

Area of Impact

The boundary above delineates the area of the District that is at risk for flooding, according to the USACE, if the Potomac Park levee fails. The National Park Service (NPS), at present and by agreement, is the federal agency responsible for the closure of the levee at 17th street.

Current Status

The District of Columbia requested FEMA delay issuing new floodplain maps in March 2008 in order to perform the necessary engineering analysis that may either substantially reduce the flood risk area, or more importantly, provide an interim levee solution to protect the District from a 100year storm, FEMA agreed to delay the final issuance of the maps until November 2009 provided that the District design and construct an interim levee solution by that time. The agreement requires the District and the affected federal agencies to meet several interim deadlines and demonstrate adequate progress in designing and constructing a viable flood protection solution. If the conditions of the agreement cannot be met, FEMA will issue new floodplain maps for the District.











1936

1939

1942

1946

1990 -1992

1996

2007

March Flood

Flood Control Act of 1936

As a result of the 1936 flood, the existing project was authorized for construction by the Flood Control Act of 1936 whereby the USACE was directed by Congress to design and construct flood measures to protect downtown Washington during flood emergencies.

Flood levee components completed

October Flood

Flood Control Act of 1946

Environmental Assessment for Modifications to Washington, DC and Vicinity Flood Control Project

Alternative methods of accomplishing an acceptable closure at 17th Street were the subject of an Environmental Assessment in 1992, and an October 1990 Section 106 finding of no adverse effect for the preferred alternatives by the DC State Historic Preservation Officer

FEMA Final

Determination Map

Supplemental EA for additional modifications

Project was re-evaluated and failed by the USACE

September, FEMA proposed modifying the base 100 year and 500 year floodplains

Federal funds to design and construct the project were not provided to the USACE in subsequent appropriations, and the project remained dormant until 2007, when in January, the Potomac Park Levees System received an Unacceptable Inspection Rating by USACE.

 concrete retaining wall along the length of the Reflecting Pool

substantial fill from 17th
 Street to the raised earthen
 mound of the Washington
 Monument

In October 1942, portions of Washington were flooded when a high tide coincided with the third highest flow of record (447,000 cfs) on the Potomac River. The resulting flood stage was the highest on record and caused an estimated \$7,407,000 in damages

In the Flood Control Act of 1946, Congress authorized the Chief of Engineers to modify the existing project to reduce the amount of emergency work required to close openings in the line of protection during a flood event.

