

Thomas Jefferson Memorial Targeted Accessibility Improvement Program (TAIP)

National Park Service
US Department of the Interior





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Purpose and Need

- Purpose:
 - To make the experiences and facilities of the Thomas Jefferson Memorial accessible to all visitors by removing or reducing barriers.

- Need:
 - Jefferson Memorial currently has only one accessible route to the statuary chamber level

 - From the Tidal Basin, the accessible route travels around the Memorial, to the south side ramp and back towards the Tidal Basin to the lower level entrances (accessible route is over 1,000 feet long).



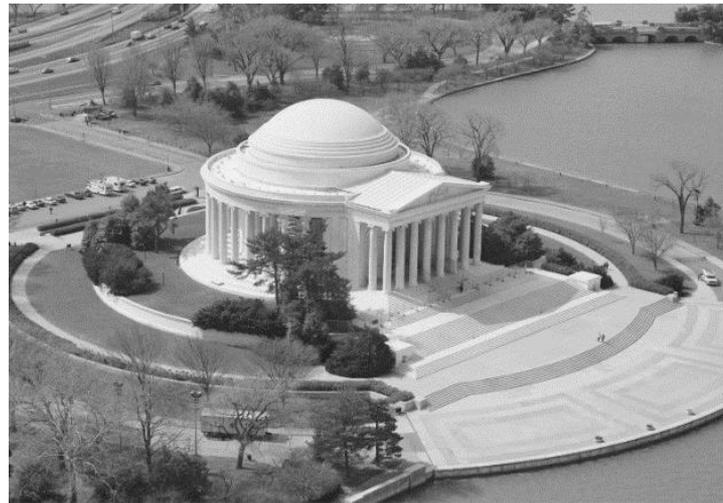
Site Location





Site History

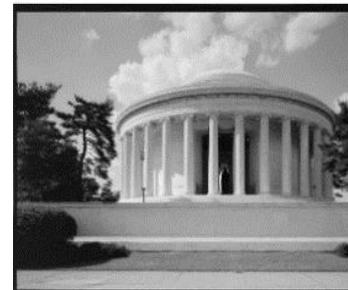
- In 1937, John Russell Pope chosen as the architect for the Memorial.
- In 1938, Frederick Law Olmstead Jr. was appointed as the Memorial's landscape architect.
- Built on land reclaimed from the swampy banks of the Potomac River. Soil used as fill dredged directly from the river.
- Construction started in 1938, with the cornerstone being laid by Franklin Delano Roosevelt in 1939.
- Dedicated in 1943, has since become a National Landmark.
- Listed in the National Register of Historic Places in 1966.



