





# PROJECT STATEMENT: INTRODUCTION



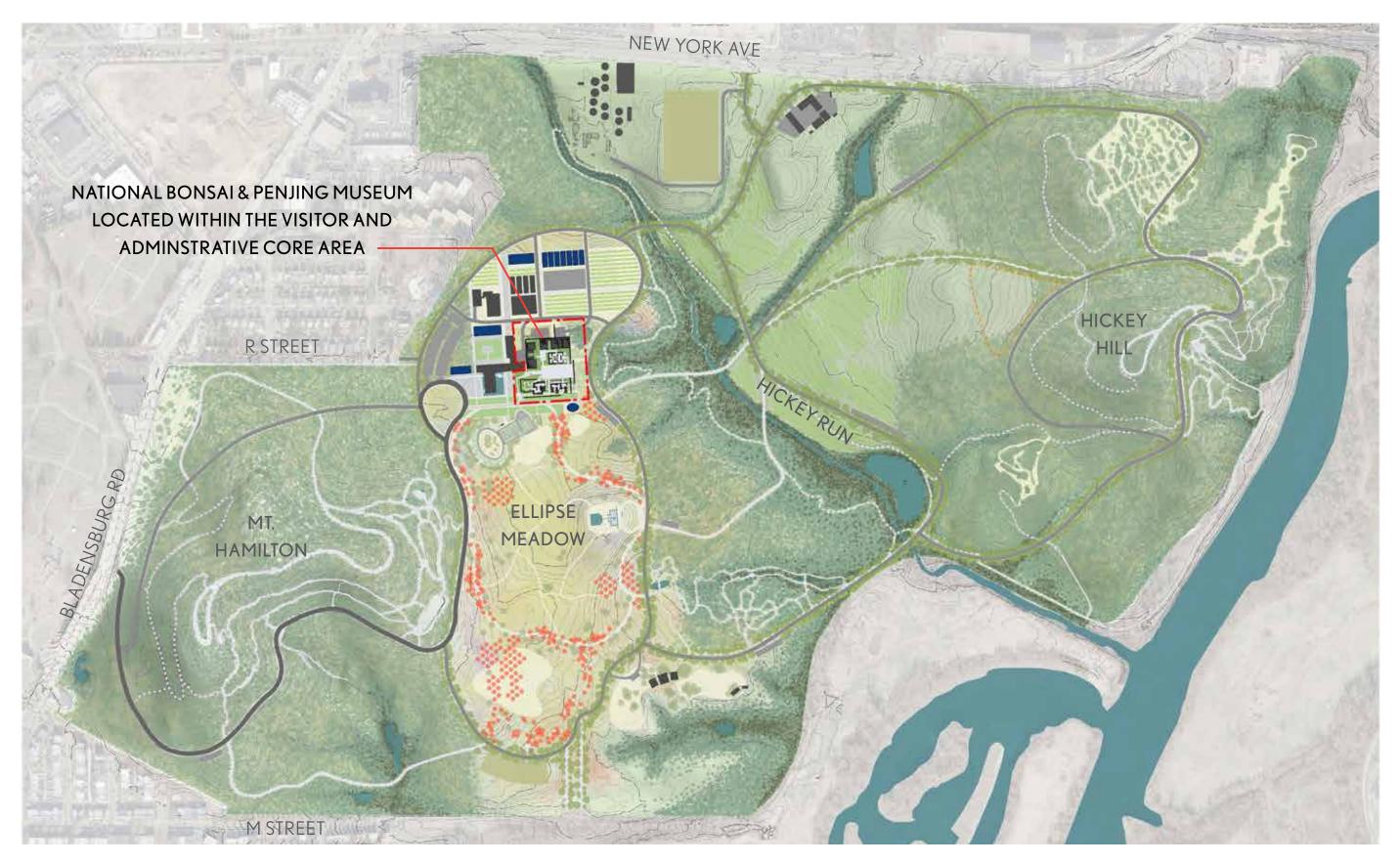
Existing complex

## PROJECT STATEMENT: LOCATION WITHIN THE CAPITAL

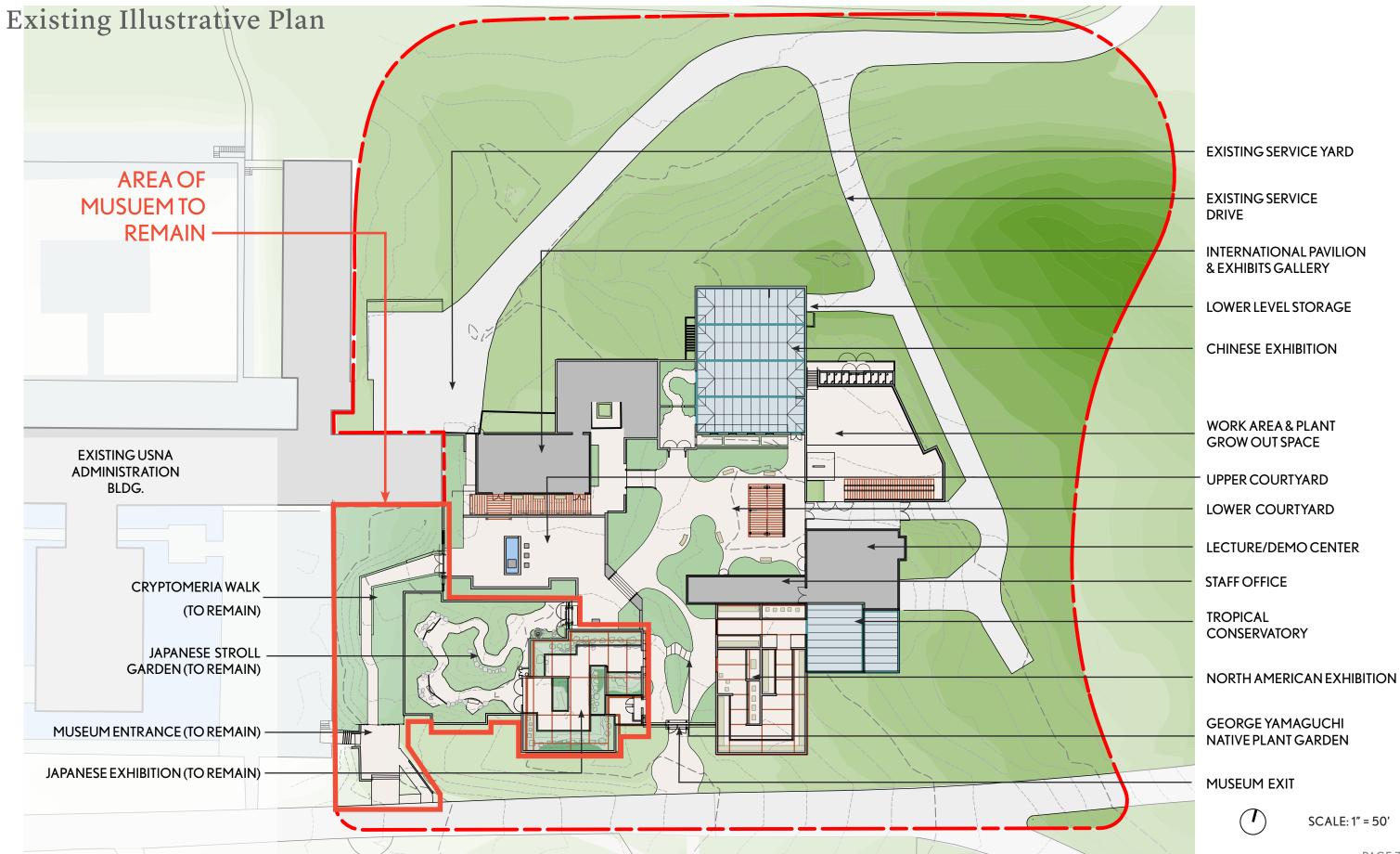


LOCATION OF UNITED STATES NATIONAL ARBORETUM IN WASHINGTON, D.C. (IMAGE FROM GOOGLE EARTH)