Construction

2008

JAN MAR JUNE SEPT DEC

Environmental Assessment & Section 106

NCPC & CFA Review

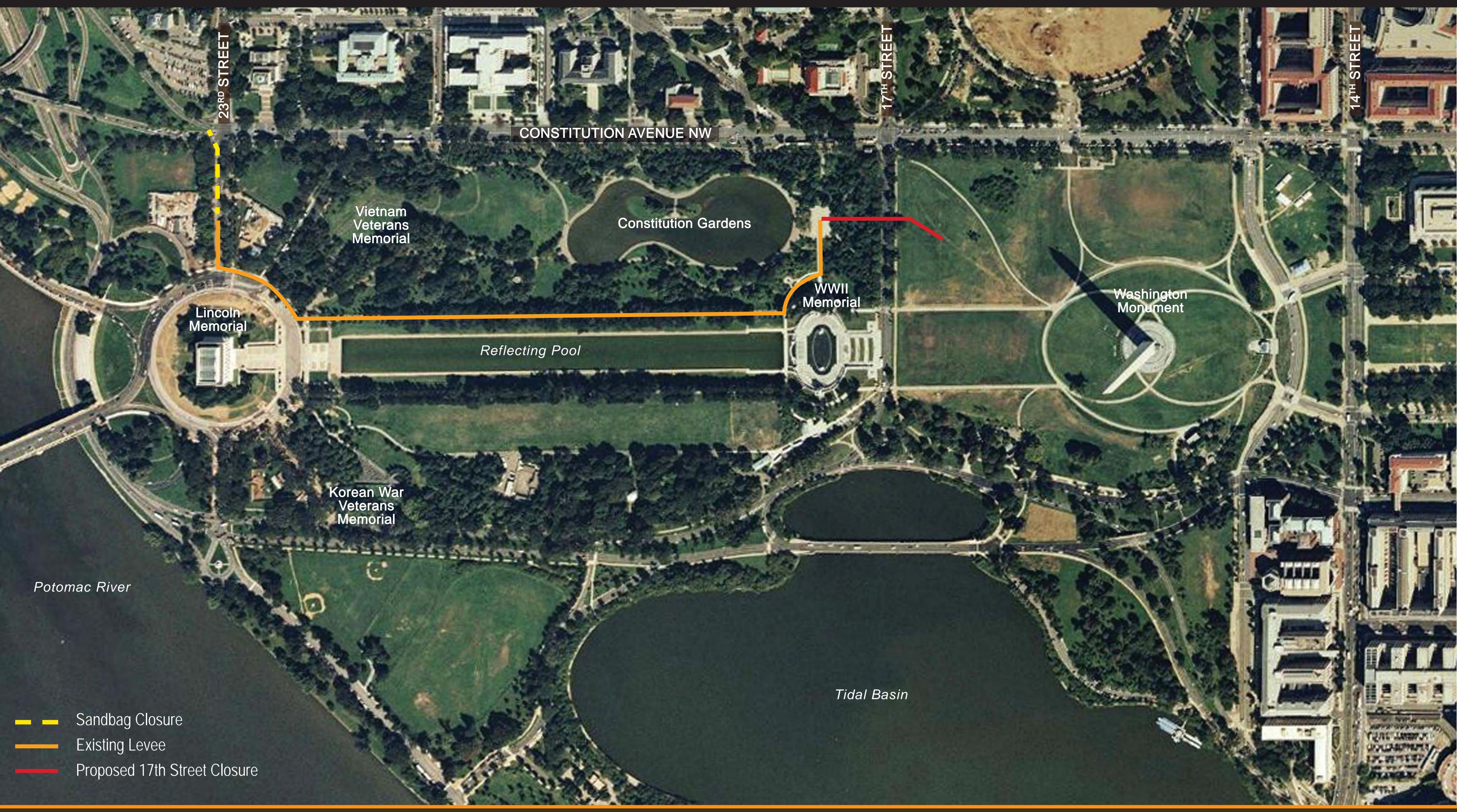
Final Design Plans



















The Proposed Action

The purpose of this action is to improve the reliability of river flood protection provided by the Potomac Park levee system to a portion of the monumental core and downtown Washington D.C. in a manner that respects the resources and values of the National Mall. Without reliable flood protection measures, many major facilities in downtown Washington D.C., including portions of the monumental core, portions of Pennsylvania and Constitution Avenues, Federal Triangle, and areas south of the U.S. Capitol to Fort McNair, are at risk of flooding from a major (100-year plus) flood event.

The current Potomac Park levee structure, completed in 1938, includes a permanent earthen barrier, sandbags along 23rd Street, and construction of a temporary earthen levee across 17th Street. NPS constructs the 17th Street closure once notified of an impending flood.

This temporary levee system has not been favored by the U.S. Army Corps of Engineers (USACE) due to the large scope of this type of emergency closure project, coupled by unknown weather conditions and logistic requirements. Based on new policies since Hurricane Katrina (33 CFR 208.10), this system is unacceptable and no longer meets USACE design standards.

Moreover, in 1936 Congress authorized USACE to construct a higher level of flood protection to ensure that Washington, DC was protected from a 185-year flood event. As a result, USACE will only certify a permanent levee that meets this higher level of protection. At this time, USACE has not received funds to construct a permanent levee that would meet the congressionally-authorized protection level. However, the Environmental Assessment (EA) will analyze proposed designs that meet the authorized 185-year flood event level.

Objectives

- Provide immediate protection to downtown Washington D.C and the monumental core in the event of a 100-year storm, thereby meeting the National Flood Insurance Program requirements (interim level of protection).
- Ensure that the selected design can be easily modified or enhanced to meet the 185-year flood protection requirements (authorized or permanent level of protection)
- Minimize adverse impacts to the cultural landscapes, historic structures, and other cultural resources of the National Mall and the project area.
- Minimize adverse impacts to the viewsheds of the National Mall and the monumental core, and the visual quality of the project area.
- Minimize disruption to visitor use and experience in the National Mall and monumental core.
- Minimize adverse impacts to park management and operations and provide the NPS with the most effective and reliable closure system in advance of a flood event.
- Avoid additional costs of insurance or construction to property owners in the project area.
- Minimize disruption to traffic in the downtown Washington D.C. project area during construction









The National Environmental Policy Act (NEPA)

NEPA requires all federal agencies to consider and document the potential impacts of management actions on the human environment. The National Park Service (NPS) applies NEPA in the planning process to evaluate alternative courses of action and impacts so decisions are made in accord with the conservation and preservation mandate of the NPS Organic Act of 1916.

The NPS utilizes Director's Order 12, Conservation Planning, Environmental Impact Analysis, and Decision-making, and Handbook 12 to establish these guidelines. Handbook 12 defines the steps within the NEPA process and outlines the necessary requirements and contents for environmental document preparation.

An Environmental Assessment (EA) is a NEPA document that is prepared to assist in planning and decision-making and to determine if an action has the potential for significant impact. The NPS is completing a new EA for this project, so that present conditions and the potential impacts to historic and other resources at 17th Street and the park areas can be assessed. The USACE and NCPC are cooperating agencies.

The NEPA Process

- 1. Notice of Intent
- 2. Define Purpose & Need
- 3. Data Collection, Begin resource inventory and analysis
- 4. Define Preliminary Alternatives
- 5. Internal and External Scoping to introduce project and identify issues
- 6. Public Scoping meeting
- 7. Refine Alternatives
- 8. Affected Environment
- 9. Environmental Consequences
- 10. Prepare draft Environmental Assessment
- 11. Internal Agency review of draft Environmental Assessment
- 12. Release Environmental Assessment for 30-day Public Comment Period
- 13. Public Comment Period
- 14. Decision Document

EA Impact Topics

- Floodplains
- Vegetation (trees)
- Land use/Socioeconomics
- Transportation
- Aesthetics
- Archeology

- Historic plans and structures
- Cultural landscapes
- Visitor use and experience
- Utilities and infrastructure
- Park management and operations
- Public safety









Section 106

Section 106 of the National Historic Preservation Act of 1966 (NHPA) requires Federal agencies to take into account the effects of their undertakings on historic properties.