HABS aerial photo, 1994



HABS photo, 1994



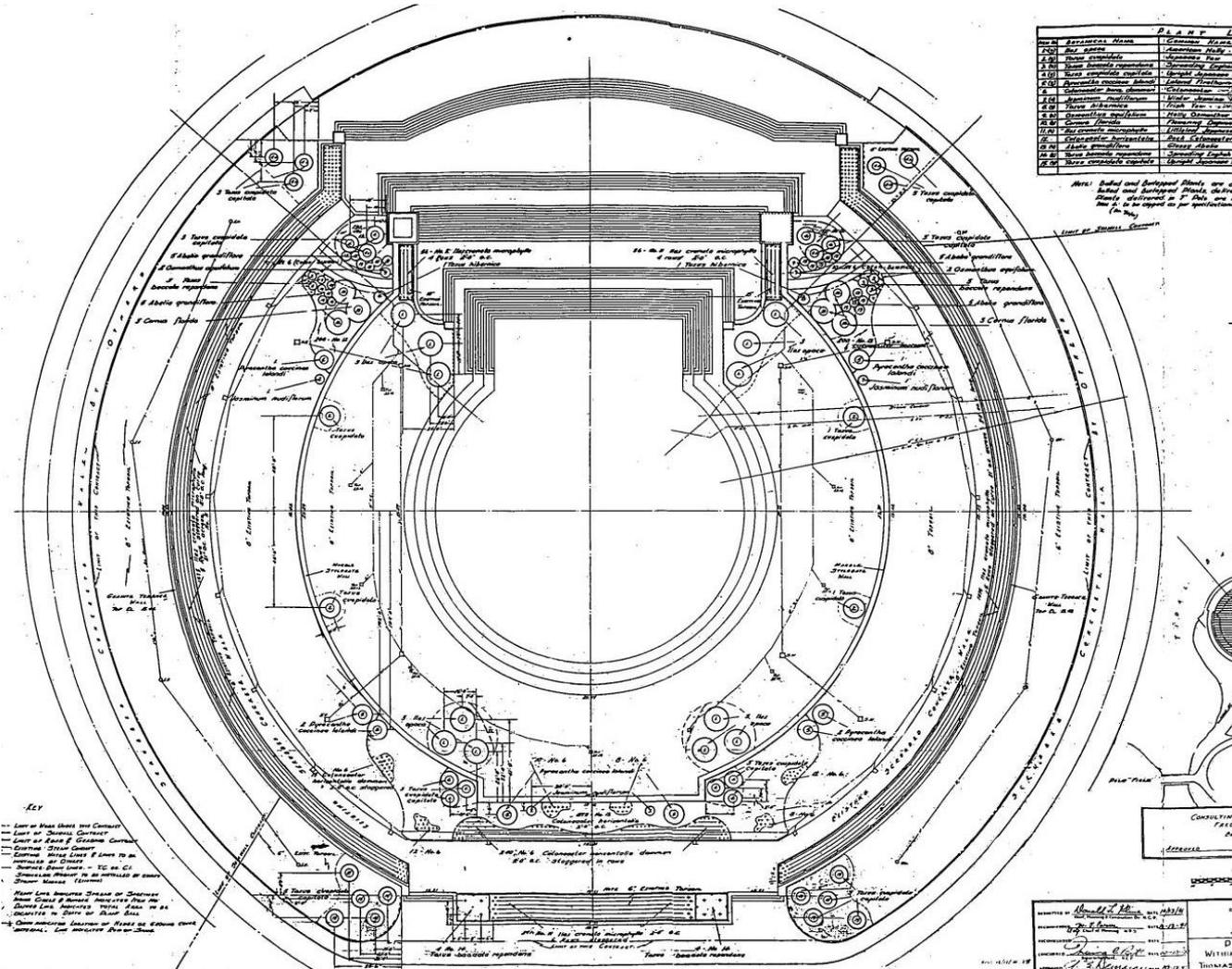
HABS photo, south elevation, 1994

- In 1975 rehabilitation:
 - Two accessible sloped walkways created (south of Memorial)
 - Toilet facilities provided on the lower level and a new elevator to the portico and statuary chamber levels
- In 1998 rehabilitation:
 - lower level expansion: exhibit space, bookstore, and gift shop
 - Existing restrooms relocated, enlarged, and made accessible
 - Family restroom added
 - Elevator replaced in kind.



Site History

- Original plant material included: cotoneasters, yew and thorn trees, and small leafed Japanese hollies
- 1972 project:
 - Yews planted on the Stylobate Mall
 - Fourteen Zelkovas inside the circular road
 - Planting design was a departure from Olmsted's original scheme
- 1986 project:
 - Original hedge material (*Ilex glabra compacta*) replaced with *Ilex glabra* 'Shamrock'.
 - Original white pines (*Pinus strobus*) removed and replaced with six foot high specimens





Existing Conditions



1 Tidal Basin Plaza Level



2 Littleleaf Japanese Hollies along Lower Terrace Level



3 Steps to Lower Terrace Level



4 Yew plantings at Tidal Basin



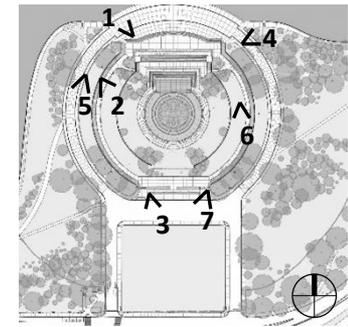
5 Yew Plantings with Zelkova in foreground



