

Brooklyn Children's Museum Garden Renovation/ Earth Science Garden

PDC Review - March 22, 2021



GANS&CO

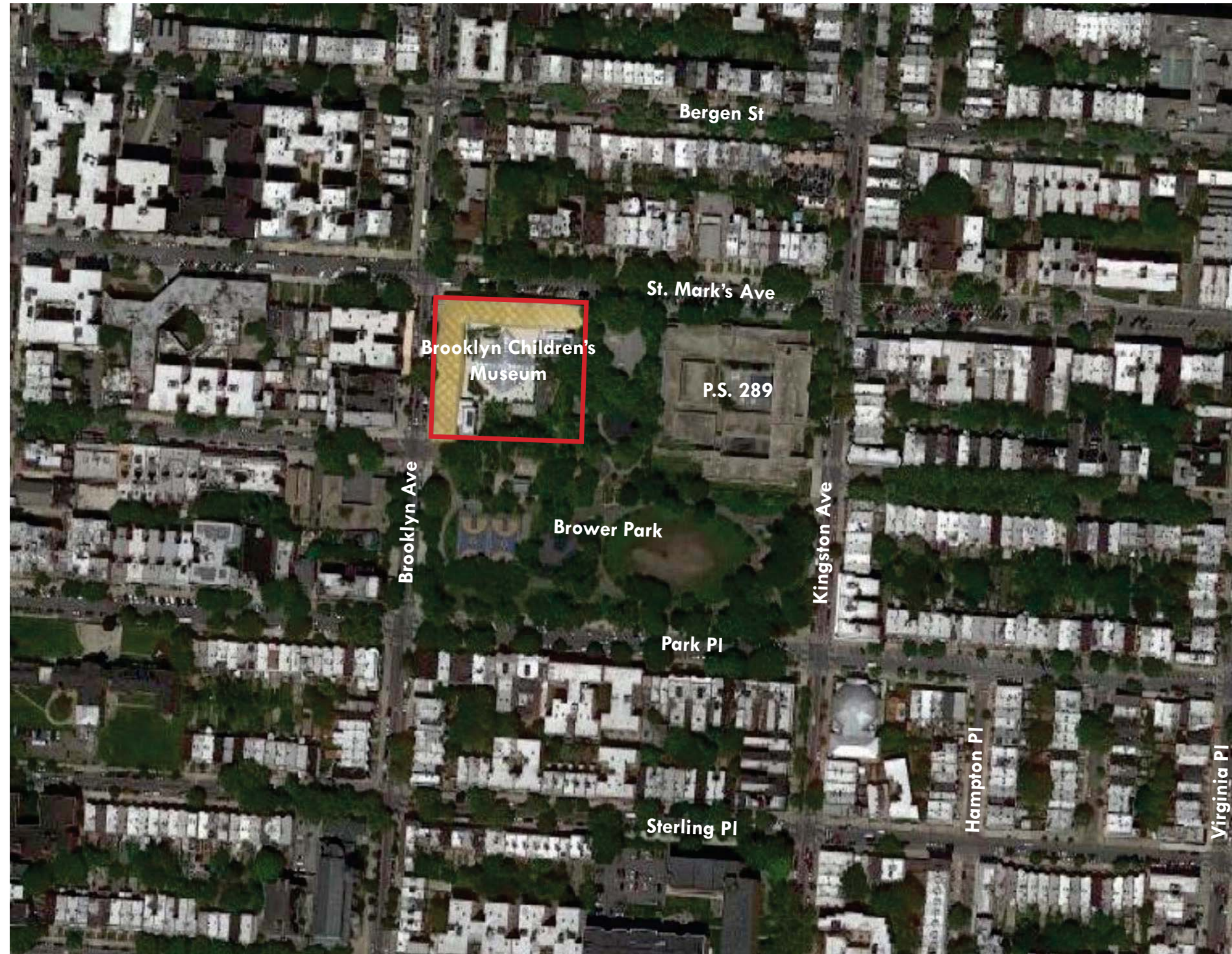
Nancy Owens Studio LLC

Brooklyn Children's Museum
Garden Renovation
PDC Preliminary Review
March 22, 2021



Project Location
Borough

3 mi



NYC Cultural Affairs



BROOKLYN
CHILDREN'S
MUSEUM

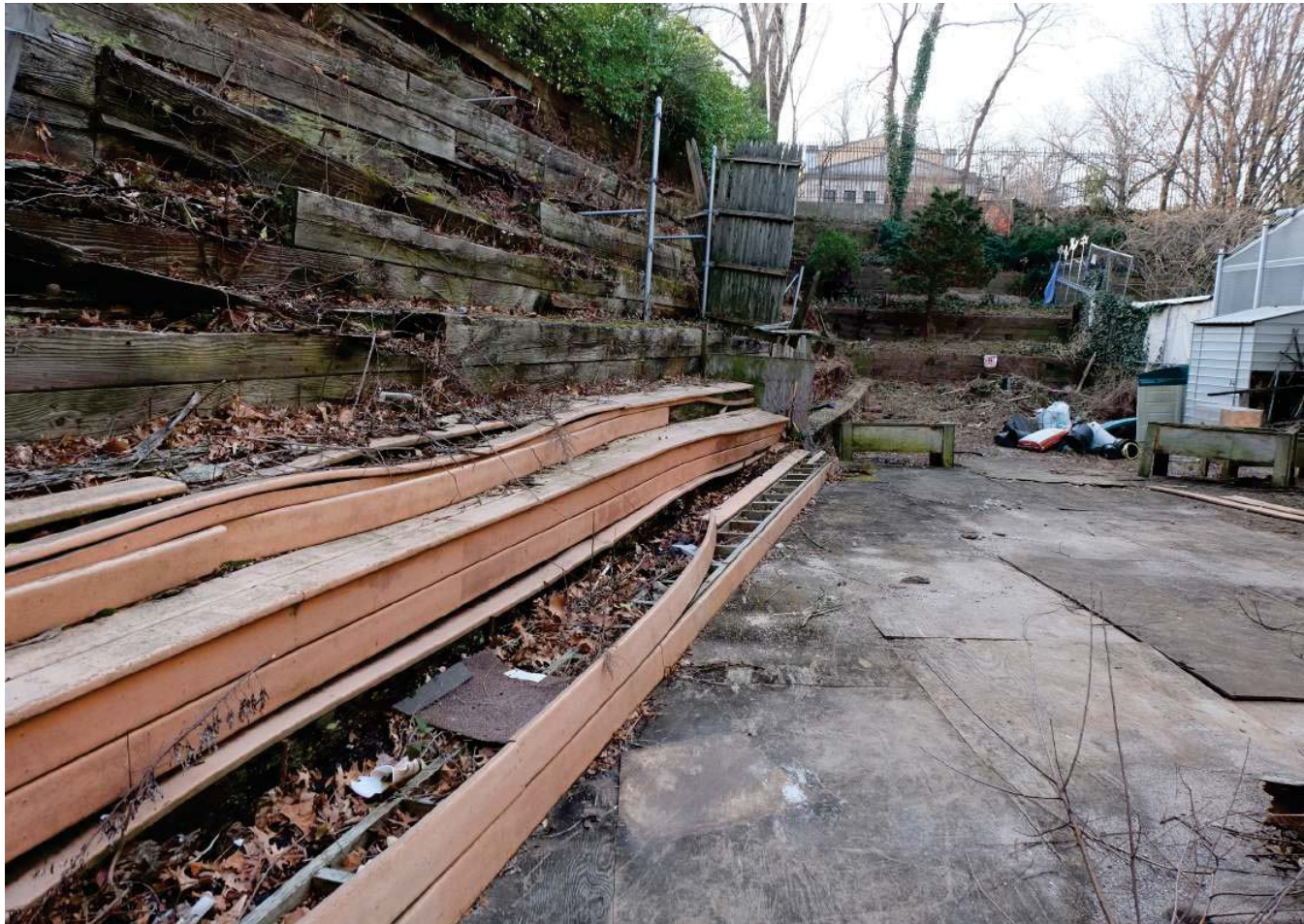
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Project Location
Neighborhood

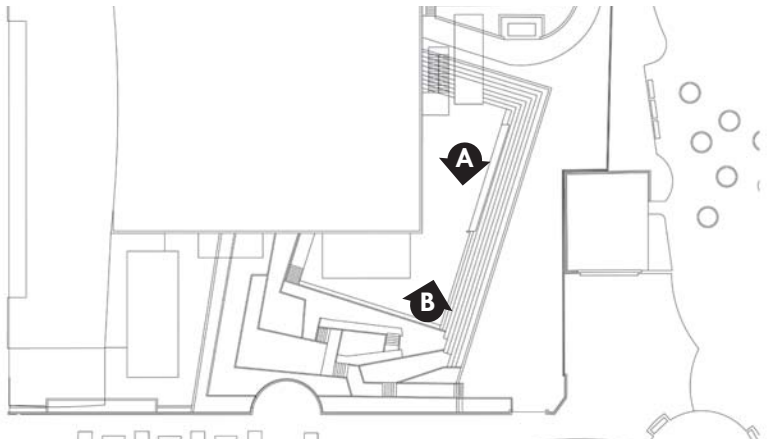
1000'

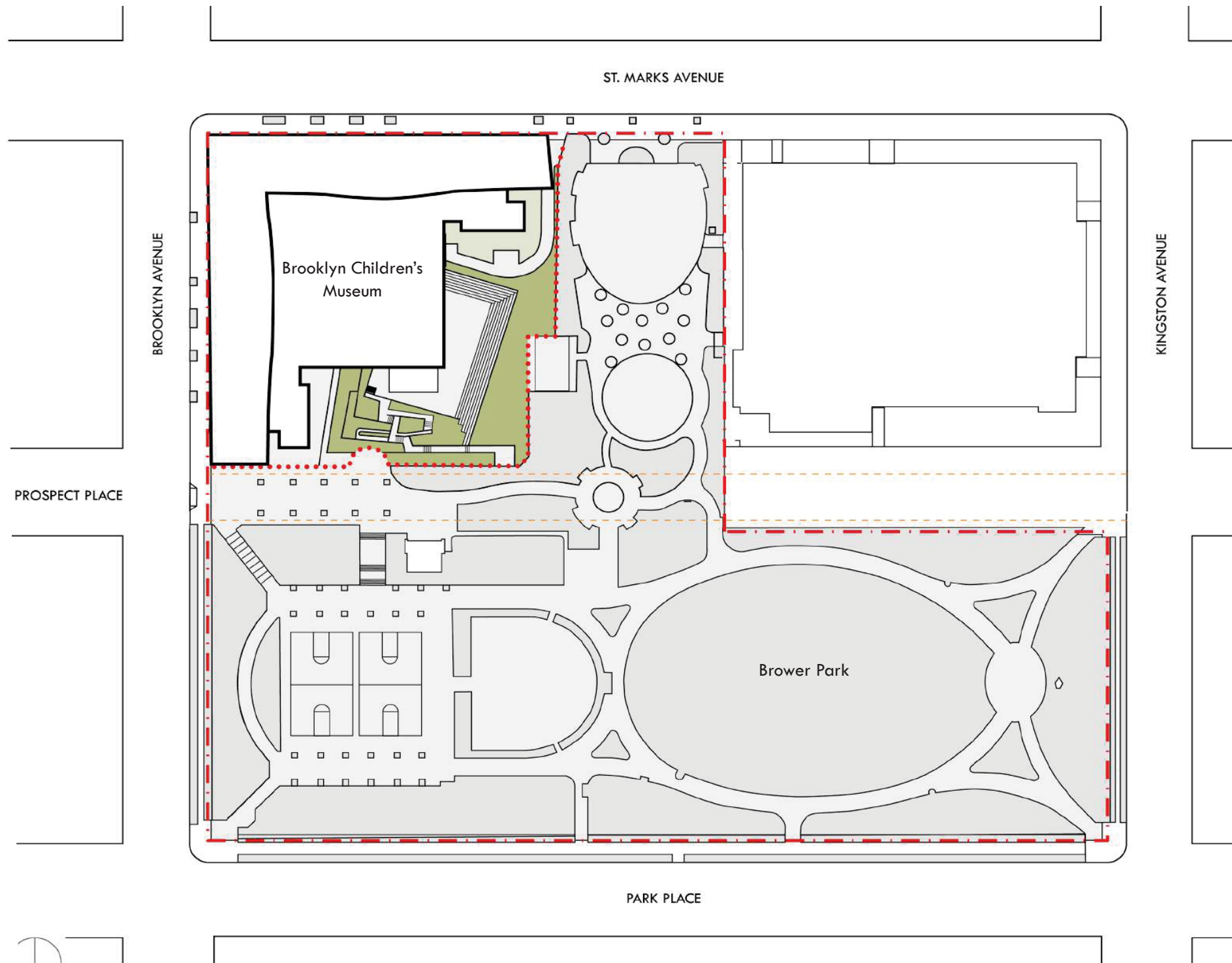


A. Looking south toward Brower Park



B. Looking north toward disused tunnel and collapsed wall





LEGEND

- - - Brower Park Perimeter
- Brooklyn Children's Museum Site within Brower Park
- - - Easement along former Prospect Place



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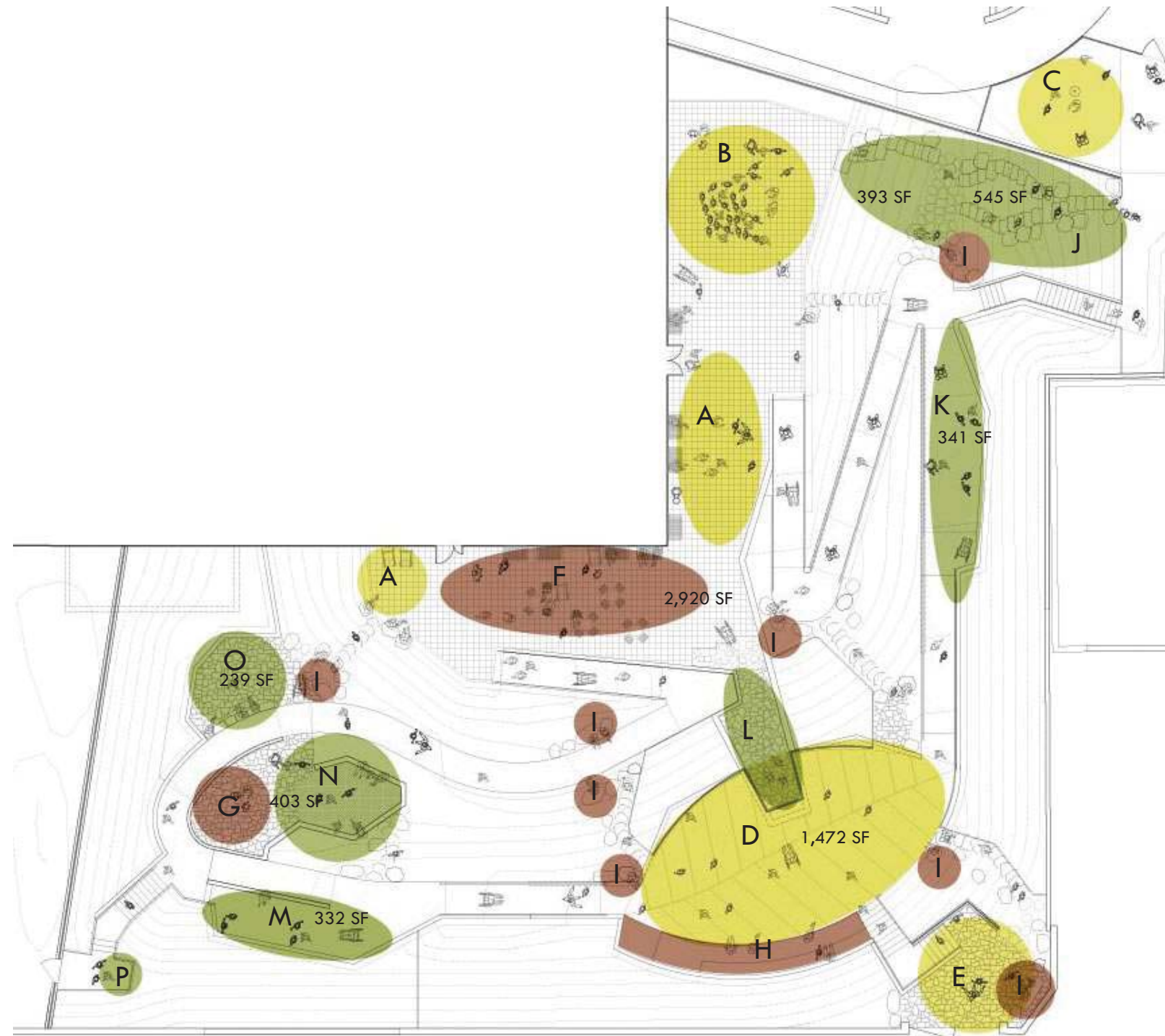
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Project Location
Brower Park

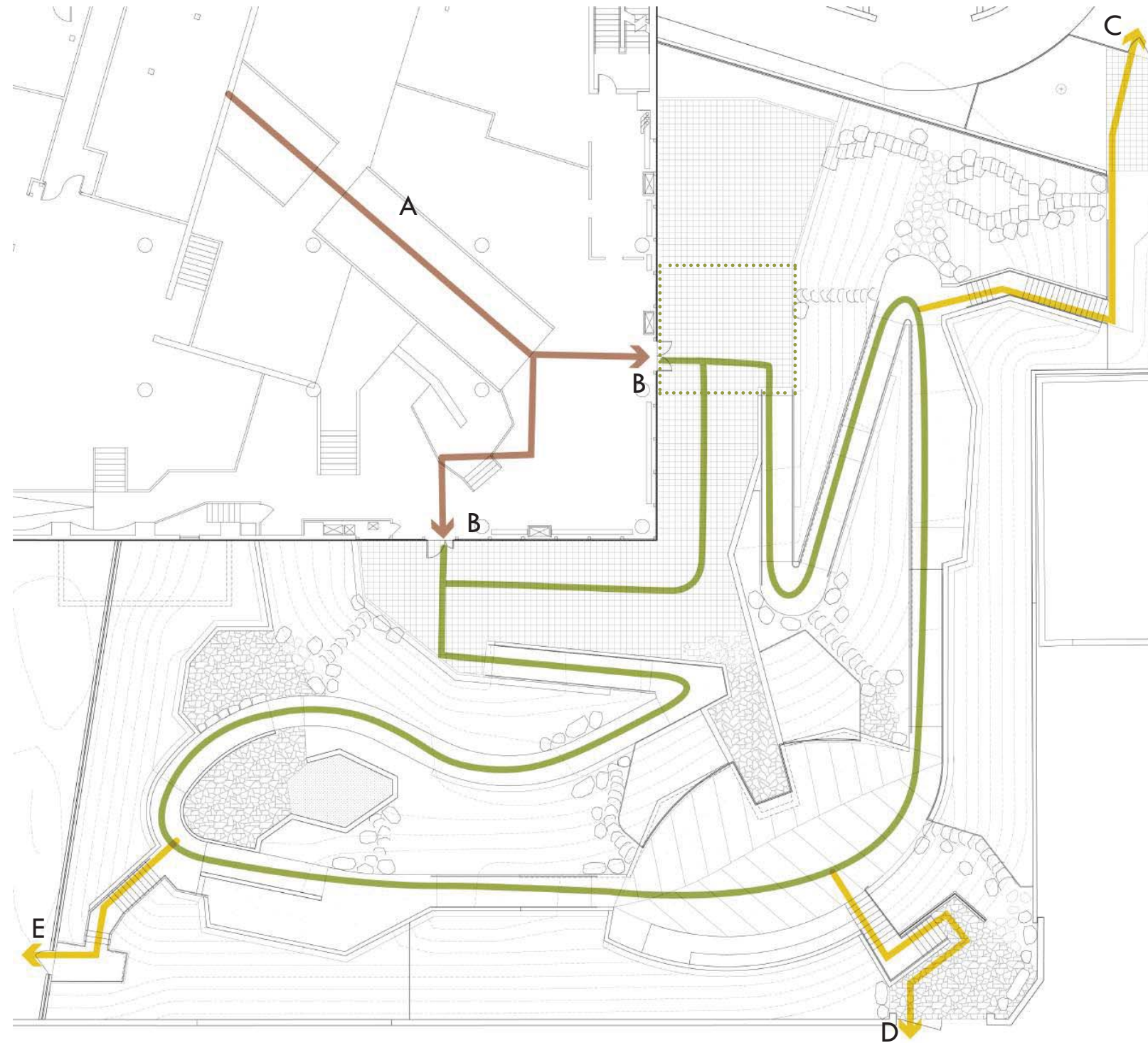
100'



LEGEND

- **Gathering and Museum Program Areas**
 - A** East Entry Terrace with Stroller Parking and Bench Seating
 - B** North Entry Terrace with School Group Gathering
 - C** North Upper Terrace with Monumental Oak
 - D** Overlook Terrace for Large Gatherings and Programs
 - South Upper Terrace at Brower Park Entry
- **Garden Resting and Seating**
 - East Entry Terrace
 - G** Quarry Garden Seating
 - H** Stepped Seating with ADA spaces
 - Informal Seating
- **Activity and Installation Spaces**
 - Upper North Slope with Climbing Path
 - K** East Niche with Geological Strata Wall
 - L** Crevasse
 - M** South Niche with Geological Strata Wall
 - N** Quarry Garden Dig
 - West Niche
 - P** West Upper Terrace