### PROJECT STATEMENT: LOCATION WITHIN ARBORETUM



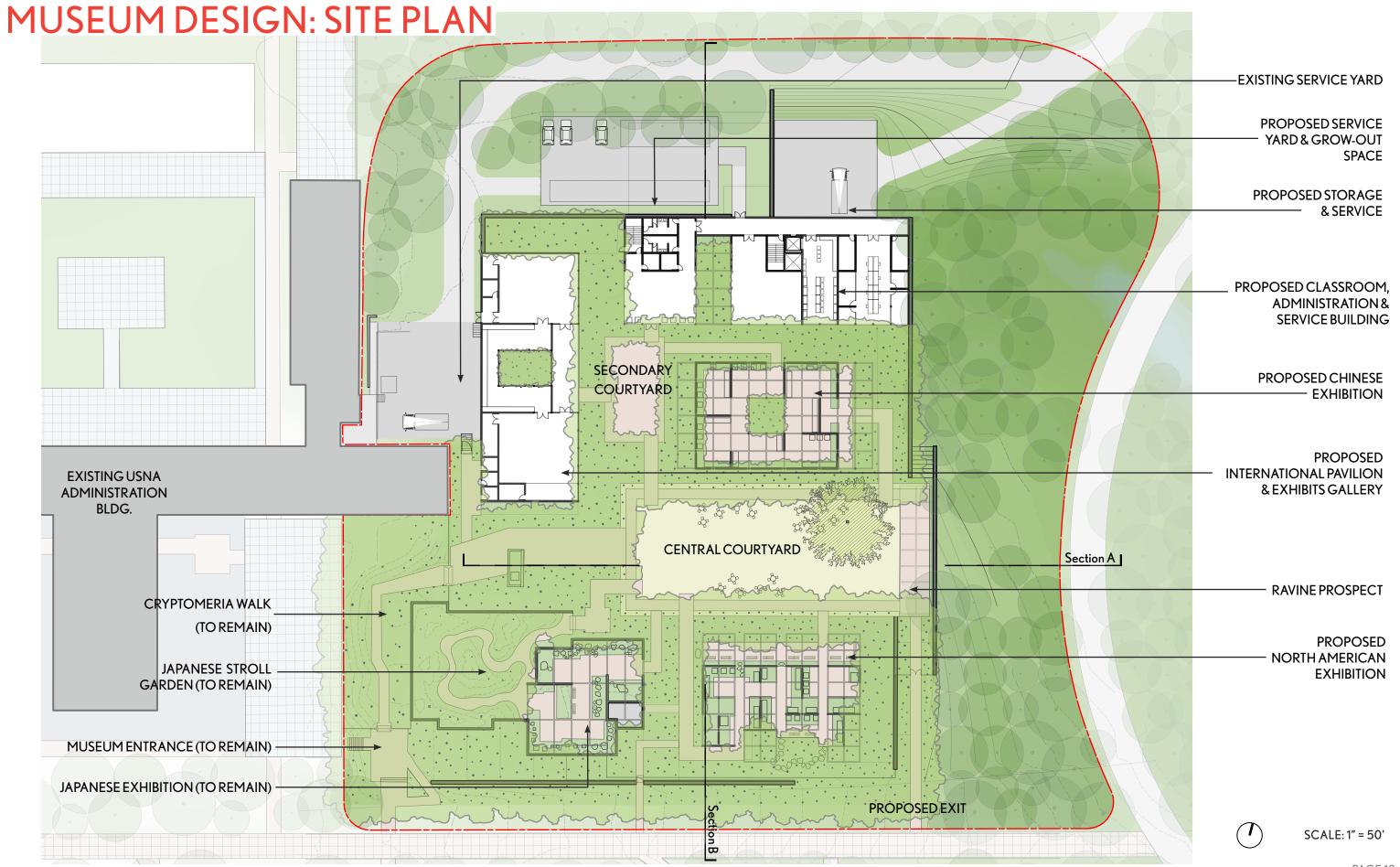
### **EXISTING CONDITIONS ANALYSIS**



#### PROJECT STATEMENT: GOALS

- 1. Renovate/rebuild the exhibitions to a level of quality expressed in the new Japanese Exhibition
- 2. Expand exhibits gallery with space for new collections; provide opportunities for interpretation within the collection
- 3. Bring clarity to the visitor experience including entrance, circulation and wayfinding
- 4. Improve ability to use the space for events
- 5. Strengthen the connection between the National Bonsai & Penjing Museum and the Arboretum Core including the future events pavilion
- 6. Provide universal accessibility throughout the museum complex
- 7. Consolidate service/operations, improving their functions while providing support space for events