6 Littleleaf Japanese Hollies

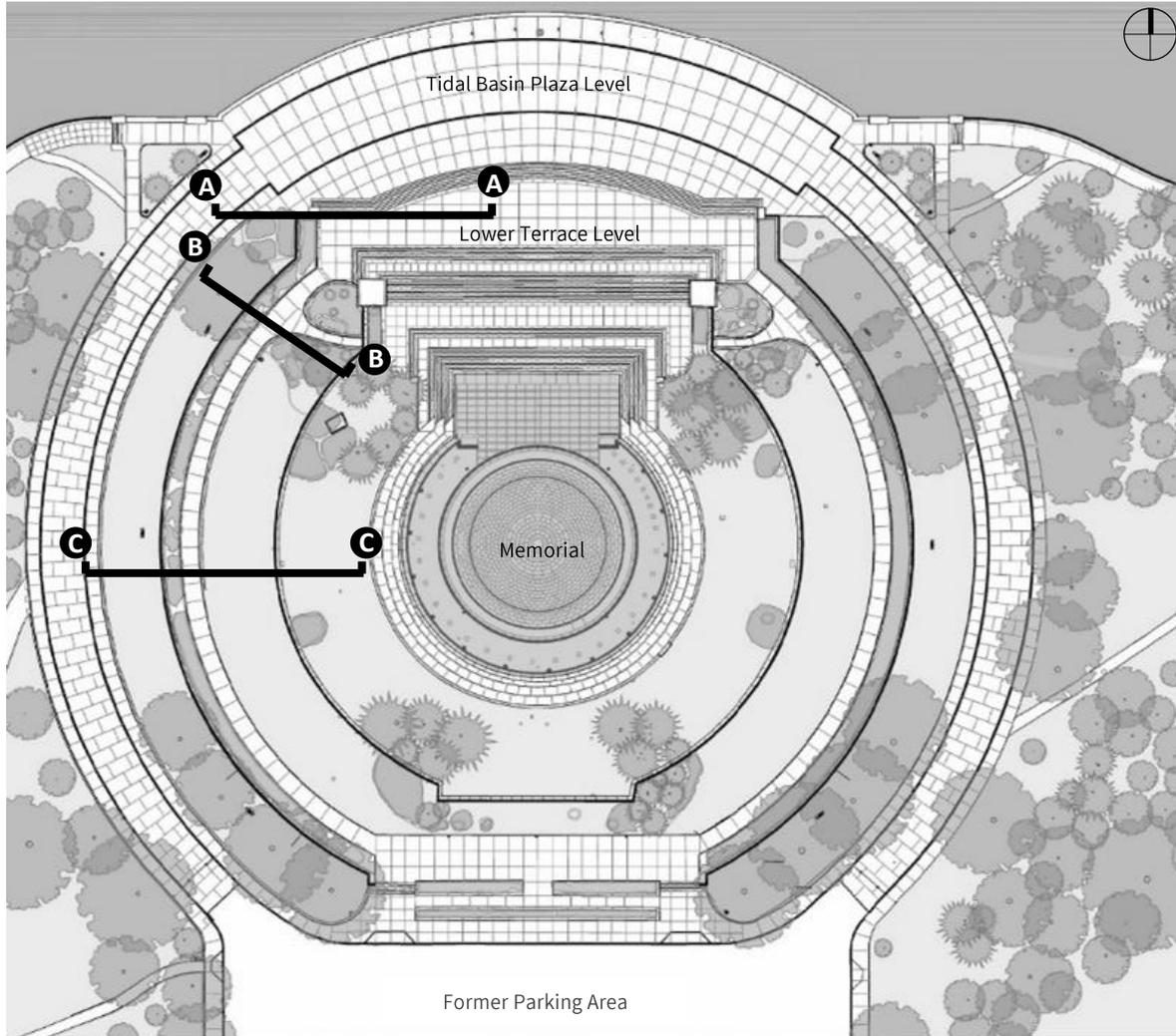


7 Zelkovas on southeast side of Memorial

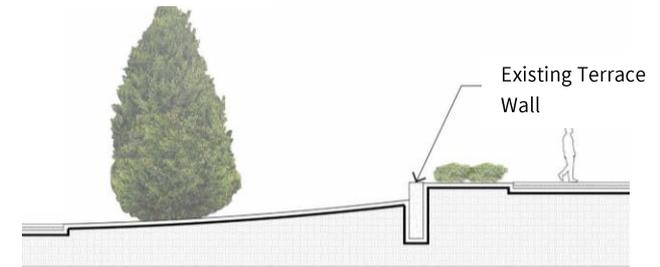




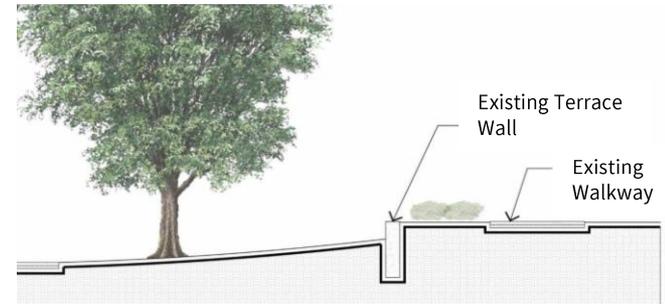
