Commission of Fine Arts
Concept Review
Team Introductions

ZGF

OTTO CONDON
Principal

PAUL KEMPTON
Associate Architect
Project Manager

ZHERTI JASA
Architectural Designer

OLIN

HALLIE BOYCE
Partner

EVE KOOTCHICK
Associate

JONATHAN HALLER
Landscape Architect
MISSION STATEMENT

The U.S. Department of Homeland Security (DHS) and its homeland security mission are born from the Commitment and resolve of Americans across the United States in the wake of the September 11th attacks. In those darkest hours, we witnessed true heroism, self-sacrifice, and unified resolve against evil. We rallied Together for our common defense, and we pledged to stand united against the threats attacking our great Nation, fellow Americans, and way of life.
Core Values and Guiding Principles of The Department of Homeland Security

Core Values

INTEGRITY - "Service Before Self"
VIGILANCE - "Guarding America"
RESPECT - "Honoring our Partners"

GUIDING PRINCIPLES
Champion "Relentless Resilience" for All Threats and Hazard
Reduce the Nation's Risk to Homeland Security Dangers
Promote Citizen Engagement and Strengthen and Expand Trusted Partnerships
Uphold Privacy, Transparency, Civil Rights, and Civil Liberties
Ensure Mission-Driven Management and Integration
Landscape Program

GSA and DHS have tasked the ZGF and OLIN teams to site and display 3 steel elements from the 9/11 attack on the World Trade Center, 6 stone pieces from the 9/11 attack on the Pentagon, and a Survivor Tree on DHS' St. Elizabeths Campus.

Landscape Elements

- Steel Artifacts
- Pentagon Stones
- Trees
- Survivor Tree
- Walking Paths
- Lighting
- Plaza oriented to capture view of Center Building
- Space for Ceremonies including temporary seating and podium
Site Exploration
Regional Context
Campus Context
Campus Connections
Selected Site - Hemlock St SE

Site Characteristics

- Prominent site adjacent to South entrance of Center Building
- Existing trees provide an appealing backdrop and setting for the artifacts
- Opportunity to realize additional paths
- Located near major pedestrian circulation routes through campus - evidence that space is being used currently (picnic tables, etc.)
- Potential conflicts with underground utilities crisscrossing the site
Historic Context

EXAMPLE OF SHRUB PLANTINGS ON CAMPUS - CIRCA 1897

HEMLOCK STREET SE - CIRCA 1895
EXISTING CONDITIONS
Hemlock Street North - Existing Conditions
Hemlock Street SE - Existing Conditions
Site Constraints

NOTE: EXISTING STEAM VAULT TO REMAIN. OTHER UTILITIES POSSIBLE TO RELOCATE IF NEEDED.
Existing Trees

**LEGEND**
- EXISTING TREE TO BE REMOVED

- #226 - SOUTHERN MAGNOLIA
- #227 - SOUTHERN MAGNOLIA
- #228 - AMERICAN HOLLY
- #229 - BALD CYPRESS
- #230 - WILLOW OAK
- #231 - WILLOW OAK
- #902-906 - FLOWERING CHERRY
- #223 - JAPANESE ZELKOVA
- #222 - AMERICAN HOLLY
- #224 - JAPANESE ZELKOVA
- #237 - WILLOW OAK
- #241 - SAWTOOTH OAK

**CENTRAL BUILDING**

**DINING HALL**
Vehicular Connections

- STREET PARKING
- SHUTTLE BUS STOP
- CENTER BUILDING

DINING HALL

STREET PARKING

9/11 ARTIFACT DISPLAY SITE
ZGF Architects LLP | OLIN Partnership | Commission of Fine Arts Concept Review | June, 2022
Pedestrian Connections
ARTIFACT PLACEMENT
Inventory

