

- Primary Study Area
  - Project Area
  - Open Space Resources
- Key for Shadows:
- Existing Conditions
  - No Build Conditions

June 21,  
10:30AM

**2010 - No Build Conditions  
One Penn Plaza**

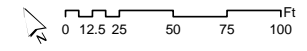
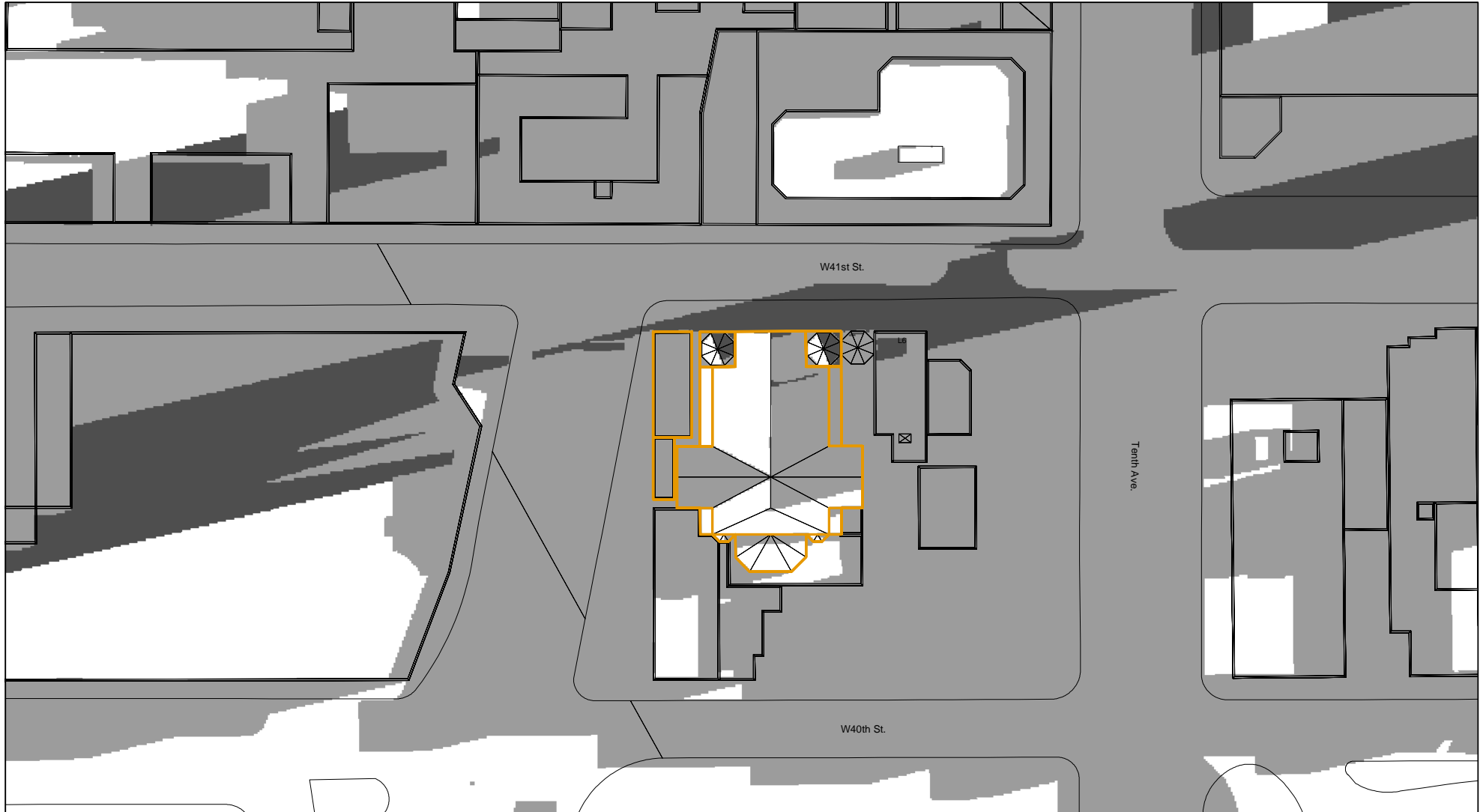