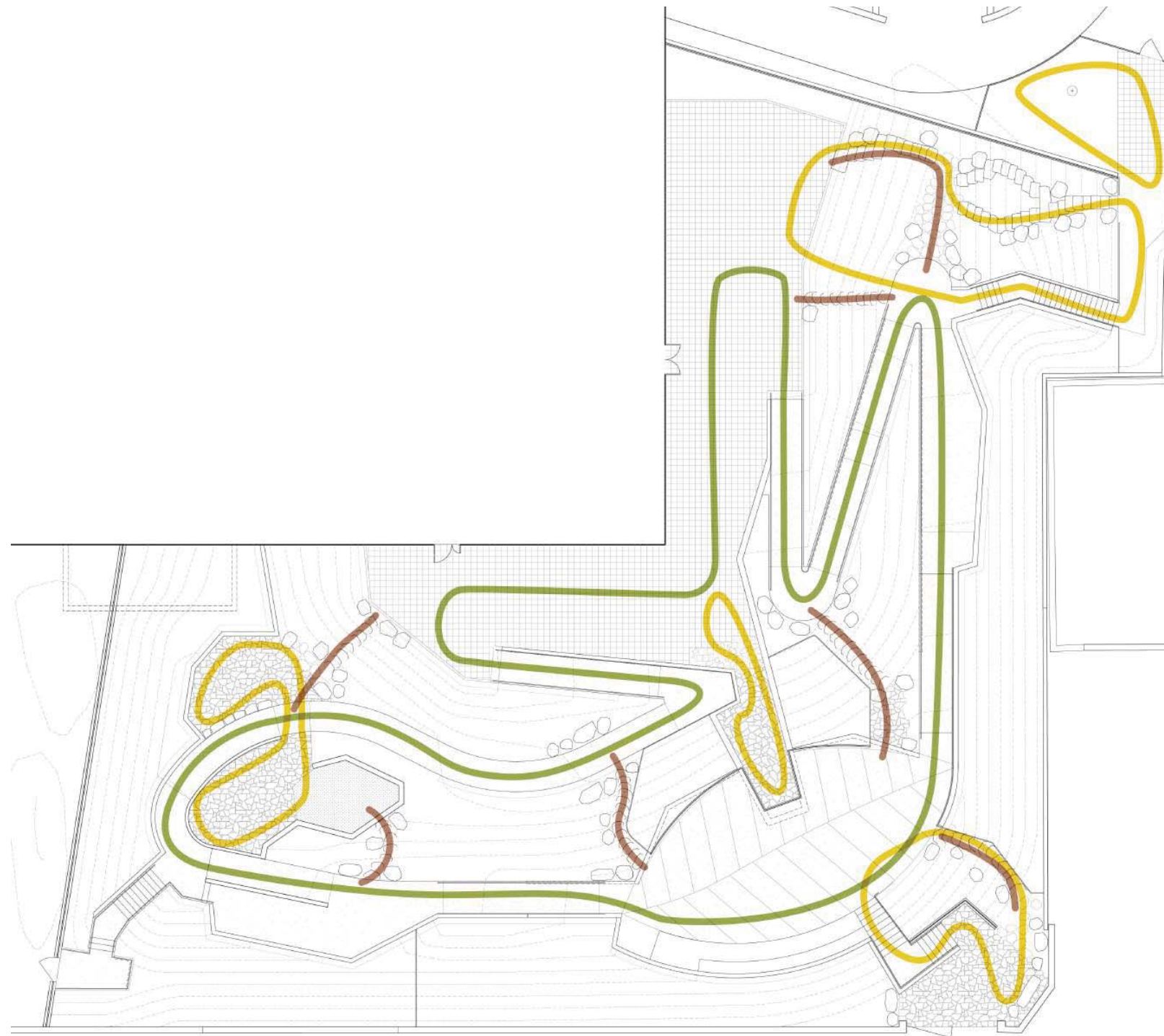




LEGEND

- A** Museum Ramp Circulation
from Primary Entrance to ground floor Egress
- B** Existing Museum Exit
Path of Egress terminates at the exterior of the door at the
Lower Terrace.
- C** Continuation of circulation to St Marks Ave
via ramp and convenience stair
- D** Continuation of circulation to Brower Park via ramp
and convenience stair
- E** Continuation of circulation to Brooklyn Ave via path, ramp
and convenience stair
- Primary Circuit**
- Required Exit Area of Refuge**

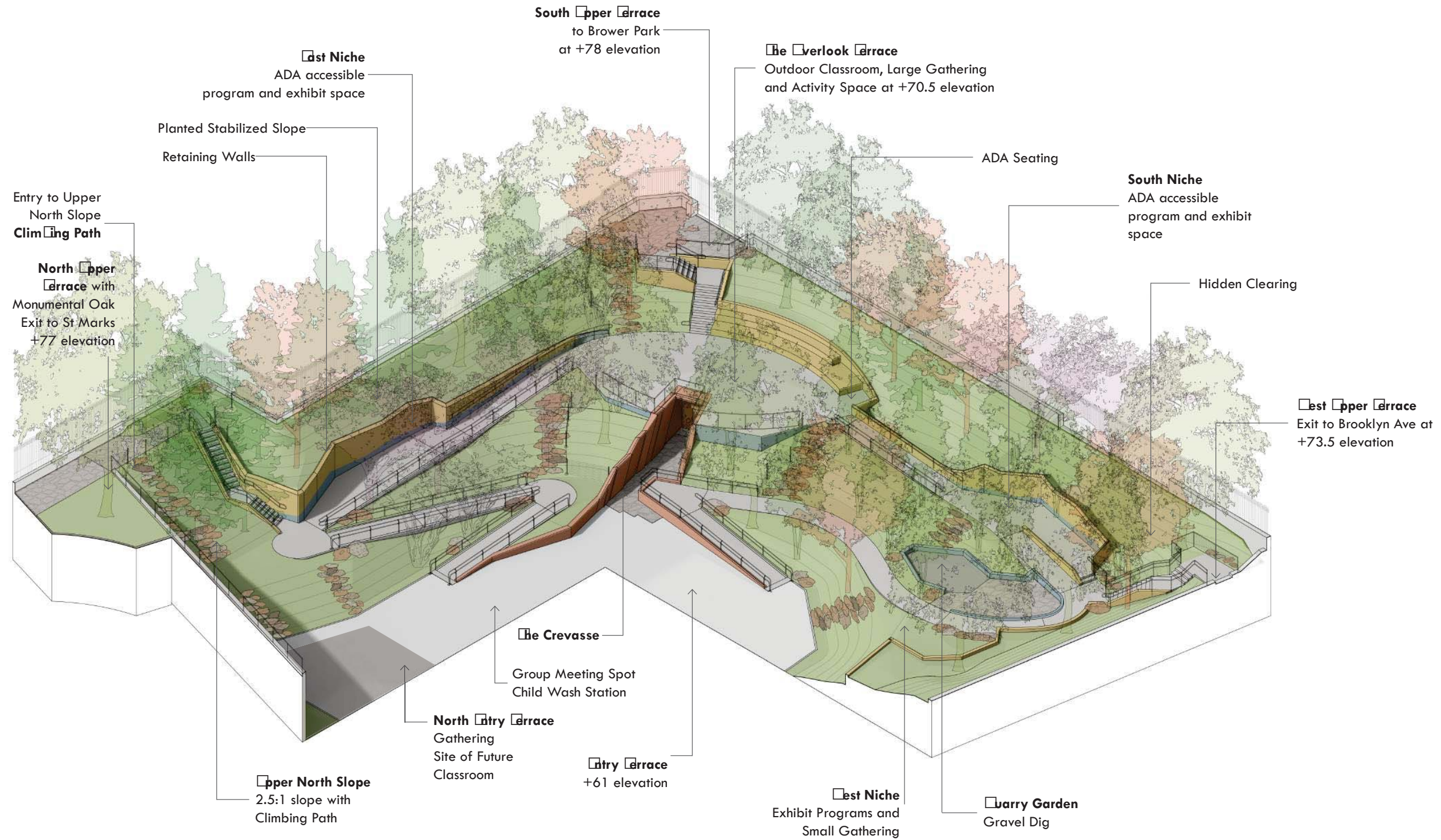




LEGEND

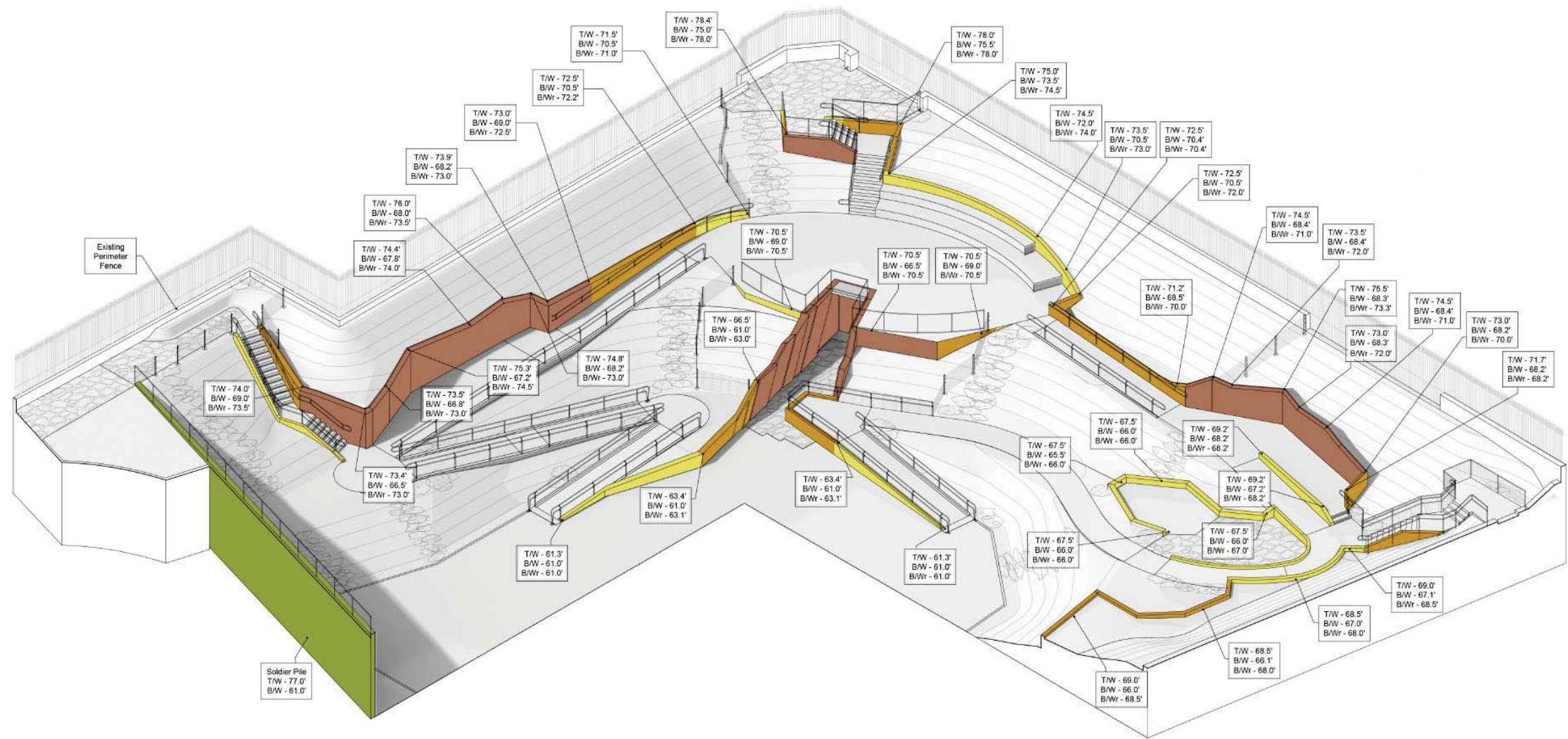
- Primary ADA Circuit to all formal program spaces
- Secondary Path and exploration circuits
- Shortcut Maintenance Paths





LEGEND

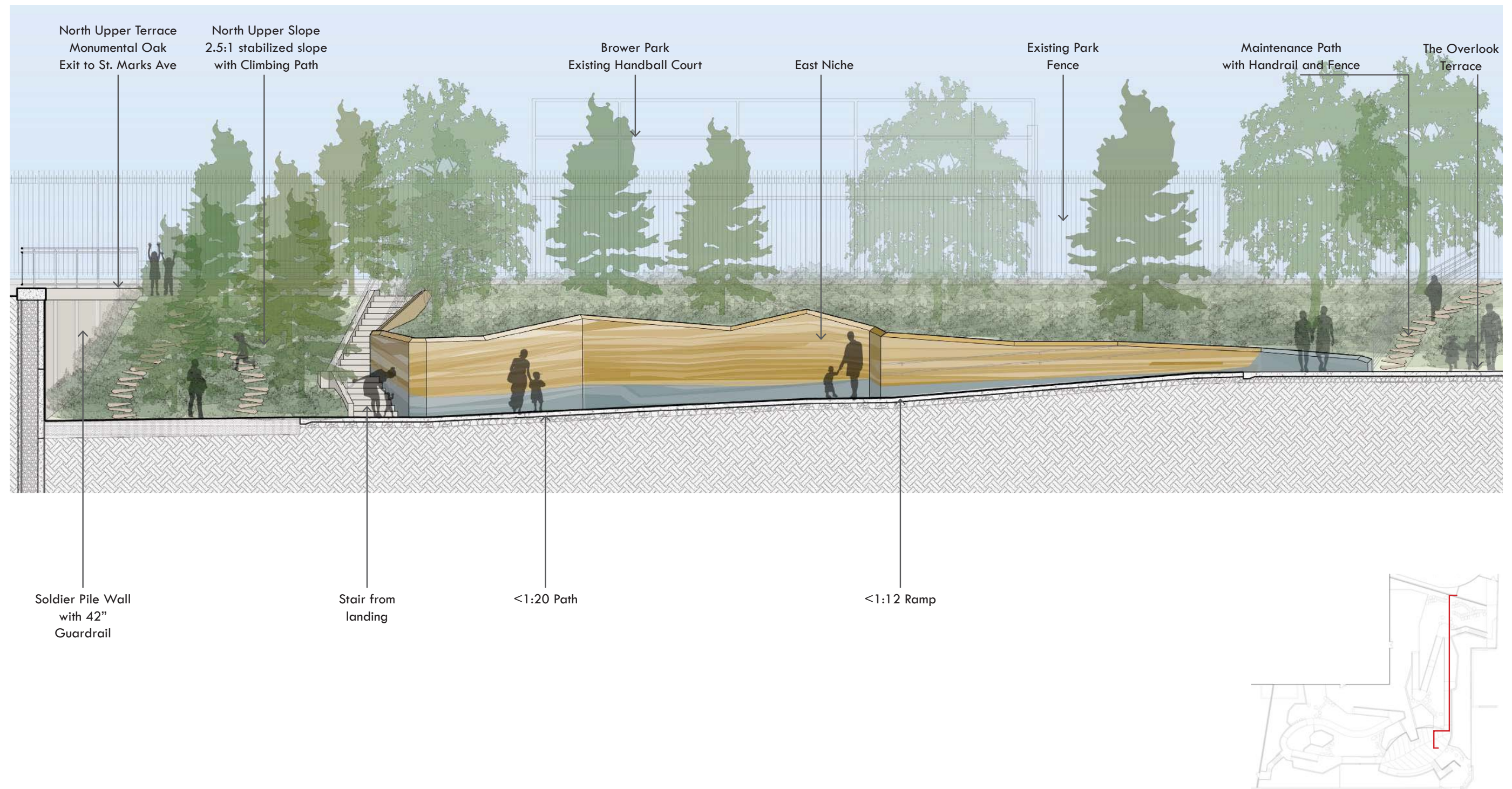
- Retaining Wall >2.5'
- Retaining Wall <2.5'
- Curb
- Soldier Pile Wall

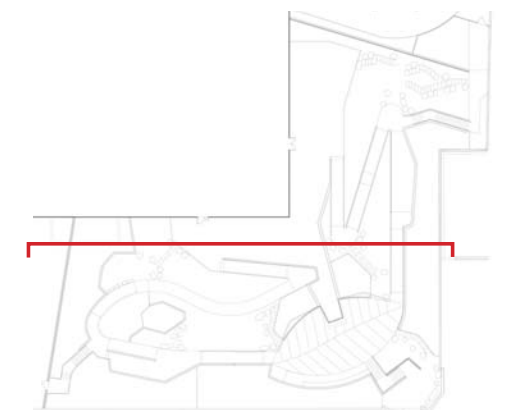
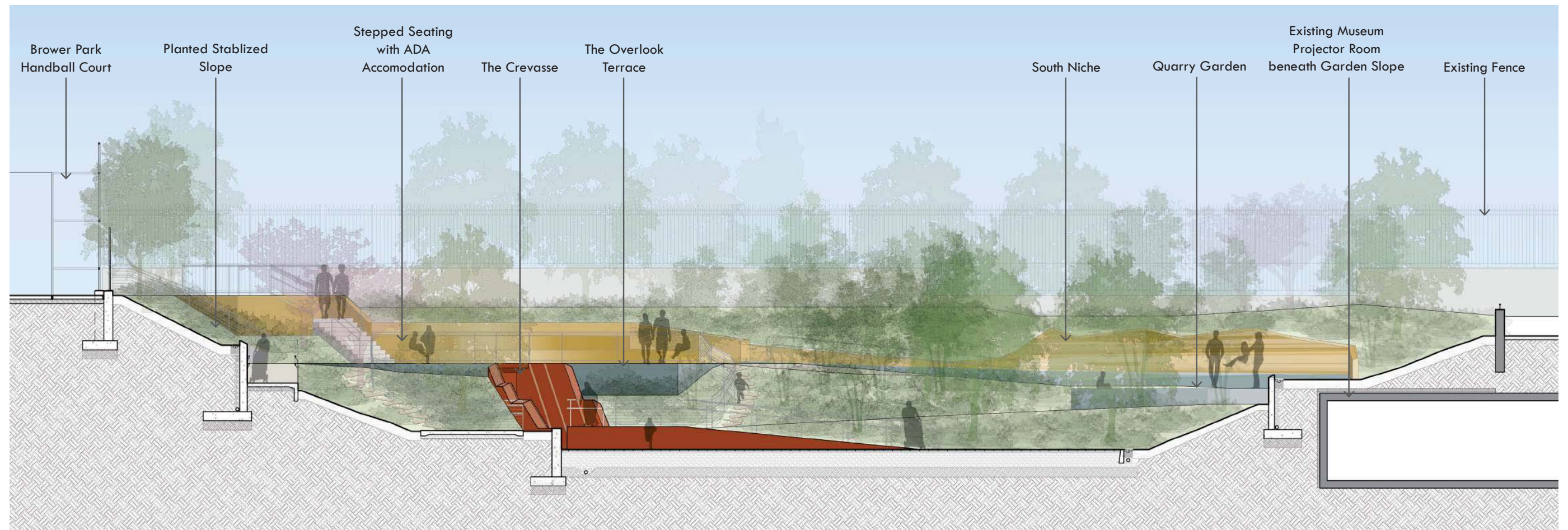


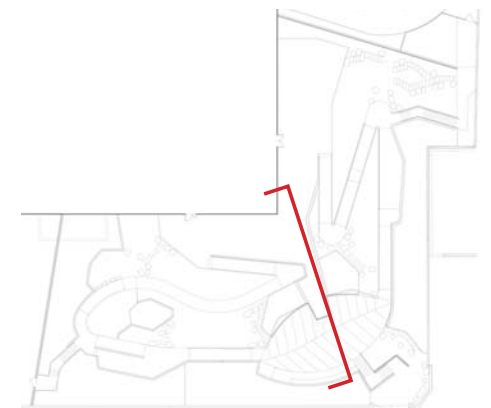
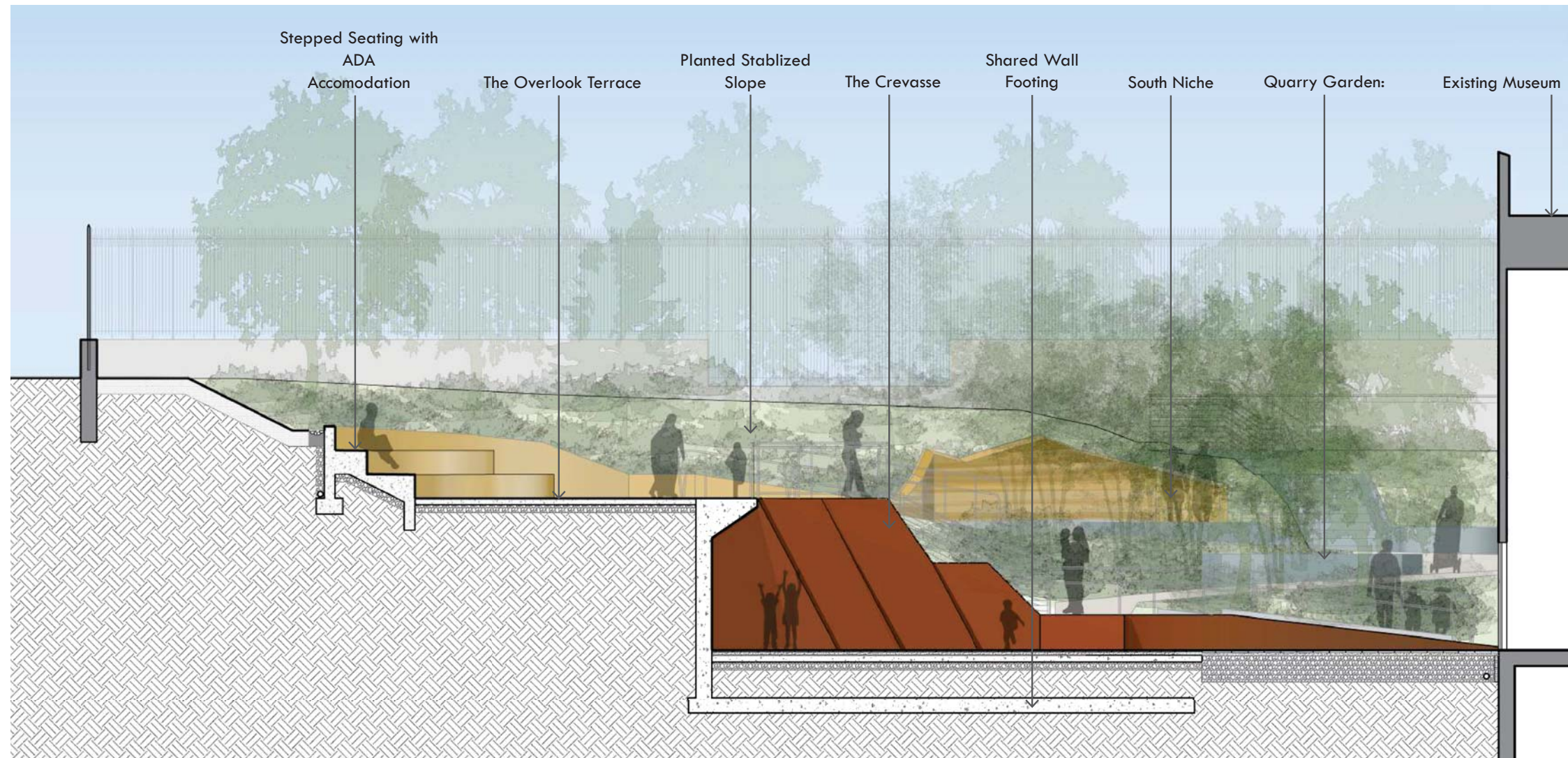
LEGEND

