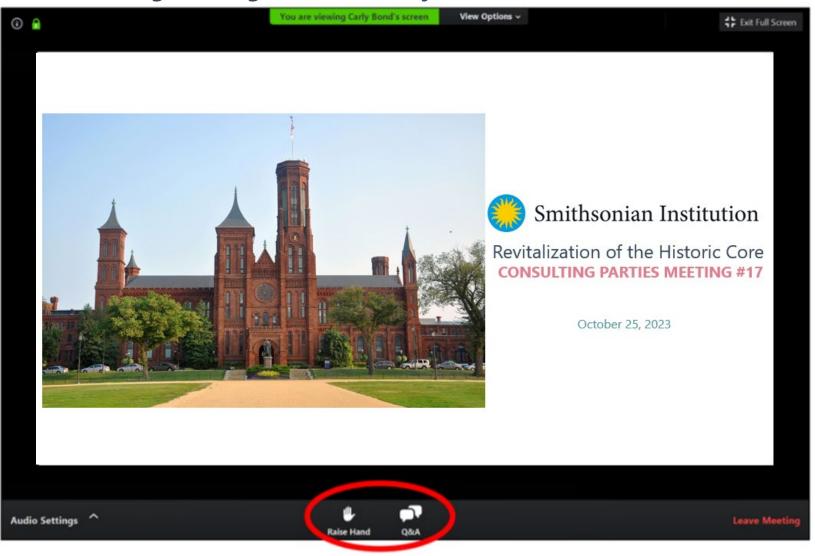
## Welcome!

The meeting will begin momentarily.



#### How to Use Zoom Webinar:

- Zoom webinar will not permit access to your camera.
- Please submit comments/questions in writing through the Q&A function.
- Written comments/questions can be submitted at any time and will be answered or discussed at designated points during the meeting by the panelists.
- Click "Raise Hand" if you would like to speak your comments/questions at designated points with the panelists. A moderator will grant access to your device's microphone.





# Smithsonian Institution

Revitalization of the Historic Core **CONSULTING PARTIES MEETING #17** 

October 25, 2023

#### PANEL OF SPEAKERS

#### MODERATOR

**Carly Bond**, Historic Preservation Specialist

#### PRESENTERS / PANELISTS

Brenda Sanchez, FAIA, Sr. Design Manager Christopher Lethbridge, Architect/Program Manager Matthew Chalifoux, FAIA, Sr. Historic Preservation Architect, EYP-Loring, LLC Anthony Bochicchio, AIA, Project Manager, EYP-Loring, LLC Faye Harwell, FASLA, Landscape Architect, RHI (Rhodeside and Harwell)



#### **AGENDA**

- Section 106 Consultation Status
- Review Avoidance, Minimization, and Mitigation Measures
- Schedule and Next Steps

#### **How to Use Zoom Webinar:**

- Zoom webinar will not permit access to your camera.
- Please submit comments/questions in writing through the Q&A function.
- Written comments/questions can be submitted at any time and will be answered or discussed at designated points during the meeting by the panelists.
- Click "Raise Hand" if you would like to speak your comments/questions at designated points with the panelists. A moderator will grant access to your device's microphone.

#### **SECTION 106 CONSULTATION STATUS**

We Are Here

#### Step 2 Step 3 Step 4 Step 1 Assess Adverse Resolve Adverse **Identify Historic** Initiate the Process **Properties** Effects Effects Assess Effects on Avoid, Minimize, Define Area of Define the Historic Resources and/or Mitigate Undertaking Potential Effects (APE) Adverse Effects Initiate Section 106 Identify Apply Criteria of Adverse Effect Notify ACHP of Identify Consulting Historic/Cultural Adverse Effects Parties Resources Create Resolution Involve the Public Document (MOA/PA) **Consultation with Consulting Parties**

- Assessment of Effects on Historic Resources reviewed in two phases.
- Phase 1 effect determinations finalized in Fall 2023.
- Phase 2 preliminary effect determinations reviewed in Fall 2023.
- Draft Phase 2 effect determinations released for Consulting Parties review August 16, 2023.
- Programmatic Agreement oversees Phases 1 and 2.
- Amend PA or Execute Memorandum of Agreement to resolve adverse effects from Phase 2.

#### ASSESSMENT OF EFFECTS ON HISTORIC RESOURCES – FINAL DETERMINATIONS

II.	ч.	$\Lambda$		101	'se	- I	
	а.	~ 4	0 A 1	7 - 1			

Landscape and Planting Plan

Signage

Site Lighting

**Building Lighting** 

**Emergency Generators** 

In-Kind Replacement of Roof Materials

Installation of Lighting Protection

Installation of Roof Access

Roof Modifications – Energy Improvements, Including Increases in Roof Thickness

Replacement and Restoration of Windows – Interior Effects

**Exterior Masonry Restoration** 

Alterations at the South Entrance to Improve Accessibility

Accessible Walkways at the North Entrance

#### **Adverse Effect**

Perimeter Security

South Tower Elevators – Exterior and Interior Alterations

Areaway and Window Wells - Finishes

Seismic Control Joint Cover Plate - Finishes

Installation of Rooftop Fall Protection

Modifications to Rooftop Mechanical Penthouses

Installation of East Wing 4th Floor Egress

Replacement and Restoration of Windows

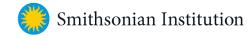
**New Basement Windows** 

**Basement Egress Doors** 

Basement Level Interior Alterations – Lowering of the Basement Floor, New Basement Window Openings

Cumulative Effects on the Castle

Cumulative Effects on the National Mall Historic District

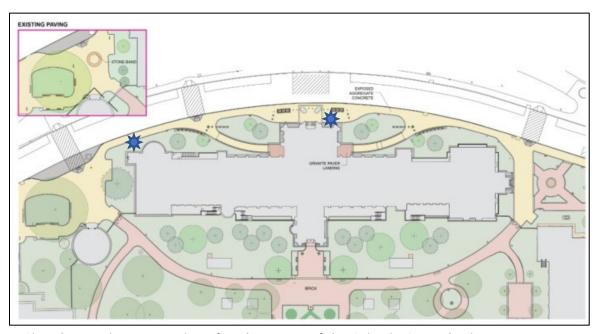


#### PROGRAMMATIC AGREEMENT

#### **Stipulation 3. Initial Mitigation Measures**

The following measures were identified through Section 106 consultation to mitigate adverse effects known at this time. These measures do not preclude additional mitigation developed per Phase 2 of Section 106 consultation, to address new or intensified adverse effects.