Figure 8-41



- Primary Study Area
  - Project Area
  - Historic Resources
- Key for Shadows:
- Existing Conditions
  - No Build Conditions

March 21.  
7:36AM

**2010 - No Build Conditions  
St. Raphael's Roman Catholic Church**

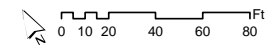
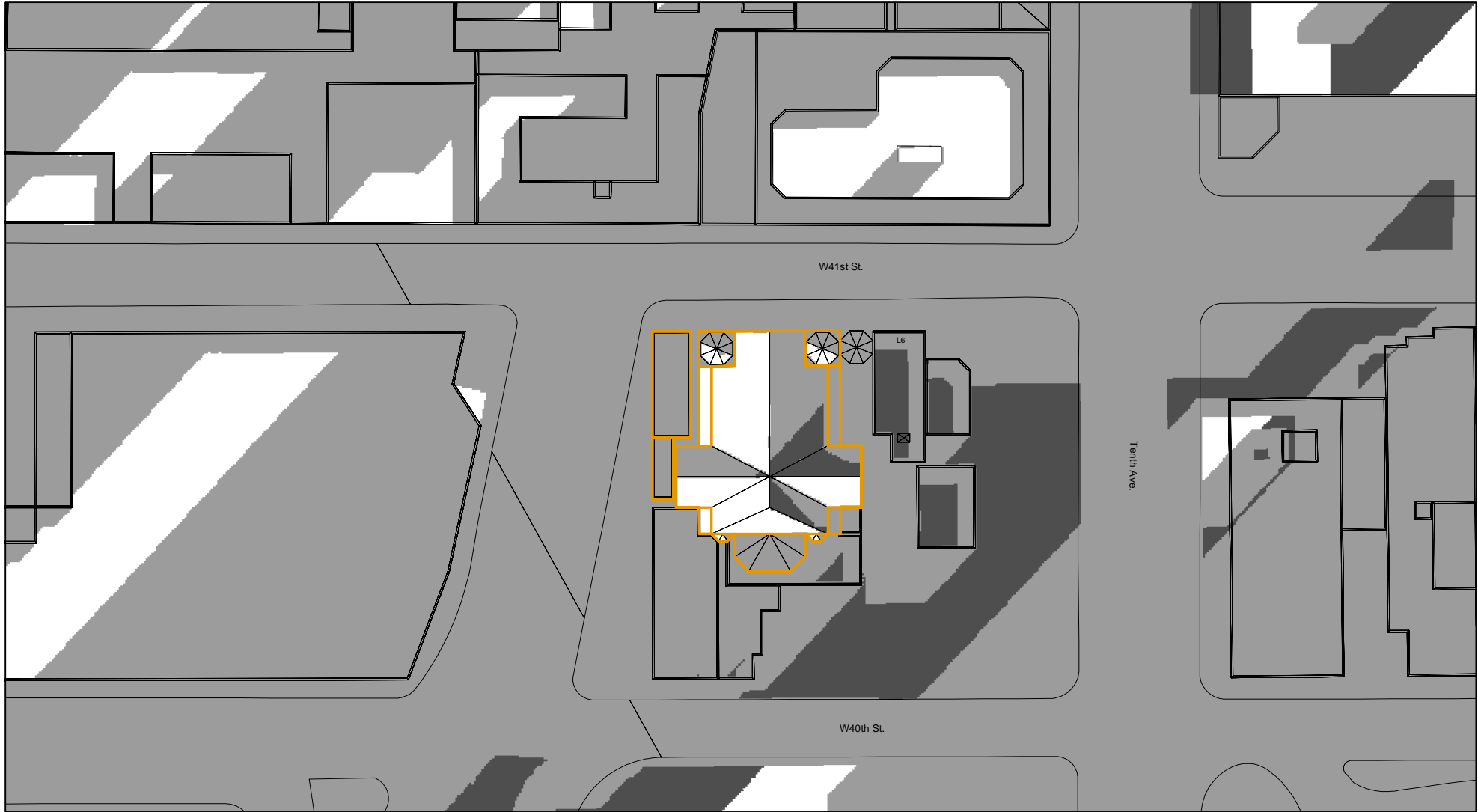


