

The Design as Reviewed and Approved

National World War One Memorial

Submission for Final Approval

REVIEWED



Sculptor
SABIN HOWARD

ARCHITECTS



Land
DAVID RUBIN

Collective

PRESENTATION CONTENT

SUMMARY OF PREVIOUS / UPCOMING PRESENTATIONS

- Concept Lighting, Furnishing and Finishes (February 2019)
- Response to Walkway, Lighting, & Sculpture Fountain Comments (April 2019)
- Interpretation & Detailing (May 2019)
- Response to Sculpture and Lighting Comments + Site Security and Final Detailing (July 2019)
- **Design Recap for Final Approval (anticipated September 2019)**

PRESENTATION OBJECTIVES (9/19/2019)

Final Approval

PRESENTATION OUTLINE

- Project Scope and Background
- Existing Conditions
- Design Summary
 - Organizing Framework
 - Balancing Two Works of Art
 - Memorial Park Design
 - Memorial Park Program
 - Interpretive Framework
- 1st Tier Commemorative Features
 - Existing Pershing Memorial
 - A Soldier's Journey
 - Peace Fountain
 - Sculpture Fountain
- 2nd Tier Commemorative Features
 - Belvedere
 - Tactile Model
 - Inscriptions
 - Flagstaff
- 3rd Tier Commemorative Features
 - Information Poppies
- Supporting Elements
 - Viewing Platform
 - ADA Accessibility Improvements
 - Park History Wayside
 - Lighting
 - Entry Signage and Site Security Measures
- Planting
 - Existing Canopy
 - Proposed Canopy
 - Understory

PROJECT SCOPE AND BACKGROUND

PROJECT SCOPE AND BACKGROUND

INTRODUCTION

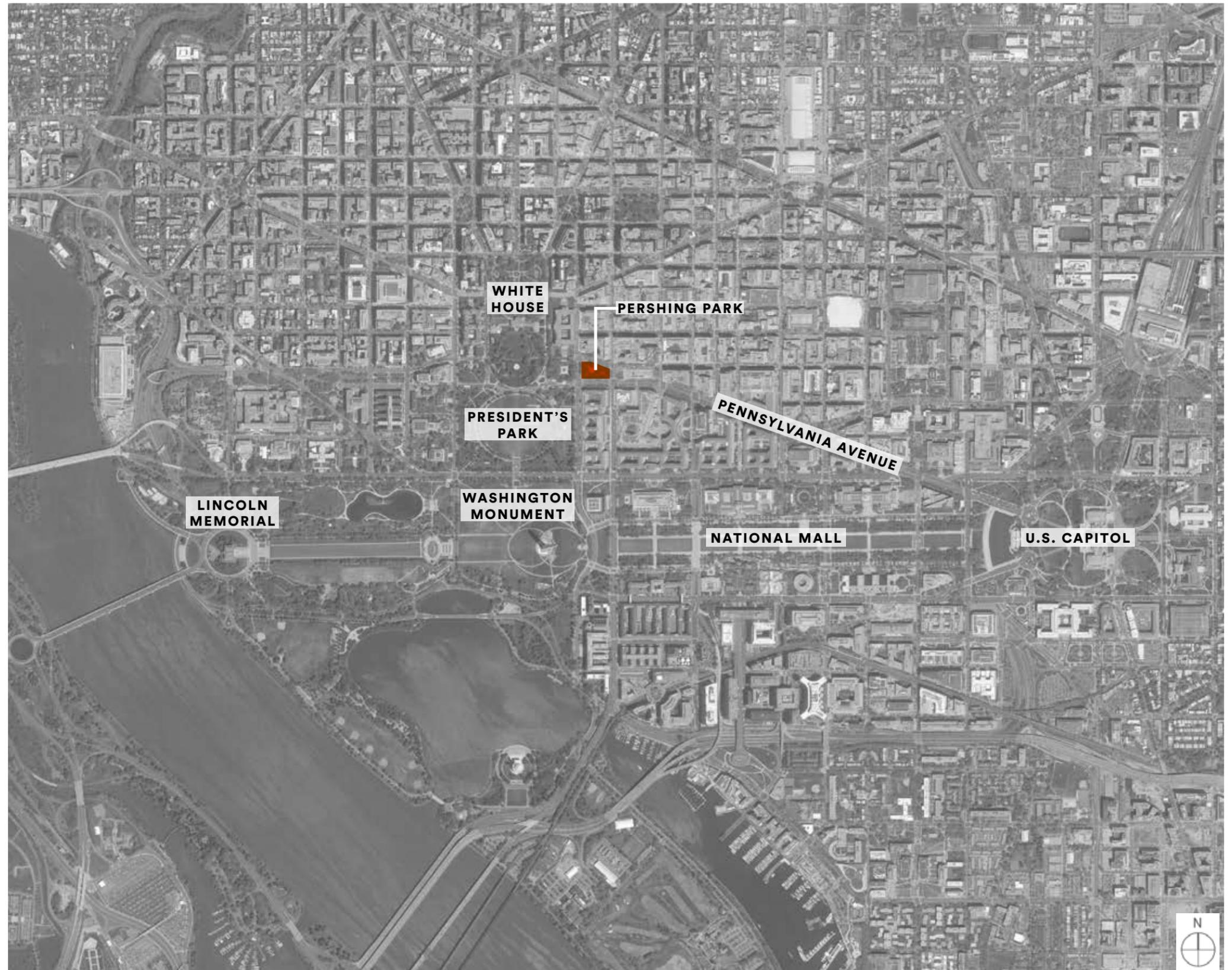
Of the four major wars of the 20th century, World War I alone has no national memorial in the nation's capital. More American servicemen were lost in World War I than in the Korean and Vietnam wars combined, with 116,516 lost and 200,000 more wounded. In December 2014, President Obama signed legislation authorizing the U.S. World War I Centennial Commission (WWICC) to establish a new memorial. P.L.113-291, Section 3091 of the National Defense Authorization Act of 2015 re-designates Pershing Park in the District of Columbia, an existing memorial to General John J. Pershing, commander of American forces in World War I, as a national World War I Memorial, and authorizes the WWICC to further honor American servicemen and women in World War I:

a. (3) AUTHORITY TO ENHANCE COMMEMORATIVE WORK

(A) IN GENERAL. The Commission may enhance the General Pershing Commemorative Work by constructing on the land designated in paragraph (1) [Pershing Park] as a World War I Memorial appropriate sculptural and other commemorative elements, including landscaping, to further honor the service members of the United States Armed Forces in World War I.

The existing park is a 1.8 acre parcel bounded by Pennsylvania Avenue on the north and south, 15th Street NW on the west and 14th Street NW on the east. The park was designed by M. Paul Friedberg and Partners in 1979-80 and constructed by the Pennsylvania Avenue Development Corporation as part of a congressionally authorized effort to rehabilitate the Avenue. In the southeast corner of the site sits a memorial to General John J. Pershing, designed by architect Wallace K. Harrison. Landscape architects Oehme van Sweden redesigned the park planting shortly after the park was constructed in 1981, supplementing and changing portions of the original Friedberg design.

The national World War I Memorial will serve a dual function, as a space of commemoration and as an urban park situated within the Pennsylvania Avenue National Historic Site. The memorial design must balance these two functions with great sensitivity, providing an expanded commemorative identity worthy of a National World War I Memorial while at the same time honoring the historic significance of the park and its greater context.



PROJECT SCOPE AND BACKGROUND

WWI MEMORIAL COMPETITION

The primary objective of the WWI Memorial Competition was to generate designs that would honor the service of American forces in World War I through the transformation of a park with a small memorial situated within it, into a site that serves primarily as a national World War I Memorial within a well-functioning urban park. Designers were asked to create a distinct sense of place that would revitalize the park and connect to the larger network of memorials and monuments of the National Mall, while strengthening the park's relationship to the urban context. The competition also asked designers to consider the integration of the existing Pershing Memorial and physical park elements with new commemorative features, to balance a sense of enclosure with openness and visibility, and to develop a design that is timeless and meaningful for future generations.

The WWICC sponsored an open, two stage international design competition. Of the more than 350 entries received, five were chosen to participate in the second stage by an independent jury of experts in landscape architecture, planning, architecture, and history. The Design Oversight Committee, consisting of representatives from the World War I Centennial Commission, the National Parks Service, National Capital Planning Commission, Commission of Fine Arts, General Services Administration, DC State Historic Preservation Office, and other stakeholders, met with each of the five finalists on three separate occasions. On January 6th, 2016, the finalists presented their designs to the Competition Jury.

The Competition Jury unanimously chose the design concept submittal *The Weight of Sacrifice*, recommending to the WWICC that the design team be selected to continue work to make the Memorial a reality:

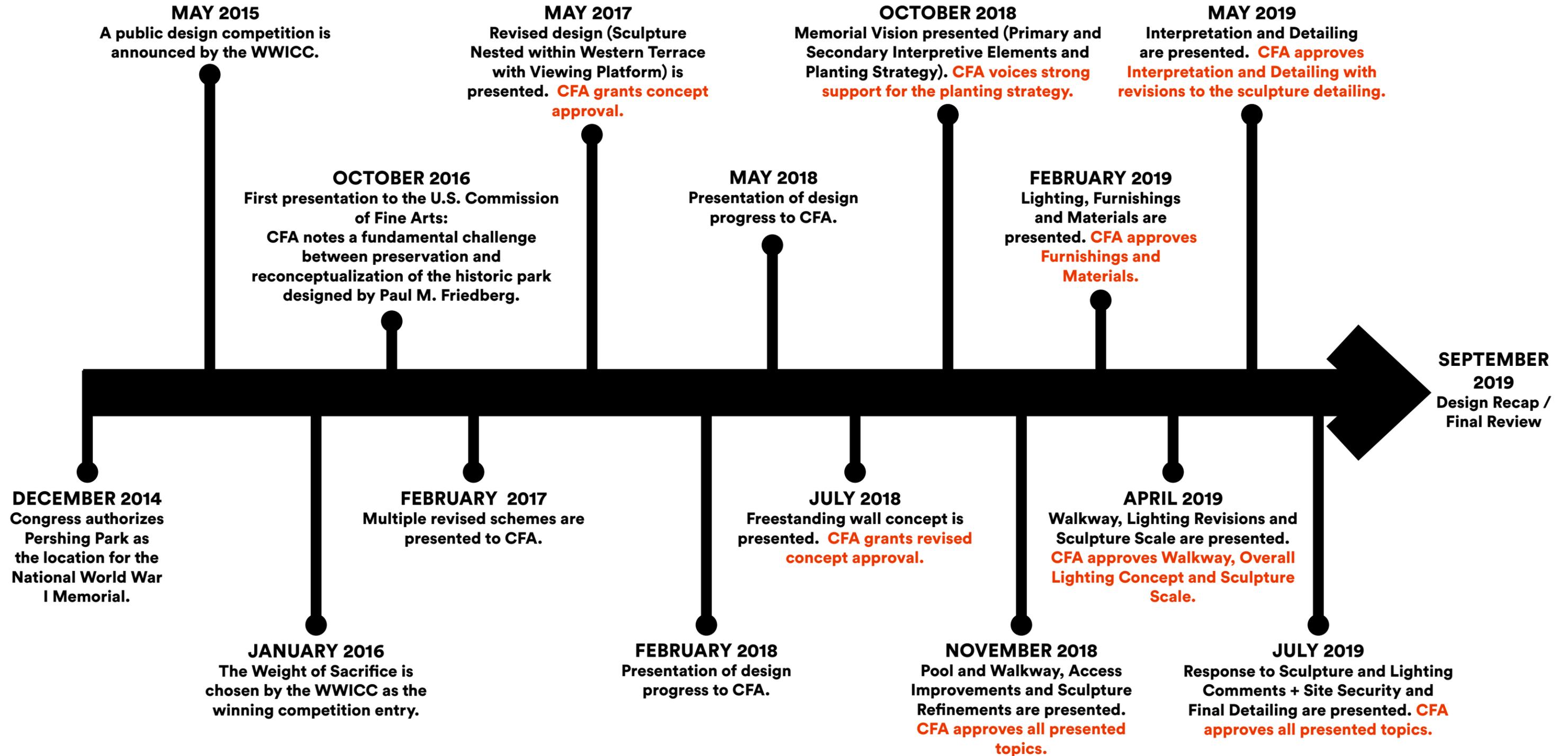
“The *Weight of Sacrifice* comes closest to meeting all National World War I Memorial goals. Properly executed, this design concept promises to remind and inspire visitors for generations to come about American involvement and sacrifice in World War I. And it promises as well to become a popular, well-functioning, animated urban park in the heart of the nation's capital.”



- | | |
|--|------------------------|
| 1. <i>Pershing Memorial</i> | 5. <i>Central Lawn</i> |
| 2. <i>Wall of Remembrance</i> | 6. <i>Civic Plaza</i> |
| 3. <i>Brothers-In-Arms Relief</i> | 7. <i>Allee</i> |
| 4. <i>Wheels of Humanity Sculpture</i> | |

PROJECT SCOPE AND BACKGROUND

DESIGN PROCESS / CFA APPROVALS



EXISTING CONDITIONS

EXISTING CONDITIONS

PERSHING PARK

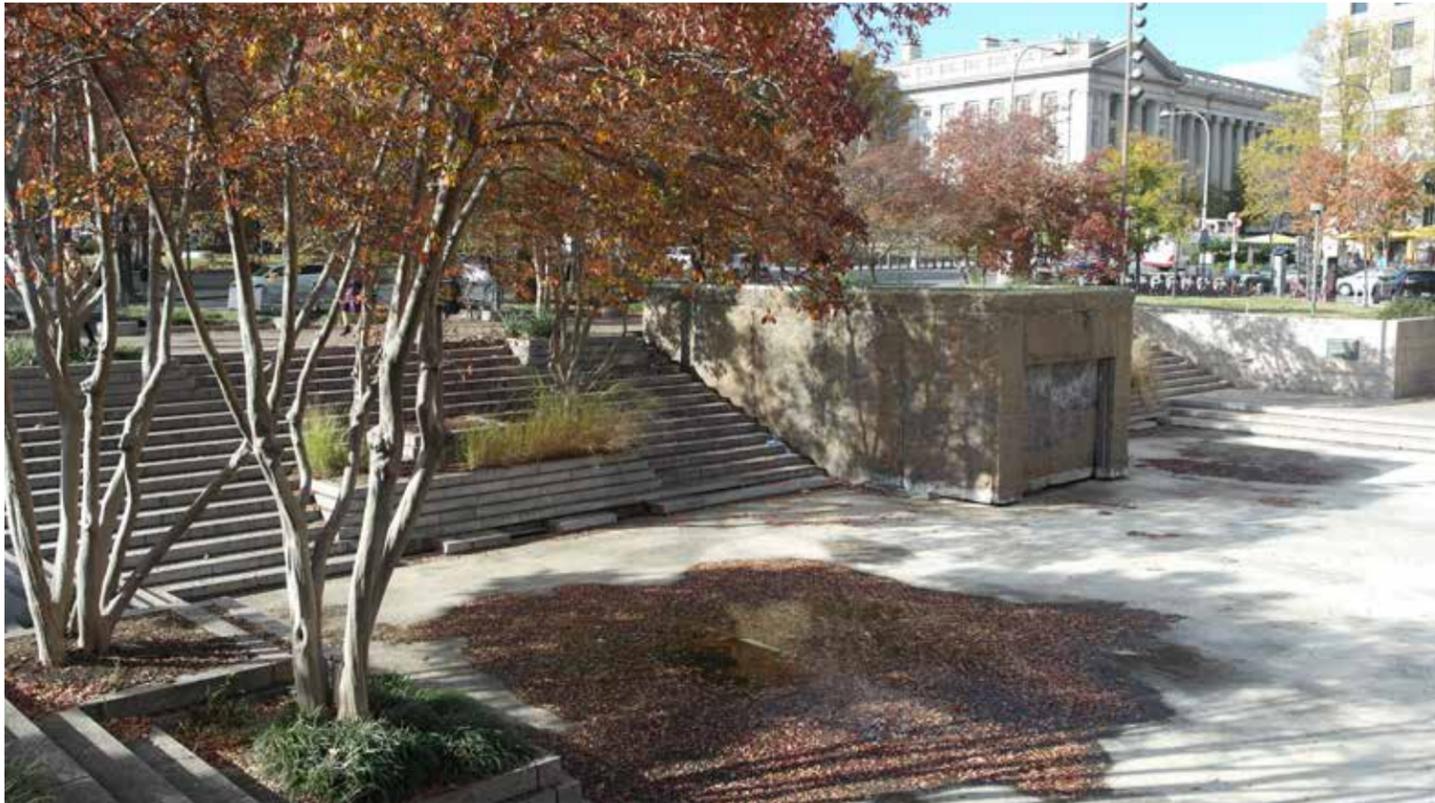


EXISTING CONDITIONS

SITE PHOTOS

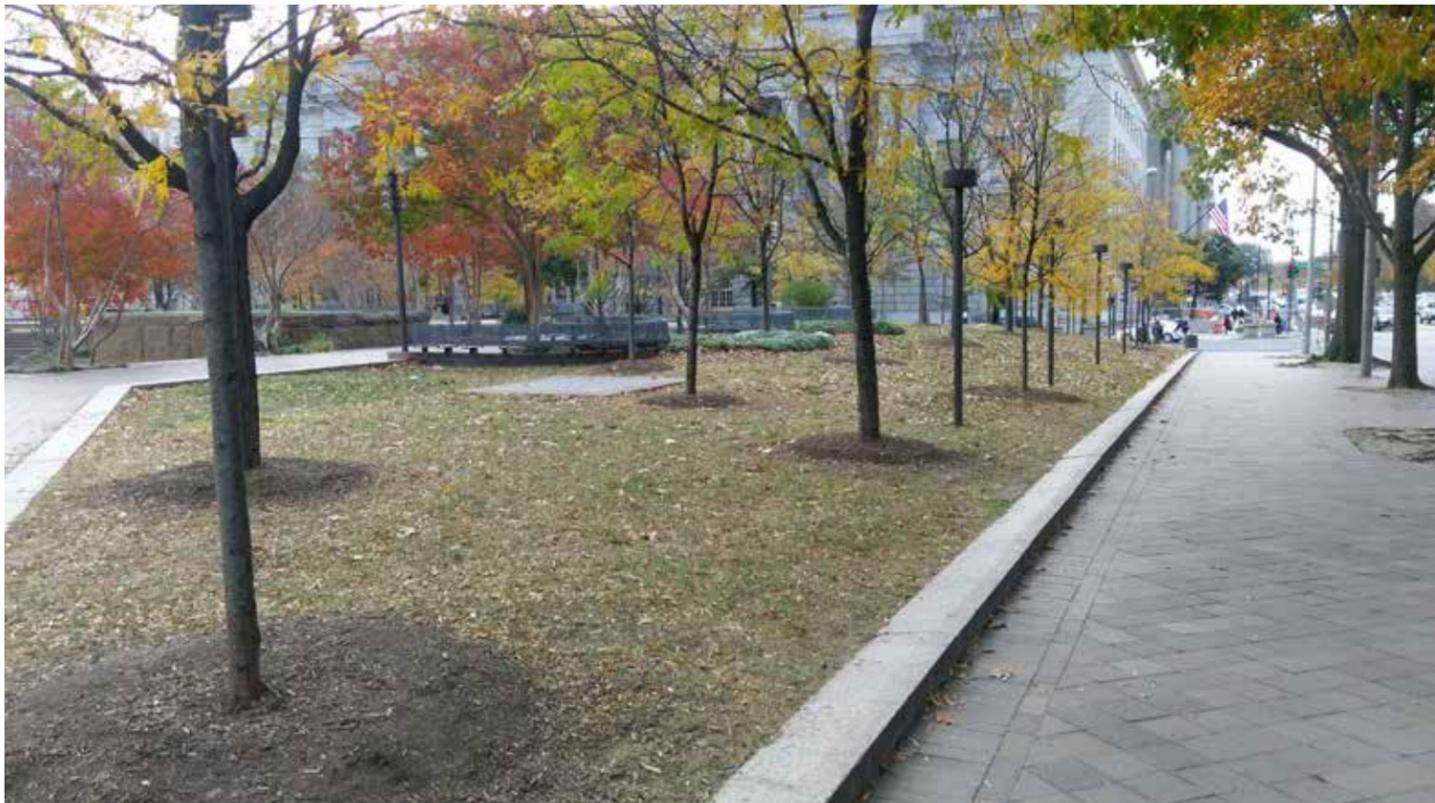


EXISTING CONDITIONS
SITE PHOTOS



EXISTING CONDITIONS

SITE PHOTOS



EXISTING CONDITIONS

SITE PHOTOS



DESIGN SUMMARY

ORGANIZING FRAMEWORK

BALANCING TWO WORKS OF ART

MEMORIAL PARK DESIGN

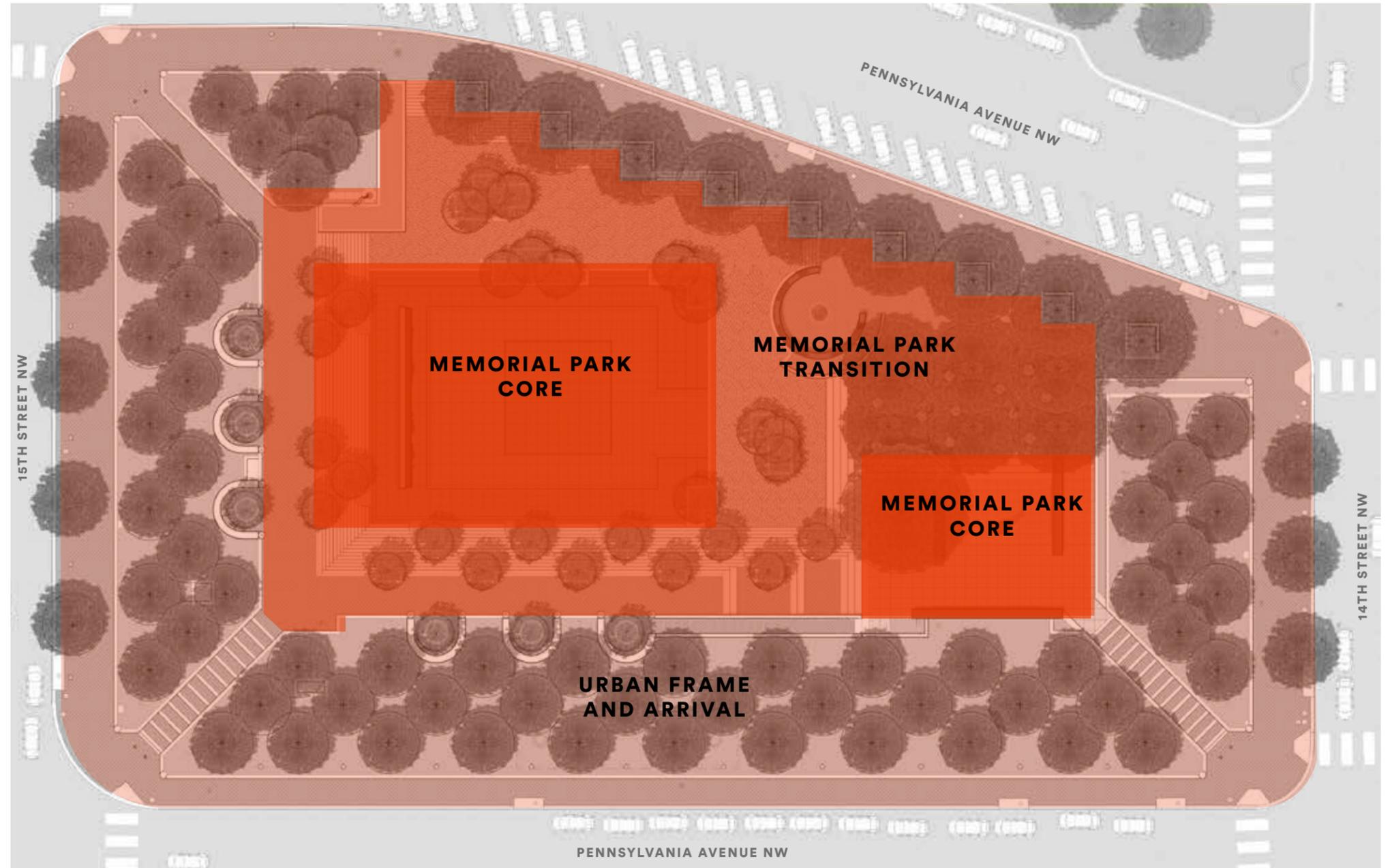
MEMORIAL PARK PROGRAM

INTERPRETIVE FRAMEWORK

DESIGN SUMMARY

ORGANIZING FRAMEWORK: MEMORIAL PARK LAYERS

- Take advantage of the existing layered park framework to transition from the surrounding urban context into the memorial core
- Maintain the spatial organization of the existing triad of focal points within the park
- Maintain the qualities of the successful urban oasis with sheltering berms, lush plantings, a peaceful fountain, perimeter seating opportunities and terraced seating overlooking the central memorial / park space



