



ROCR BATTLEGROUND NATIONAL CEMETERY

ACCESSIBLE WALKWAY & LANDSCAPE IMPROVEMENTS

CONSULTING PARTIES DESIGN REVIEW

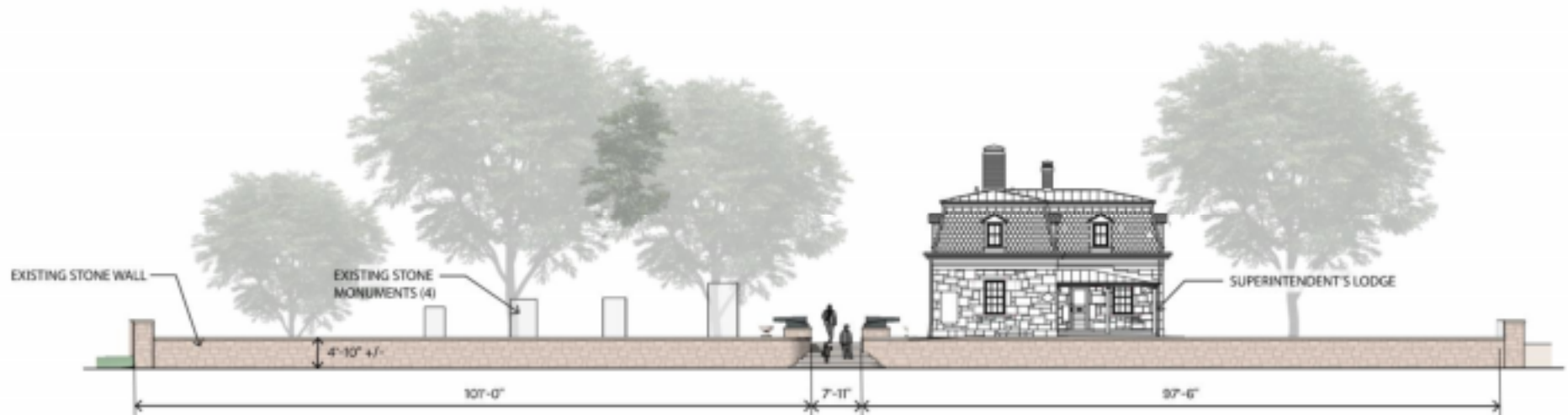
SMITHGROUP



PROJECT PURPOSE

BATTLEGROUNND NATIONAL CEMETERY

Construct a new universally accessible (ABAAS) walkway and rehabilitate the cultural landscape (vegetation) of this Civil War National Cemetery in a compatible manner that protects the historic resources and improves visitor experience.



EXISTING SITE ELEVATION

DESIGN DEVELOPMENT PROCESS AND SCHEDULE

BATTLEGROUND NATIONAL CEMETERY

Completed | Phase 1 Site Analysis and CLR/HSR Review | Fall 2021

Completed | Alternative Concepts | Fall 2021

Completed | 35% Preferred Concept Design | Spring 2022

Completed | 35% Agency Review | Fall 2022

Completed | Phase 2 - Additional Site Analysis - Phase 2 | Spring 2023

Completed | 50% Design Review - NPS and Agency Review | Winter 2024

Completed | 90% Complete CD Set | Spring 2024

★ **YOU ARE HERE | 100% Draft CD Set | Summer 2024**

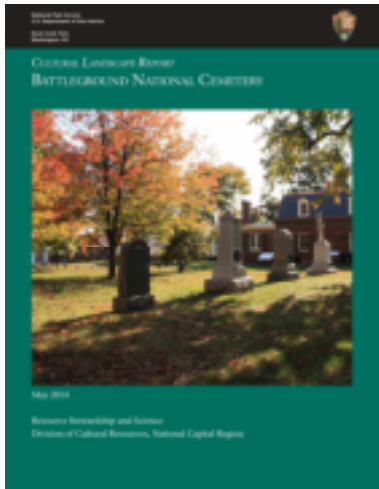
Pending | Final CDs and Permits | Fall 2024

Pending | Construction | 2025 - 2027

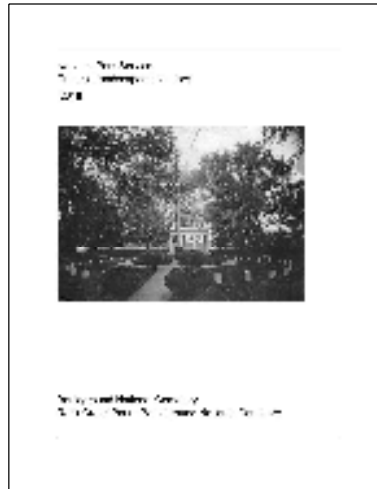
HISTORIC LANDSCAPE

BATTLEGROUND NATIONAL CEMETERY

- Established after Battle of Fort Stevens (1864)
- Lodge designed by Quartermaster General Montgomery C. Meigs
- Cultural Landscape and Lodge listed on the National Register of Historic Places
- Period of significance 1864 to 1936



2014 Cultural Landscape Report
NPS National Capital Region



2018 Cultural Landscape Inventory
Battleground National Cemetery

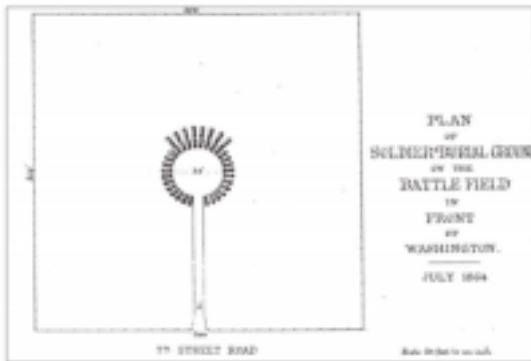


Circa 1907 - 1914 image of the cemetery
Library of Congress, Prints and Photographs

