



FAN AND VENT SHAFT FLOOD REMEDIATION, NATIONAL MALL AND VICINITY

October 31, 2011





Fan and Vent Shaft Flood Remediation National Mall Area

Introduction

The report covers the major fan shafts and vent shafts listed below as potential sources of inflow. Shaft locations are as follows, and are shown on the following maps.

Blue/Orange Line:

Federal Triangle Metrorail Station

FD-1, located between Metro Center and Federal Triangle Stations

VD-2, on the north side of Federal Triangle Station

VD-3, on the south side of Federal Triangle Station

FD-2, located between Federal Triangle and Smithsonian Stations

VD-4, near Smithsonian Station

Green/Yellow Line

Archives-Navy Memorial Metrorail Station

FF-1, located between Gallery Place and Archives-Navy Mem. Stations

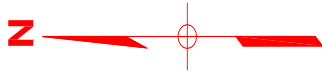
VF-2, located on the north side of Archives-Navy Mem. Station

VF-3, located on the south side of Archives-Navy Mem. Station

FF-2, located between Archives-Navy Mem. and L'Enfant Plaza Stations



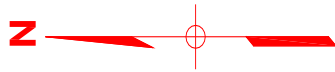
Fan and Vent Shaft Flood Remediation National Mall Area



- Fan/Vent Shaft Location - Yellow/Green Line



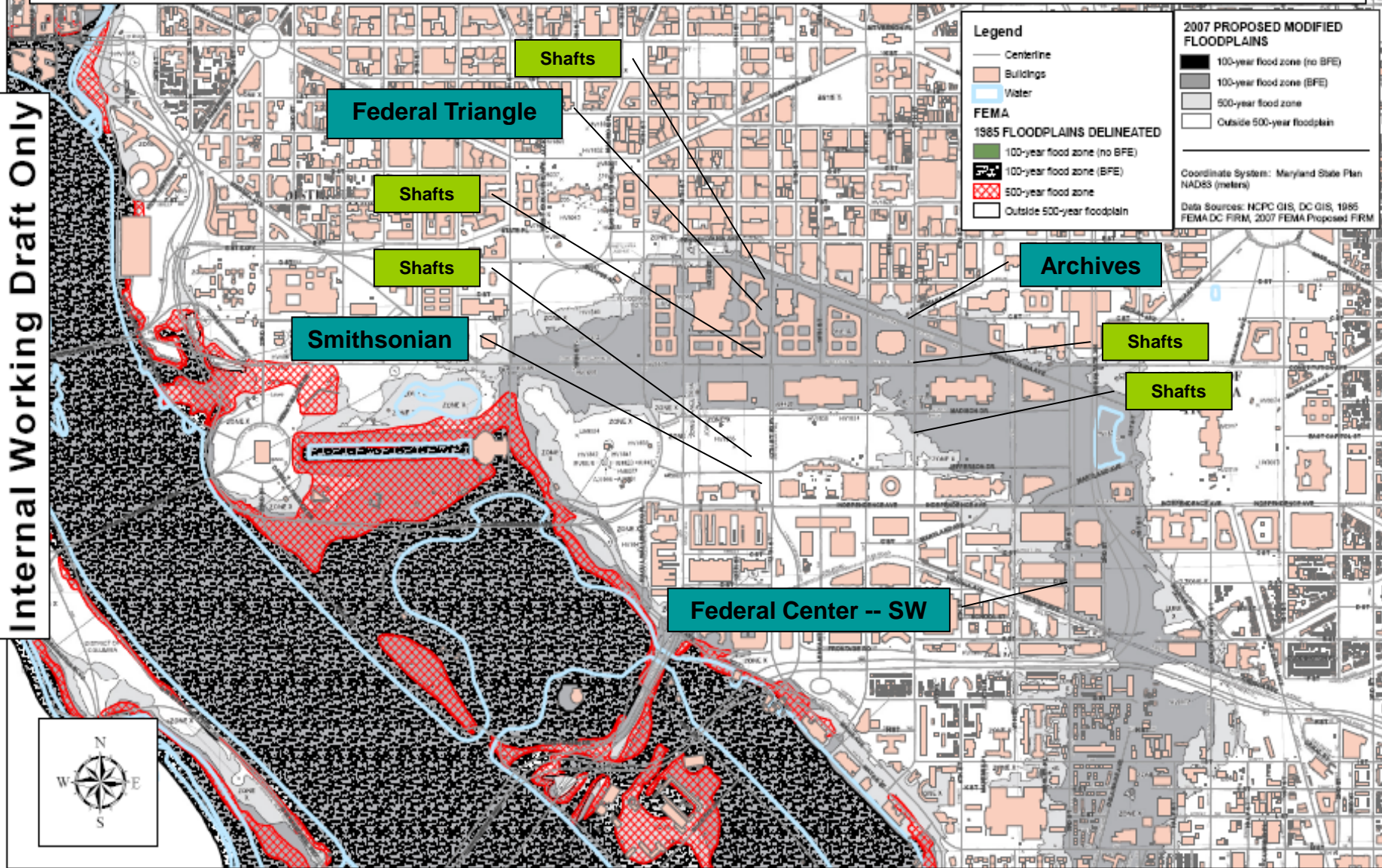
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- Fan/Vent Shaft Location – Orange/Blue Line

