PRESENTATION TO SECTION 106 CONSULTING PARTIES

SEPTEMBER 29, 2006

AGENDA

- 1. Welcome
- 2. Review of Agenda
- 3. Museum Experience WTCMF
- 4. Memorial/Museum Design Update DBB
 - a. North and South Tower Plans
 - b. Footings
- 5. Access Considerations DBB
 - a. Slurry Wall
 - b. Perimeter Box Beam Column Remnants
 - c. Consultation
- 6. Site Status DBB
 - a. Conditions Survey Status
 - b. Footprint Slab Remnant
 - c. Construction Update
- 7. Vesey Street Stair Remnant Update PANYNJ
- 8. Artifacts Update PANYNJ
- 9. Next Steps

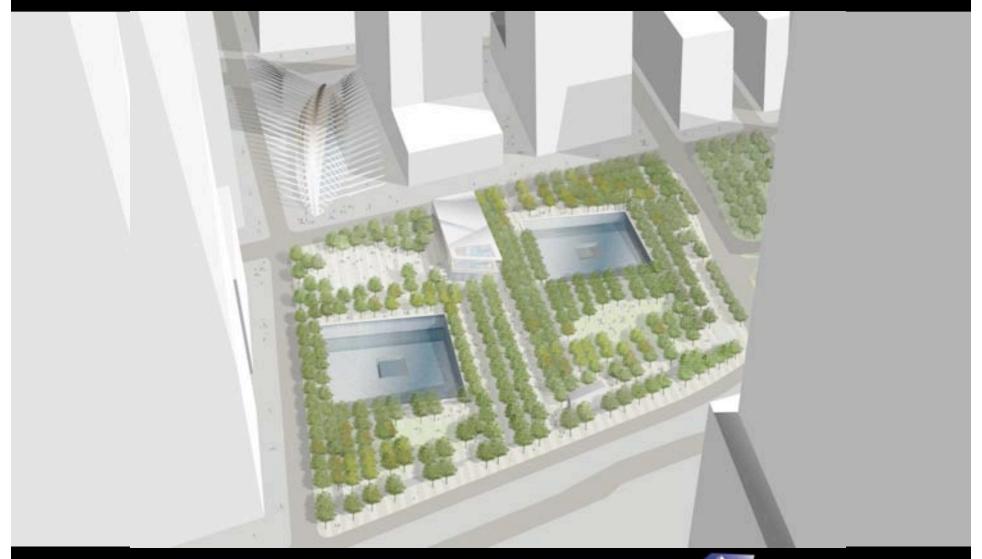
Exhibition Sequence