Figure 8-42



  Primary Study Area        Historic Resources  
  Project Area  
 Key for Shadows:  
 Existing Conditions  
 No Build Conditions



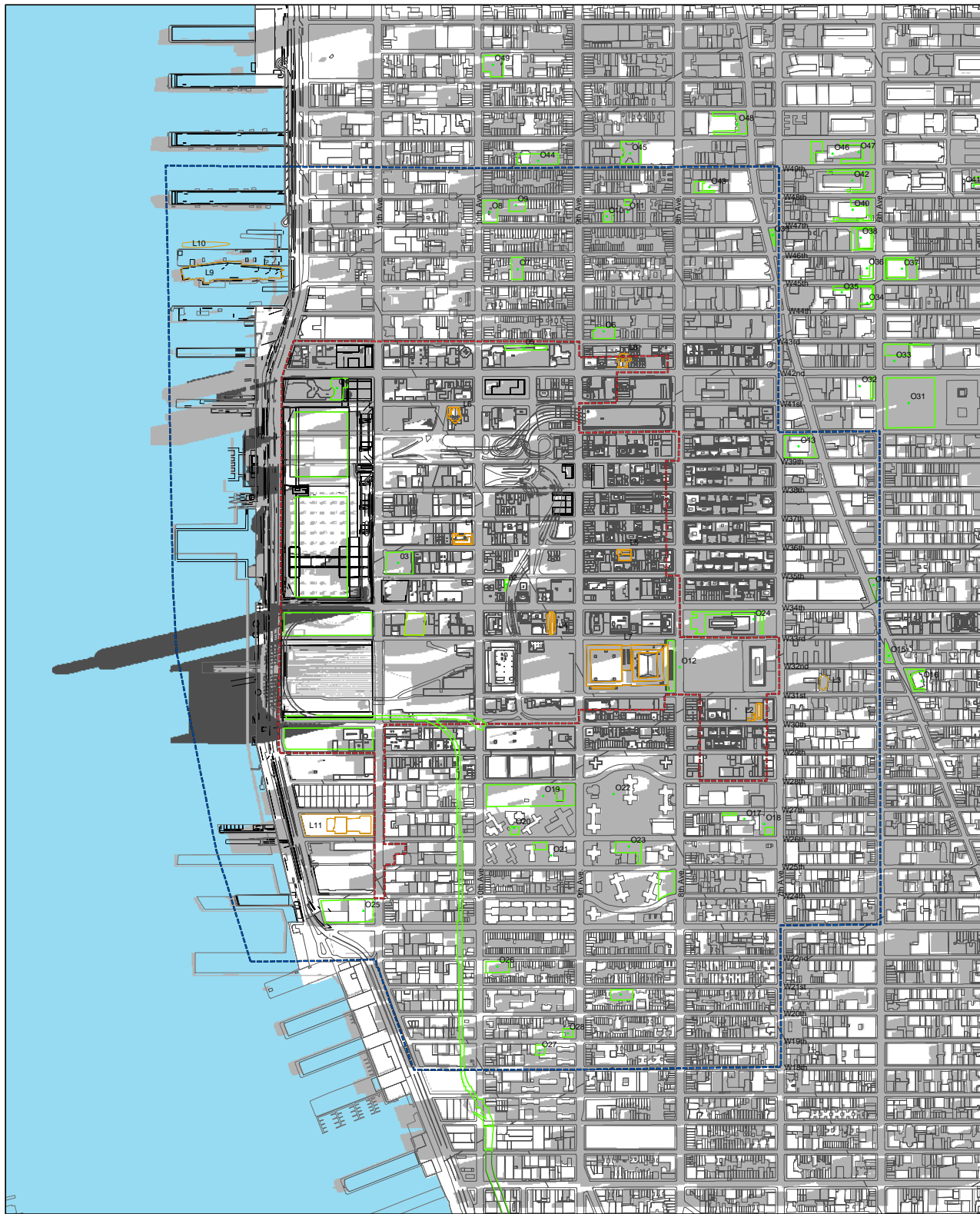


- Primary Study Area
  - Project Area
  - Historic Resources
- Key for Shadows:
- Existing Conditions
  - No Build Conditions