This map is being provided for information and illustrative purposes only. It does not reflect an official position or conclusion of the National Capital Planning Commission. We urge anyone using this information reflected in this map to conduct an independent analysis with reference to the original source information.

Internal Working Draft Only



National Capital Planning Commission

Planning Research and Policy Division

12/2007

Locations are approximate.

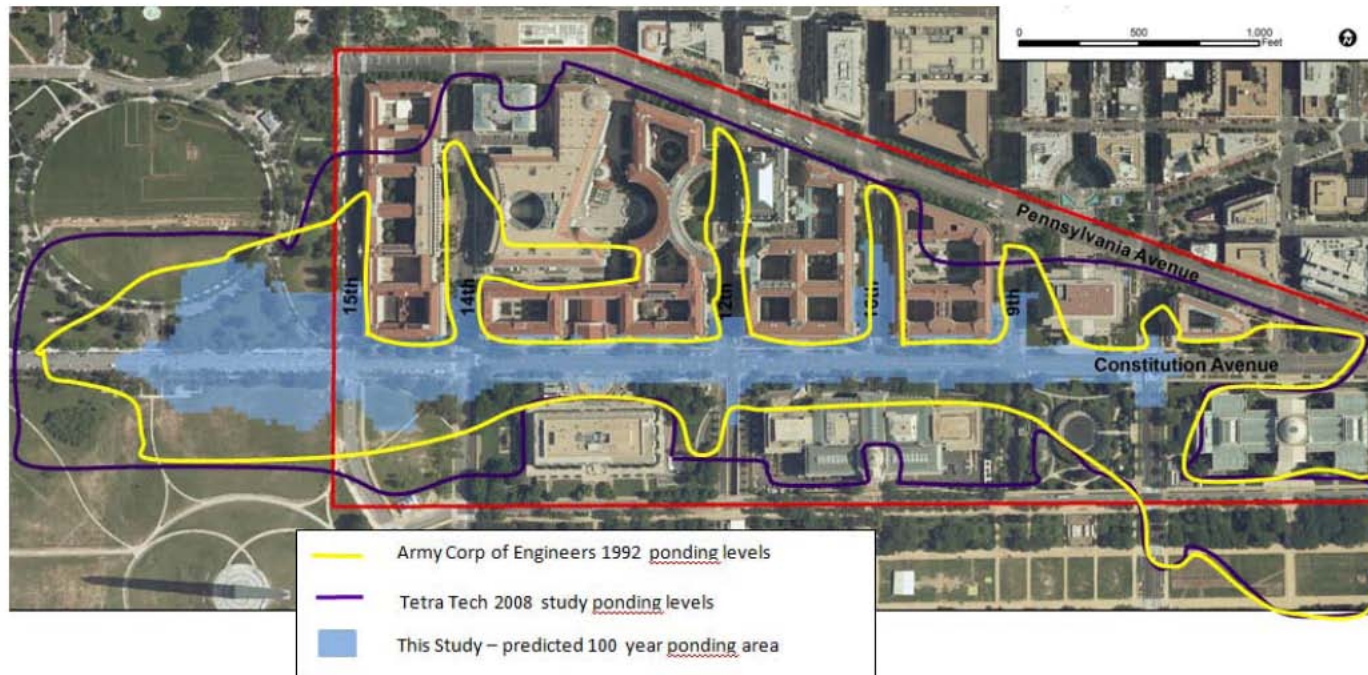


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Baseline Ponding Predictions