Existing Conditions



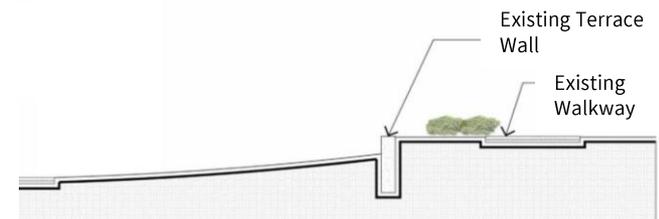
Section A-A



Section B-B

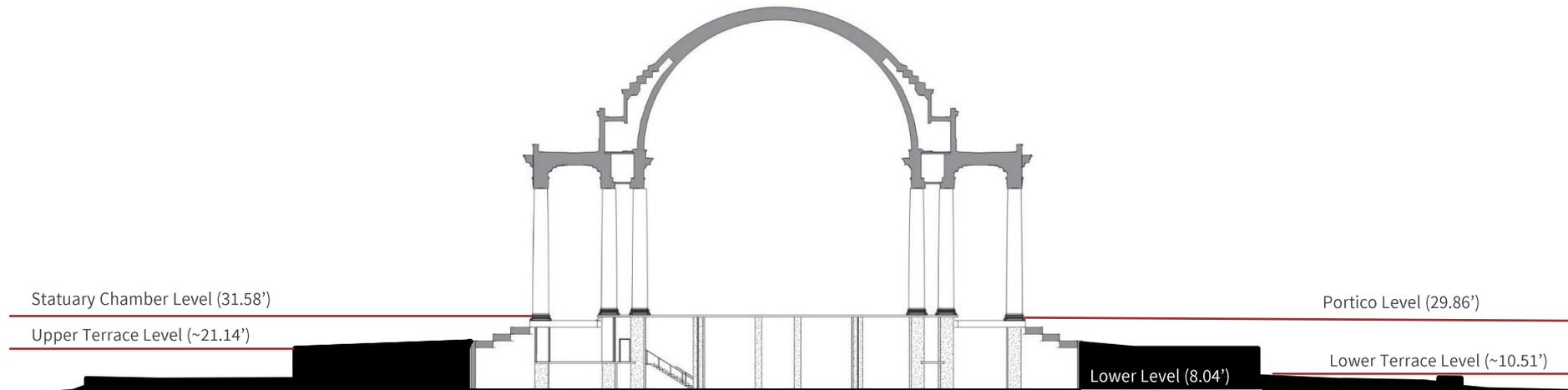
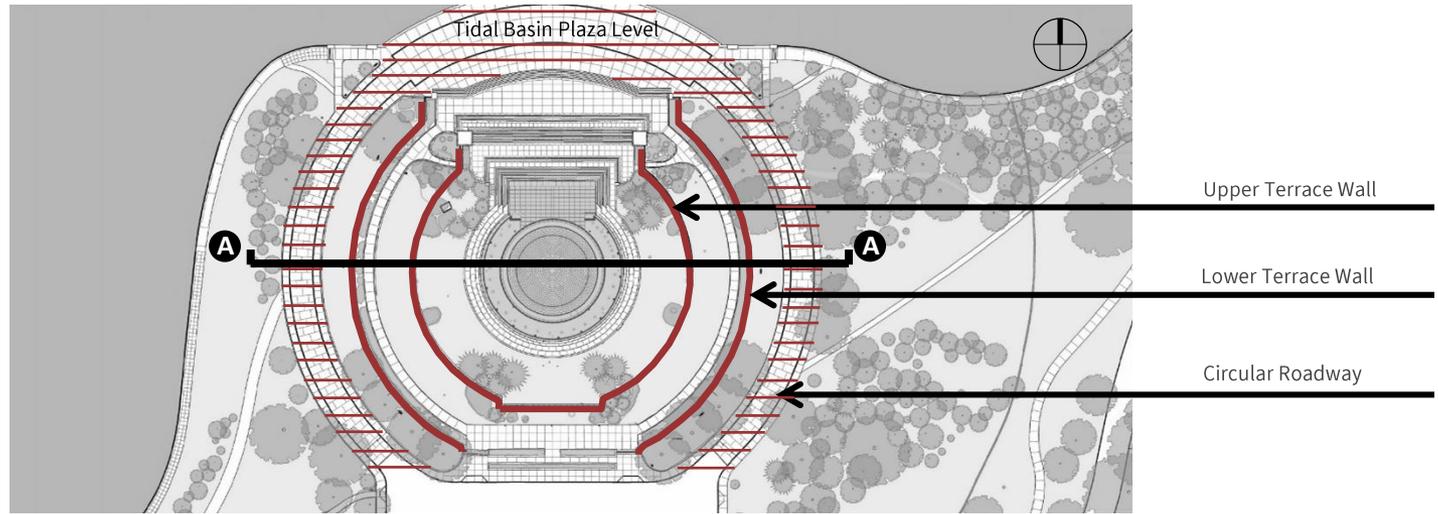