- URBAN FRAME AND ARRIVAL
- MEMORIAL PARK TRANSITION
- MEMORIAL PARK CORE

DESIGN SUMMARY

BALANCING TWO WORKS OF ART

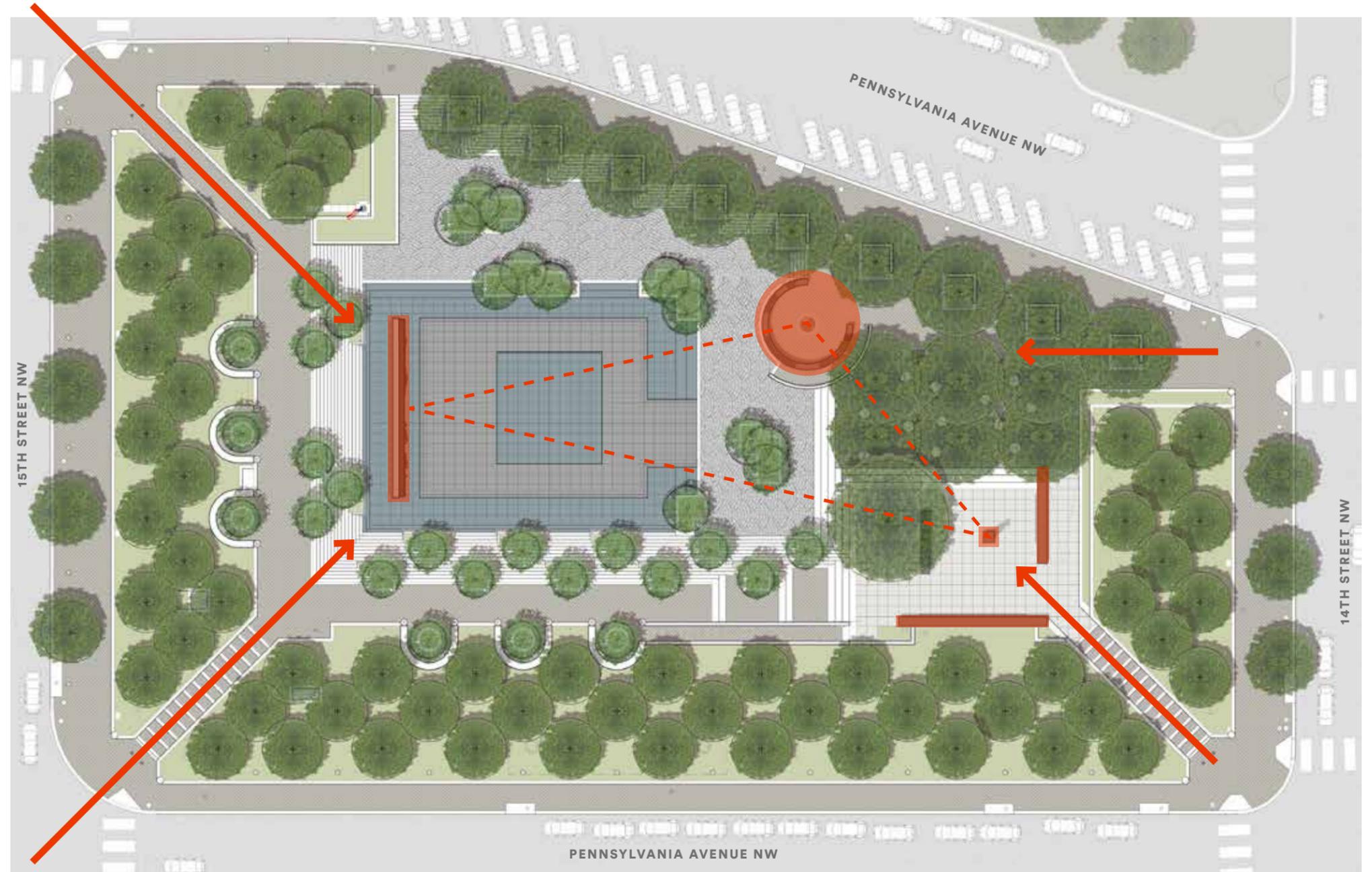
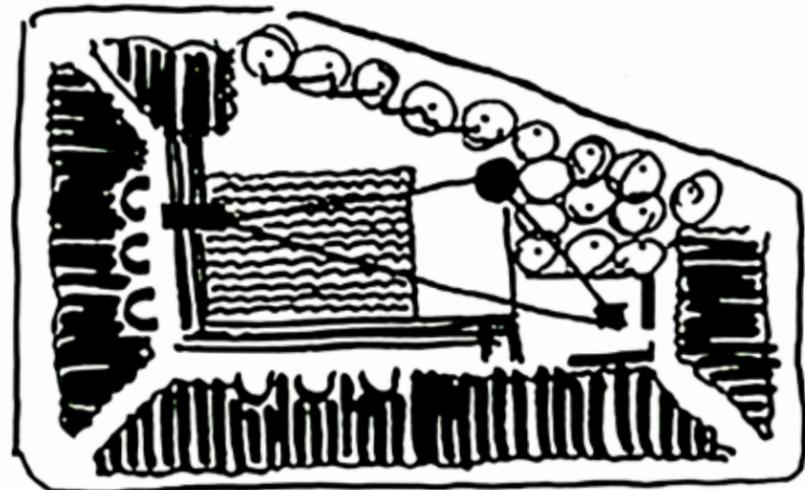
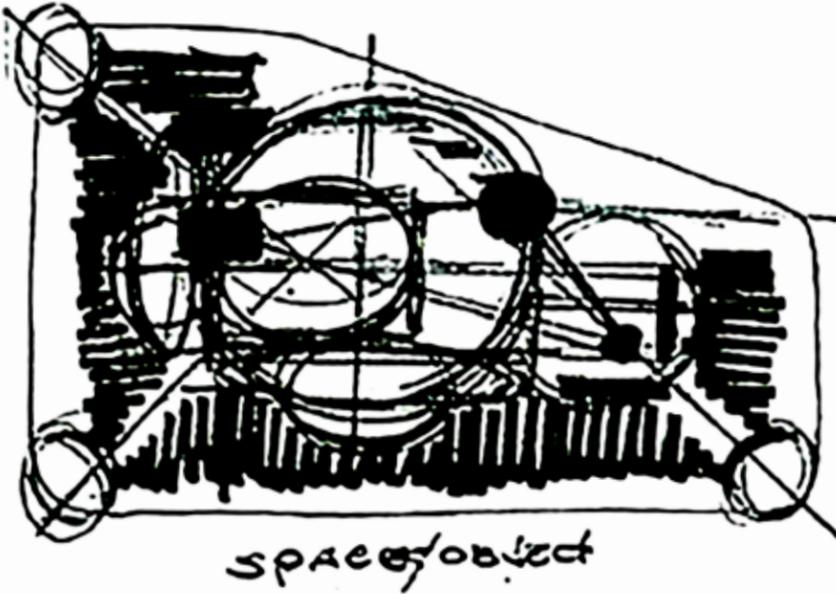
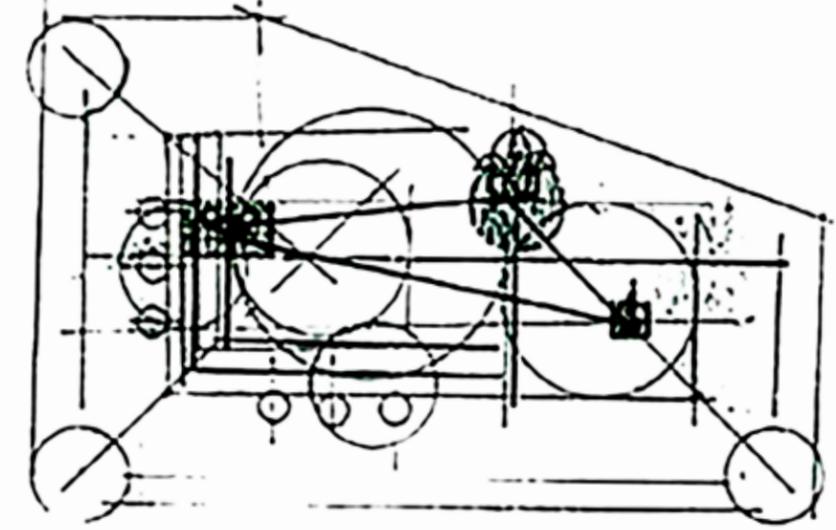


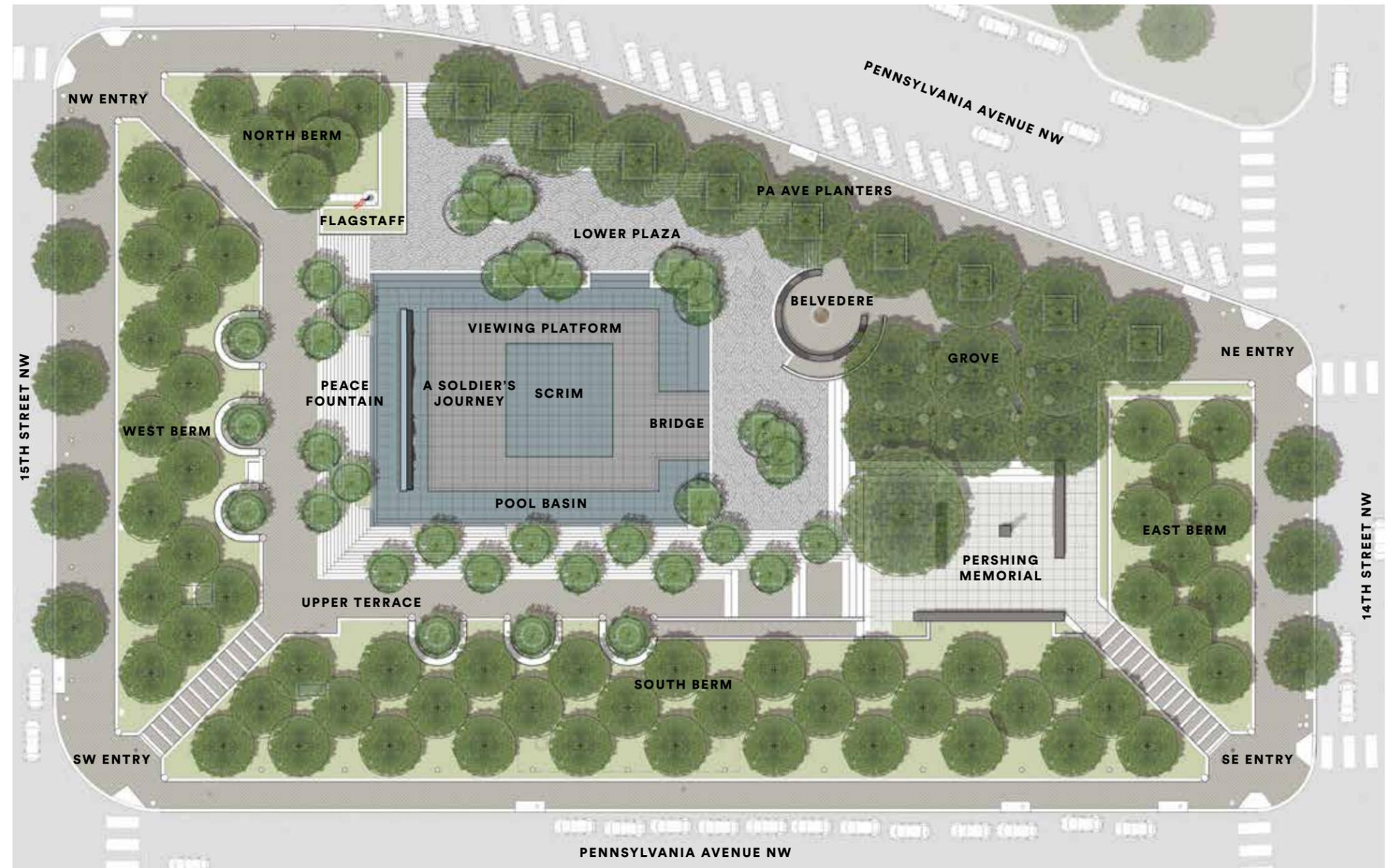
Photo Credit: "Pershing Park," *Process Architecture* 82, 1989, 77"

DESIGN SUMMARY

MEMORIAL PARK DESIGN

PROJECT GOALS

- Balance the goals of the National World War I Memorial and those of a culturally significant urban park
- Design a well-integrated park-and-memorial that facilitates a variety of park uses, and that harmonizes with the surrounding urban context
- Establish a memorial with weight and gravity commensurate with that of the war memorials on the Mall
- Place the memorial as the central or focal feature of the overall design while maintaining the qualities of the existing focal feature of the park
- Convey the significance of World War I as an event in U.S. and world history
- Convey the scale of American sacrifice, which exceeded that of all our nation's wars other than the Civil War and World War II
- Create the most opportunity to preserve and restore existing features of the park
- Provide tiers of interpretation that allow visitors to experience the memorial park at their desired level

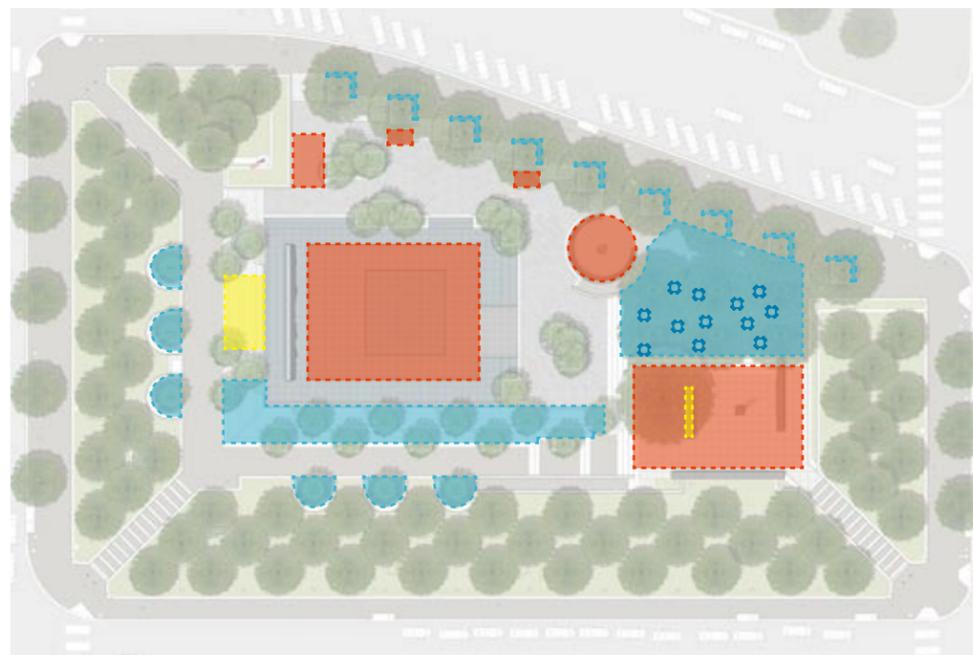


DESIGN SUMMARY

MEMORIAL PARK PROGRAM

- Memorial Engagement
- Memorial Seating
- Park Seating
- Loose Tables and Chairs
- Memorial Exhibit
- Temporary Exhibit Panels
- Tented Event / Event Seating

TYPICAL DAY



SEMI-ANNUAL / BI-ANNUAL EVENTS



MEMORIAL EVENT



DESIGN SUMMARY

INTERPRETIVE FRAMEWORK



Scale: 1" = 16'-0"
NORTH

DESIGN SUMMARY

INTERPRETIVE FRAMEWORK

1ST TIER -

PHYSICAL COMMEMORATION
(STATUE, SCULPTURE, FOUNTAIN)

**THE GREAT MAN
(TOP DOWN)**

**EVERY MAN
(BOTTOM UP)**

PEACE



2ND TIER

PHYSICAL INTERPRETATION
(BELVEDERE, SELECT QUOTATIONS)

**WHO? &
WHY?** **WWI PRE-
U.S.**

**DOUGHBOY /
SCULPTURE** **DIVERSE
VOICES**

SEARCH **PEACE
TODAY**



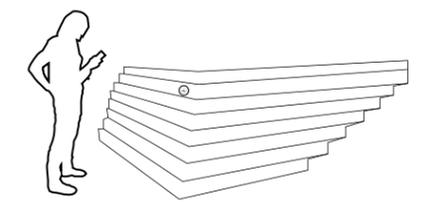
3RD TIER

TECH INTERPRETATION
AUDIO / VISUAL
(DEVICE APP / QR CODE
POPPIES)

**WHY WE
JOINED** **LEADERSHIP
IN BATTLE** **OTHER
INFO**

TECH **HOME FRONT/
HOMECOMING** **OTHER
INFO**

SONGS **HISTORY** **OTHER
INFO**



1ST TIER COMMEMORATIVE FEATURES

EXISTING PERSHING MEMORIAL

A SOLDIER'S JOURNEY

PEACE FOUNTAIN

SCULPTURE FOUNTAIN

1ST TIER COMMEMORATIVE FEATURES



- ① PERSHING MEMORIAL (THE GREAT MAN)
- ② A SOLDIER'S JOURNEY (EVERY MAN)
- ③ THE PEACE FOUNTAIN (SEARCH FOR PEACE)

1ST TIER COMMEMORATIVE FEATURES

EXISTING PERSHING MEMORIAL



1ST TIER COMMEMORATIVE FEATURES

A SOLDIER'S JOURNEY



1ST TIER COMMEMORATIVE FEATURES

A SOLDIER'S JOURNEY: SCALE

Approved Sculpture Scale from April 2019 CFA:

6'-6" SCULPTURE FIGURE HEIGHT

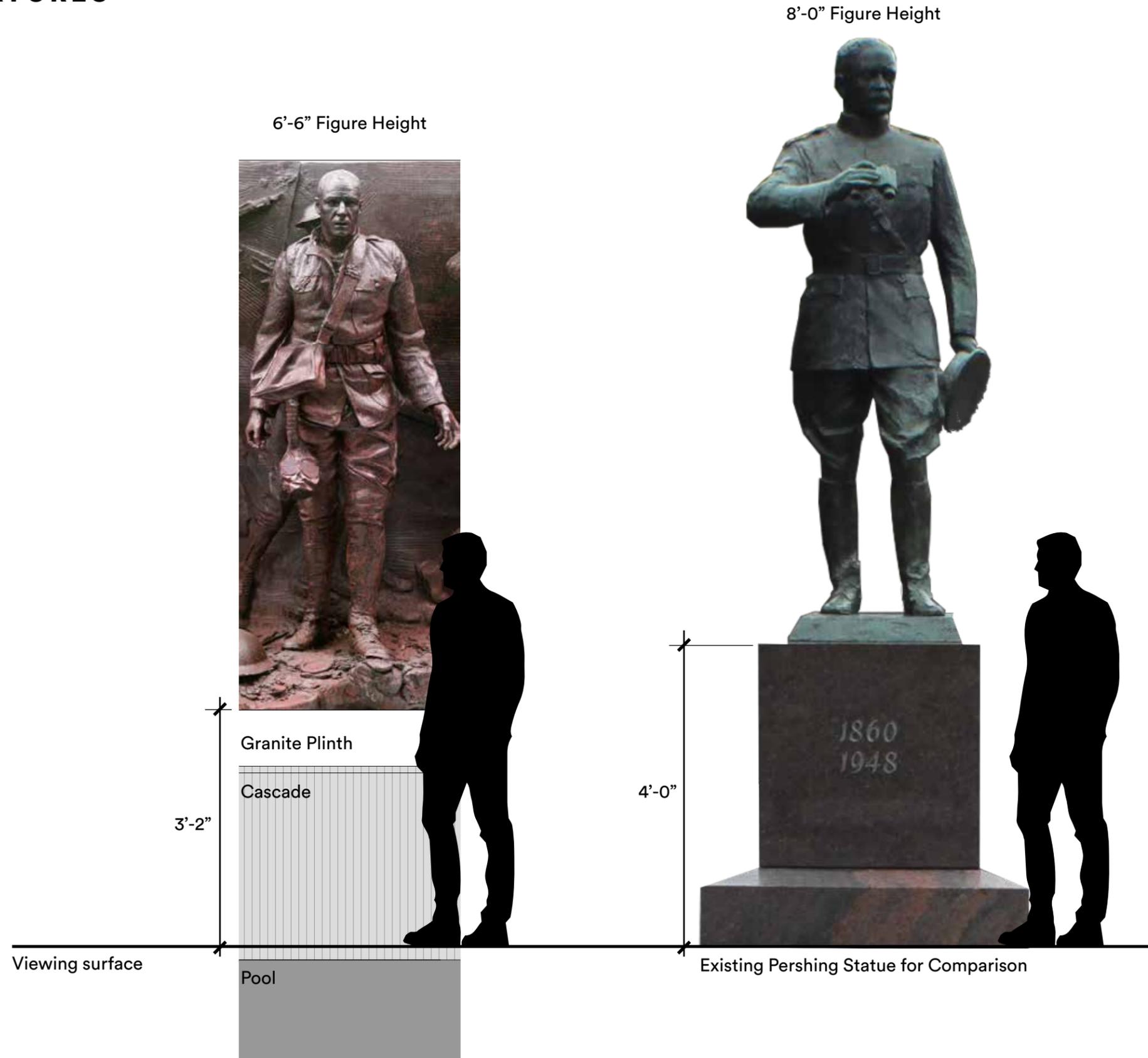
The sculpture figure height was selected during the April 2019 CFA presentation with the use of full scale mock ups. The height of the sculpture figure was identified at 6'-6" to maintain a monumental character.

58'-4 BRONZE SCULPTURE LENGTH

59'-4" TOTAL SCULPTURE FOUNTAIN LENGTH (bronze sculpture and granite bookends)

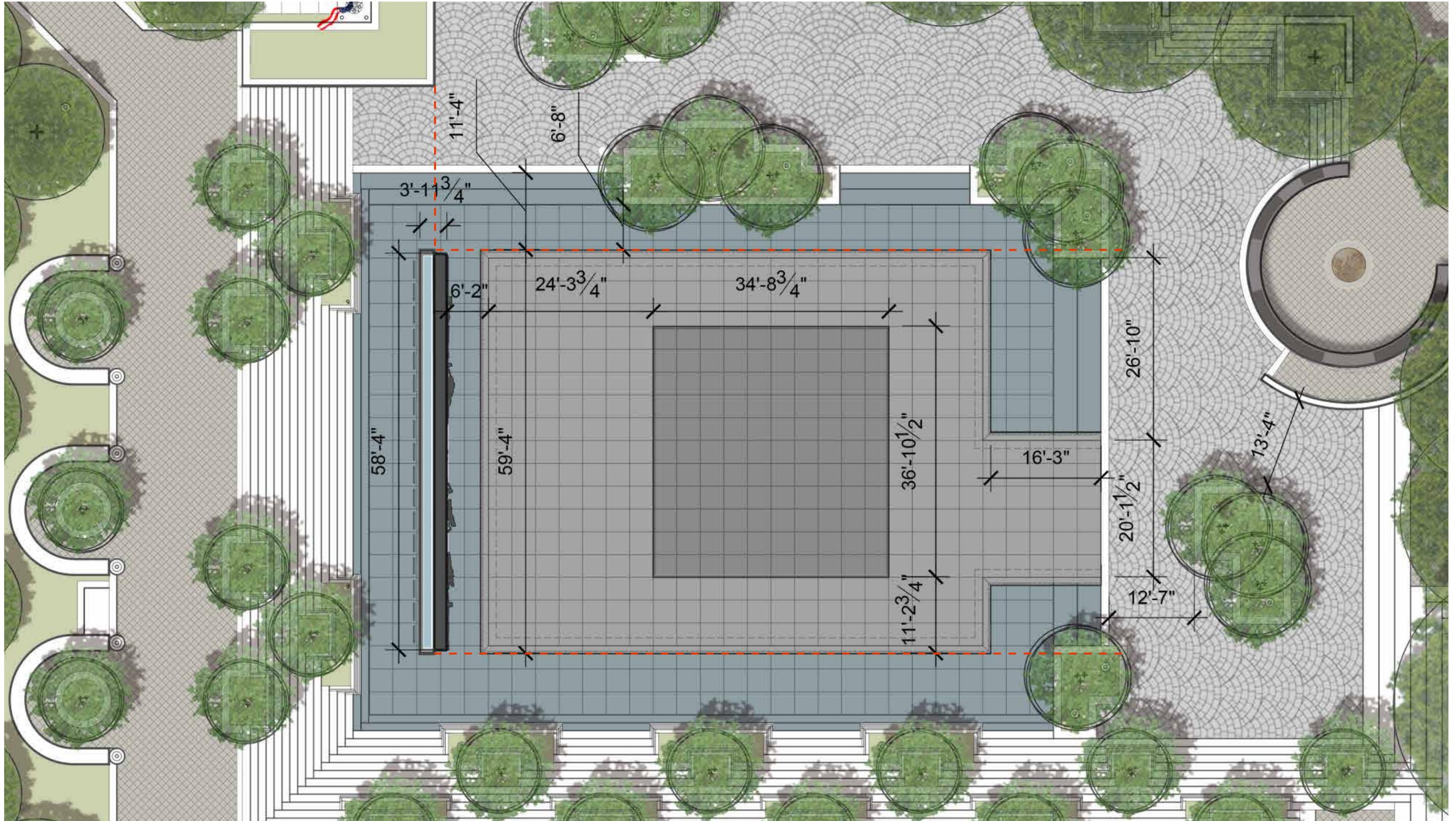
Please Note:

The shaded scale figure (shown at 5'-6 1/2") represents the median height of the average U.S. male (5'-9") and female (5'-4") and is included to provide context for the proportions of the figures within the sculpture.