Figure 5-10

Comparison of Flood Extents Along Constitution Avenue



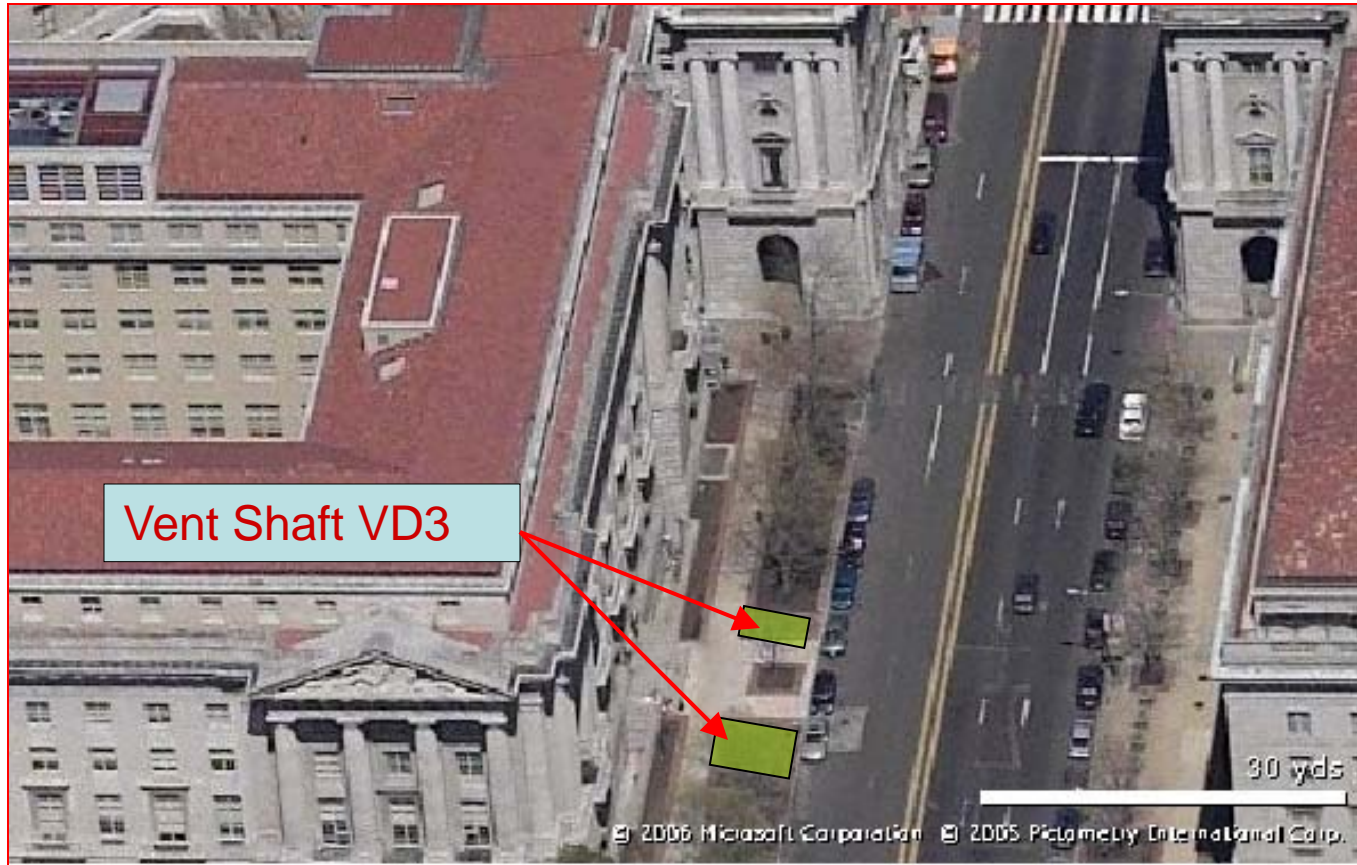


Fan and Vent Shaft Flood Remediation National Mall Area

Vent Shaft VD3



Fan and Vent Shaft Flood Remediation National Mall Area



Vent Shaft VD3 - 310 12th Street, N.W.



