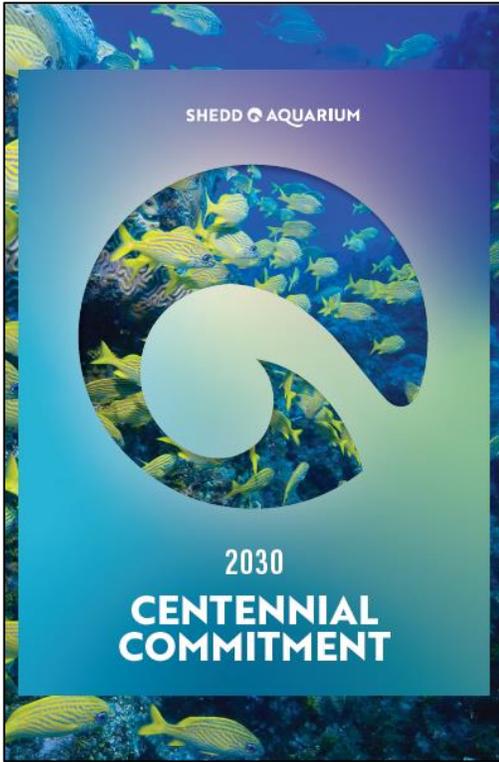


**Committee on Design**  
City of Chicago Department of Planning and Development, February 9, 2022

## EXTERIOR MODIFICATIONS

- Enhanced the Existing Accessible Entry
- Rebuild the North Terrace
- New North Gallery Roof





EDITORIAL

# Shedd's plans for rebirth are a sign that Chicago, even with its troubles, is still great

Chicago Sun Times, January 13, 2022 **CS★T**

2 | Tuesday, January 11, 2022 | The Herald Working Paper in America | continue.com

TOP NEWS

## SHEDD UNVEILS \$500M, 8-YEAR TRANSFORMATION FOR CENTENNIAL

BY MIRIAM DI NINZIO  
STAFF REPORTER  
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Chicago's Shedd Aquarium is about to make a big splash — over the next eight years.

The venerable cultural institution on Monday announced its Centennial Commitment, a \$500 million transformation of the aquarium culminating in 2030, the Shedd's 100th anniversary.

The first phase, which covers major interior renovations, begins later this year, with a projected finish date of 2026. Phase two will begin shortly thereafter. The aquarium will remain open throughout the project's duration.

The project will transform much of the Shedd's mission, both onsite and across the Chicago area — on the water, in nature and in field-based research. It will include taking a deeper dive into serving Chicago students with enhanced programming and outreach, creating a modern and revitalized aquarium experience through interactive and immersive exhibits, and increasing the Shedd's commitment to respond to the needs of wildlife crises across the globe via research and science.

The last major transformations of the Shedd were the construction of the Oceanarium (added in 1991) and the Wild Reef (opened in 2000). The aquarium's current 450,000-square-foot footprint will not increase.

Much of the project's budget is earmarked for the first phase, which will update the interior of the iconic original Busan Arts building, including modernizing the original six historic galleries, enhancing all animal habitats, restoring the original walls of windows that at one time provided unobstructed views of the Chicago skyline and the lake, and reimagining the public spaces and general amenities.

"We have thousands of species in these historic galleries and we are excited about the opportunity to enhance and making the experience more participatory, so it's really a revitalization of their habitats and the way we bring them to the public," said Dr. Bridget C. Coughlin, president and CEO of the aquarium.

Other major changes in the historic gallery area include moving the science and education lab to the main floor, relocating the gift shop to the main entrance area, and creating a new tunnel connecting the aquarium to the Oceanarium.

The tunnel will substitute a glass-enclosed, 100,000-gallon, 35-foot-long habitat that will surround visitors as they walk "under the sea."

"It will feel like you're actually diving without a tank, and instead of seeing the animals all in just one place, you'll see them from all directions around you," Coughlin said.

The beloved Caribbean Reef, the 90,000-gallon home to more than



ABOVE: This artist's rendering shows a 100,000-gallon, 35-foot-long habitat planned as part of the Shedd Aquarium's transformation.

LEFT: Other new habitats will offer unobstructed views of the coastlines.

500 tropical animals where patrons can view daily feedings of the animals by divers, also will be transformed, though specific details are not yet available.

Designed by the architectural firm of Christian, Anderson, Probst & White, the John G. Shedd aquarium was built in 1929 and opened a year later. It is the third-largest aquarium in the world, boasting 5 million gallons of water. More than 25,000 aquatic animals representing more than 1,300 species call the aquarium home.

Nearly 1.6 million people have visited each year for the past two decades (except for the 2020 pandemic shutdown).

"We are the most attended cultural facility in Chicago," Coughlin said. "We are more patrons than the Art Institute, the Field Museum and the Museum of Science and Industry, and we do it in less square footage.

We are trying to have our square footage work harder for us, and part of the revitalization will be a new circulation path to make the flow of your visit more seamless, with fewer transitions," Coughlin said.

Recently instituted time-stamped ticketing has proven to be a game-changer in terms of managing capacity, and will continue for the foreseeable future.

The project is a joint venture of general contractor partners Pepper HMI Construction LLC, architect Viktorio Dewalt Truitt, exhibit design partner Thier Design, project manager J.L. (Katie) Lang LaSalle, accessibility partner Institute for Human Centered Design, and diversity, equity and inclusion partner Triad Inc. According to an aquarium spokesperson, the emphasis will also be on hiring local, with job preference given to residents in Chicago's 4th Ward (home to the aquarium) and the nearby neighborhoods of Douglas, Grand Boulevard, Hyde Park, Kenwood, North Kenwood, Oakland and the South Loop.



# Community Outreach



- Chicago Public Schools (multiple, last in May 2022)



- The State Historic Preservation Office (multiple, 5/12/22)



- Mayor's Office for People with Disabilities (multiple, last on 11/3/21)



- Chicago Park District (multiple, last on 5/2022)



- Near South Planning Board (2/1/22)



- Landmarks Illinois (1/19/22)



- Preservation Chicago (1/19/22)



- Friends of the Park (1/20/22)



- 4th Ward Advisory Council (1/24/22)



- Grant Park Advisory Council (2/16/22)



# Project Timeline + Community Outreach

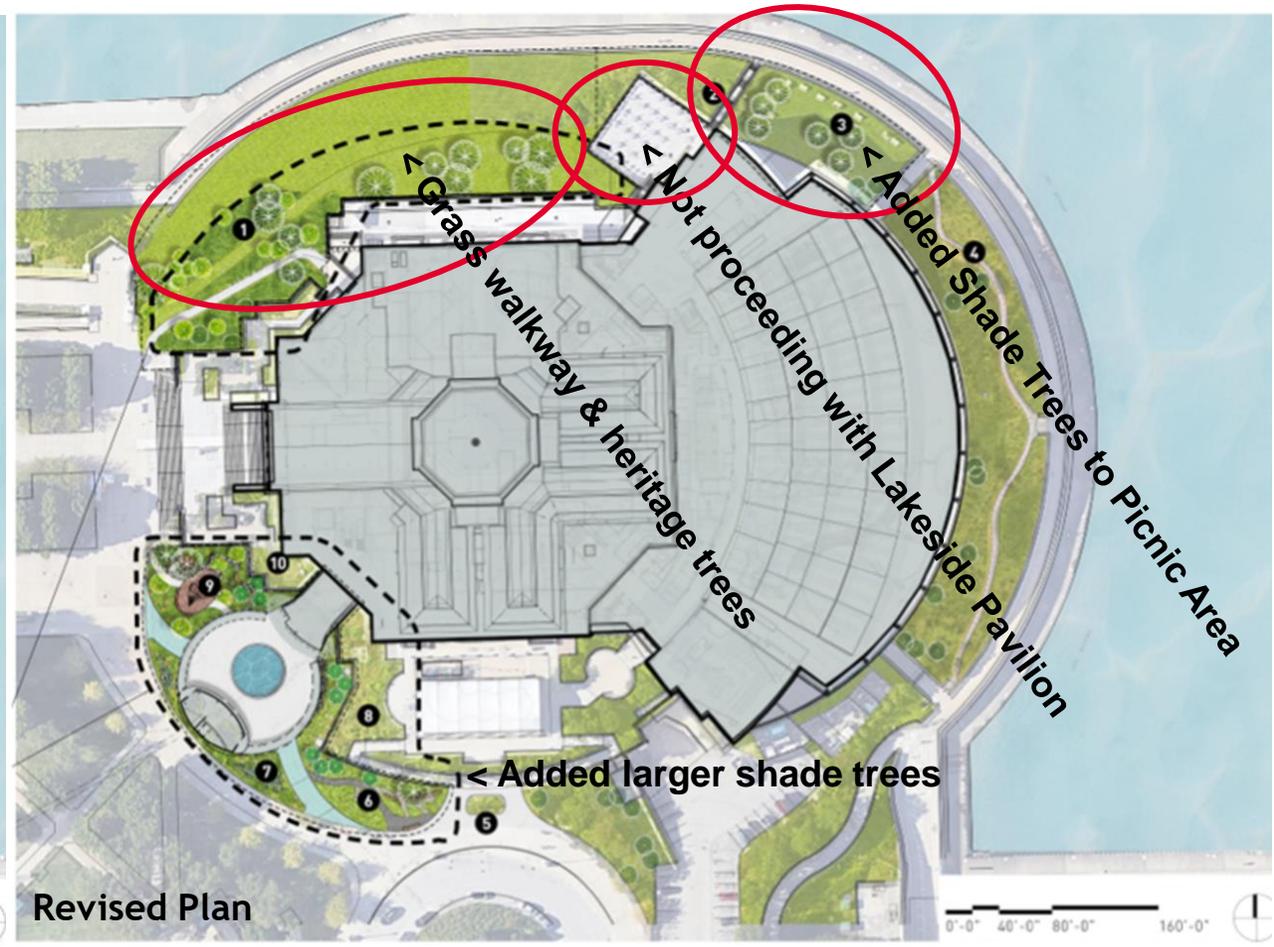
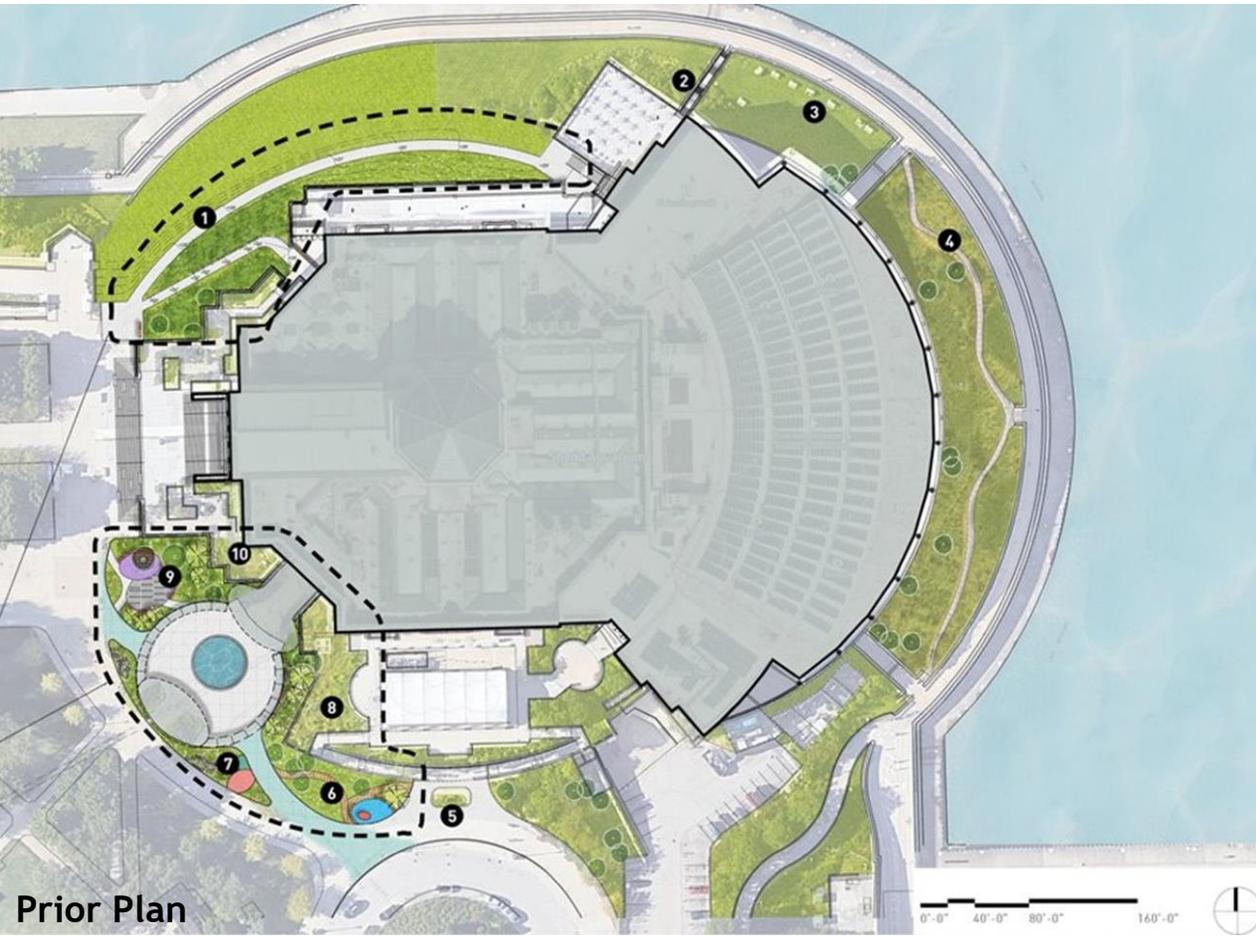
- **Filed Lakefront Protection Application and Minor Change Request to IPD 664 – May 26, 2022**
- **Project Changes Based on Community and DPD Feedback**
  - Change of Accessible Entry and Ticket Pavilion ceilings from wood to GFRC
  - Change of the Canopy Structure to a Trellis
  - Substantial landscaping adjacent to the Entry and Ticket Pavilions
  - Decision to not proceed with Lakeside Pavilion
  - Added tree planting at the existing northeast seasonal picnic area for shade