June 21.  
6:57AM

**2010 - No Build Conditions**  
**St. Raphael's Roman Catholic Church**



Open Space Resources

Res. No.	Resource Name
O1	2 Penn Plaza
O2	Bob's Park
O3	Javits Plaza
O4	640 W42nd St. Plaza
O5	Gregory J.M. Portley Plaza
O6	McCaffry Playground
O7	May Mathews Playground
O8	Heil's Kitchen Park
O9	Clinton Community Garden
O10	Ramon Aponte Park
O11	Marion S. Heishel Garden
O12	Post Office Stairs
O13	Golds Meir Square
O14	Herald Square
O15	Greely Square
O16	1250 Broadway Plaza
O17	230 W27th St. Park
O18	Fit Plaza

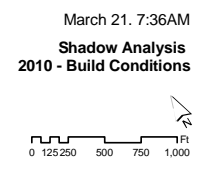
Res. No.	Resource Name
O19	Chelsea Park
O20	Elliot Houses Open Space
O21	Chelsea Houses Open Space
O22	Penn South Houses Open Space
O23	Penn Station South Houses Playground
O24	1 Penn Plaza
O25	Chelsea Waterside Park
O26	Clement Clarke Moore Park
O31	Bryant Park
O32	1095 5 Sixth Avenue Plaza
O33	Grace Plaza
O34	1155 Avenue of the Americas Plaza
O35	DeShaw & Co. Plaza
O36	1177 Avenue of the Americas Plaza
O37	1166 Ave. of the Americas Plaza
O38	1185 Ave. of the Americas-Westpoint Stevens Twr.
O39	Father Duffy Square
O43	235 W48th St. Plaza

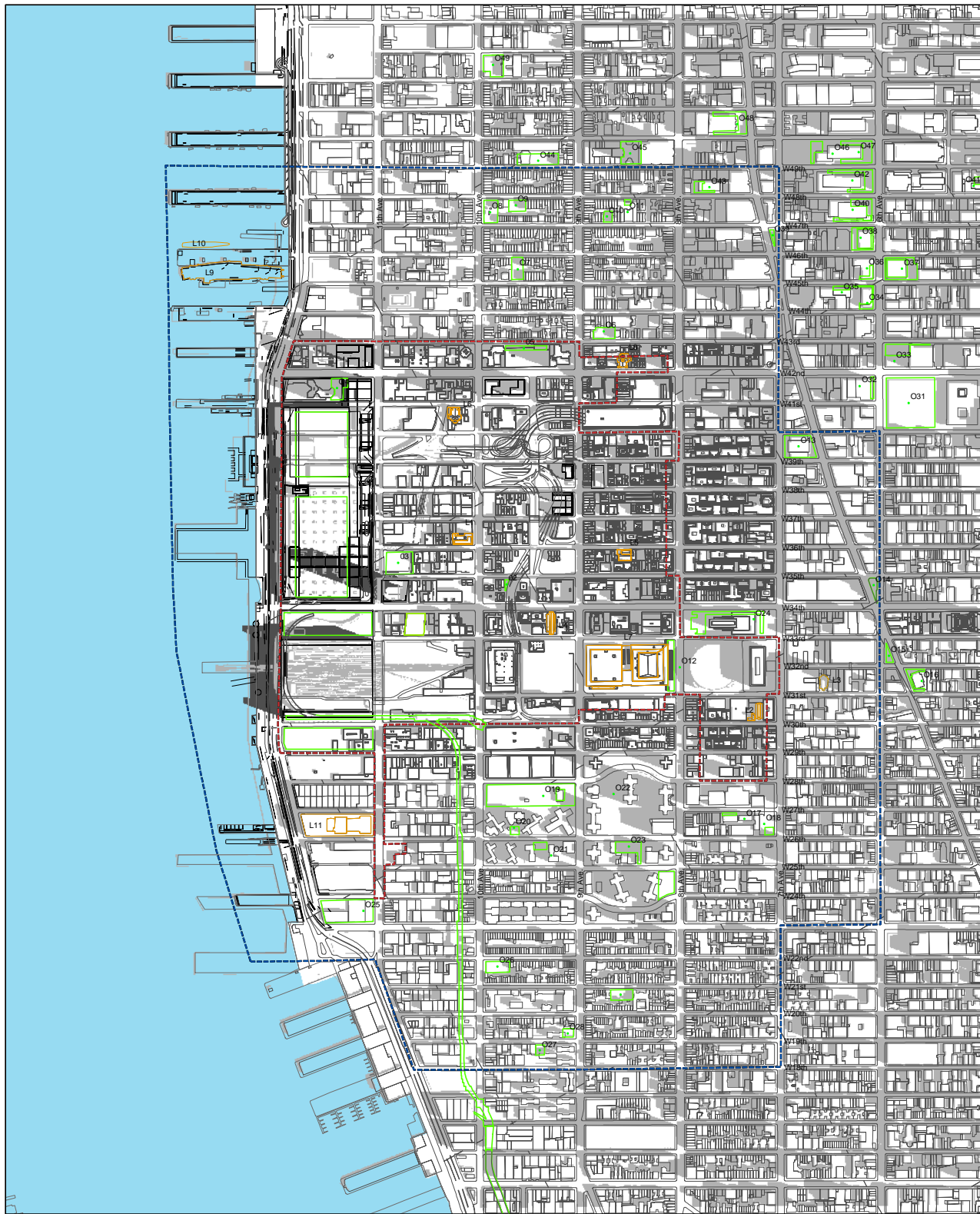
Res. No.	Resource Name
O44	High School of Graphic Comm./Guttenberg Plygrnd.
O45	Worldwide Plaza
O46	945 Seventh Ave. Plaza
O47	1251 Ave. of the Americas Plaza
O48	1633 Broadway/Paramount Plaza
O50	W. 33rd-34th Streets
O51	W. 34th-35th Streets
O52	W. 35th-36th Streets
O53	W. 36th-37th Streets
O54	W. 37th-38th Streets
O55	W. 38th-39th Streets
O56	W. 41st-42nd Streets
O57	Hudson River
O58	Hudson River Park
O59	Convention Center Roof Park
O60	Multi-Use Facility Park
O61	Block 675 Park
O62	High Line