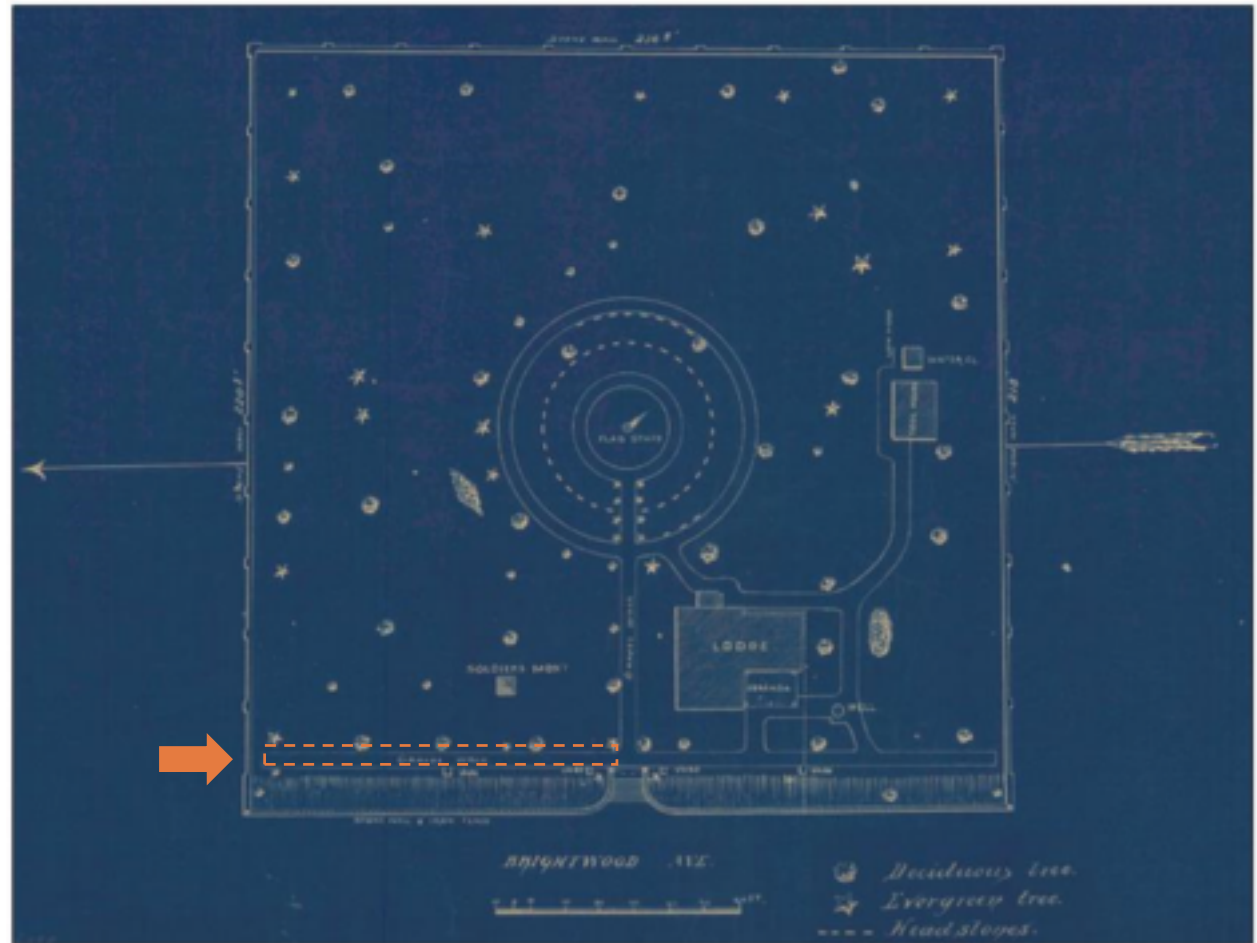
HISTORIC LANDSCAPE

BATTLEGROUND NATIONAL CEMETERY

- 1893 Map (to the right) documents historic cemetery layout, vegetation, paths encircling graves and flagpole, as well as central walkway and walkway running parallel to the west wall.
- The new universally-accessible walkway is being proposed at this approximate location.
- New tree replanting proposed at locations of lost original trees.



1864 Map of Battleground National Cemetery



1893 Map of Battleground National Cemetery

National Archives and Records Administration, Cartographic and Architectural Records

EXISTING CONDITIONS

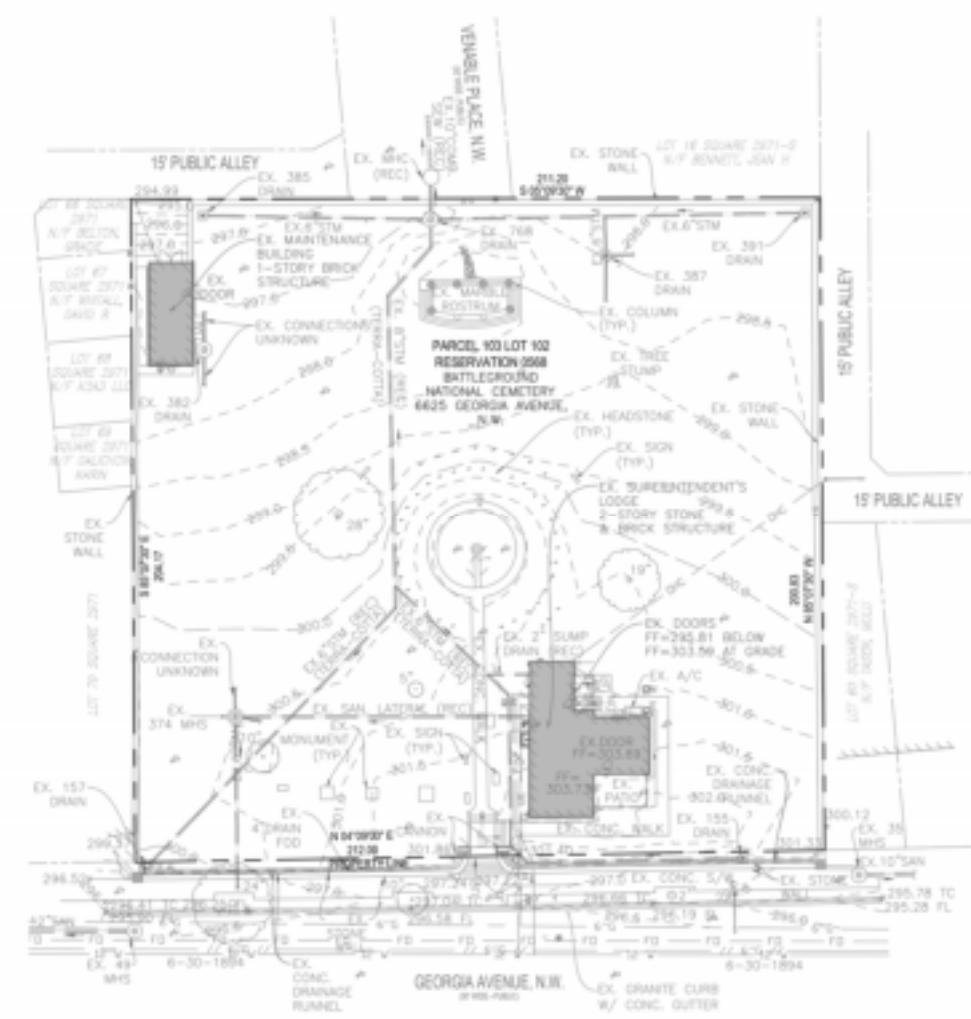
BATTLEGROUND NATIONAL CEMETERY

- Battleground National Cemetery is in a residential neighborhood in NW DC.
- The only public entry to the cemetery is a non-accessible main staircase entry along Georgia Ave NW.
- A 166-year-old historic walls encircles the cemetery on all four sides.
- The north and south walls of the site share property lines with adjacent residences, and the site boundary line lies just outside the existing masonry walls on the north, east, and south ends, while the west wall is within the DC right-of-way.



EXISTING CONDITIONS

BATTLEGROUND NATIONAL CEMETERY



EXISTING ENTRANCE STAIRS



VIEW SHOWING LIMITED EXISTING VEGETATION

KEY SITE FEATURES

BATTLEGROUNND NATIONAL CEMETERY

- Lodge
- Historic Masonry Walls
- Flagpole & Headstones
- Rostrum
- Tool Shed
- Cannons
- Urns
- Monuments



SITE INVESTIGATIONS

BATTLEGROUND NATIONAL CEMETERY

1. Walkways and Circulation

- NPS and SG conducted site investigations to develop alternative concepts for a new accessible entrance and walkway that would provide universal access and improve overall user experience.
- Preferred design concept involved a northwest wall entry gate and accessible walkway offset from north and inset into the west wall.
- Existing walkways and landing require universal accessibility improvements.

2. Landscape Plantings

- The preferred concept was selected for compatibility with the historic landscape and its minimal impact on vegetation and cultural landscape rehabilitation.
- Historic landscape is missing numerous trees, shrubs, and healthy lawn that require replanting.