Prior Design - with Wood Ceilings and Canopy



Revised Design - GFRC Ceiling and Trellis





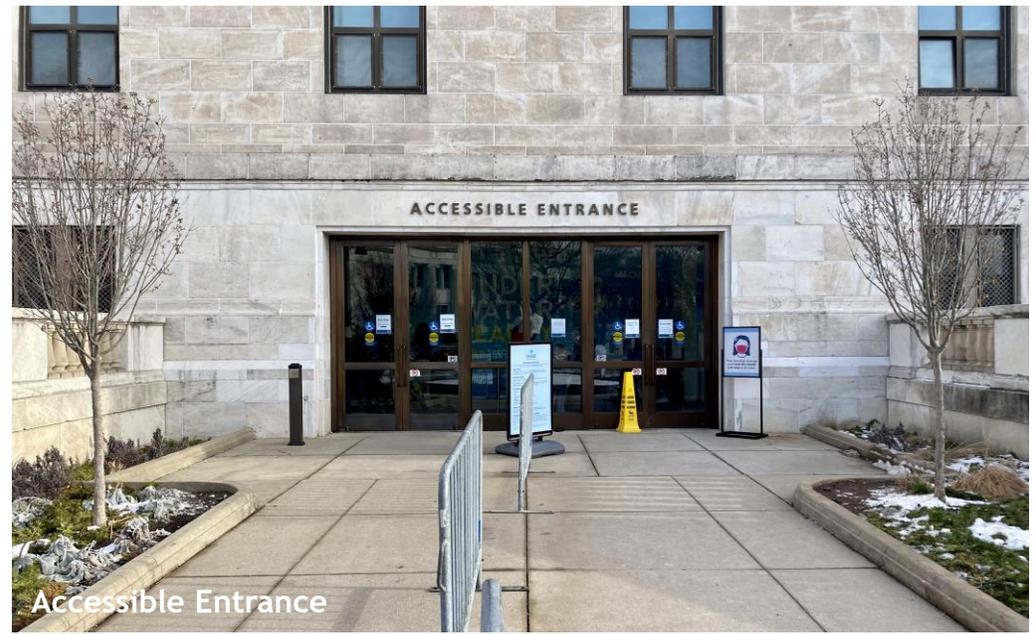
Approach from vehicle drop-off



Entry garden and Man With Fish plaza



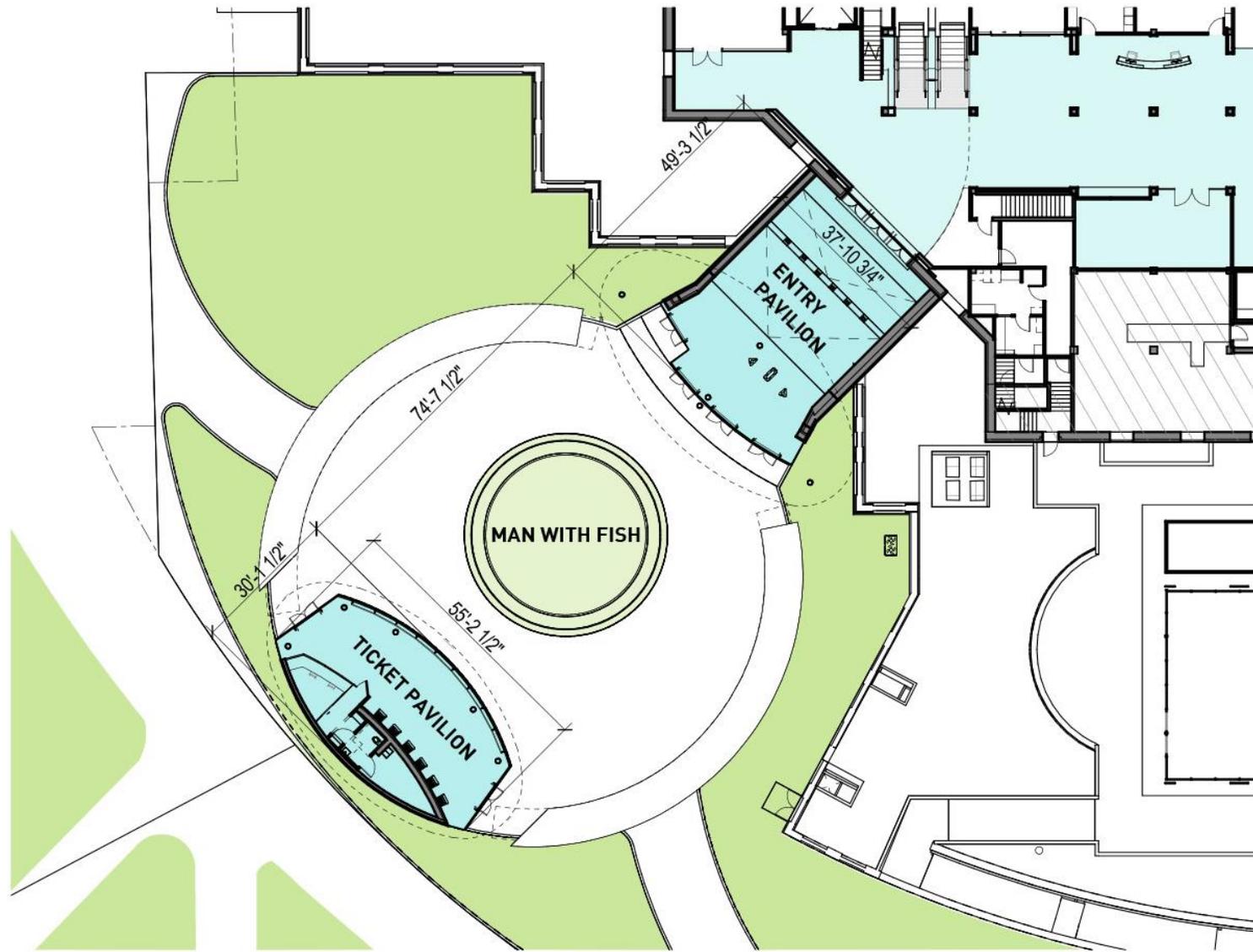
Man With Fish sculpture



Accessible Entrance

# EXISTING ACCESSIBLE ENTRANCE





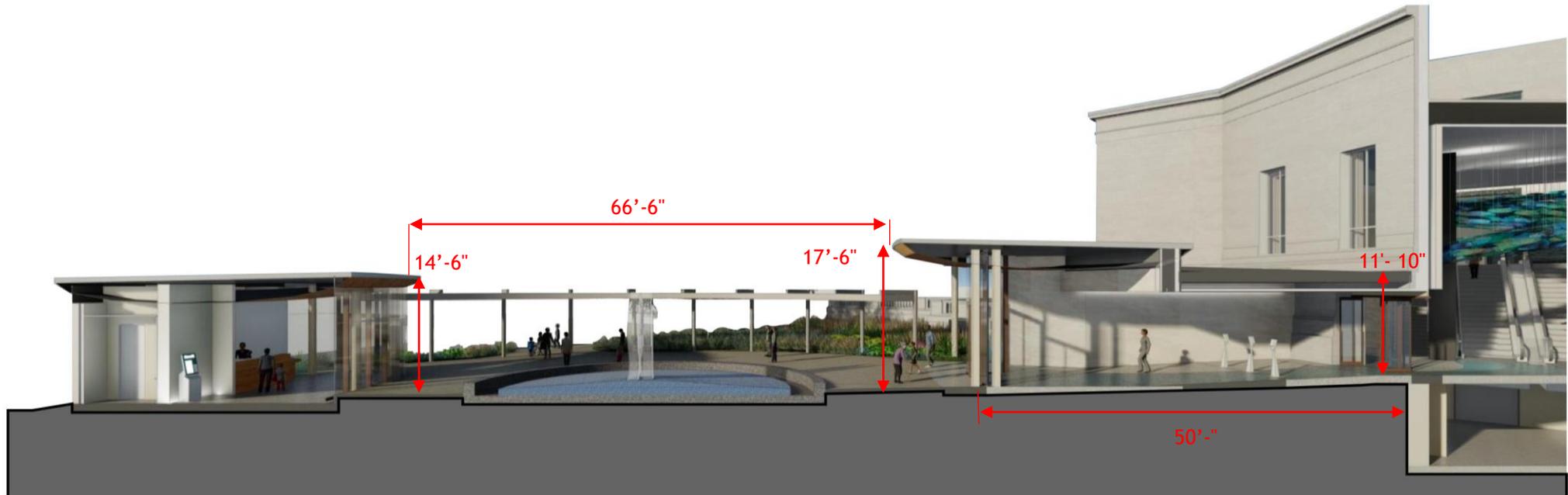


**ACCESSIBLE ENTRANCE RENDERINGS**



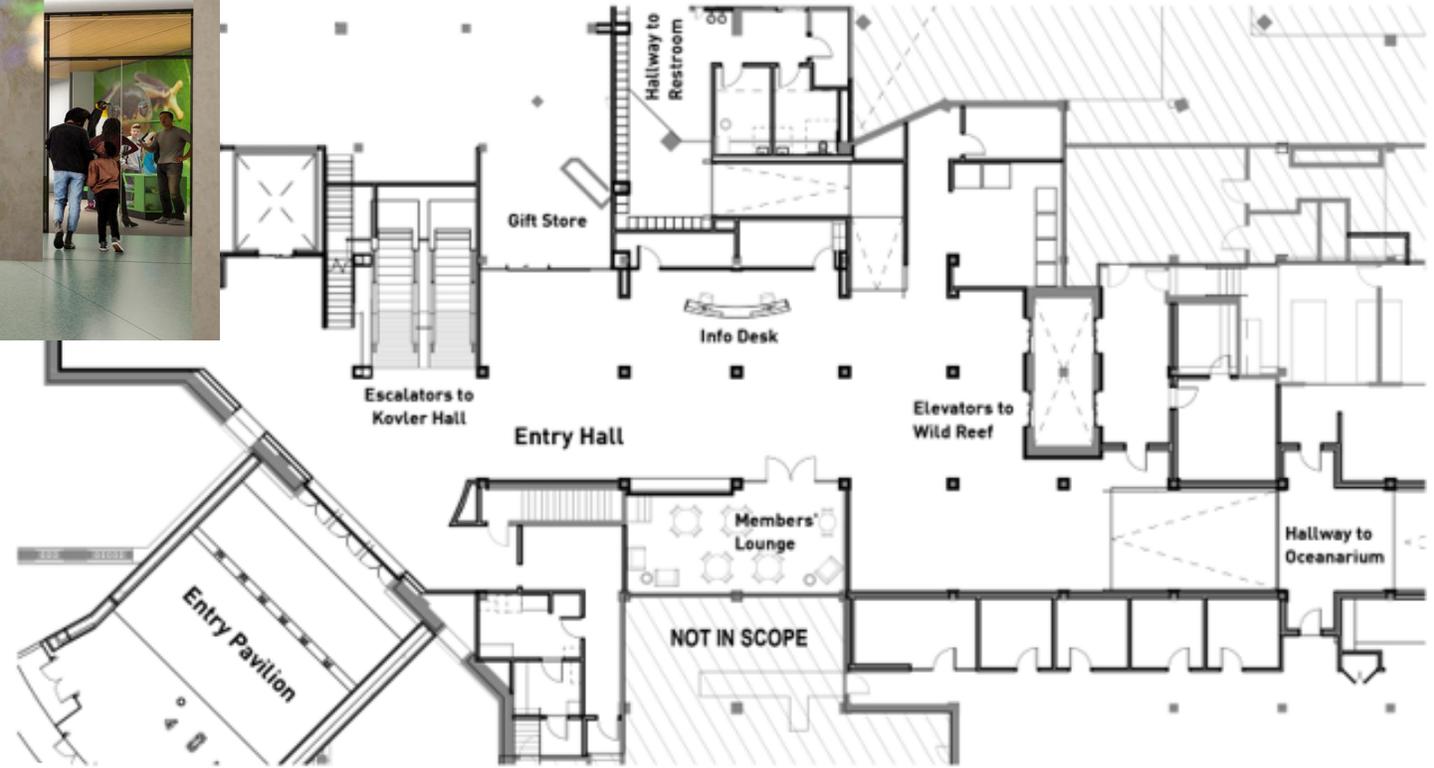


**ACCESSIBLE ENTRANCE RENDERINGS**



TICKET PAVILION

ENTRY PAVILION