- A. Restoration of the Castle's Setting
- B. HALS Recordation of the Haupt Garden and Quadrangle Building – Photographs complete, drawings in-progress
- C. Updates to National Historic Landmark Documentation – Castle in-progress
- D. Seismic Control Joint Interpretive Signage: One (1) interpretive signage panel will be developed and installed to provide the public with information on the purpose of the seismic control joint.
- E. Historic Fabric Documentation



Site plan, noting two options for placement of the Seismic Control Joint Interpretive Signage.

#### PROGRAMMATIC AGREEMENT

#### **Stipulation 2. Minimization Measures**

The following measures were developed through Section 106 consultation to date to minimize adverse effects. Phase 2 of Section 106 consultation will consider additional alternatives and details that have the potential to further minimize or intensify the adverse effect.

- A. <u>South Areaways</u>: The southwest areaway will be bisected around the Octagon Tower. The southeast areaway will be bisected around the Southeast Tower, and the length of its west portion reduced. These changes maintain the relationship between the Towers and grade and reduce the visual impact and perceived size of the areaways.
- B. <u>Perimeter Security</u>: Revised in consultation to focus on the three building entrance locations only on Jefferson Drive and to minimize the use of bollards.
  - i. Phase 1 of Section 106 consultation had consensus for the length, size, and placement of the integral bollard benches adjacent to the porte cochere; and for the length of benches adjacent to the accessible walkway entrances.
- C. <u>South Tower Elevators Exterior Effects</u>: An alternative to route the mechanical relief using through wall louvers at brick infill on the non-visible north elevation of the South Tower was developed in consultation. This solution results in a non-visible change to support the elevators, aside from the overruns.

# **Avoidance Measures**

#### **USE OF IN-KIND REPLACEMENT MATERIALS**

#### **Exterior Masonry Restoration**

- Maximum amount of sound Seneca sandstone will be preserved.
- Exterior sandstone restored, cleaned, and pointed.
- St. Bees red sandstone alternative to be used after SI Seneca stockpile depleted.



St. Bees red sandstone sample held against the Castle.



Salvaged Seneca sandstone in SI storage.

#### **Roof Materials**

- Slate shingles replaced with closest matching material available "Grayson Slate."
- Existing lead coated copper replaced with zinctin coated copper.
- Shingle exposure and roof appearance maintained.



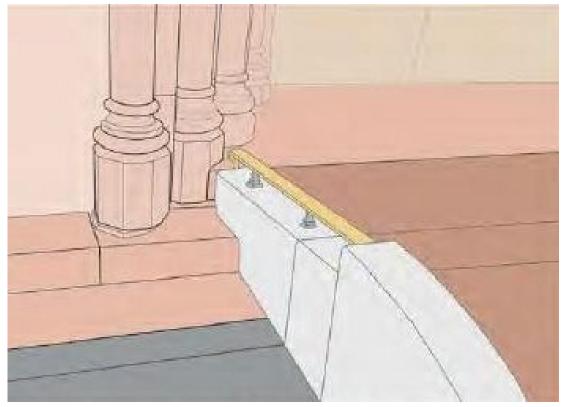
Typical conditions of slate roofing shingles.



Proposed "Grayson Slate" shingles.

#### **SOUTH ENTRANCE ACCESSIBLE WALKWAY**

- Historic sandstone steps retained below the proposed south entrance accessible walkway.
- Design will not obscure architectural features or require a handrail.
- New walkway will use Haupt Garden paving materials.

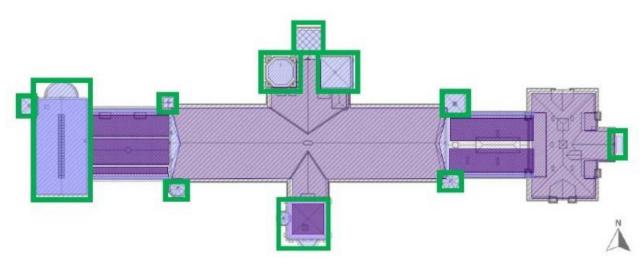


Detail drawing of the placement of the walkway, curb, and kick railing, against the historic features of the Castle's South Entrance.



Existing South Entrance condition.

#### **ROOF MODIFICATIONS**



Proposed roof plan noting locations of slate and copper cladding, and dimensional changes. Green outline notes areas with no proposed dimensional changes due to visible impacts.



Proposed and existing montage demonstrating the dimensional roof change over the East Range.



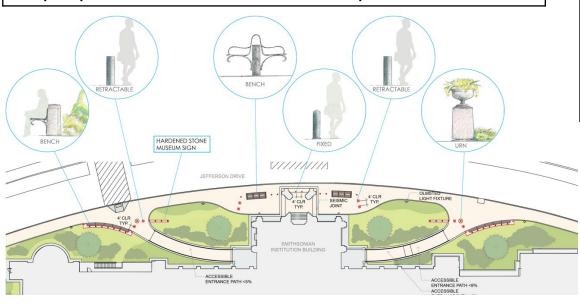
Proposed and existing montage demonstrating the dimensional roof change over the Main Building.

- Dimensional change will not be located on visible roof edges.
- Flat metal roof change tapered to roof edge to remain non-visible.
- Roof materials replaced in-kind.

# **Minimization Measures**

#### **Adverse Effect**

- Alters the Castle's setting.
- Combination of hardened metal bollards (fixed and retractable), urns, wall signage, and benches.
- Two fixed bollards will be placed between the porte cochere piers.
- Two double-sided open metal slat benches are proposed on each side of the porte cochere.



Proposed perimeter security elements at north entry along Jefferson Drive.