#### MUSEUM DESIGN: PRINCIPLES FOR ORGANIZATION

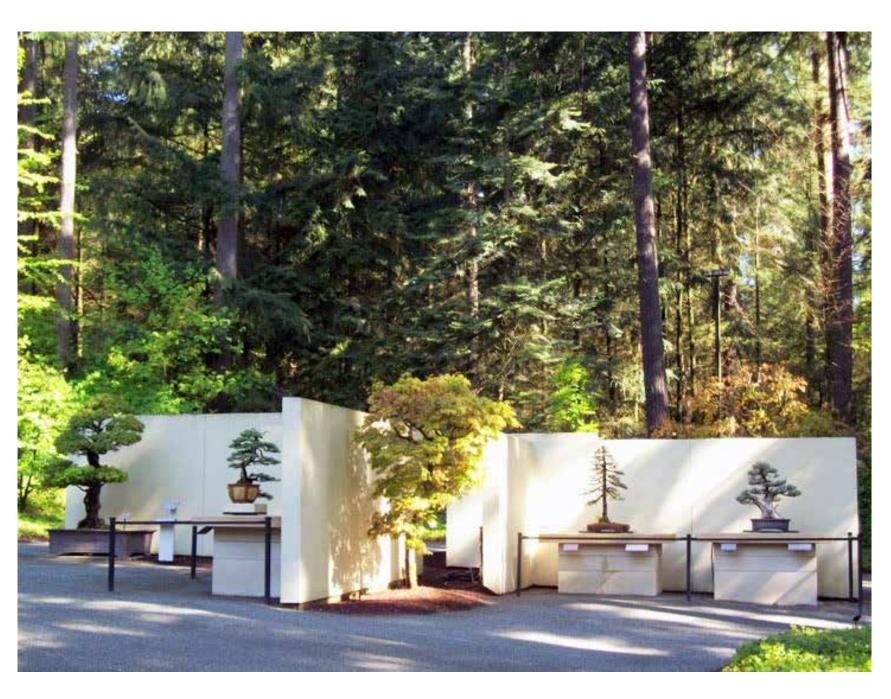
- 1. Provide clear points of entry into the museum complex from the arboretum core, defined by gardens
- 2. Develop a central court with flexible use to unify the museum complex
- 3. Provide identifiable entrances into each exhibition located on the central court
- 4. Develop a garden at each exhibition entrance that prepares visitors for the bonsai experience within; allow adequate space for small groups to gather
- 5. Create clear, directional circulation through the bonsai collections; visitors should not wonder if they have missed a portion of the collection
- 6. Separate and clarify exhibition entries and exits
- 7. Privilege the bonsai exhibitions and minimize the presence of service/support in the complex; organize service spaces to support the goals of the Master Plan Update

#### MUSEUM DESIGN: VEGETATION

Develop the exhibitions as gardens for shade, the cooling benefits of vegetation, and to create a connection between the larger landscape and the intimate bonsai