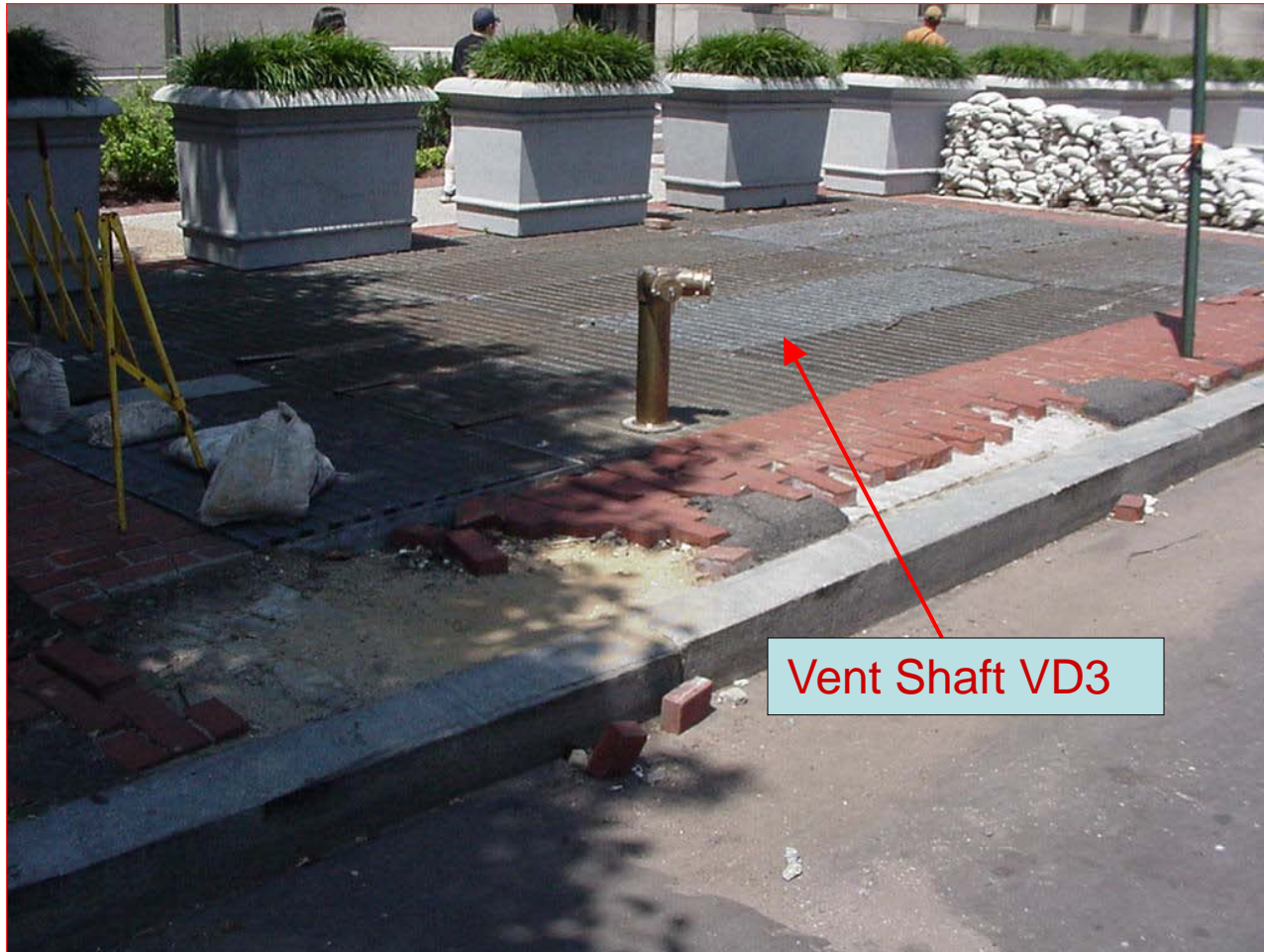
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Vent Shaft VD3 - 310 12th Street, N.W. – Existing Condition



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Vent Shaft VD3 - 310 12th Street, N.W.