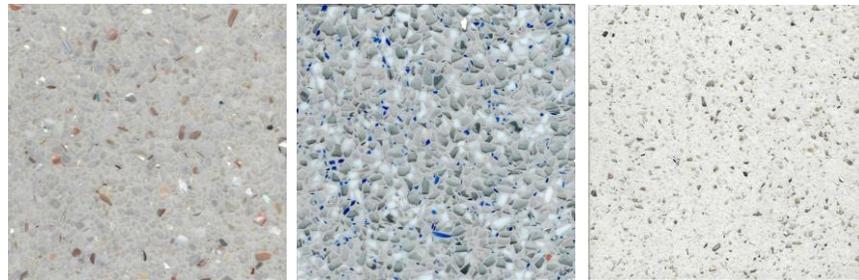
**Existing Marble Façade:**  
Georgian Marble



**Ceiling GFRP  
(Interior/Exterior):**  
Rieder Vanilla Ferro Light



**Entry Pavilion Cladding: GFRP**  
Rieder Vanilla Ferro Light



**Flooring:**  
Terrazzo Custom Mix



What people see



What birds see

**Ornilux Glass Bird Glass**

EXISTING AND PROPOSED NORTH TERRACE



EXISTING AND PROPOSED NORTH TERRACE



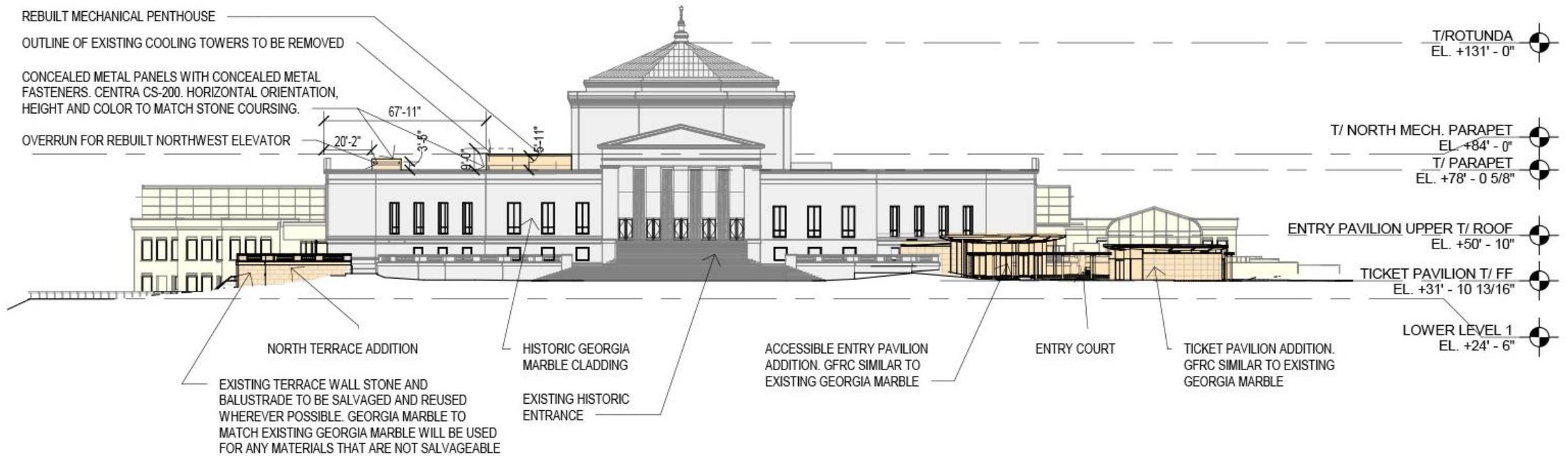


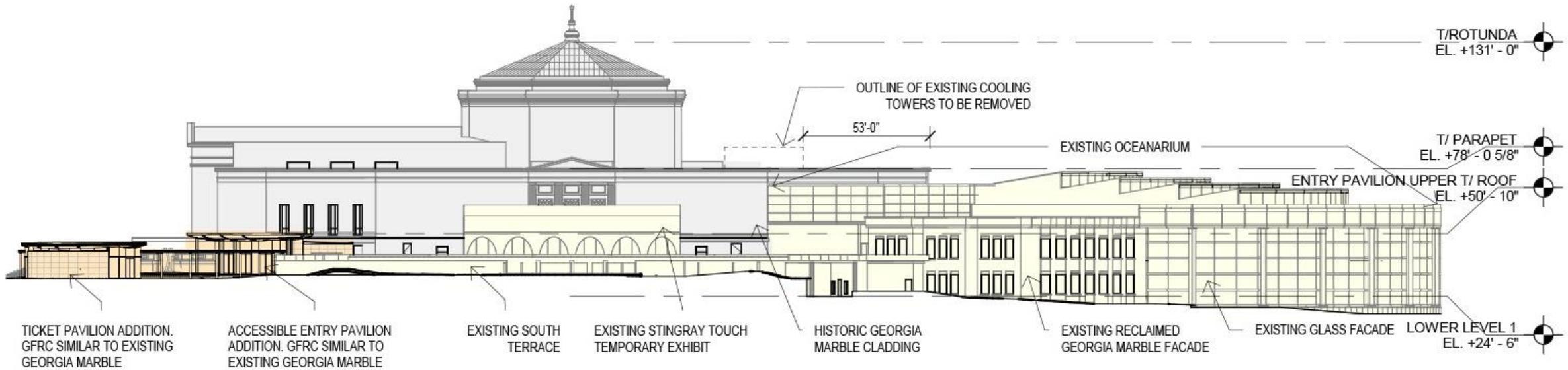
Existing Mechanical Equipment to be Removed