#### **Minimization of Adverse Effect:**

- Use of Olympic Black or Prairie Brown granite undetermined.
- Fixed and retractable bollards are the same height and diameter.
- Bollards clad in bronze.
- Perimeter security limited to three visitor queueing areas.
- Benches conceal bollards in customary street furniture.
- Wall benches detailed for maximum visibility of the Castle.
- Neutral granite color.









Context renderings of the perimeter security with Olympic Black granite on Jefferson Drive.





Context renderings of the perimeter security with gray/red (Prairie Brown) granite on Jefferson Drive.

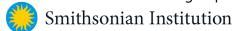




OLYMPIC BLACK - SANDBLAST FINISH



Detail rendering of perimeter security with Olympic Black granite.



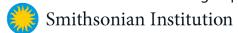




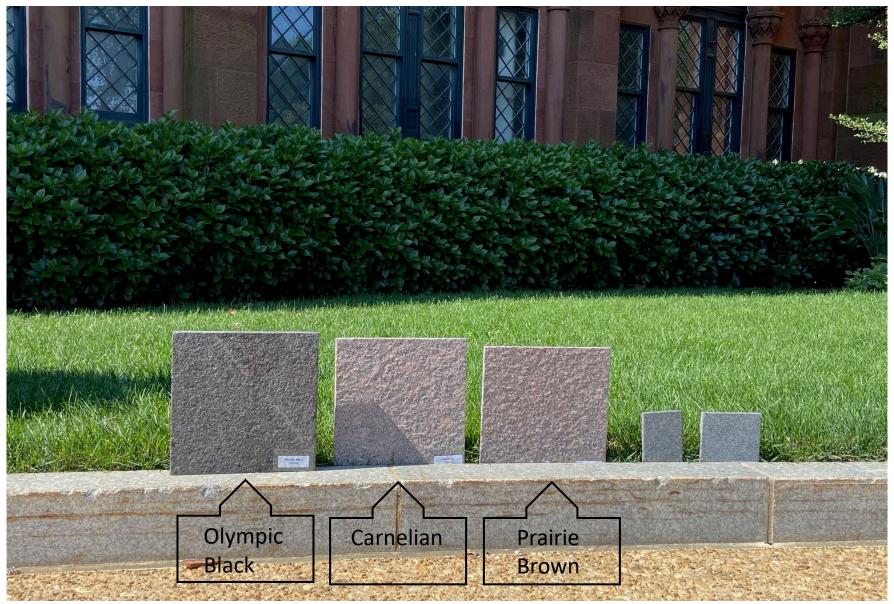
PRAIRIE BROWN (FINISH TBD)



Detail rendering of perimeter security with Prairie Brown granite.



# **PERIMETER SECURITY – July Consulting Parties Meeting**



# **PERIMETER SECURITY – July Consulting Parties Meeting**

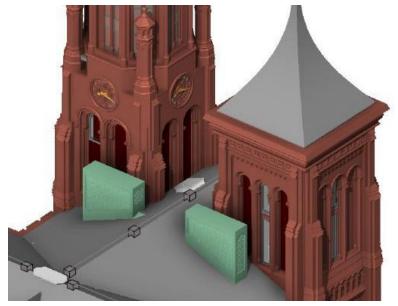


#### MODIFICATIONS TO ROOFTOP MECHANICAL PENTHOUSES

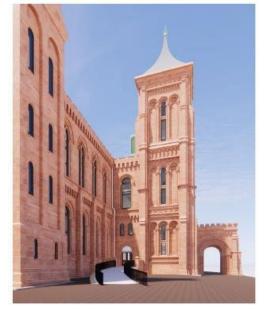




West Range existing and proposed mechanical penthouses.



Axon view of the proposed North Entry Hyphen mechanical penthouses.

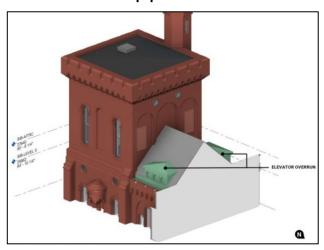


Rendered view of visibility of the west penthouse at the North Entry Hyphen from Jefferson Drive.

- Visible historic chimneys, dormers, and ventilators will be retained.
- Additional mechanical modifications occur within the attic interior.
- North Entry Hyphen penthousespreferred option is the narrowest width and closest to the ridge.
- North Entry Hyphen proposed with arched louver at east and west sides in keeping with other rooftop appurtenances.
- Mechanical penthouses will be copper clad.

#### **SOUTH TOWER ELEVATORS – EXTERIOR ALTERATIONS**

- Elevator overruns will be the smallest exterior size possible (3'7" above the parapet).
- Elevator overruns will have a hipped profile, arched detailing, and copper cladding in keeping with other Castle appurtenances.



Partial axonometric view of the South Tower.



Rendered view of the west elevator overrun from grade looking northwest.

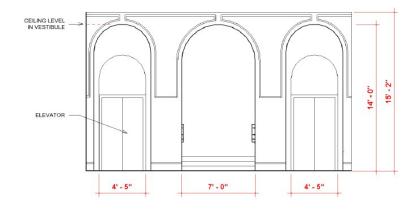
#### From the PA: Stipulation 2 Initial **Minimization Measures**

C. South Tower Elevators Exterior Effects: An alternative to route the mechanical relief using through wall louvers at brick infill on the non-visible north elevation of the South Tower was developed in consultation. This solution results in a non-visible change to support the elevators, aside from the overruns.

i. Phase 2 of Section 106 consultation. will consider the following design details associated with the South Tower elevators: overrun dimensions and massing; and overrun cladding materials and treatment.

## **SOUTH TOWER ELEVATORS – INTERIOR EFFECTS**

- Arched openings within historic blind arches to access elevators in Children's Room.
- Elevator cabs in all spaces will be bronze with minimal frames.
- Work permits the restoration of the Children's Room, currently half occupied by non-historic stairs, accessible lift, and platform.
- Historic stone stairs in the first-floor corridor exposed and restored.
- Third floor mosaics in the third-floor corridor retained, excising field tesserae and preserving the center medallion. Unused tesserae will be retained for future repairs.
- Third floor mosaics will be fully documented including tracing and photography.