Building the Memorial and Museum





Aerial View of Memorial Quadrant





The Memorial: Reflecting Absence



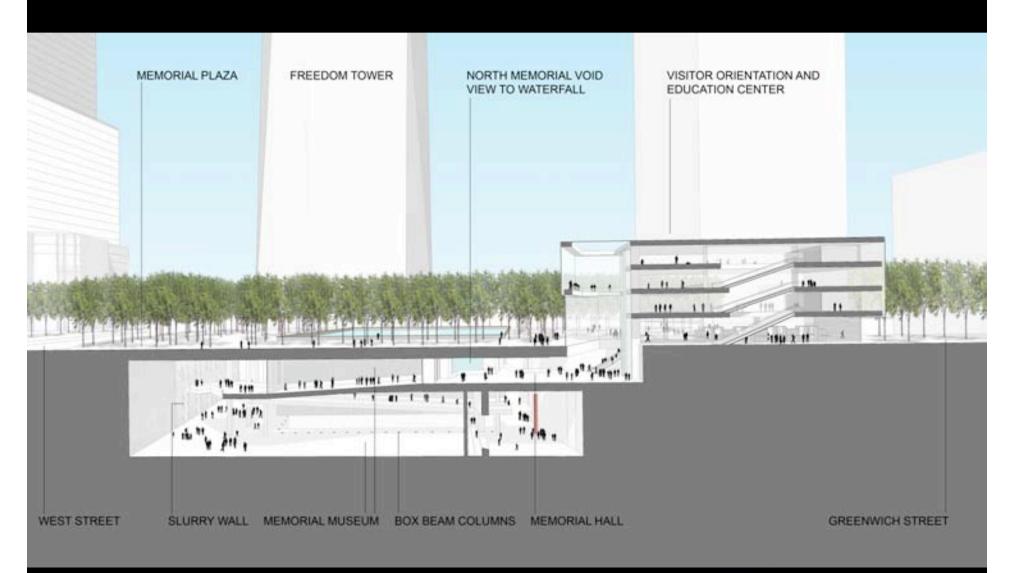


The Memorial Plaza



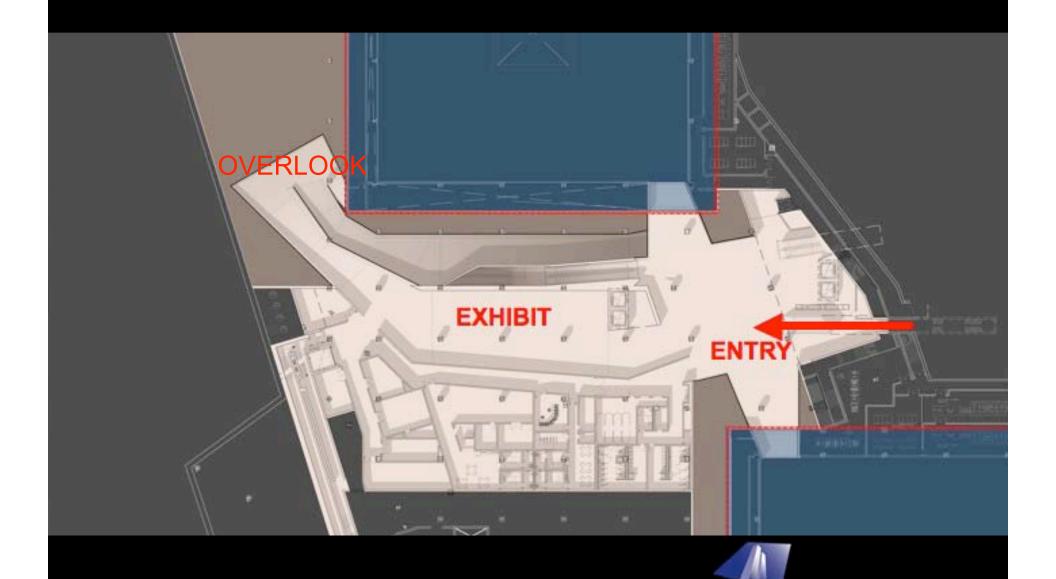


Cross-section of Memorial and Museum



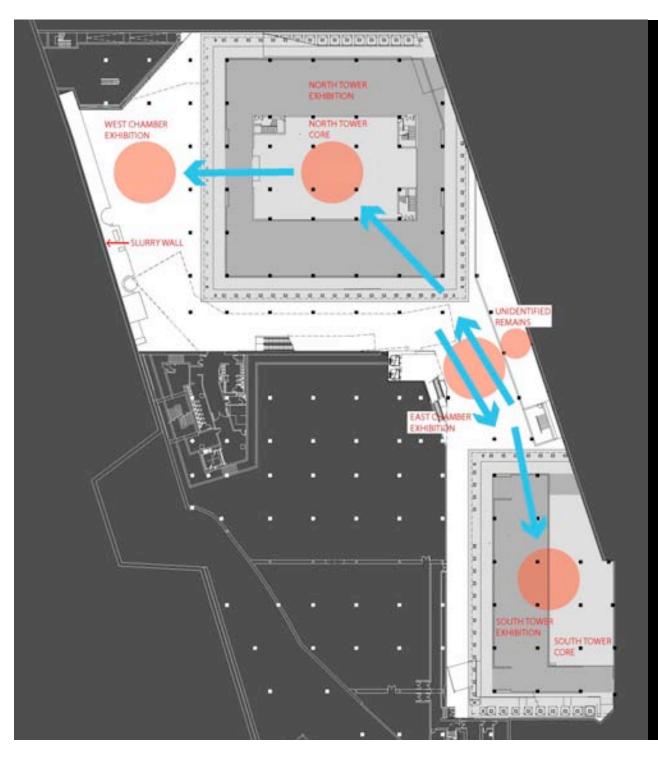


Memorial Museum Exhibit Level



Memorial Museum Descent and Overlooks





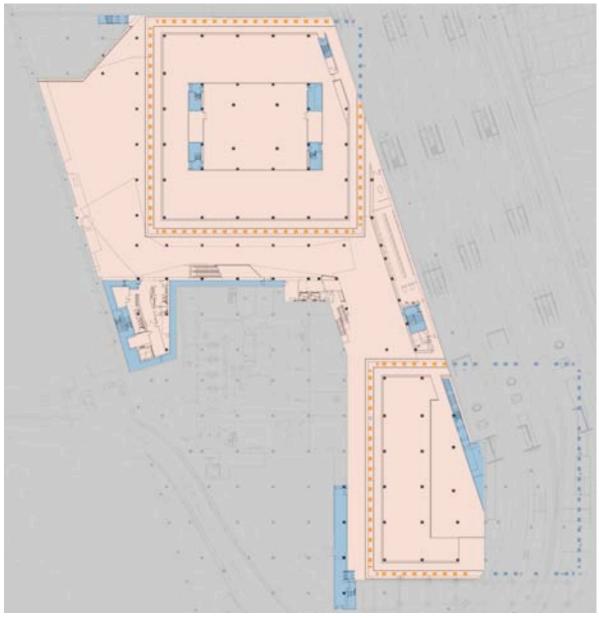
Memorial Museum at Bedrock







Design Update



EL.+242': "BEDROCK" LEVEL

Key Responses:

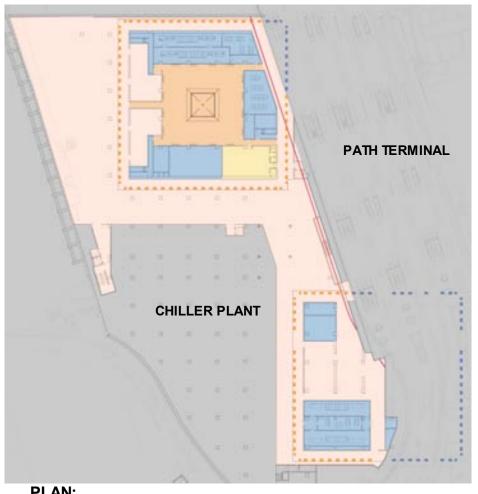
Minimized structural impact from columns.