If it is determined that the proposed action could affect historic properties, S106 is triggered. The Section 106 task and the NEPA assessment need to be closely coordinated. The results of the EA analysis will determine the type of decision document required.

In the Spring of 2008, pursuant to Section 106 regulations implemented by the ACHP that encourage early coordination with groups or individuals who have a demonstrated interested in historic properties that may be affected by a proposed project, the NPS invited a number of constituents to participate in the Section 106 process as consulting parties.

The Section Process

- 1. Define Undertaking/Initiate Section 106
- 2. Identify Consulting Parties
- 3. Plan to Involve the Public
- 4. Define Area of Potential Effect (APE)
- 5. Identify Significant Cultural Resources in APE
- 6. Assess Effects on Significant Resources
- 7. Identify "Adverse" Effects
- 8. Resolve Adverse Effects
- 9. Programmatic Agreement (PA)



















Opportunities to Comment

In Writing

Submit a comment form tonight or write:

Glenn DeMarr
Project Manager
Office of Lands, Resources and Planning
National Capital Region
National Park Service
1100 Ohio Drive, SW
Washington, DC 20242

Email

comments@potomaclevee.com

Website

You may submit electronic comments on the National Park Service's Planning, Environment and Public Comment Site:

http://parkplanning.nps.gov/

Search for National Mall and Memorial Parks, Environmental Assessment for Design Alternatives for the Potomac Park Levee System or go to:

http://parkplanning.nps.gov/projectHome.cfm?par kld=427&projectId=22260

Your comments are essential to this environmental assessment and the development and assessment of interim and permanent alternatives. We seek your comments on the scope of issues to be addressed and identifying any issues related to the proposed action.

Additional opportunities to provide comment on this project will occur during the public release of the EA later this summer.