1ST TIER COMMEMORATIVE FEATURES

A SOLDIER'S JOURNEY: SITE CONTEXT



1ST TIER COMMEMORATIVE FEATURES

PEACE FOUNTAIN



1ST TIER COMMEMORATIVE FEATURES
SCULPTURE FOUNTAIN



1ST TIER COMMEMORATIVE FEATURES

SCULPTURE FOUNTAIN: DETAILING AND MATERIALS



**CARNELIAN GRANITE
(THERMAL FINISH)**

**ALL EXPOSED
STONE SURFACES
OTHER THAN WEST
CASCADE**



**CARNELIAN GRANITE
(CORDUROY FINISH)**

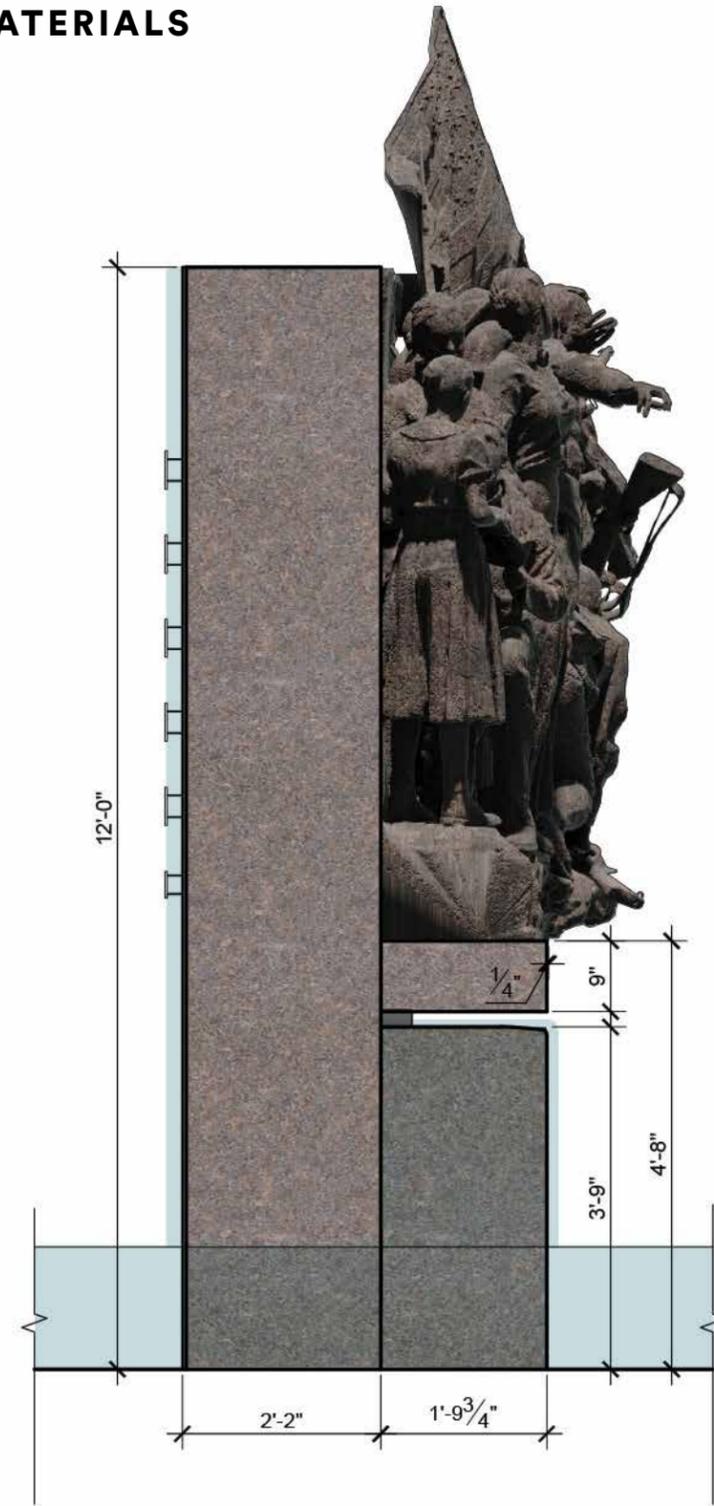
**ONLY AT WEST
CASCADE**



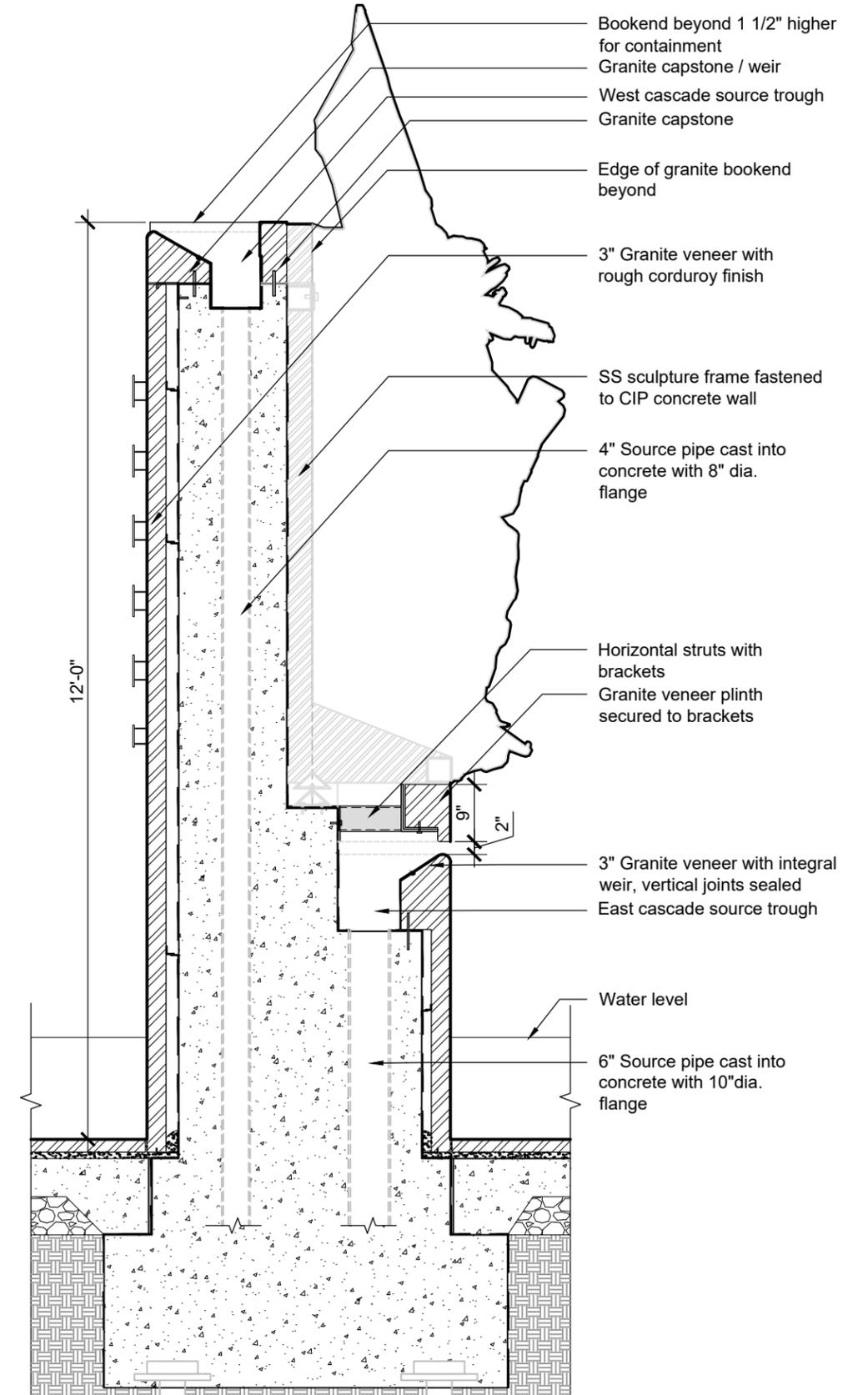
**CAST ANODIZED
ALUMINUM LETTERS
(DARK BRONZE
FINISH)**



**BRONZE
(HAND WORKED WITH
DARK PATINA)**



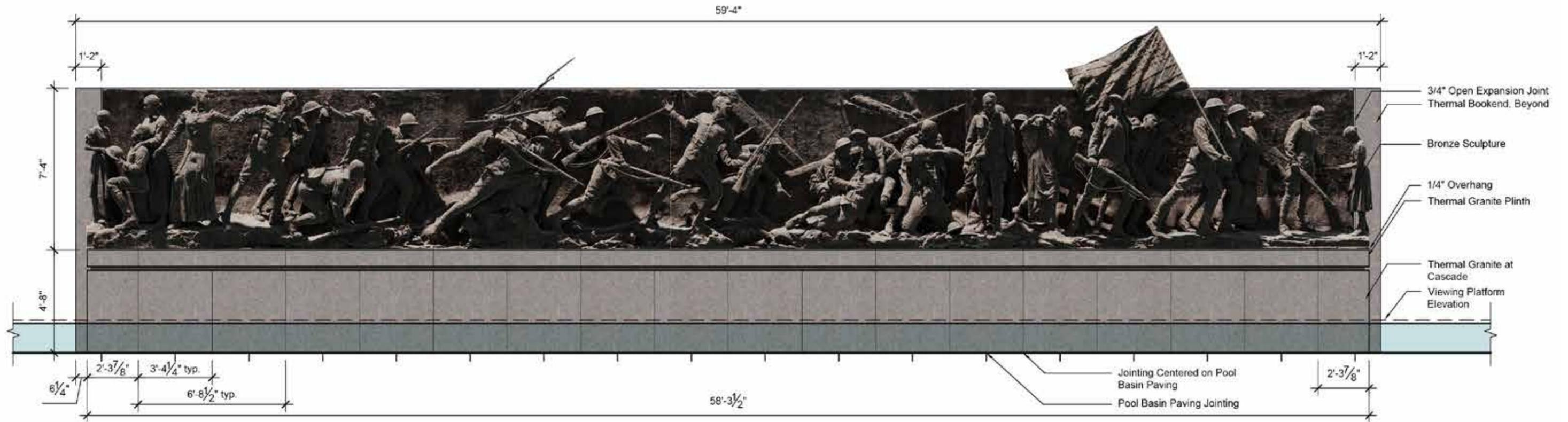
SOUTH END ELEVATION



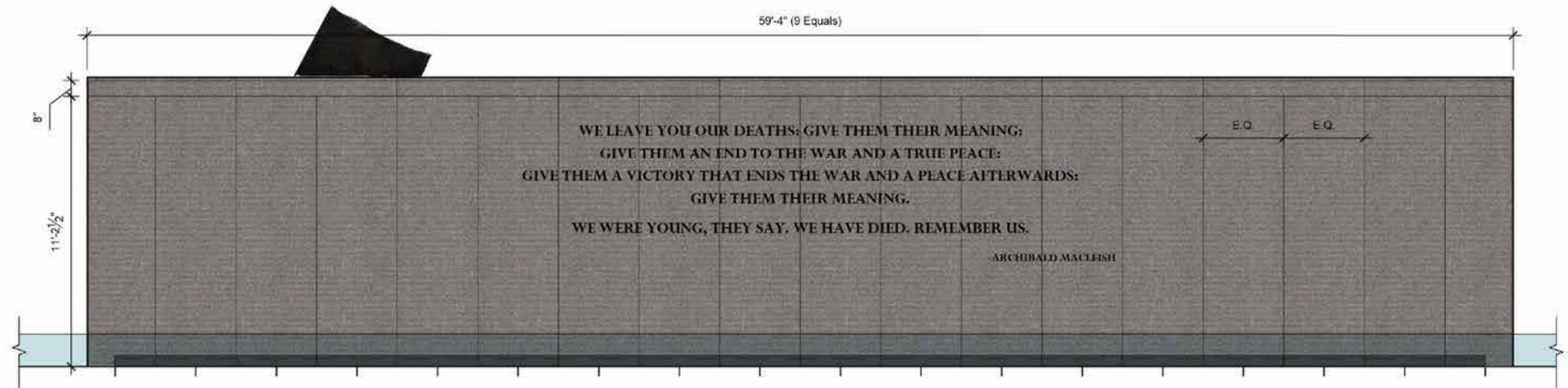
DETAIL SECTION

1ST TIER COMMEMORATIVE FEATURES

SCULPTURE FOUNTAIN: DETAILING AND MATERIALS



EAST ELEVATION



WEST ELEVATION

2ND TIER COMMEMORATIVE FEATURES

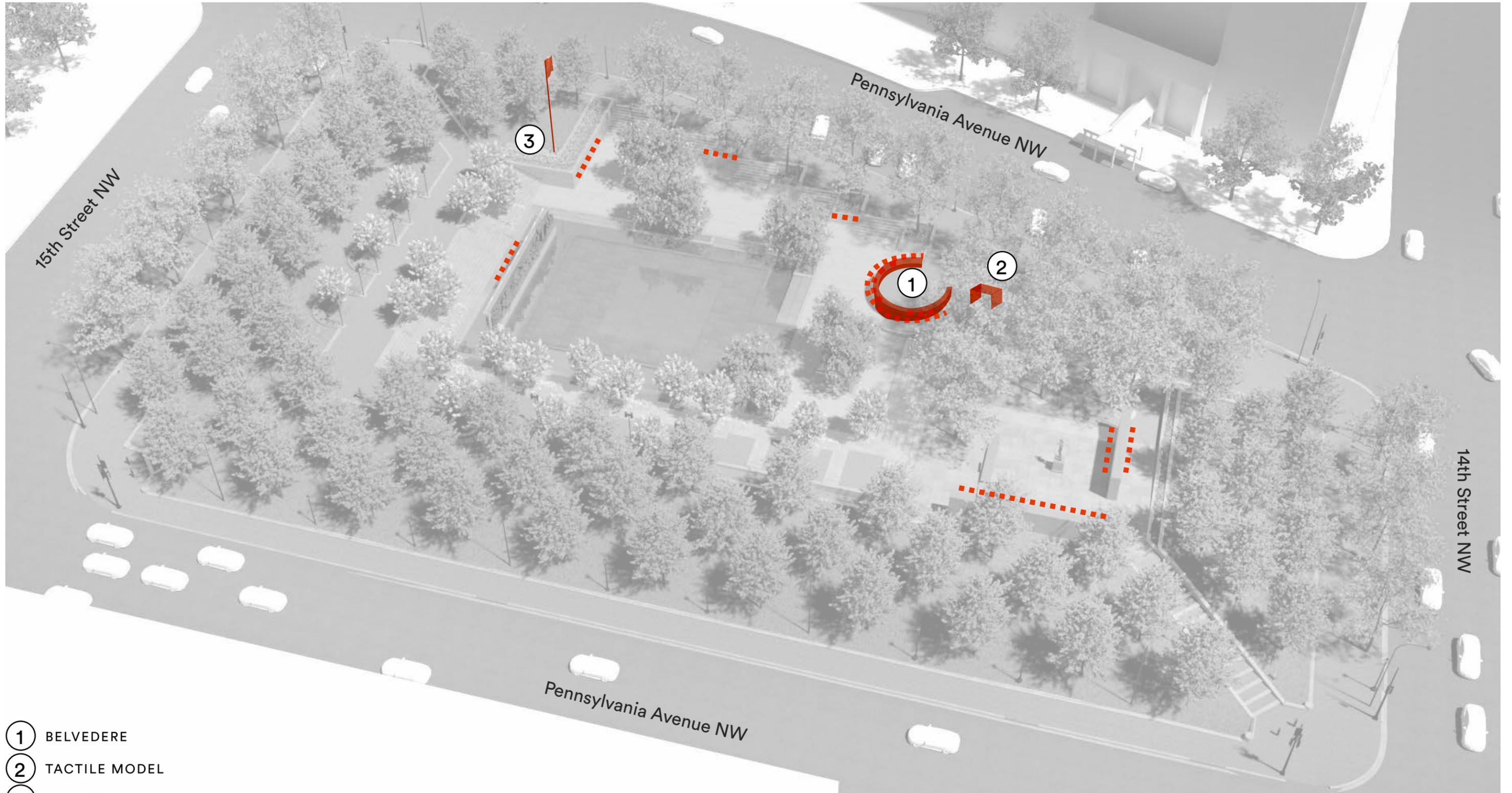
BELVEDERE

TACTILE MODEL

INSCRIPTIONS

FLAGSTAFF

2ND TIER COMMEMORATIVE FEATURES



- ① BELVEDERE
- ② TACTILE MODEL
- ③ FLAGSTAFF
- — — — INSCRIPTIONS

2ND TIER COMMEMORATIVE FEATURES

BELVEDERE



CAMBRAI - SOMME DEFENSIVE - LYS - AISNE - MONTDIDIER-NOYON - CHAMPAGNE-MARNE - AISNE-MARNE - SOMME OFFENSIVE - OISE-AISNE - YPRES-LYS - ST MIHIEL - MEUSE-ARGONNE - VITTORIO VENETO - SIBERIA - NORTH RUSSIA - ATLANTIC CONVOYS - WESTERN ATLANTIC - NORTH SEA - MEDITERRANEAN

2ND TIER COMMEMORATIVE FEATURES

BELVEDERE



PRECEDENT - THE EXTRA MILE NATIONAL MONUMENT, WASHINGTON D.C.

2ND TIER COMMEMORATIVE FEATURES

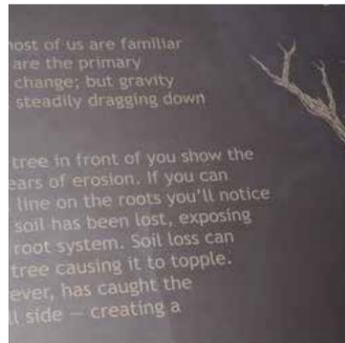
BELVEDERE: DETAILING AND MATERIALS



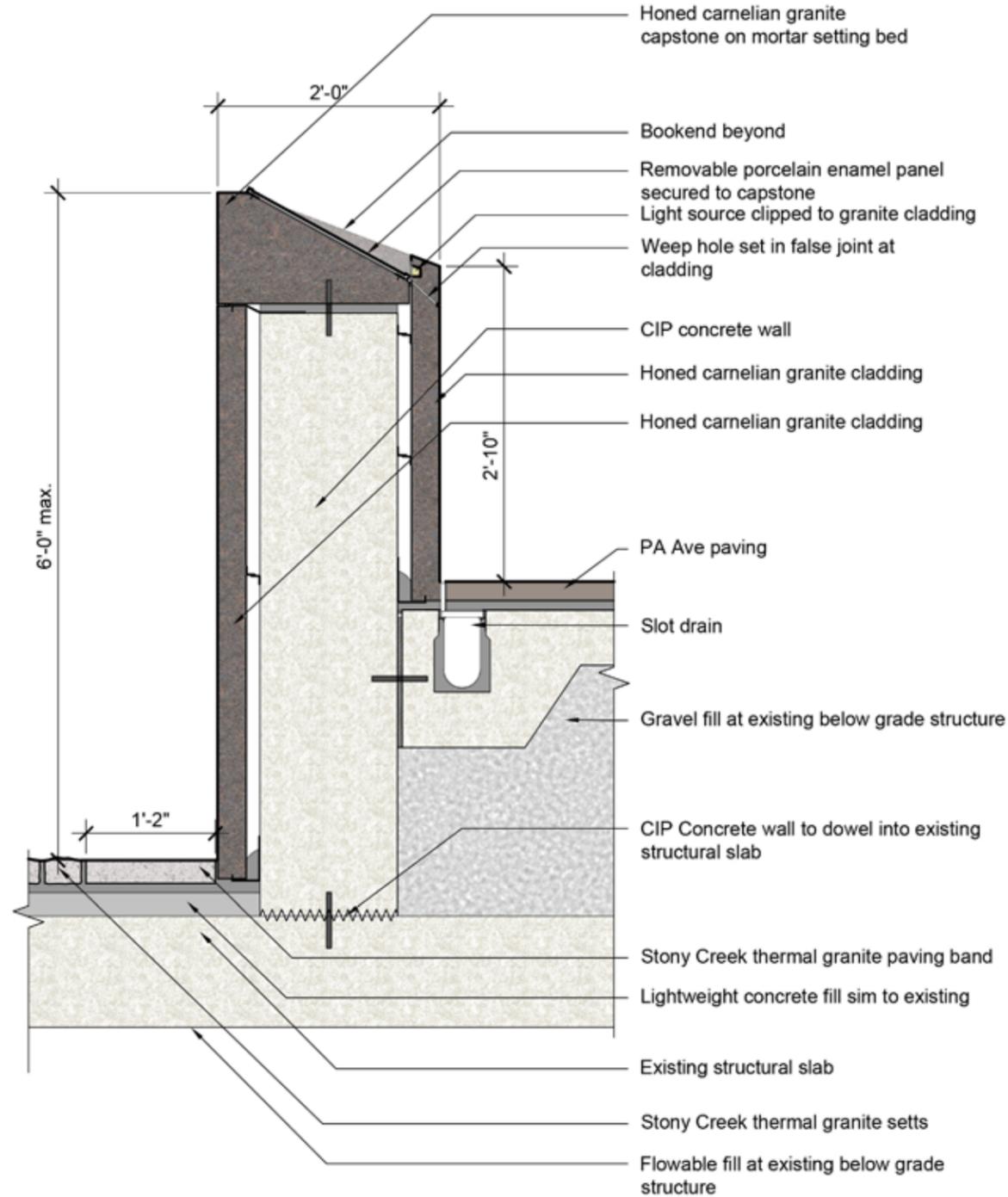
**CARNELIAN GRANITE
(HONED FINISH)**



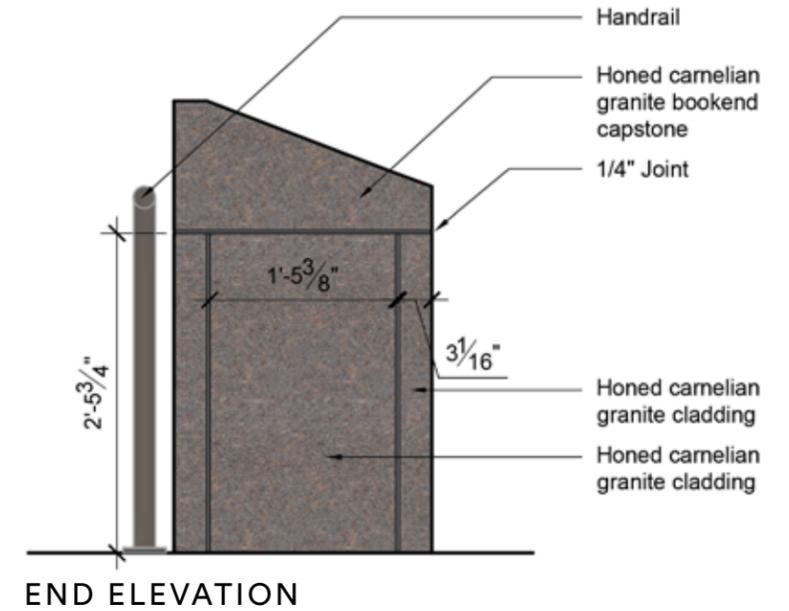
**ANODIZED
ALUMINUM
(MEDIUM BRONZE
FINISH)**