Precedent: Pacific Northwest Bonsai Museum



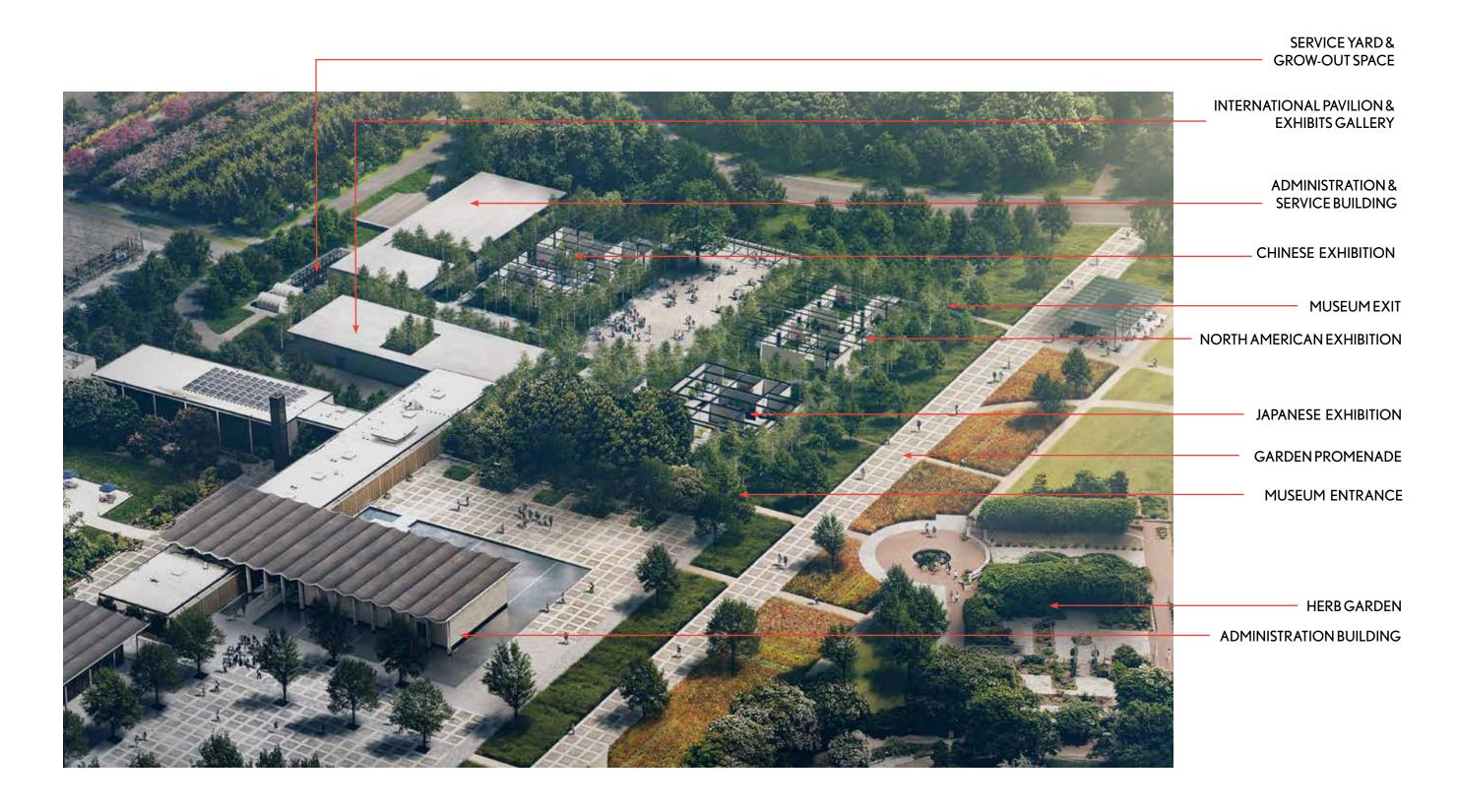
## MUSEUM DESIGN: VEGETATION

Understory trees with evergreen groundcovers: potential species selection



### MUSEUM DESIGN

Illustrative Aerial rendering





#### GARDEN EXHIBITIONS: PRINCIPLES

- 1. Each exhibition shall reflect the cultural expression of the bonsai or penjing within it, whether subtle or distinct
- 2. Promote the exhibitions as gardens rather than buildings
- 3. Create clear circulation through the exhibition for ease of wayfinding
- 4. Configure spaces to bring elements of surprise, revelation, and discovery to the visitor experience; allow for moments of pause and reflection within the exhibitions