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Vent Shaft VD4



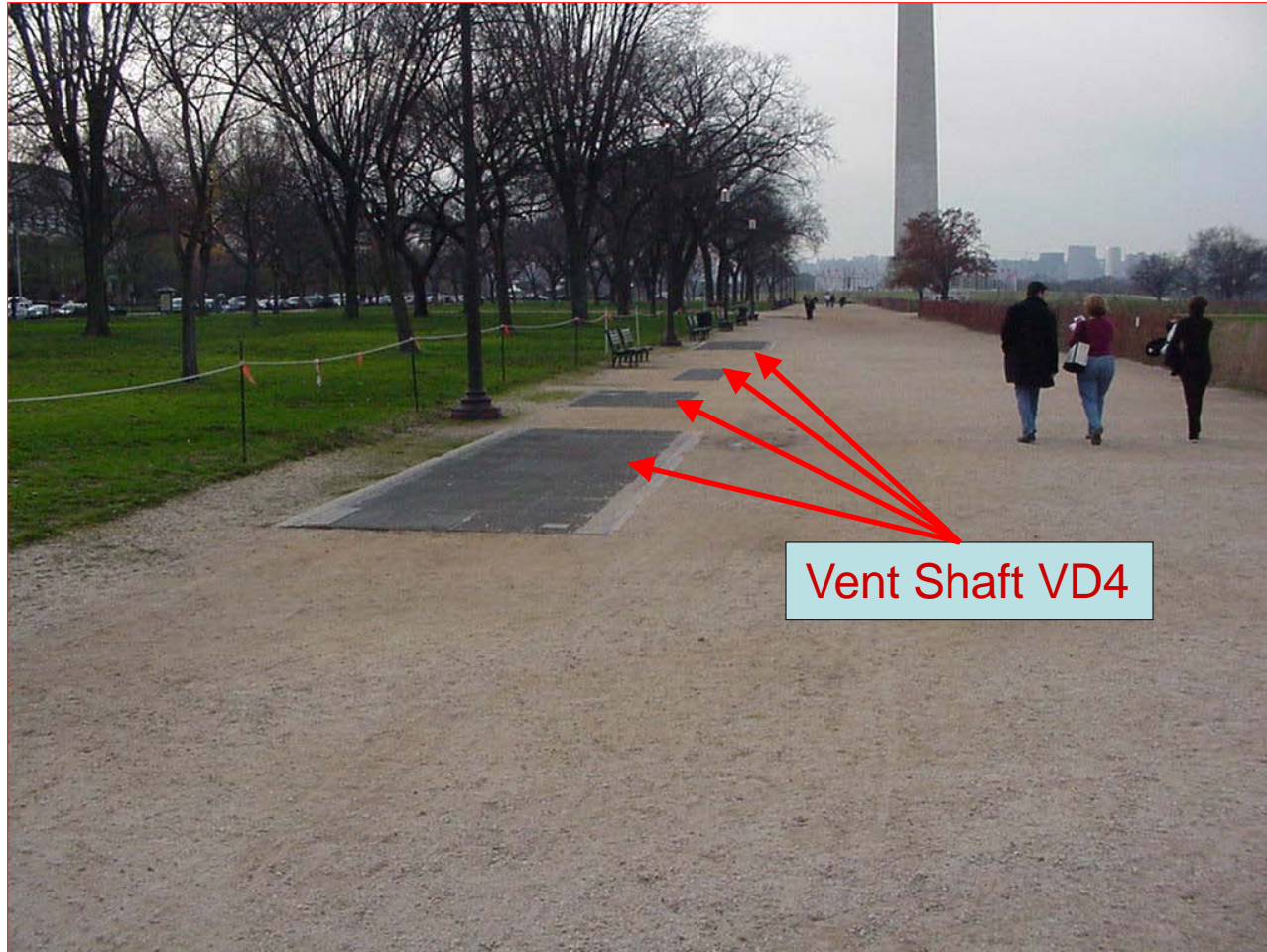
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Vent Shaft VD4 – Adams Drive