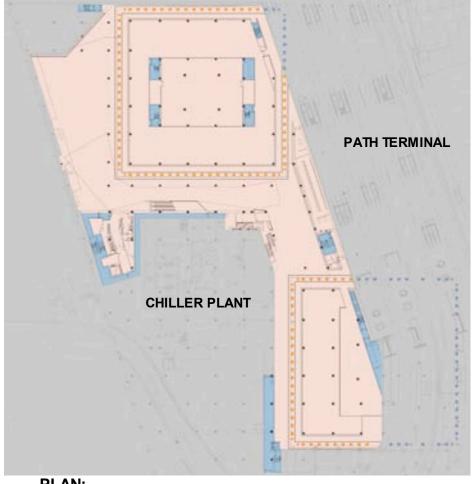
Eliminated shear walls from footprint areas.

Relocated mechanical equipment.

Reorganized egress stair locations.

BEDROCK LEVEL: EL. +242' MEMORIAL MUSEUM SCHEMATIC DESIGN UPDATE

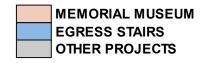


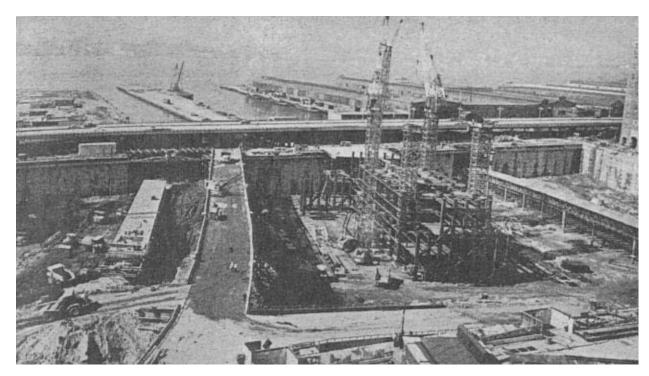


PLAN: SEPTEMBER 14, 2005

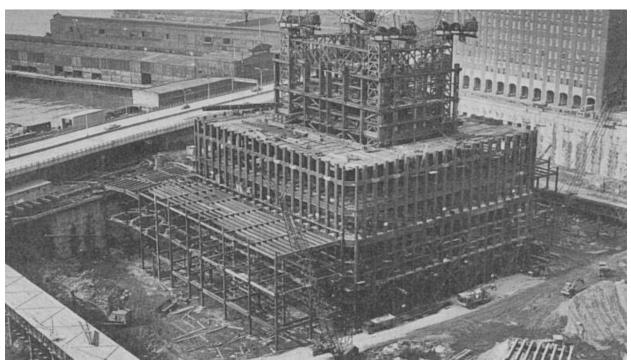
MUSEUM
MEMORIAL
FAMILY
MECHANICAL RM. AND EGRESS STAIRS
OTHER PROJECTS

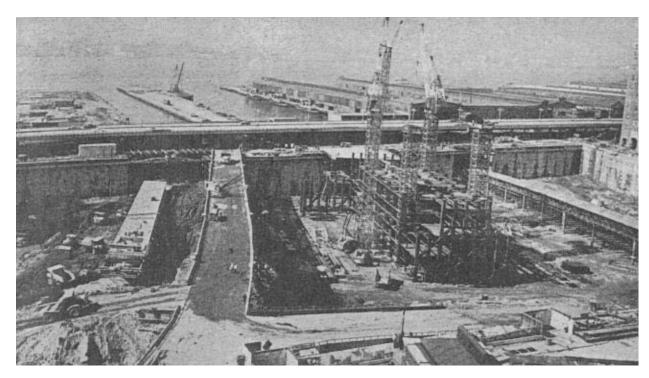
PLAN: AUGUST 31, 2006



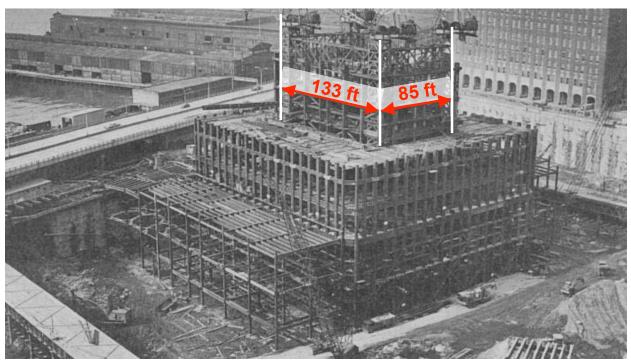


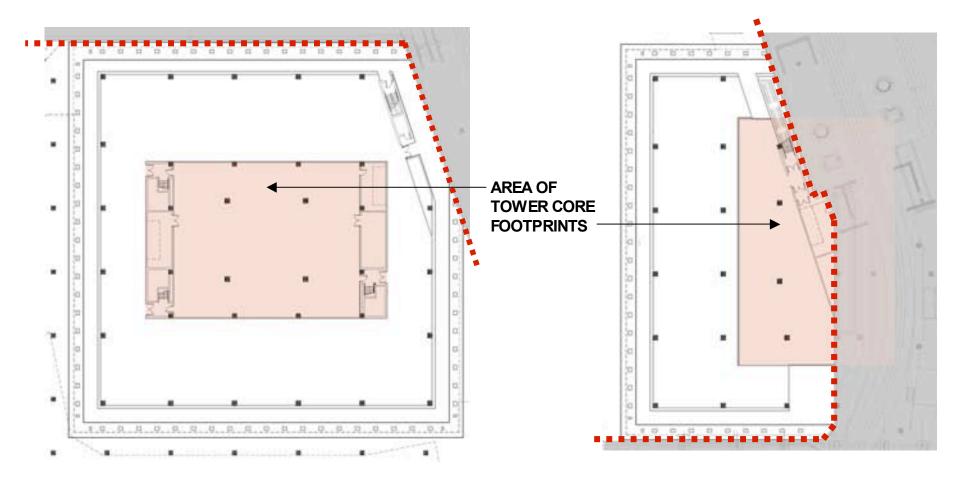
North Tower Construction





North Tower Construction

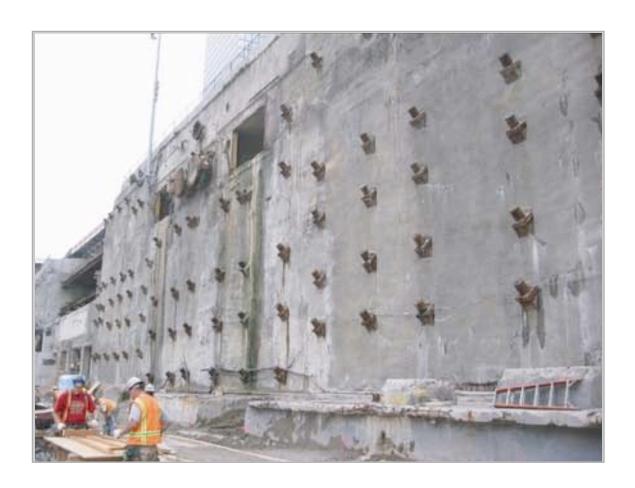




North Tower Footprint