**PORCELAIN ENAMEL
(DARK GRAY
BACKGROUND WITH
LIGHT TEXT)**



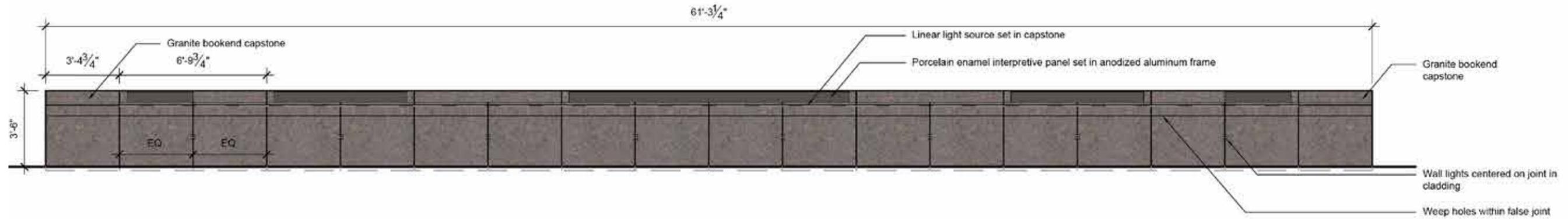
DETAIL SECTION AT INTERPRETIVE PANEL



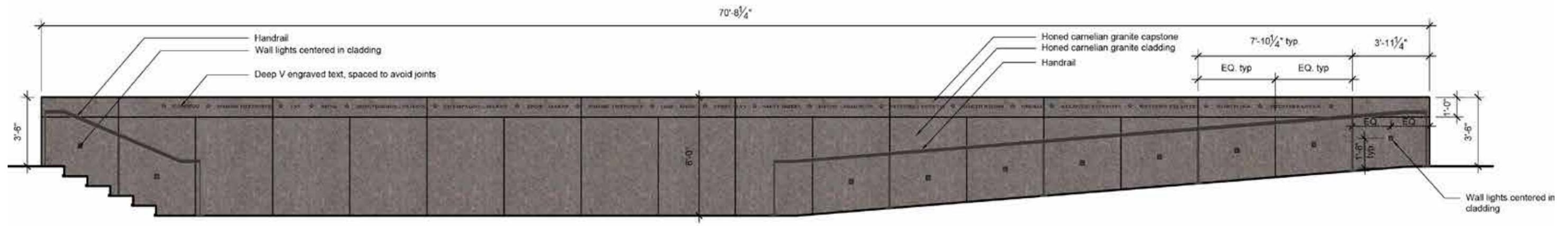
END ELEVATION

2ND TIER COMMEMORATIVE FEATURES

BELVEDERE: DETAILING AND MATERIALS



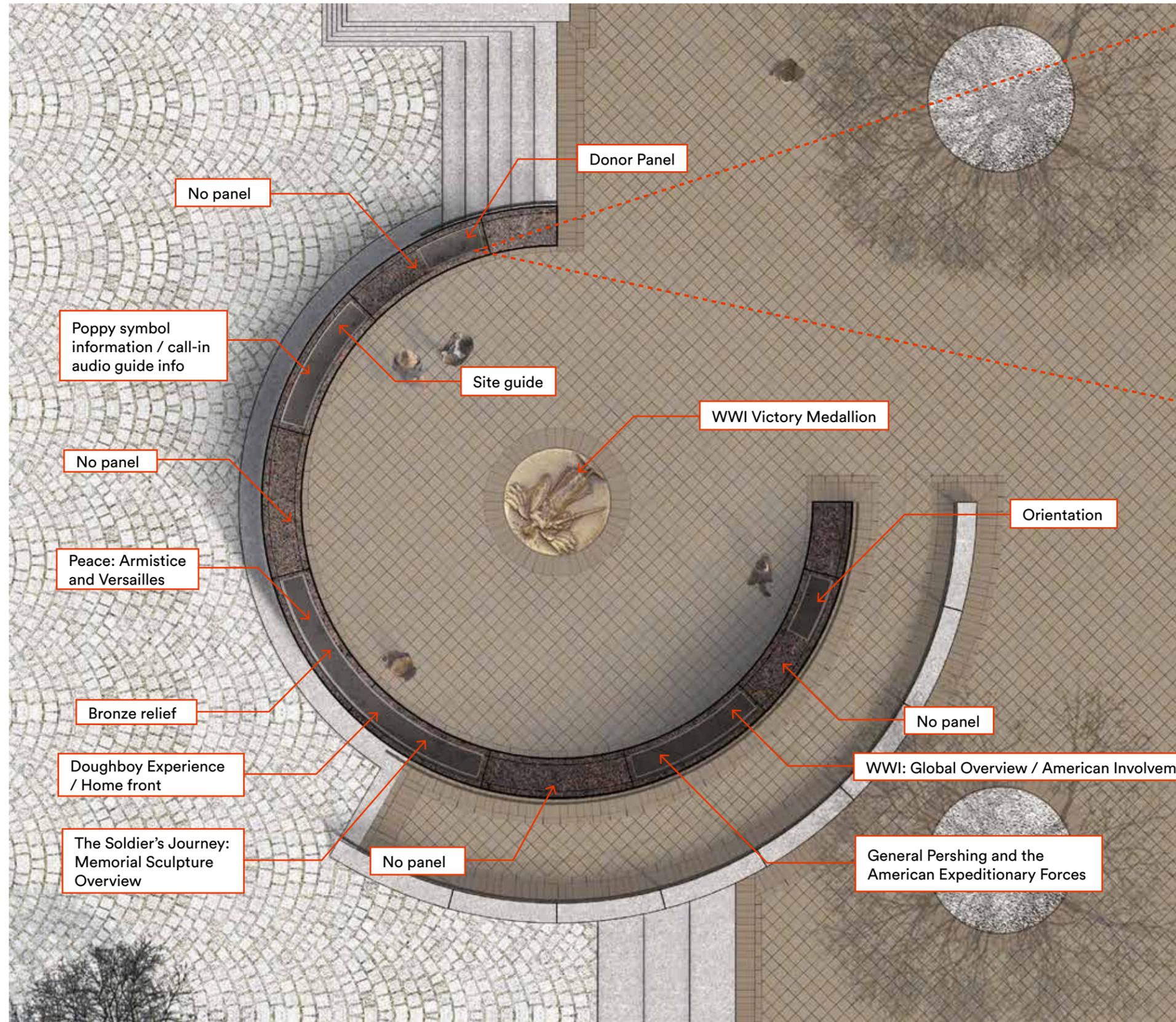
INTERIOR UNFOLDED ELEVATION



EXTERIOR UNFOLDED ELEVATION

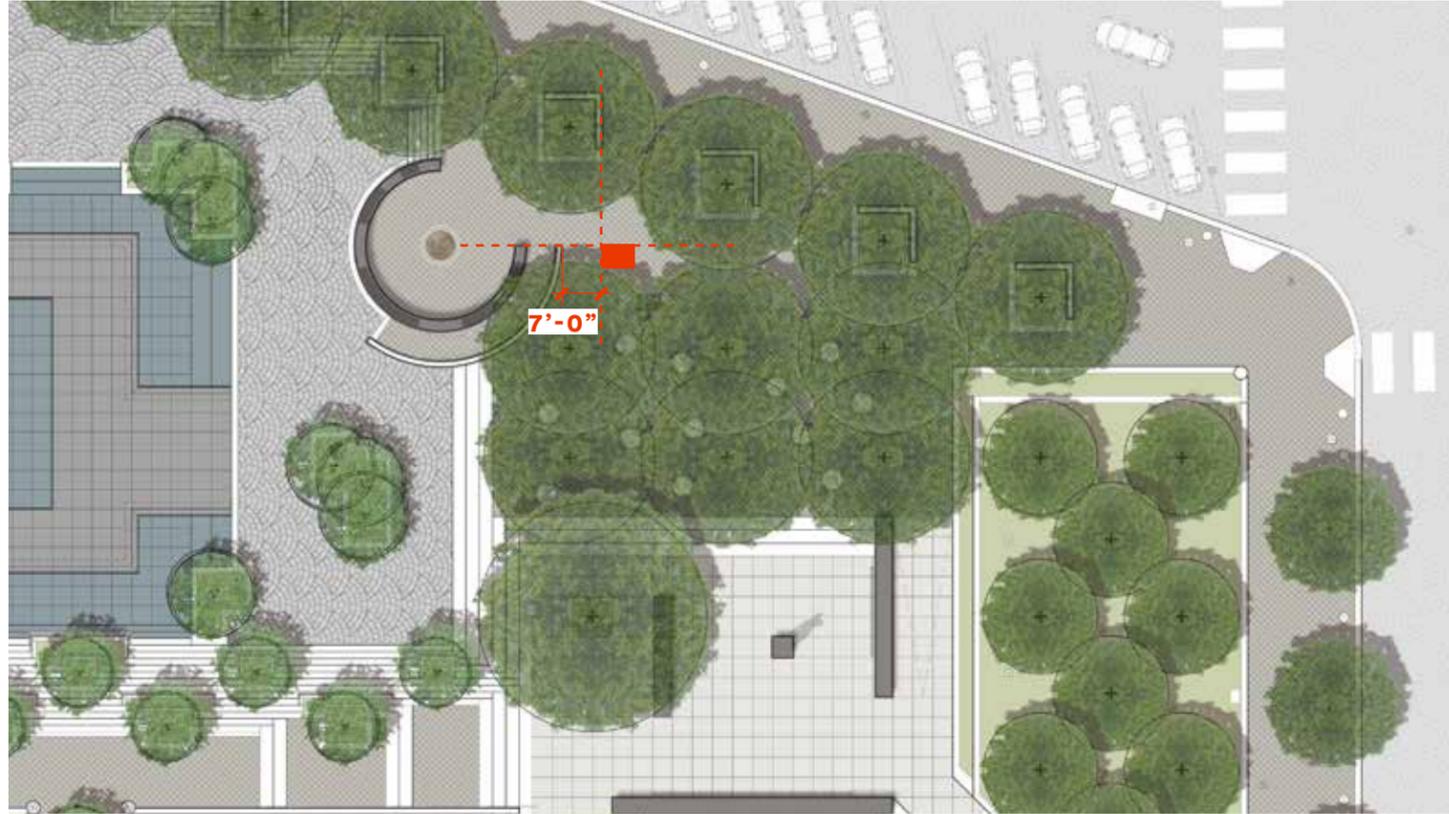
2ND TIER COMMEMORATIVE FEATURES

BELVEDERE: DETAILING AND MATERIALS



DONOR PANEL

2ND TIER COMMEMORATIVE FEATURES TACTILE MODEL



2ND TIER COMMEMORATIVE FEATURES

TACTILE MODEL: DETAILING AND MATERIALS



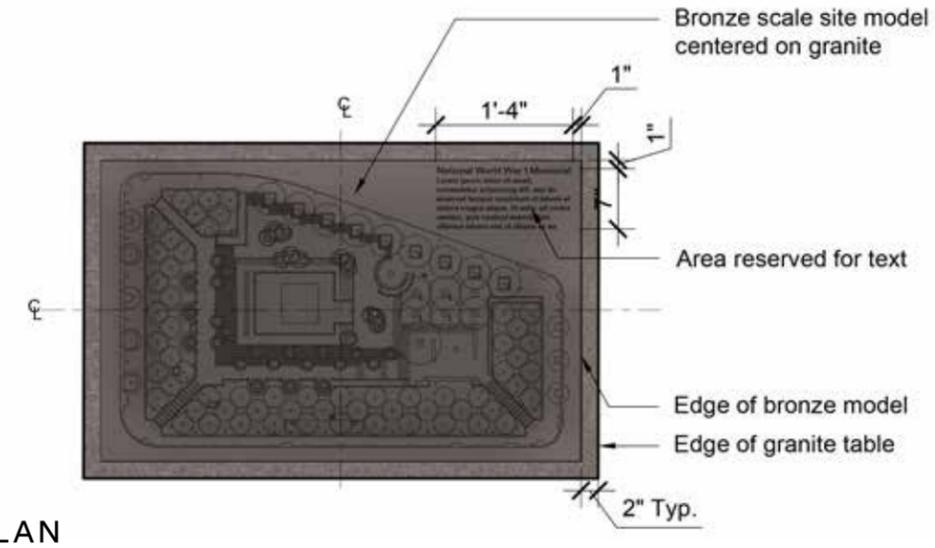
**CARNELIAN GRANITE
(HONED FINISH)**



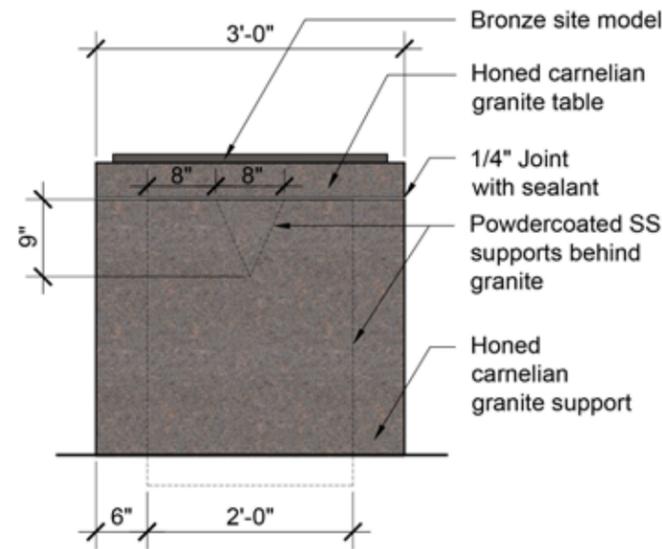
**STAINLESS STEEL
(POWDERCOAT
FINISH TO MATCH
EXISTING SITE
LIGHTING - RAL 7022)**



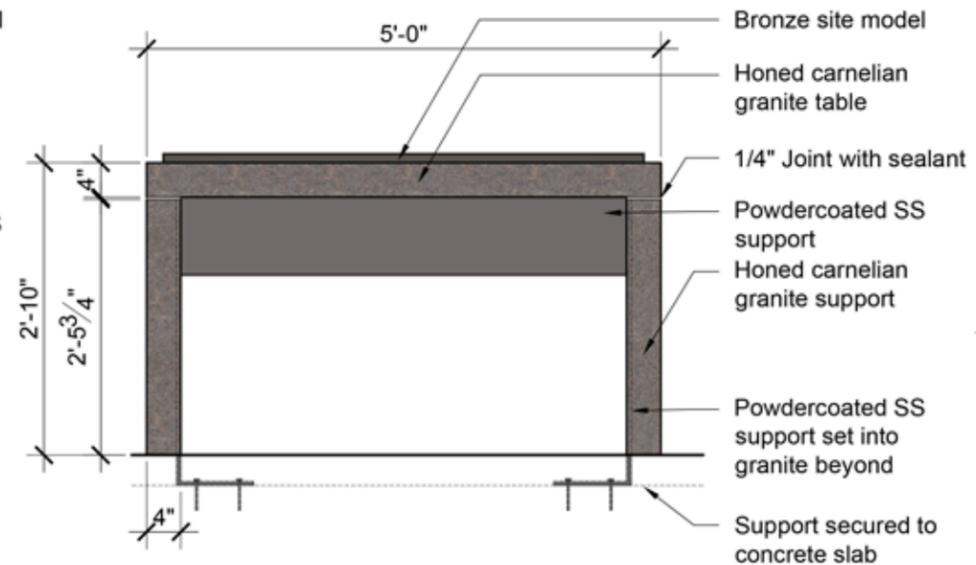
**CAST BRONZE
(PATINA TO MATCH
SCULPTURE)**



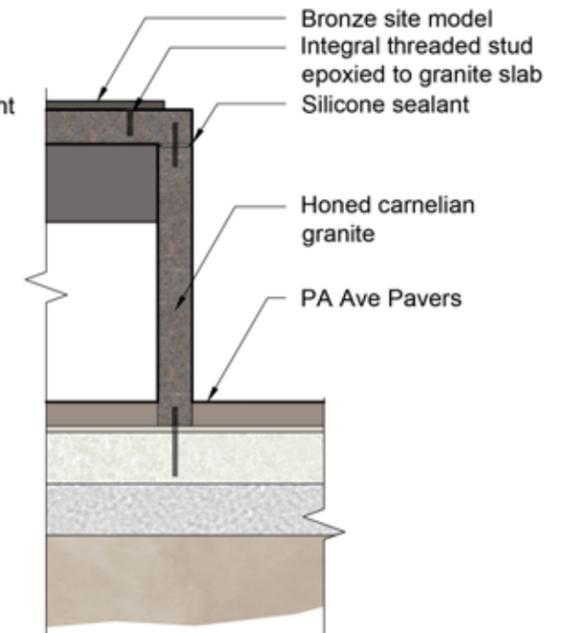
PLAN



END ELEVATION



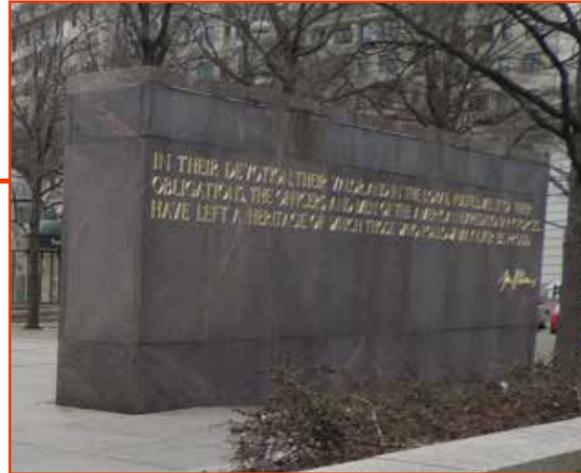
SIDE ELEVATION



END SECTION DETAIL

2ND TIER COMMEMORATIVE FEATURES

INSCRIPTIONS: EXISTING PERSHING MEMORIAL



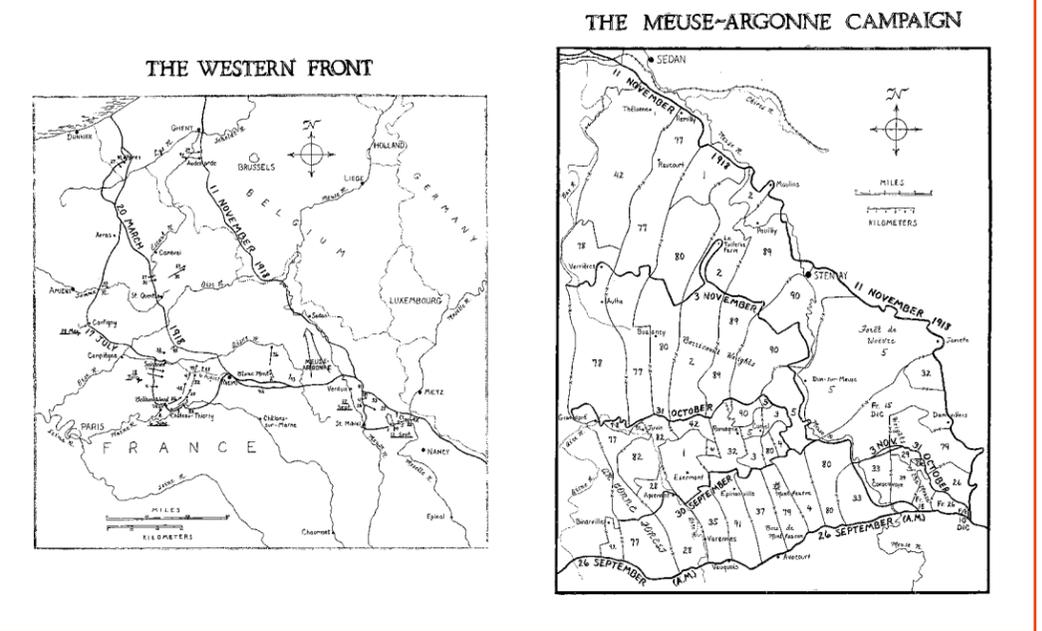
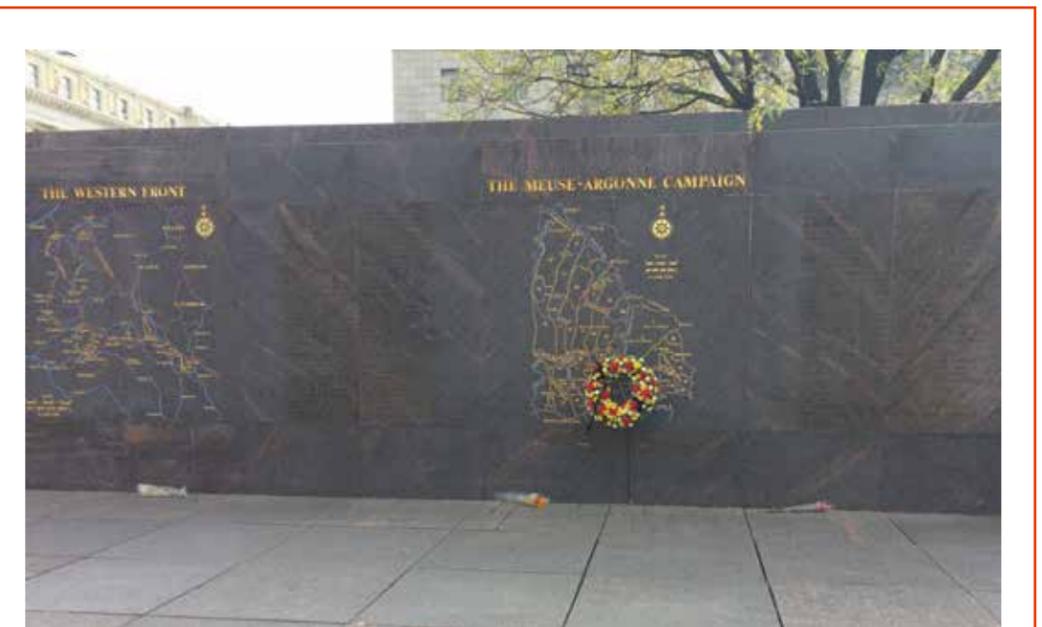
WEST FACE

JOHN J. PERSHING
GENERAL OF THE ARMIES

EAST FACE

IN THEIR DEVOTION, THEIR VALOR, AND IN THE LOYAL FULFILLMENT OF THEIR OBLIGATIONS, THE OFFICERS AND MEN OF THE AMERICAN EXPEDITIONARY FORCES HAVE LEFT A HERITAGE OF WHICH THOSE WHO FOLLOW MAY EVER BE PROUD.

- General Pershing



For south Pershing Wall text, see appendix

2ND TIER COMMEMORATIVE FEATURES

INSCRIPTIONS: PEACE FOUNTAIN



Search for Peace Quotation Content:

WE LEAVE YOU OUR DEATHS: GIVE THEM THEIR MEANING:
GIVE THEM AN END TO THE WAR AND A TRUE PEACE:
GIVE THEM A VICTORY THAT ENDS WAR AND A PEACE AFTERWARDS:
GIVE THEM THEIR MEANING.

WE WERE YOUNG, THEY SAY. WE HAVE DIED. REMEMBER US.

- ARCHIBALD MACLEISH

2ND TIER COMMEMORATIVE FEATURES

INSCRIPTIONS: NORTH BERM



Every Man Quotation Content:

NEVER BEFORE HAVE MEN CROSSED THE SEAS TO A FOREIGN LAND
TO FIGHT FOR A CAUSE WHICH THEY DID NOT PRETEND WAS PECULIARLY THEIR OWN,
BUT KNEW WAS THE CAUSE OF HUMANITY AND OF MANKIND.

- PRESIDENT WOODROW WILSON

2ND TIER COMMEMORATIVE FEATURES

INSCRIPTIONS: PA AVE PLANTERS



2ND TIER COMMEMORATIVE FEATURES FLAGSTAFF

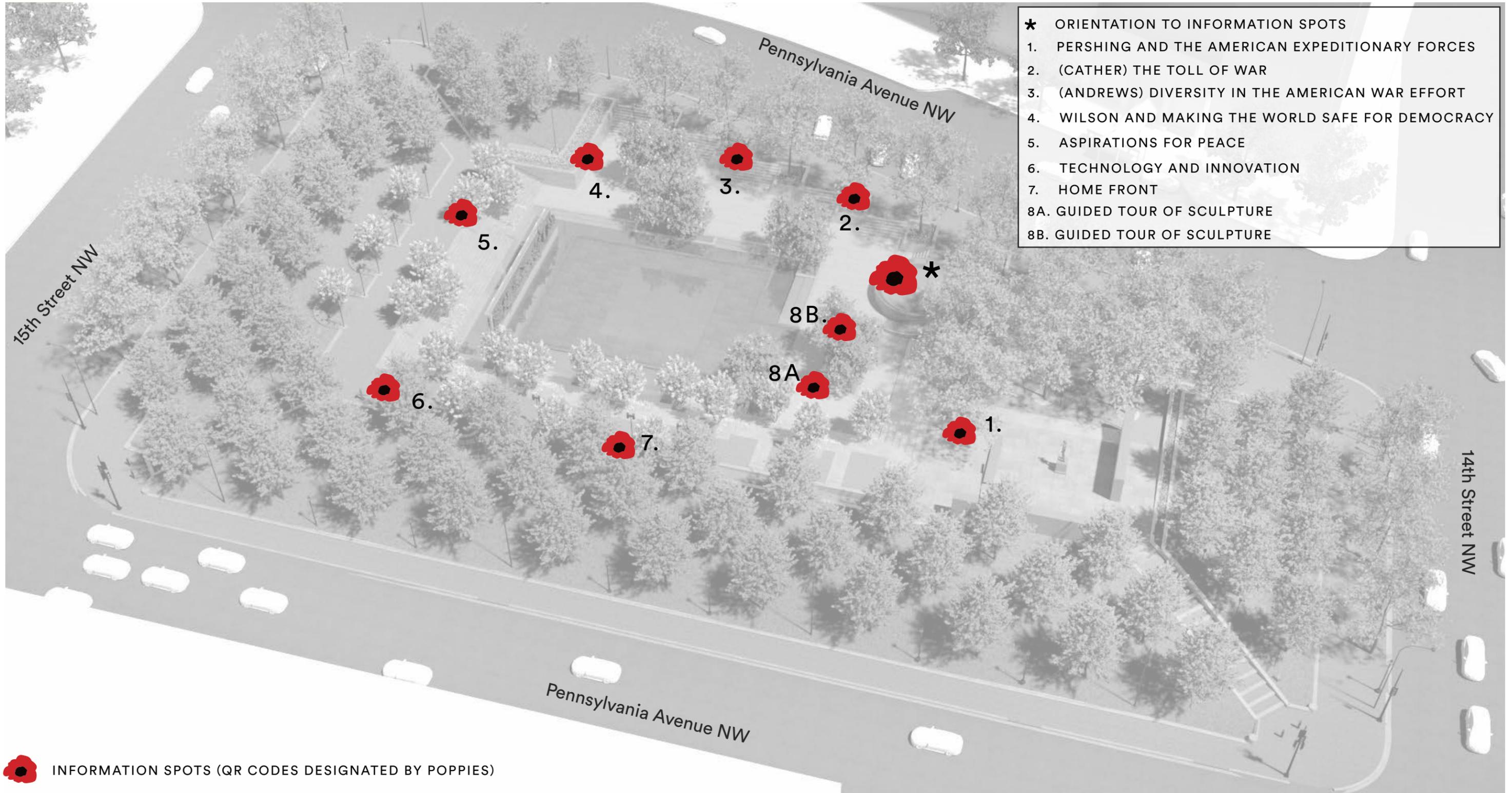


For font, scale and layout see appendix

3RD TIER COMMEMORATIVE FEATURES

INFORMATION POPPIES

3RD TIER COMMEMORATIVE FEATURES

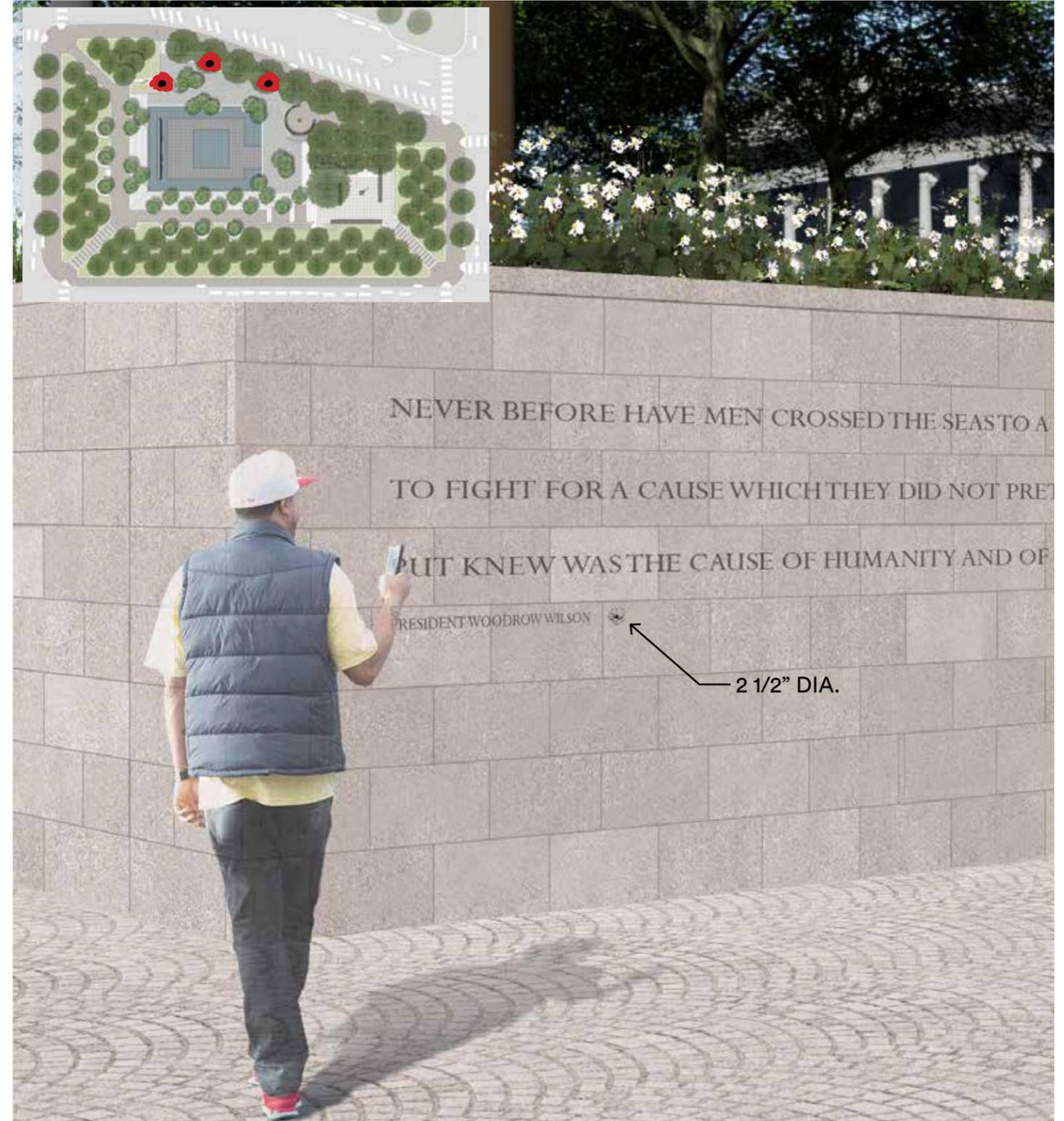


3RD TIER COMMEMORATIVE FEATURES

INFORMATION POPPIES



Anodized aluminum poppy medallion secured to anodized aluminum post set in planting (medium bronze finish)