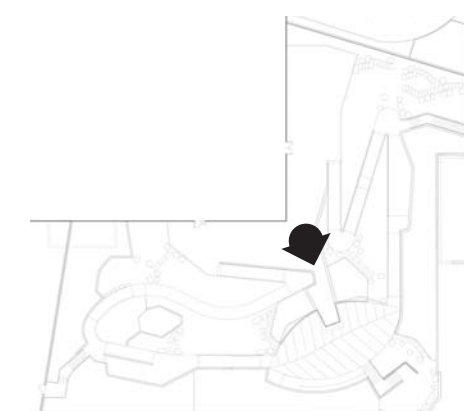
- Handrail
- Guardrail
- Area Limiting Fence: Permanent

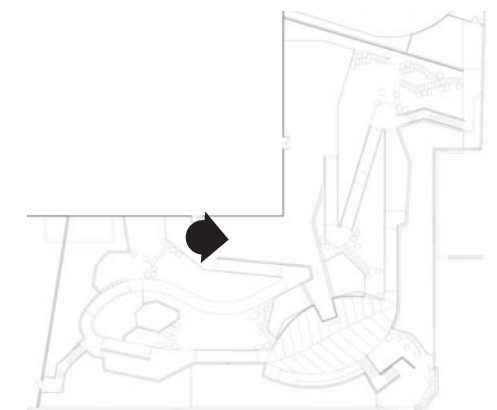


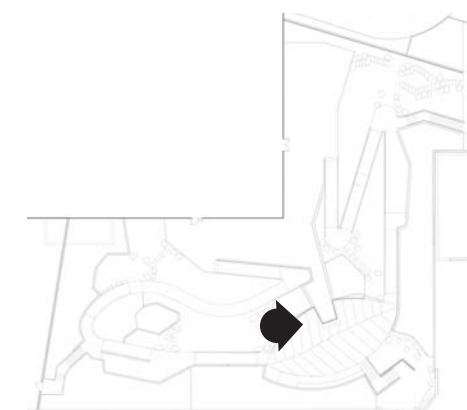
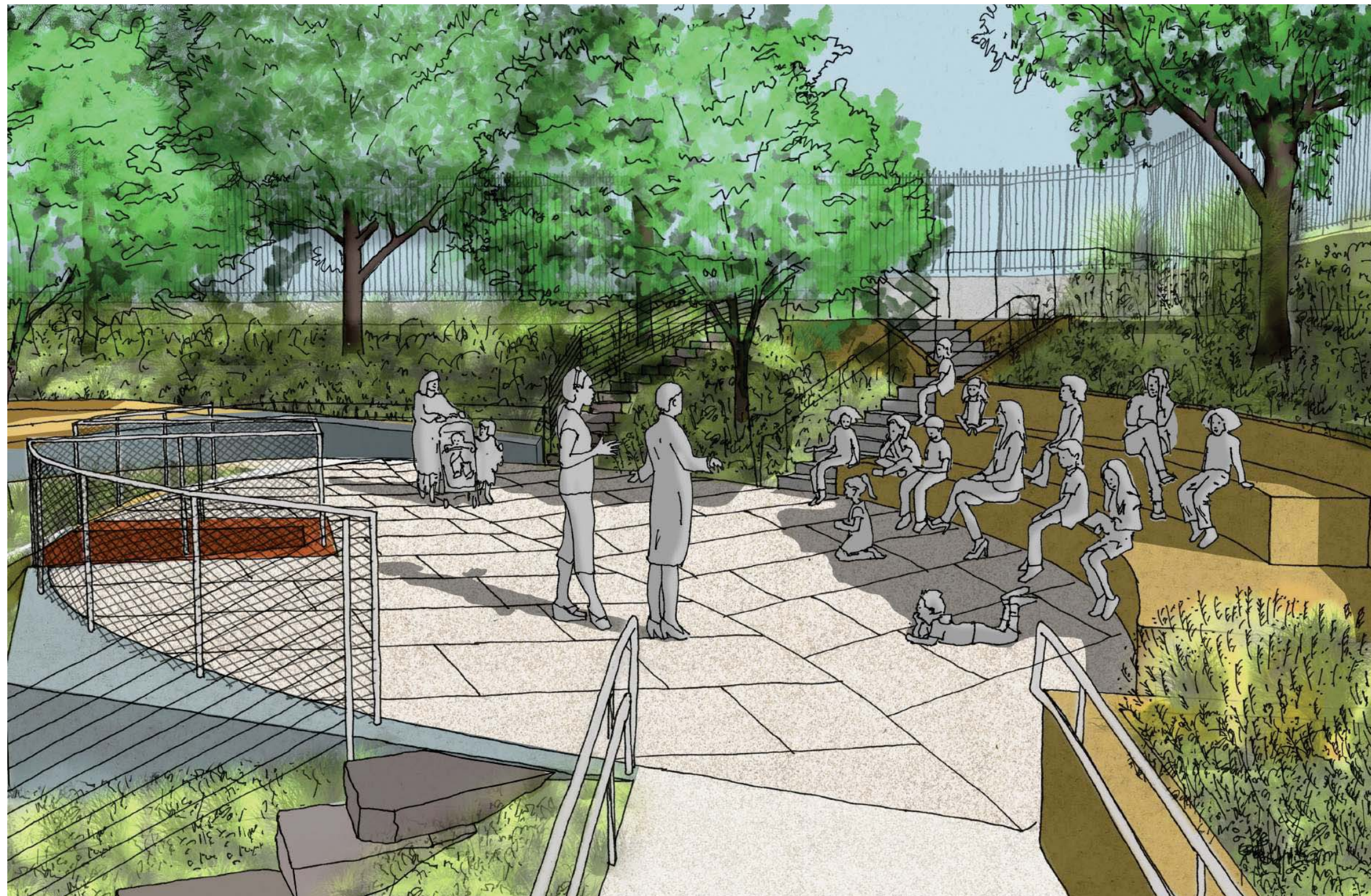


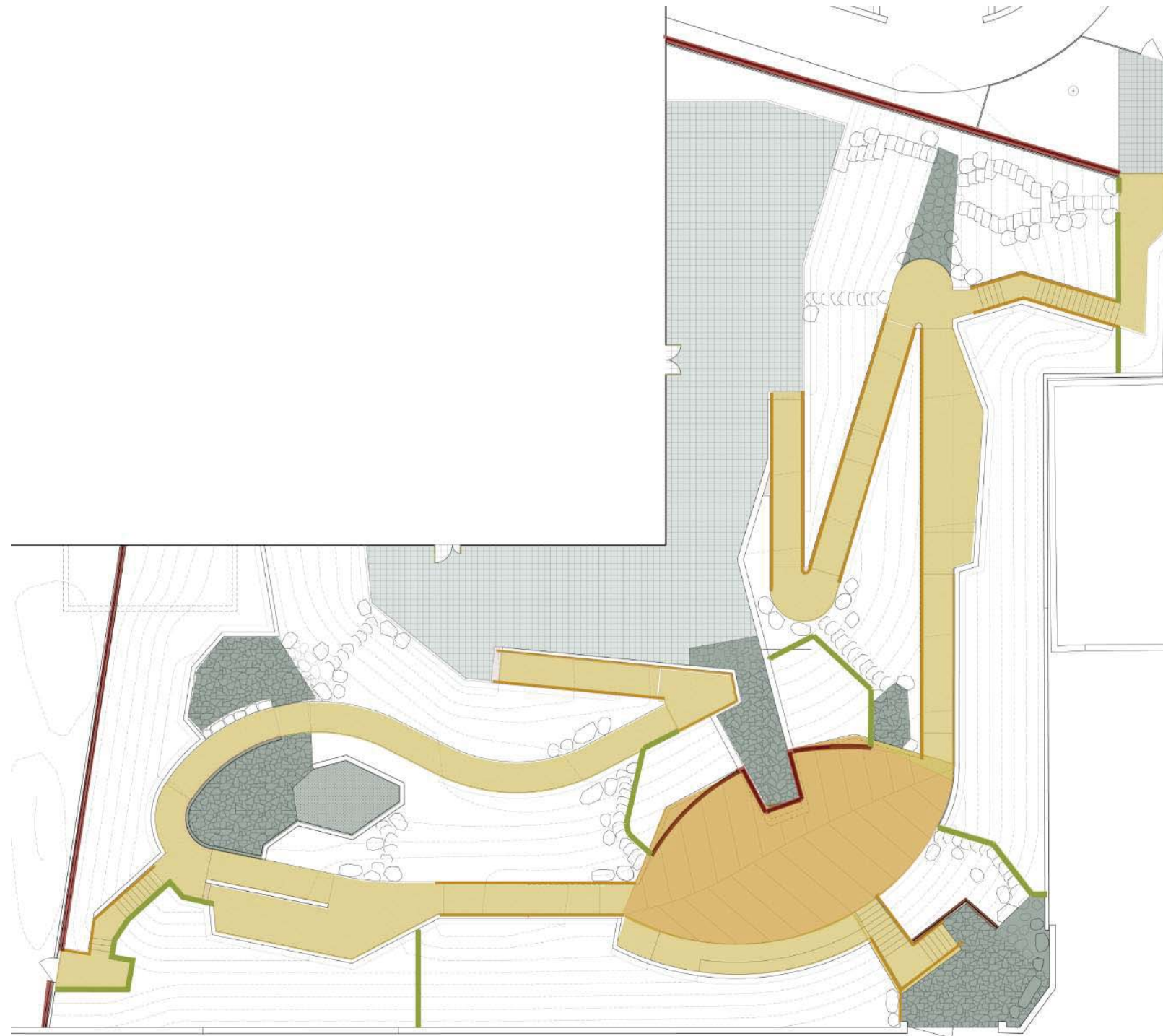












Porous Pavers
Techo Bloc Greyed Nickel



Irregular Stone Pavers



River Stone of various size



Exposed Aggregate
Concrete at Paths



Exposed Aggregate
Concrete at Overlook



Fence
Cable with Galvanized Rail

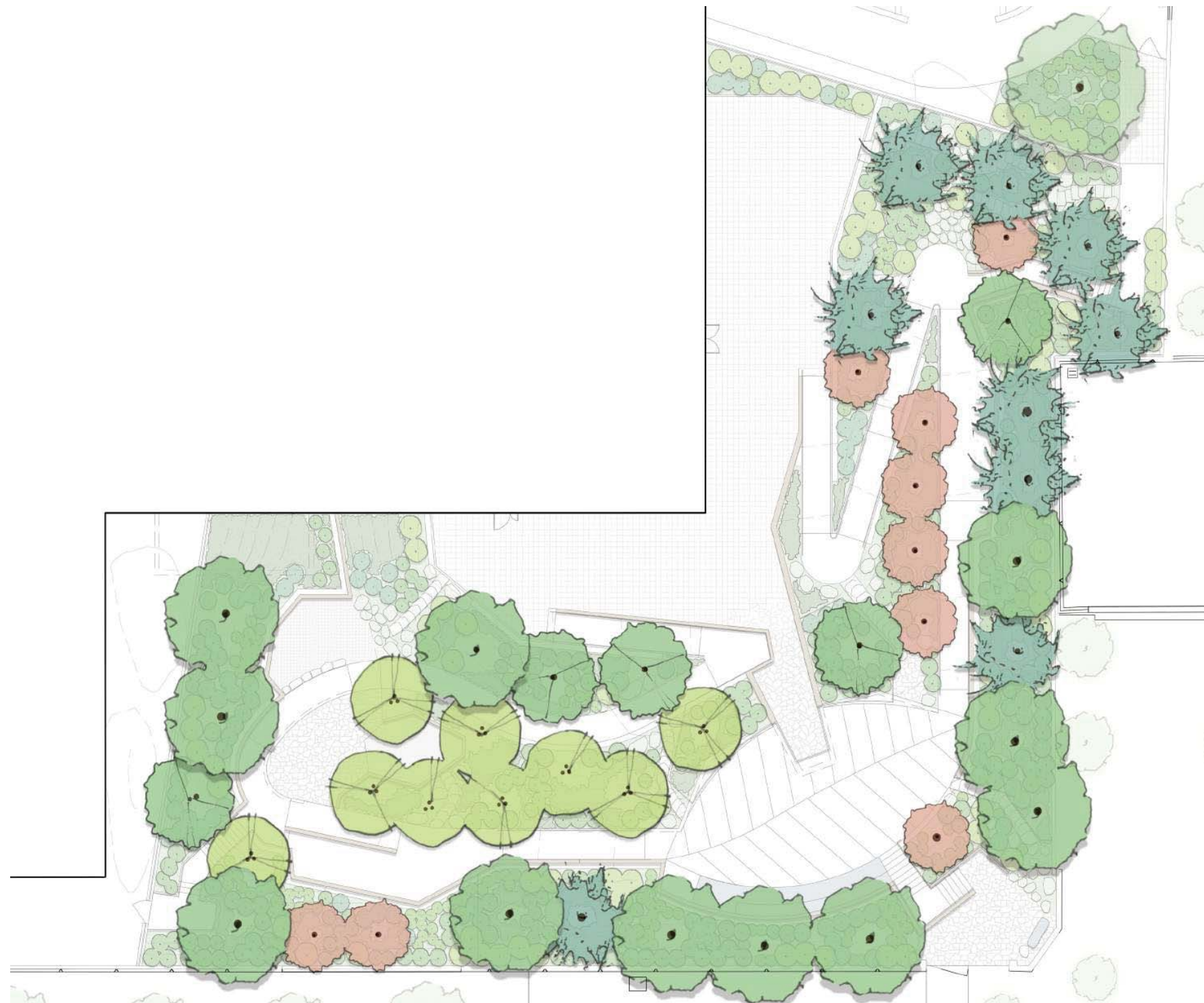


Handrail
Galvanized Steel



Guardrail Panel
Web Net with Galvanized
Rail





LEGEND

- Deciduous
- Flowering Deciduous
- Pine
- Birch
- Existing



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Proposed Canopy Planting





LEGEND

-  Large Deciduous Shrub
-  Small and Medium Deciduous Shrub
-  Evergreen Shrub
-  Groundcover



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Proposed Understory Planting



TREES



SWAMP WHITE OAK
Quercus bicolor



WILLOW OAK
Quercus phellos



NORTHERN RED OAK
Quercus rubra



PITCH PINE
Pinus rigida



EASTERN WHITE PINE
Pinus strobus



BLACK GUM
Nyssa sylvatica



HERITAGE RIVER BIRCH
Betula nigra 'Heritage'



SHADBLOW SERVICEBERRY
Amelanchier canadensis



EASTERN REDBUD
Cercis canadensis

SHRUBS



WITCH HAZEL
Hamamelis virginiana



SUMMERSWEET
Clethra alnifolia



SWEET FERN
Comptonia peregrina



RED OSIER DOGWOOD
Cornus sericea



DWARF FOTHERGILLA
Fothergilla gardenii



LOW SCAPE CHOKEBERRY
Aronia melanocarpa 'Low Scape'



COMPACT INKBERRY
Ilex glabra 'Compacta'



WINTERBERRY
Ilex verticillata



LITTLE HENRY SWEETSPIRE
Itea virginica 'Little Henry'



NORTHERN BAYBERRY
Myrica pensylvanica



DWARF NINEBARK
Physiocarpus opulifolius 'Nana'



LOWBUSH BLUEBERRY
Vaccinium angustifolium

GROUNDCOVERS, GRASSES, AND PERENNIALS



PENNSYLVANIA SEDGE
Carex pensylvanica



CHRISTMAS FERN
Polystichum acrostichoides



ALLEGHENY PACHYSANDRA
Pachysandra procumbens



GRO-LOW AROMATIC SUMAC
Rhus aromatica 'Gro-Low'