Historic Resources

Res. No.	Resource Name
L1	Hill Building
L2	St. John the Baptist Roman Catholic Church
L3	St. Francis Roman Catholic Church
L4	St. Michael's Catholic Church
L5	Christ Church Memorial
L6	St. Raphael's Roman Catholic Church
L7	The James A. Farley Building
L8	Holy Cross Roman Catholic Church
L9	USS Intrepid
L10	USS Edison
L11	Starrett-Lehigh

- Project Area
  - Primary Study Area
  - Open Space Resources
  - Historic Resources
  - Projected Sites
- Key for Shadows:
- Existing and No Build Conditions
  - Incremental Shadow





Open Space Resources

Res. No.	Resource Name
O1	2 Penn Plaza
O2	Bob's Park
O3	Javits Plaza
O4	640 W42nd St. Plaza
O5	Gregory J.M. Portley Plaza
O6	McCaffry Playground
O7	May Mathews Playground
O8	Heil's Kitchen Park
O9	Clinton Community Garden
O10	Ramon Aponte Park
O11	Marion S. Heishel Garden
O12	Post Office Stairs
O13	Golds Meir Square
O14	Herald Square
O15	Greely Square
O16	1250 Broadway Plaza
O17	230 W27th St. Park
O18	Fit Plaza

Res. No.	Resource Name
O19	Chelsea Park
O20	Elliot Houses Open Space
O21	Chelsea Houses Open Space
O22	Penn South Houses Open Space
O23	Penn Station South Houses Playground
O24	1 Penn Plaza
O25	Chelsea Waterside Park
O26	Clement Clarke Moore Park
O31	Bryant Park
O32	1095 5 Sixth Avenue Plaza
O33	Grace Plaza
O34	1155 Avenue of the Americas Plaza
O35	DeShaw & Co. Plaza
O36	1177 Avenue of the Americas Plaza
O37	1166 Ave. of the Americas Plaza
O38	1185 Ave. of the Americas-Westpoint Stevens Twr.
O39	Father Duffy Square
O43	235 W48th St. Plaza