Section C-C



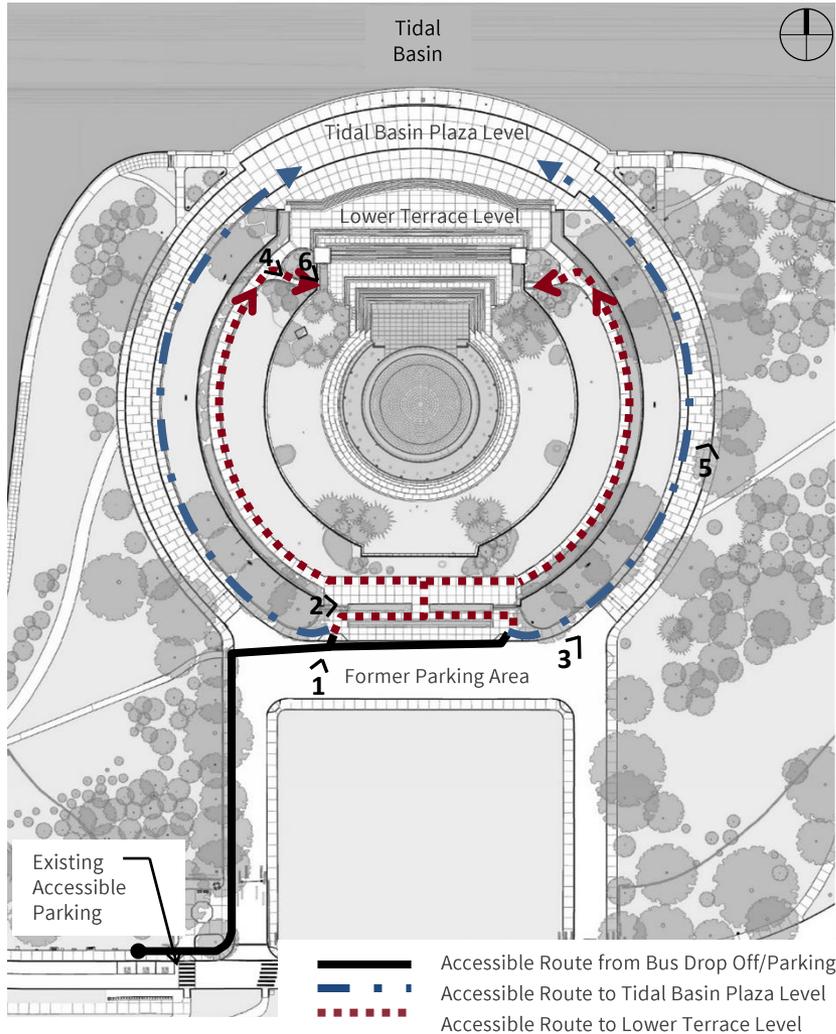


Existing Conditions





Existing Conditions



1 Path to sloped walkways



2 Sloped walkway to Lower Terrace Level



3 Entrance to east side Circular Roadway



4 West entrance to Lower Level



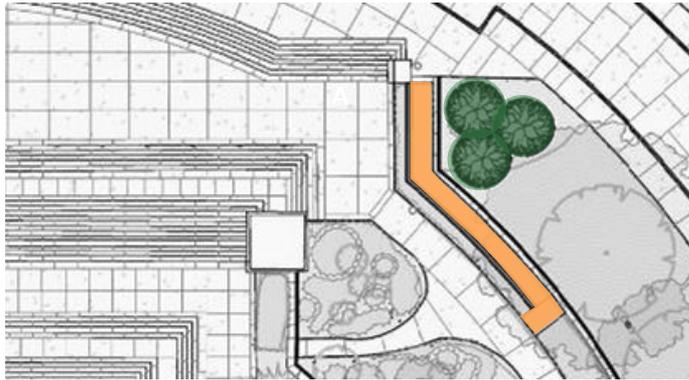
5 East side Circular Roadway



6 West side entrance at Lower Terrace Level

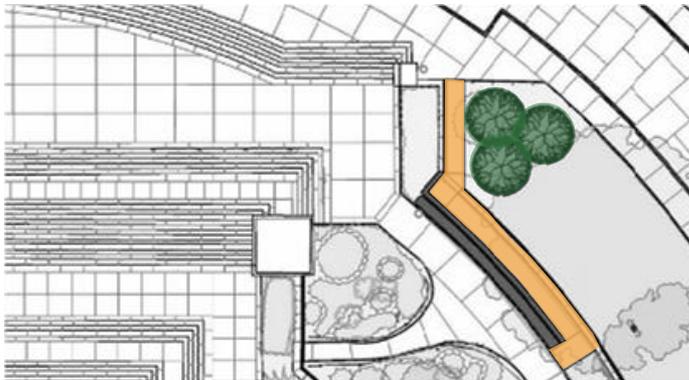


Design Evolution



Option 1: Sloped Walkway within Existing Planter

- Walkway entirely within planter
- Landscape hedge reduced
- Walkway width of 5'-0"
- Maximum walkway slope is 5.00%
- Too narrow to provide handrail



Option 2: Sloped Walkway Partially within Existing Planter

- Front façade of planter is unaltered; walkway cuts into planter from side
- Landscape hedge reduced
- Walkway width of 5'-0"
- Maximum walkway slope is 5.00%
- Handrail located at outside edge of walkway

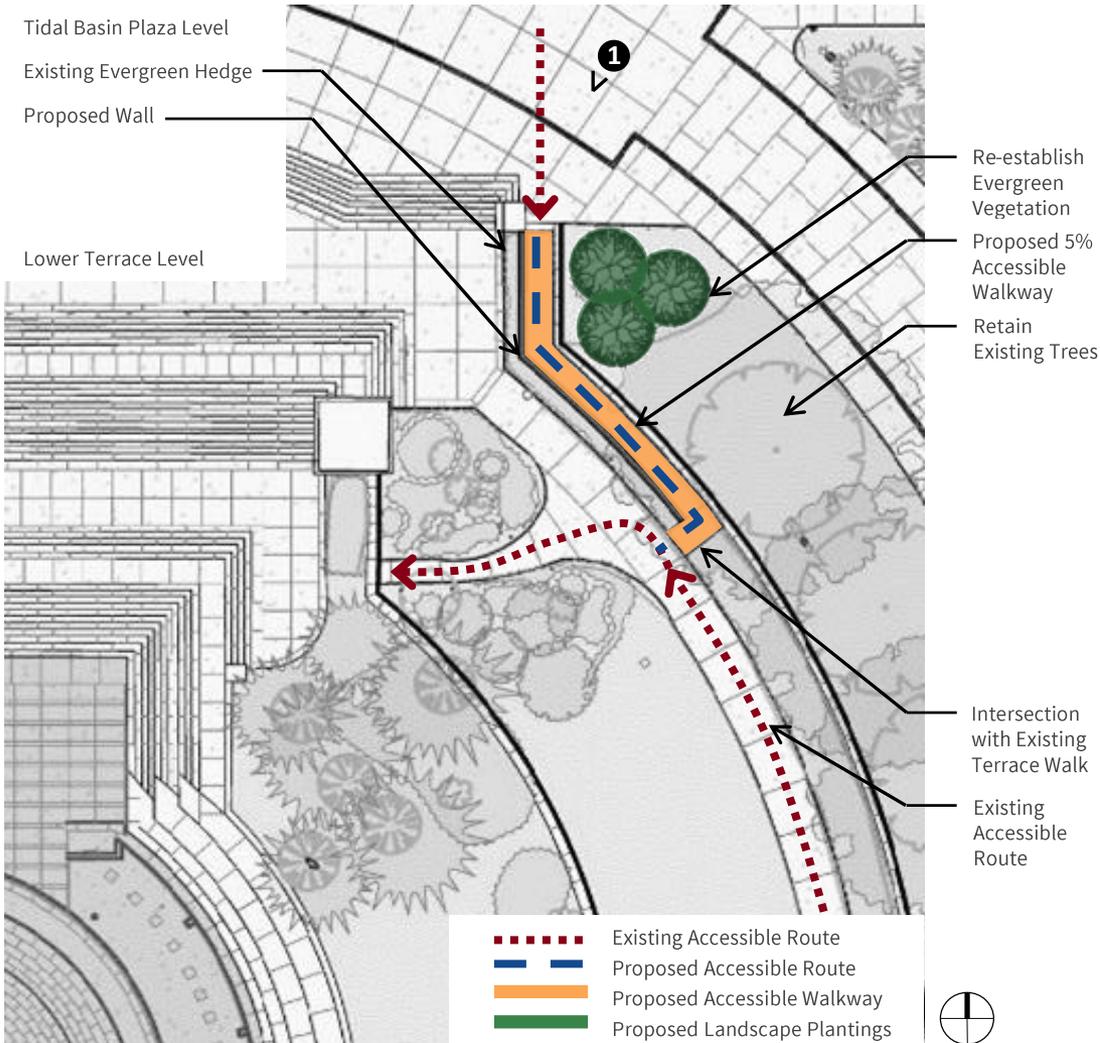


Option 3: Sloped Walkway outside Existing Planter

- Walkway completely outside planter
- Landscape hedge remains intact
- Capstone removed at existing terrace wall (reversible)
- Walkway width of 8'-0"
- Maximum walkway slope is 4.00-4.50%
- Handrail located at outside edge of walkway