"N" ARTIFACT

"LONG" ARTIFACT

"TRIDENT" ARTIFACT

PENTAGON STONES

SURVIVOR TREE
Proposed Locations

Selected Location for Steel Artifacts and survivor tree from New York

Selected location for Pentagon Stone from Washington DC
Steel Artifacts
Trident Artifact
Stone Artifacts
Pentagon Stones
Pentagon Stone Inventory
ARTIFACT
INSTALLATION
Steel Artifact Installation

SECTION DETAIL - WTC STEEL ARTIFACT (C-60)
MARBLE PLINTH W/ INTEGRATED LIGHTING - 316 SST STRUCTURAL SUPPORT FITTINGS

PLAN DETAIL - WTC STEEL ARTIFACT (C-60)
MARBLE PLINTH W/ INTEGRATED LIGHTING

SECTION DETAIL - WTC STEEL ARTIFACT (C-90)
MARBLE PLINTH W/ INTEGRATED LIGHTING - 316 SST STRUCTURAL SUPPORT FITTINGS

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MARBLE PLINTH W/ INTEGRATED LIGHTING - 316 SST STRUCTURAL SUPPORT FITTINGS

PLAN DETAIL - WTC STEEL ARTIFACT (C-60)
MARBLE PLINTH W/ INTEGRATED LIGHTING
Trident Installation

PLAN DETAIL - WTC STEEL ARTIFACT (E-0017)
POLISHED CUT MARBLE PLINTH W/ INTEGRATED LIGHTING - 316 SST STRUCTURAL SUPPORT FITTINGS

SECTION DETAIL - WTC STEEL ARTIFACT (E-0017) POLISHED CUT MARBLE PLINTH W/ INTEGRATED LIGHTING - 316 SST STRUCTURAL SUPPORT
Pentagon Stones Installation
CURRENT
PROPOSAL
Site Plan Studies

CIRCULAR PLAZA

OVAL PLAZA

EGG SHAPED PLAZA
Site Plan

CENTER BUILDING

DINING HALL
Site Paving

- Exposed Aggregate Concrete Paving
- Granite Curb
- Granite Paving Band
- Granite Paving
- Granite Paving
- Exposed Aggregate Concrete Paving
- Granite Curb
- Granite PLINTH
- GRANITE CURB
- EXPOSED AGGREGATE CIP CONCRETE PAVING
Site Furnishings

Bench (Landscape Forms 'Neoliviano')

Backless Bench (Landscape Forms 'Neoliviano')

GRANITE BLOCK SEATWALL WITH WOOD TOP

WOOD TOP ON GRANITE SEATWALL

BENCH, TYP.

BACKLESS BENCH, TYP.
Trident Plaza Bench

SEGMENTED GRANITE BLOCK SEATWALL WITH WOOD TOP

SEATWALL WOOD TOP - DETAIL FROM CISA PROJECT

FORM INSPIRATION

SEATWALL SKETCH
Speaking Event Diagram

125 PEOPLE
PLANTING APPROACH
P100 Planting Requirements - Summary

“Identify, preserve and reuse plant communities and special status vegetation native to the eco-region of the site to contribute to regional diversity of flora and provide habitat for wildlife.”

“Use vegetation to minimize building climate control requirements”

“Design rainwater/stormwater features into the site to provide a landscape amenity.”

“Maintain or repurpose on-site structures and construction materials to extend life cycle of existing building materials and reduce waste.”

“Plant a minimum of 9 different plant species for each viable blooming season. Design to a mandatory 50% target of pollinator-positive plant material. ... All plants shall be adapted to the site’s eco-region.”

“General and specific signage shall be provided on the site that identifies the pollinating-positive environment...”
FE.G1 “Trees 31.8 in dia (100in in circumference) or greater may not be removed, unless: Removal is critical to accomplishing the mission of the agency and planning/design alternatives that would preserve such trees have been explored and determined incapable of accommodating program requirements or the tree is considered invasive or hazardous per an Arborist’s evaluation.”