SITE INVESTIGATIONS

BATTLEGROUND NATIONAL CEMETERY

3. Grading and Drainage

- Site grading and drainage conditions were assessed during site investigation.
- Site drainage recommendations involved replacing pipes, clearing debris, connecting new storm drainpipes, and ensuring proper grading.
- Irrigation and water hydrants will be included as part of upgrades.

4. Historic Wall Conservation

- Conducted an investigation of the historic north wall that focused on structural, foundation, and masonry conditions.
- Structural measures for conserving the wall include addressing delamination, deterioration, weakened joints, and installing new concrete wall as part of the accessible walkway.
- Masonry recommendations cover general cleaning, repointing, replacement of stone units, biological growth and calcium crust removal, and addressing crack-related issues.



DESIGN OVERVIEW

DRAFT 100% SITE PLAN


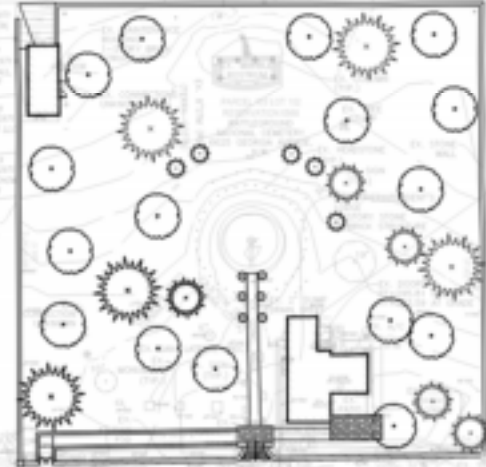
NPS DESIGN | OVERVIEW

BATTLEGROUND NATIONAL CEMETERY

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

ACCESSIBLE WALKWAY & LANDSCAPE IMPROVEMENTS AT BATTLEGROUND NATIONAL CEMETERY

BATTLEGROUND NATIONAL CEMETERY PMIS NO. 240738
6625 Georgia Ave. NW, Washington D.C. 20012 ROCR 821-175317A

GEORGIA AVENUE NW

SCALE 1" = 10' 0"


SCALE OF FEET

PROJECT DESCRIPTION:
THE PROJECT OBJECTS OF RECONSTRUCTING THE CULTURAL LANDSCAPE AND CONSTRUCTING AN ACCESSIBLE ENTRY AND WALKWAY INTO THE HISTORIC BATTLEGROUND NATIONAL CEMETERY, ADMINISTERED BY THE NATIONAL PARK SERVICE (NPS) - ROCK CREEK PARK (ROCR). CURRENTLY, THE SITE HAS NO ENTRANCE THAT IS AMERICAN BARRIERS ACT ACCESSIBILITY STANDARD (ABAAS) COMPLIANT.

THE PROJECT WILL REMOVE A PORTION OF THE EXISTING HISTORIC RETAINING WALL TO CREATE AN ABAAS ACCESSIBLE ENTRY AND WALKWAY WITH LOW RETAINING WALLS INTO THE NATIONAL BATTLEGROUND CEMETERY FROM GEORGIA AVE NW (GENERAL). IN ADDITION, THE EXISTING MAINTENANCE TRAIL ENTRANCE WILL BE RECONSTRUCTED ALONG WITH THE CONSTRUCTION LANDSCAPE AREA AND PLANTING SYSTEM TO MORE CLOSELY RESEMBLE THE HISTORIC CONFIGURATION AND PROVIDE A UNIVERSALLY-ACCESSIBLE APPROACH TO THE CEMETERY AT THE MAIN FRONT ENTRY. THE WEST WALL ALONG GEORGIA AVENUE WAY AND WEST END SECTION OF MAINTENANCE TRAIL WILL RECEIVE CONSTRUCTION TREATMENT INCLUDING CLEANING AND REPAIRING. TWO MAINTENANCE TRAIL WALLS WILL BE INSTALLED ON-SITE TO PROVIDE LANDSCAPE IRRIGATION. ONE (1) EXISTING GATE REMOVAL AND TWO (2) NEW GATE INSTALLATIONS WITH HANDRAILS TO BE ADDED. TREES WILL BE REPLANTED AND ADDITIONAL LANDSCAPE PLANTINGS WILL BE ADDED TO THE SITE.

WITH THE PROPOSED CONSTRUCTION, EXISTING STORM DRAINAGE INFRASTRUCTURE ALONG THE RETAINING WALL WILL BE DEMOLISHED AND NEW IMPROVED STORM DRAINAGE INFRASTRUCTURE WILL BE CONSTRUCTED AT THE NORTHWEST CORNER OF THE SITE. PROPOSED GRADING WILL BE PROVIDED TO IMPROVE DRAINAGE TO STORM DRAINS & FURNISH TEMPORARY EROSION & SEDIMENT CONTROLS WILL BE CONSTRUCTED INCLUDING SILT PROTECTION AND SILT FENCE.

W COUNTY MAP



INDEX OF DRAWINGS

DATE	NO.	DESCRIPTION
01/17/18	001	CONTRACT ADMINISTRATION
01/17/18	002	CONTRACT ADMINISTRATION
01/17/18	003	CONTRACT ADMINISTRATION
01/17/18	004	CONTRACT ADMINISTRATION
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01/17/18	099	CONTRACT ADMINISTRATION
01/17/18	100	CONTRACT ADMINISTRATION

GENERAL NOTES

1. ALL ARCHITECTURAL & ENGINEERING WORK SHALL CONFORM TO THE LATEST EDITION OF THE INTERNATIONAL BUILDING CODE (IBC) & FAMILY OF INTERNATIONAL CODES. WORK SHALL CONFORM TO THE LIFE SAFETY CODE.
2. ALL NEW WORK SHALL COMPLY WITH ABAAS, THE ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARD, WHICH IS GSAT ACCESSIBILITY STANDARD UNDER THE ARCHITECTURAL BARRIERS ACT (ABA).
3. UTILITY MARKING NOTIFY MISS UTILITY OR OTHER QUALIFIED UTILITY LOCATING SERVICE AS NOTED FROM TO COMMENCEMENT OF ON-SITE WORK. CONTRACTORS SHALL BE RESPONSIBLE FOR CONSULTING MISS UTILITY OR PRIVATE UTILITY LOCATING SERVICE IN ADVANCE FOR MARKING OF ALL UNDERGROUND UTILITIES WITHIN WORK ZONES WHERE DIGGING, TEST PITS, TRENCH, ETC. ARE ANTICIPATED. CALL 811.
4. NOTIFY NPS (24 HOURS) A MINIMUM OF 72 HOURS IN ADVANCE OF BORING, DRIVING OR ANY OTHER GEOTECHNICAL ACTIVITIES. A NPS ARCHITECT/PLANNING AND/OR CULTURAL RESOURCE MANAGER MAY BE INVOLVED TO OBSERVE WORK IN PROGRESS.
5. ALL WORK SHALL BE IN ACCORDANCE WITH STANDARD OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS AND REGULATIONS.
6. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL CONSTRUCTION PERMITS. SEE SPECIFICATION SECTION 01310, SUMMARY OF WORK FOR LIST OF APPLICABLE PERMITS AND DOCUMENTATION.

A/E FIRM
BATHURSTON
202-942-2100

COVER SHEET
1 OF 2 SHEETS

FOUR SUBMISSION

C0.01

NO. 1007 10000

REVISIONS OF THE DESIGN OR
CONSTRUCTION SHALL BE NOTED ON THIS SHEET.