South Tower Footprint

Access Considerations SLURRY WALL



Key Design Issues:

Long term solution.

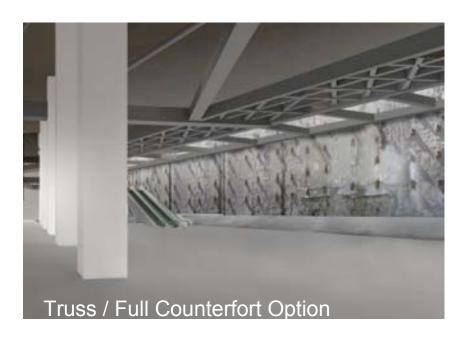
Constructability.

Preservation.

Visitor experience.

Waterproofing.

Cost.





PREVIOUS SLURRY WALL OPTIONS (presented January 11, 2006)







Option 1 Key Design Issues:

Long term solution. PANYNJ Review Pending

Constructability. Resolved

Preservation. Consultation Pending

Visitor experience. Consultation Pending

Waterproofing. Resolved

Cost. Cost Estimate Pending



Option 2 Key Design Issues:

Long term solution. PANYNJ Review Pending

Constructability. Resolved

Preservation. Consultation Pending

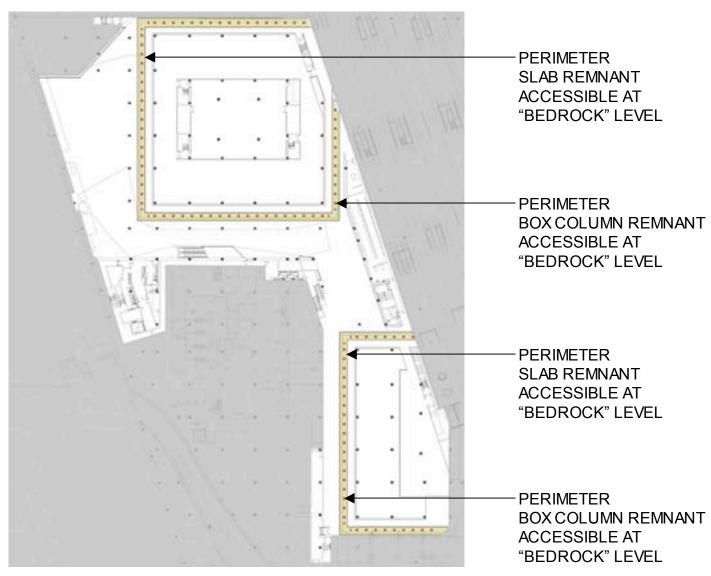
Visitor experience. Consultation Pending