Res. No.	Resource Name
O44	High School of Graphic Comm./Guttenberg Plygrnd.
O45	Worldwide Plaza
O46	945 Seventh Ave. Plaza
O47	1251 Ave. of the Americas Plaza
O48	1633 Broadway/Paramount Plaza
O50	W. 33rd-34th Streets
O51	W. 34th-35th Streets
O52	W. 35th-36th Streets
O53	W. 36th-37th Streets
O54	W. 37th-38th Streets
O55	W. 38th-39th Streets
O56	W. 41st-42nd Streets
O57	Hudson River
O58	Hudson River Park
O59	Convention Center Roof Park
O60	Multi-Use Facility Park
O61	Block 675 Park
O62	High Line

Historic Resources

Res. No.	Resource Name
L1	Hill Building
L2	St. John the Baptist Roman Catholic Church
L3	St. Francis Roman Catholic Church
L4	St. Michael's Catholic Church
L5	Christ Church Memorial
L6	St. Raphael's Roman Catholic Church
L7	The James A. Farley Building
L8	Holy Cross Roman Catholic Church
L9	USS Intrepid
L10	USS Edson
L11	Starrett-Lehigh

- Project Area
  - Primary Study Area
  - Open Space Resources
  - Historic Resources
  - Projected Sites
- Key for Shadows:
- Existing and No Build Conditions
  - Incremental Shadow

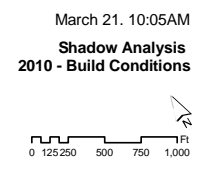
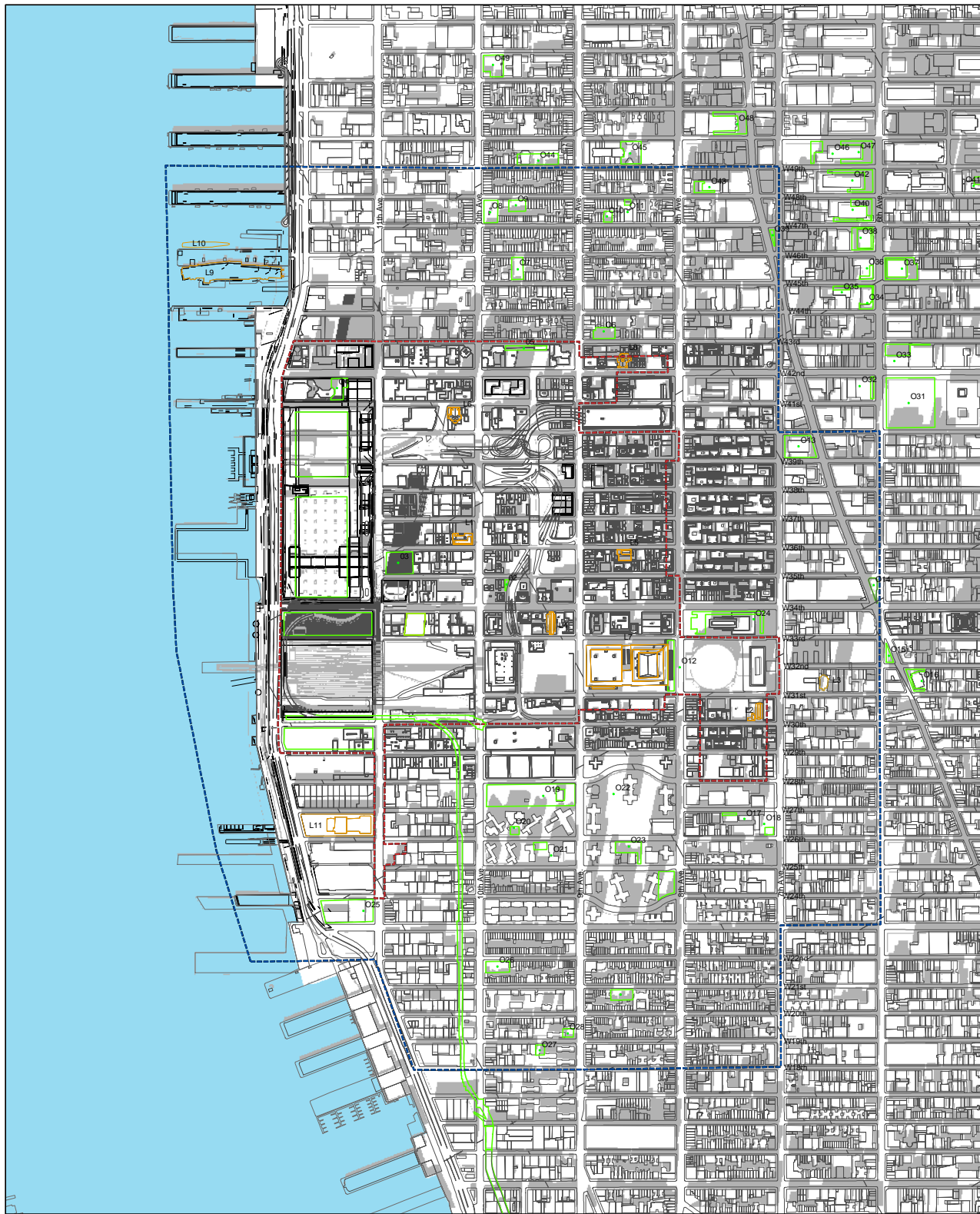