BATTLEGROUND NATIONAL CEMETERY
ROCK CREEK PARK
DC 20012

01 of 55

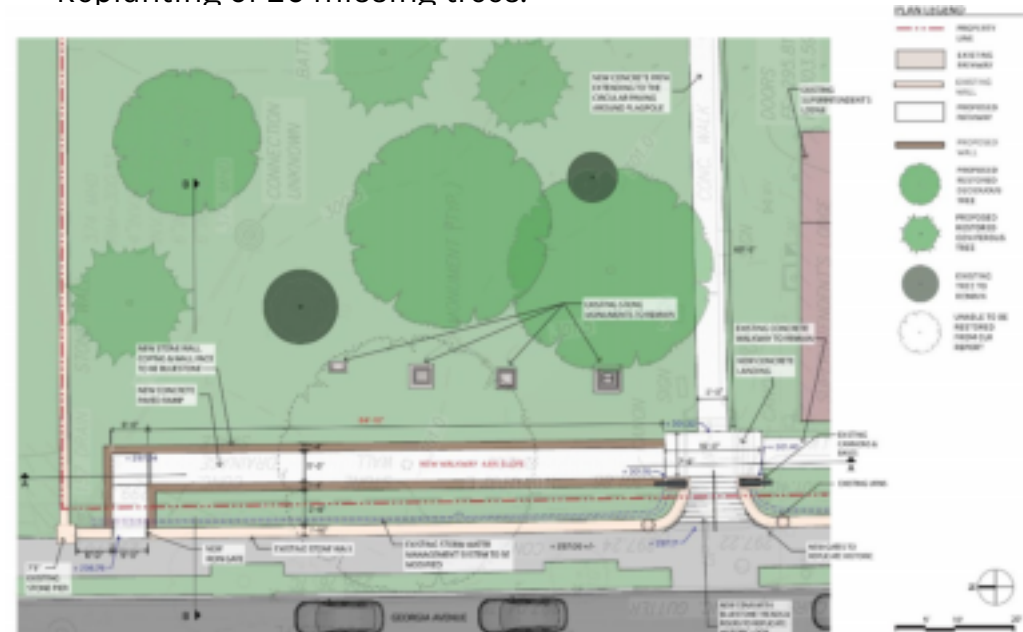
NPS DESIGN | OVERVIEW

BATTLEGROUND NATIONAL CEMETERY

The proposed design introduces a new universally-accessible walkway accessed from the northwest corner of the site that ends at a landing at the top of the entry stairs and includes replanting of trees based on the recommendation of the 2014 Cultural Landscape Report.

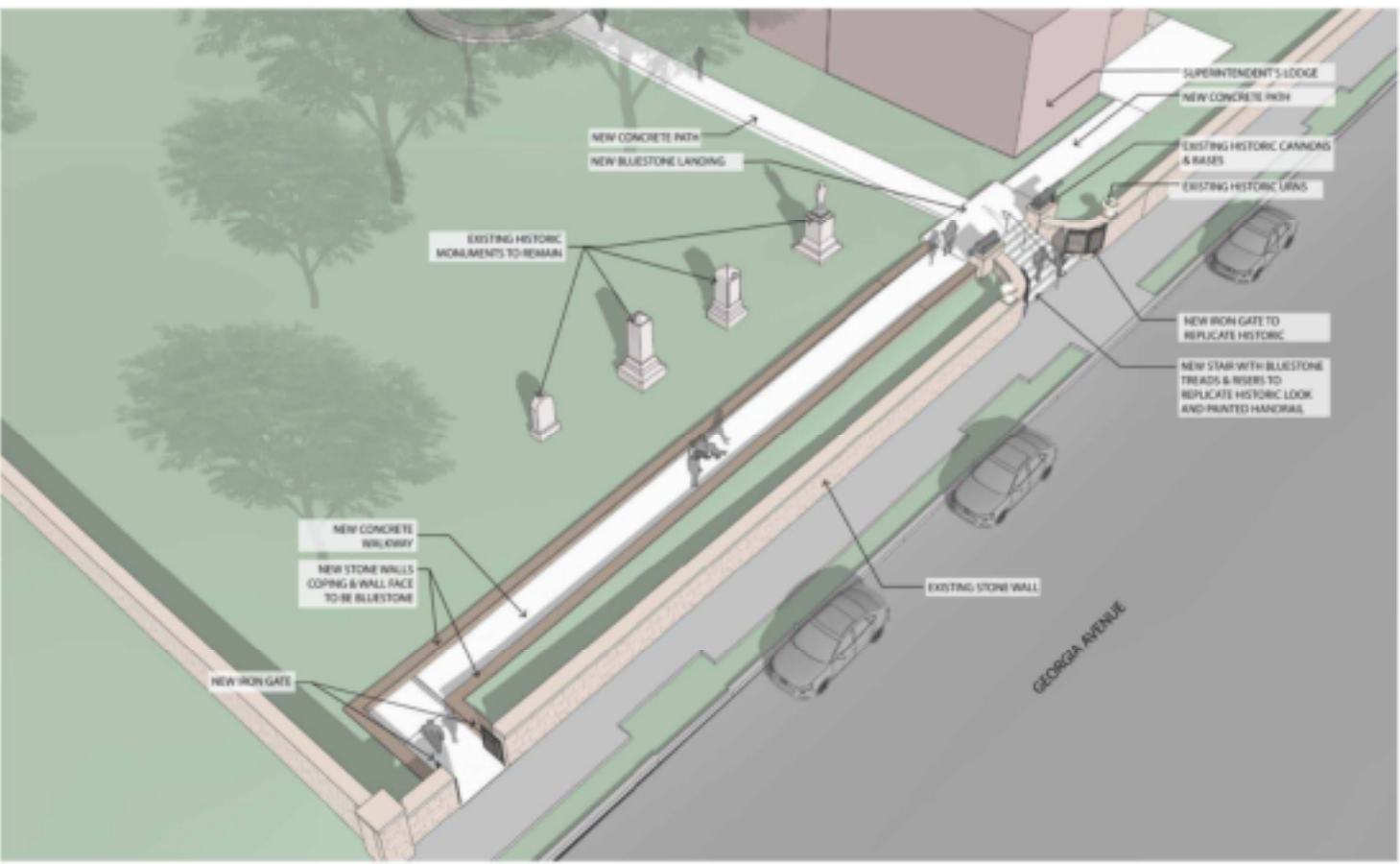
- A new 6' wide secondary opening is created in the historic west wall.
- New walkway is located 6' offset from both the north and west walls to avoid structural impact on the historic north wall.
- New retaining walls on either side of the walkway.
- Drainage swale created between historic wall and new retaining wall.
- Repair of necessary storm drains and site drainage.
- New accessible universally-accessible walkway slope is 4.9% or less.

- Entry stair reconfigured to resemble the c. 1910.
- Most direct access to central path and lodge.
- Replace/replant lost historic vegetation.
- Replanting of 26 missing trees.