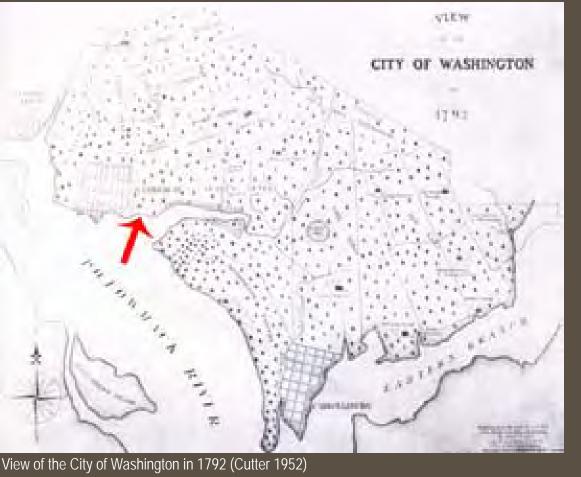


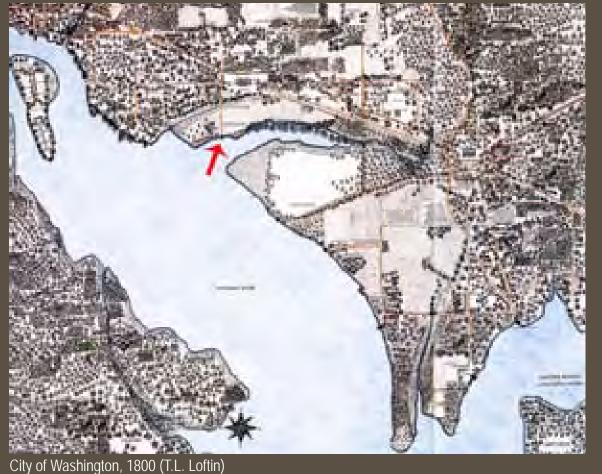


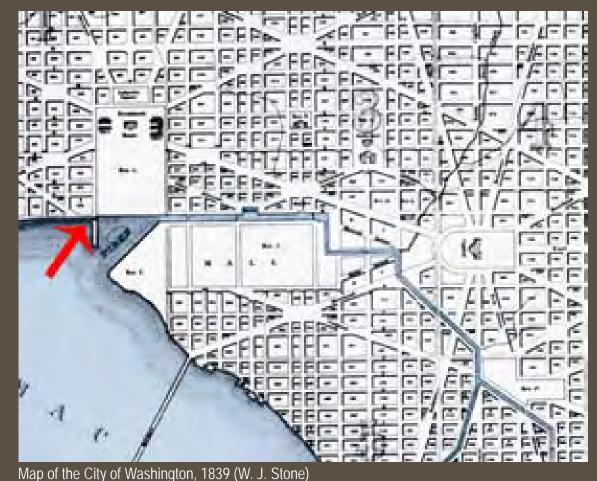


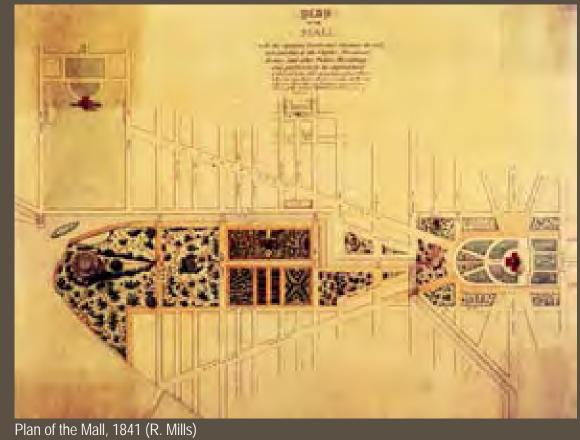