TUFTED HAIRGRASS
Deschampsia cespitosa



LITTLE BLUESTEM
Schizachyrium scoparium



SWITCHGRASS
Panicum virgatum



NEW YORK ASTER
Aster novi-belgii



BUTTERFLY MILKWEED
Asclepias tuberosa



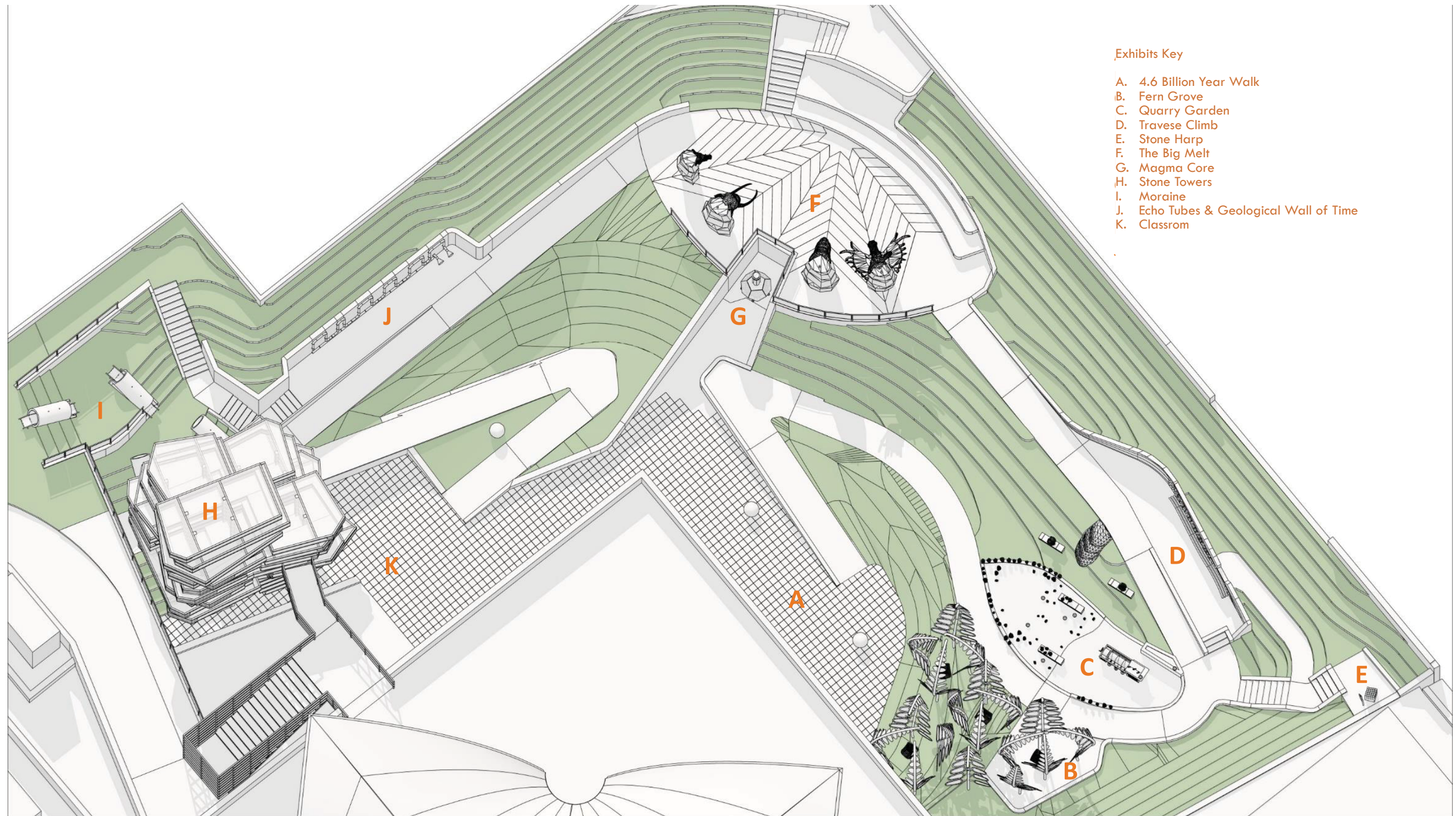
BLUE FLAG IRIS
Iris versicolor



SCARLET BEEBALM
Monarda didyma



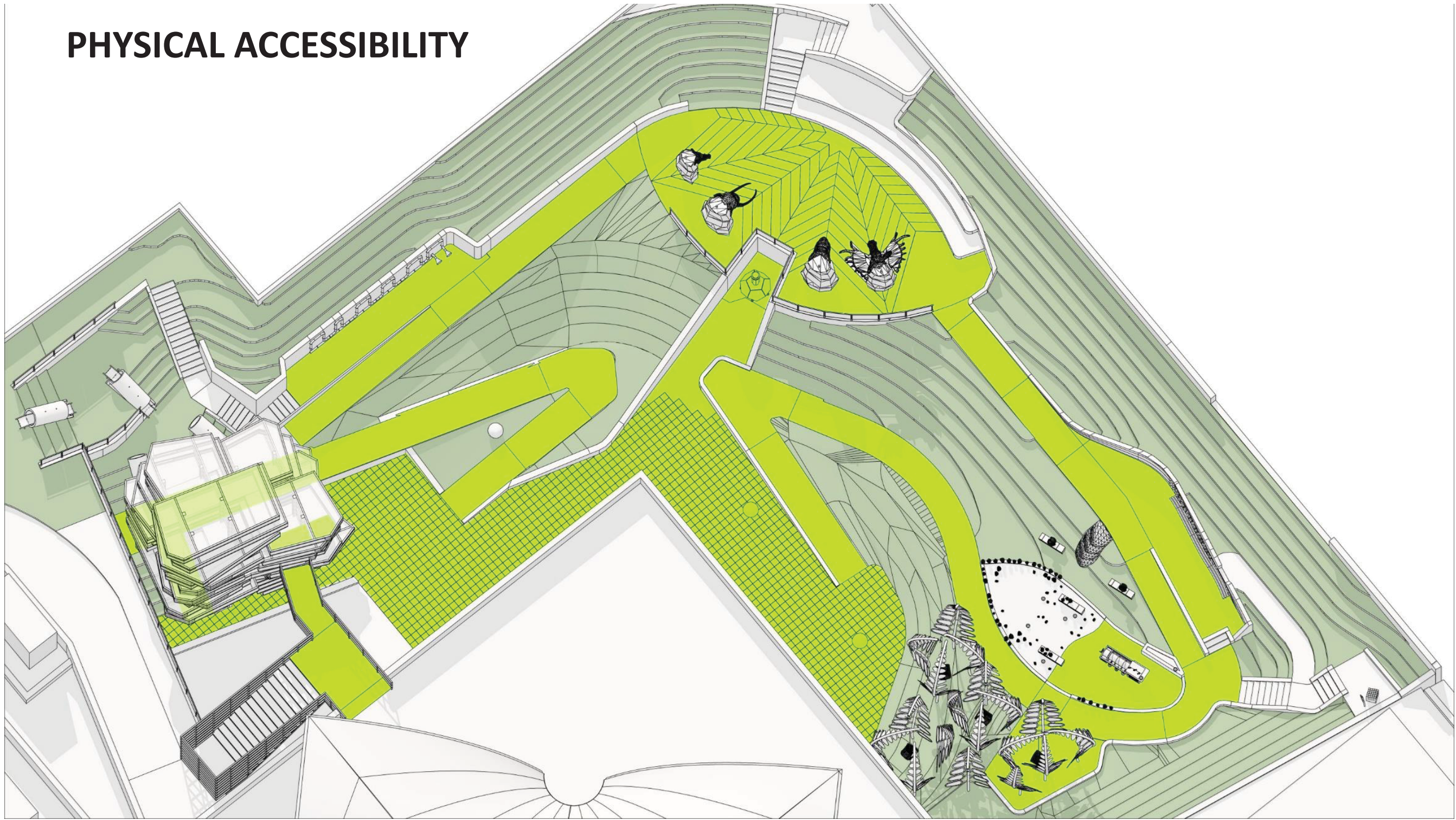
BLACK-EYED SUSAN
Rudbeckia hirta



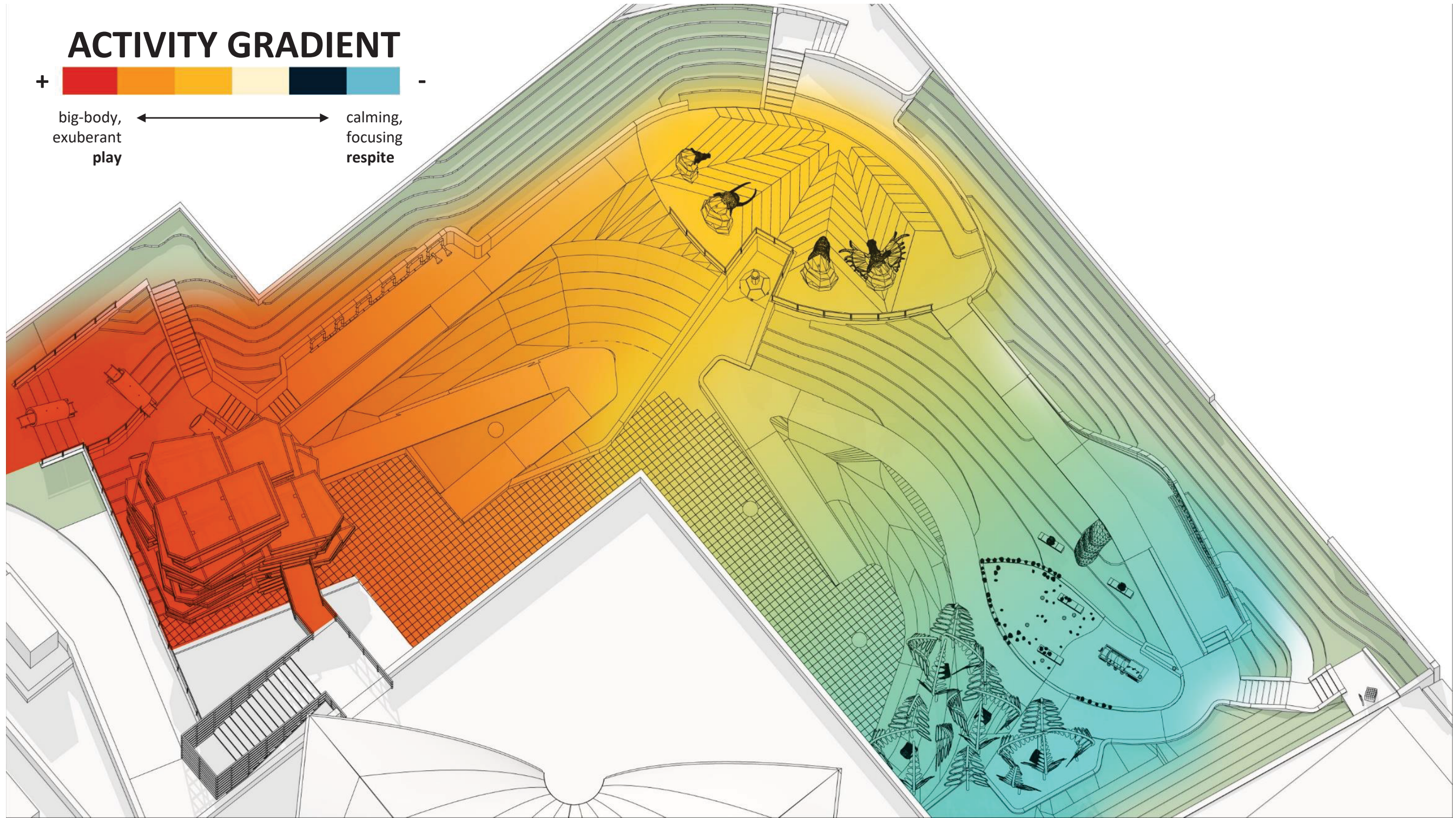
Exhibits Key

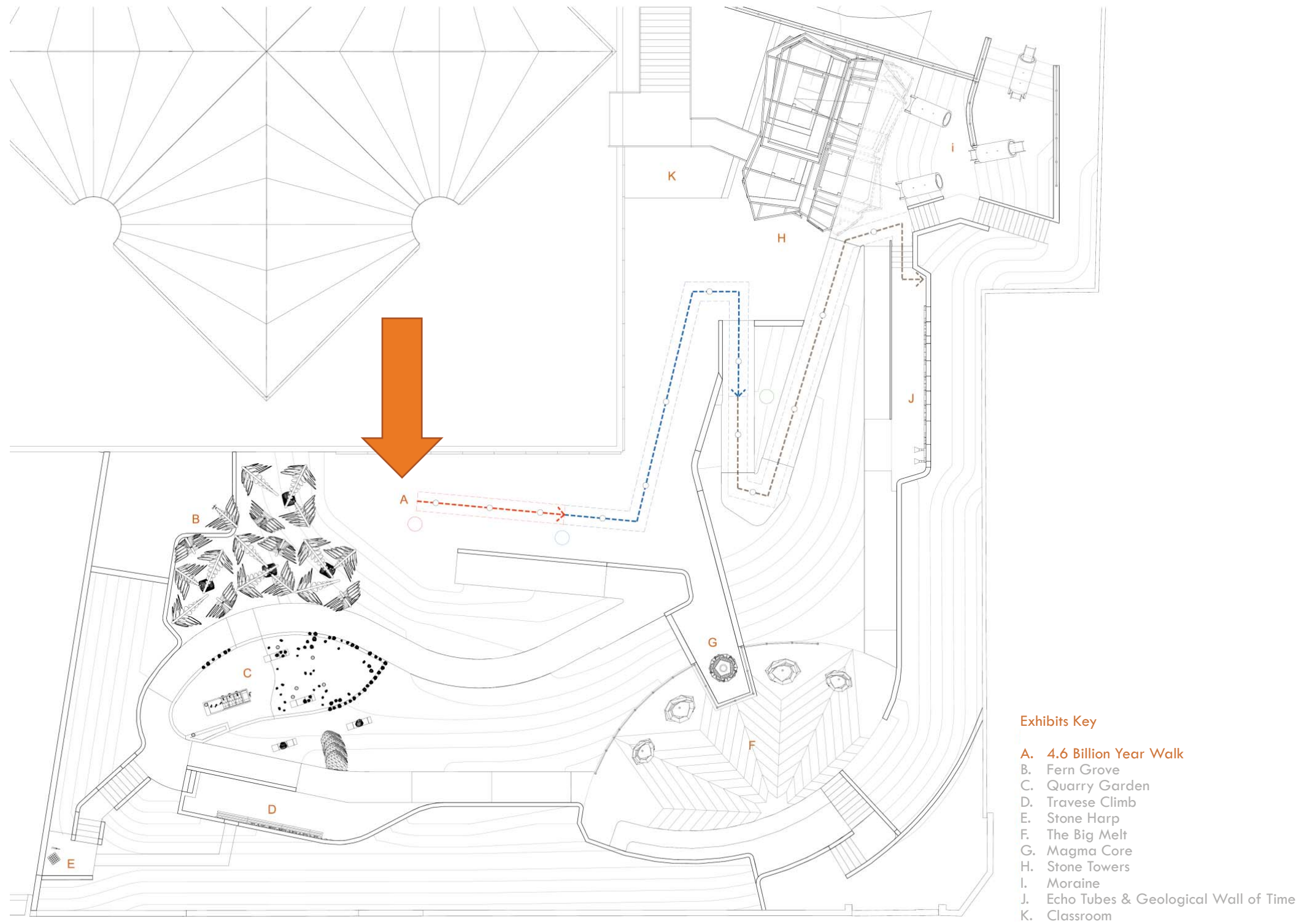
- A. 4.6 Billion Year Walk
- B. Fern Grove
- C. Quarry Garden
- D. Travesse Climb
- E. Stone Harp
- F. The Big Melt
- G. Magma Core
- H. Stone Towers
- I. Moraine
- J. Echo Tubes & Geological Wall of Time
- K. Classroom

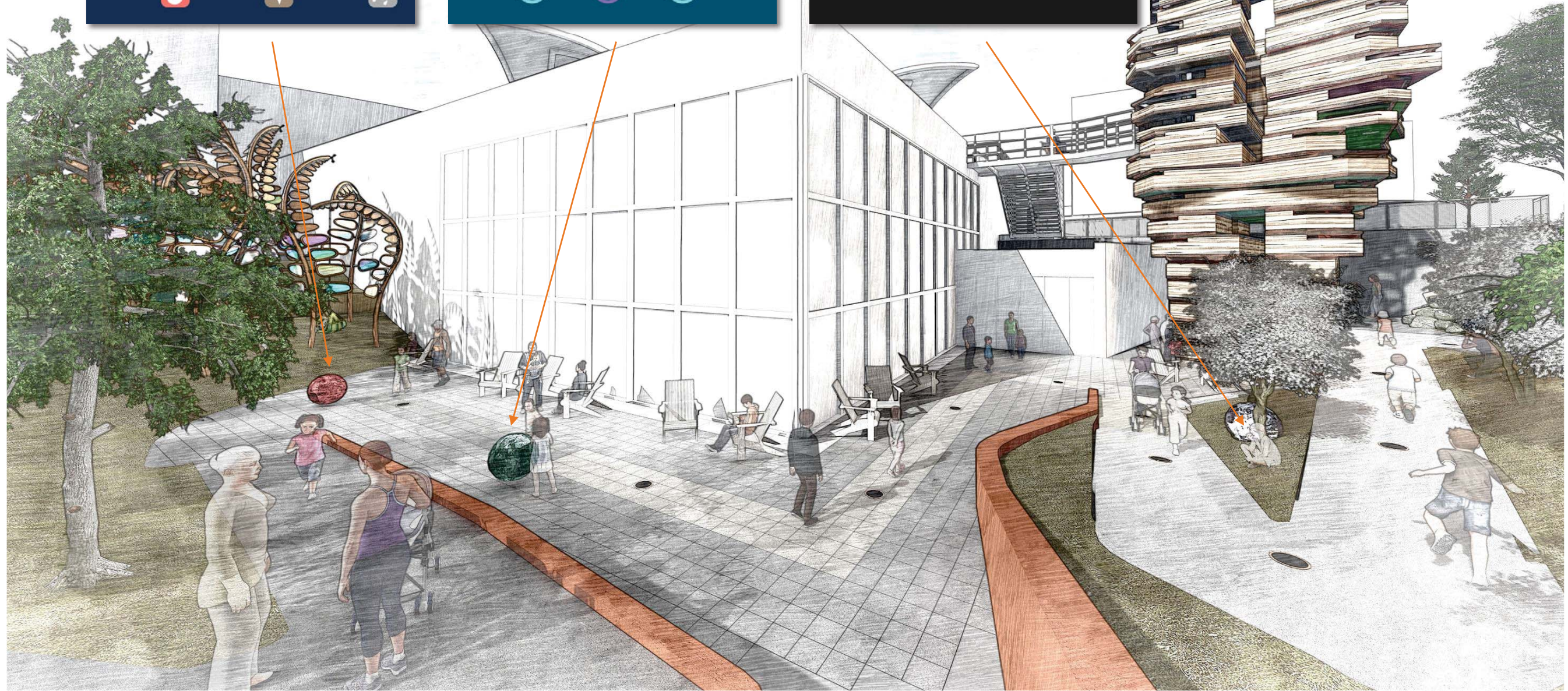
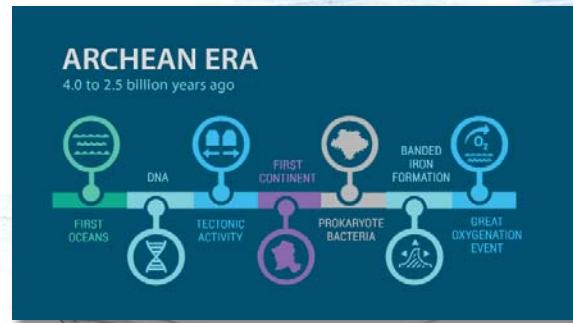
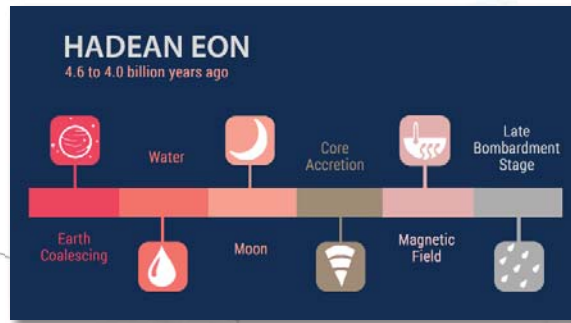
PHYSICAL ACCESSIBILITY



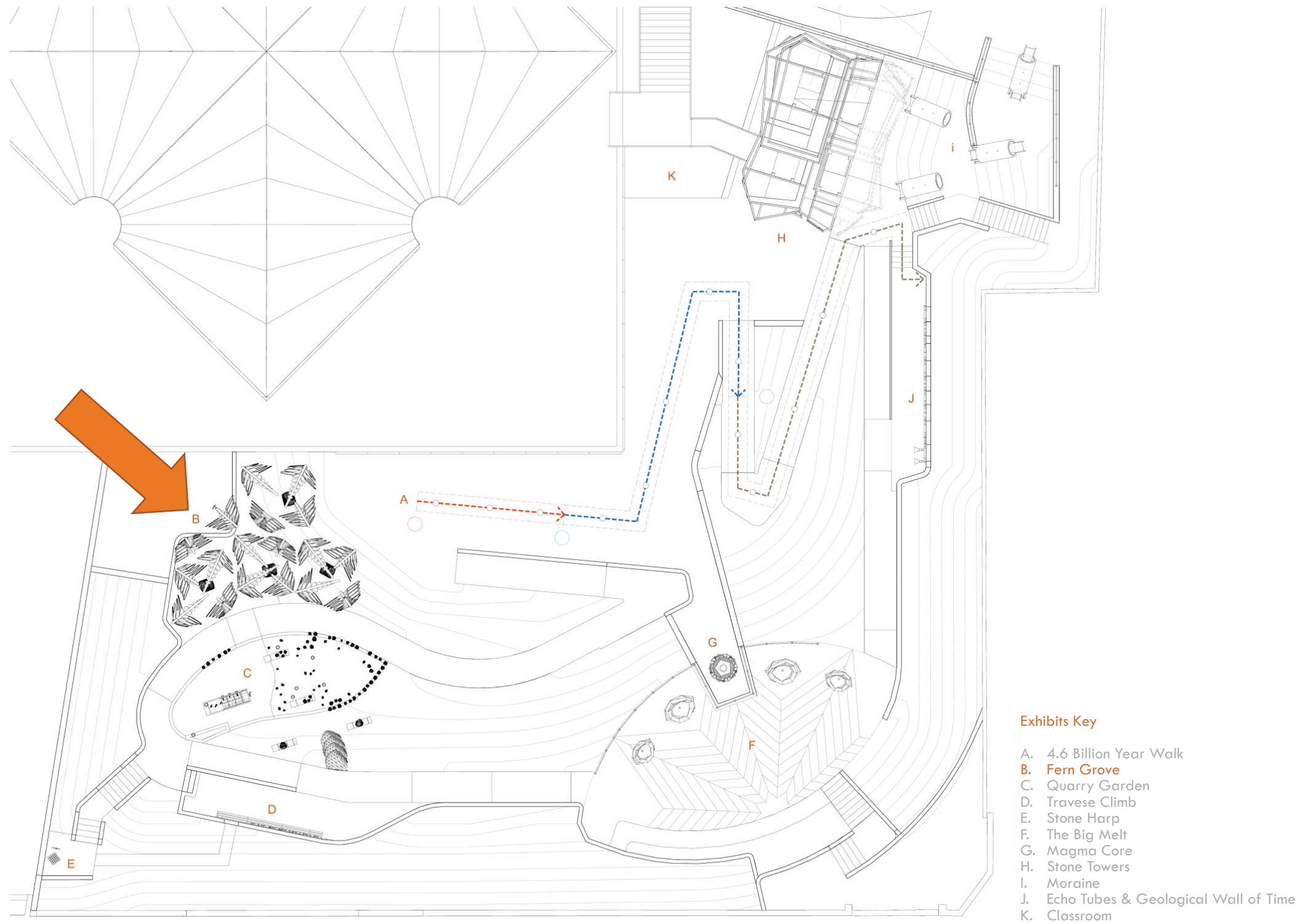
ACTIVITY GRADIENT







Billions of Years Ago





Fern Grove

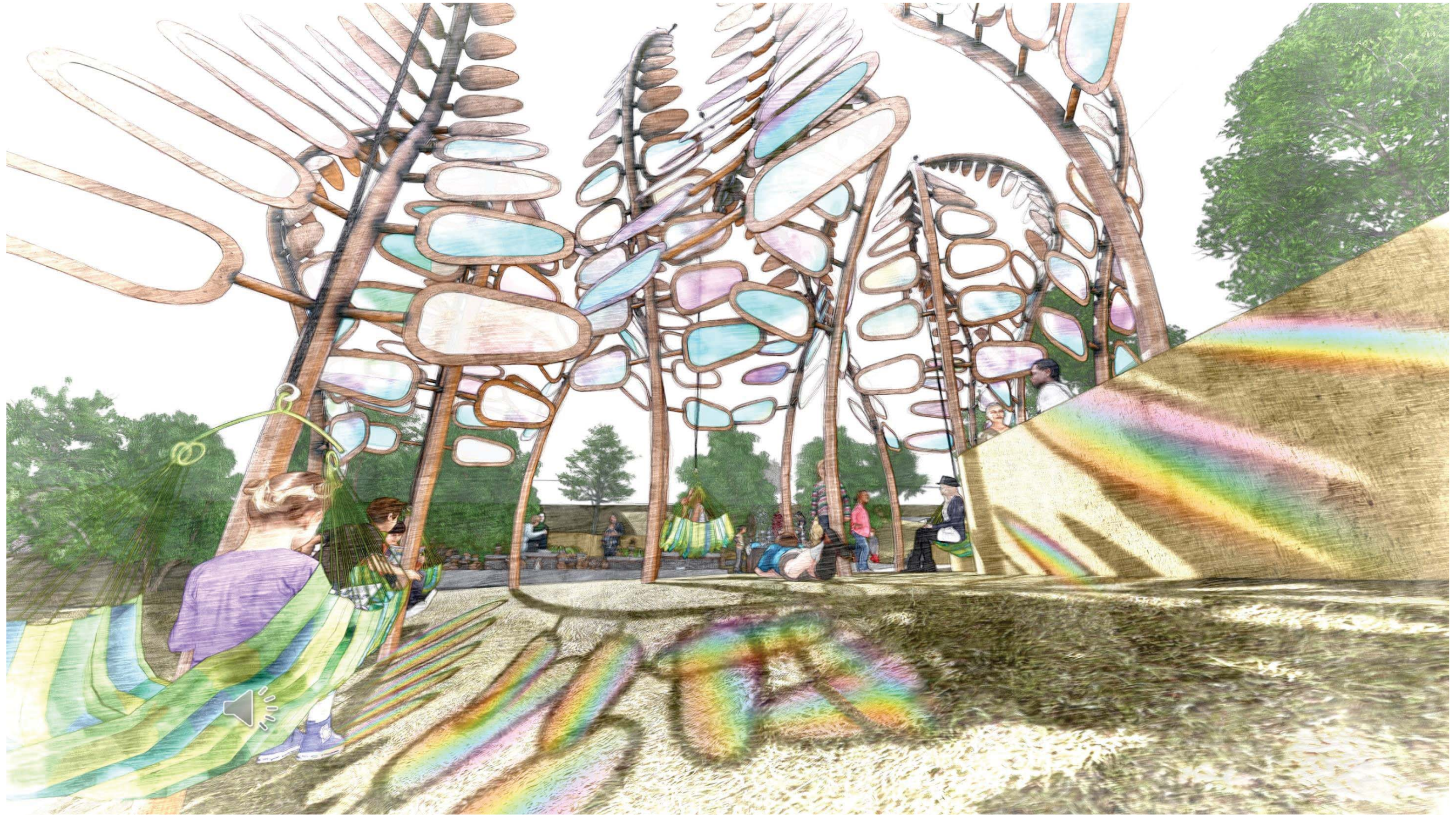


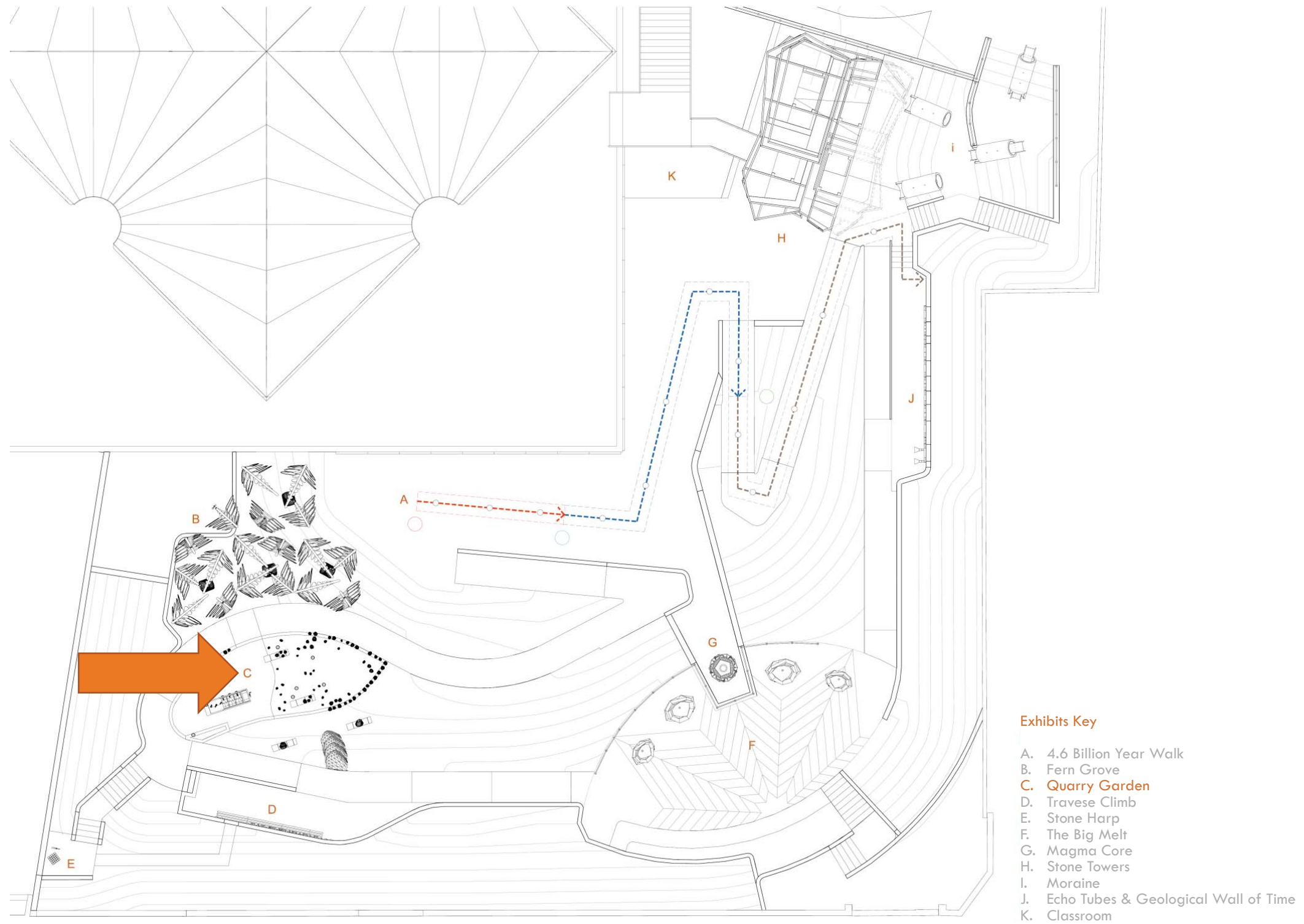
☐ ar Grove

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Brooklyn Children's Museum
Earth Science Garden
Conceptual Review Submission
March 22, 2021