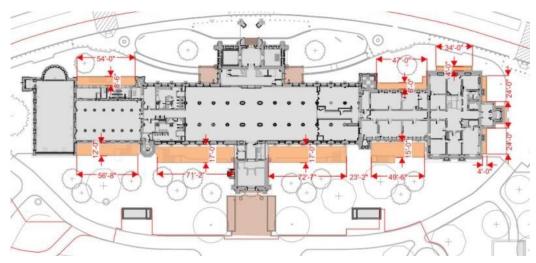
Proposed north elevation of the Children's Room. New arched openings within the historic blind arches lead to the elevator cabs, centered on the openings.



Rendered view from the Great Hall looking into the Children's Room. New bronze elevator doors flank the historic center arched opening.



Proposed modification to the mosaics from narrowing the corridor to accommodate the elevator shafts.



Castle site plan, with proposed below-grade areaways and window wells noted with orange shading.



Rendering of finishes at the southwest areaway. Parging is shown on the Castle's base, gray porcelain pavers, and a light gray combed stucco finish on the new retaining wall.

# Smithsonian Institution

#### **Phase 1 - Adverse Effect**

- Areaways and Window Wells affect the Castle's setting and relationship with the ground plane.
- Areaways, egress stairs, window wells, and their fall protection railings will be visible at the base of the Castle.

#### **Minimization of Adverse Effect:**

- Rubble stone left intact with exterior protective finishing.
- Proposed finishes are neutral and intended to be utilitarian.

#### **Option 1 – From September CP Meeting**

TINTED STUCCO AT CASTLE; LIGHT GRAY STUCCO AT RETAINING WALL



**RETAINING WALL FINISH** LIGHT GRAY STUCCO **COMBED FINISH** 

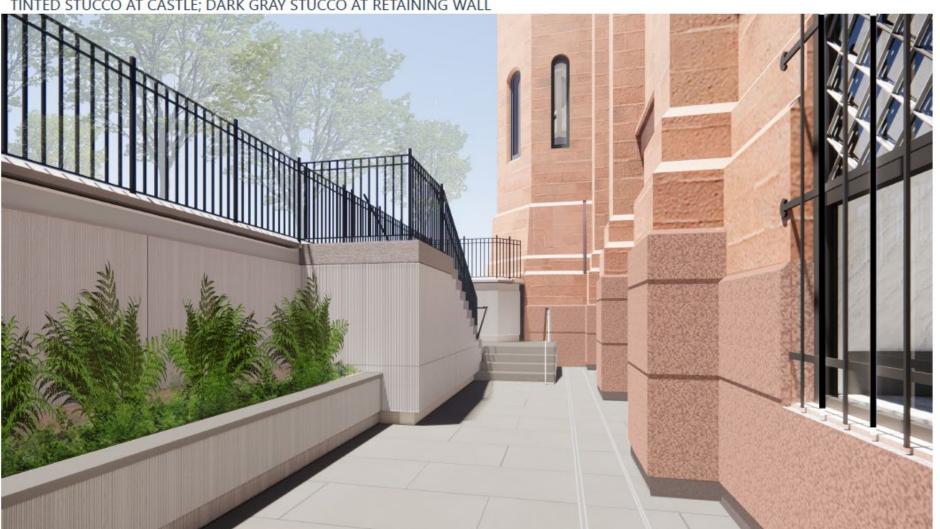


UNDERPINNING FINISH **TINTED STUCCO** 



## Option 2

TINTED STUCCO AT CASTLE; DARK GRAY STUCCO AT RETAINING WALL



**RETAINING WALL FINISH** DARK GRAY STUCCO COMBED FINISH



UNDERPINNING FINISH TINTED STUCCO



## Option 3

LIGHT GRAY STUCCO AT BOTH SIDES



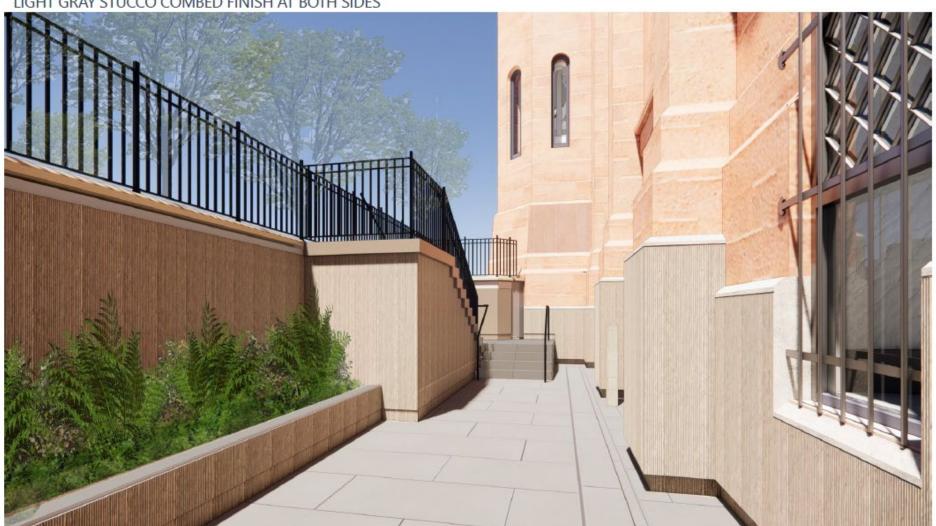
RETAINING WALL FINISH LIGHT GRAY STUCCO



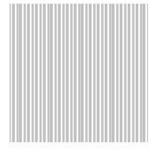


## **Option 3a**

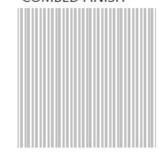
LIGHT GRAY STUCCO COMBED FINISH AT BOTH SIDES