- 5. Provide apertures in the exhibition enclosure for borrowed views and air flow
- 6. Incorporate vegetation into the exhibitions for cooling benefits
- 7. Allow for many solar orientations and micro-climates of the bonsai tree display areas to promote flexibility of use and tree rotation

#### GARDEN EXHIBITIONS: PRINCIPLES

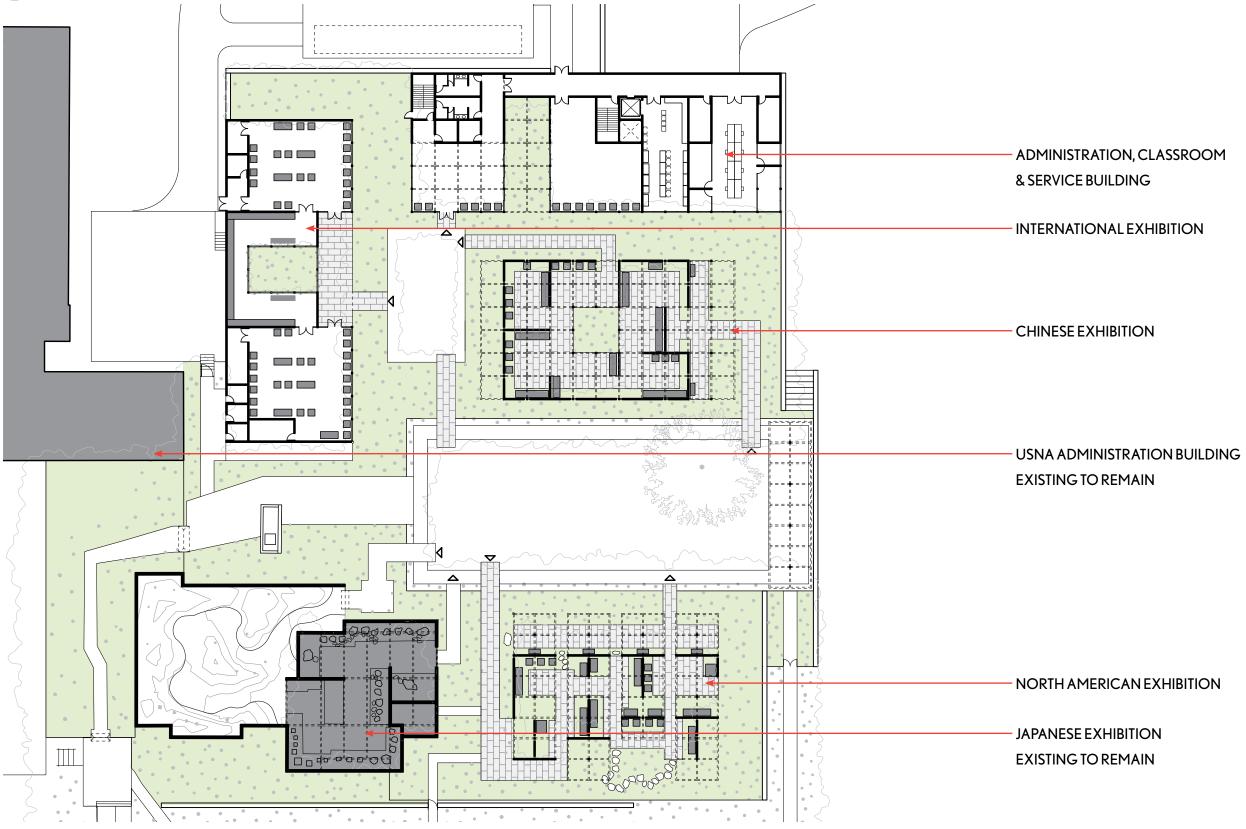
- 8. Allow for ease of access and maintenance for museum staff
- 9. Provide physical barriers or visual cues to keep visitors at appropriate distance from the trees
- 10. Utilize durable materials that will age or patina over time, reflecting the longevity of the bonsai or penjing tradition
- 11. Forego winterization of exhibitions; develop overhead structural system for shade and lighting