Waterproofing. Resolved

Cost. Cost Estimate Pending

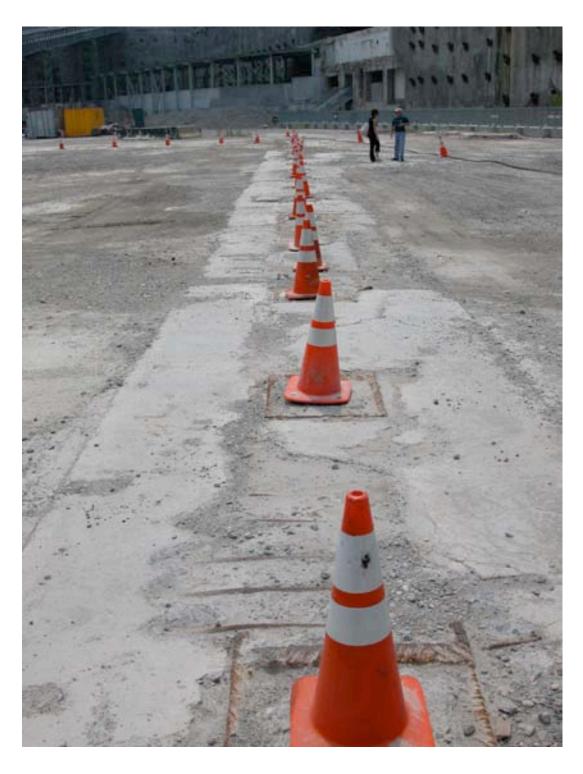
Access Considerations

PERIMETER BOX COLUMNS





Perimeter Slab Remnant Accessible at "Bedrock" Level Perimeter Box Column Remnant Accessible at "Bedrock" Level



Meaningful Access

Key Considerations:

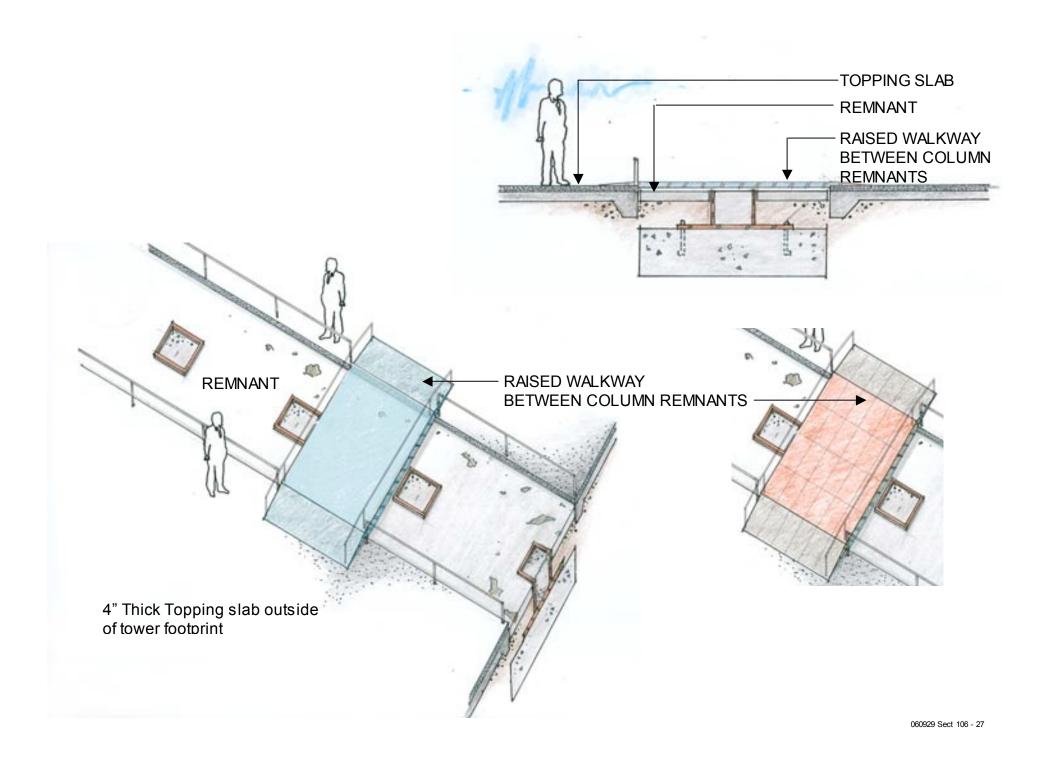
Preservation.