Figure 8-46





Open Space Resources

Res. No.	Resource Name
O1	2 Penn Plaza
O2	Bob's Park
O3	Javits Plaza
O4	640 W42nd St. Plaza
O5	Gregory J.M. Portley Plaza
O6	McCaffry Playground
O7	May Matthews Playground
O8	Heil's Kitchen Park
O9	Clinton Community Garden
O10	Ramon Aponte Park
O11	Marion S. Heishel Garden
O12	Post Office Stairs
O13	Golds Meir Square
O14	Herald Square
O15	Greely Square
O16	1250 Broadway Plaza
O17	230 W 27th St. Park
O18	Fit Plaza

Res. No.	Resource Name
O19	Chelsea Park
O20	Elliot Houses Open Space
O21	Chelsea Houses Open Space
O22	Penn South Houses Open Space
O23	Penn Station South Houses Playground
O24	1 Penn Plaza
O25	Chelsea Waterside Park
O26	Clement Clarke Moore Park
O31	Bryant Park
O32	1095 5 Sixth Avenue Plaza
O33	Grace Plaza
O34	1155 Avenue of the Americas Plaza
O35	DeShaw & Co. Plaza
O36	1177 Avenue of the Americas Plaza
O37	1166 Ave. of the Americas Plaza
O38	1185 Ave. of the Americas-Westpoint Stevens Twr.
O39	Father Duffy Square
O43	235 W48th St. Plaza

Res. No.	Resource Name
O44	High School of Graphic Comm./Guttenberg Plygrnd.
O45	Worldwide Plaza
O46	945 Seventh Ave. Plaza
O47	1251 Ave. of the Americas Plaza
O48	1633 Broadway/Paramount Plaza
O50	W. 33rd-34th Streets
O51	W. 34th-35th Streets
O52	W. 35th-36th Streets
O53	W. 36th-37th Streets
O54	W. 37th-38th Streets
O55	W. 38th-39th Streets
O56	W. 41st-42nd Streets
O57	Hudson River
O58	Hudson River Park
O59	Convention Center Roof Park
O60	Multi-Use Facility Park
O61	Block 675 Park
O62	High Line

Historic Resources

Res. No.	Resource Name
L1	Hill Building
L2	St. John the Baptist Roman Catholic Church
L3	St. Francis Roman Catholic Church
L4	St. Michael's Catholic Church
L5	Christ Church Memorial
L6	St. Raphael's Roman Catholic Church
L7	The James A. Farley Building
L8	Holy Cross Roman Catholic Church
L9	USS Intrepid
L10	USS Edison
L11	Starrett-Lehigh

Project Area  
 Primary Study Area  
 Key for Shadows:  
 Existing and No Build Conditions  
 Incremental Shadow