### GARDEN EXHIBITIONS: SYSTEM COMPONENTS

Organization CHINESE **NORTH AMERICAN INTERNATIONAL ADMINISTRATION EXHIBITION EXHIBITION** BUILDING **EXHIBITION** Backdrop Walls Floating Displays Columns/Veranda :..... Overhead Structure

### GARDEN EXHIBITIONS: ARCHITECTURAL SITE PLAN

Museum Relationships



## GARDEN EXHIBITIONS: CENTRAL COURTYARD

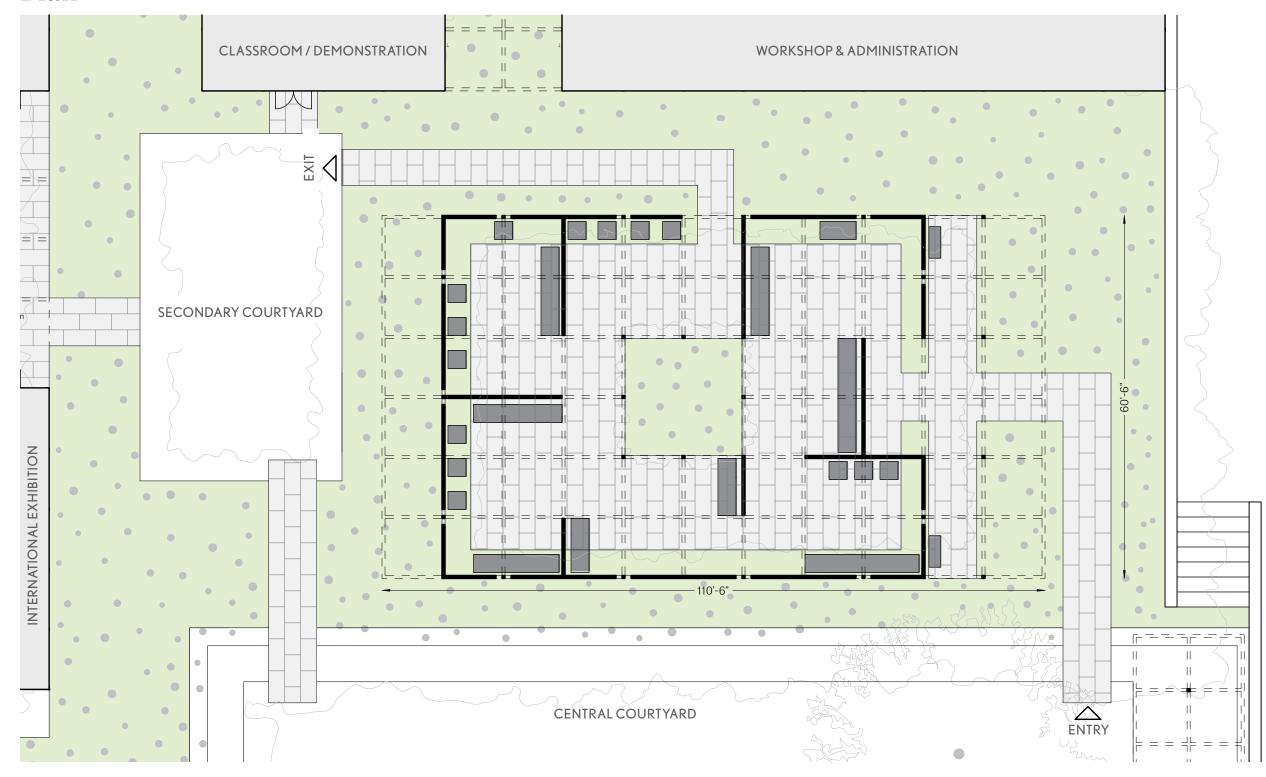
Rendering looking East



## GARDEN EXHIBITIONS: CHINESE EXHIBITION

#### Plan

REEDHILDERBRAND TRAHAN ARCHITECTS



0' 12' 24' 36' 48' 60' 1/16" = 1'