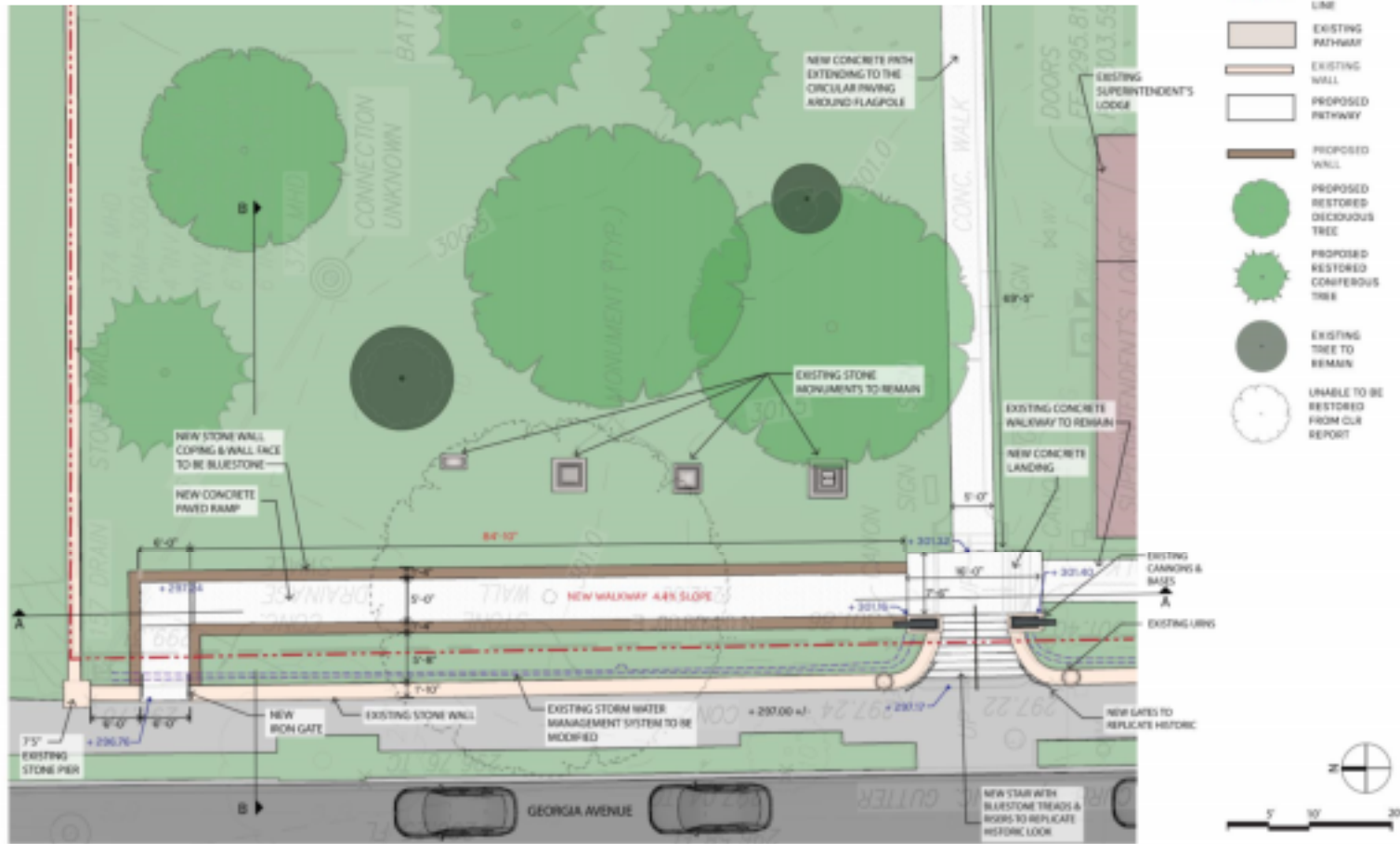
NPS DESIGN | AERIAL VIEW

BATTLEGROUND NATIONAL CEMETERY



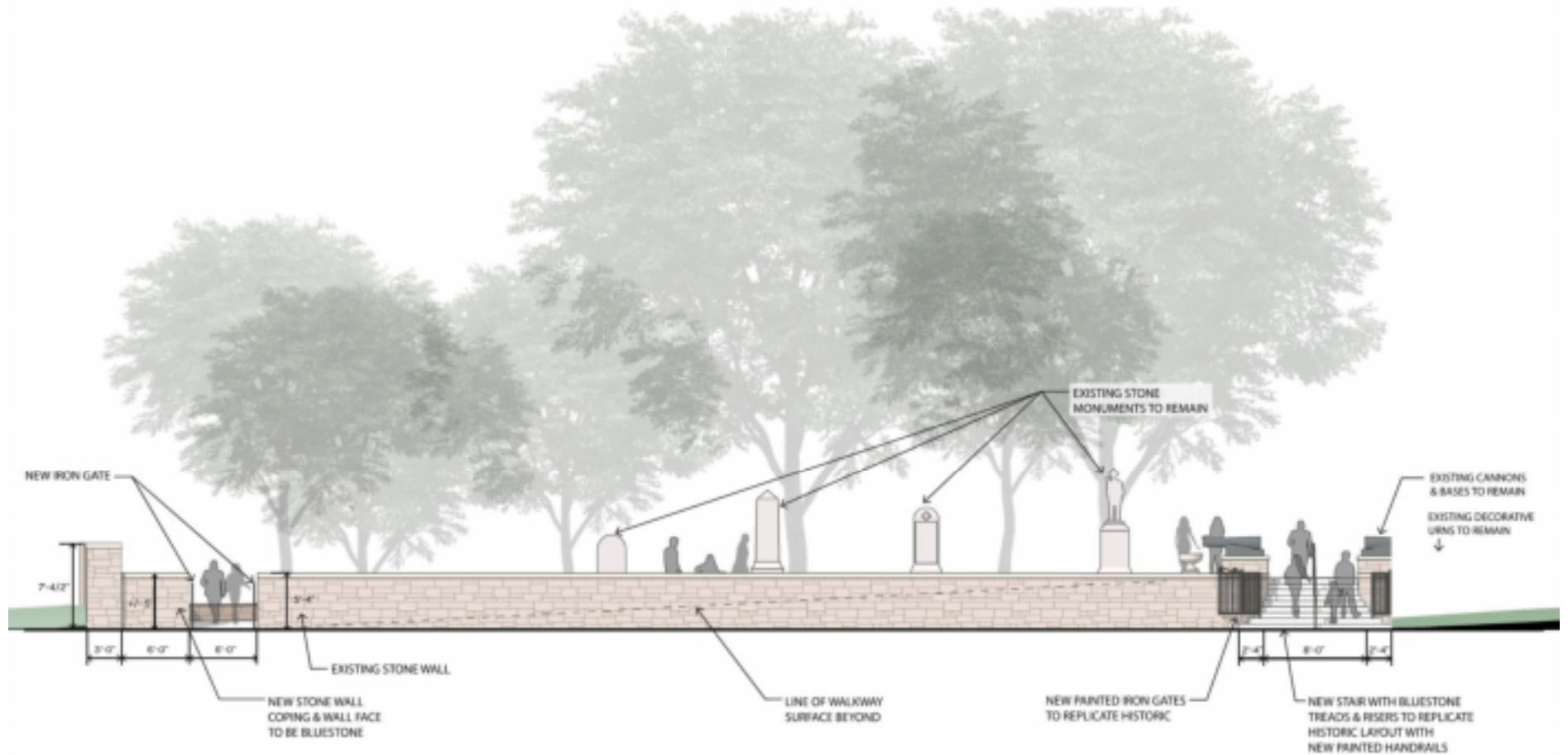
NPS DESIGN | PARTIAL SITE PLAN

BATTLEGROUND NATIONAL CEMETERY



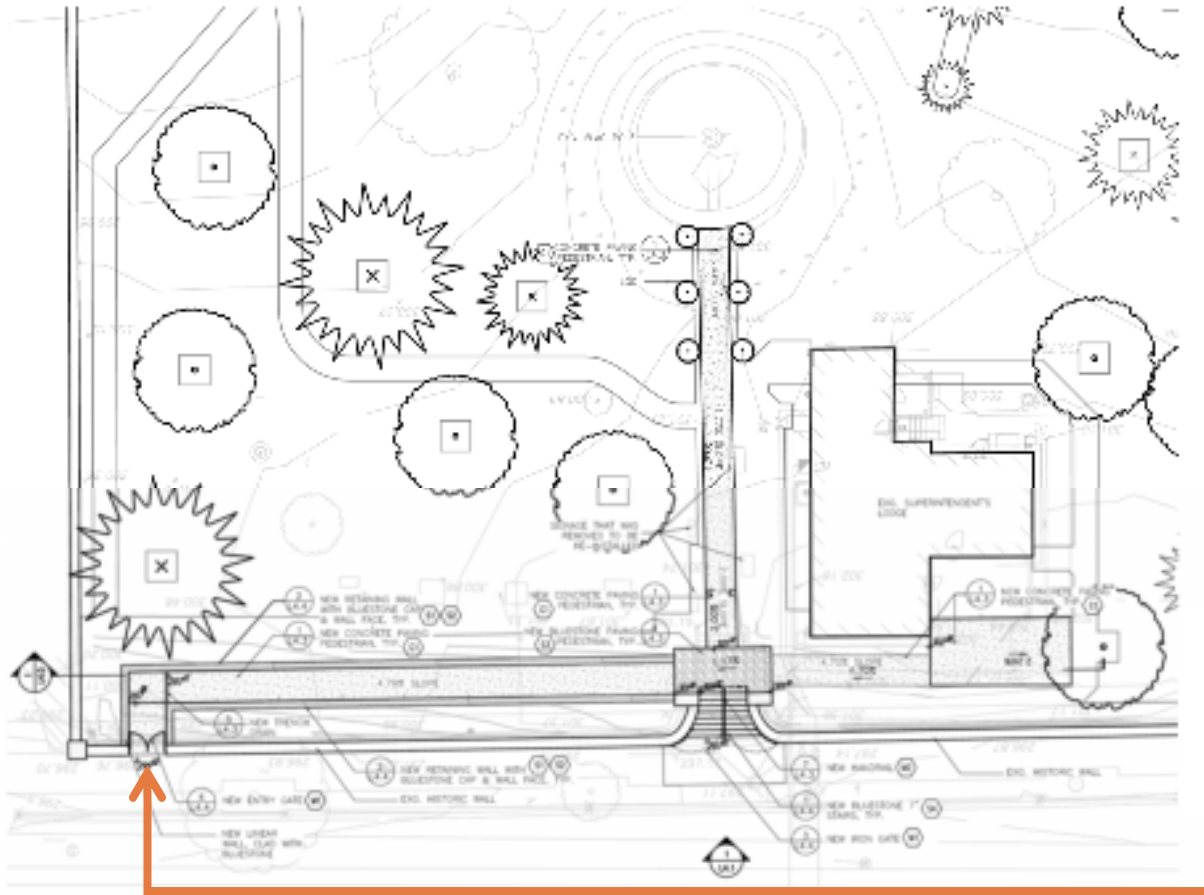
NPS DESIGN | WEST ELEVATION FROM STREET

BATTLEGROUND NATIONAL CEMETERY