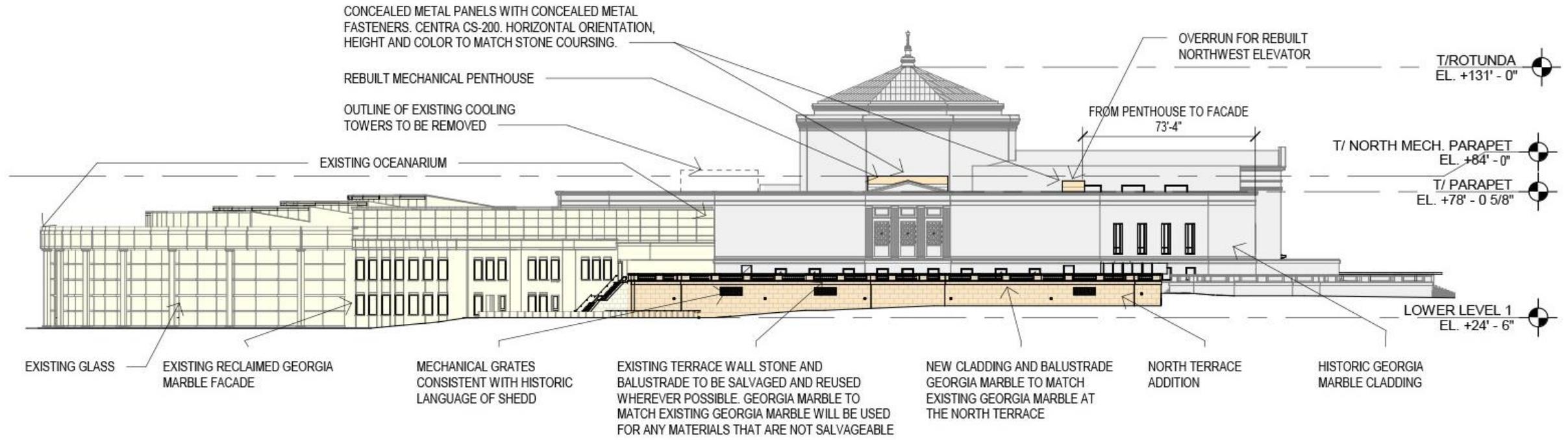


Rebuilt Mechanical Penthouse and Elevator

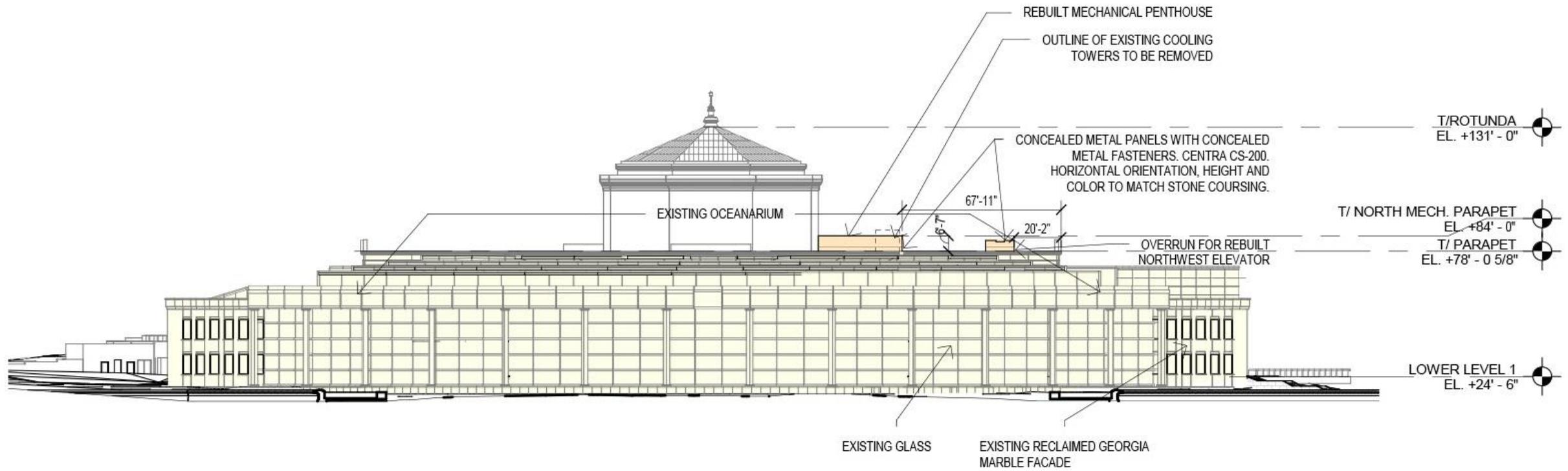








# BUILDING ELEVATION – NORTH



# PROPOSED LANDSCAPE PLAN

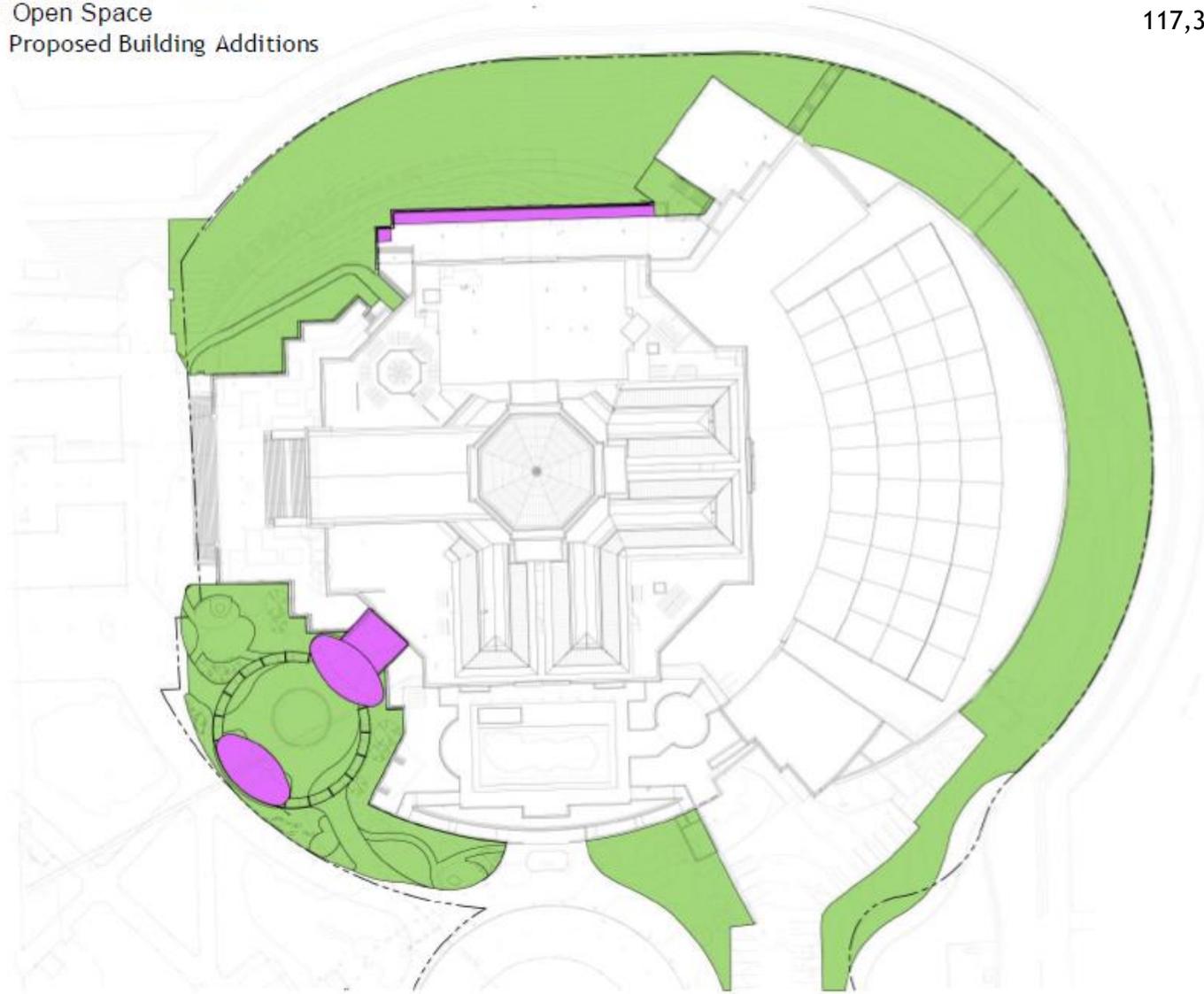
## LEGEND

- ① Ornamental trees and proposed native woodland with maintenance path
- ② Existing staircase to lakefront trail
- ③ Seasonal picnic tables provided by Shedd with new shade trees
- ④ Existing prairie footpath
- ⑤ Existing drop-off
- ⑥ Restoration of native dune habitat with proposed access
- ⑦ Proposed monarch garden and rain gardens
- ⑧ Existing edible garden (southwest)
- ⑨ Proposed nature playscape and garden
- ⑩ Existing edible garden (west)



**PROPOSED OPEN SPACE PLAN:**  
111,050 SF Open Space  
6,300 SF Proposed Building Additions

**EXISTING OPEN SPACE PLAN:**  
117,350 SF Open Space



## **WILL COMPLY WITH SUSTAINABLE DEVELOPMENT MATRIX**

**Sustainability and conservation are integral to the Shedd mission and facility operations.**

Shedd's initiatives below outline the mission as part of the new construction scope:

- All proposed plantings are 100% native species
- Addition of a rain and butterfly garden
- Bird Protection: Mindful bird protection glass and lighting provision for the exterior and interior of the building (5 pts)
- Exceed Energy Code: Daylight Harvesting and VRF heating and cooling systems at the additions exceed efficiency requirements (30 pts)
- Indoor Water Use Reduction: Low flow plumbing fixtures (10 pts)
- Proximity to Transit Service (5 pts)
- Bike Parking (5 pts)
- Total Sustainable Points: 55

## DIVERSITY, EQUITY & INCLUSION

*Shedd has self-imposed minimum goals on construction costs for Diversity, Equity & Inclusion:*

**26% MBE and 6% WBE**

### Workforce

- **50% of the total on-site labor work hours with residents residing in Chicago**
- **25% of the total on-site labor work hours shall be combined minority and female workforce**
- **3% of the total on-site combined laborers and/or non-trade work hours with community residents.**

*Preference will be given to residents who reside in the **4th Ward** and the surrounding neighborhoods of Douglas, Grand Boulevard, Hyde Park, Kenwood, Museum Campus, North Kenwood, Oakland and the South Loop.*

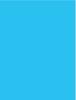
In addition, contractors are strongly encouraged to commit to participating in one or more Chicago Public School (CPS) “Work-Based Learning” programs such as the Job Shadow Week, CPS’ Guest Speaker Series, Site Visit Week, Soft Skills Month and Career and/or the Technical Education Training (CTE) Summer Internship Program. These commitments will allow for real-world skill-building and career exploration opportunities for local teens.

*Shedd Aquarium has engaged Trinal, Inc. as its Diversity, Equity & Inclusion consultant.*



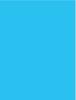
## SUMMARY OF BENEFITS

- Improve Visitor Experience through enhanced accessibility and circulation
- Increase capacity to 2.3M people and student engagement by 160,000 annually
- Enhance landscaping with new native plantings, heritage trees and outdoor gathering & nature play areas
- Continued stewardship of Shedd's historic building
- Modernize animal habitats to improve animal welfare and exhibit experience
- Create approximately 300 construction jobs for 4 years of construction



# Lakefront Protection - 14 Policies

- 1. Complete the publicly owned and locally controlled park system along the entire lakefront**
- 2. Maintain and enhance the landscaped, spacious, and continuous character of the lakeshore parks**
- 3. Continue to improve the water quality and ecological balance of Lake Michigan**
- 4. Preserve the cultural, historical, and recreational heritage of the lakeshore parks**
- 5. Maintain and improve the formal character and open water vista of Grant Park with no new above-ground structures permitted**
- 6. Increase the diversity of recreational opportunities while emphasizing lake-oriented leisure activities**
- 7. Protect and develop natural lakeshore park and water areas for wildlife habitation**
- 8. Increase personal safety**
- 9. Design all lake edge and lake construction to prevent detrimental shoreline erosion**
- 10. Ensure a harmonious relationship between the lakeshore parks and community edges but in no instance allow private development east of Lake Shore Drive**
- 11. Improve access to lakeshore parks and reduce vehicular traffic on secondary park roads**
- 12. Strengthen the parkway characteristics of Lake Shore Drive**
- 13. Ensure all port, water supply, and public facilities are designed to enhance lakefront character**
- 14. Coordinate all public and private development within the water, park, and community zones**