**RETAINING WALL FINISH** LIGHT GRAY STUCCO COMBED FINISH

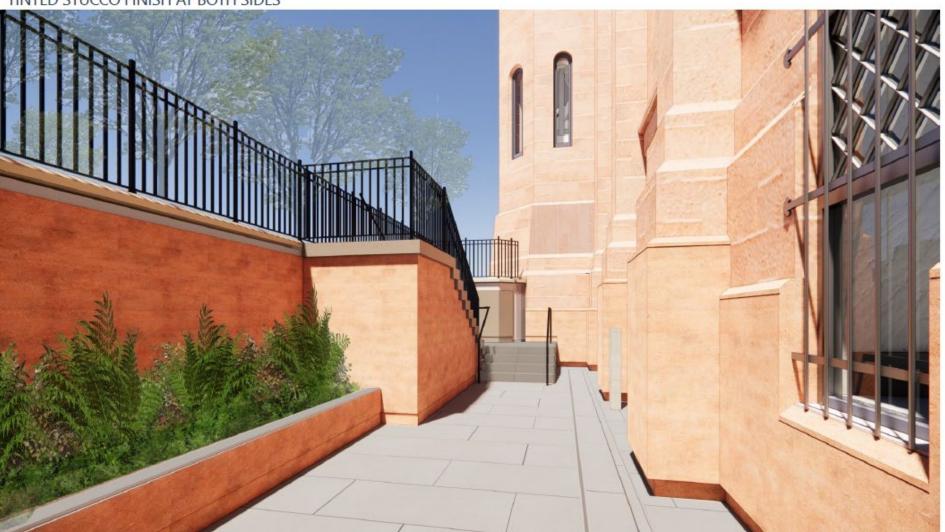


UNDERPINNING FINISH LIGHT GRAY STUCCO COMBED FINISH



## Option 4

TINTED STUCCO FINISH AT BOTH SIDES



**RETAINING WALL FINISH TINTED STUCCO** 



UNDERPINNING FINISH **TINTED STUCCO** 



## **Option 4a**

TINTED STUCCO COMBED FINISH AT BOTH SIDES



**RETAINING WALL FINISH TINTED STUCCO** COMBED FINISH



UNDERPINNING FINISH

**TINTED STUCCO** COMBED FINISH



## **Option 4b**

TINTED STUCCO AT CASTLE; TINTED STUCCO AT RETAINING WALL



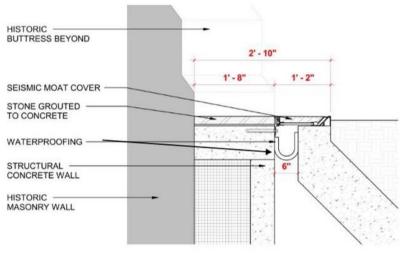
RETAINING WALL FINISH TINTED STUCCO COMBED FINISH

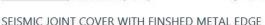


UNDERPINNING FINISH TINTED STUCCO



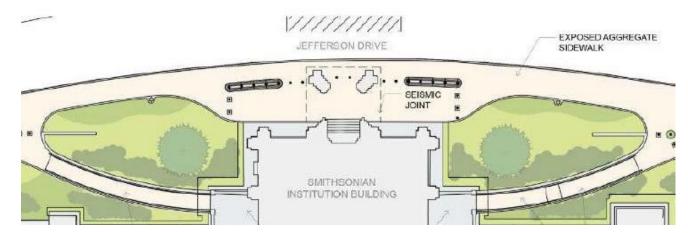
#### SEISMIC CONTROL JOINT COVER PLATE – FINISHES





OLYMPIC BLACK (PREFERRED)

Narrowest finish option for the seismic control joint, selected as preferred during Phase 1 consultation. Note the dimension of the seismic moat cover width of 1'2".

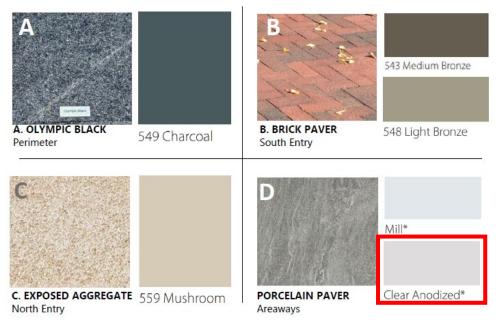


Partial site plan noting the seismic joint line location at the porte cochere.

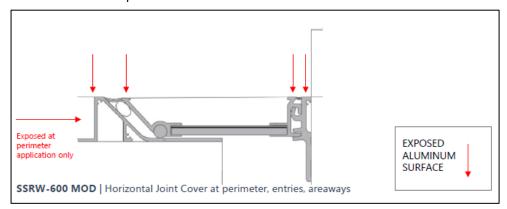
Smithsonian Institution

- Exposed aggregate concrete joint moat cover used over the section passing into the Jefferson Drive sidewalk.
- Proposed joint width minimum dimension possible.
- Olympic Black granite material preferred neutral option.
- Joint incorporated into recessed areaways and under projecting building elements.

#### SEISMIC CONTROL JOINT COVER PLATE – FINISHES



Materials adjacent to the seismic control joint cover around the Castle's site, with the closest options for metal finish.

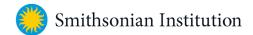


Seismic moat cover section detail noting exposed aluminum surfaces.

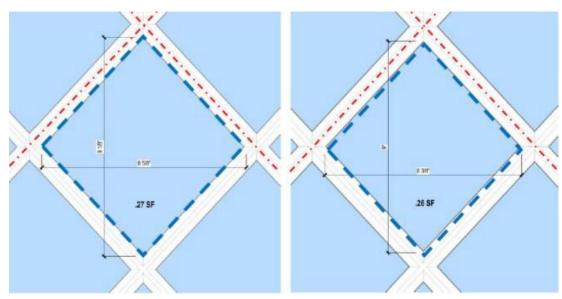
- Exposed aluminum seismic cover plate edges will have a clear anodized finish.
- Anodized finish is neutral and complementary to different materials in the setting.