Option 1: Sloped Walkway within Existing Planter



Plan of Option 1



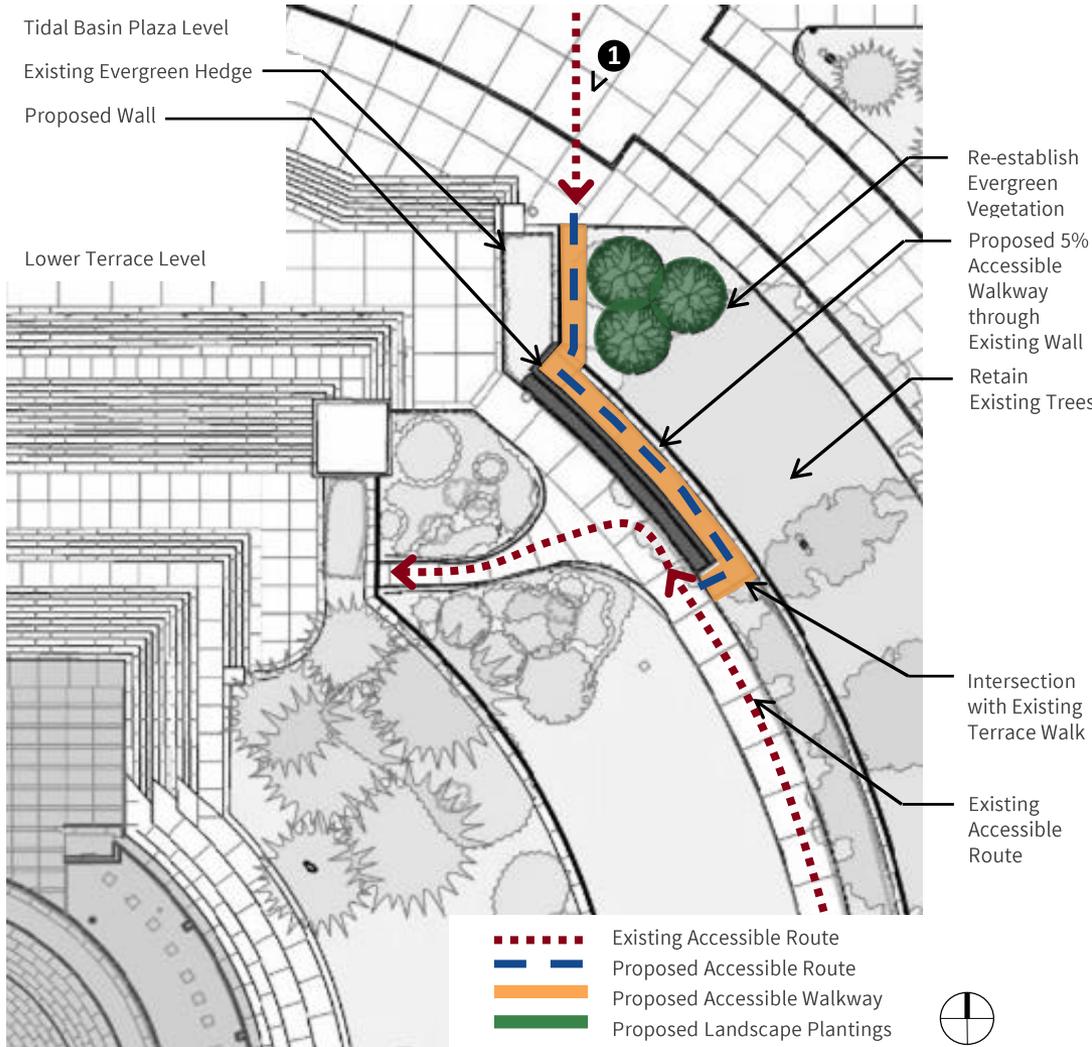
1 Rendering of proposed east sloped walkway at terrace wall and planter