# Lakefront Protection - 14 Policies

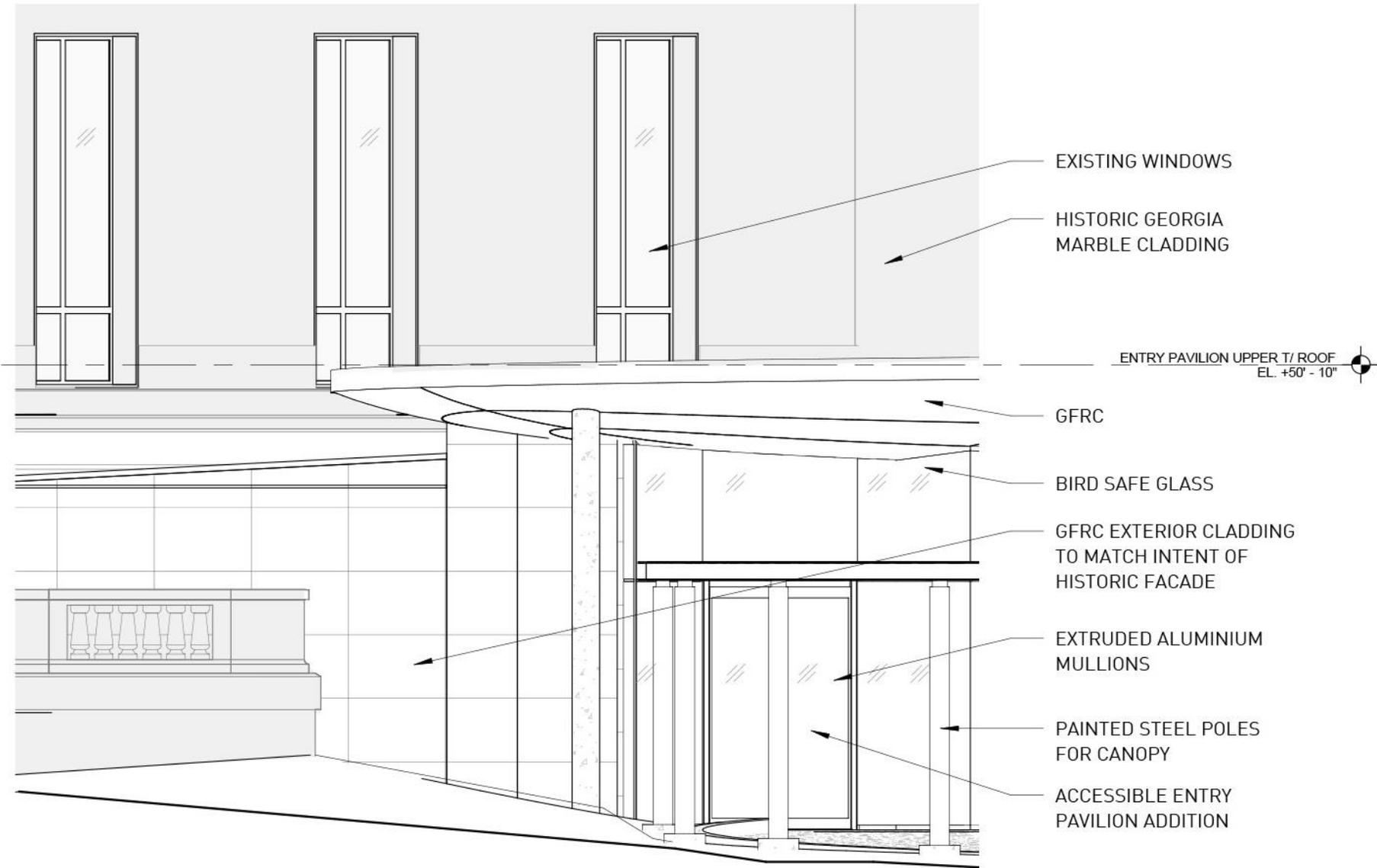
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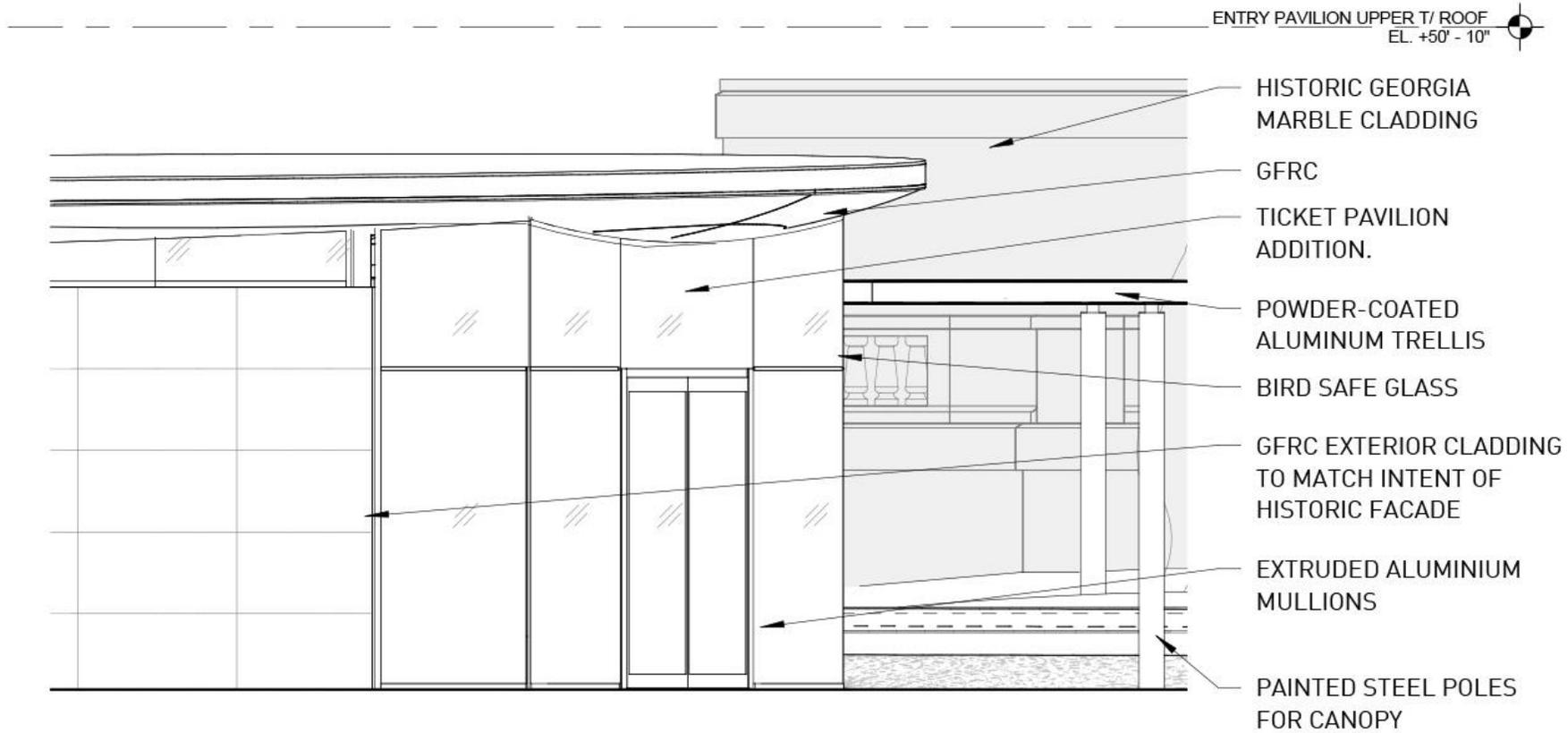
# DPD Recommendations

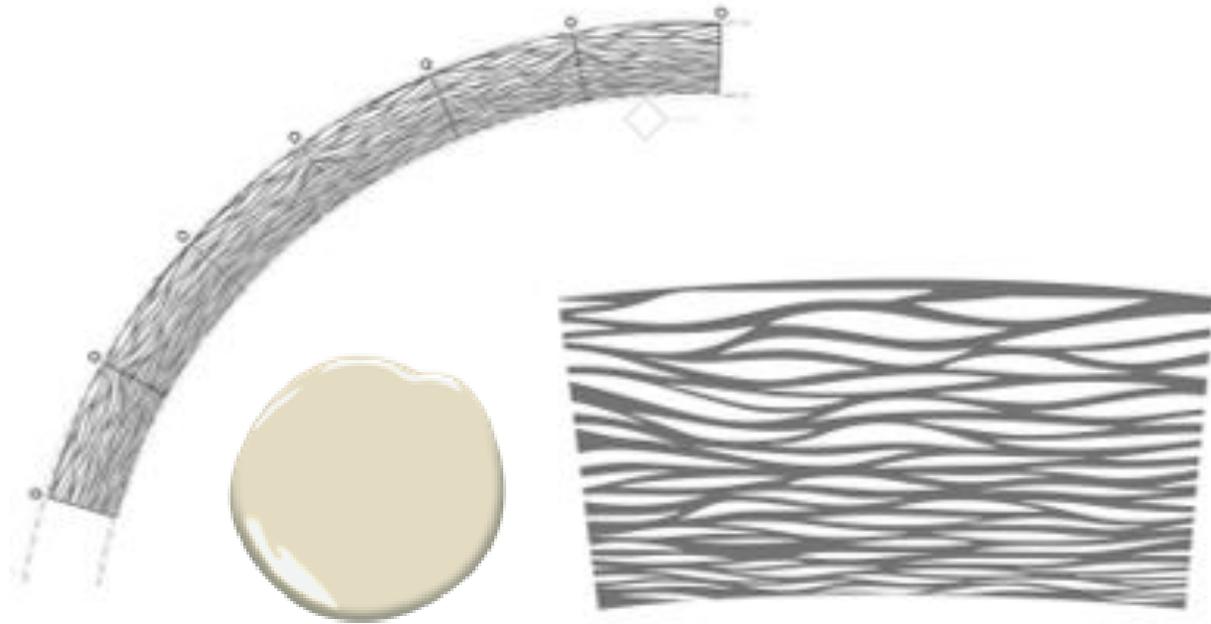
This application, being in conformance with the provisions of the Lake Michigan and Chicago Lakefront Protection Ordinance, be approved, subject to compliance with the Site and Landscape Plans and Building Elevations as presented to you today.