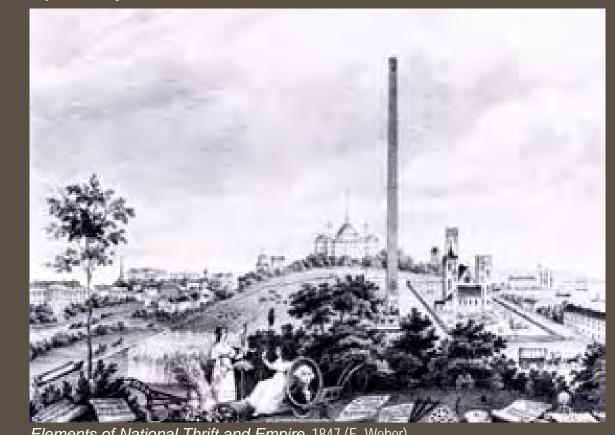






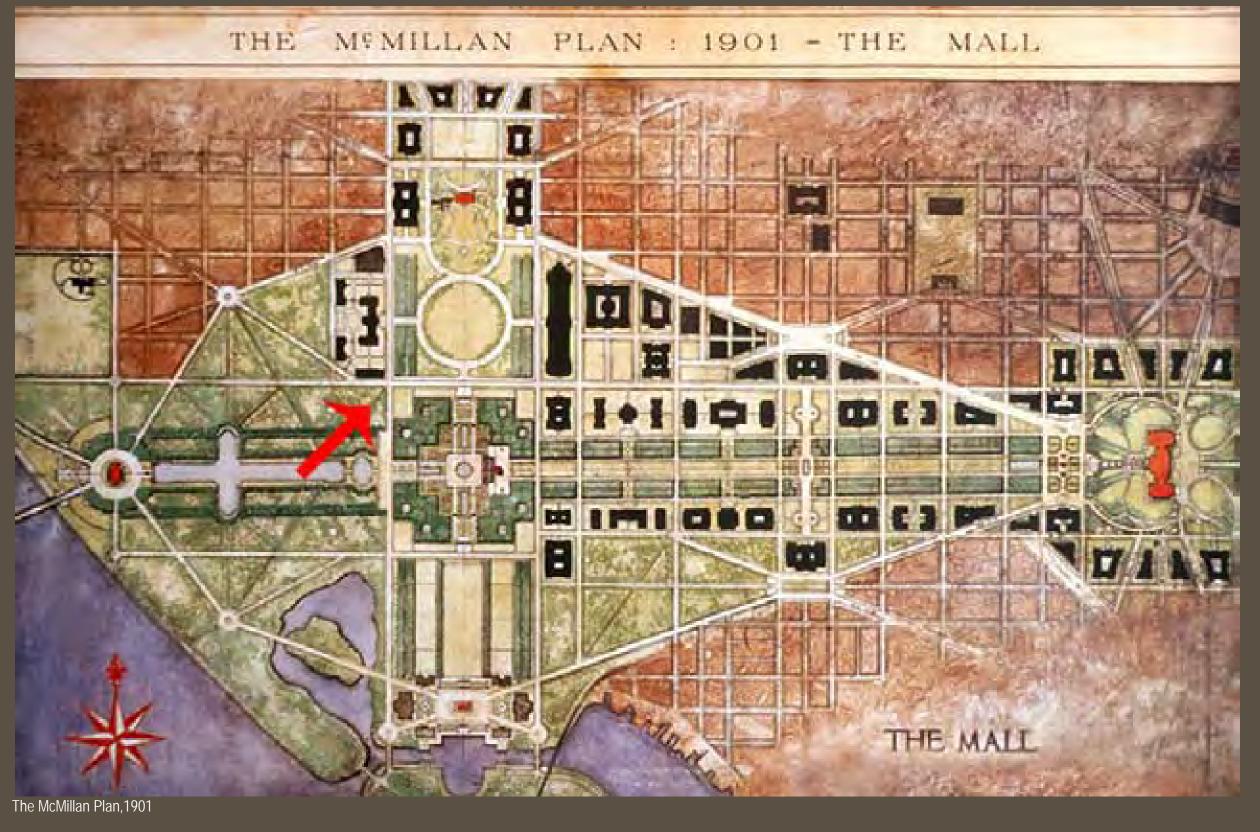


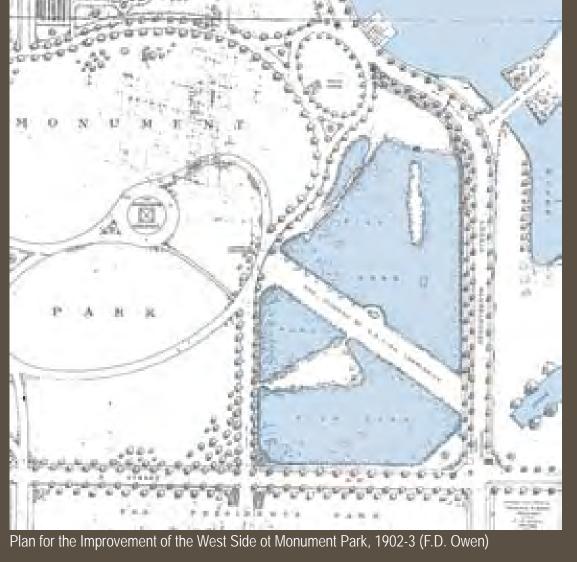










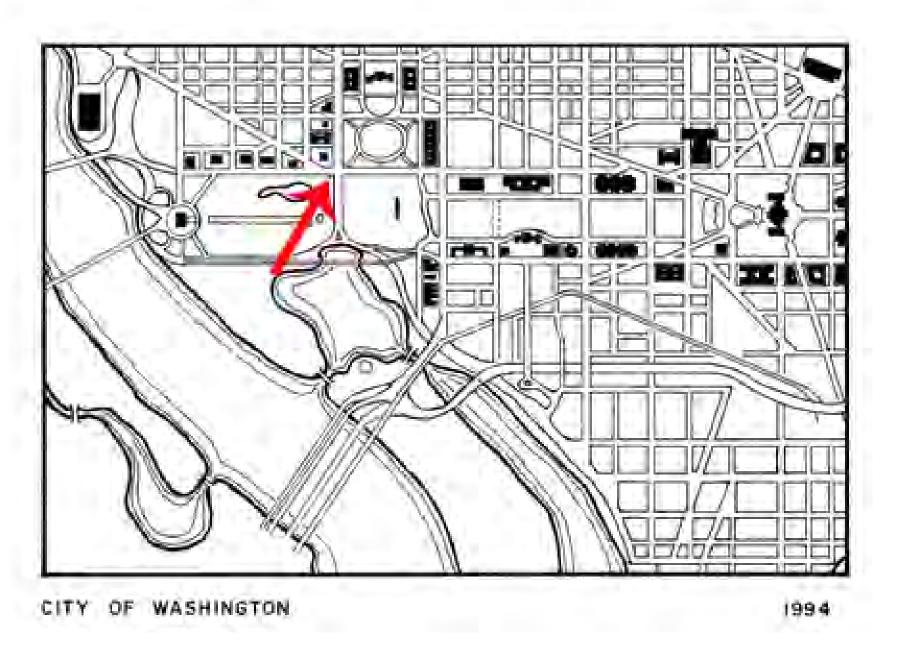


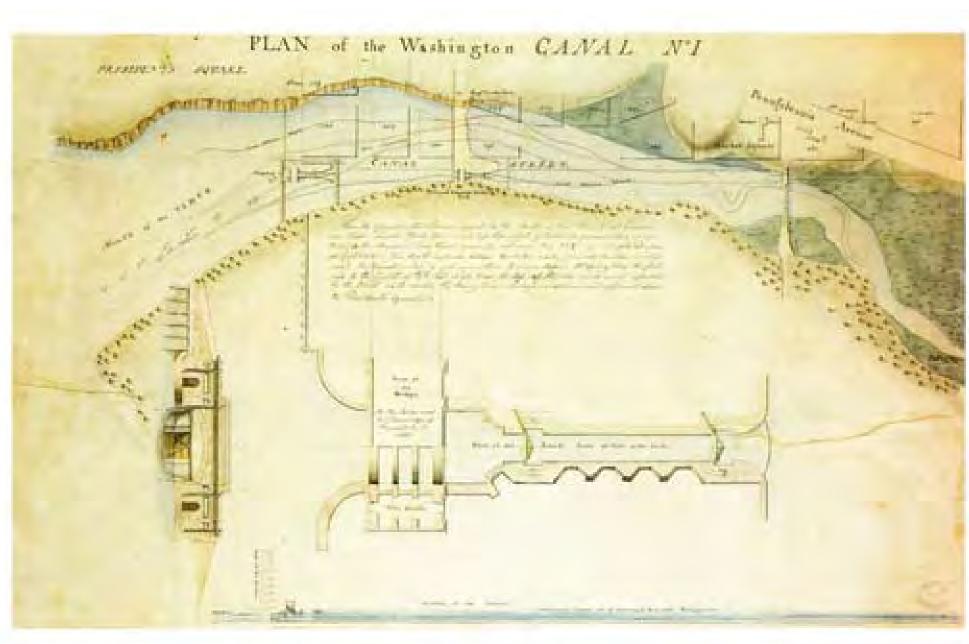