NPS DESIGN | ACCESSIBLE WALKWAY ENTRANCE

BATTLEGROUND NATIONAL CEMETERY



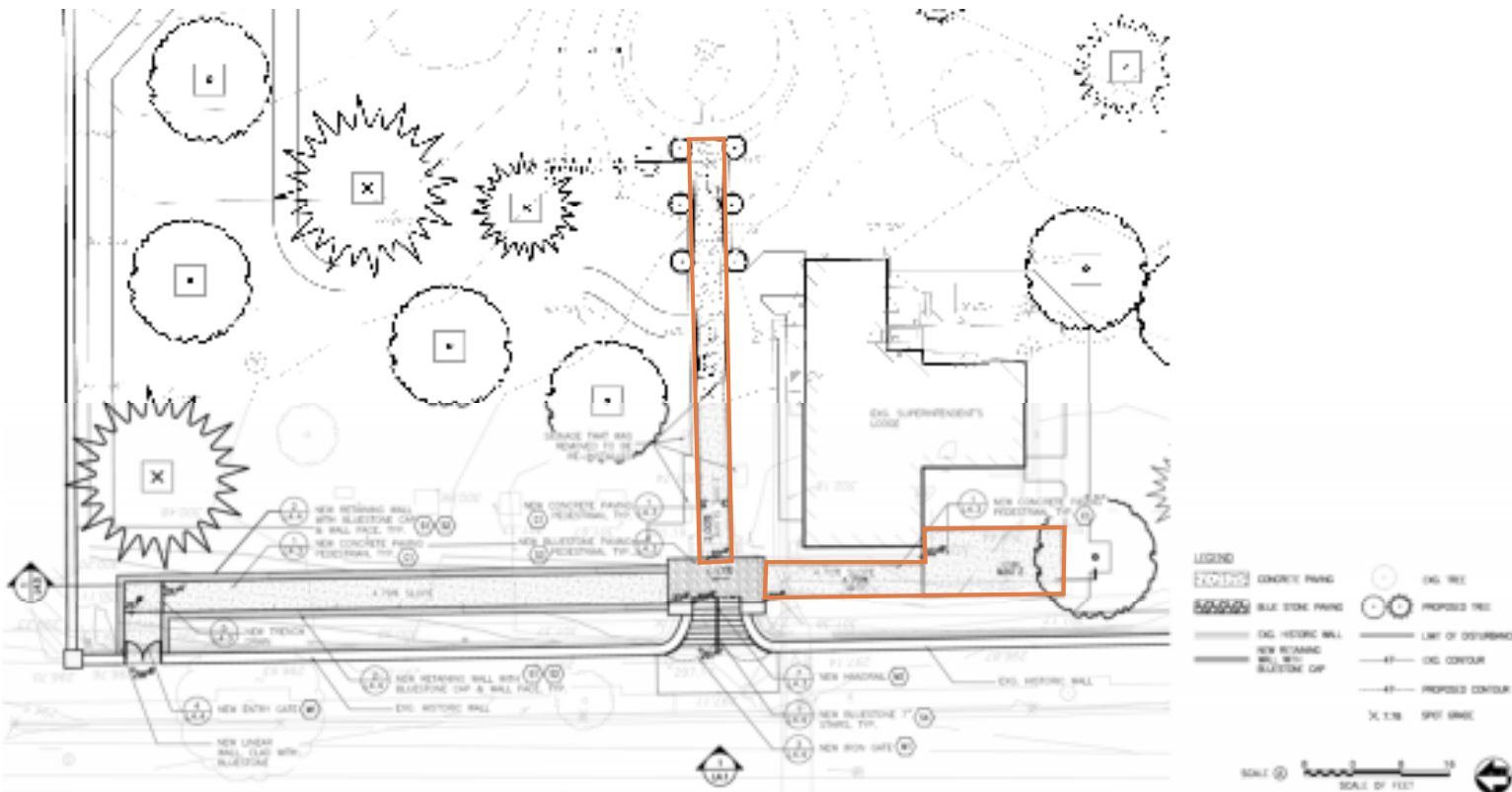
NEW OPENING LOCATION

To avoid impact on the existing structure of historic walls, the new entrance gate and ABAAS walkway are offset 6' from both west and north wall foundations.