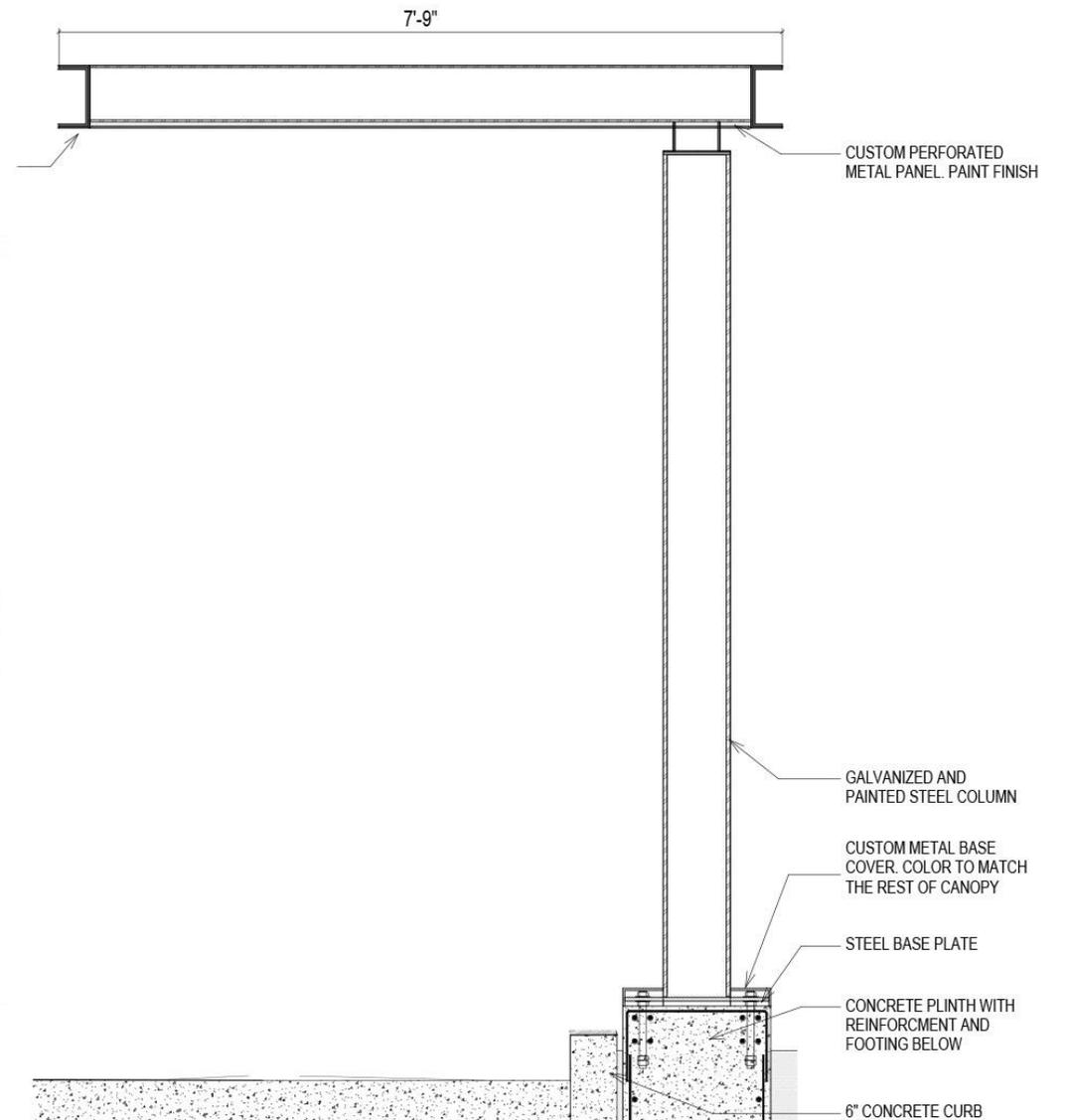




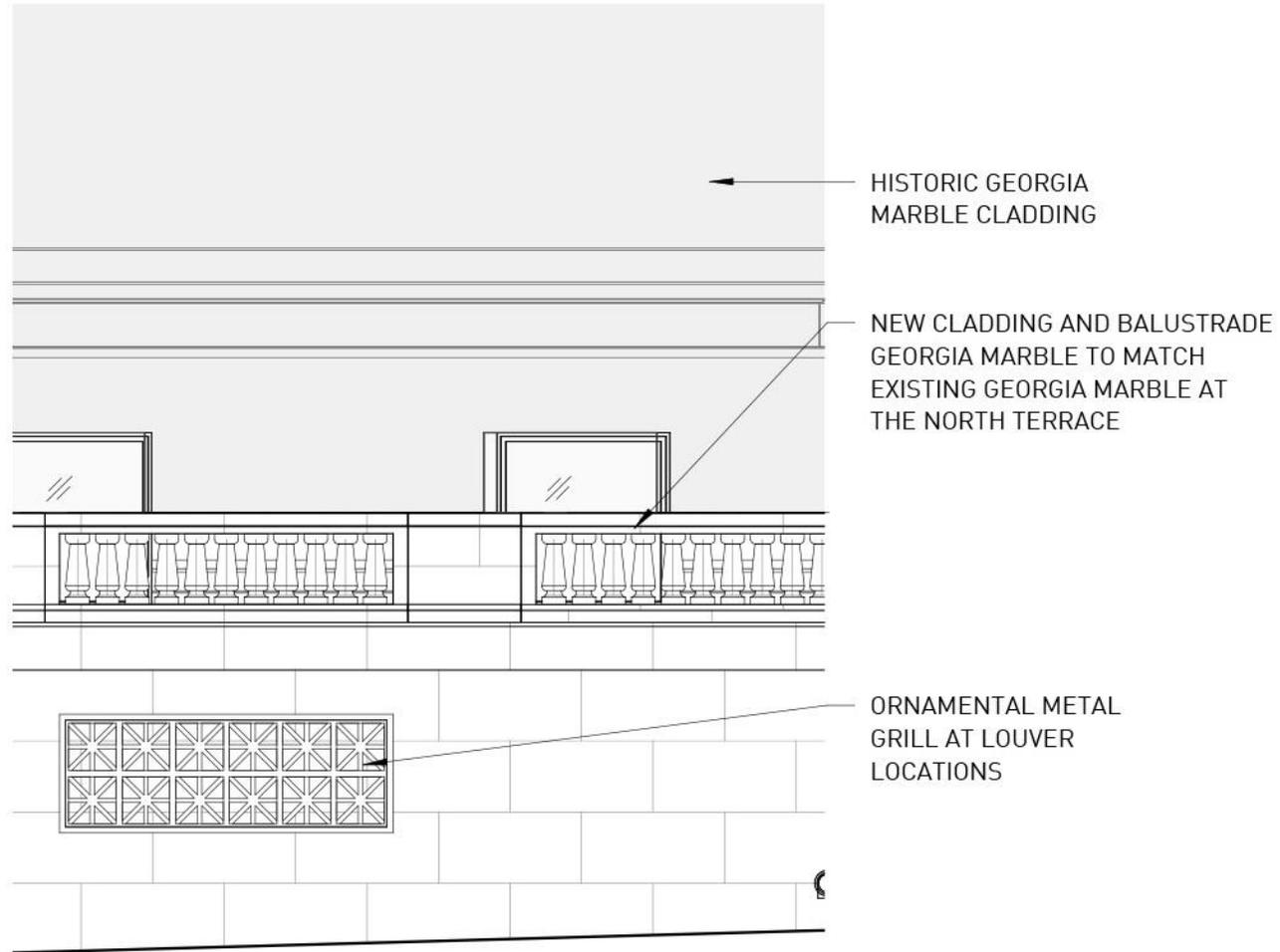


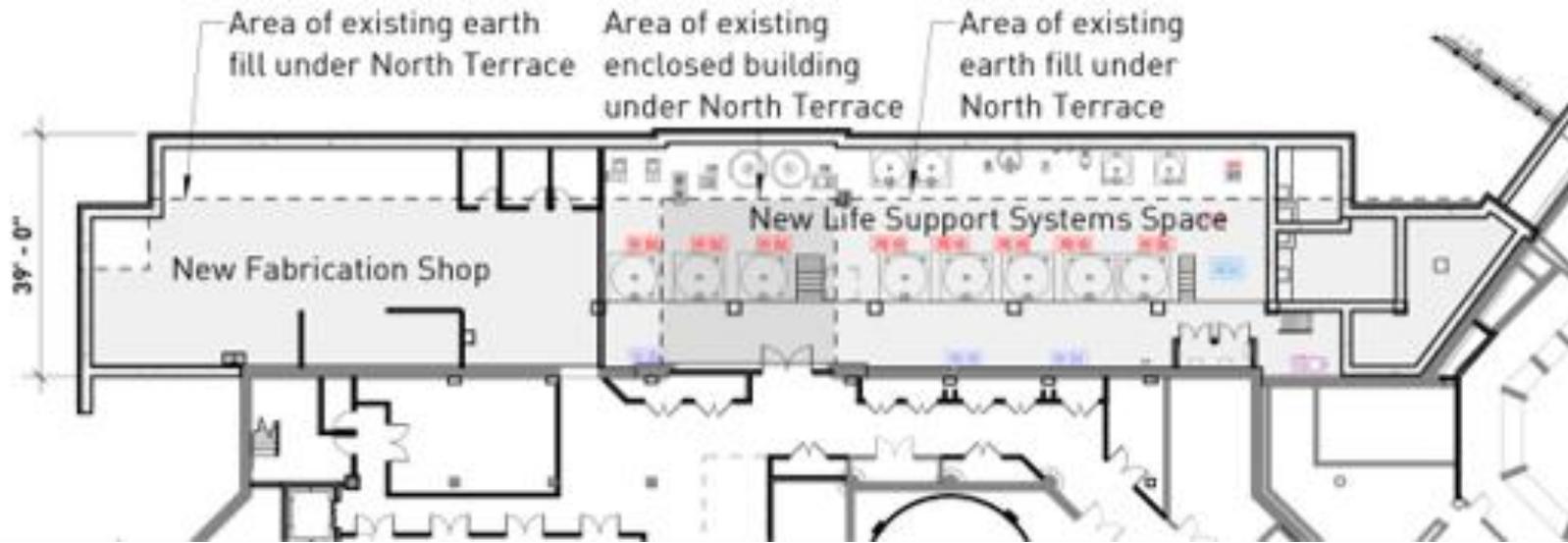
**Trellis Pattern/Color:**  
Powder-coated aluminum to match GFRC color

CURVED METAL C CHANNEL  
ALONG EXTERIOR EDGE OF  
CANOPY RING.