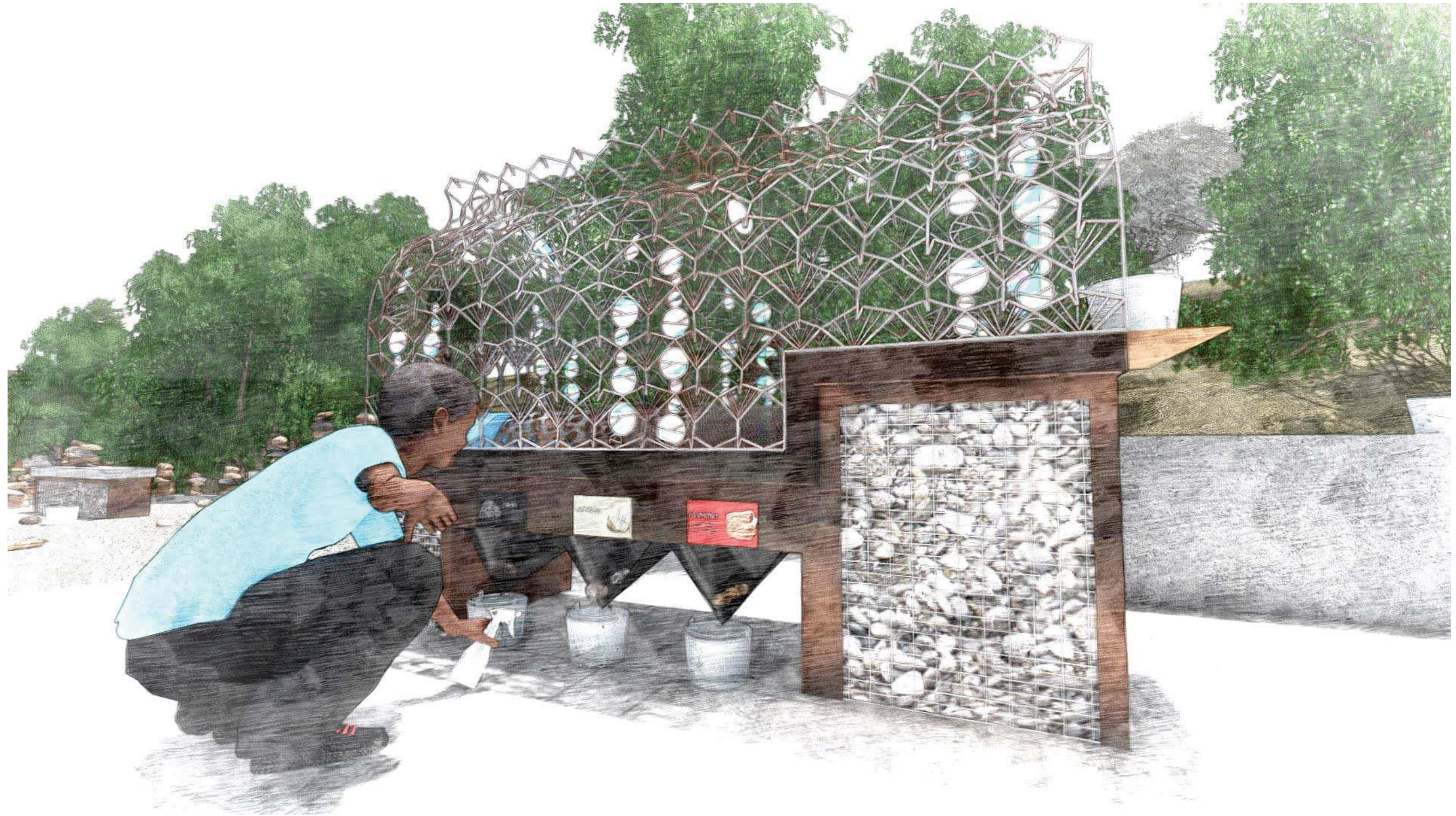






□arry Garden



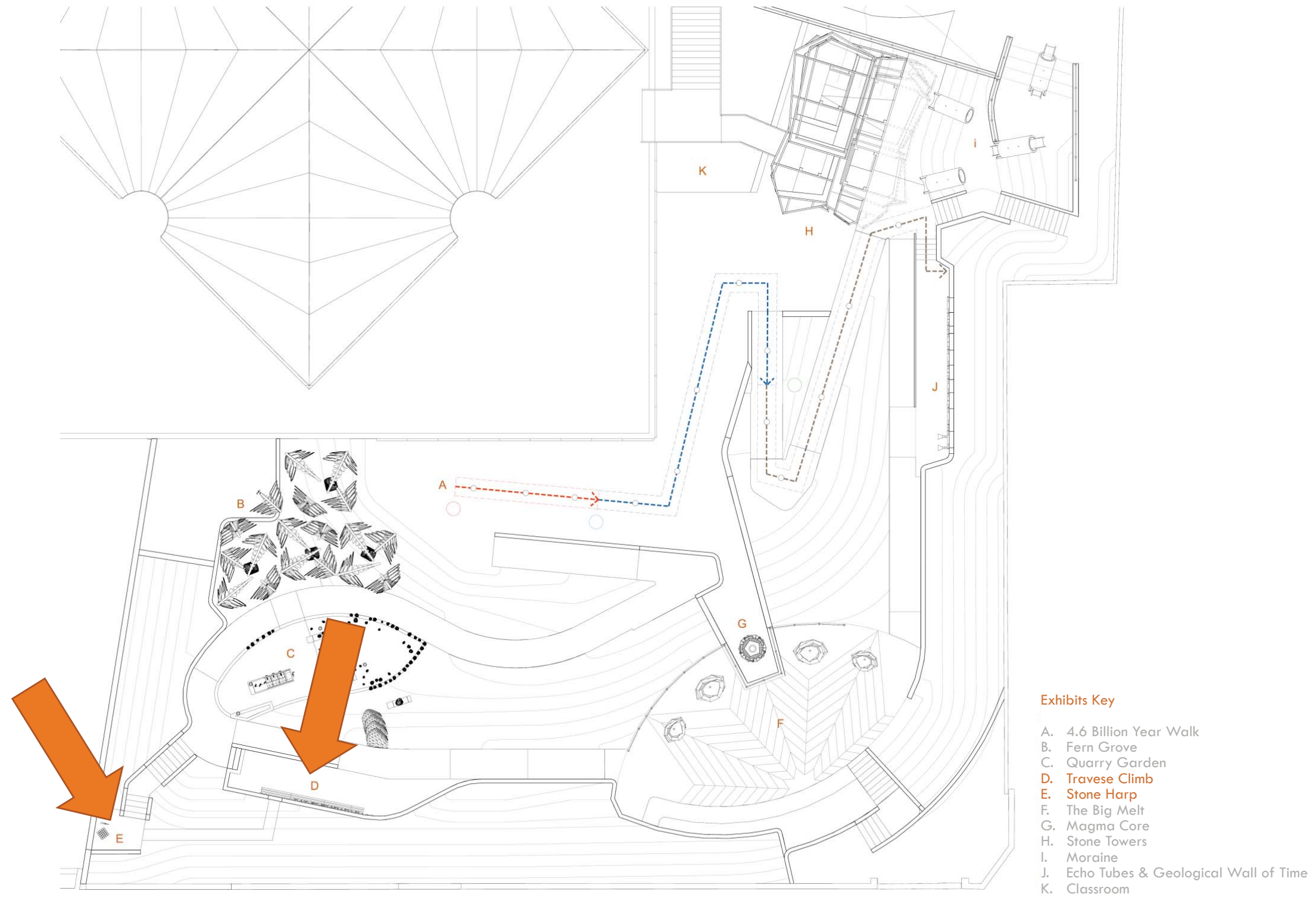


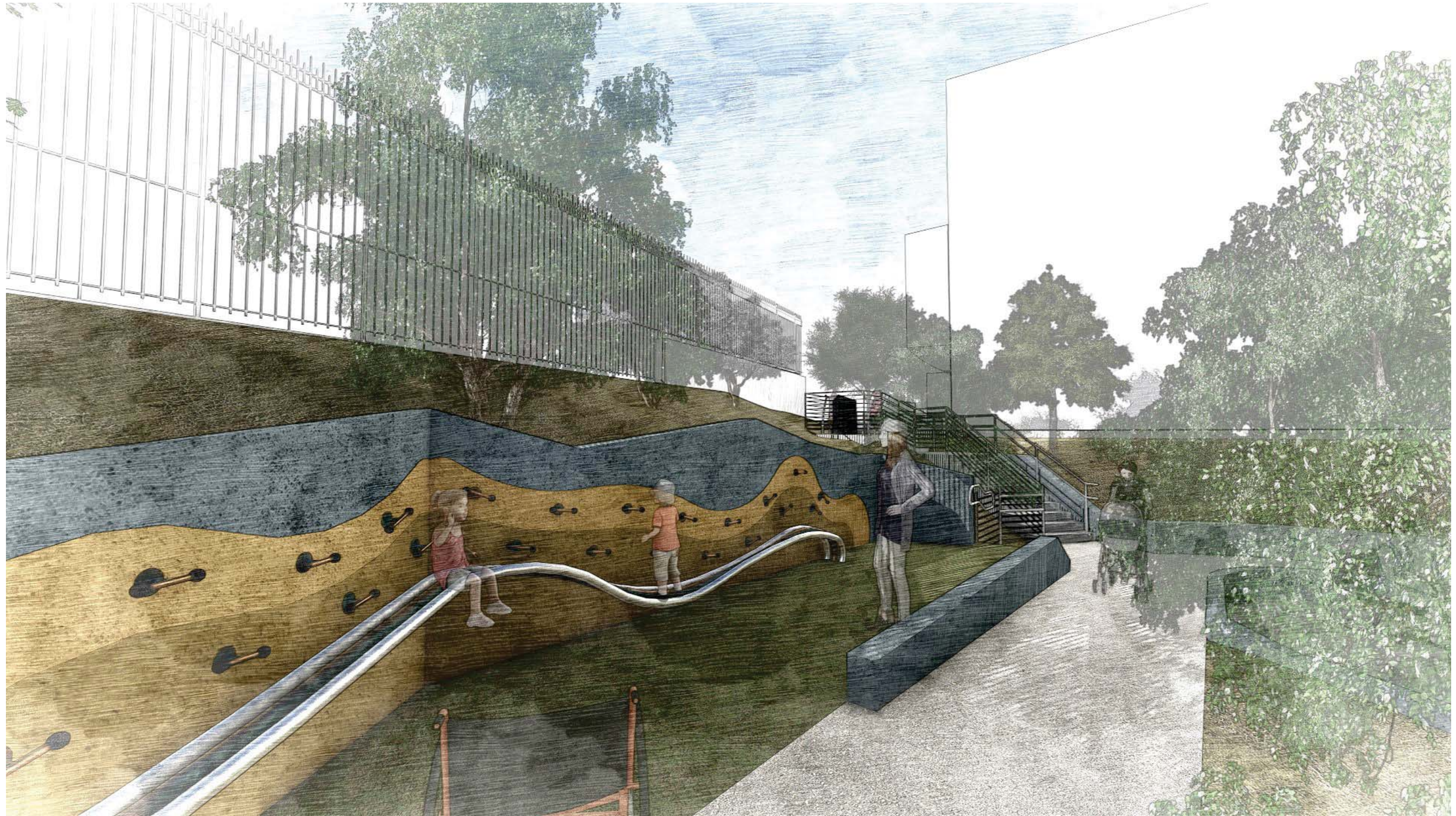
□arry Garden

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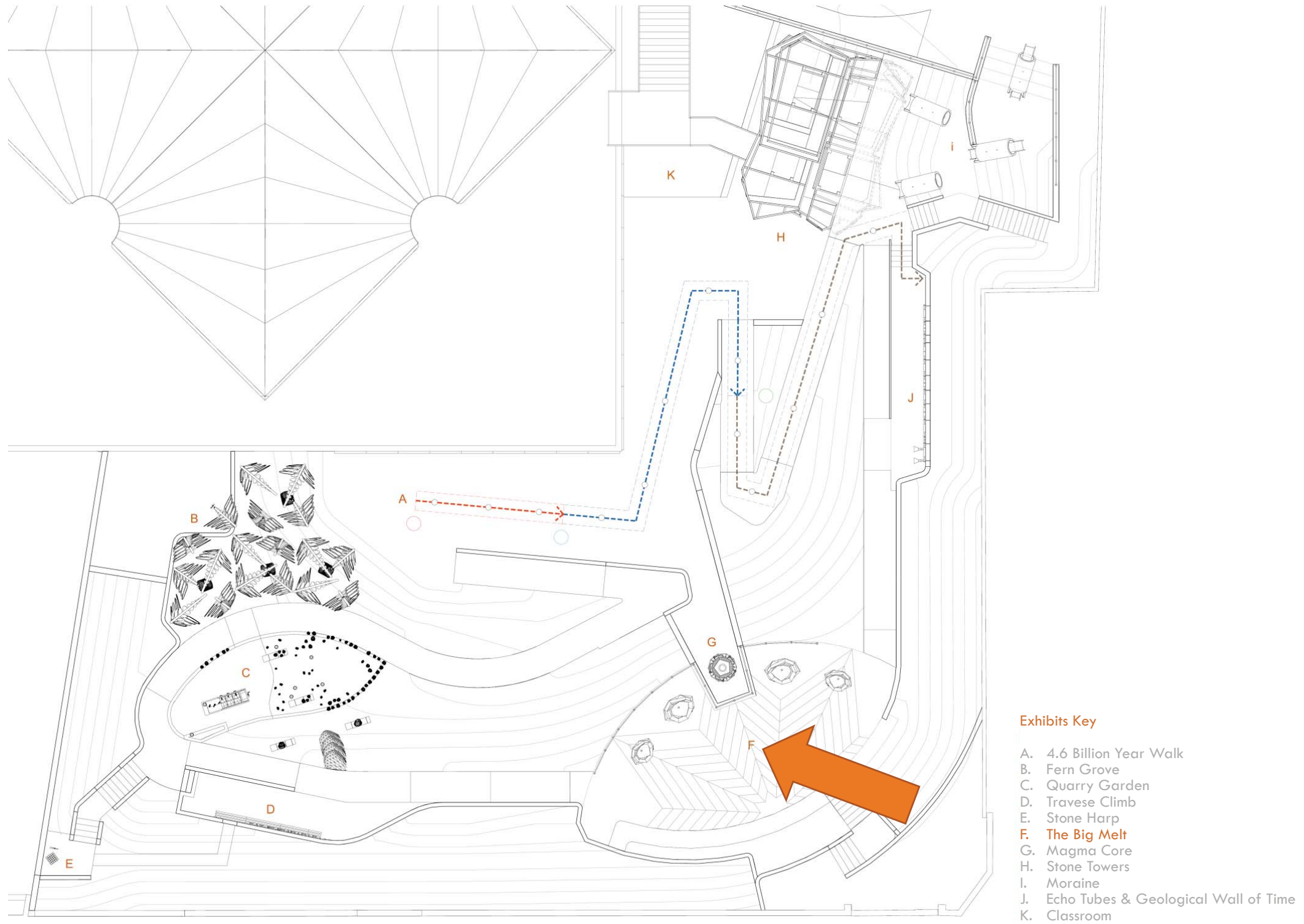