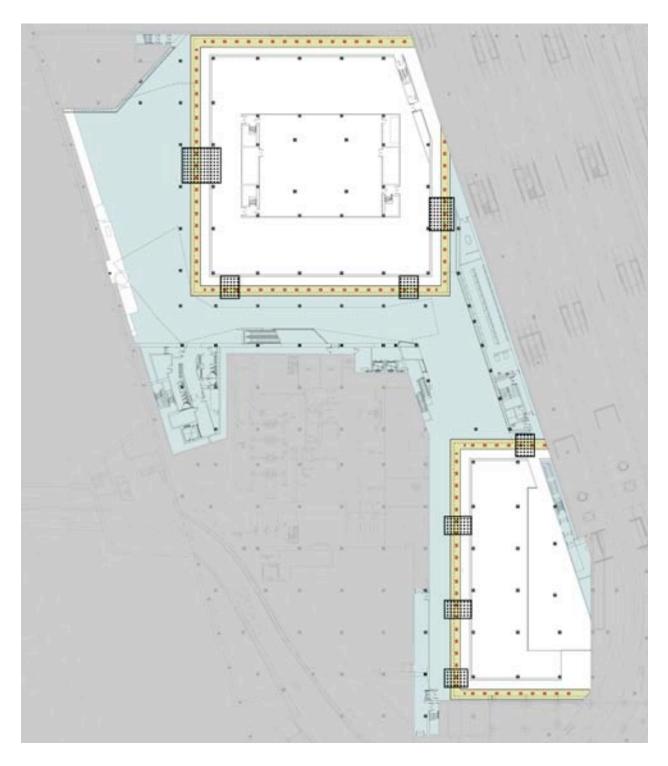
Visitor Experience.

Accessibility.

Safety.

Western Perimeter of North Tower, July 27, 2005





Recommended Access For All Available Box Columns

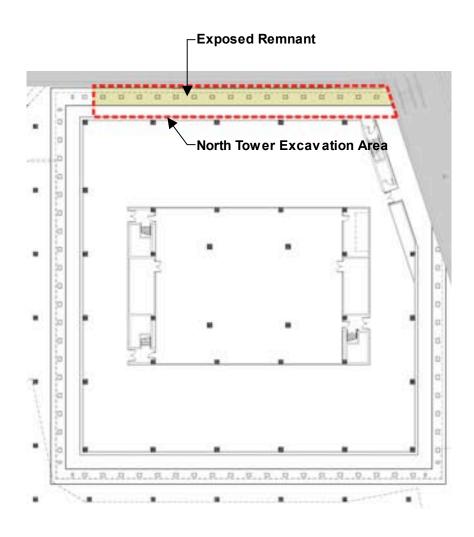


Perimeter Slab Remnant 4" topping slab

Perimeter Box Column Remnants Raised Walkways (Locations TBD)



Additional Proposed Treatment of Box Columns in Select Areas

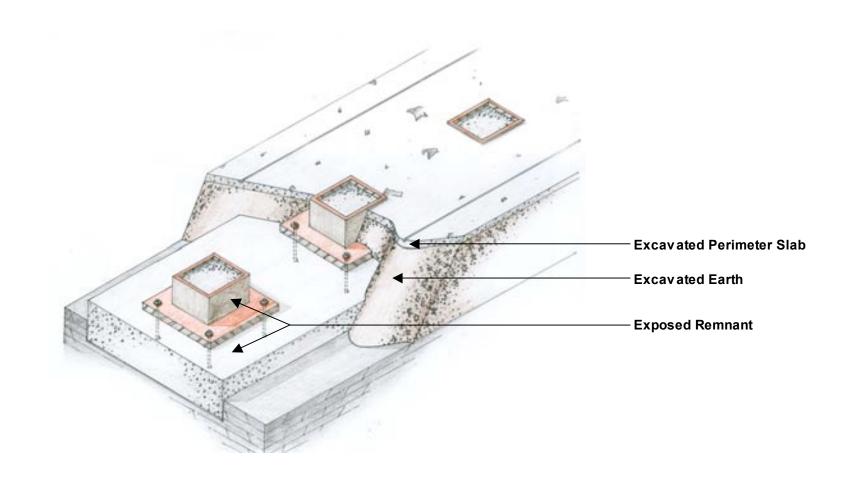


F 0 0 0 0 0 **Exposed Remnant** South Tower Excavation Area

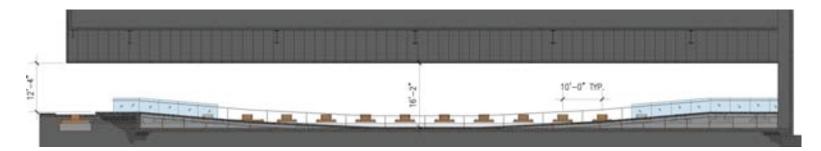
North Tower Footprint

South Tower Footprint

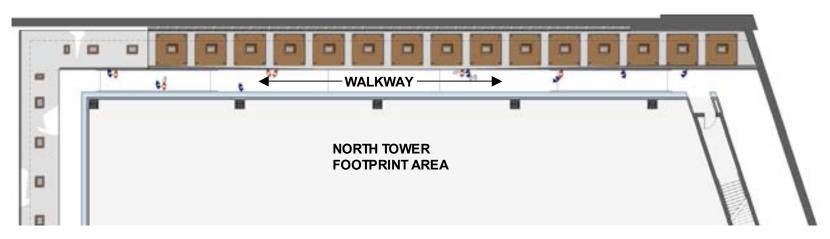
Additional Proposed Treatment of Box Columns in Select Areas "BEDROCK LEVEL" - EXCAVATIONS