CONCEPT DESIGN REPORT - SEPETEMBER 3, 2020

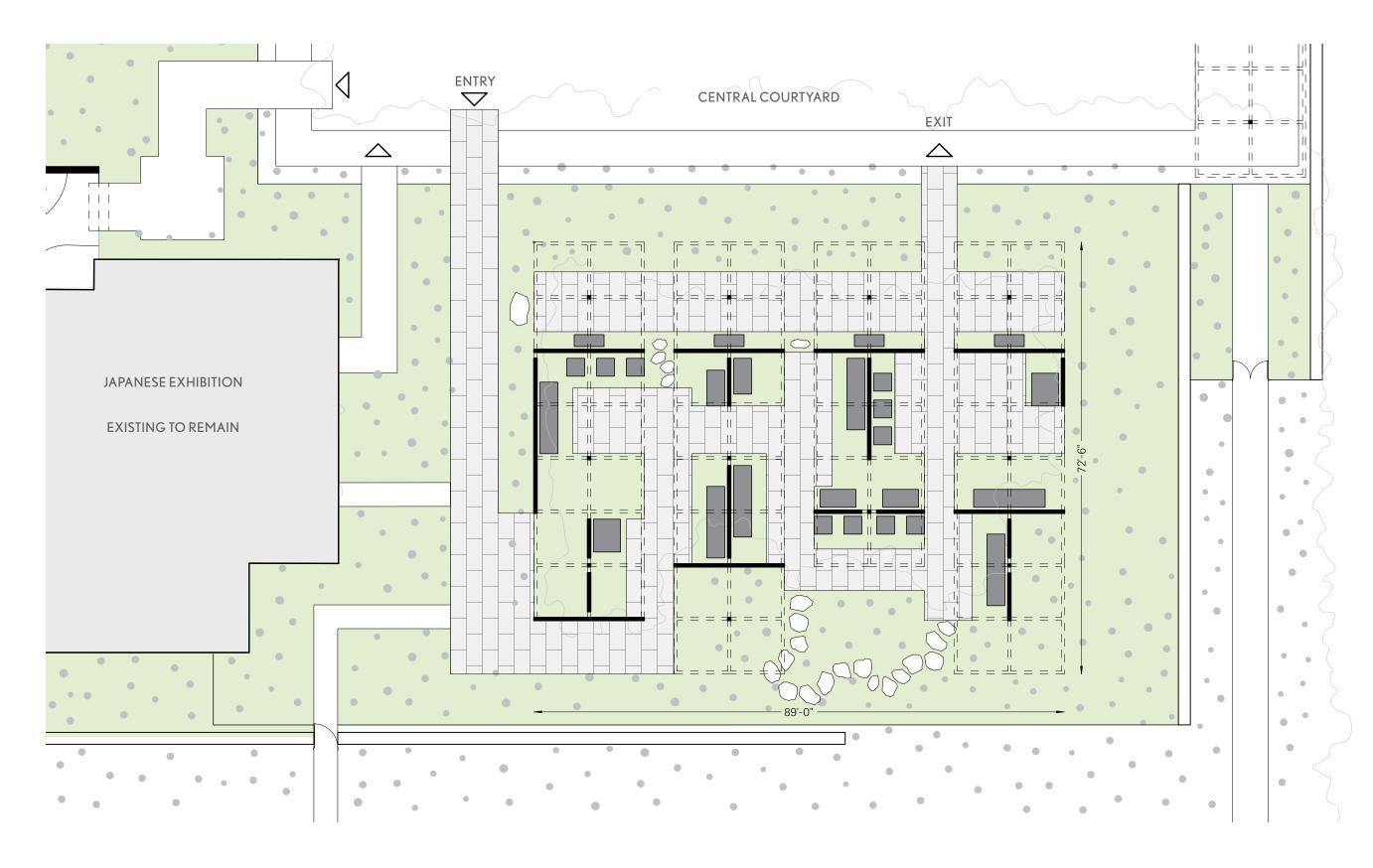
# GARDEN EXHIBITIONS: CHINESE EXHIBITION