Reverse Climb



Stone  arp





CERVALCES SCOTTI



MEGATHERIUM

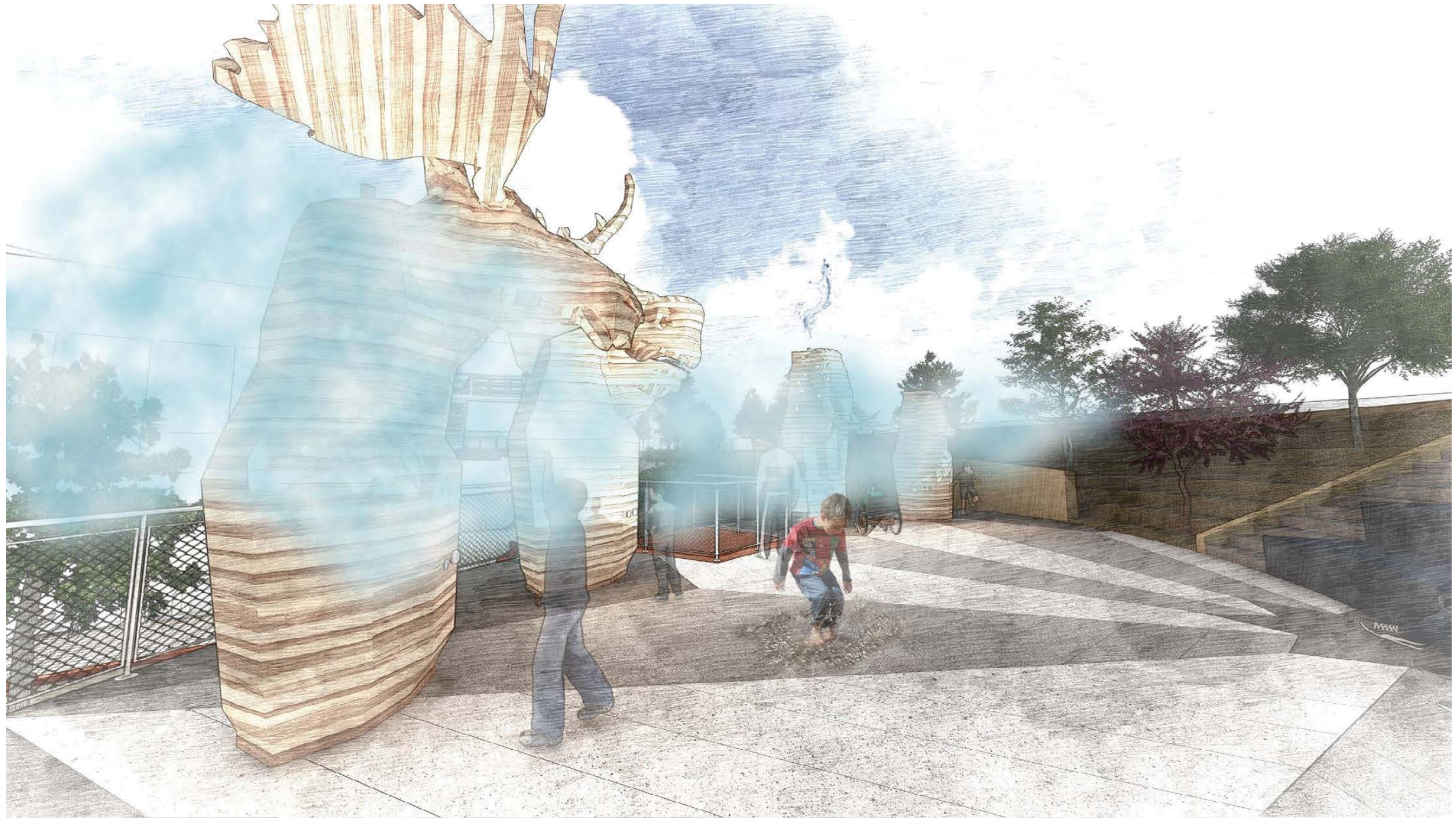


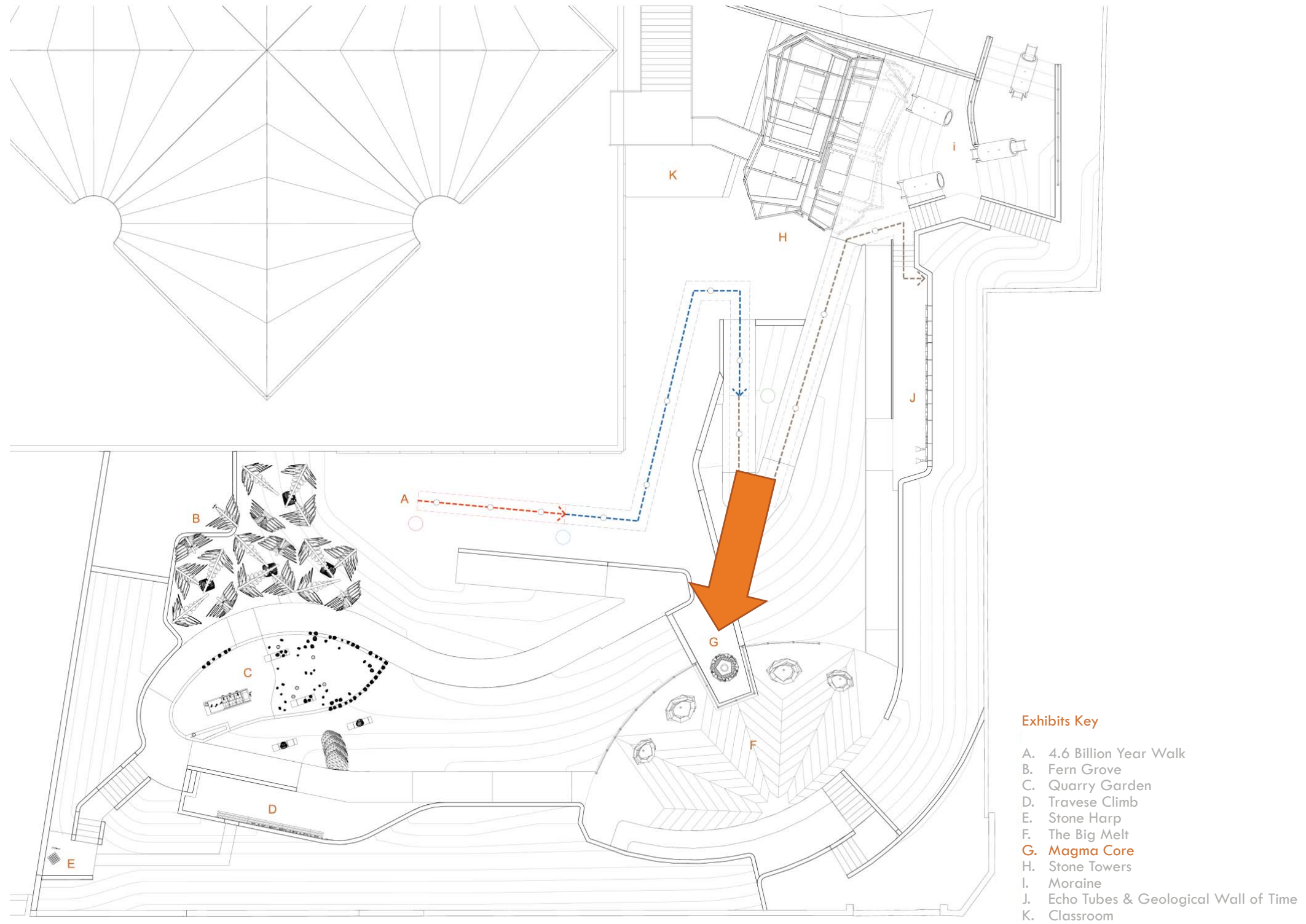
MAMMUTHUS PRIMIGENIUS



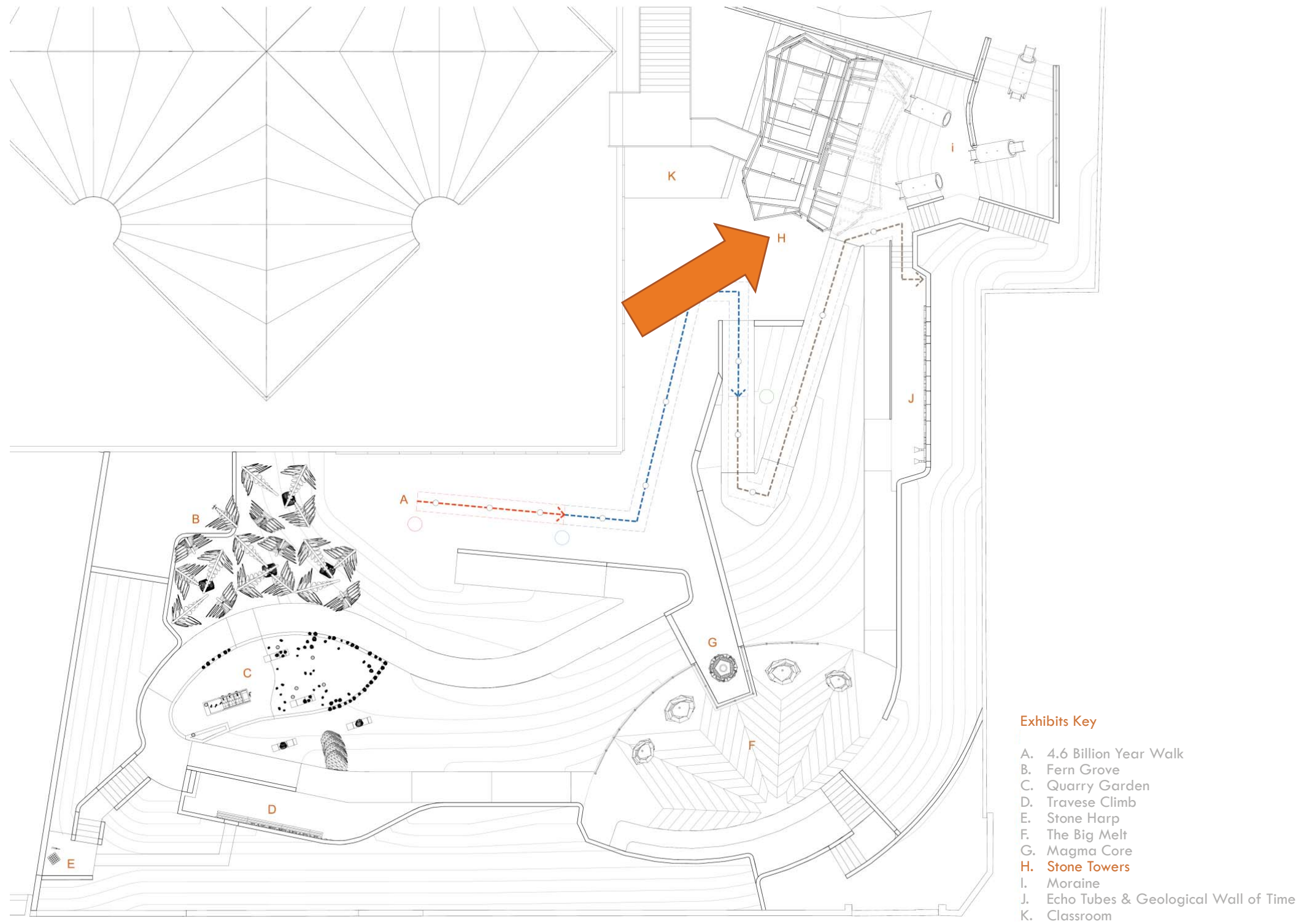
PLATYGONUS COMPRESSUS

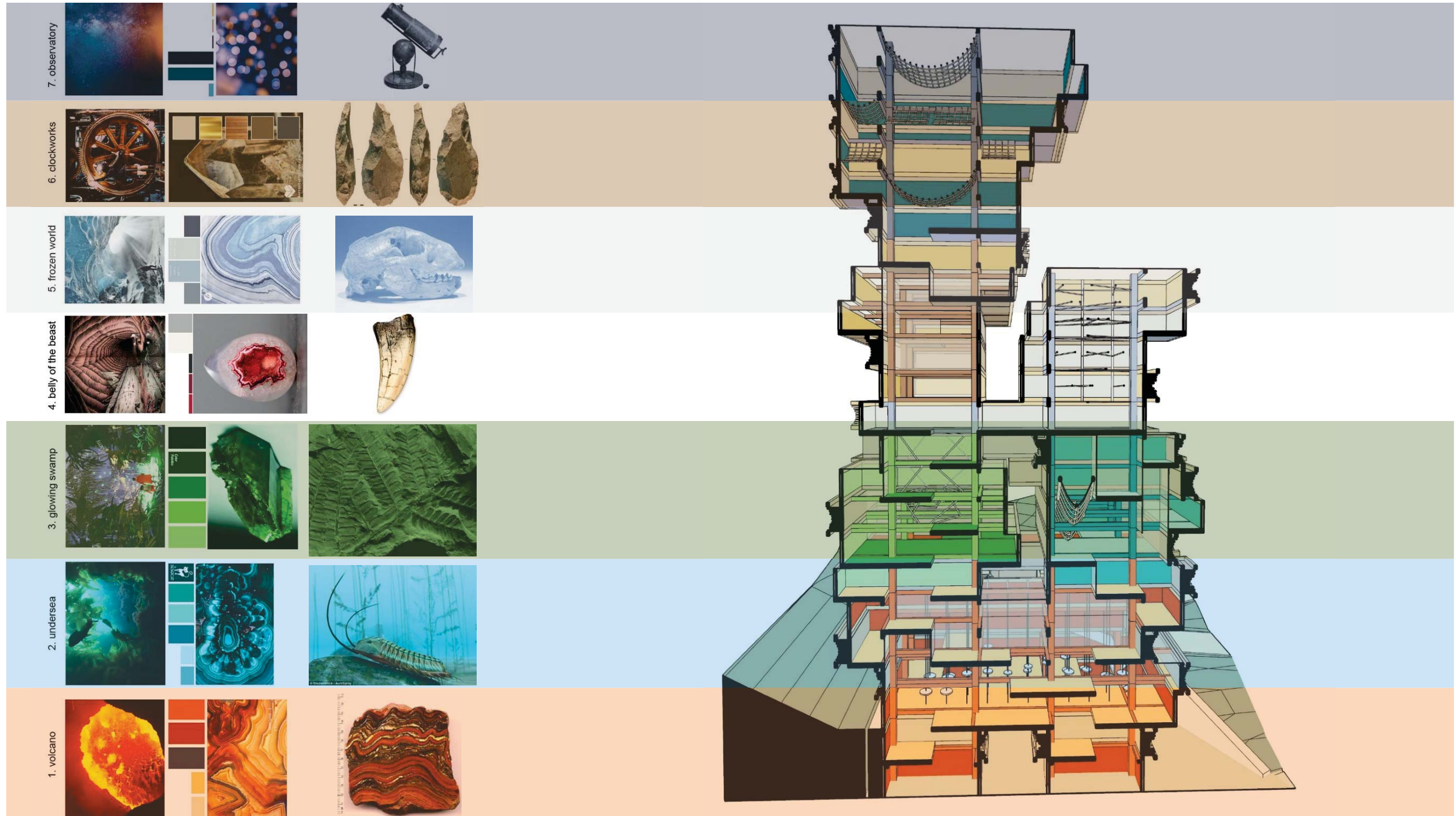