Fan and Vent Shaft Flood Remediation National Mall Area



Vent Shaft VD4 – Adams Drive



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Fan Shaft FF2



Fan and Vent Shaft Flood Remediation National Mall Area



Fan Shaft FF2 – 1 7th Street, N.W.



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Potential Solutions



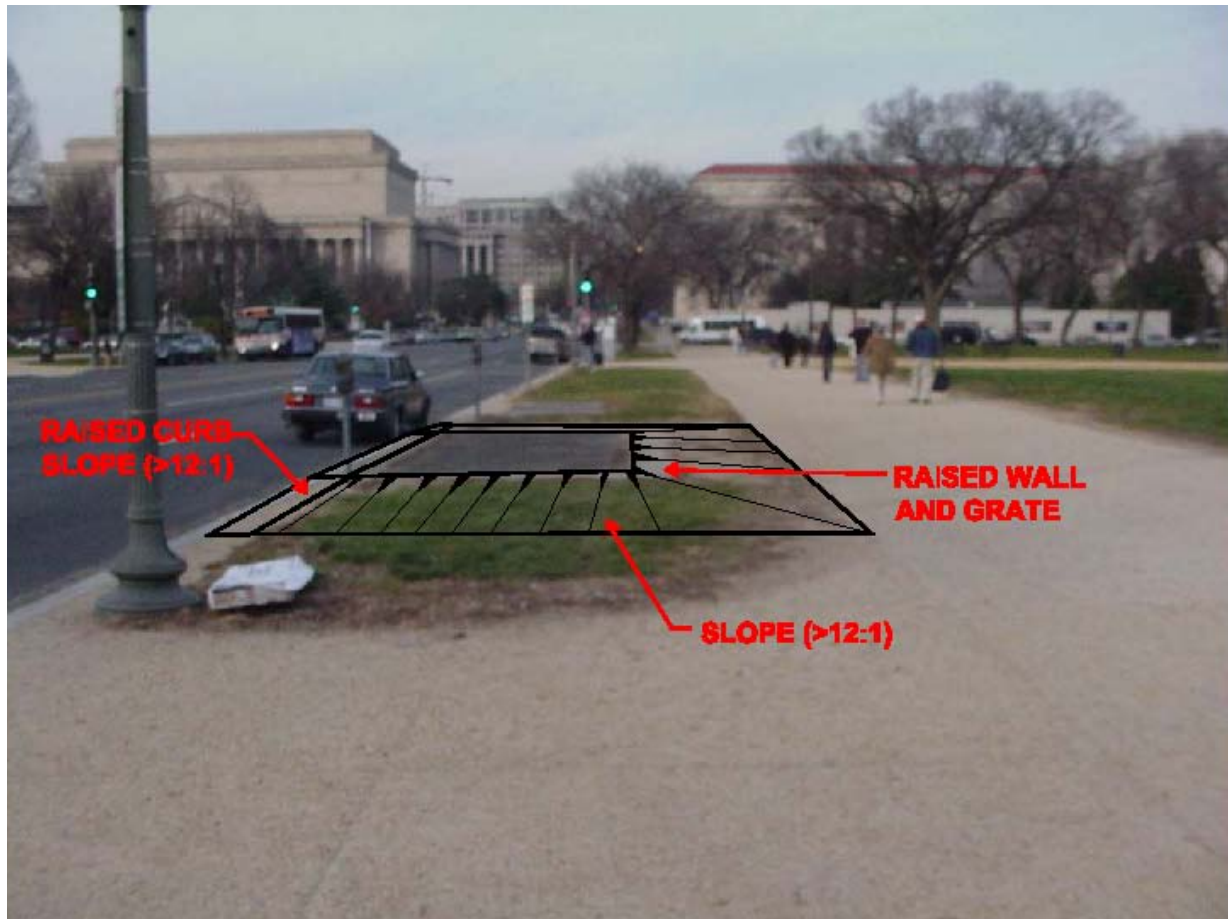
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Fan Shaft FF2 – 1 7th Street, N.W.