Poppy medallion engraved into stone on stone clad walls and planter terraces

SUPPORTING ELEMENTS

VIEWING PLATFORM

ADA ACCESSIBILITY IMPROVEMENTS

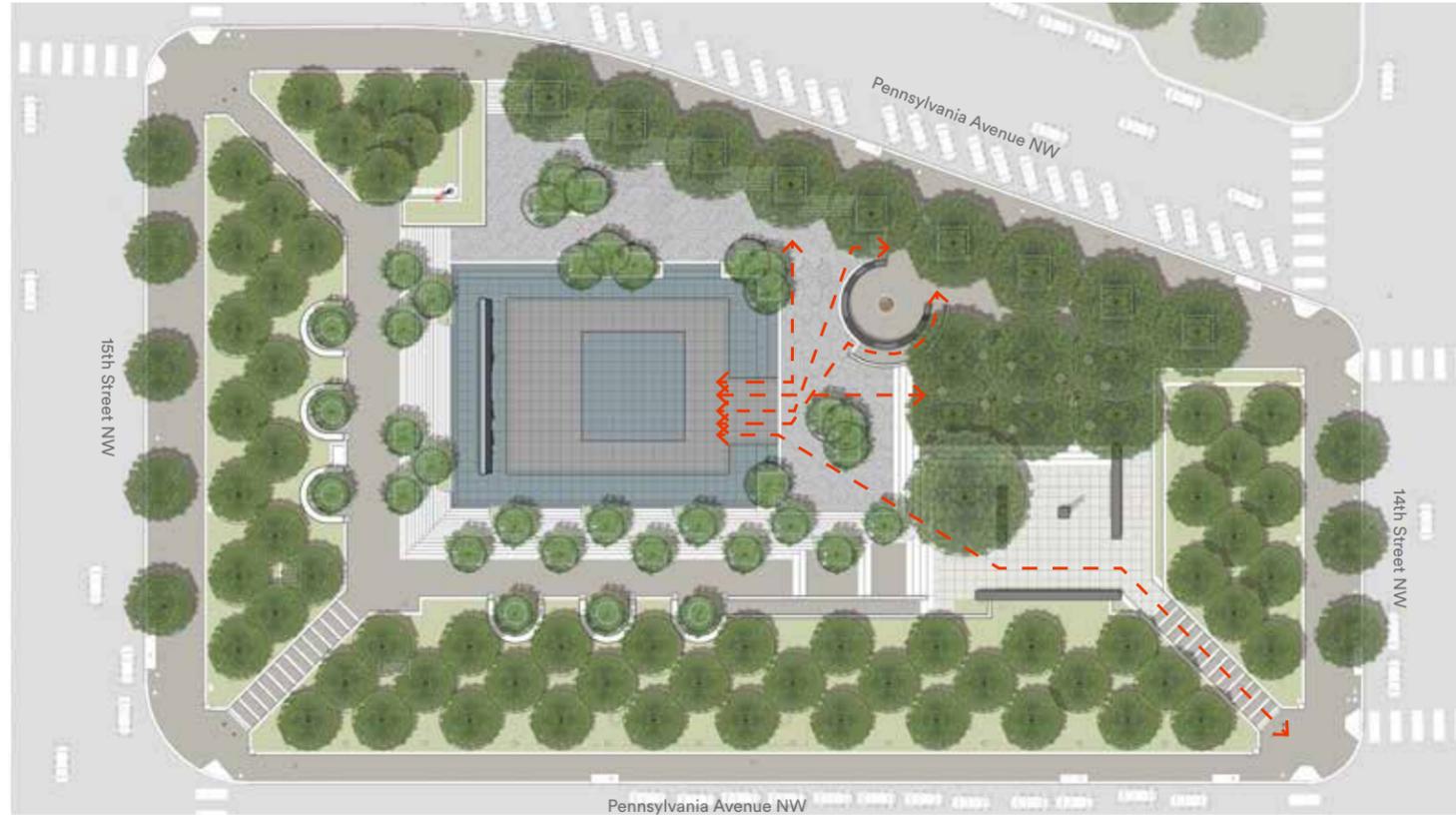
PARK HISTORY WAYSIDE

LIGHTING

ENTRY SIGNAGE AND SITE SECURITY MEASURES

SUPPORTING ELEMENTS

VIEWING PLATFORM



SUPPORTING ELEMENTS

VIEWING PLATFORM: DETAILING AND MATERIALITY



**ACADEMY BLACK GRANITE
(THERMAL FINISH)
WALKWAY AND CURB**

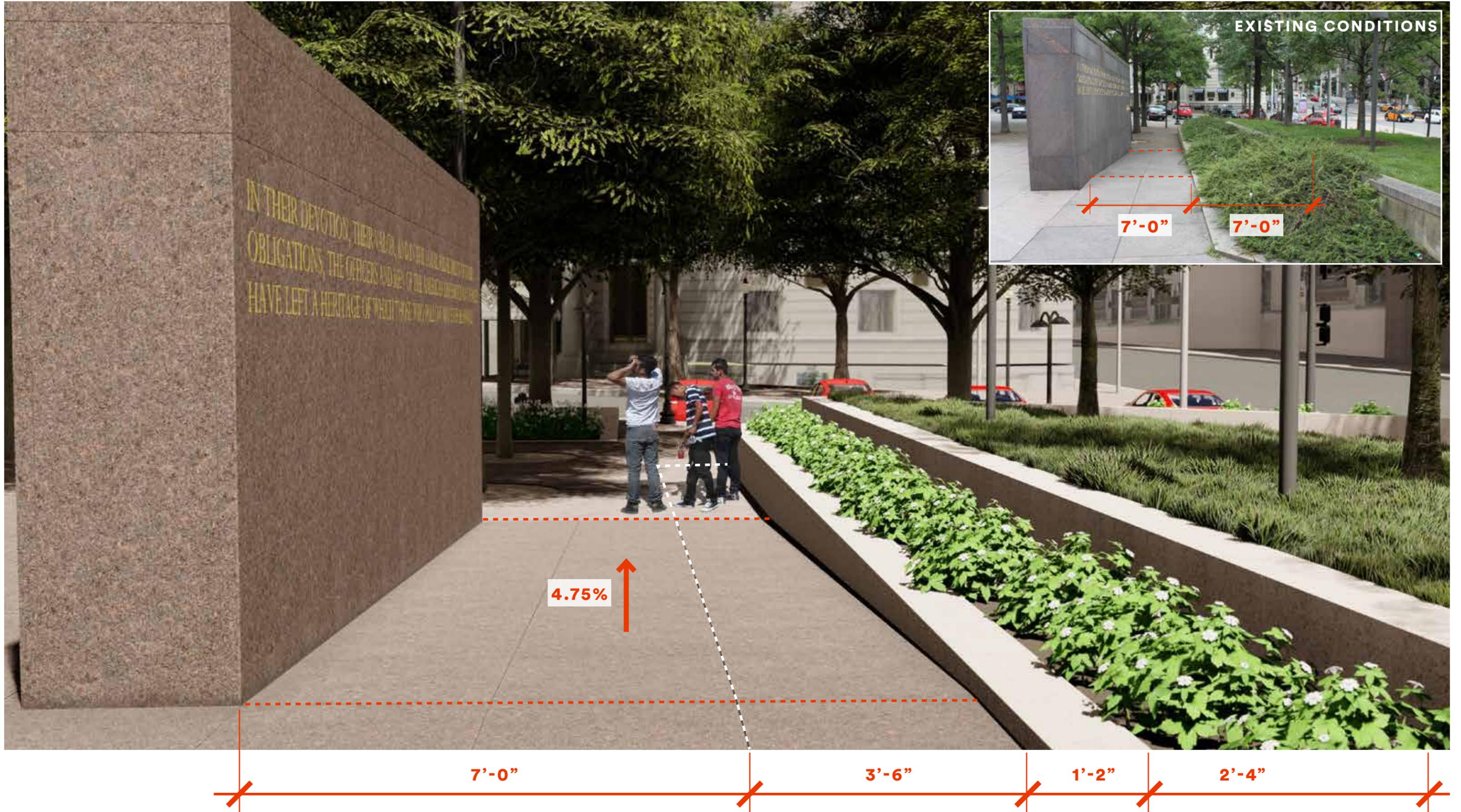


**COLDSRING BLACK GRANITE
(THERMAL FINISH)
SCRIM AND POOL BASIN**



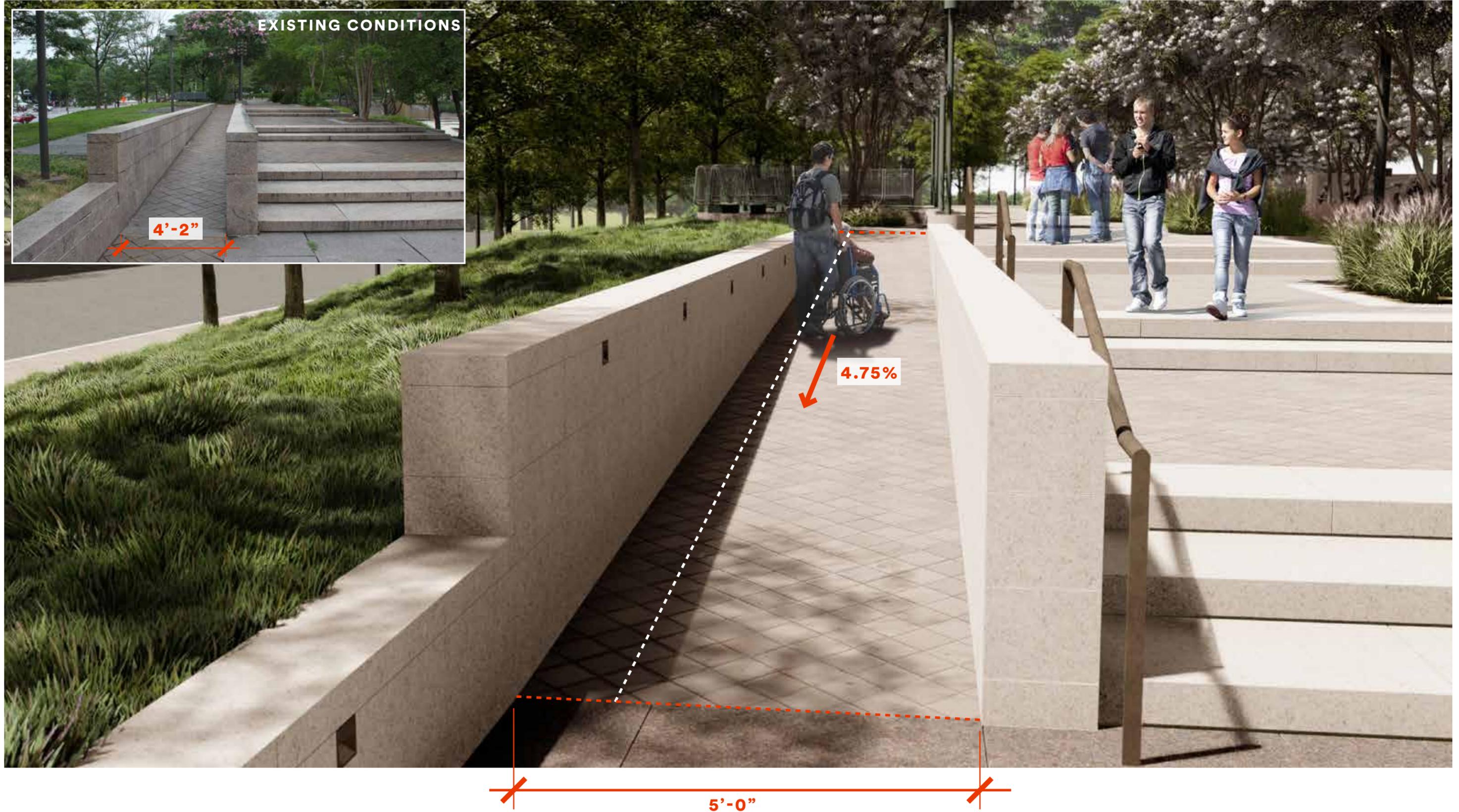
SUPPORTING ELEMENTS

ACCESS IMPROVEMENTS: EAST SLOPED WALK



SUPPORTING ELEMENTS

ACCESS IMPROVEMENTS: SOUTH SLOPED WALK



SUPPORTING ELEMENTS

ACCESS IMPROVEMENTS: SITE HANDRAILS

Missing handrails on site are to be reinstated to support accessible movement across the site. All proposed handrails are anodized aluminum with a medium bronze finish.



SUPPORTING ELEMENTS

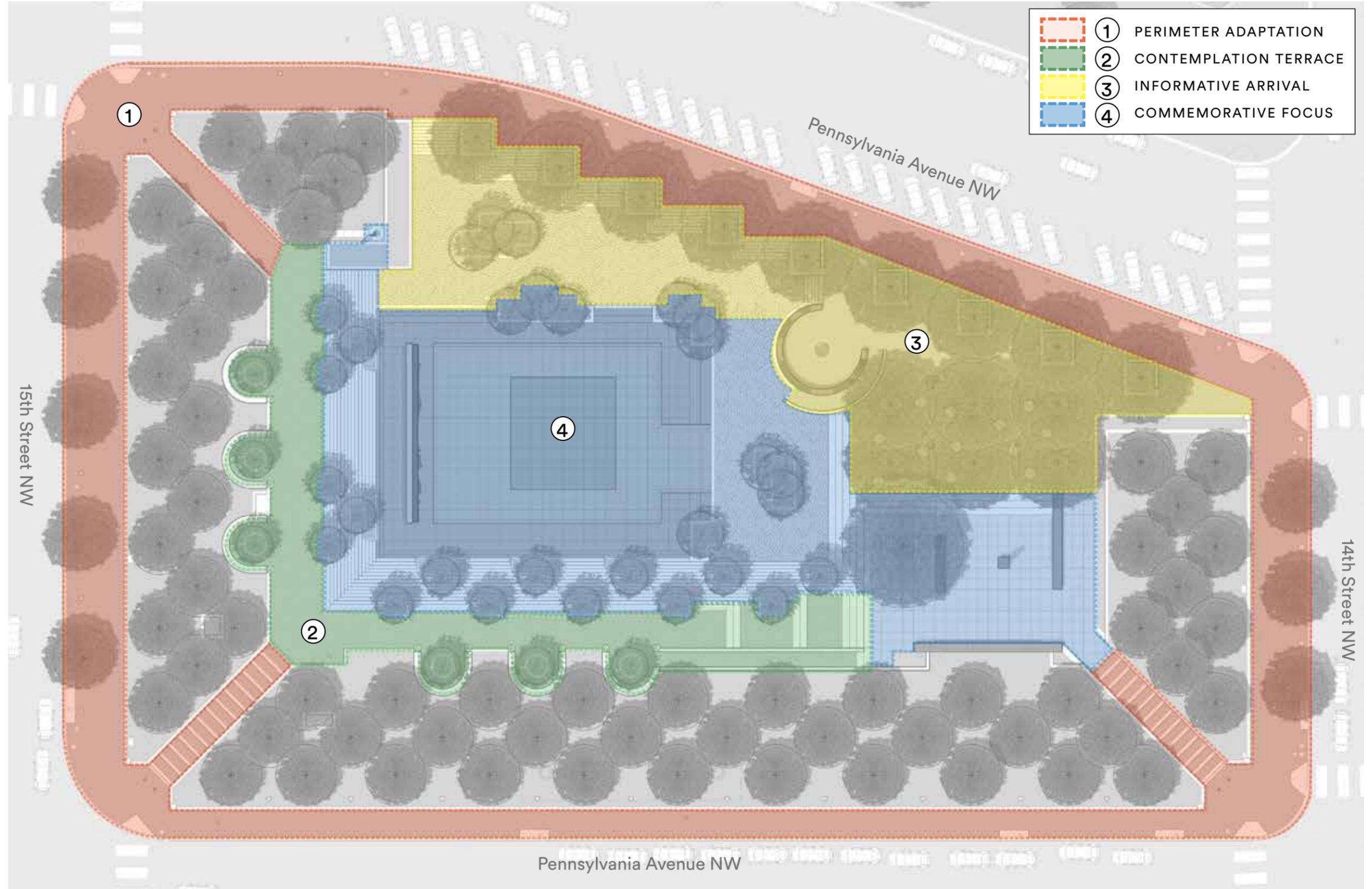
PARK HISTORY WAYSIDE



SUPPORTING ELEMENTS

LIGHTING: STRATEGY

Visitors filter into the park through layers and zones of light which adapt the visitor from the surrounding brightly lit urban context to the more quietly lit landscape. Within this soft landscape lighting are the commemorative elements (both existing and proposed) which emerge from the quiet park lighting with feature illumination, bringing the focus of the nighttime visitor onto the commemorative works.



Scale: 1" = 16'-0"
NORTH

SUPPORTING ELEMENTS

LIGHTING: PERIMETER ADAPTATION

Sidewalk and street lighting in this layer tie the site into the urban street grid allowing for a transition from the high brightness light levels of the city to the softer glow of the memorial park.

Washington Globe fixtures remain along the streetscapes and are added along the south and west edges of the park. Washington Globe fixtures with finials remain along PA Ave. Existing roadway fixtures remain with minor adjustments in location to reduce their impact on site entrances. Existing circulation fixtures are refurbished and utilized for general site lighting.



EXISTING CIRCULATION FIXTURES



WASHINGTON GLOBE



WASHINGTON GLOBE WITH FINIAL



EXISTING ROADWAY COBRA POLES



SUPPORTING ELEMENTS

LIGHTING: CONTEMPLATION TERRACE

This zone of lower brightness carries visitors into the site while shielding the commemorative works from the adjacent urban glare.

The Simes Double Slot fixtures at the roundels provide downward focused path lighting while continuing the existing spatial organization previously provided by the multi globe fixtures. Wall lights along the sloped walk illuminate the accessible routes through the site.



SIMES DOUBLE SLOT POLE



LUCIFER STEALTH WALL MOUNTED STEP LIGHTS



SUPPORTING ELEMENTS

LIGHTING: INFORMATIVE ARRIVAL

This layer functions similarly to the contemplation terrace as a step down in brightness from the perimeter to pull visitors into the Grove, Belvedere, and Lower Plaza areas of the site.

Existing PADC fixtures remain along the PA Ave edge of the site. Circulation fixtures are added within the grove and throughout the lower plaza planters to provide sufficient light levels. Wall lights at the belvedere interior draw visitors into the interpretive hinge where linear strip lighting illuminates the interpretive panel array. Wall lights at the exterior provide illumination for the adjacent stair and ramps.



PADC FIXTURES



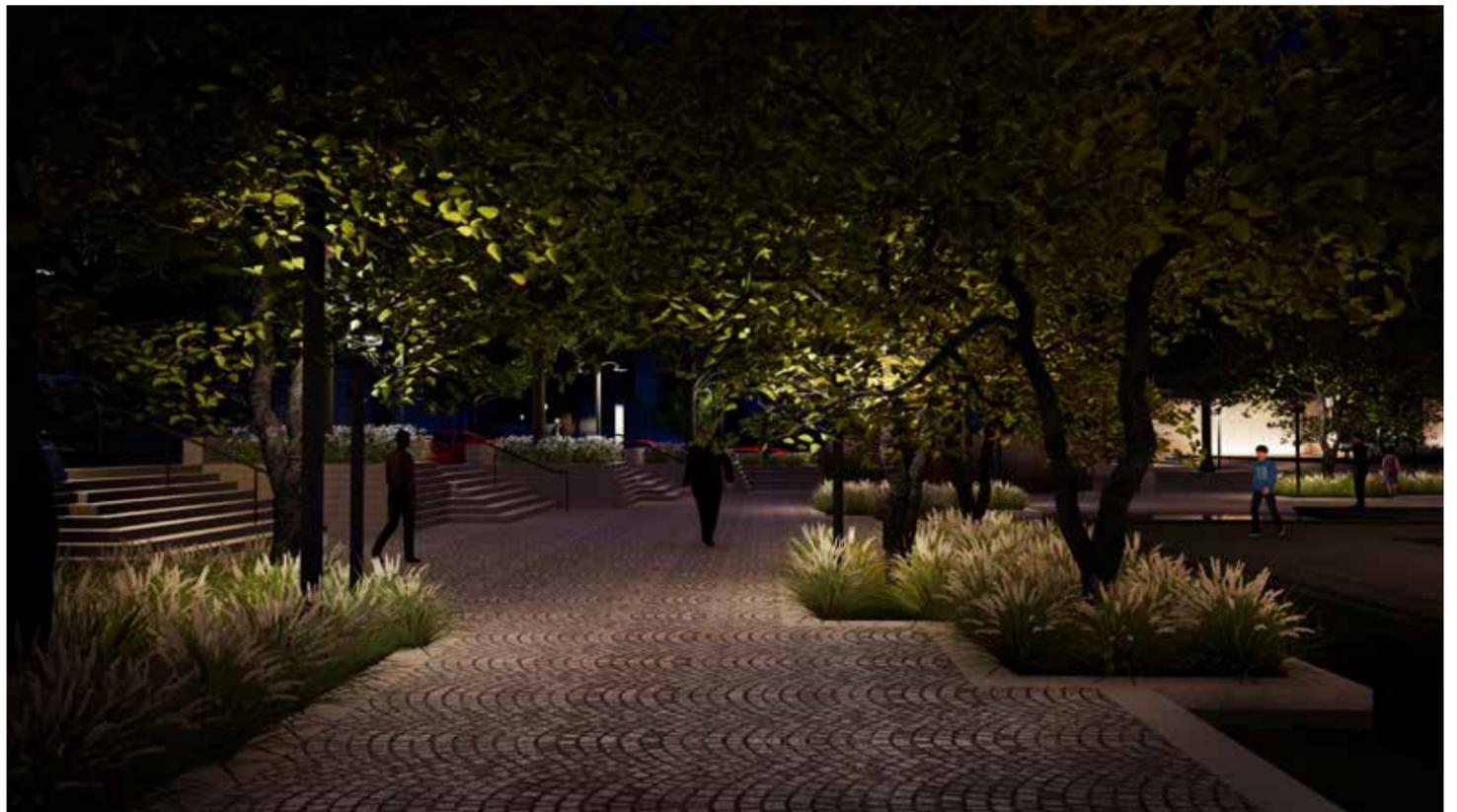
EXISTING CIRCULATION FIXTURES



LUCIFER STEALTH WALL MOUNTED STEP LIGHTS



FLEXIBLE LINEAR STRIP LIGHTING



SUPPORTING ELEMENTS

LIGHTING: COMMEMORATIVE FOCUS

In this layer, the commemorative works emerge from the subtle park lighting to pull the focus of the visitor to the memorial elements while providing a contemplative atmosphere, fully sheltered from the surrounding city lights.

Two accent lighting poles provide focused lighting at strategic angles to illuminate the Soldier's Journey sculpture and provide depth through highlight and shadow. The northern pole is tucked within the lower plaza planter to minimize its impact upon the site and the southern pole is set along the upper terrace, centered on the planters. On the west face, at the Peace Fountain, a linear fixture is set below the water level to illuminate the cascading water. Two additional focus light fixtures add a highlight to the quote. At the Pershing memorial two accent lighting poles are set diagonally to the Pershing Statue to provide highlight and shadow upon his figure. Two linear in grade fixtures graze the existing walls allowing visitors to read the inscriptions during the evening hours. Linear strip lighting under the Pershing bench provides an inviting glow to the space. At the flagstaff, 4 uplights illuminate the flag above.