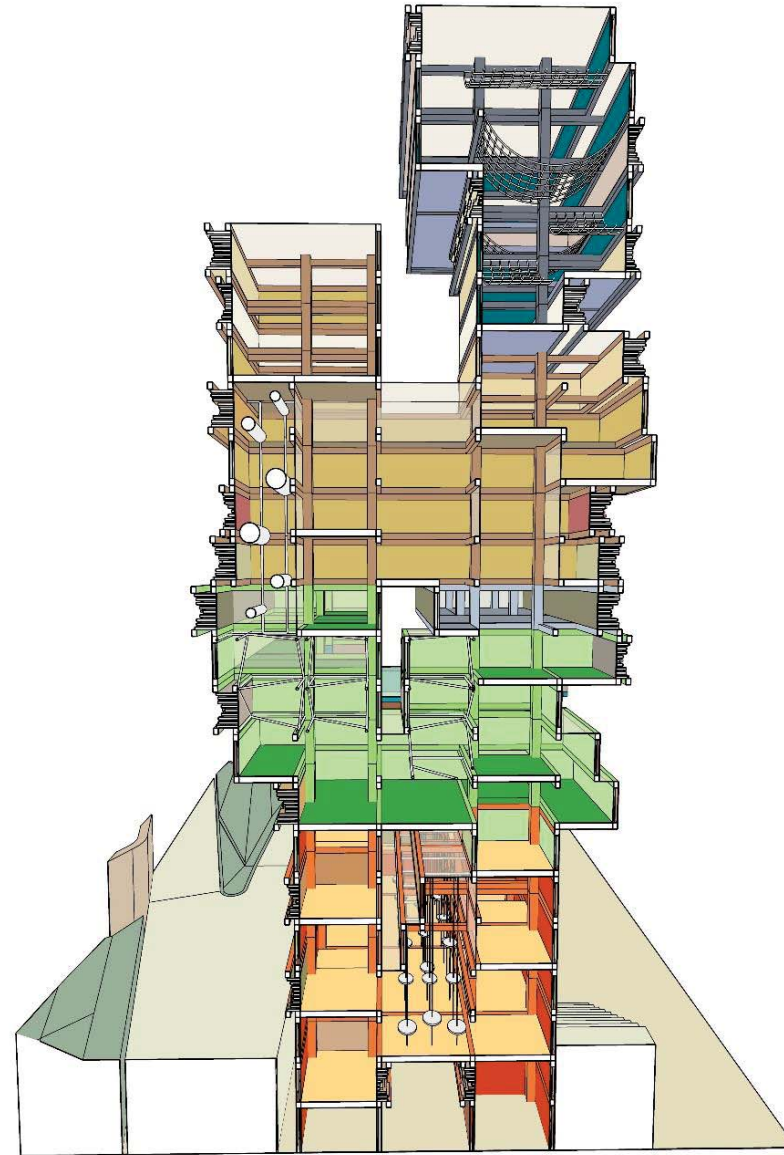






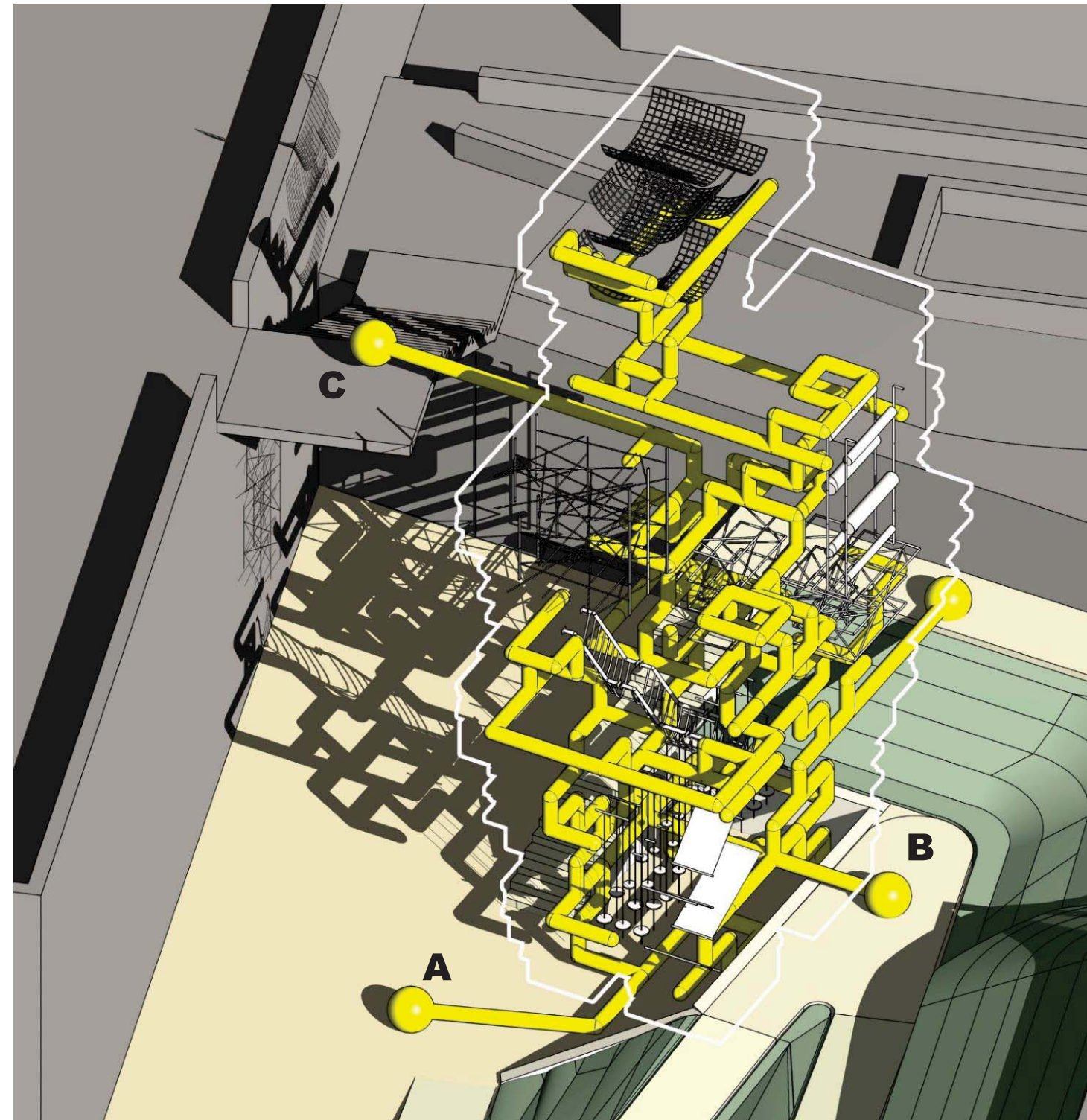


INSIDE

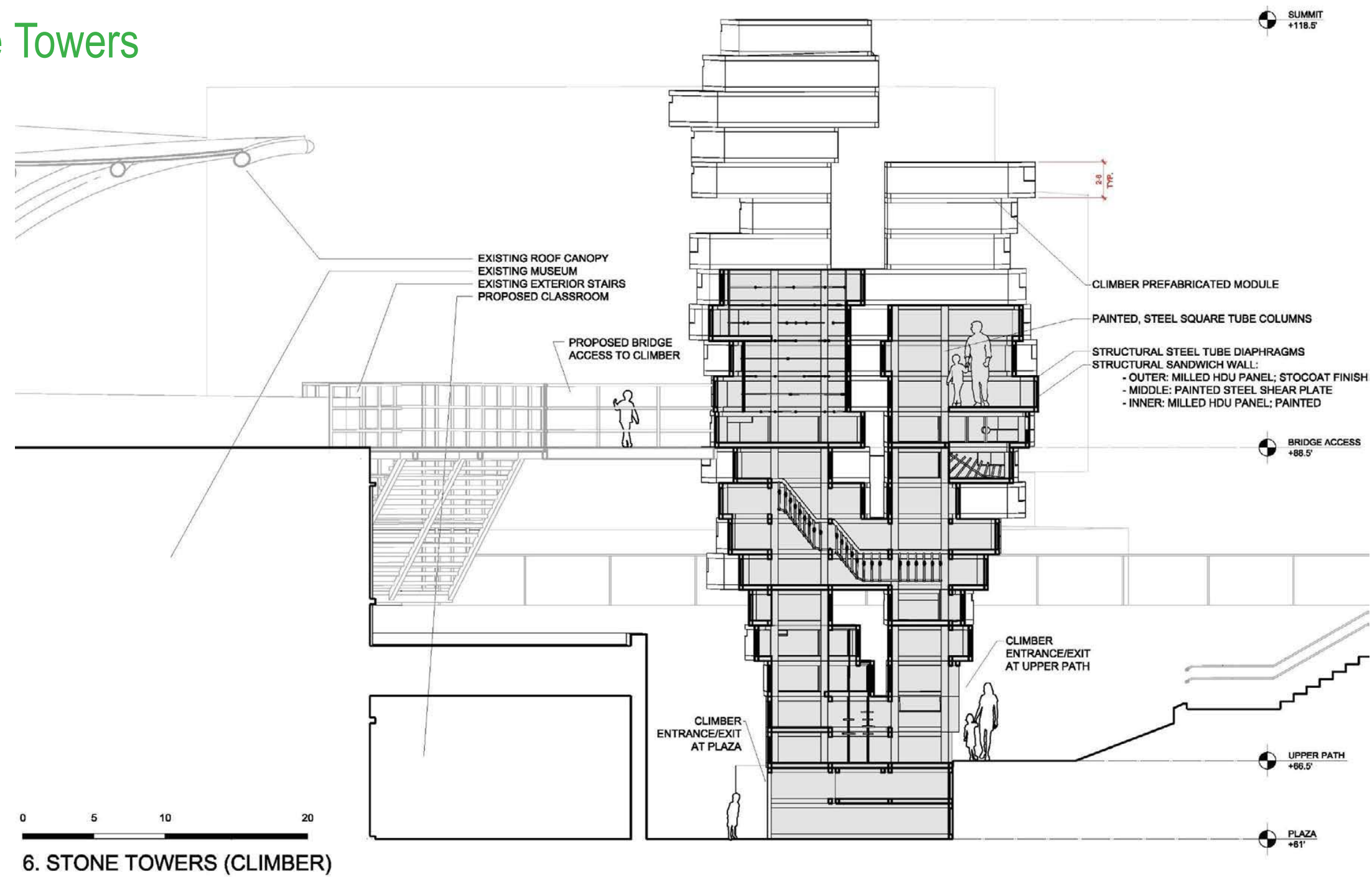


OUTSIDE

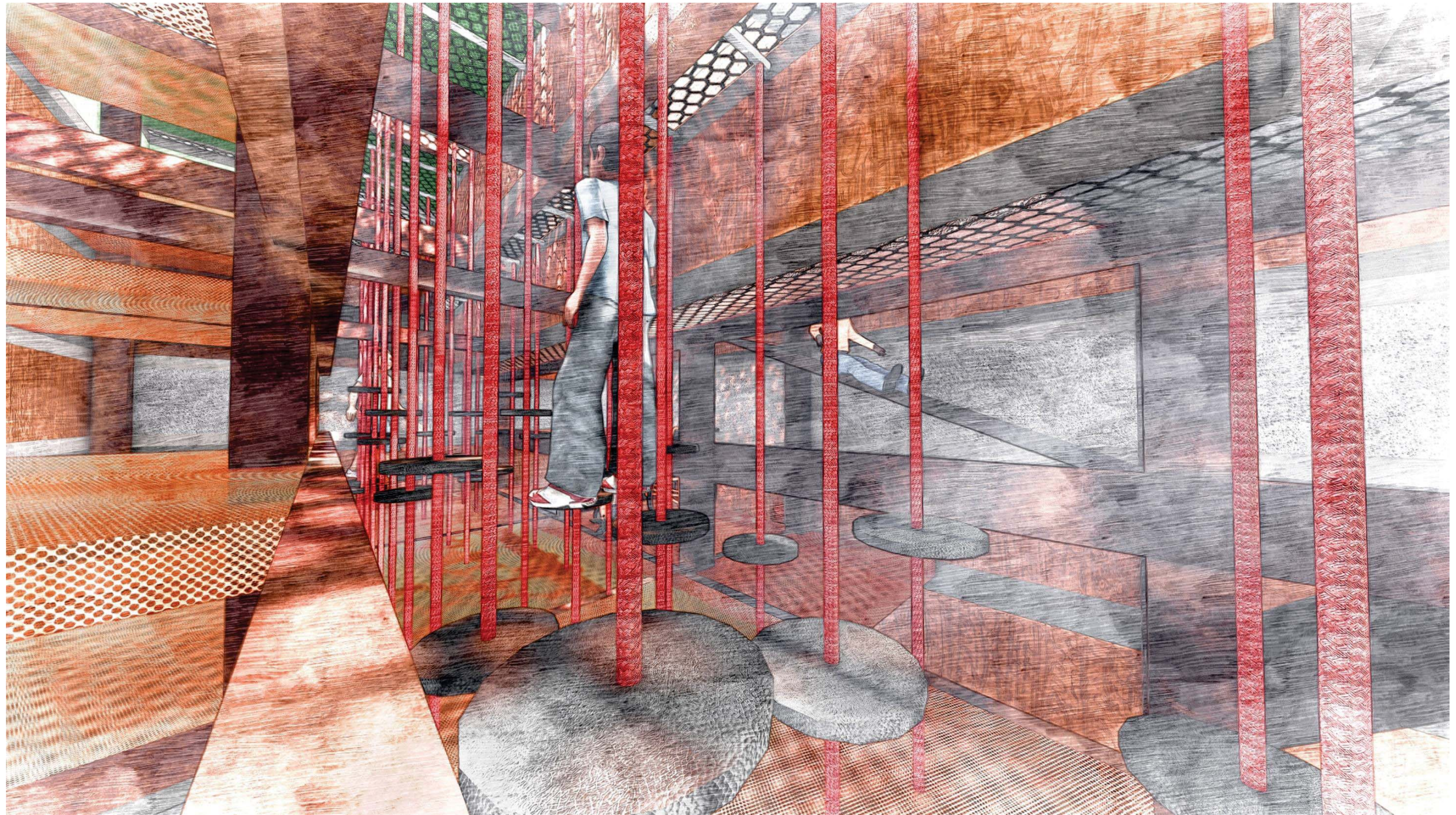




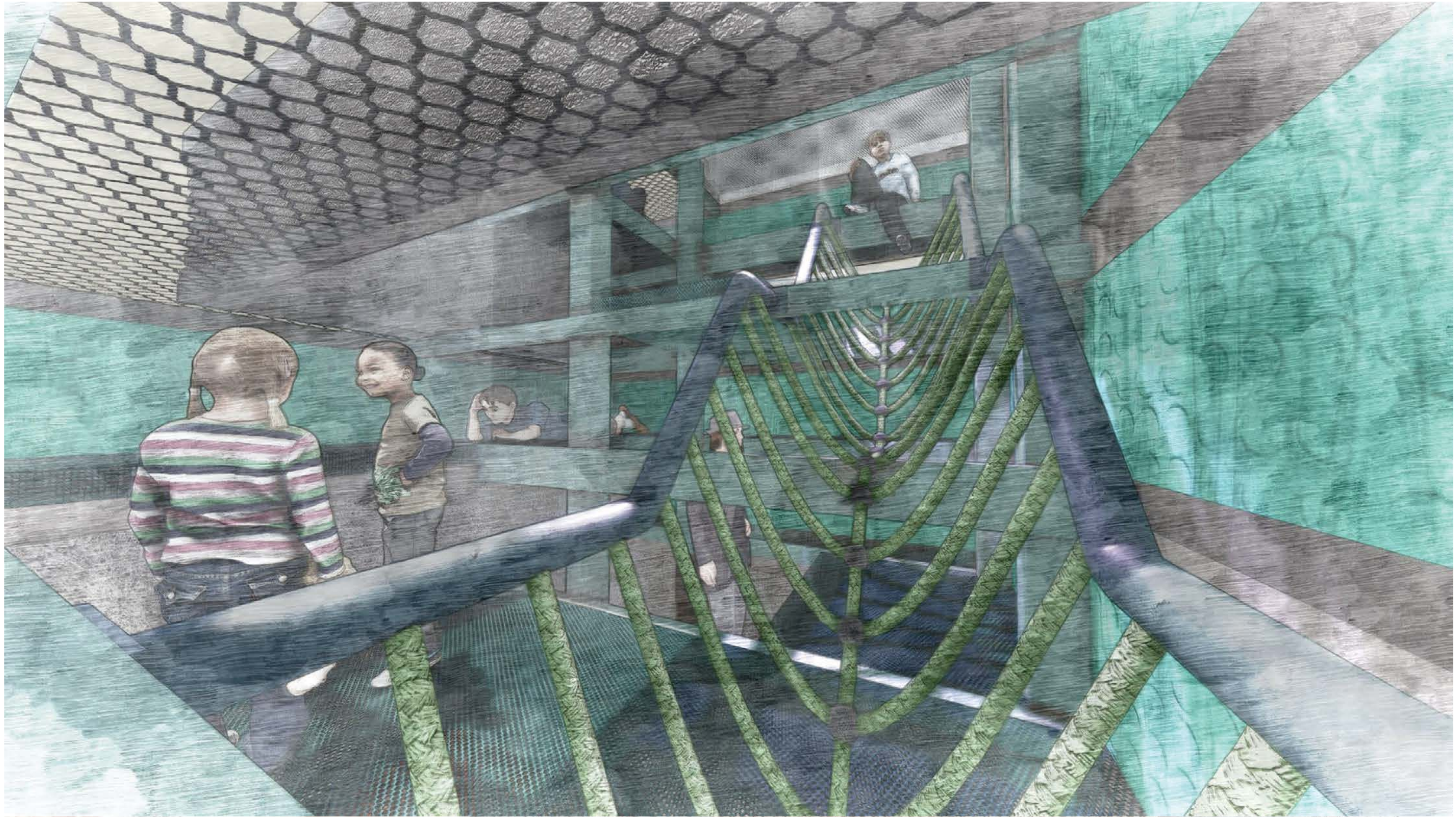
Stone Towers



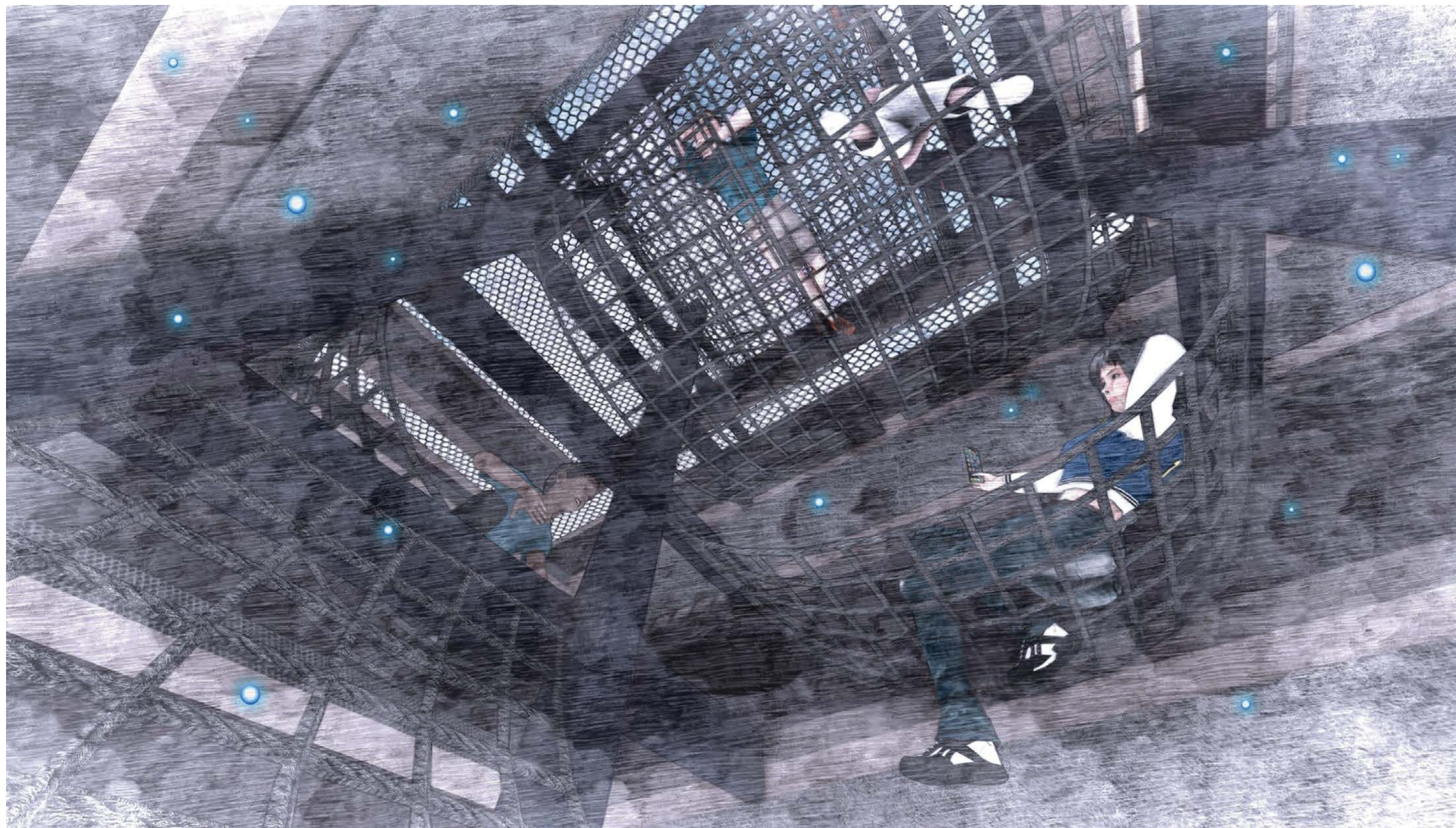
6. STONE TOWERS (CLIMBER)