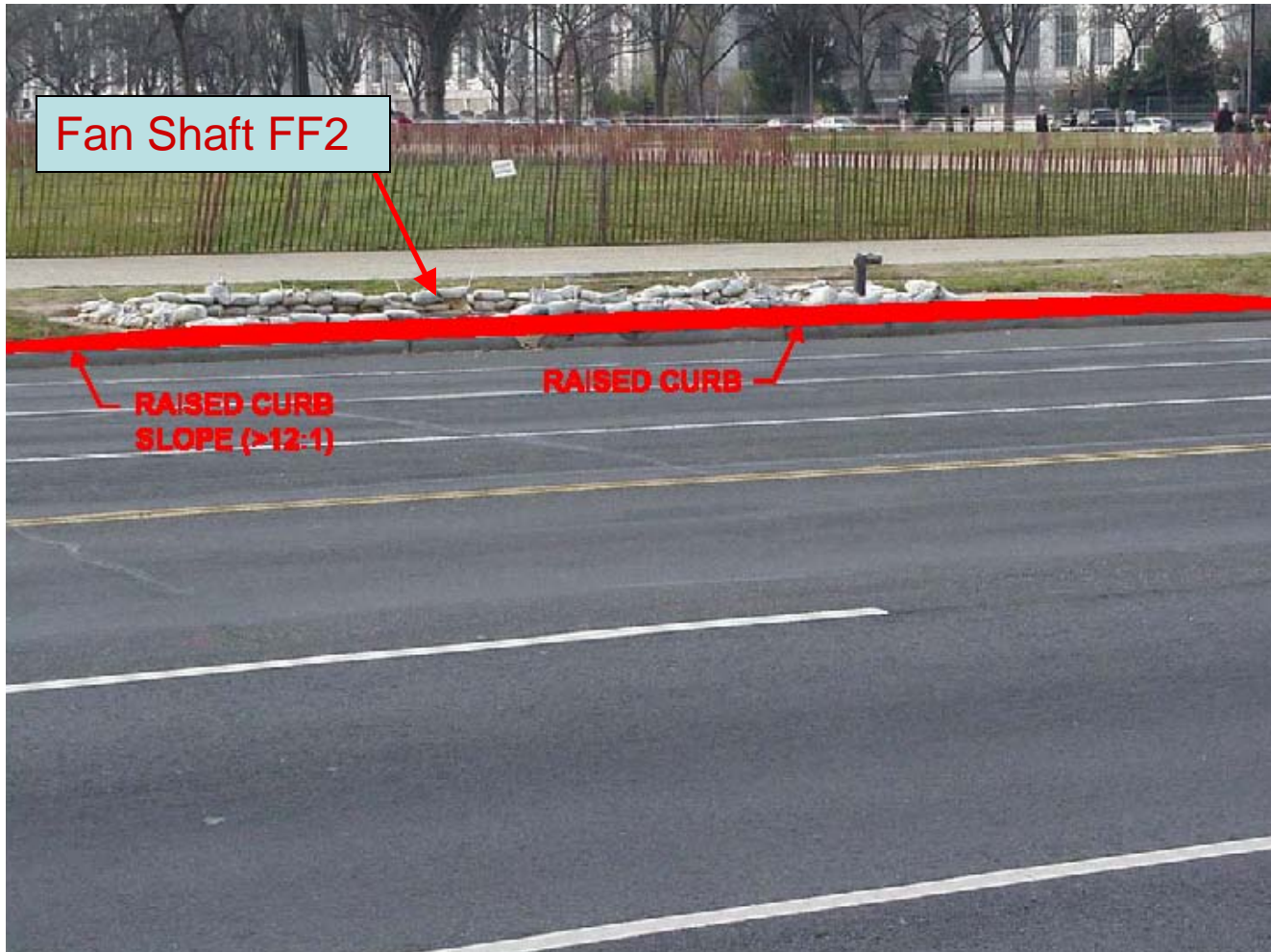
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Fan Shaft FF2 – 1 7th Street, N.W.