POLE ACCENT LIGHTS



CASCADE UPLIGHTING



CASCADE ACCENT LIGHTS



PERSHING WALL IN GRADE UPLIGHTS



UNDERBENCH LIGHTING



FLAGSTAFF UPLIGHTING



SUPPORTING ELEMENTS

LIGHTING: STRATEGY



SUPPORTING ELEMENTS

ENTRY SIGNAGE AND SECURITY MEASURES



SUPPORTING ELEMENTS

SECURITY MEASURES

- Continuation of the existing PA Avenue benches and planters
- Chevron form adds strength and can be designed with a deep footer to deter vehicles
- Works from a security standpoint to protect the grove from errant vehicles
- In character with the existing park
- Means of differentiating new planters requested by SHPO at June 11th meeting; stone has been textured to accommodate this request



SUPPORTING ELEMENTS

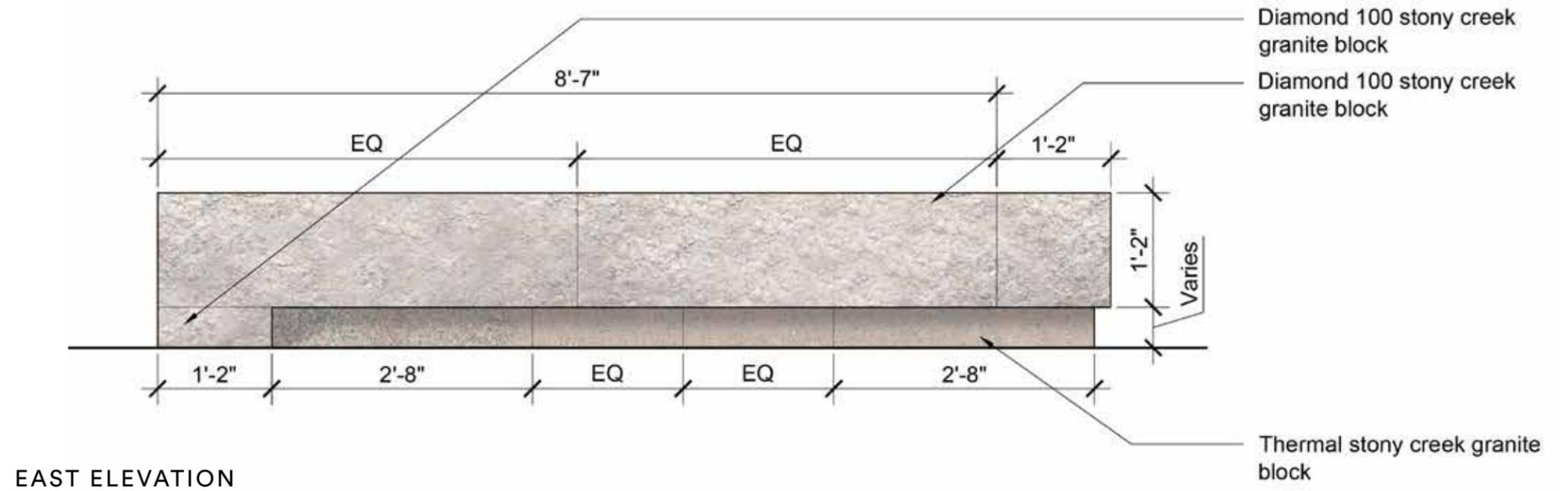
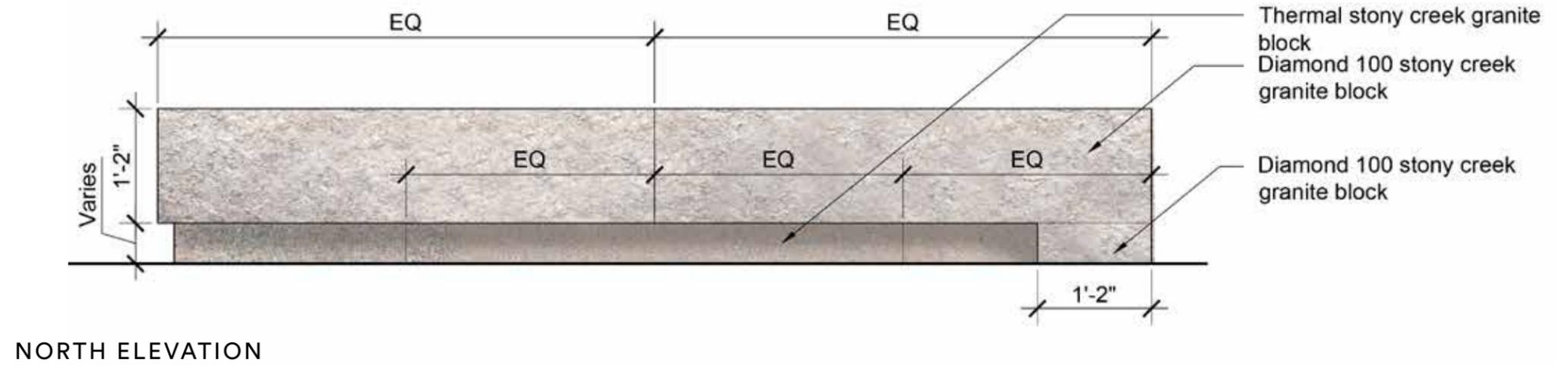
ENTRY SIGNAGE AND SECURITY MEASURES: DETAILING AND MATERIALITY



**STONY CREEK
(THERMAL FINISH)**



**STONY CREEK
(DIAMOND 100
FINISH)
ONLY OUTER FACE OF
BENCHES**



SUPPORTING ELEMENTS

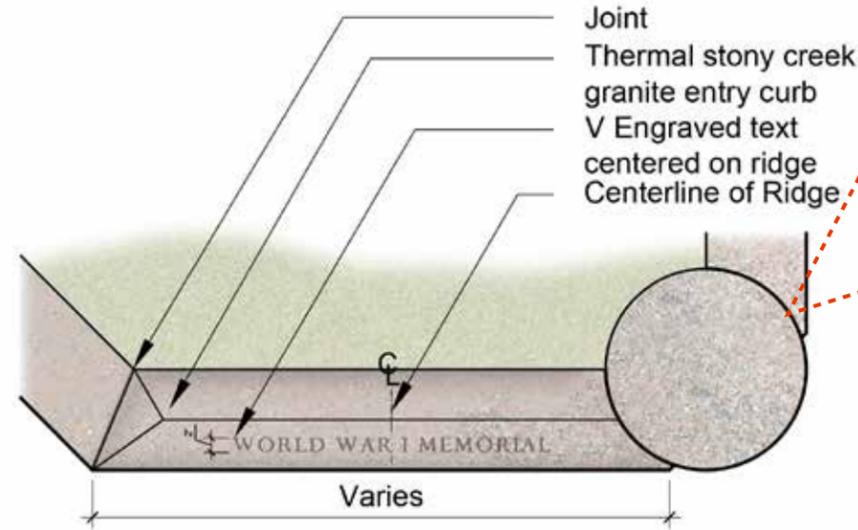
ENTRY SIGNAGE AND SECURITY MEASURES: DETAILING AND MATERIALITY



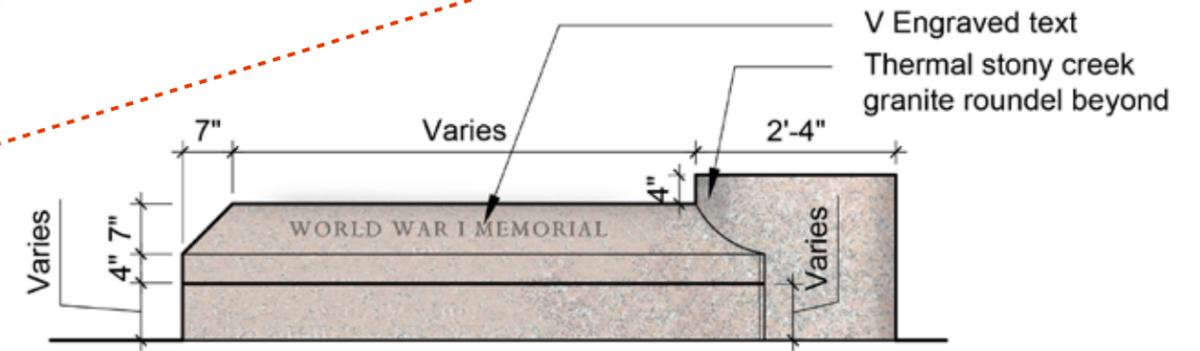
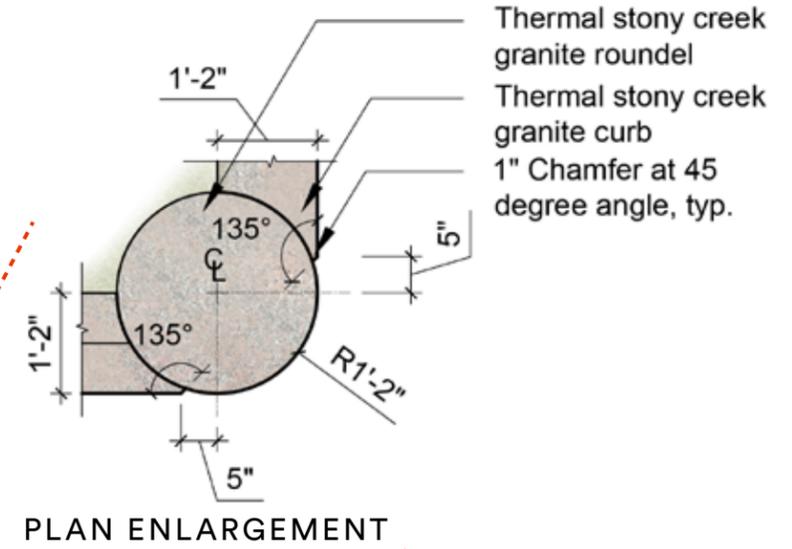
**STONY CREEK
(THERMAL FINISH)**



**2" DEEP V ENGRAVED
TEXT WITH MEDIUM
IN-PAINTED SHADOW**



PLAN - TYPICAL FOR NW, SW, SE CORNERS



ELEVATION - TYPICAL FOR NW, SW, SE CORNERS

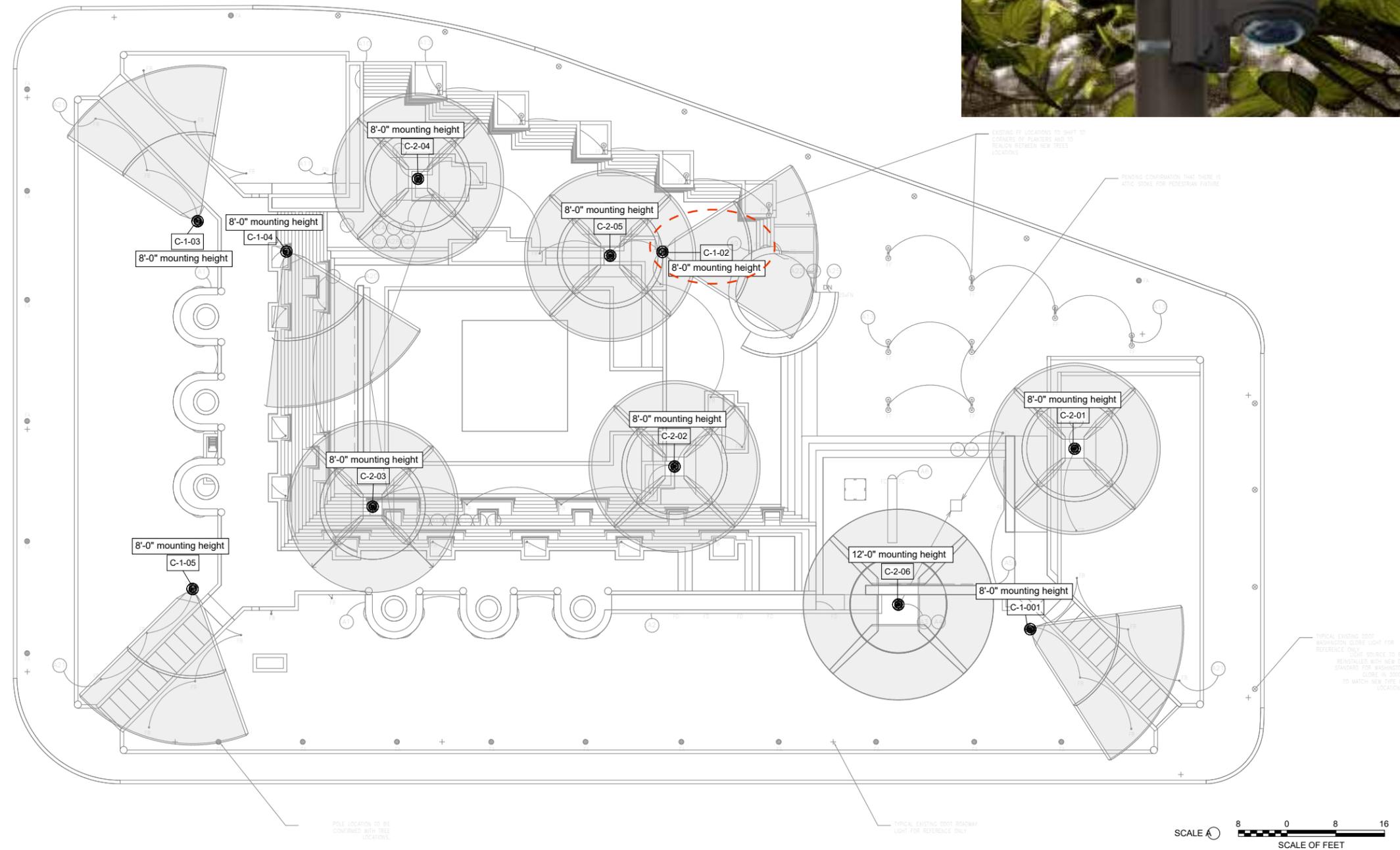


ELEVATION - NE CORNER

SITE SECURITY MEASURES - CAMERA LOCATIONS

TENTATIVE CAMERA LAYOUT

- Cameras to be located on existing light poles
- USPP have requested 11 cameras within the park for optimal surveillance



PLANTING

EXISTING CANOPY

PROPOSED CANOPY

UNDERSTORY

PLANTING

EXISTING CANOPY

Berm Trees:

Many have died as a result of poor soil quality and the dense spacing.

Lower Plaza Planters:

Trees are nearing the end of their standard lifespan and many are causing damage to the surrounding hardscape because of limited soil volumes.

Specimen Tree:

Missing

Terrace Planters:

Generally thriving, but causing damage to surrounding hardscape due to overcrowding and limited soil volumes.

PA Ave / Grove Trees:

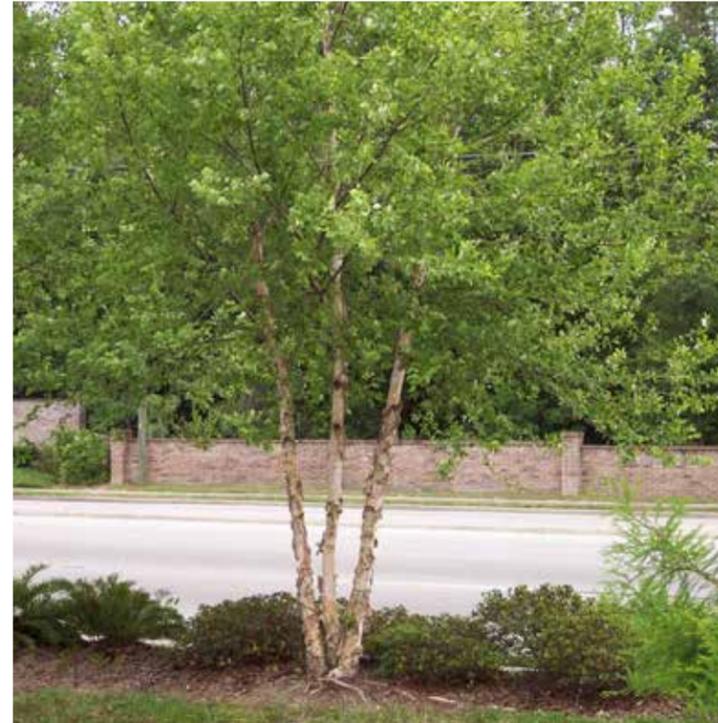
Mostly in poor health and causing damage to surrounding hardscape.

Street Trees:

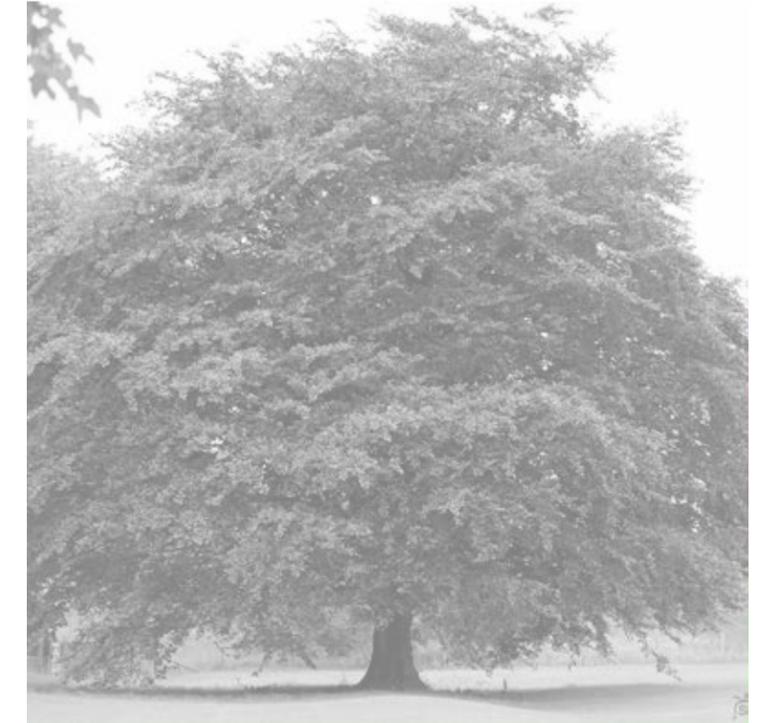
Generally in fair condition with one missing.



Berm Trees:
Thornless Honey Locust | *Gleditsia tricanthos*
inermis



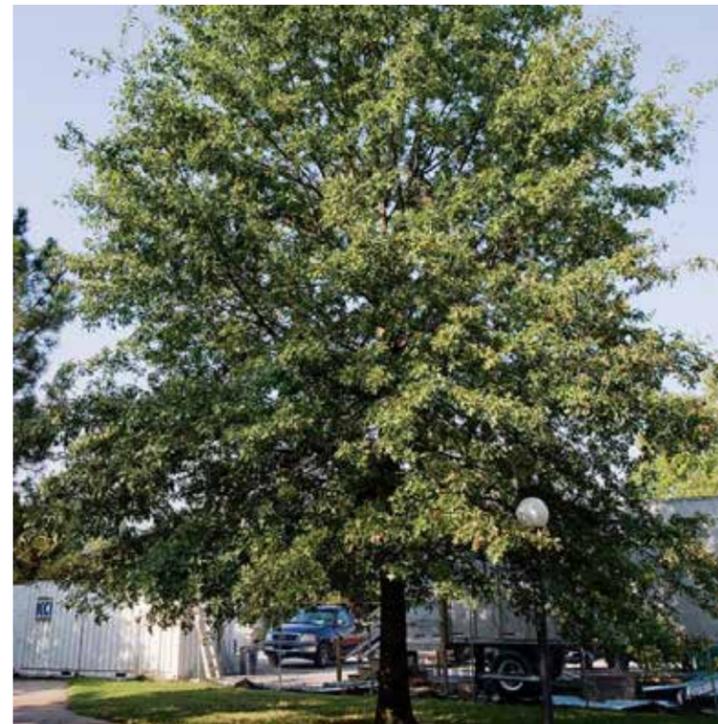
Lower Plaza Planters:
River Birch | *Betula nigra*



Specimen Tree: Missing
Copper Beech | *Fagus sylvatica*



Terrace Planters:
Pink Crepe Myrtle | *Lagerstroemia indica*



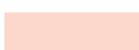
PA Ave / Grove Trees:
Willow Oak | *Quercus phellos*

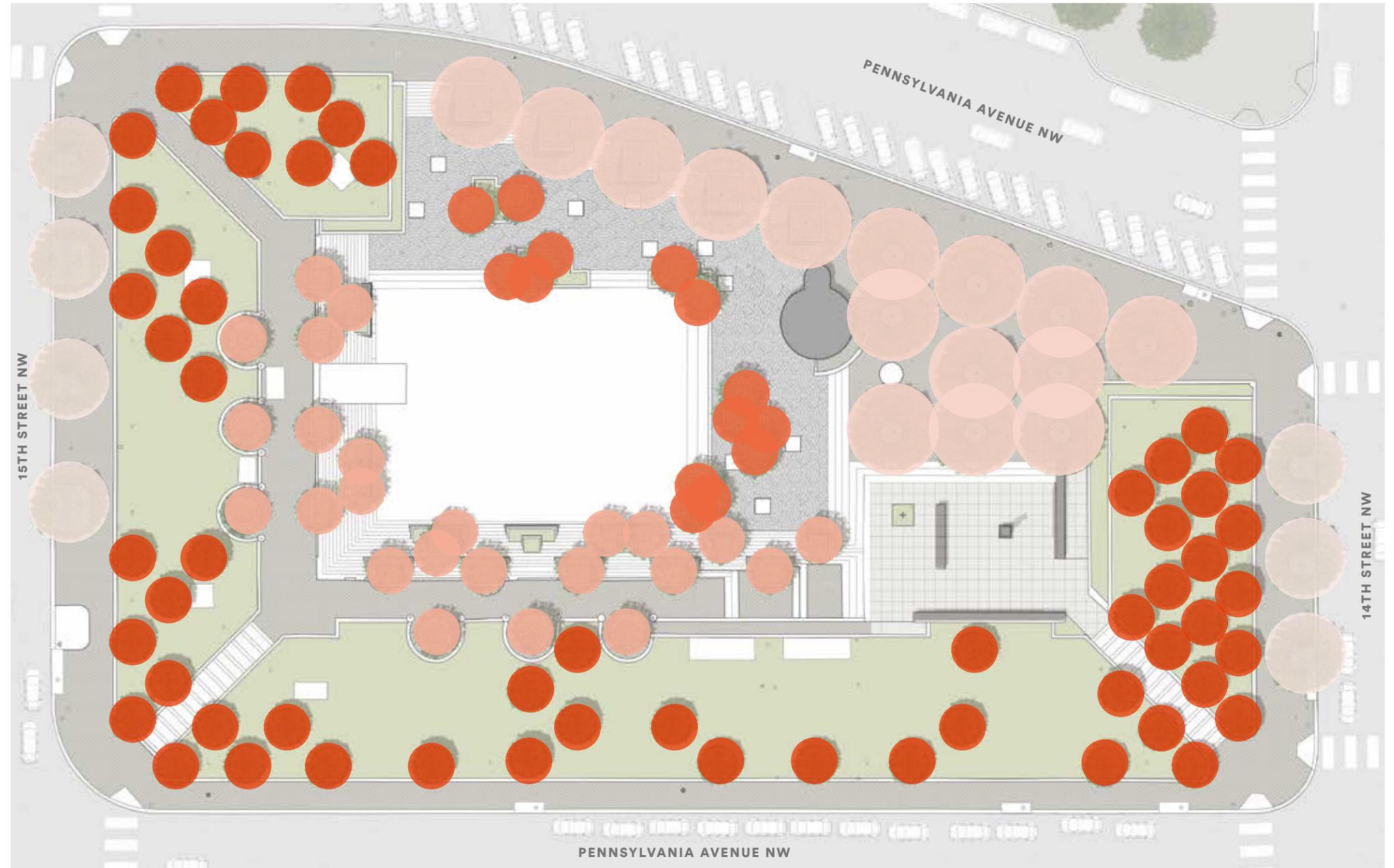


Street Trees:
Northern Red Oak | *Quercus rubra*

PLANTING

EXISTING CANOPY

-  Berm Trees:
Thornless Honey Locust
Gleditsia tricanthos inermis
-  Lower Plaza Planters:
Sweetbay Magnolia
Magnolia virginiana
-  Specimen Tree:
Jefferson Elm (Disease Resistant)
Ulmus americana 'Jefferson'
-  Terrace Planters:
White Crepe Myrtle
Lagerstroemia indica x fauriei 'Natchez'
-  PA Ave / Grove Trees:
Willow Oak
Quercus phellos
-  Street Trees:
Northern Red Oak
Quercus rubra



PLANTING

PROPOSED CANOPY

Berm Trees:

Quantity of trees in the grid to be reduced from 95 to 61 to allow more soil per tree. Soils will also be remediated to support overall tree health and longevity. Trees to be replaced in kind.

Lower Plaza Planters:

The existing river birch in the lower plaza are replaced with a white flowering magnolia which has a stronger structure and more formal character.

Specimen Tree:

A disease resistant elm is brought in to replace the missing specimen tree at the Pershing Memorial.

Terrace Planters:

The pink crepe myrtles are replaced with a white flowering variety to support a landscape of solemnity and remembrance.

PA Ave / Grove Trees:

Existing trees replaced in kind and soil volumes connected between the planters with structural soil to support overall health and longevity.

Street Trees:

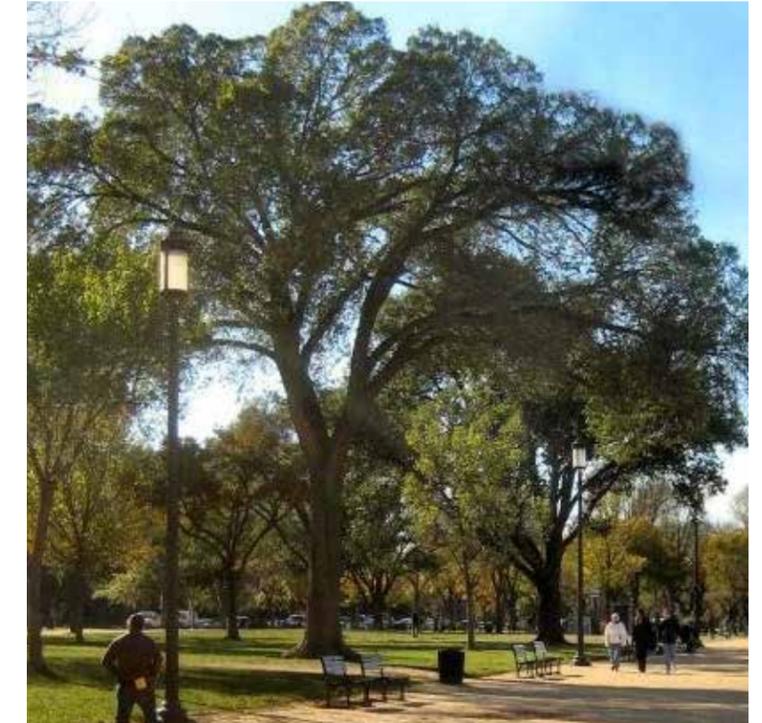
Missing street tree replaced in kind.