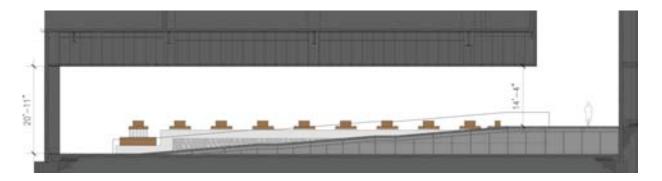
Typical Excavated Remnant



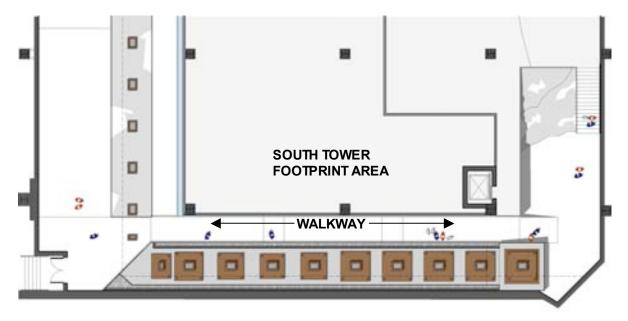
2. North Tower Excavation Area Section



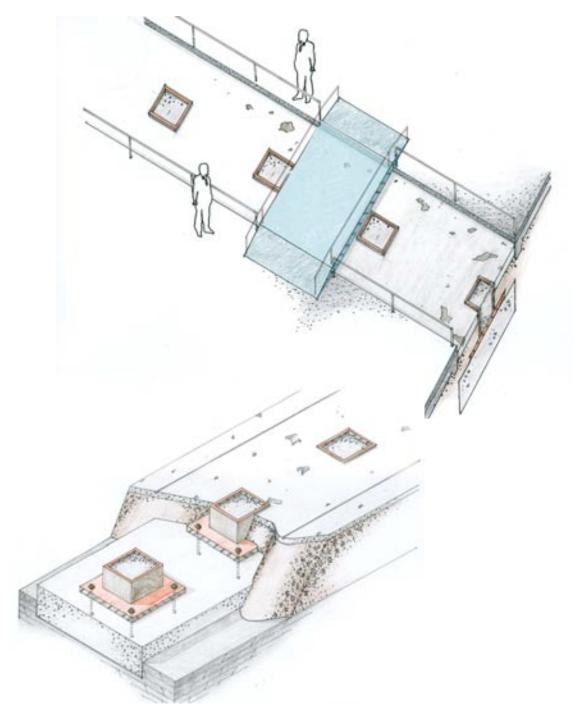
1. North Tower Excavation Area Plan



2. South Tower Excavation Area Section



1. South Tower Excavation Area Plan



Raised Walkway:

Recommended Access For All Available Box Columns

Provides long term preservation.

Respectful and meaningful Visitor experience.

Resolves issues of accessibility and safety.

Areas of Excavation:

Proposed Treatment of Box Columns in Select Areas

SITE STATUS CONDITIONS SURVEY STATUS



Site Survey

Additional Information

North Tower Footprint:

4 Core Columns Located

14 Steel Base Plates Located

South Tower Footprint:

6 Additional Core Columns Located (18 total located)

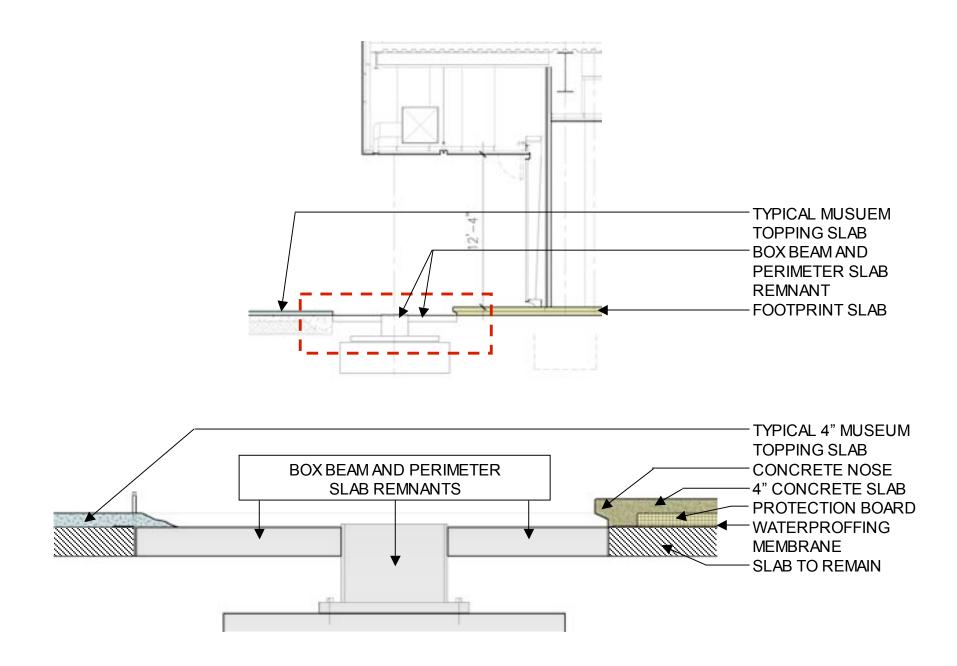
5 Steel Base Plates Located

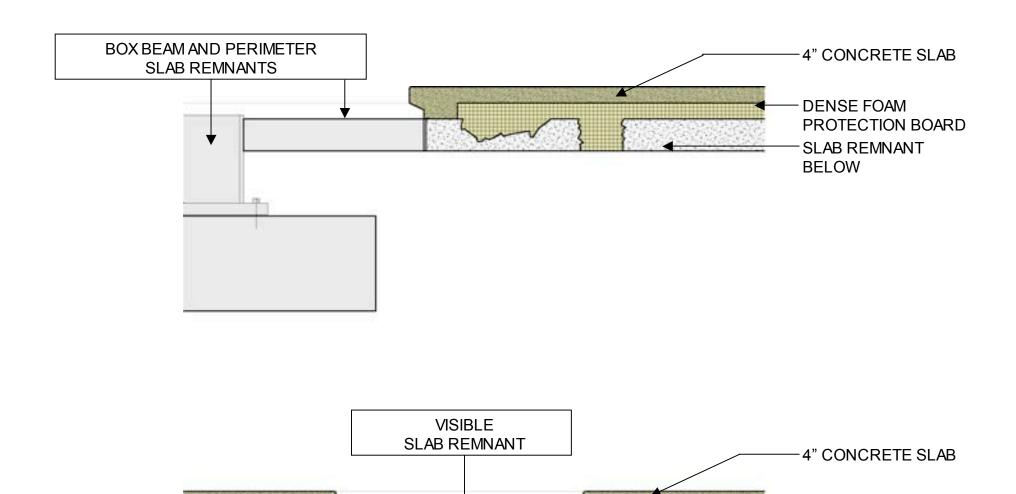
Survey dated May 3, 2006

Site Status FOOTPRINT SLAB



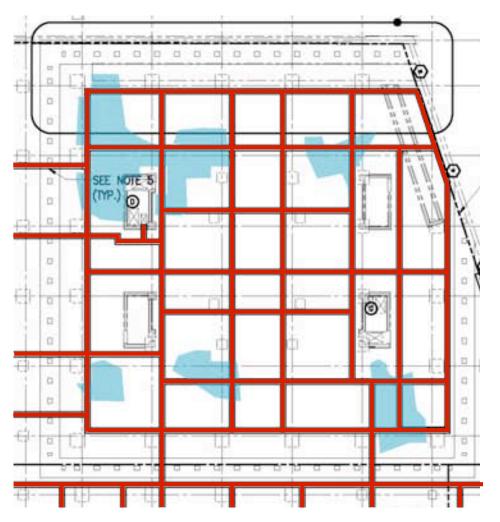
Footprint Slab: Protective Membrane and Topping Slab
Typical Museum Floor: 4" Topping Slab





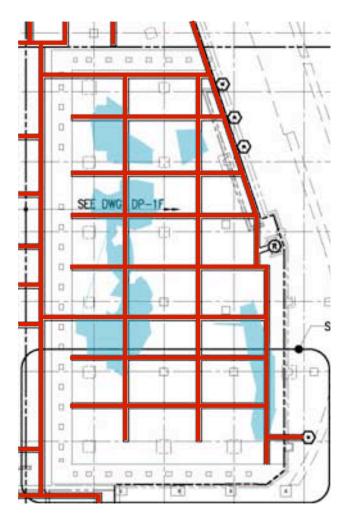
DENSE FOAM

PROTECTION BOARD



North Tower Footprint



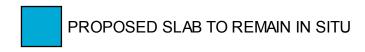


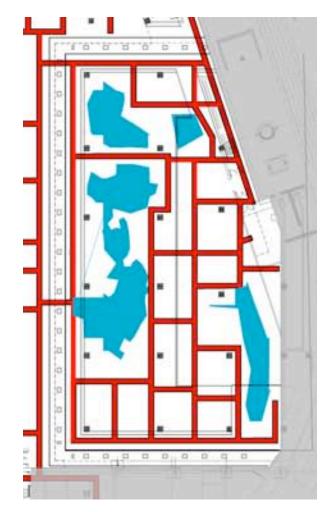
South Tower Footprint

EL.+242': "BEDROCK" LEVEL



North Tower Footprint





South Tower Footprint

EL.+242': "BEDROCK" LEVEL