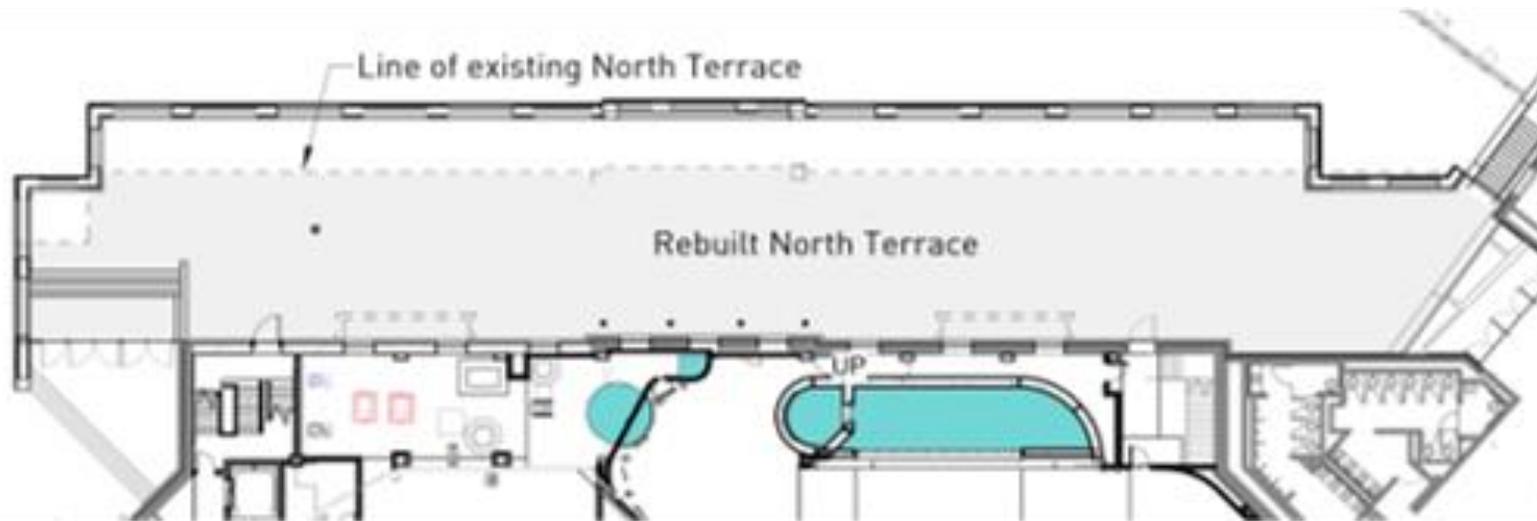


Trellis Section





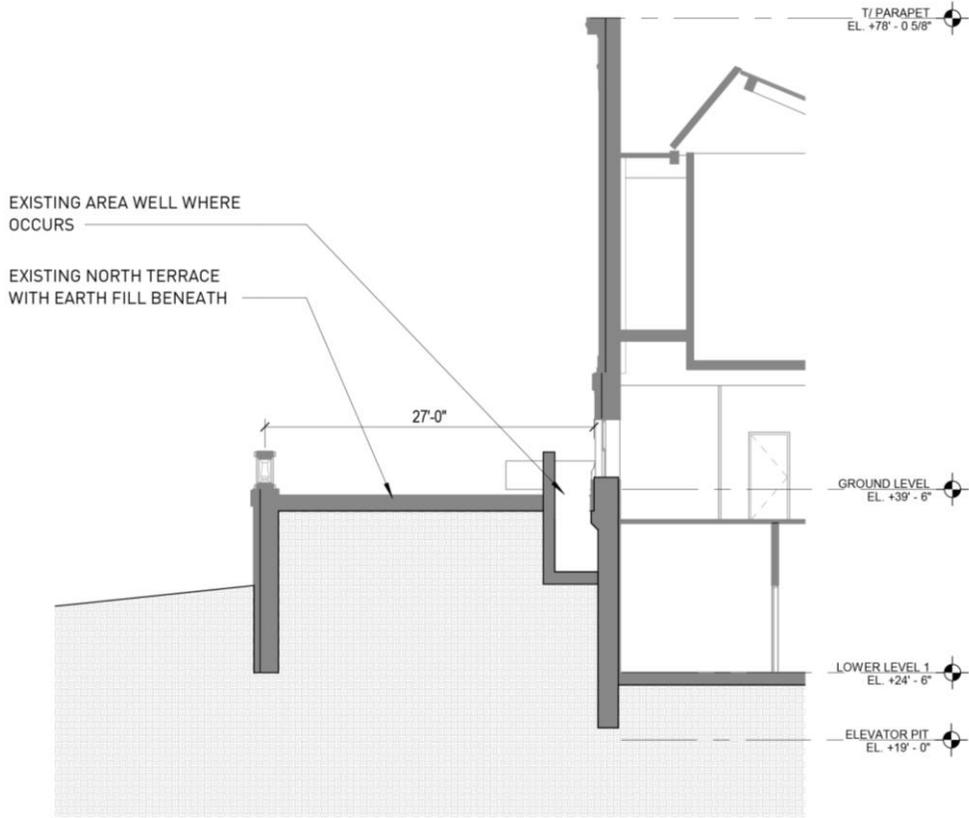
LOWER LEVEL 1 PLAN



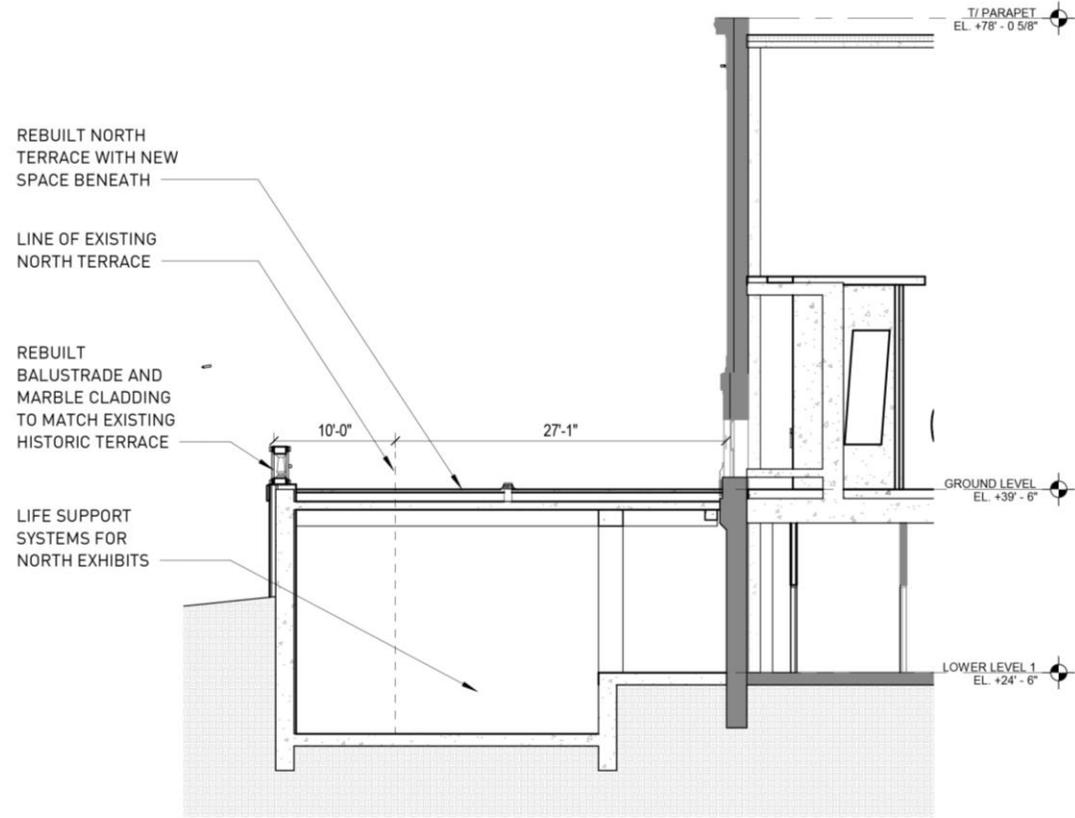
GROUND LEVEL PLAN

# NORTH TERRACE FLOOR PLAN

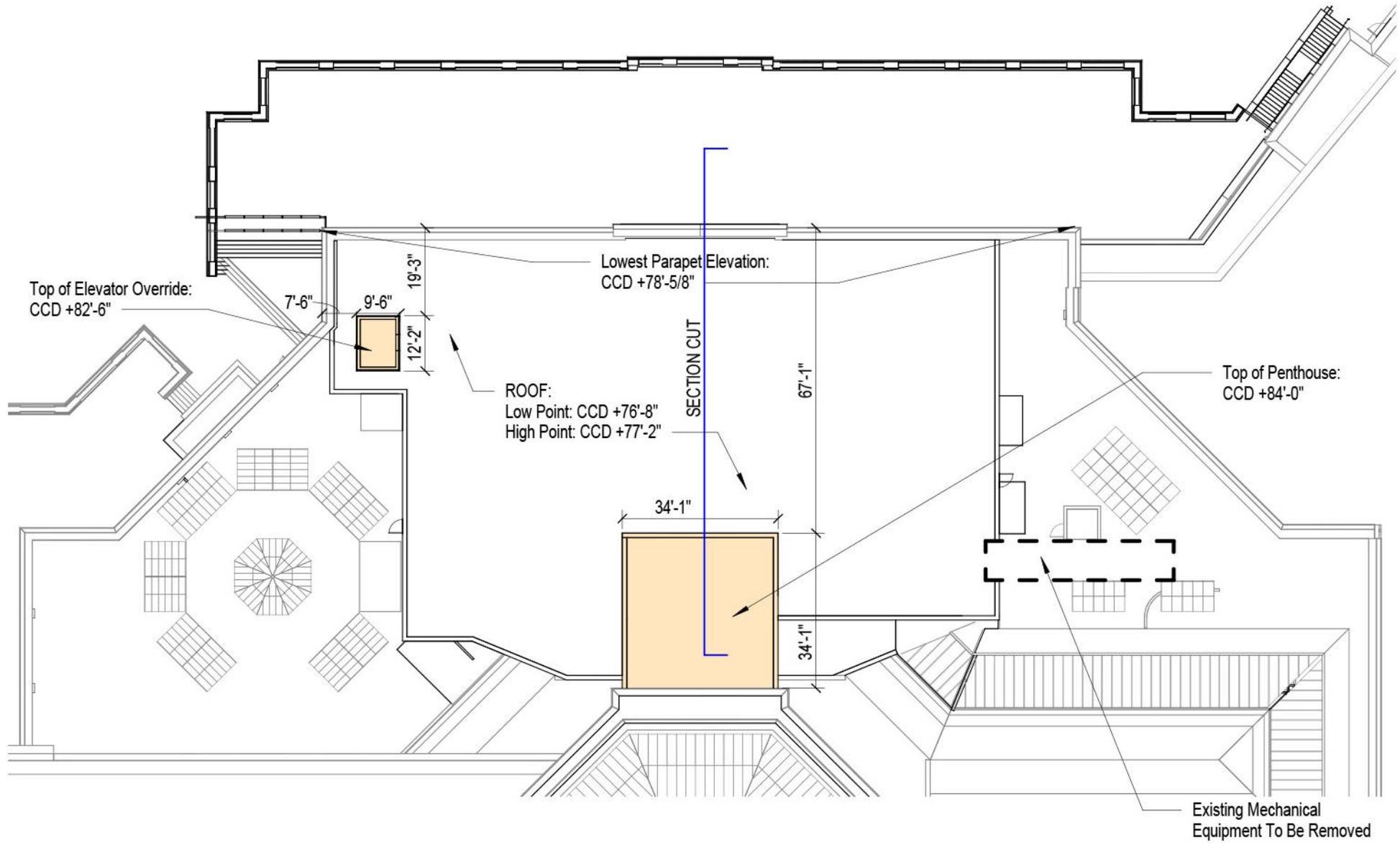


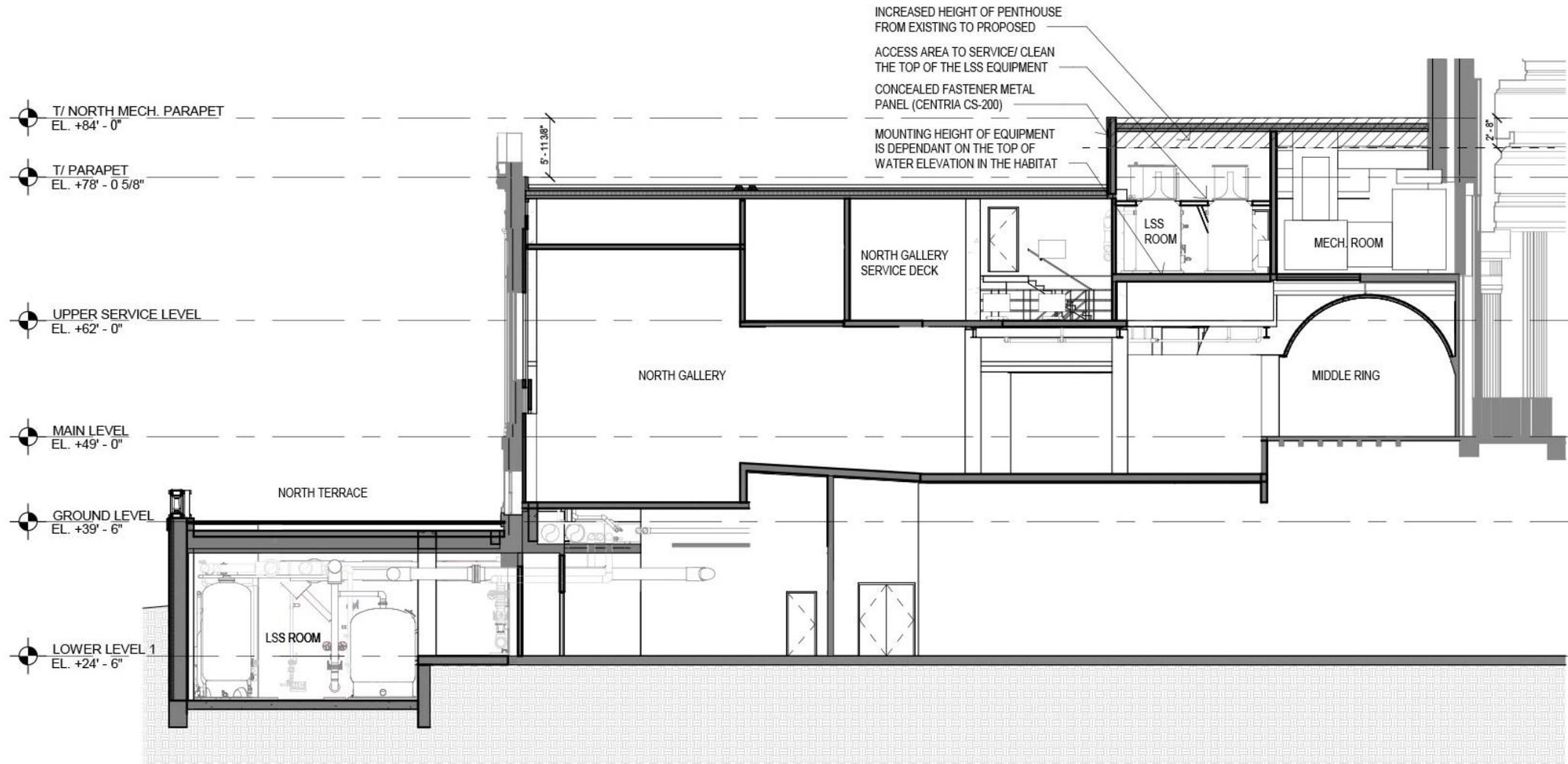


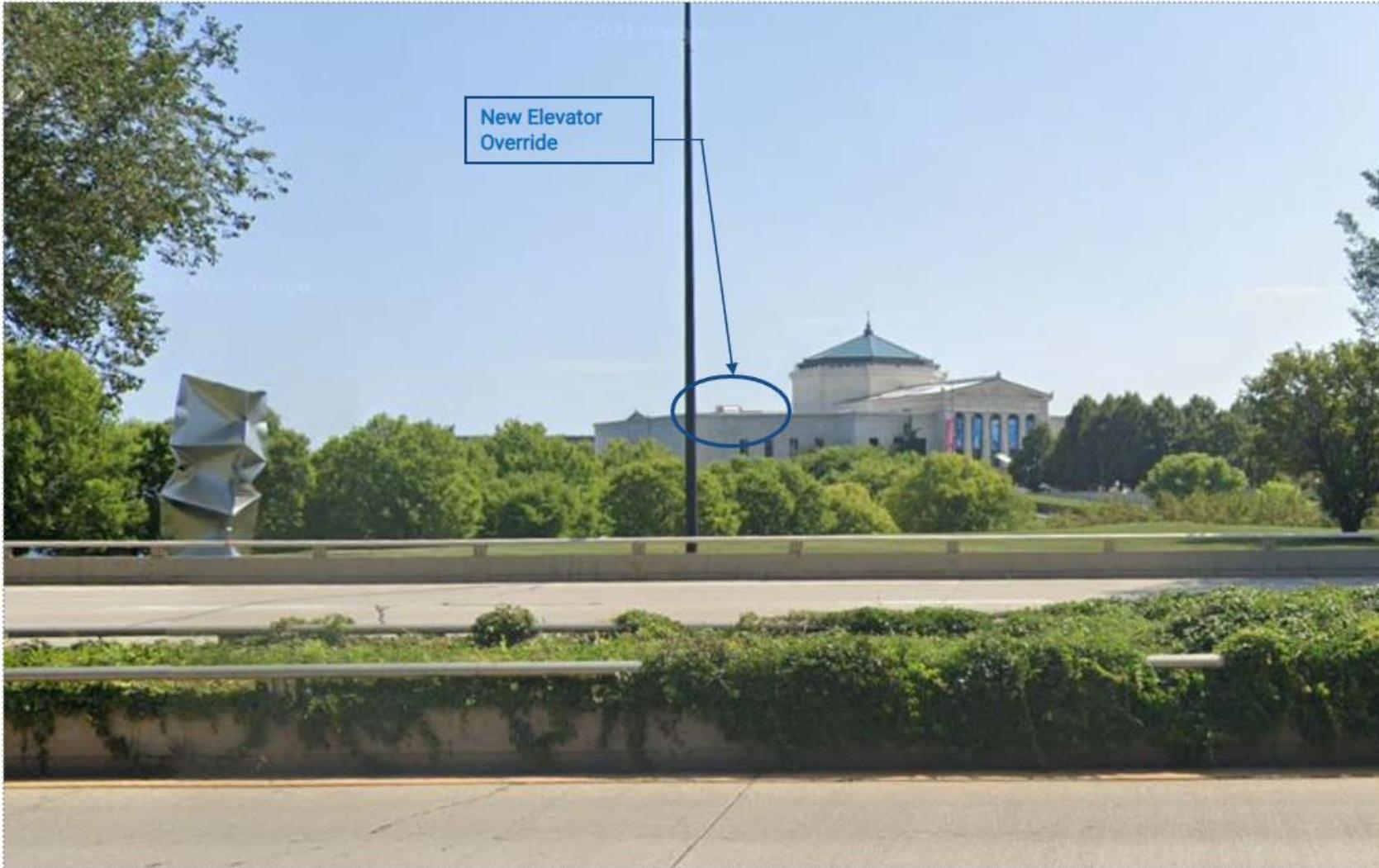
EXISTING NORTH TERRACE SECTION

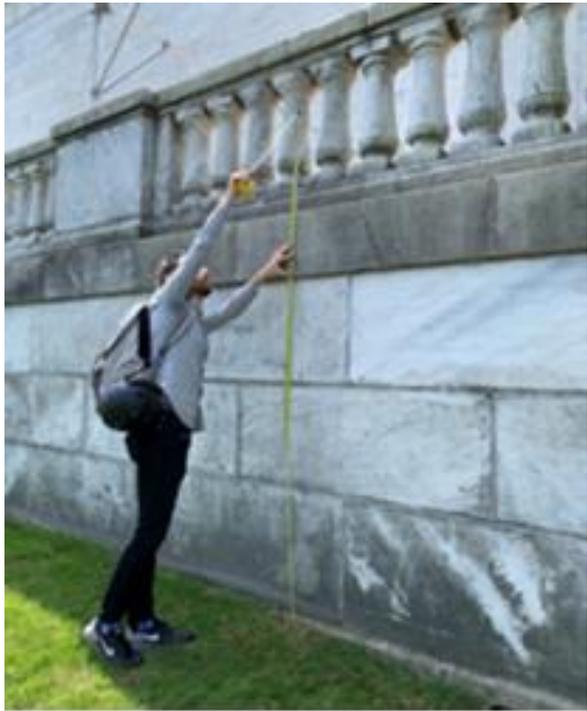


PROPOSED NORTH TERRACE SECTION

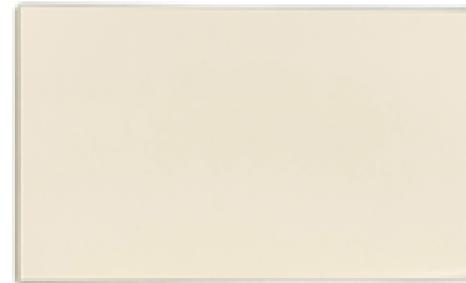






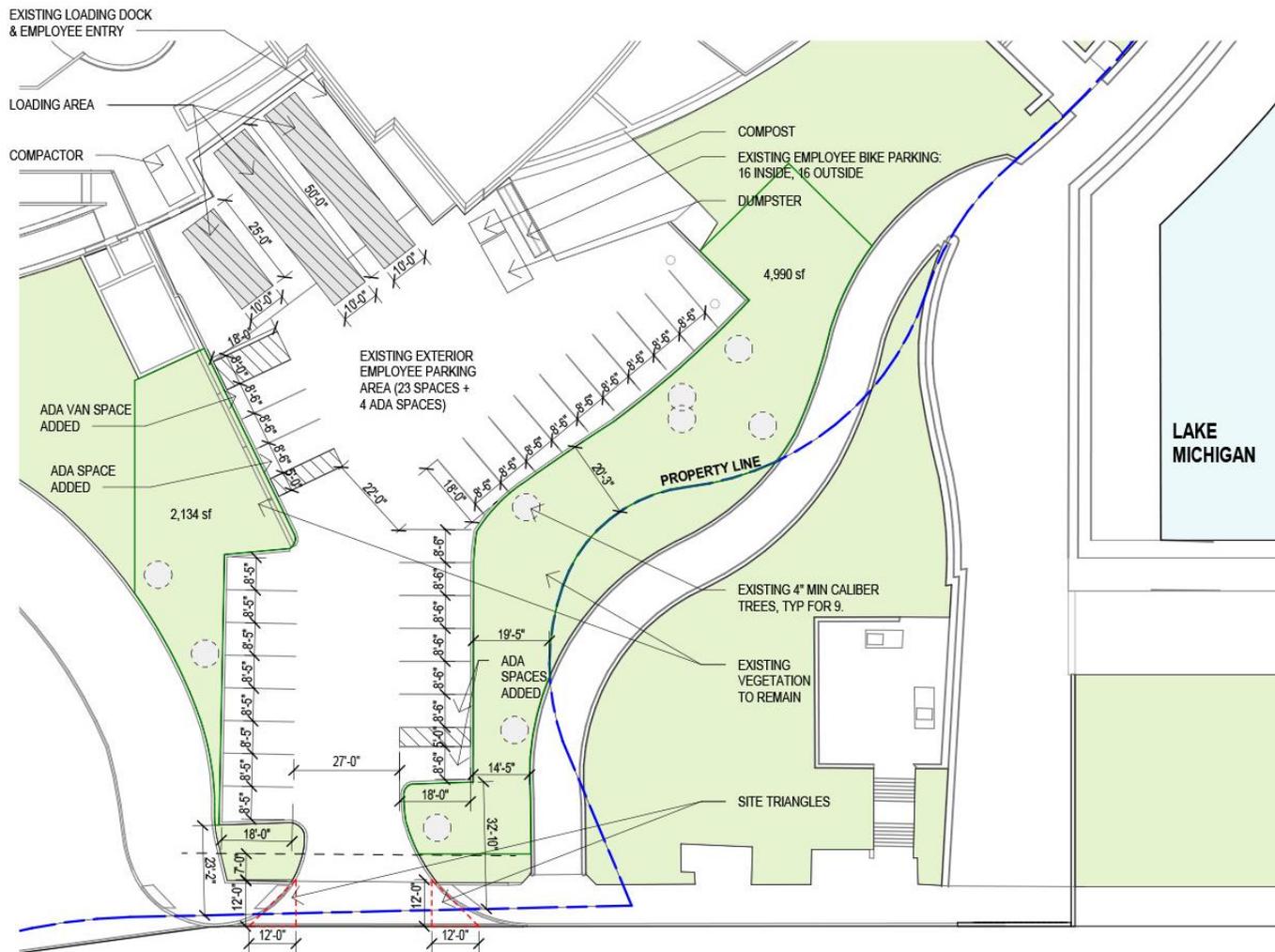


**North Terrace Railing & Stone Wall :**  
Georgia Marble to Match Existing



**Penthouse Addition/ Elevator  
Overrun Metal Panel :**  
Centria – 995 Cambridge White





**Existing Parking Lot SF:**  
 Overall Lot = 14,915 sf  
 Average Spot = 8' - 6" x 18' - 0" = 153 sf  
 Total SF of Just Parking Spaces = 4,119 sf

**New Construction SF Area:**  
 10,192 SF (not including mechanical)

**Interior Landscaping Per 17-11-0203-B:**  
 Required = 1,119 sf  
 Existing Landscaping = 6750 sf



Existing Parking Photo: Looking NW



Existing Parking Photo: Looking NE



## SHEDD STORMWATER MANAGEMENT

- **Pre-application meetings** held with Andrew Billings of the Department of Building to confirm compliance
- Southwest Entrance Site is considered a **regulated development** due to disturbance over 15,000 square feet
- **Bioswales** are located on either side of the Ticket Pavilion **to treat runoff** from site prior to discharging to the Storm Trap
- A **Storm Trap** will be below grade and include **2,700 cubic feet of stormwater detention**