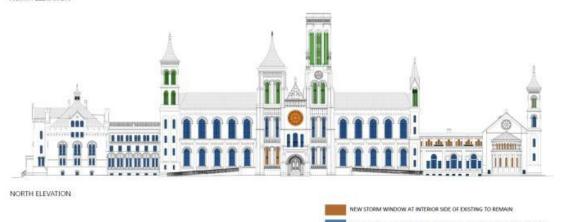
Visualization of proposed seismic joint cover at the porte cochere.



#### REPLACEMENT AND RESTORATION OF WINDOWS



Free glass comparison of a typical diamond muntin, historic at left, simulated divided light at right.

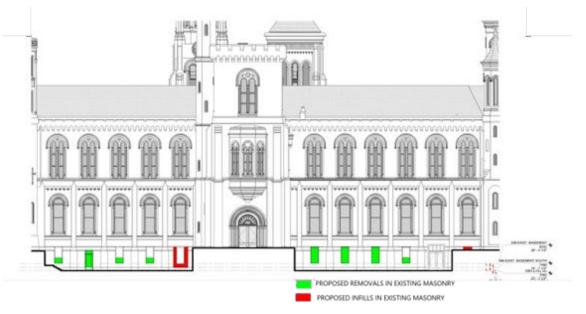


- Historic windows restored and retained in place with an interior blast resistant storm window.
- Decorative metal panels and woodwork will be salvaged, restored, and reinstalled on the blast resistant window assembly.
- Replacement windows will match in detail, and finish (red-brown).
- Replacement windows will be steel, with a simulated divided light diamond pane configuration.
- SI will consult on the physical mock-up of a window replacement.
- Consultation will be re-opened if there is intensification of adverse effect.

#### **BASEMENT LEVEL OPENINGS**

#### **Window Openings**

- Existing 3'-4" by 4'-6" windows enlarged to proposed 3'-4" by 7'.
  - Maintains existing window header and width.
  - New openings match altered window openings.
- Stones will be removed, cut and dressed, and reinstalled to accommodate the altered and new window openings.
- Sash will be a fixed double-hung with a diamond muntin pattern on the upper sash and a single light on the lower sash.
- Window configuration is in keeping with the historic sash type but differentiated as new.
- Openings will have applied iron security grilles matching the existing grille detailing.



Proposed south elevation.



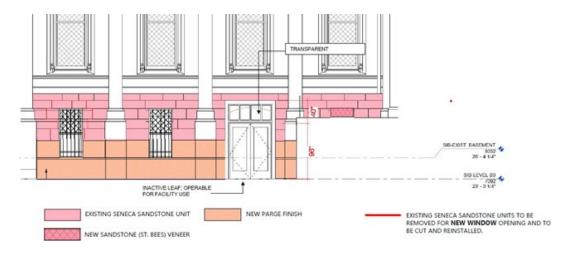
Detail elevation at the southeast basement level



#### **BASEMENT LEVEL OPENINGS**



Partial elevation of North Elevation, West Range areaway with new egress door.



Detail elevation at the southeast basement level with the c. 1871 historic door opening and proposed egress infill.

#### **Basement Egress Doors**

- Stones will be removed, cut and dressed, and reinstalled to accommodate the egress door openings.
- Historic southeast areaway masonry door opening will be maintained.
- Historic southeast areaway door infill will be single-light metal paired doors with a four-light transom.

#### **BASEMENT LEVEL INTERIOR ALTERATIONS**



Rendering of the Basement interior.

#### **Basement Level Window Openings**

Interior side of window openings will have an embrasure consistent with existing windows.

#### **Lowering of the Basement Floor**

- New construction at the historic brick piers will have a gray parge coat.
- Utilitarian pier parging is both in keeping with basement level historic character and differentiated.
- Any unanticipated found historic fabric will be considered for recordation, salvage, or preservation in place.

# **Questions or Comments**

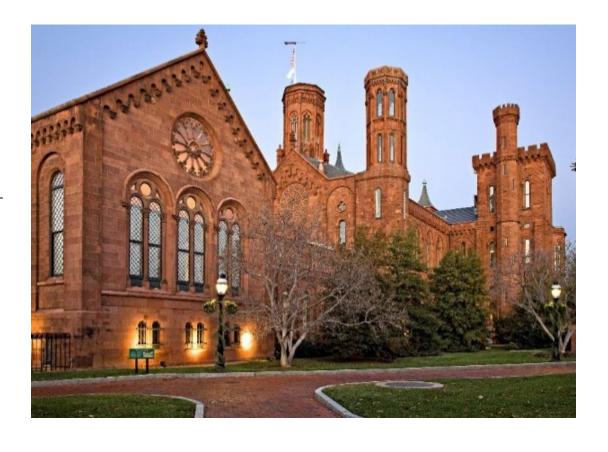
#### **MODERATOR**

**Carly Bond**, Historic Preservation Specialist

## PRESENTERS / PANELISTS

Brenda Sanchez, FAIA, Sr. Design Manager **Christopher Lethbridge**, Architect/Program Manager Matthew Chalifoux, FAIA, Sr. Historic Preservation Architect, EYP-Loring, LLC

Anthony Bochicchio, AIA, Project Manager, EYP-Loring, LLC Faye Harwell, FASLA, Landscape Architect, RHI (Rhodeside and Harwell)



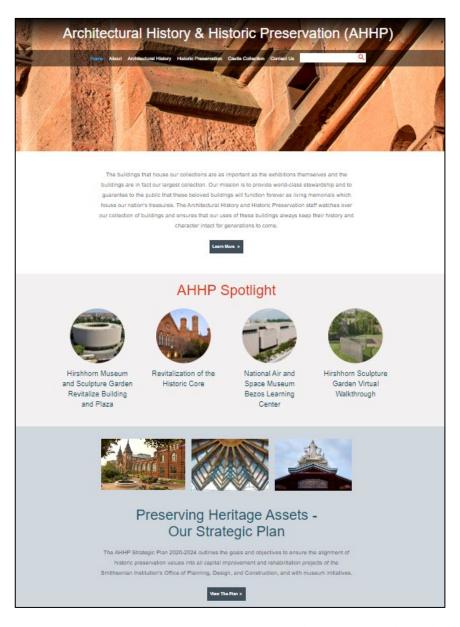
# Mitigation Measures

## **EDUCATIONAL OUTREACH**

#### **Web-based Exhibits**

AHHP will publish online exhibits on the following topics within two years of the completion of construction:

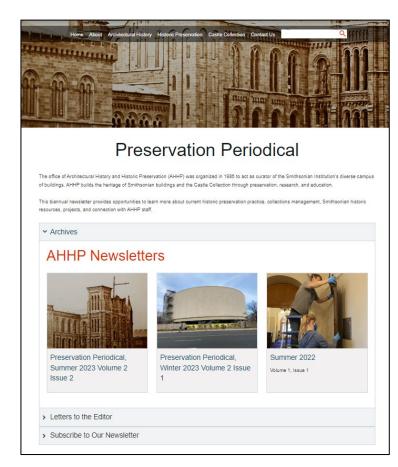
- Base isolation
- Landscape and South Yard history
- Unanticipated historic fabric or archaeological discoveries (Also in accordance with Stipulation 3.E of the PA)
- NHL Update on the Castle
- Art Room restoration

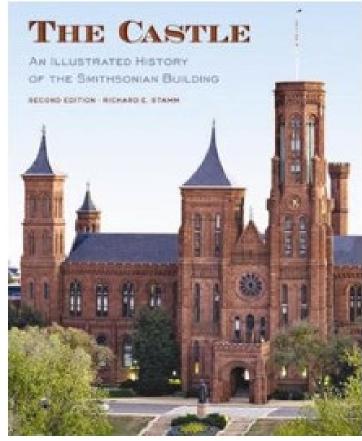


## **EDUCATIONAL OUTREACH**

### **Written Publications**

- Use the AHHP newsletter Preservation Periodical for construction updates on the Castle project during project duration.
  - Preservation Periodical is published biannually.
- Addendum chapter to *The Castle* an Illustrated History of the Smithsonian Building on the RHC project and changes to the Castle.
  - Issue the addendum chapter within two years after completing construction.





## **VIDEO WALKTHROUGHS**

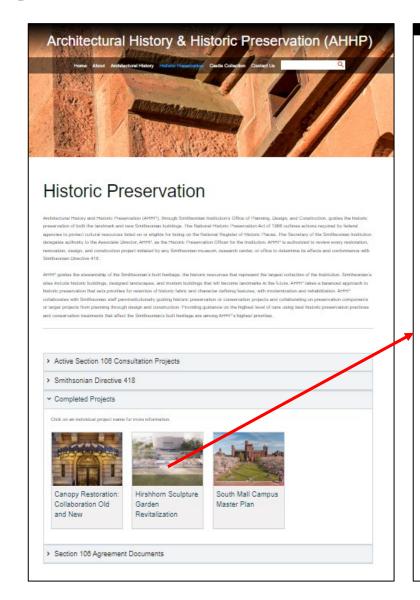
- Gather data from a Lidar and high-definition imaging scanner to create three-dimensional models of the Castle interior.
- Create video walkthroughs of the virtual experience of the Castle interior
- Data points taken from the same locations to experience the restoration work and construction changes.
- Record documentation walkthroughs of the pre-construction condition, after demolition, and after construction is complete.
- Walkthroughs posted to the AHHP webpage.
- Focus on principal interior spaces: Great Hall, Upper Great Hall, Schermer, Commons, Children's Room, Basement, Parts of East Wing.

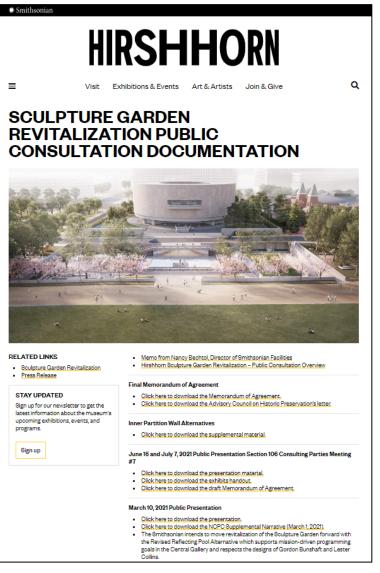
https://ahhp.si.edu/hirshhorn-museum-and-sculpture-garden



## **SECTION 106 PROJECT ARCHIVE**

- Section 106 project webpage will be archived creating a complete public record of consultation.
- Archived by Smithsonian Institution Archives.
- Part of the *Smithsonian* Institution Websites collection.
- Archived Section 106 project webpage will be posted on the AHHP website

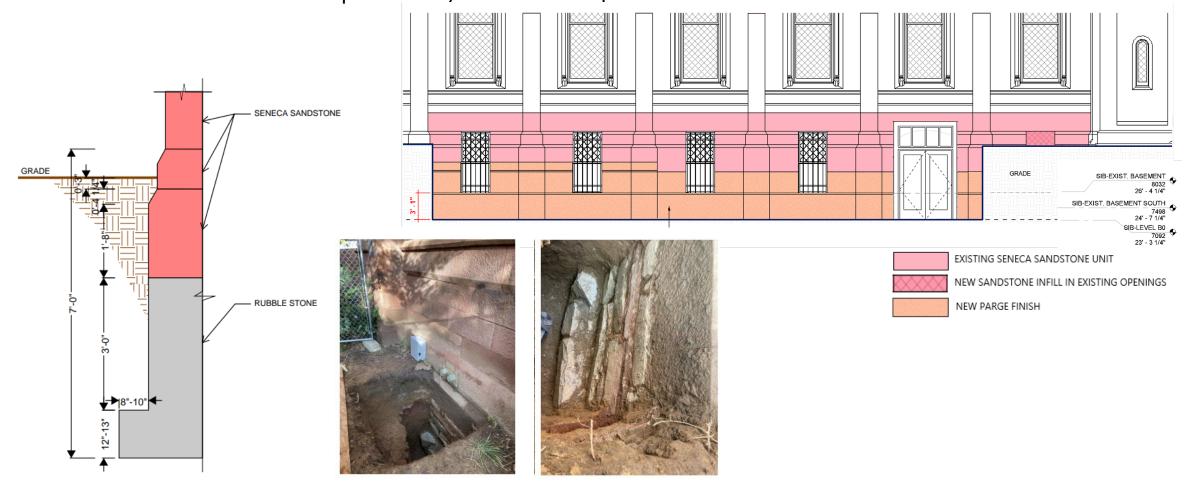




## **CASTLE FOUNDATION**

## **Rubble Stone Exhibit**

- Leave portion of the rubble stone exposed for an educational exhibit with signage.
- Rubble stone location selected in consultation during the demolition phase of the project.
- Rubble stone will be left exposed only if conditions permit.