Aerial rendering of east sloped walkway



Option 2: Sloped Walkway partially within Existing Planter



Plan of Option 2



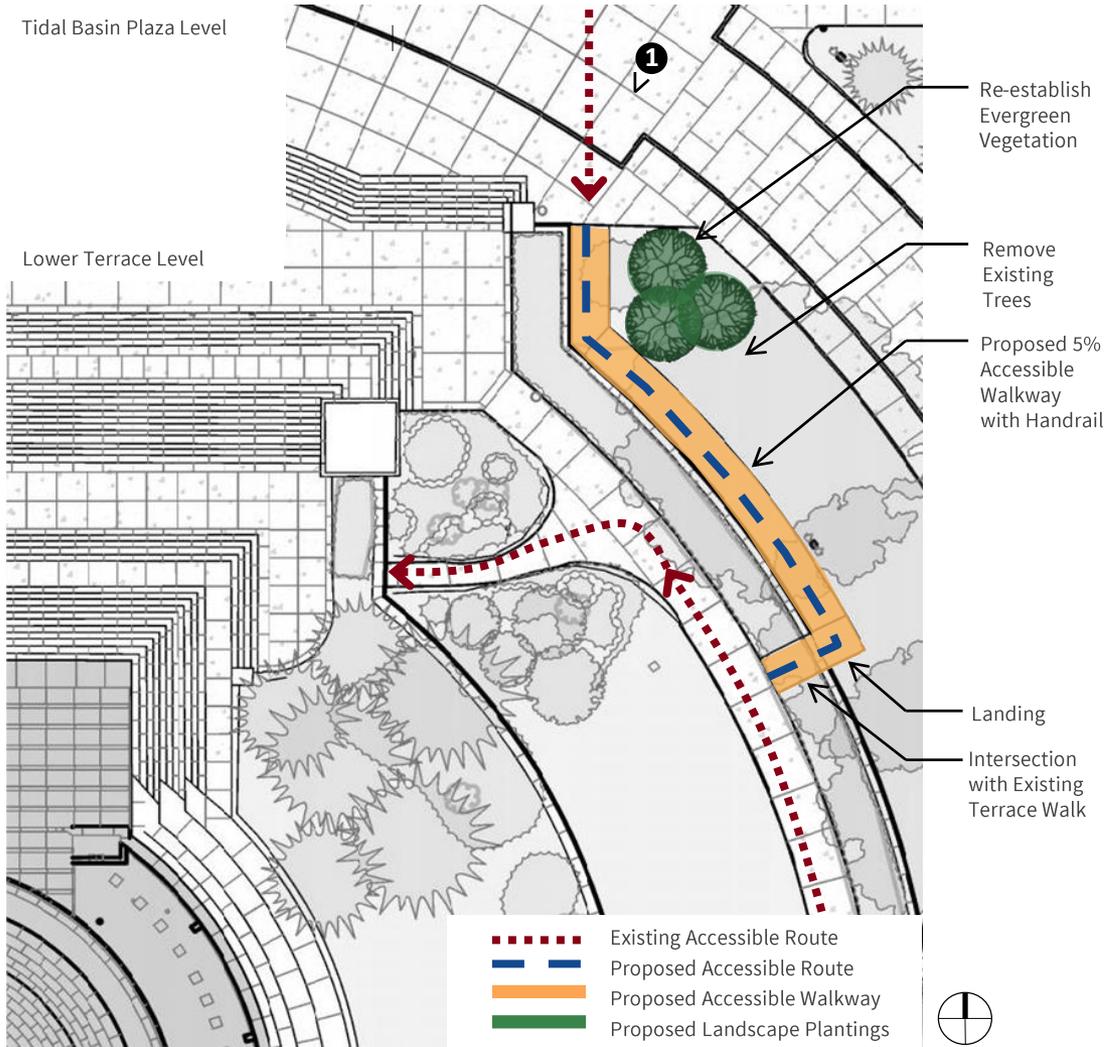
1 Rendering of proposed east sloped walkway at terrace wall and planter



Aerial rendering of east sloped walkway



Option 3: Sloped Walkway outside Existing Planter



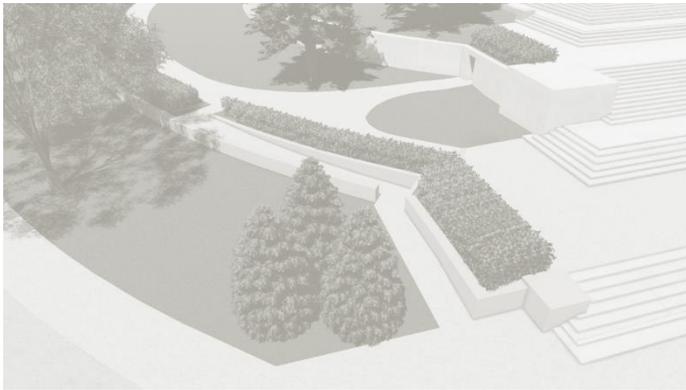
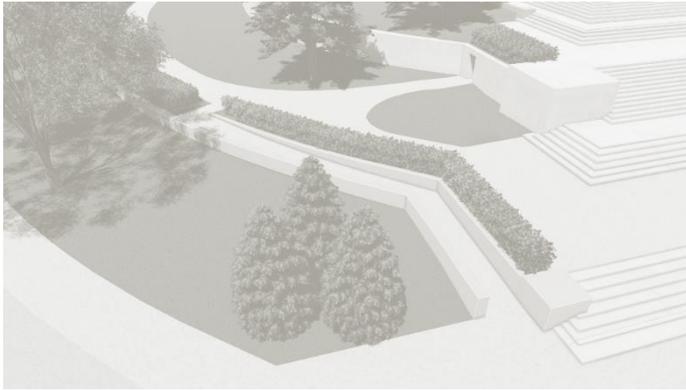
Plan of Option 3