NPS DESIGN | ACCESSIBLE WALKWAYS

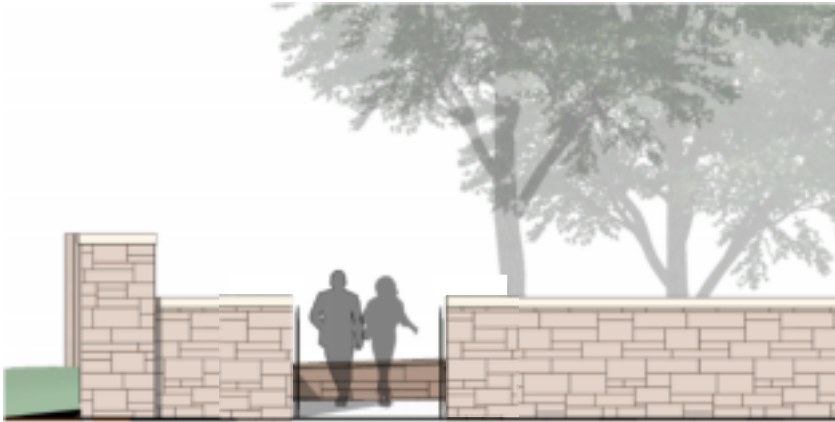
BATTLEGROUND NATIONAL CEMETERY

Redesigned landing at junction of steps and walkways and main cemetery axis walkways to be universally accessible.