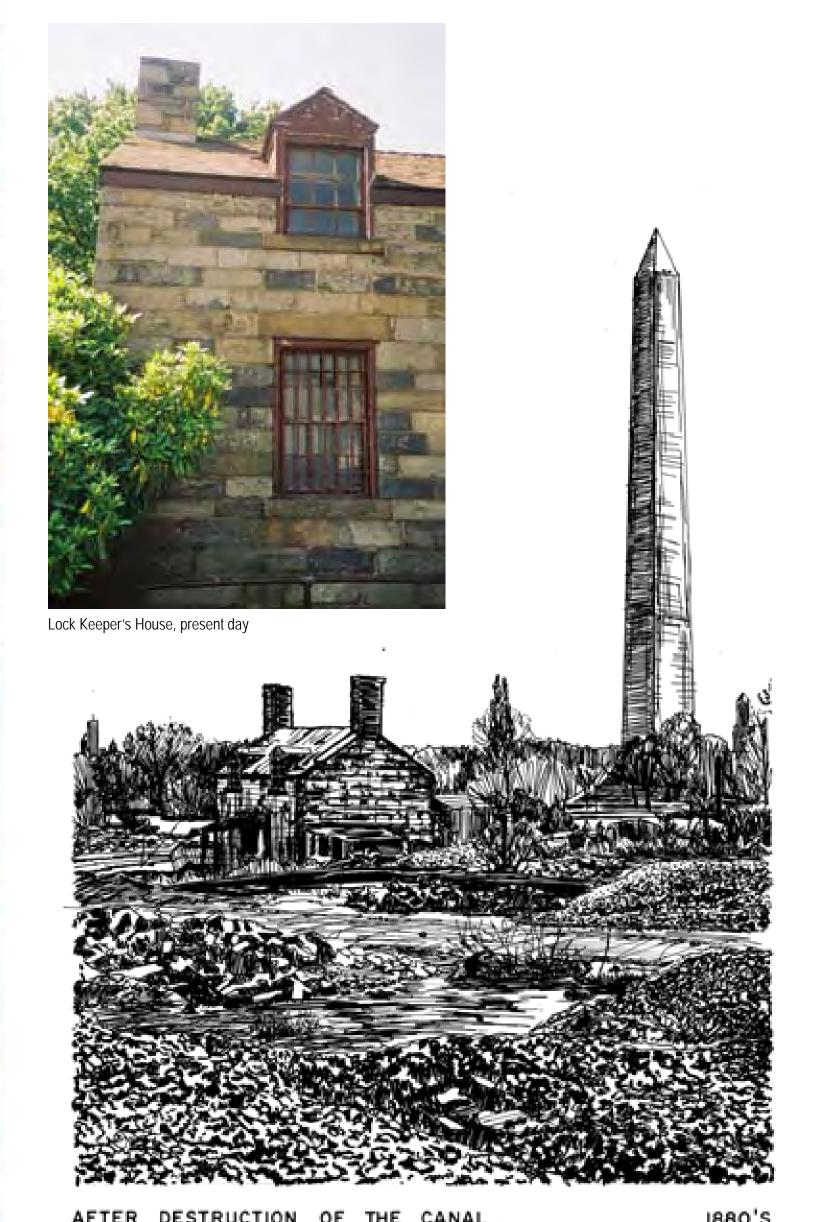












Sketch of Lock Keeper's House



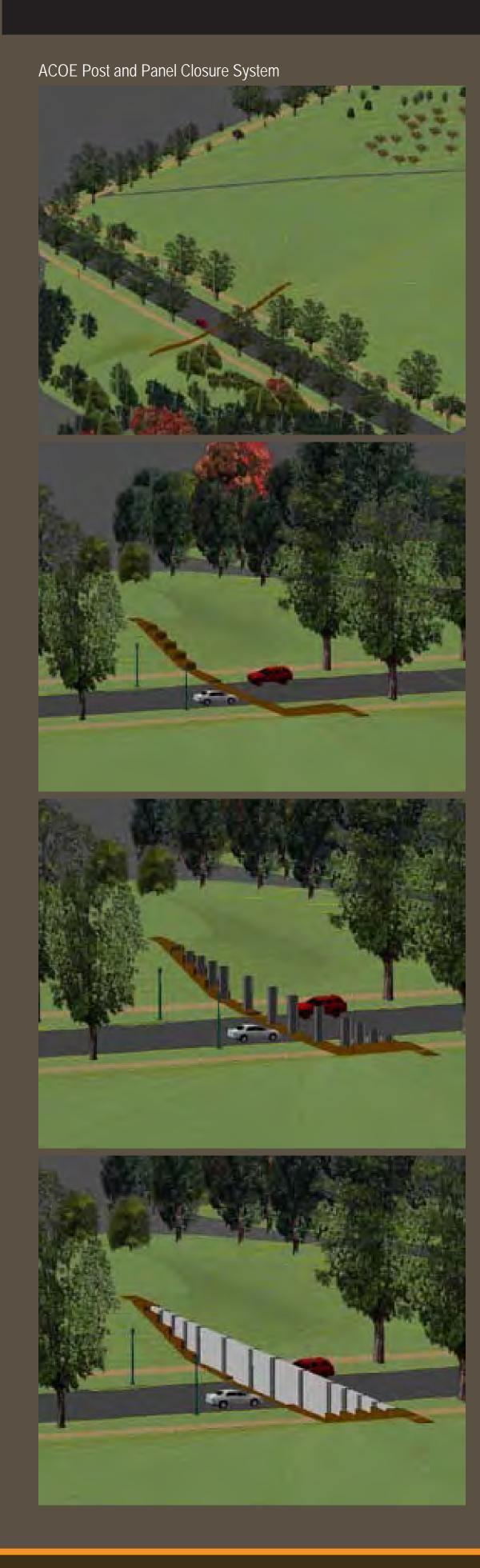


Lock Keeper's House, 1934