1 Rendering of proposed east sloped walkway at terrace wall and planter



Aerial rendering of east sloped walkway



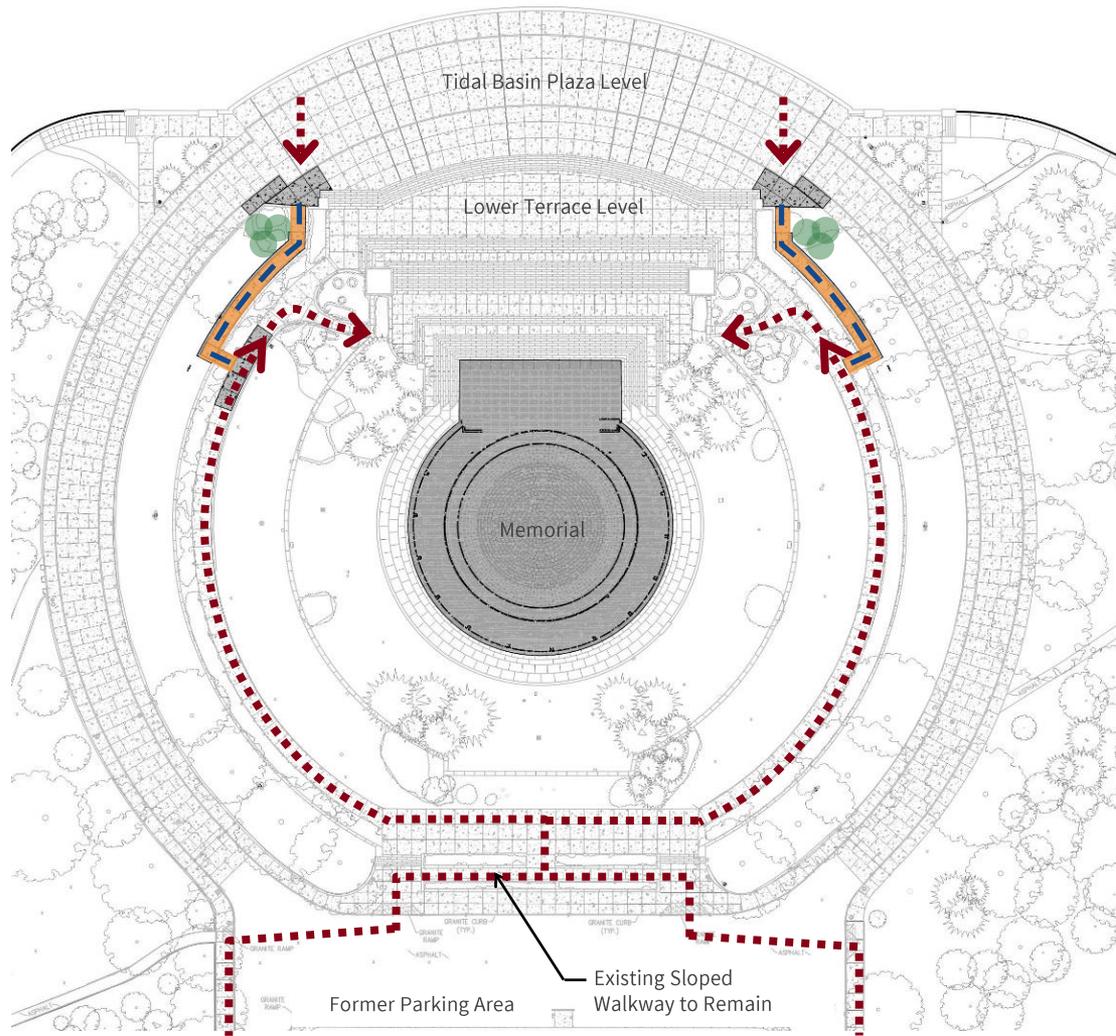
Preferred Alternative: Option 3: Sloped Walkway outside Existing Planter

This option was selected for further development due to the following advantages:

- Walkway width of 8'-0" - enough for two wheelchairs to pass
- Minimal visual impact to cultural landscape
- Minimal physical impact to historic fabric
- Walkway slope is reduced (maximum of 4.00-4.50%)
- Allows for two-way wheelchair traffic on sloped walkway



Proposed Design: Sloped Walkway outside Existing Planter



The proposed design allows for universal access from the Tidal Basin plaza level and significantly reduces the accessible route distance from the Tidal Basin plaza level to the entrances at the lower level.

- Walkway located outside of historic terrace planter
- Walkway width of 8'-0"
- Handrails at both sides of walkway
- Walkway slope 4.00%-4.50%
- Significantly reduces distance from Tidal Basin plaza level to lower level

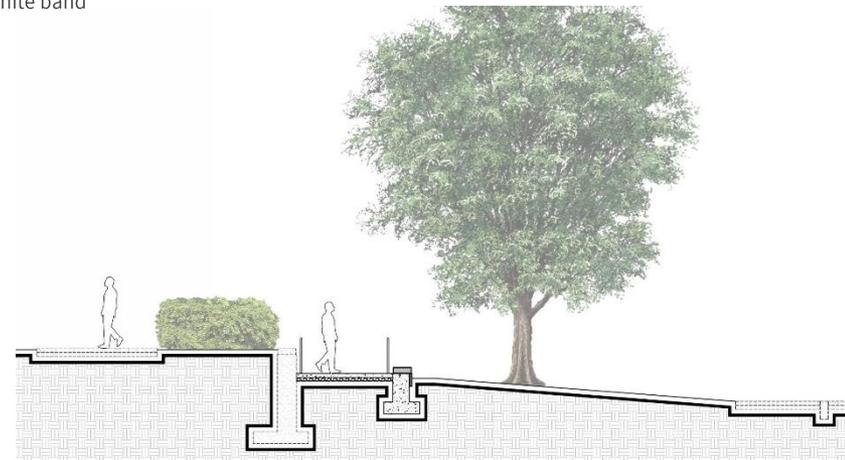
- Existing Accessible Route
- Proposed Accessible Route
- Proposed Accessible Walkway
- Proposed Landscape Plantings



Proposed Design: Sloped Walkway outside Existing Planter



1 Existing east sloped walkway at terrace wall and planter



Section through proposed sloped walkway



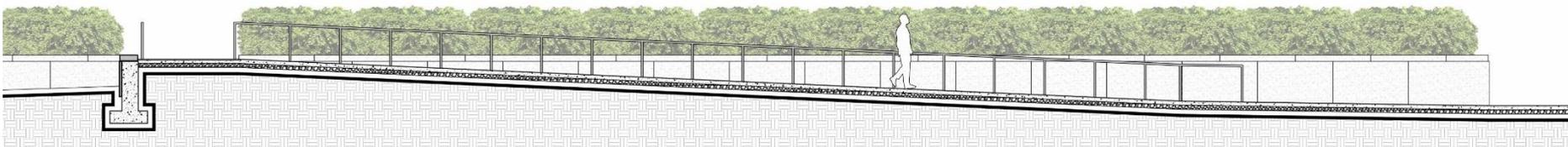
Proposed Design: Sloped Walkway outside Existing Planter



Existing east terrace wall and planter



Rendering of proposed east sloped walkway at terrace wall and planter



Section through proposed sloped walkway



Proposed Design: Sloped Walkway outside Existing Planter



Aerial rendering of proposed sloped walkway