*Trees less than 10-in in dia: Replace one tree for every one tree removed.*

*Trees 10-in in dia. or greater: Tree Diameter (in inches) x Species Rating (as percentage) x Condition Rating (as percentage) = Score. “

“Forests and Stands of Trees: Plant 1.5 acres for every 1 acre removed. Consult with federal and local stakeholders to determine the appropriate density, mixture, and size of replacement plantings.”

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8 REMOVED TREES

22 TREES REQUIRED
Planting Strategy
Planting Strategy - Proposed Trees

- **Survivor Tree (Pyrus Calleryana)**
- **(2) Nyssa Sylvatica**
- **Shrub & Groundcover Planting, Typ.**
- **(2) Liquidambar Rotundiloba**
- **(2) Acer Rubrum 'October Glory'**
- **(9) Cornus Florida 'Cherokee Chief'**

DINING HALL

CENTER BUILDING
Planting Palette - Seasonal Interest

**NYSSA SYLVIATICA**
- Evergreen shrub
- 50-80 ft Ht, 20-30 ft Spread
- Blooms: Spring
- Attracts: Bees, Songbirds

**ACER RUBRUM 'OCTOBER GLORY'**
- Deciduous shrub
- 20-120 ft Ht, 30-50 ft Spread
- Blooms: Spring, Winter
- Fall Interest
- Attracts: Bees, Birds, Butterflies

**NYSSA SYLVIATICA 'GREEN GABLE'**
- Evergreen shrub
- 50-80 ft Ht, 20-30 ft Spread
- Blooms: Spring
- Attracts: Bees, Songbirds

**ACER RUBRUM 'OCTOBER GLORY'**
- Evergreen shrub
- 20-120 ft Ht, 30-50 ft Spread
- Blooms: Spring, Winter
- Fall Interest
- Attracts: Bees, Birds, Butterflies

**CORNUS FLORIDA 'CHEROKEE CHIEF'**
- Deciduous shrub
- 20 ft Ht, 20 ft Spread
- Blooms: Spring
- Fall Interest
- Attracts: Bees, Birds

**LEUCOTHEA AXILLARIS**
- Deciduous shrub
- 3-6 ft Ht, 4-7 ft Spread
- Blooms: May
- Fall Interest
- Attracts: Pollinators, Birds

**PRUNUS LAUROCERASUS 'OTTO LUYKEN'**
- Evergreen shrub
- 3-6 ft Ht, 4-7 ft Spread
- Blooms: May
- Fall Interest
- Attracts: Pollinators, Birds

**KALMIA LATIFOLIA 'ELF'**
- Deciduous shrub
- 20-120 ft Ht, 20-30 ft Spread
- Blooms: Spring, Winter
- Fall Interest
- Attracts: Bees, Birds, Butterflies

**ILEX VERTICILLATA 'JIM DANDY'**
- Evergreen shrub
- 2-3 ft Ht, 2-3 ft Spread
- Blooms: May-September
- Fall Interest
- Attracts: Bees

**PRUNUS LAUROCERASUS 'OTTO LUYKEN'**
- Evergreen shrub
- 3-6 ft Ht, 4-7 ft Spread
- Blooms: May
- Fall Interest
- Attracts: Pollinators, Birds

**ILEX VERTICILLATA 'RED SPRITE'**
- Evergreen shrub
- 2-3 ft Ht, 2-3 ft Spread
- Blooms: May-September
- Fall Interest
- Attracts: Bees

**ILEX VERTICILLATA 'RED SPRITE'**
- Evergreen shrub
- 2-3 ft Ht, 2-3 ft Spread
- Blooms: May-September
- Fall Interest
- Attracts: Bees, Butterflies

**ACER RUBRUM 'OCTOBER GLORY'**
- Evergreen shrub
- 20-120 ft Ht, 30-50 ft Spread
- Blooms: Spring, Winter
- Fall Interest
- Attracts: Bees, Birds, Butterflies