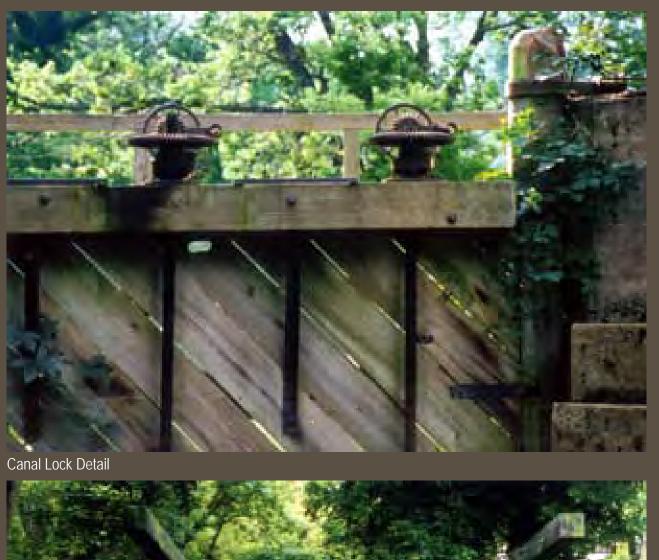




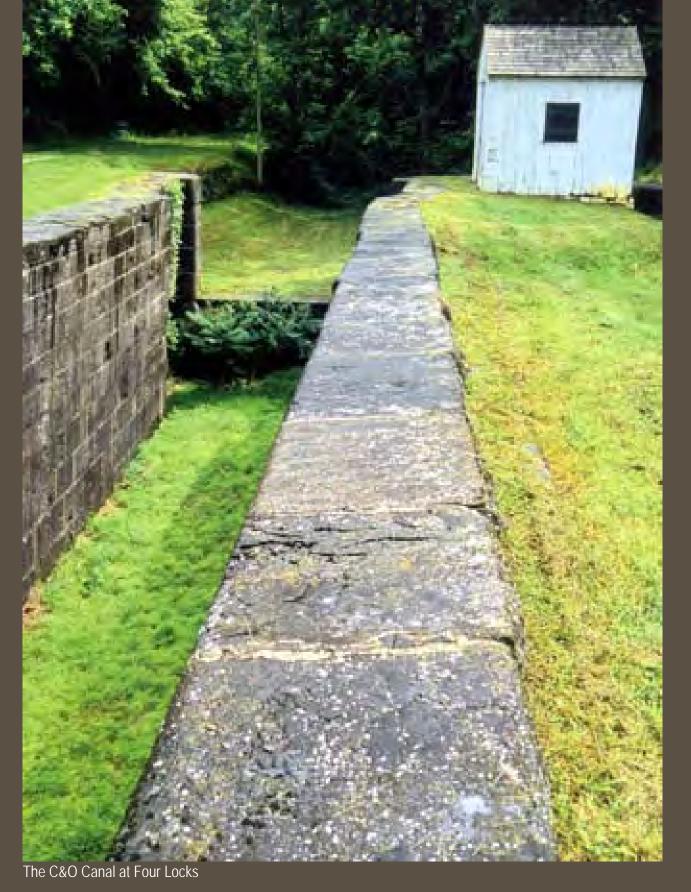




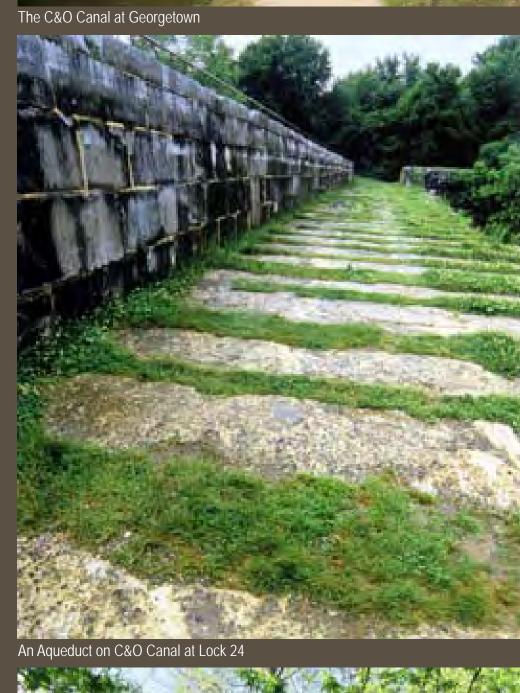


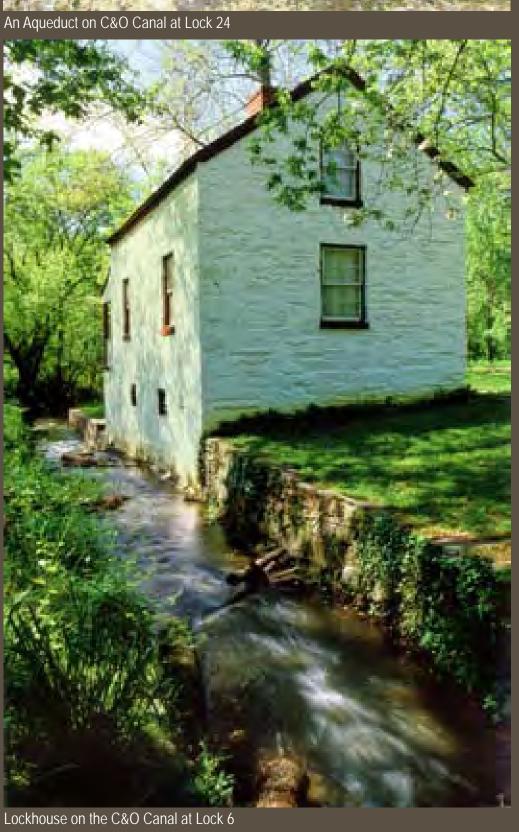
