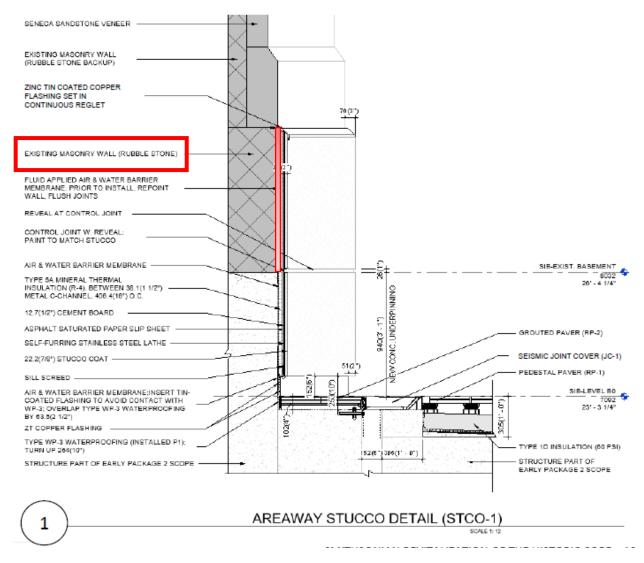


## **CASTLE FOUNDATION**

## **Rubble Stone Conservation Treatment Plan**

**AREAWAY FINISHES** | DETAILS STUCCO SYSTEM AT BUILDING

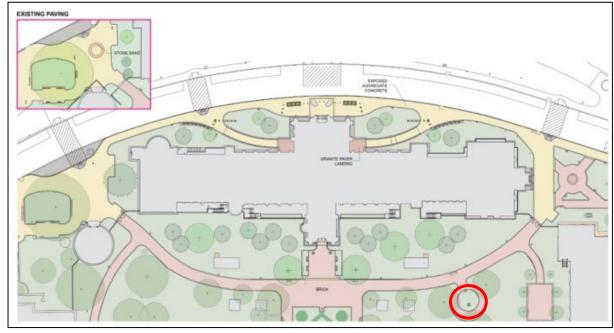




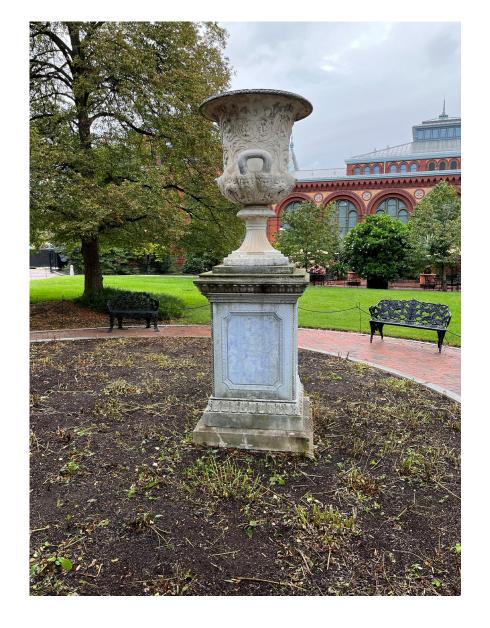


# **DOWNING URN**

- Conservation treatment of the Downing Urn
- Re-install the Downing Urn in its former location



Downing Urn location noted with a red circle.



## OTHER IDEAS UNDER CONSIDERATION

### **Interior Exhibits**

- Before and after images
- Historic fabric or unanticipated discoveries (Stipulation 10.C of the PA)
- Smartphones and QR Codes? Traditional exhibit? Combination?

## Videography

- Publish short videos to document construction
- Uncertainty on quantity of publications

## Smithsonian Folklife – Building Arts & Traditional Architecture

- Explore collaboration opportunities
- Feature building artisans that will work on the Castle during construction
- https://folklife.si.edu/building-arts-and-traditional-architecture

## **UPCOMING SECTION 106 CONSULTATION MEETINGS**

\* Subject to Change

Milestone	Date	Meeting Content *
Consulting Parties Meeting #17	October 25, 2023	Review minimization and mitigation measures
Consulting Parties Meeting #18 OR	<ul> <li>November 22, 2023</li> <li>Thanksgiving Eve – Moved to November 15?</li> </ul>	Review draft Section 106 agreement document
Consulting Parties Meeting #18	December 2023	Review draft Section 106 agreement document
	January 2024	Execute Section 106 agreement document

- Amendment to the Programmatic Agreement OR separate Memorandum of Agreement
- Phase 2 Final Submission Commission of Fine Arts, November 2023
- Phase 2 Final Submission National Capital Planning Commission, February 2024

## **ROHC REVITALIZE CASTLE – NEXT STEPS**

- Thank for your support and assistance with this critical project!
- Comments are welcoming in writing anytime to: BondC@si.edu
- Contact Carly with questions or any trouble with the recurring Zoom Webinar.



Please visit the project webpage: https://ahhp.si.edu/historic-core

# **Questions or Comments**

#### **MODERATOR**

**Carly Bond**, Historic Preservation Specialist

## PRESENTERS / PANELISTS

Brenda Sanchez, FAIA, Sr. Design Manager **Christopher Lethbridge**, Architect/Program Manager Matthew Chalifoux, FAIA, Sr. Historic Preservation Architect, EYP-Loring, LLC

Anthony Bochicchio, AIA, Project Manager, EYP-Loring, LLC Faye Harwell, FASLA, Landscape Architect, RHI (Rhodeside and Harwell)



# Smithsonian Institution