NPS DESIGN | SITE ENTRY ENHANCEMENTS

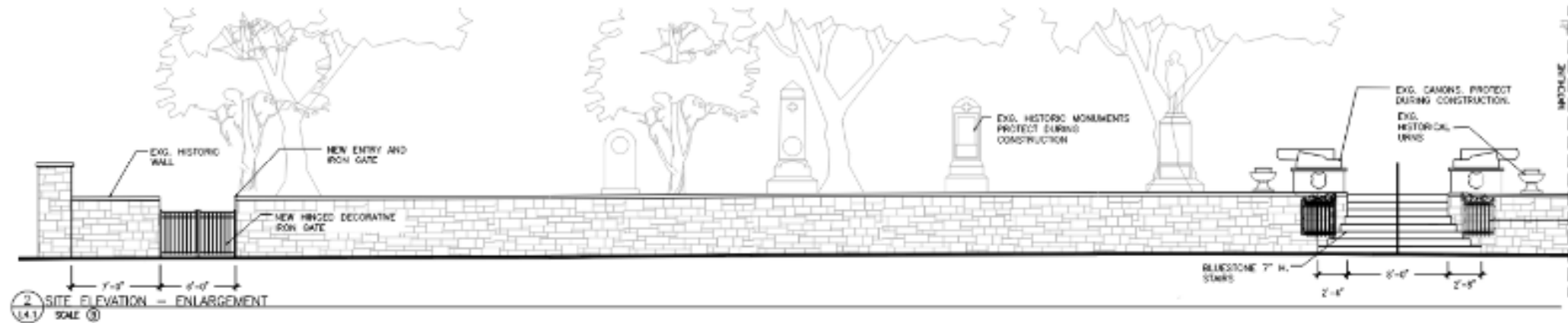
BATTLEGROUND NATIONAL CEMETERY



ENLARGED NORTH ACCESSIBLE ENTRY ELEVATION



ENLARGED SOUTH ENTRY ELEVATION

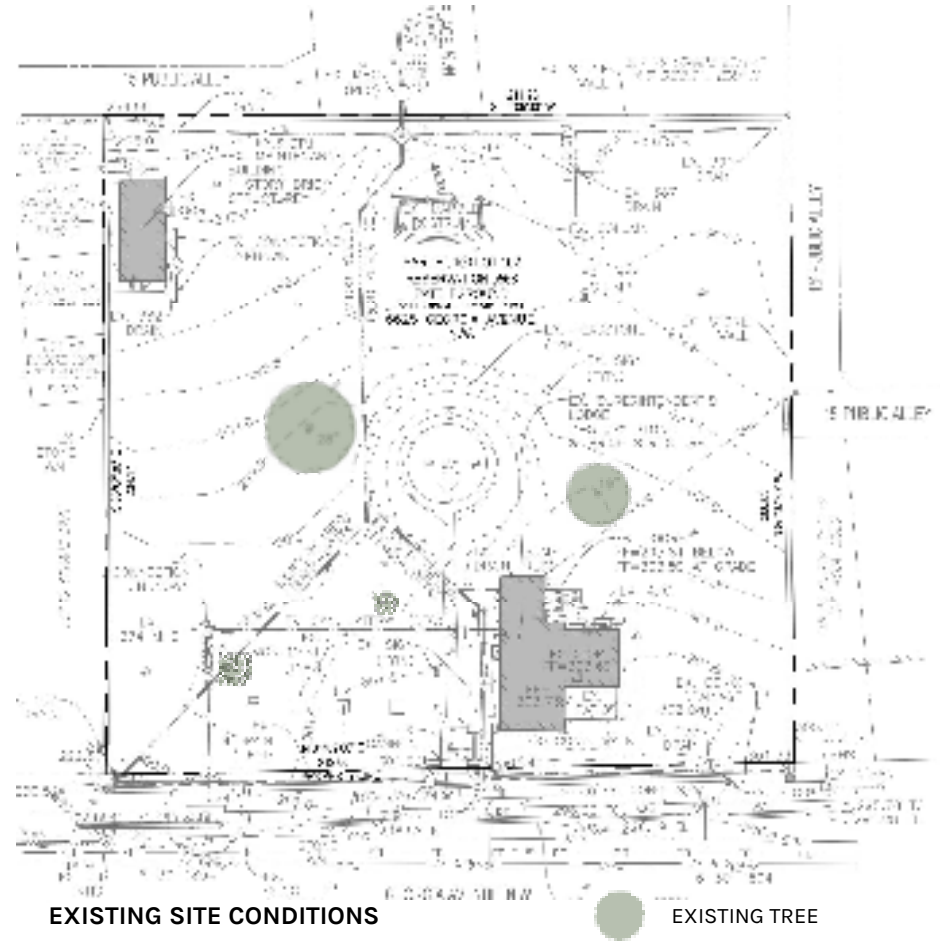


NPS DESIGN | HISTORIC LANDSCAPE PLANTING PLAN

BATTLEGROUND NATIONAL CEMETERY



2014 CULTURAL LANDSCAPE REPORT (CLR) PLANTING PLAN



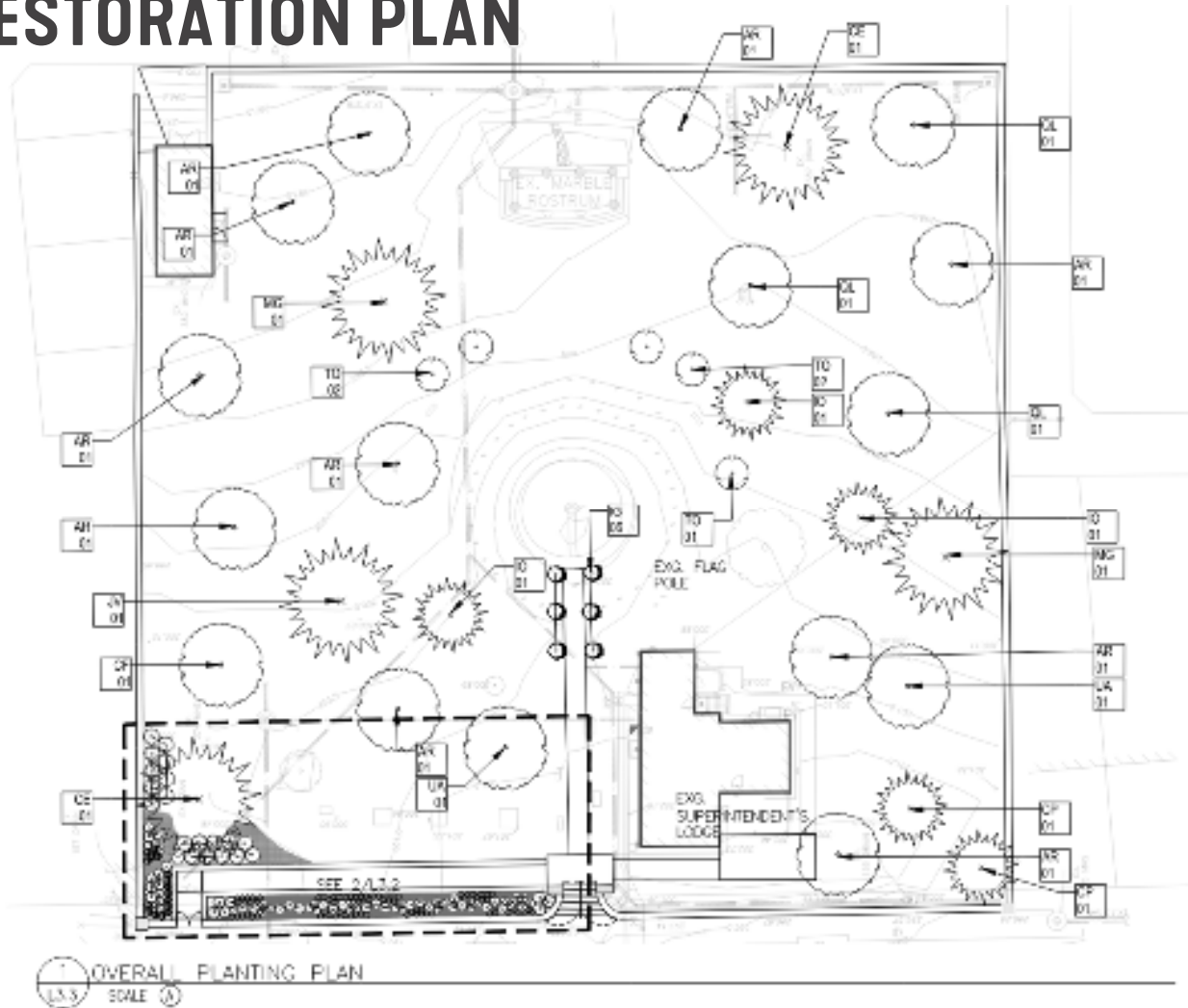
EXISTING SITE CONDITIONS

EXISTING TREE

NPS DESIGN | PLANTING RESTORATION PLAN

BATTLEGROUND NATIONAL CEMETERY

- 1 existing tree being removed by the National Park Service will be replaced.
- Replanting 26 missing trees.
- Draft planting plan primarily follows 2014 CLR recommendations.
- New swale between historic and new retaining walls.
- Boxwood Hedge replacement and lawn rehabilitation.
- Ground cover installed at swale and northwest corner of the site.



NPS DESIGN | SITE GRADING & DRAINAGE

BATTLEGROUND NATIONAL CEMETERY

RECOMMENDATIONS

- Site drainage recommendations involve replacing existing drainage pipes, clearing debris, connecting new storm drainpipes, and ensuring proper grading.
- Concrete drainage runnels along existing historic west wall will be replaced.



NPS DESIGN | CONSERVATION OF HISTORIC WALLS

BATTLEGROUNND NATIONAL CEMETERY

RECOMMENDATIONS

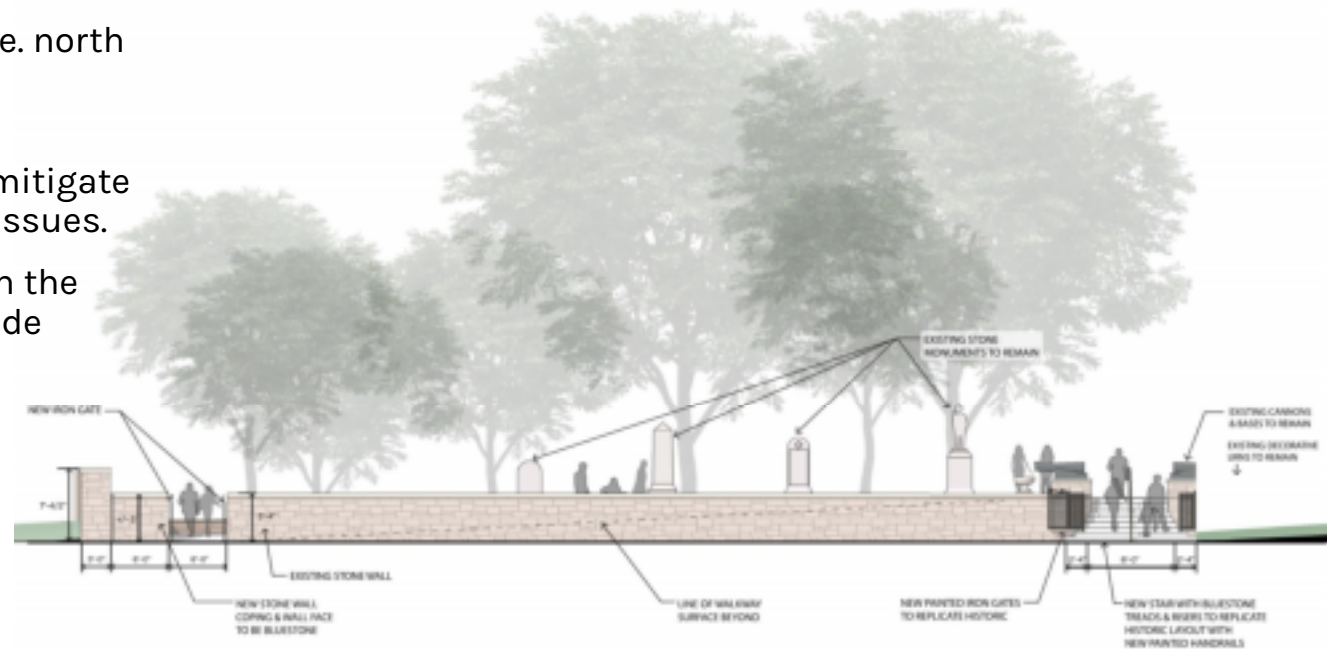
- Structural measures include addressing delamination, deterioration, weakened joints, and installing new concrete walls.
- Masonry recommendations cover general cleaning, repointing, replacement of stone units, biological growth and calcium crust removal, and addressing crack-related issues.



NPS DESIGN | PROJECT BENEFITS

BATTLEGROUND NATIONAL CEMETERY

- Rehabilitation and protection of this important cultural landscape.
- Universal accessibility provided into the site.
- Conservation of historic resources (i.e. north and west historic walls).
- Preventative measures to improve stormwater management on site to mitigate the potential for future hydrological issues.
- Increased plant material to align with the original historic landscape and provide additional shade for visitors.



THANK YOU

