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.
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

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SECTION 106 CONSULTATION STATUS

**Step 1**
Initiate the Process
- Define the Undertaking
- Initiate Section 106
- Identify Consulting Parties
- Involve the Public

**Step 2**
Identify Historic Properties
- Define Area of Potential Effects (APE)
- Identify Historic/Cultural Resources

**Step 3**
Assess Adverse Effects
- Assess Effects on Historic Resources
- Apply Criteria of Adverse Effect

**Step 4**
Resolve Adverse Effects
- Avoid, Minimize, and/or Mitigate Adverse Effects
- Notify ACHP of Adverse Effects
- Create Resolution 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

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Cumulative Effects on the Castle

Cumulative Effects on the National Mall Historic District
**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.
**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. **South Areaways:** 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. **Perimeter Security:** 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. **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.
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.

**Roof Materials**
- Slate shingles replaced with closest matching material available “Grayson Slate.”
- Existing lead coated copper replaced with zinc-tin coated copper.
- Shingle exposure and roof appearance maintained.

St. Bees red sandstone sample held against the Castle.
Salvaged Seneca sandstone in SI storage.
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.
**ROOF MODIFICATIONS**

- 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.

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.
Minimization Measures
PERIMETER SECURITY

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.

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.

Proposed perimeter security elements at north entry along Jefferson Drive.
PERIMETER SECURITY

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.
PERIMETER SECURITY

Detail rendering of perimeter security with Olympic Black granite.
PERIMETER SECURITY

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

- Visible historic chimneys, dormers, and ventilators will be retained.
- Additional mechanical modifications occur within the attic interior.
- North Entry Hyphen penthouses—preferred 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.

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.
AREAWAYS AND WINDOW WELLS – FINISHES

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.
AREAWAYS AND WINDOW WELLS – FINISHES

Option 1 – From September CP Meeting

TINTED STUCCO AT CASTLE; LIGHT GRAY STUCCO AT RETAINING WALL
AREAWAYS AND WINDOW WELLS – FINISHES

Option 2

TINTED STUCCO AT CASTLE; DARK GRAY STUCCO AT RETAINING WALL

RETAINING WALL FINISH
DARK GRAY STUCCO
COMBED FINISH

UNDERPINNING FINISH
TINTED STUCCO
AREAWAYS AND WINDOW WELLS – FINISHES

Option 3

LIGHT GRAY STUCCO AT BOTH SIDES

RETAINING WALL FINISH
LIGHT GRAY STUCCO

UNDERPINNING FINISH
LIGHT GRAY STUCCO
AREAWAYS AND WINDOW WELLS – FINISHES

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
AREAWAYS AND WINDOW WELLS – FINISHES

Option 4
TINTED STUCCO FINISH AT BOTH SIDES
AREAWAYS AND WINDOW WELLS – FINISHES

Option 4a

TINTED STUCCO COMBED FINISH AT BOTH SIDES
AREAWAYS AND WINDOW WELLS – FINISHES

Option 4b
TINTED STUCCO AT CASTLE; TINTED STUCCO AT RETAINING WALL
SEISMIC CONTROL JOINT COVER PLATE – FINISHES

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".

- 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.

Partial site plan noting the seismic joint line location at the porte cochere.
SEISMIC CONTROL JOINT COVER PLATE – FINISHES

- 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.

Materials adjacent to the seismic control joint cover around the Castle’s site, with the closest options for metal finish.
REPLACEMENT AND RESTORATION OF WINDOWS

- 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.
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

Baseline 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
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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 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.
Rubble Stone Exhibit

1. Leave portion of the rubble stone exposed for an educational exhibit with signage.
2. Rubble stone location selected in consultation during the demolition phase of the project.
3. 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](https://folklife.si.edu/building-arts-and-traditional-architecture)
### UPCOMING SECTION 106 CONSULTATION MEETINGS

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<td>Consulting Parties Meeting #17</td>
<td>October 25, 2023</td>
<td>• Review minimization and mitigation measures</td>
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<tr>
<td>Consulting Parties Meeting #18 OR</td>
<td>November 22, 2023</td>
<td>• Review draft Section 106 agreement document</td>
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<td>OR</td>
<td>November 15?</td>
<td>• Thanksgiving Eve – Moved to November 15?</td>
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<tr>
<td>Consulting Parties Meeting #18</td>
<td>December 2023</td>
<td>• Review draft Section 106 agreement document</td>
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<td>January 2024</td>
<td>• Execute Section 106 agreement document</td>
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- 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

* Subject to Change
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

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