Berm Trees:
Thornless Honey Locust | *Gleditsia tricanthos inermis*



Lower Plaza Planters:
Sweetbay Magnolia | *Magnolia virginiana*



Specimen Tree:
Jefferson Elm (Disease Resistant) | *Ulmus americana 'Jefferson'*



Terrace Planters:
White Crepe Myrtle | *Lagerstroemia indica x fauriei 'Natchez'*



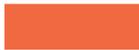
PA Ave / Grove Trees:
Willow Oak | *Quercus phellos*

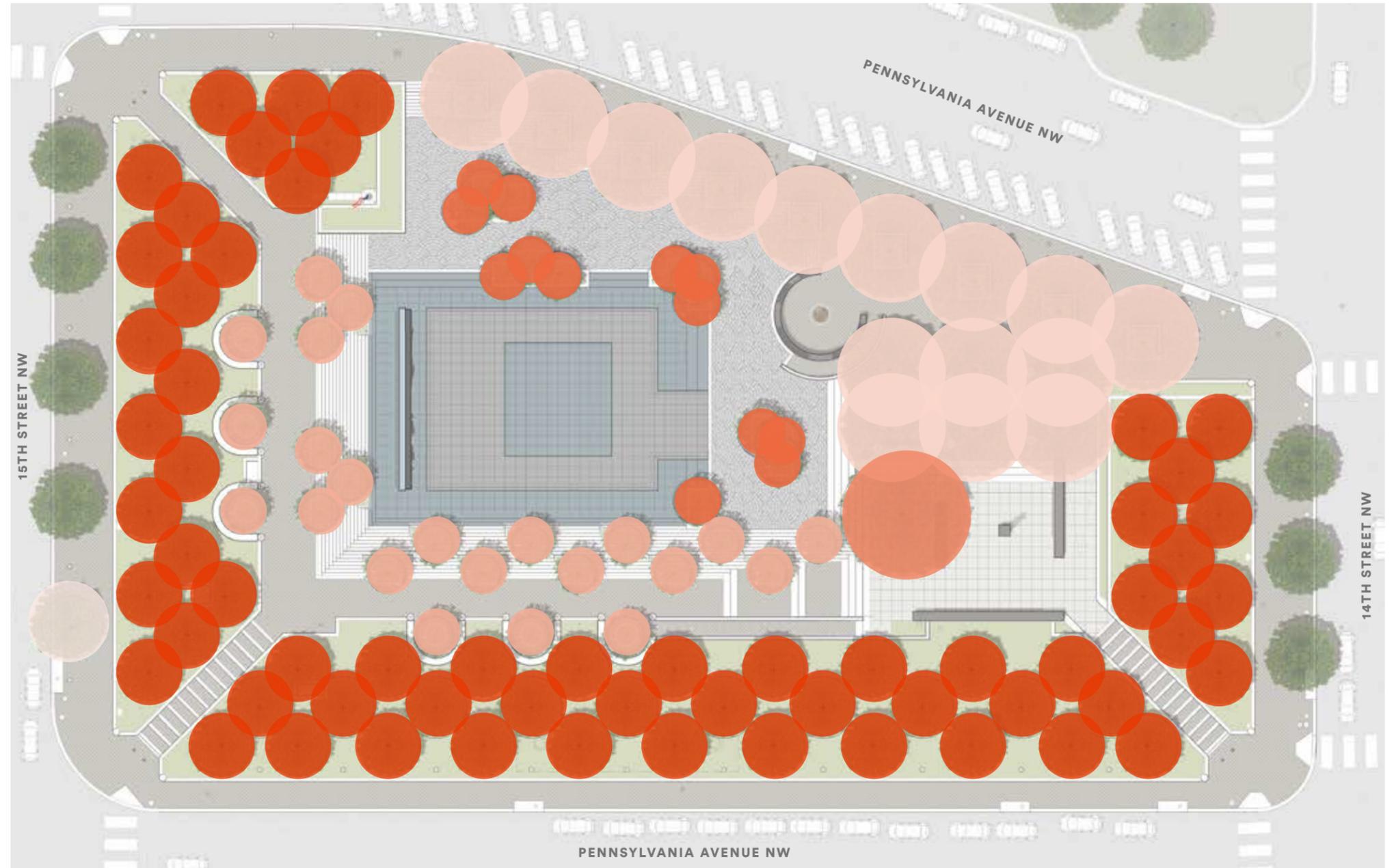


Street Trees:
Northern Red Oak | *Quercus rubra*

PLANTING

PROPOSED CANOPY

-  Berm Trees:
Thornless Honey Locust
Gleditsia tricanthos inermis
-  Lower Plaza Planters:
Sweetbay Magnolia
Magnolia virginiana
-  Specimen Tree:
Jefferson Elm (Disease Resistant)
Ulmus americana 'Jefferson'
-  Terrace Planters:
White Crepe Myrtle
Lagerstroemia indica x fauriei 'Natchez'
-  PA Ave Trees:
Willow Oak
Quercus phellos
-  Street Trees:
Northern Red Oak
Quercus rubra



PLANTING

UNDERSTORY: OVERALL PALETTE



Carex pennsylvanica /
Pennsylvania Sedge



Papaver orientale | Red Poppies



Liriope muscari 'Monroe's
White' | White Liriope



Galanthus | Snowdrops



Astilbe x arendsii 'Deutschland' /
White Astilbe



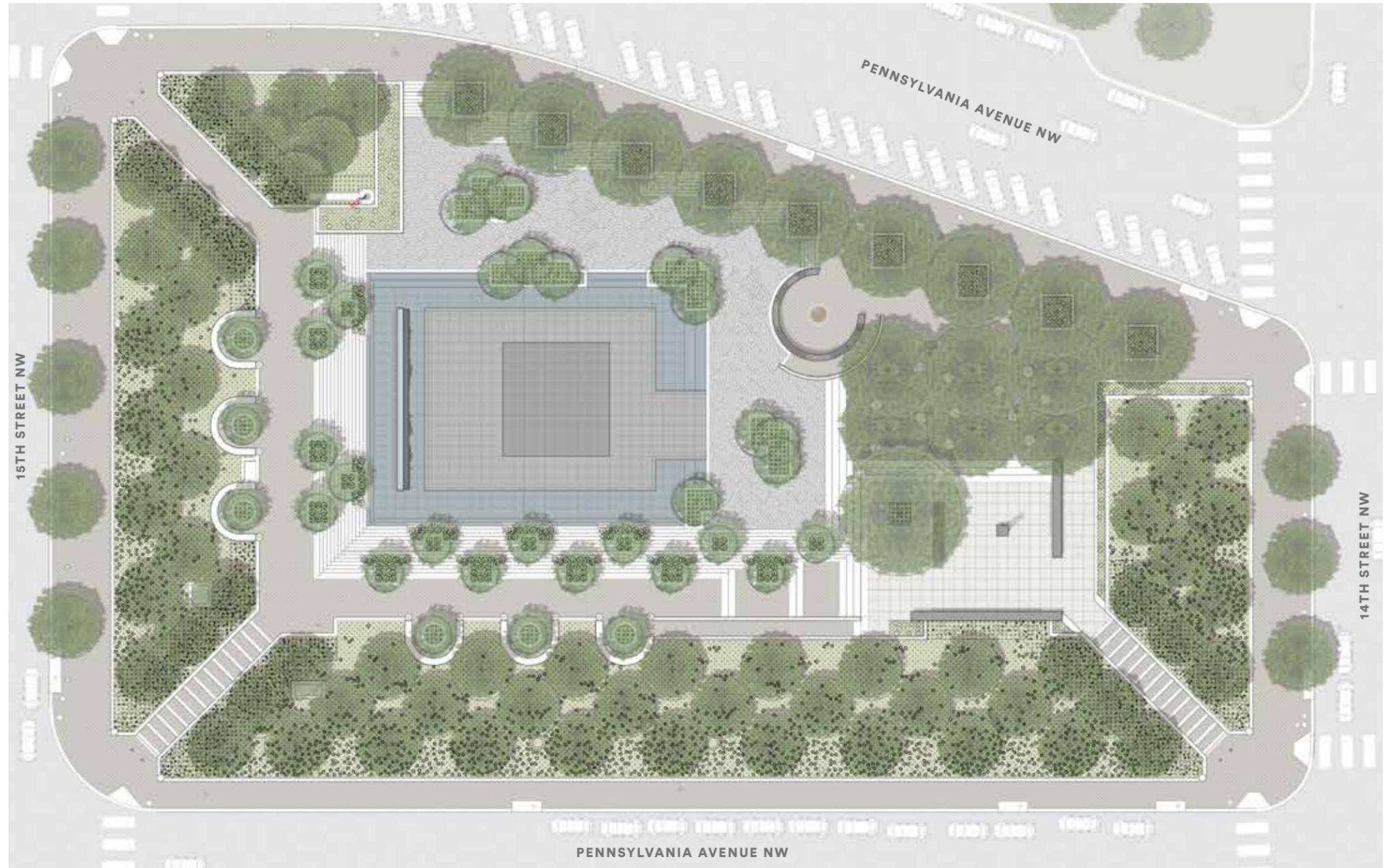
Pennisetum alopecuroides /
Fountain Grass



Asarum splendens | Asian
Ginger



Anemone hupehensis var.
japonica 'Honorine Jobert' /
Japanese Anemone



PLANTING

UNDERSTORY: BERMS



Year Round: Carpet
Carex pensylvanica | Pennsylvania Sedge



Early Summer: Ephemeral Accent
Papaver orientale | Red Poppies



Early Summer: Entry Planting
Astilbe x arendsii 'Deutschland' | White Astilbe



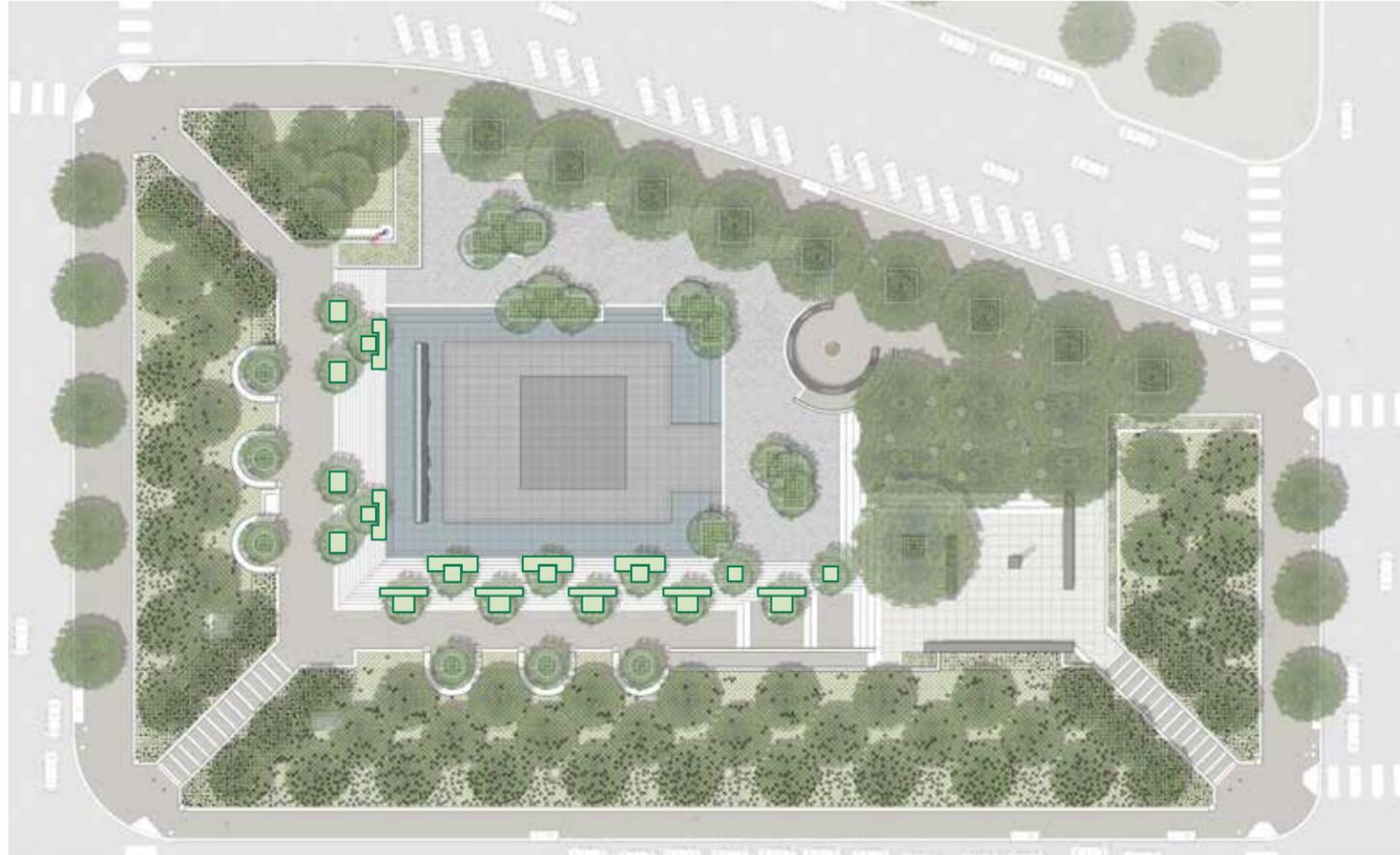
Late Summer / Early Fall: Entry Planting
Liriope muscari 'Monroe's White' | White Liriope



Winter / Early Spring: Ephemeral Accent within Carex Carpet
Galanthus | Snowdrops

PLANTING

UNDERSTORY: TERRACE PLANTERS



Pennisetum Alopecuroides
Fountain Grass



Original Intent



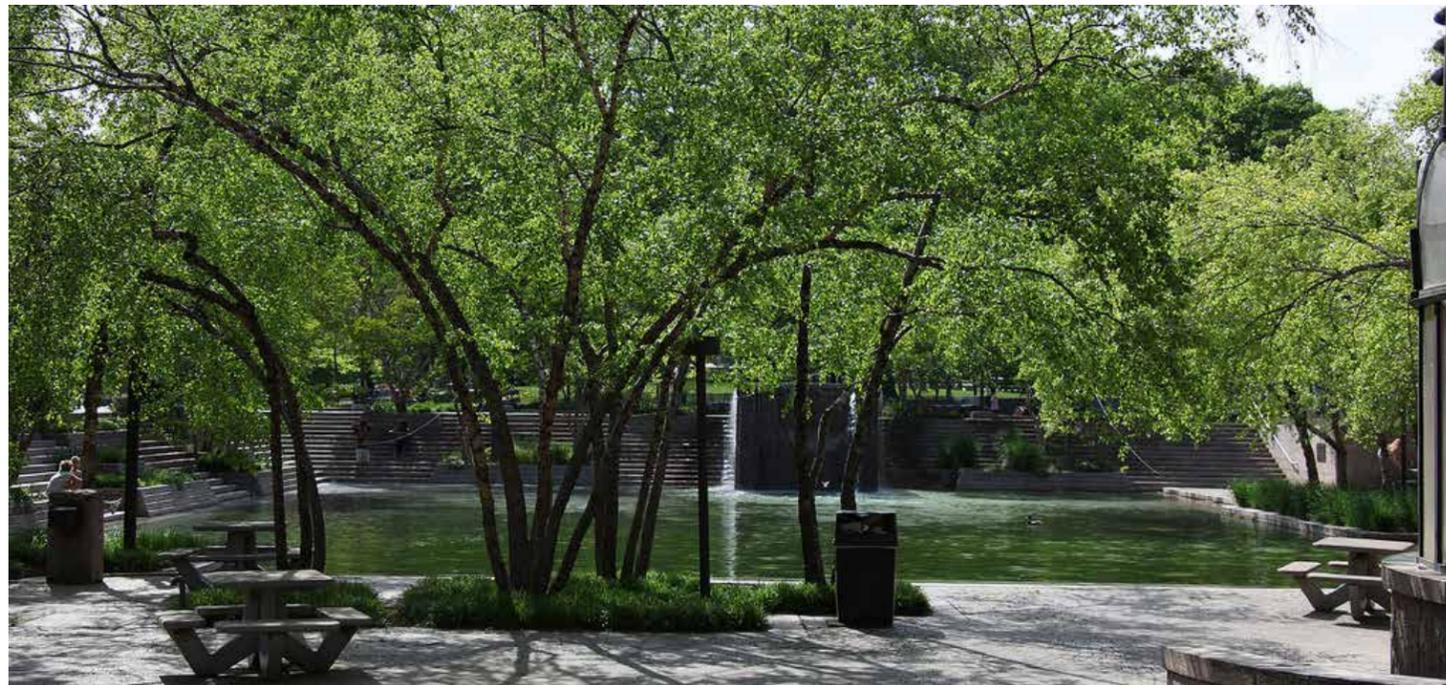
Proposed

PLANTING

UNDERSTORY: LOWER PLAZA PLANTERS



Species:
Liriope muscari 'Monroe's White' | White Liriope



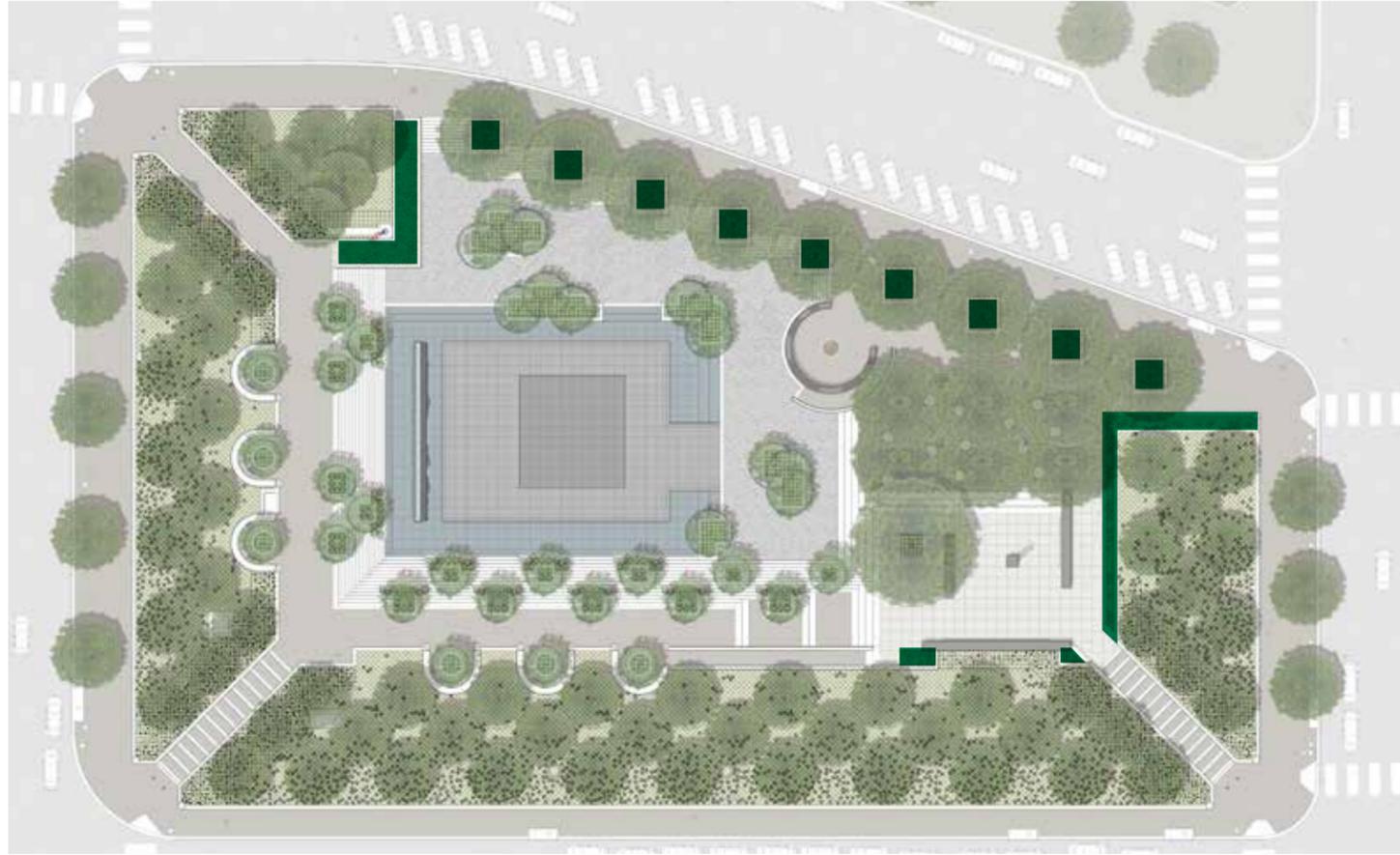
Existing



Proposed

PLANTING

UNDERSTORY: PA AVE PLANTERS



Species:
Asarum splendens | Asian Ginger



Species:
Anemone hupehensis var. *japonica*
'Honorine Jobert' | Japanese Anemone



Existing



Proposed



ACKNOWLEDGMENTS

APPENDIX

INSCRIPTIONS

DETAILING

APPENDIX - INSCRIPTIONS

EXISTING SOUTH PERSHING WALL TEXT

ON 6 APRIL 1917, THE UNITED STATES ENTERED WORLD WAR I. WITH FEW REGULAR FORCES THE TASK OF TRAINING AND TRANSPORTING AN EFFECTIVE ARMY TO FIGHT IN FRANCE WAS FORMIDABLE. THE U.S. NAVY, ACTING SWIFTLY TO COMBAT THE GERMAN SUBMARINE MENACE, DISPATCHED FIGHTING SHIPS AND AIRCRAFT TO EUROPEAN WATERS. SIMULTANEOUSLY IT BEGAN THE ORGANIZATION OF CONVOYS FOR HUNDREDS OF THOUSANDS OF TROOPS TO UNDERTAKE THE TREMENDOUS WORK OF ORGANIZING THE AMERICAN EXPEDITIONARY FORCES. GENERAL PERSHING LANDED IN FRANCE ON 13 JUNE 1917.

BEGINNING ON 21 MARCH 1918, THE GERMAN ARMIES LAUNCHED A SERIES OF POWERFUL ATTACKS ON THE WESTERN FRONT. ON THAT DATE, THERE WERE ONLY 300,000 AMERICAN SOLDIERS IN FRANCE MOST OF THEM BUT PARTIALLY TRAINED. THE FIRST OFFENSIVE ACTION BY A U.S. DIVISION CAME ON 28 MAY WHEN CANTIGNY WAS ATTACKED AND HELD DESPITE VIOLENT ENEMY REACTION.

SIMULTANEOUSLY, THE GERMANS SURGED ACROSS THE AISNE RIVER AND ADVANCE RAPIDLY TOWARD THE MARNE. U.S. REINFORCEMENTS, HURRIEDLY BROUGHT INTO POSITIONS DIRECTLY ACROSS THE GERMAN PATH OF ADVANCE TOWARD PARIS, STOPPED THE ATTACK. THEN, ON 6 JUNE U.S. TROOPS INCLUDING A BRIGADE OF MARINES STRUCK BACK AND IN FIERCE COMBAT LASTING A MONTH, RECAPTURED BELLEAU WOOD AND THE TOWN OF VAUX. THE LAST GREAT GERMAN OFFENSIVE OF THE WAR CAME ON 15 JULY ALONG THE MARNE EAST OF CHATEAU THIERRY. IT WAS PROMPTLY REPULSED IN A SEVERE STRUGGLE IN WHICH AMERICAN TROOPS PLAYED A LEADING PART. THE IMMEDIATE U.S. FRENCH COUNTERATTACK ON 18 JULY AT SOISSONS MARKED THE TURNING POINT OF THE WAR.

THEREUPON, THE U.S. FIRST ARMY WAS ORGANIZED AS A SEPARATE AND DISTINCT AMERICAN ARMY WITH ITS OWN ASSIGNED SECTOR, AS GENERAL PERSHING HAD INSISTED FROM THE BEGINNING. UNDER HIS COMMAND ON 12 SEPTEMBER, IT ASSAULTED THE ST. MIHIEL SALIENT WHICH HAD WITHSTOOD ATTACKS FOR 4 YEARS. BY 16 SEPTEMBER THE SALIENT WAS ELIMINATED. TEN DAYS LATER, THE FIRST ARMY LAUNCHED THE MEUSE-ARGONNE OFFENSIVE SUDDENLY CONCEIVED, HURRIED IN PLAN AND PREPARATION, AND BRILLIANTLY EXECUTED. THIS BATTLE, IN WHICH OVER 1,000,000 AMERICAN SOLDIERS FOUGHT, STANDS OUT AS ONE OF THE GREATEST ACHIEVEMENTS IN THE HISTORY OF AMERICAN ARMS.

DURING OCTOBER ALSO, U.S. TROOPS HAD SEIZED BLANC MONT RIDGE AND GENERAL PERSHING HAD ORGANIZED THE U.S. SECOND ARMY, WHICH ENTERED THE LINE ON THE RIGHT OF THE FIRST. ON OTHER BATTLEFIELDS, THE AMERICANS SERVING WITH THE BRITISH ARMIES HAD ATTACKED IN AUGUST NEAR YPRES, BELGIUM AND HAD TAKEN PART IN THE SOMME OFFENSIVE IN SEPTEMBER. NEAR ST. QUENTIN, THEY HAD BROKEN THROUGH THE HINDENBURG LINE. DURING OCTOBER, THEIR ADVANCE CONTINUED, AND NOVEMBER SAW U.S. UNITS ADVANCING FURTHER INTO BELGIUM ELSEWHERE. AMERICANS SERVED WITH DISTINCTION IN ITALY, NORTHERN RUSSIA, AND SIBERIA.

DURING THE WAR, THE AIR SERVICE WAS EXPANDED INTO A STRIKING FORCE WHICH SUPPORTED THE GROUND TROOPS AND GAVE PROMISE OF THE VITAL ROLE THAT OUR AIR FORCES WOULD PLAY IN THE FUTURE. AT THE SIGNING OF THE ARMISTICE ON 11 NOVEMBER 1918, MORE THAN 2,000,000 AMERICANS WERE SERVING IN EUROPE. EITHER WITH THE COMBAT FORCES OR IN THE SERVICES OF SUPPLY WHOSE UNHERALDED WORK MADE POSSIBLE THE BRILLIANT ACHIEVEMENTS OF THE ARMIES IN THE FIELD.