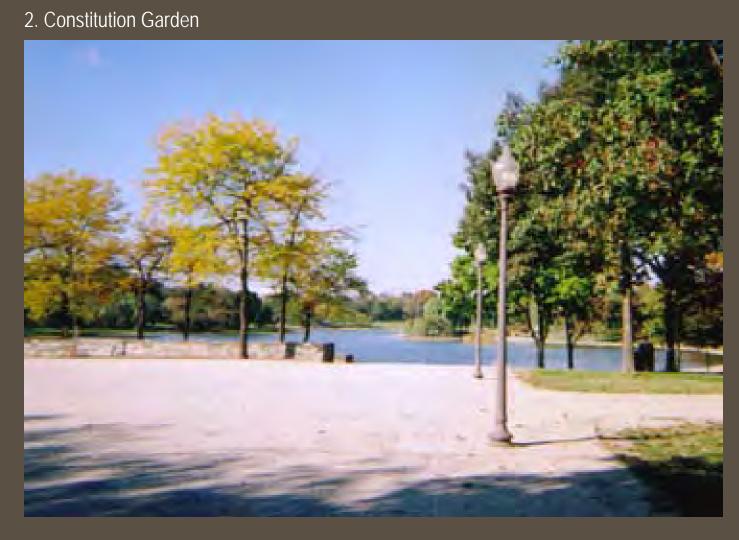


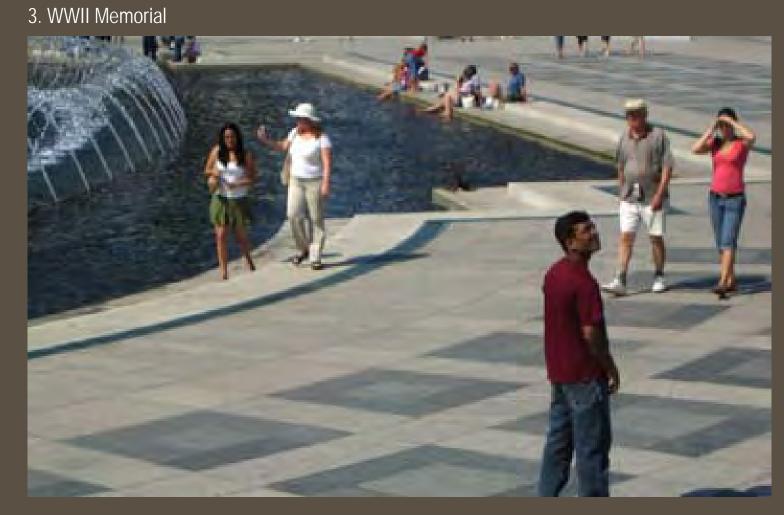








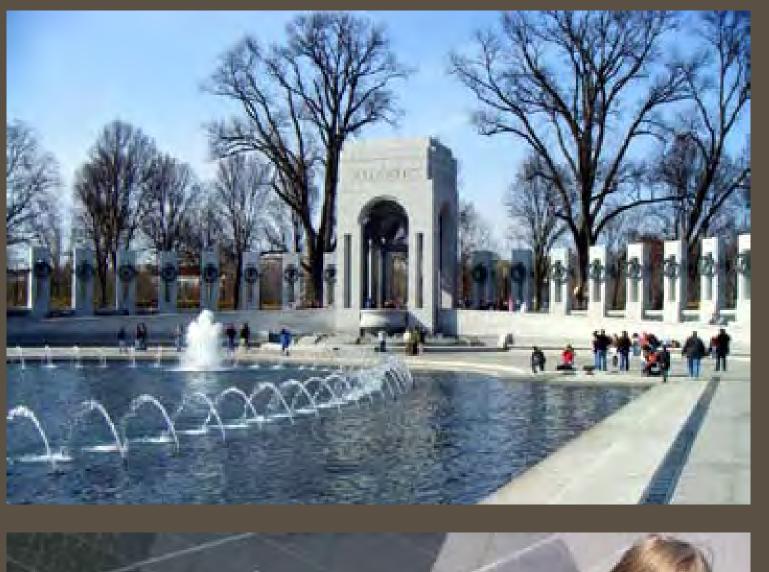














































9. 17th Street looking North