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Fan Shaft FF2 – 1 7th Street, N.W.



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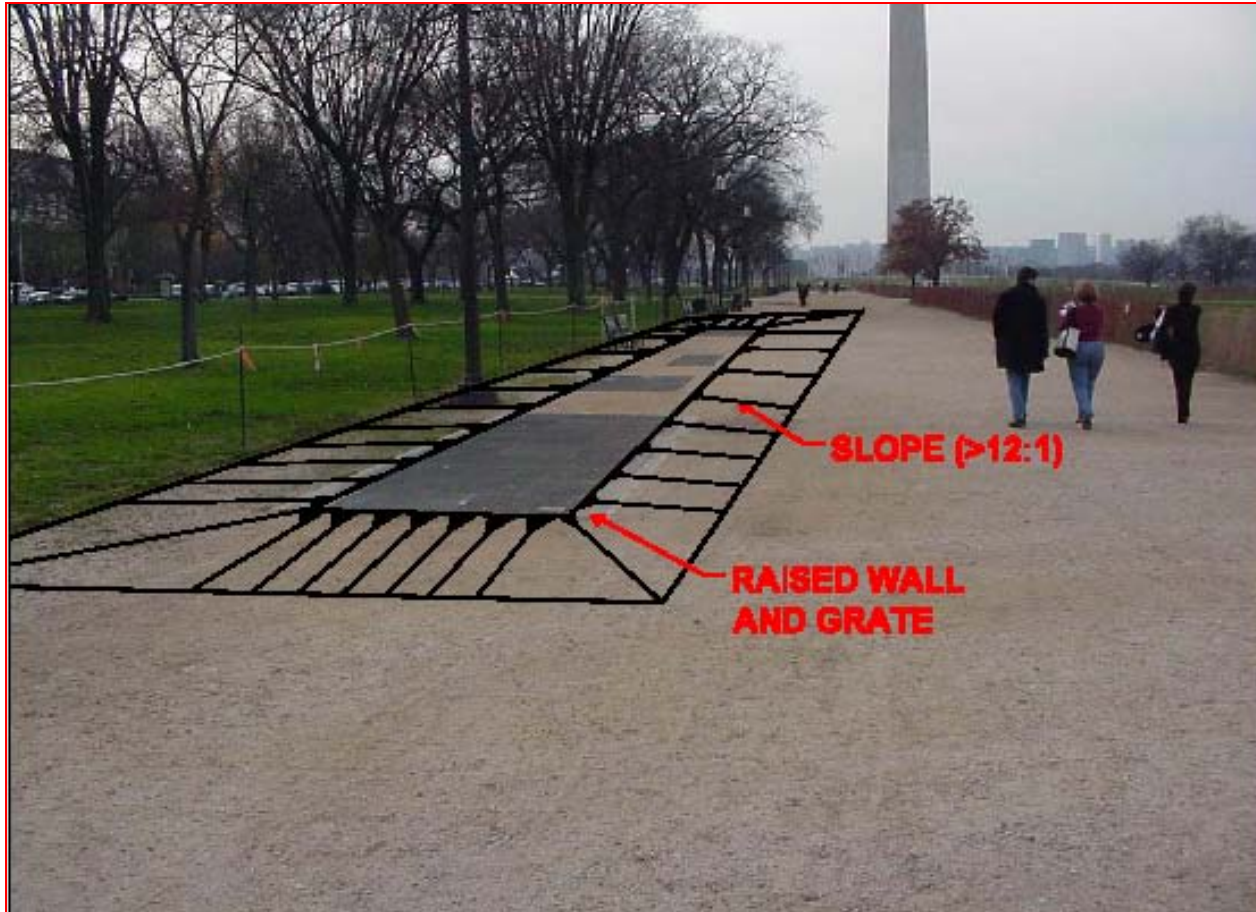
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Vent Shaft VF3 – 701 Constitution Avenue, N.W.



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Vent Shaft VD4 – Proposed Improvement