DURING SEPTEMBER 1918 THE ALLIED FORCES LAUNCHED A GENERAL OFFENSIVE ON THE WESTERN FRONT. IN THIS OPERATION THE U.S. FIRST ARMY WAS ASSIGNED THE TASK OF BREAKING THROUGH THE EXTREMELY STRONG AND VITAL DEFENSIVE SYSTEM BETWEEN THE MEUSE RIVER AND THE ARGONNE FOREST. THE ATTACK STARTED ON 26 SEPTEMBER AND AFTER TWO DAYS OF INTENSE FIGHTING, THE DOMINATING HILL OF MONTFAUCON WAS CAPTURED. THE GERMAN TROOPS STUBBORNLY DEFENDED EACH POSITION BUT BY 30 SEPTEMBER HAD BEEN DRIVEN BACK SIX MILES.

ON 4 OCTOBER, THE ASSAULT WAS RENEWED. THE RESISTANCE ENCOUNTERED WAS DESPERATE WITH THE ENEMY RAPIDLY POURING IN MORE DIVISIONS FROM OTHER BATTLE FRONTS. THOUGH SUBJECTED TO FURIOUS COUNTERATTACKS, THE ADVANCE CONTINUED RELENTLESSLY ON THE LEFT FLANK. A BRILLIANT ATTACK IN THE AIRE VALLEY MADE POSSIBLE THE CAPTURE OF THE ARGONNE FOREST. ON THE RIGHT U.S. AND FRENCH TROOPS CROSSED THE MEUSE WHERE SEVERE FIGHTING ENSUED FOR POSSESSION OF THE HEIGHTS BEYOND. ANOTHER ASSAULT ON 14 OCTOBER DEVELOPED INTO A PROLONGED STRUGGLE AGAINST VIOLENT RESISTANCE BUT THESE ATTACKS, NEAR CUNEL AND ROMAGNE, BROKE THROUGH THE GERMAN MAIN LINE OF DEFENSE AND PENETRATED THAT LINE BEYOND THE VILLAGES OF ST. JUVIN AND GRANDPRE.

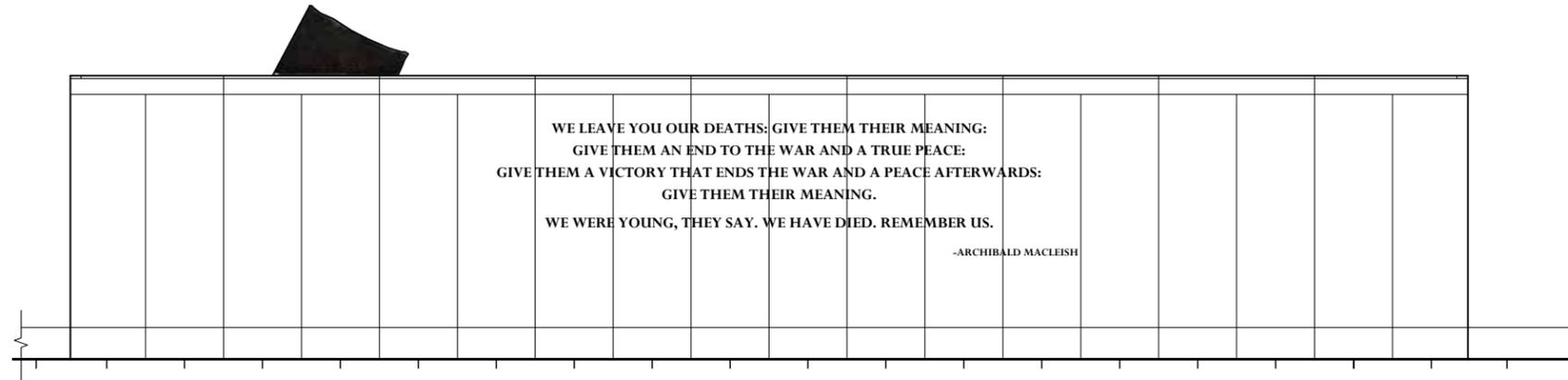
THE LAST GREAT OFFENSIVE BEGAN ON 1 NOVEMBER WITH THE CAPTURE OF THE FORMIDABLE POSITION ON BARRICOURT HEIGHTS. THREE DAYS LATER THE ENEMY WAS IN FULL RETREAT WEST OF THE MEUSE, CONTINUOUSLY PURSUED ON BOTH SIDES OF THE RIVER. THESE SUCCESSES AND THOSE OF OUR ALLIES COMPELLED THE GERMANS TO ASK FOR AN IMMEDIATE ARMISTICE WHICH BECAME EFFECTIVE 11 NOVEMBER 1918.

APPENDIX - INSCRIPTIONS

FONT, SCALE AND LAYOUT



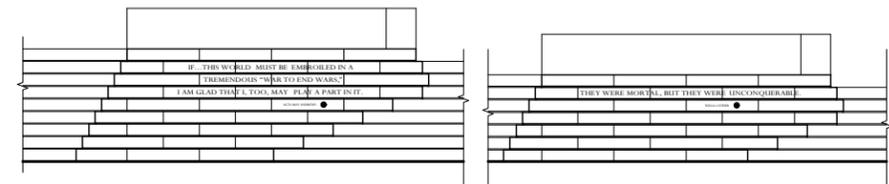
BRONZE PINNED



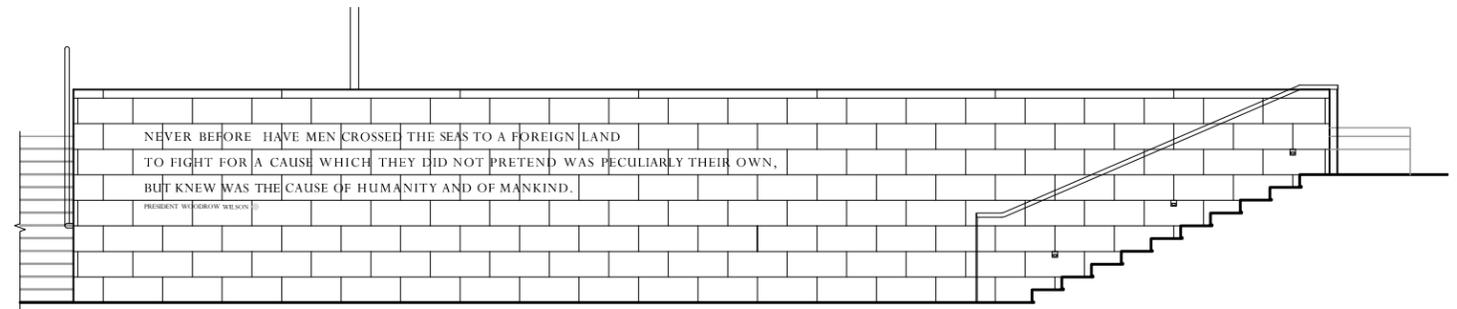
PEACE FOUNTAIN (5" LETTERS)



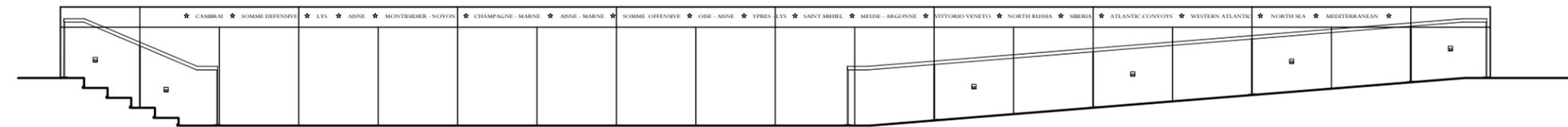
DEEP V - ENGRAVED



PA AVE PLANTERS (2" LETTERS)



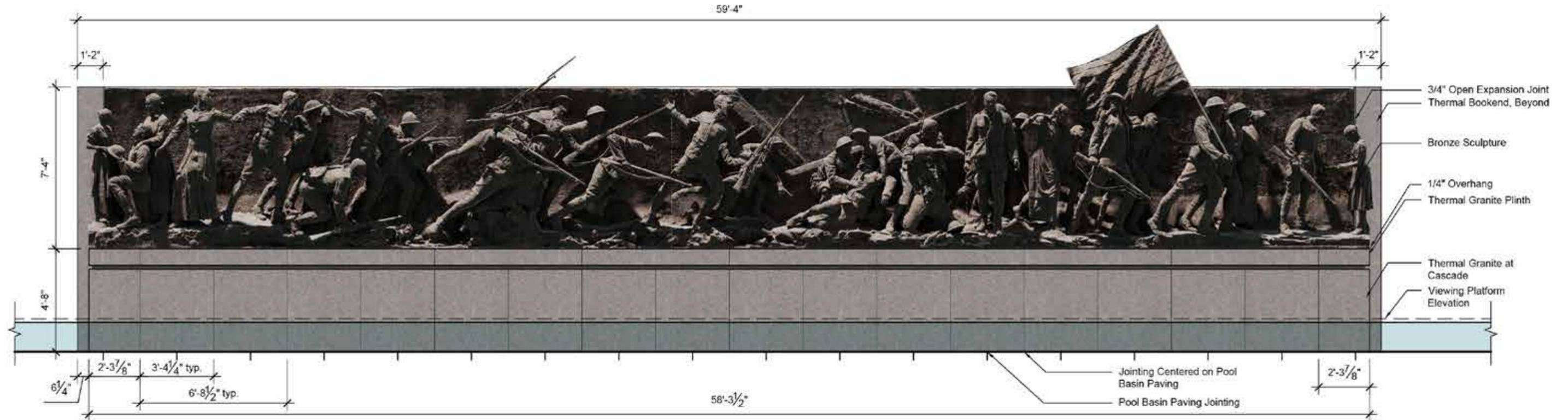
NORTH BERM (4" LETTERS)



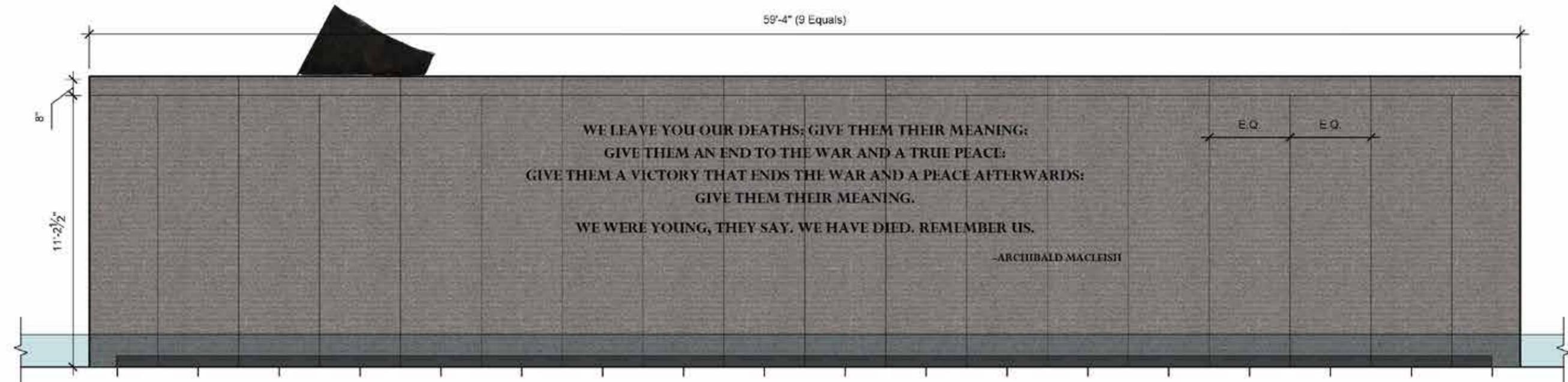
BELVEDERE BATTLES (2" LETTERS)

APPENDIX - DETAILING

SCULPTURE FOUNTAIN



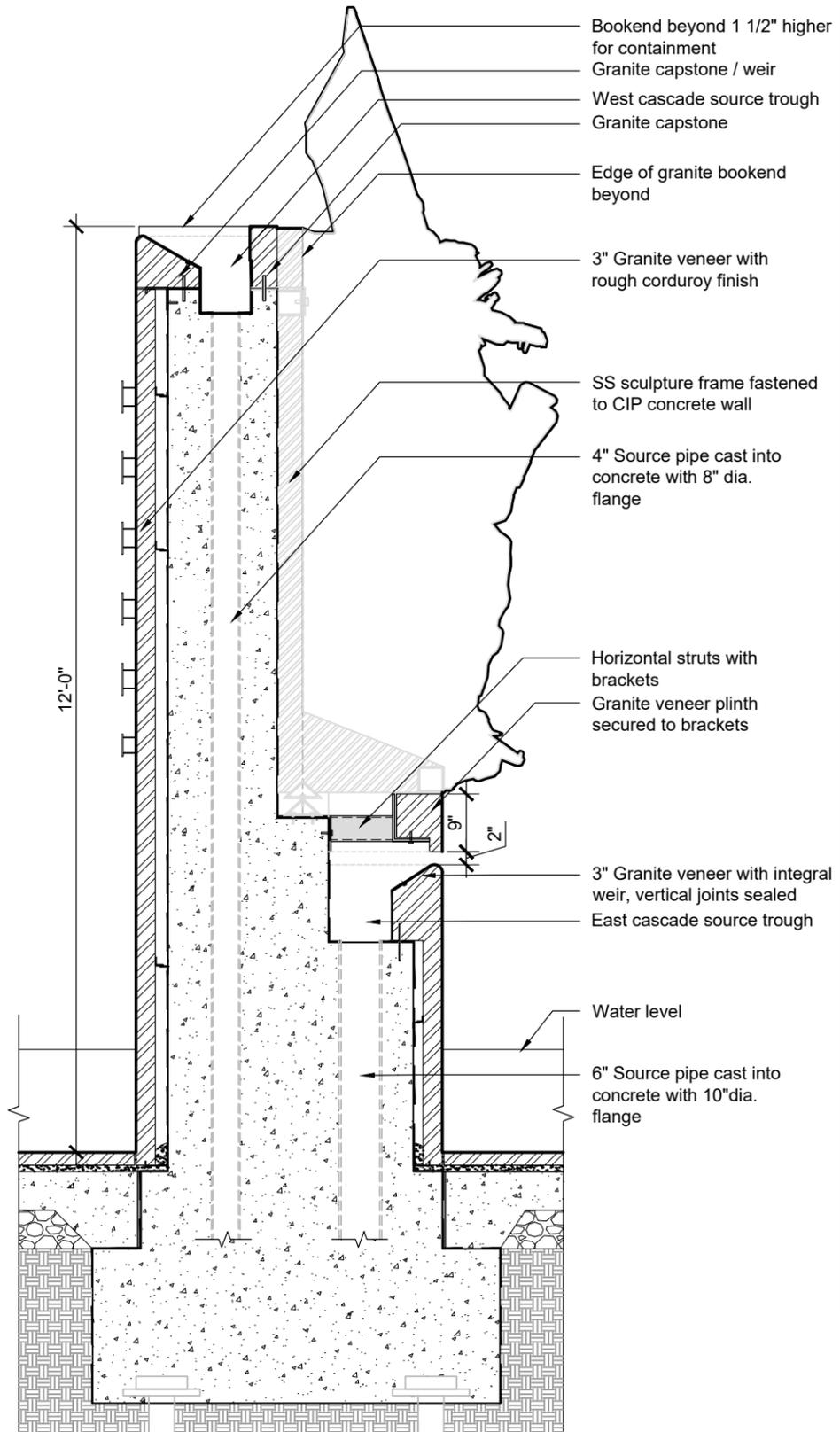
EAST ELEVATION



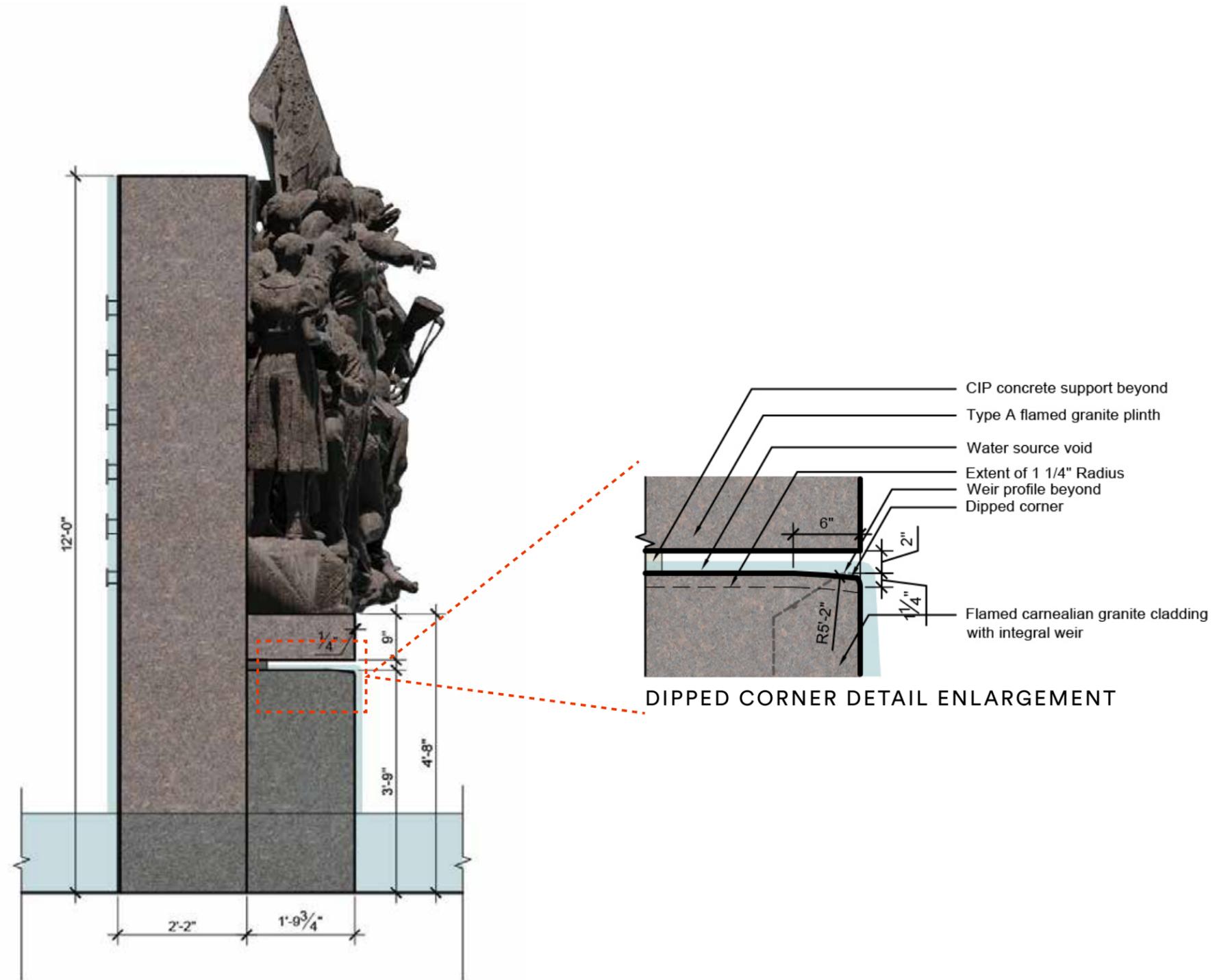
WEST ELEVATION

APPENDIX - DETAILING

SCULPTURE FOUNTAIN



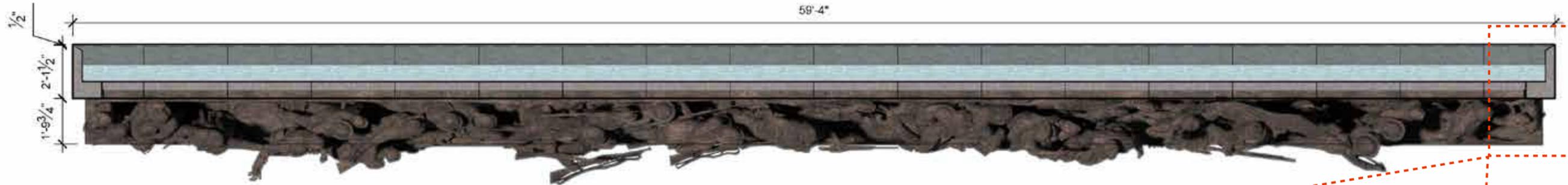
SCULPTURE FOUNTAIN SECTION



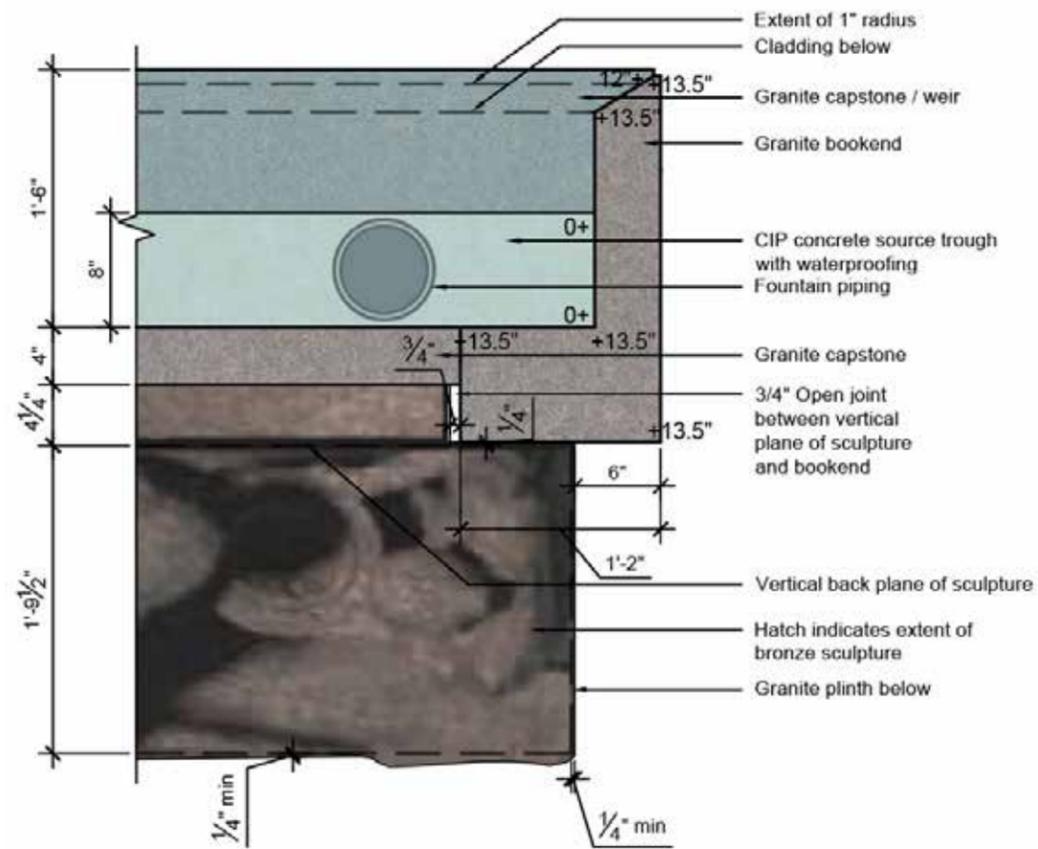
SOUTH END ELEVATION

APPENDIX - DETAILING

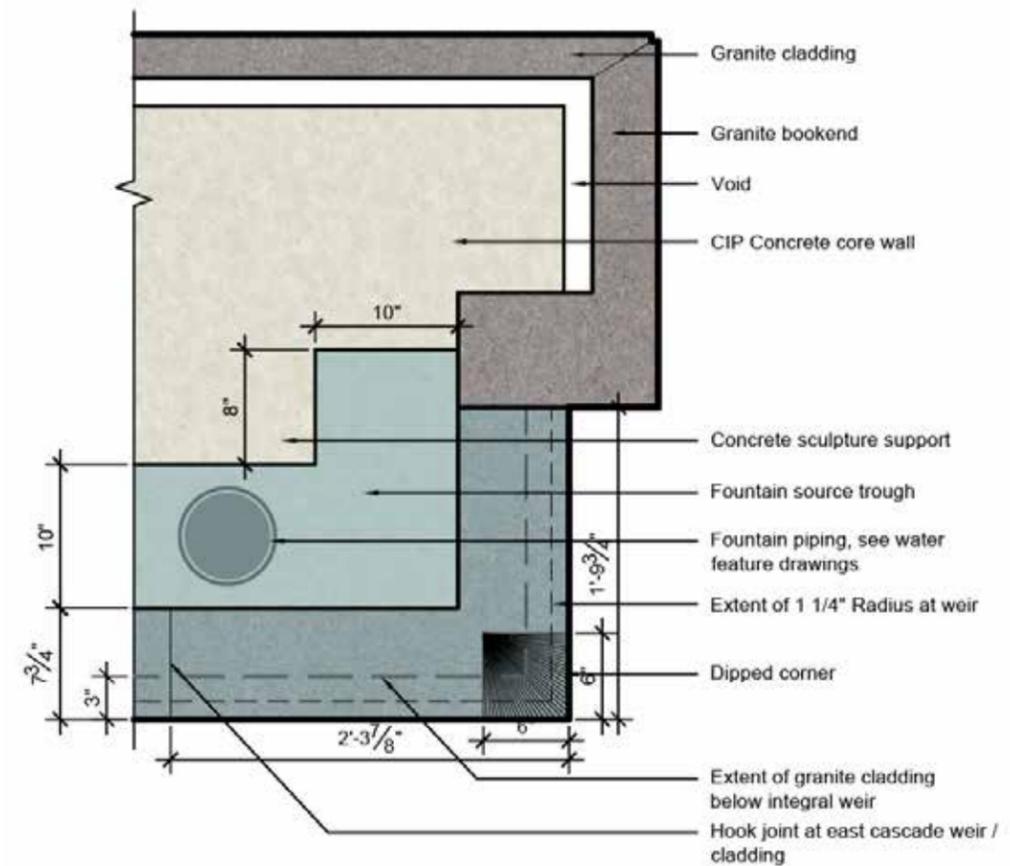
SCULPTURE FOUNTAIN



PLAN VIEW



UPPER PLAN ENLARGEMENT - WEST CASCADE SOURCE



LOWER PLAN ENLARGEMENT - EAST CASCADE SOURCE