Exterior View of Entry Looking West



### GARDEN EXHIBITIONS: NORTH AMERICAN EXHIBITION

#### Plan



## GARDEN EXHIBITIONS: NORTH AMERICAN EXHIBITION

Exterior View of South Elevation



## GARDEN EXHIBITIONS: NORTH AMERICAN EXHIBITION

Interior View, Featuring Goshin





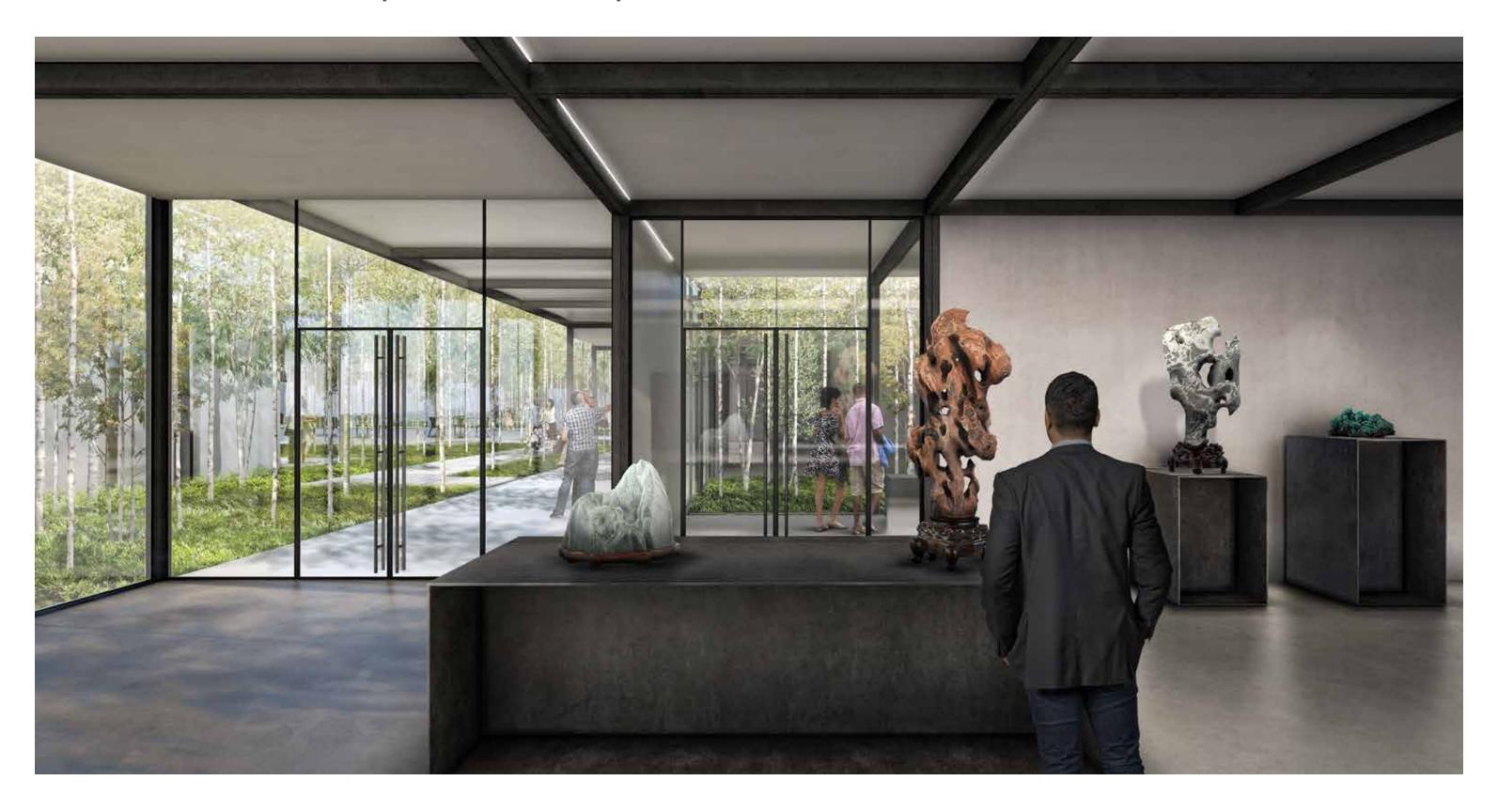
## CONDITIONED STRUCTURES: INTERNATIONAL EXHIBITION & STONE GALLERY

Plan



## CONDITIONED STRUCTURES: INTERNATIONAL EXHIBITION & STONE GALLERY

Interior View of Stone Gallery [Kemin Hu Gallery]



# CONDITIONED STRUCTURES: ADMIN., CLASSROOM & SERVICE BUILDING

Plan: Level 1 SERVICE YARD & GROW-OUT SPACE LOADING / SERVICE (LEVEL -1) - 160'-6" **SERVICE ENTRY** INTERNATIONAL EXHIBITION PUBLIC ENTRY SECONDARY COURTYARD



# MUSEUM COMPLEX

Physical Model Photography