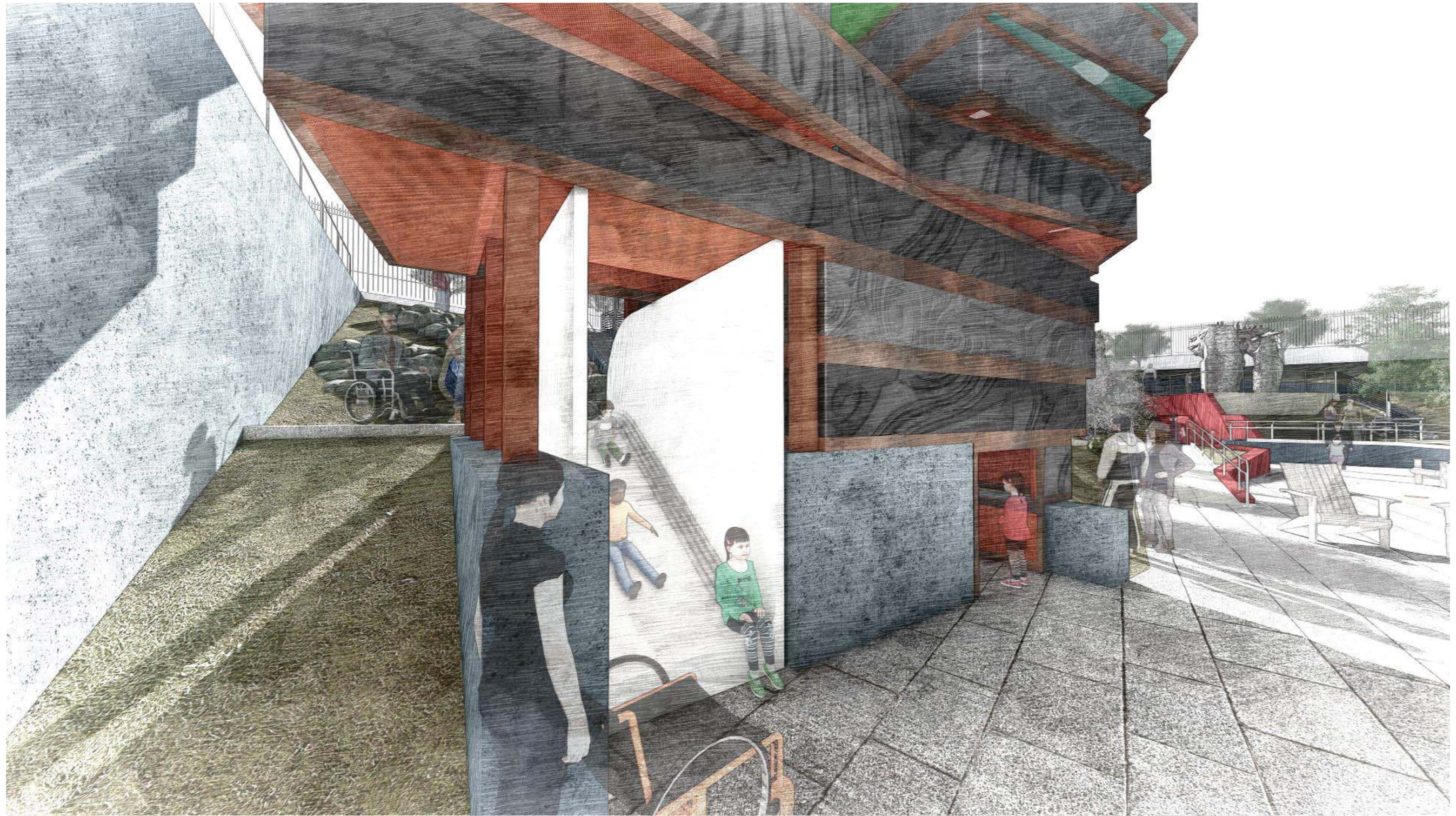


Stone Towers
 First Floor Interior View





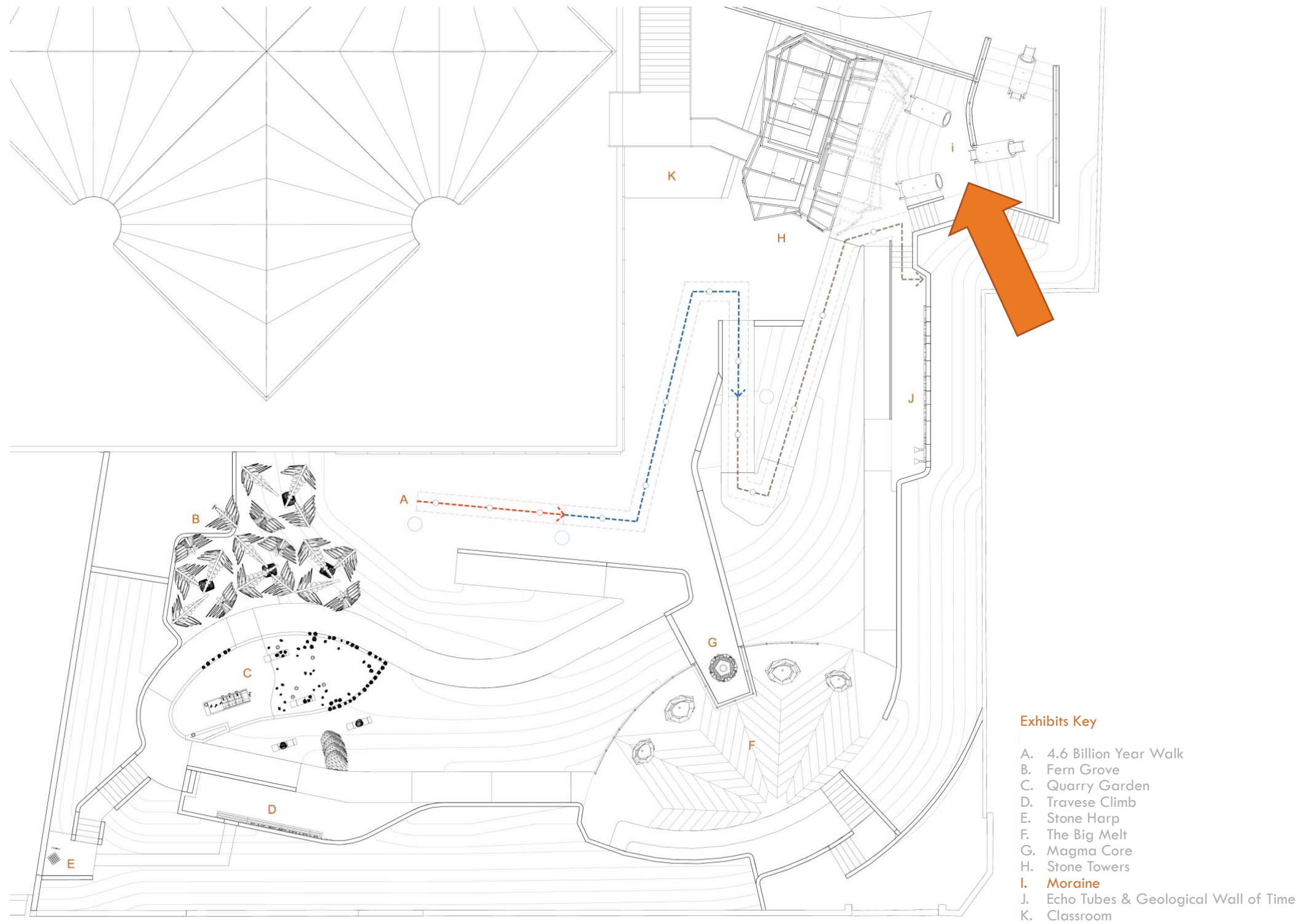




Stone Towers

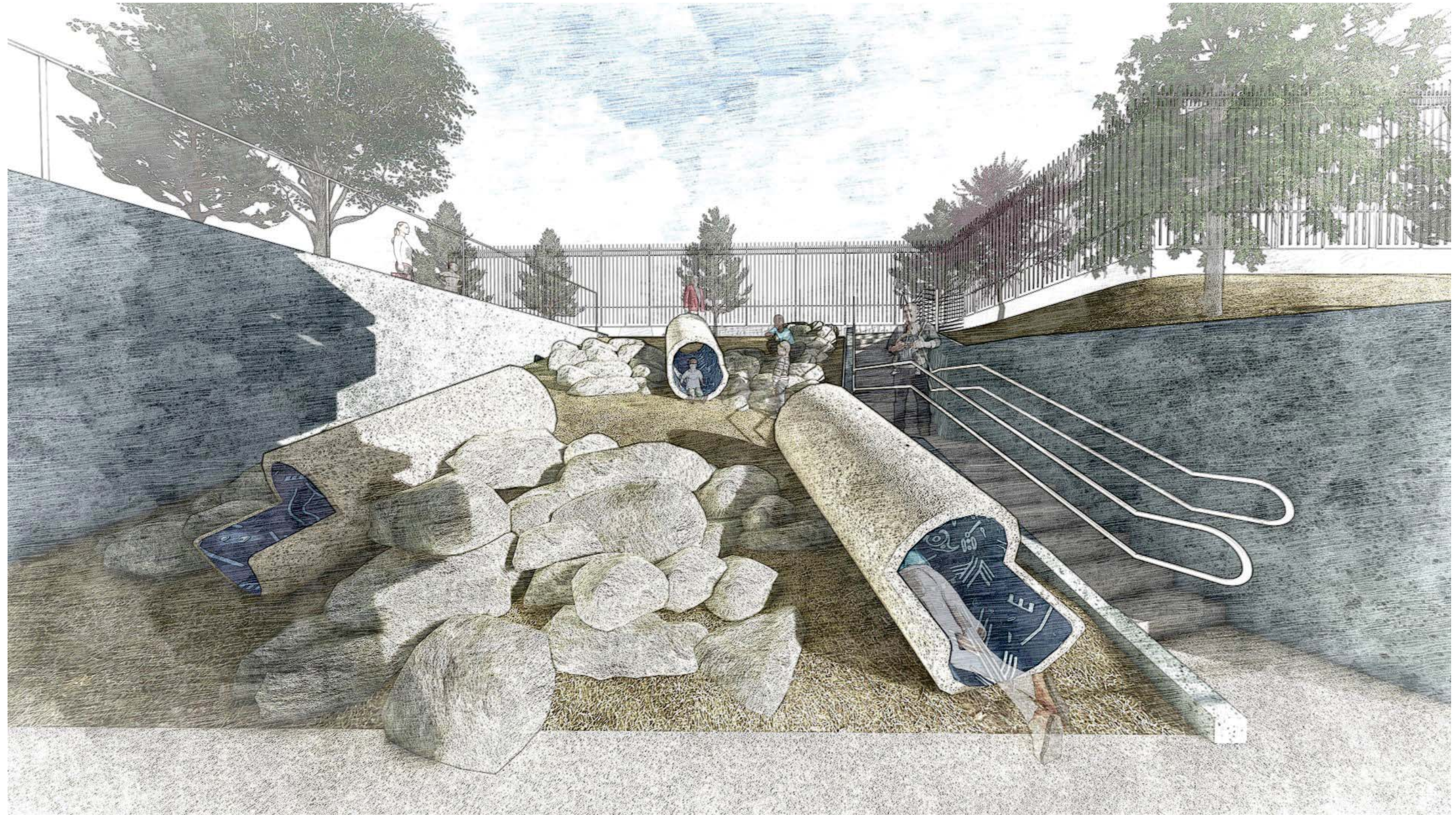


Stone  lowers

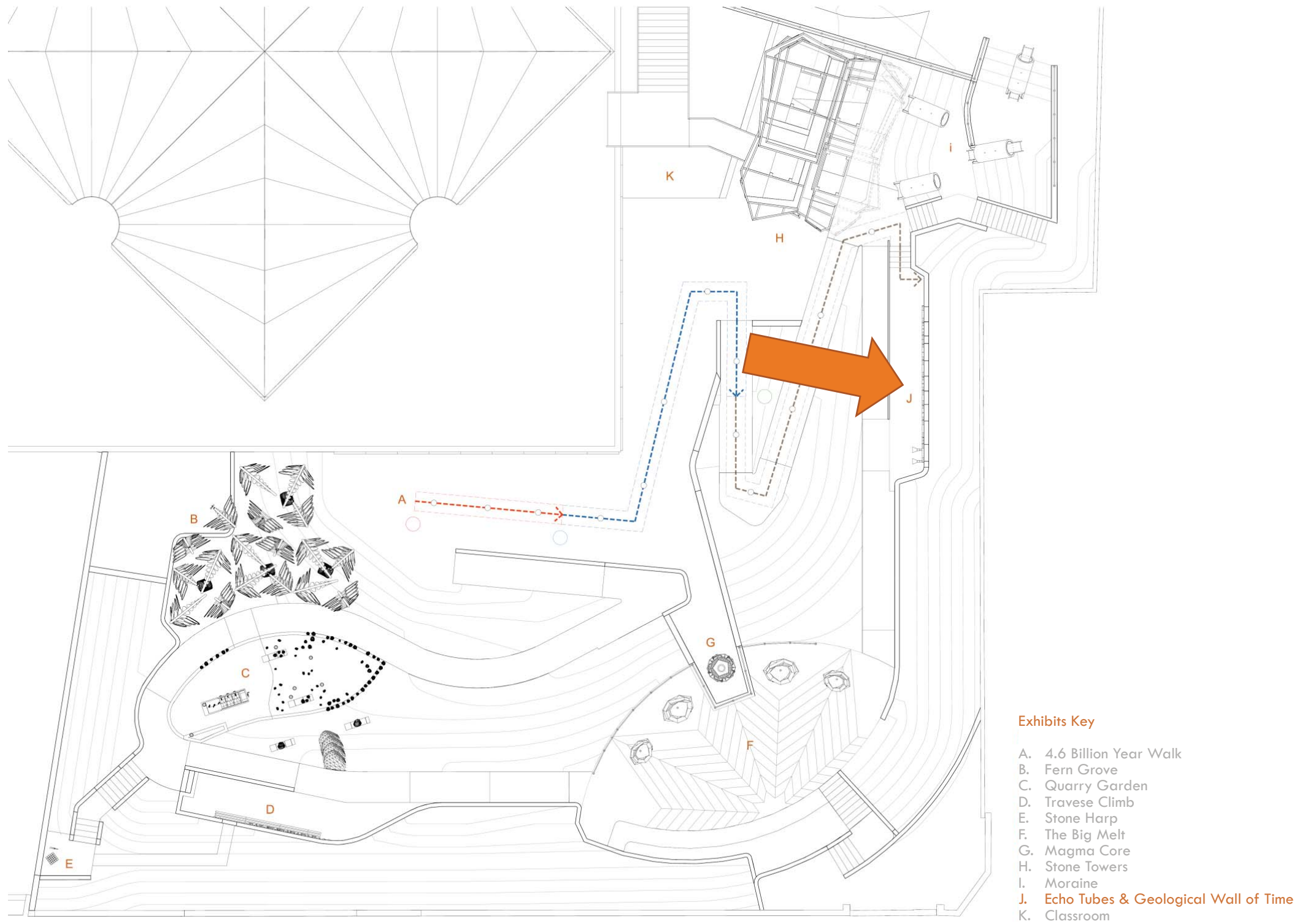


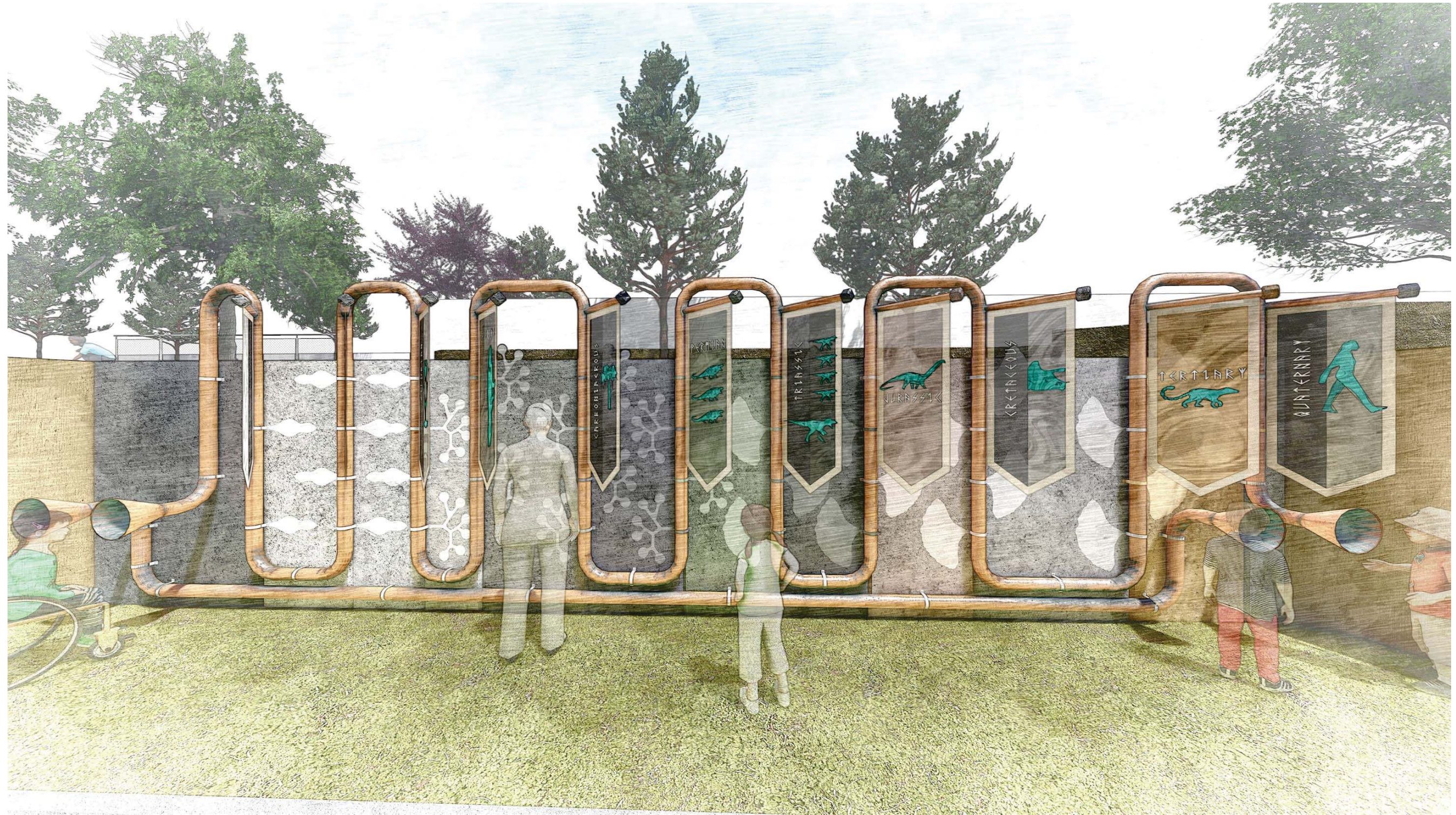


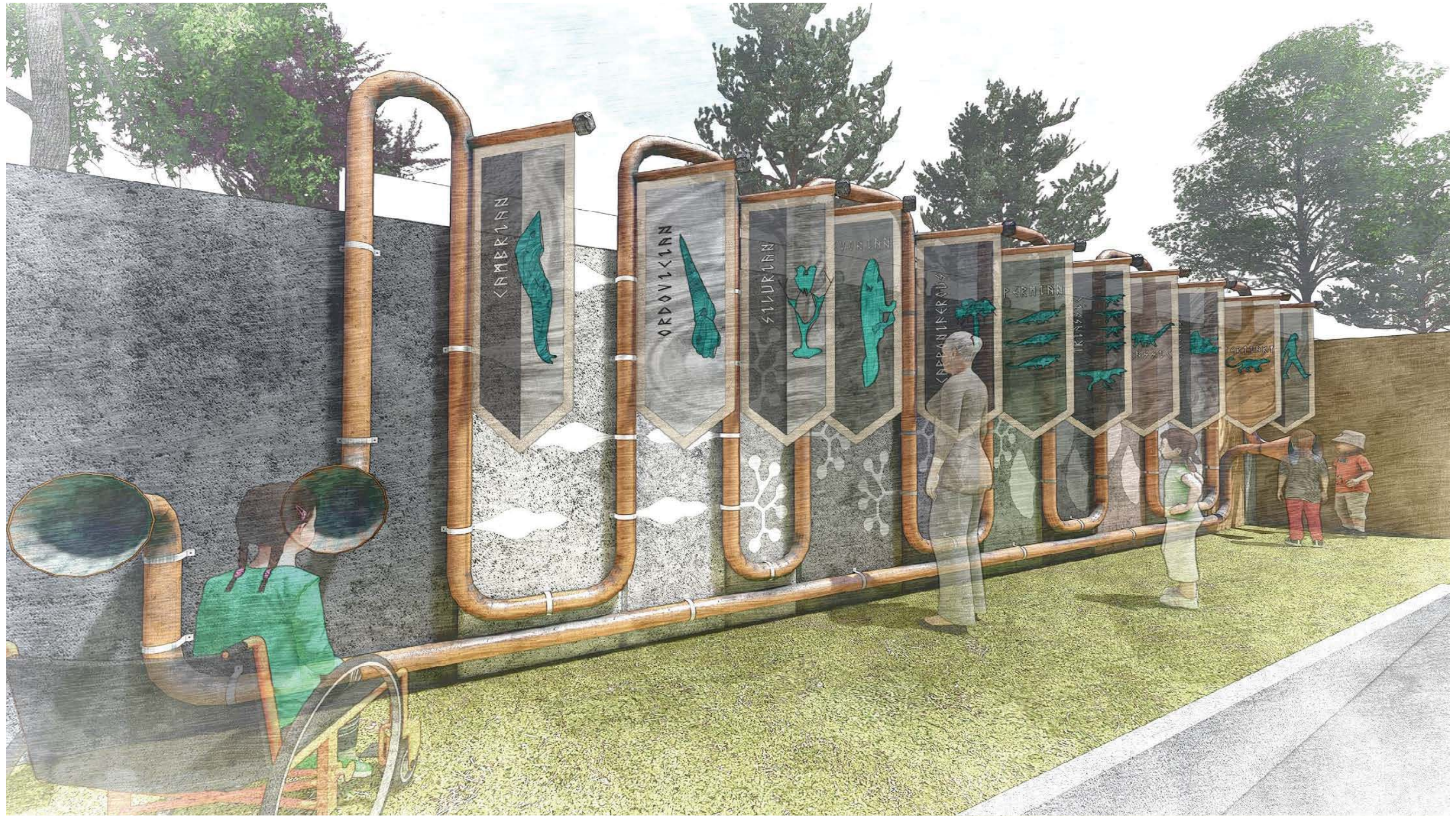
Moraine



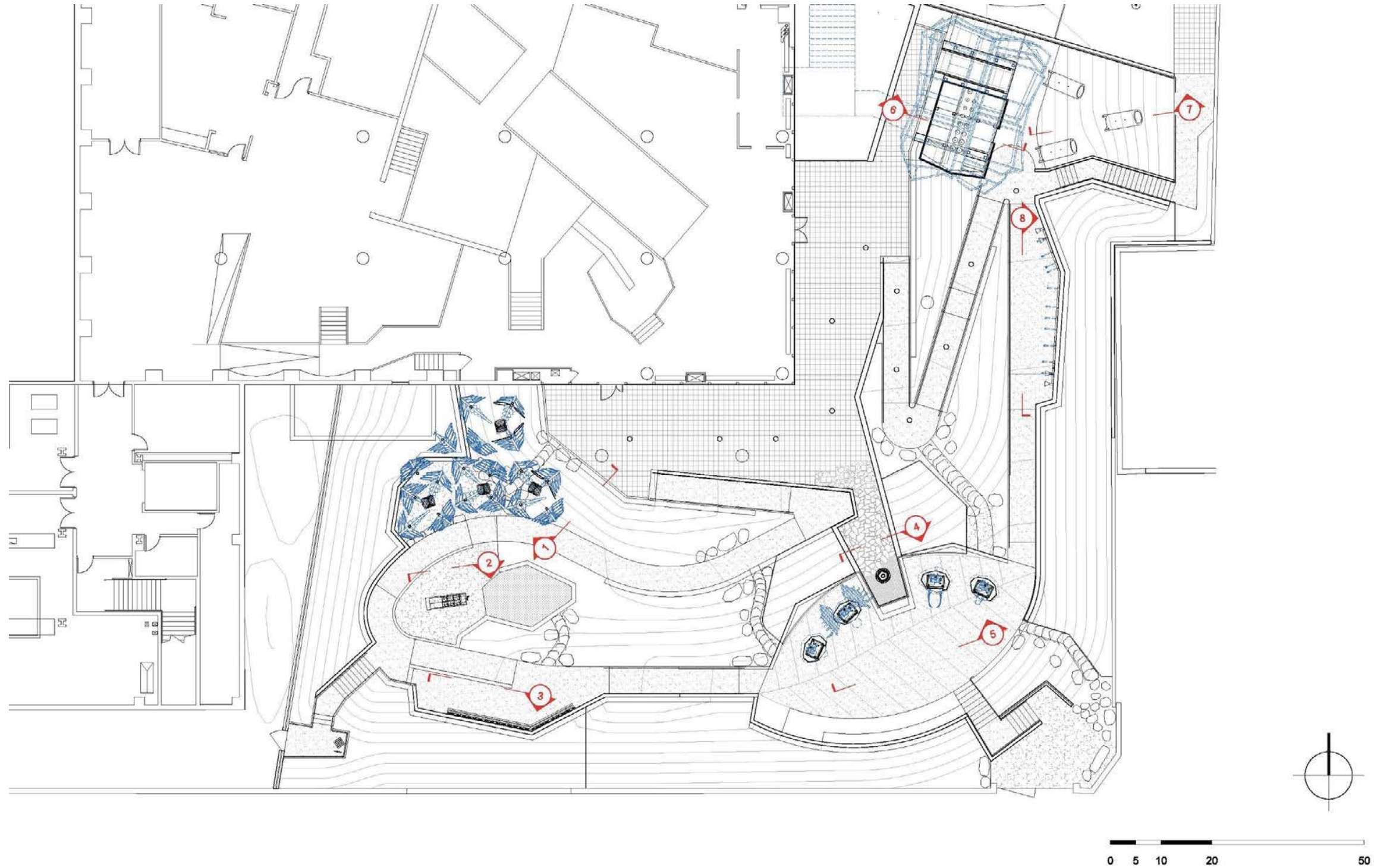
Moraine

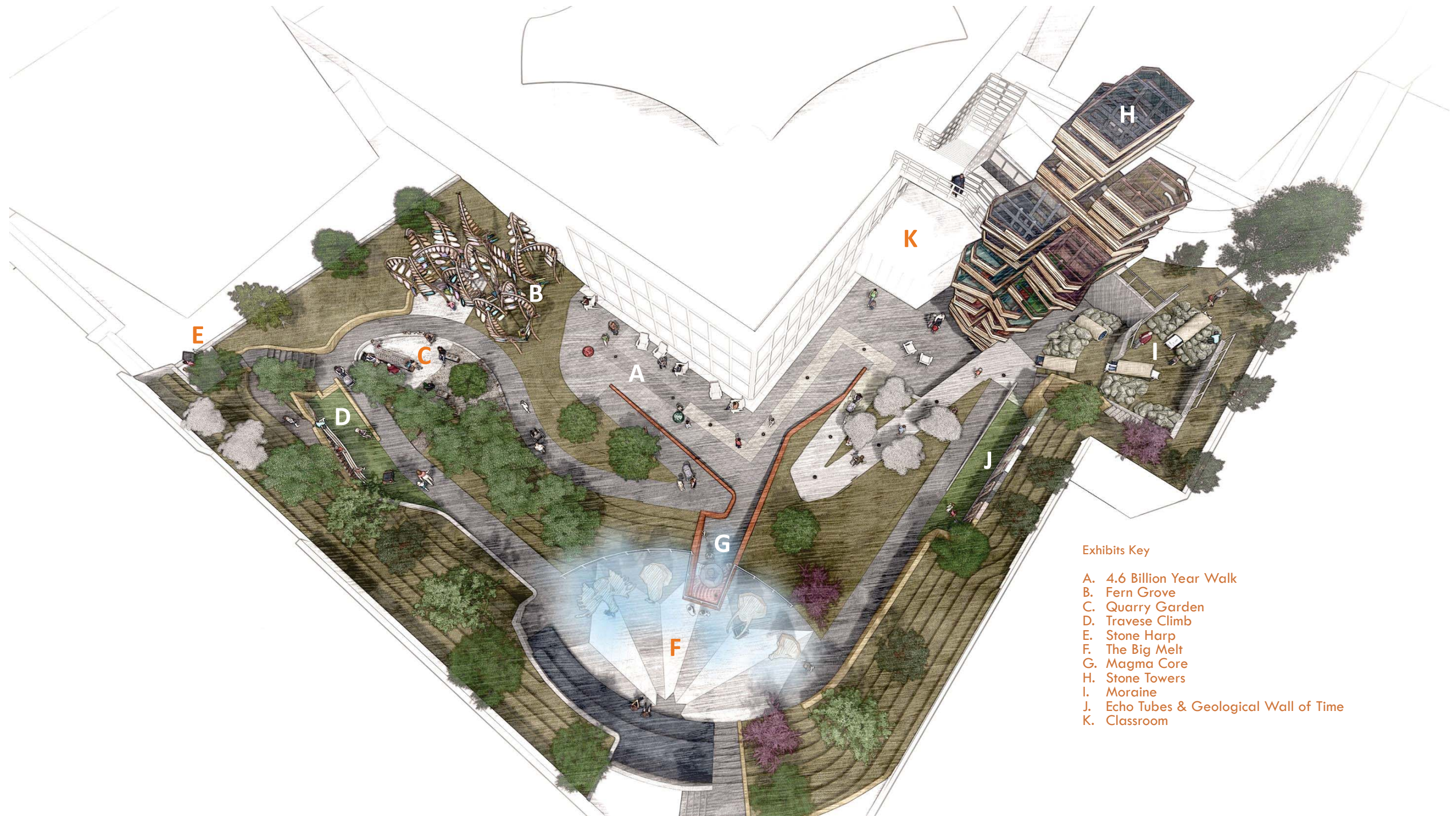






Echo Tubes & Geological Wall of Time





Exhibits Key

- A. 4.6 Billion Year Walk
- B. Fern Grove
- C. Quarry Garden
- D. Travesse Climb
- E. Stone Harp
- F. The Big Melt
- G. Magma Core
- H. Stone Towers
- I. Moraine
- J. Echo Tubes & Geological Wall of Time
- K. Classroom

Appendix



● ELT01: Handrail Light

Material: Aluminium
Manufacturer: Klik USA
Product Line: LEDpod40
Finish: Clear Anodized



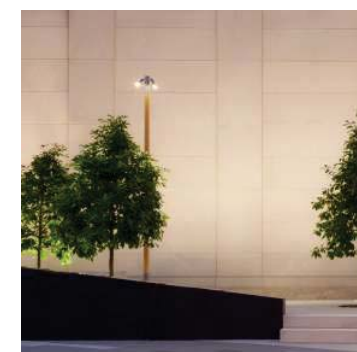
● ELT02: Step Light LED

Material: Aluminum
Size: 2.5"x2.5"
Color: Silver
Finish: Powdercoated
Manufacturer: Targetti
Product Line: Zedge



● ELT03: Bollard LED

Material: Aluminum
Size: 31.5" tall
Color: 'Corten'
Finish: Powder coated
Manufacturer: Louis Poulsen
Product Line: Flindt



● A01 + A02:
Pole Mounted LED

Material: Aluminum fixture,
Wood and Aluminum pole
Size: Height TBD
Color: Silver
Manufacturer: BK Lighting
Product Line: Denali
A01: double head
A02: triple head





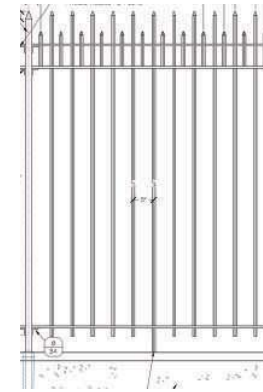
MR-1: Guardrail Panels

Material: Steel
Size: Various
Finish: Galvanized Rail, with SS Net
Manufacturer: Jakob Rope Systems



MR-2: Handrail

Material: Steel
Size: Various
Finish: Galvanized
Manufacturer: Standard



ST-1: Steel Fence

Material: Steel
Color: Black
Finish: Painted Matte Black
Manufacturer: DPR standard to match existing



ST-2: Fence Rail

Material: Steel
Manufacturer: Keuka
Product Line: Ithaca
Finish: Galvanized Rail with SS cable



DF-1: Drinking Fountain

Material: Steel
Size: ADA, Dual head
Manufacturer: Filtrine
Product Line: 130



ELT01: Handrail Light

Material: Aluminium
Manufacturer: Klik USA
Product Line: LEDpod40
Finish: Clear Anodized



ELT02: Step Light LED

Material: Aluminum
Size: 2.5"x2.5"
Color: Silver
Finish: Powdercoated
Manufacturer: Targetti
Product Line: Zedge



ELT03: Bollard LED

Material: Aluminum
Size: 31.5" tall
Color: 'Corten'
Finish: Powder coated
Manufacturer: Louis Poulsen
Product Line: Flindt



A01 + A02:
Pole Mounted LED

Material: Aluminum fixture, Wood and Aluminum pole
Size: Height TBD
Color: Silver
Finish: Anodized
Manufacturer: BK Lighting
Product Line: Denali
A01: double head
A02: triple head