**ABELIA X GRANDIFLORA 'KALEIDOSCOPE'**
- Deciduous shrub
- 2-3 ft Ht, 2-3 ft Spread
- Blooms: May-September
- Fall Interest
- Attracts: Bees

**FOTHERGILLA GARDENII**
- Deciduous shrub
- 2-3 ft Ht, 2-3 ft Spread
- Blooms: May-September
- Fall Interest
- Attracts: Bees, Butterflies

**FOTHERGILLA GARDENII**
- Deciduous shrub
- 2-3 ft Ht, 2-3 ft Spread
- Blooms: May-September
- Fall Interest
- Attracts: Bees, Butterflies

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- Deciduous shrub
- 2-3 ft Ht, 2-3 ft Spread
- Blooms: May-September
- Fall Interest
- Attracts: Bees, Butterflies

**FOTHERGILLA GARDENII**
- Deciduous shrub
- 2-3 ft Ht, 2-3 ft Spread
- Blooms: May-September
- Fall Interest
- Attracts: Bees, Butterflies
Planting Palette - Groundcover & Perennials

**PART SHADE - SHADE**

- **PACHYSANDRA PROCBUMENS**
  - Semi Evergreen Groundcover
  - 6-10 in ht, 1-2 ft spread

- **DROOP FERN**
  - 4-5 ft ht, 2-3 ft spread

- **DROOP FERN**
  - 1 ft ht, 1-1.5 ft spread

- **HERBACEOUS PERENNIAL**
  - 2-4 ft ht, 1.5-2 ft spread
  - Bloom: July-August
  - Wildlife: Bees

- **HERBACEOUS PERENNIAL**
  - 1-3 ft ht
  - Bloom: June-August
  - Wildlife: Bees

- **HERBACEOUS PERENNIAL**
  - 2-4 ft ht
  - Bloom: May-September
  - Wildlife: Bees, butterflies, hummingbirds

- **HERBACEOUS PERENNIAL**
  - 3-4 ft ht
  - Bloom: June-July
  - Wildlife: Bees, butterflies

- **HERBACEOUS PERENNIAL**
  - 3-4 ft ht
  - Bloom: August-October
  - Wildlife: Bees, butterflies, hummingbirds

- **HERBACEOUS PERENNIAL**
  - 3-4 ft ht
  - Bloom: June-September
  - Wildlife: Bees

**SUN**

- **PHLOX PANICULATA 'DAVID'**
  - 3-4 ft ht, 2-3 ft spread
  - Bloom: June-July
  - Wildlife: Bees, butterflies

- **ECHINACEA PURPUREA 'WHITE SWAN'**
  - 2-3 ft ht, 1-2 ft spread
  - Bloom: April-September
  - Wildlife: Bees, butterflies

- **ASCLEPIAS INCARNATA 'ICE BALLET'**
  - Swamp Milkweed
  - 3-4 ft ht, 1.5-2 ft spread
  - Bloom: June-September
  - Wildlife: Bees

- **SYMPHIOTRICHUM NOVAE-ANGLIAE 'AUTUMN SNOW'**
  - New England Aster
  - 1-3 ft ht
  - Bloom: June-August
  - Wildlife: Bees, butterflies, hummingbirds

- **LUPINUS POLYPHYLLUS 'NOBLE MAIDEN'**
  - Russell Lupine
  - 3-4 ft ht, 1.2 ft spread
  - Bloom: June-August
  - Wildlife: Bees, butterflies, hummingbirds

- **POLIANTHES TUBEROSE**
  - 2-4 ft ht, 1.2 ft spread
  - Bloom: June-August
  - Wildlife: Bees, butterflies, hummingbirds
## Planting Palette - Bloom Schedule

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SITE VIEWS
Pentagon Stones
Walk
Trident Plaza
Trident Plaza - Fall
View From Center Building Sidewalk
View From Center Building