Open Space Resources  
 Historic Resources  
 Projected Sites



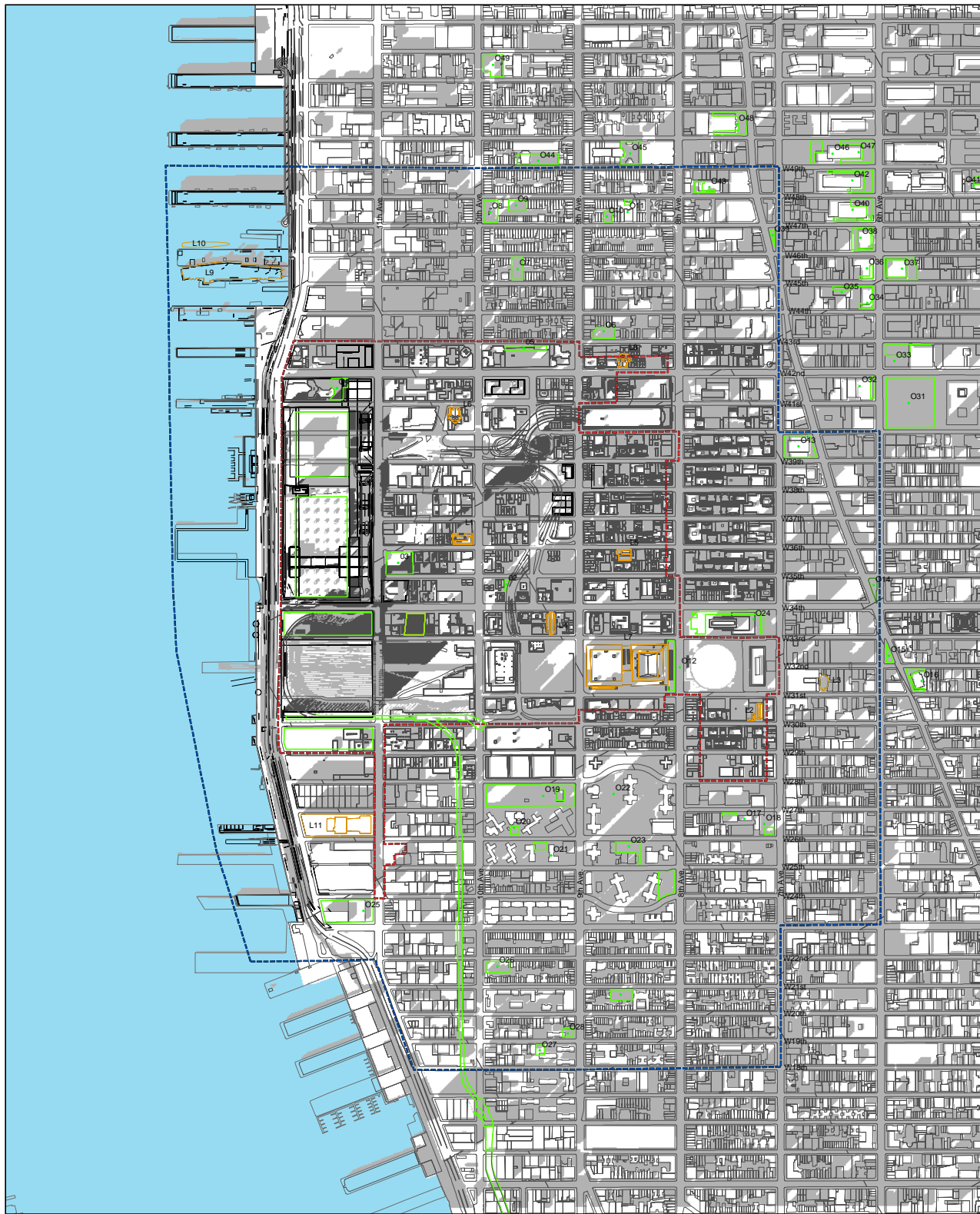
March 21, 1:59PM  
**Shadow Analysis**  
**2010 - Build Conditions**  
  


Figure 8-47



Open Space Resources

Res. No.	Resource Name
O1	2 Penn Plaza
O2	Bob's Park
O3	Javits Plaza
O4	640 W42nd St. Plaza
O5	Gregory J.M. Portley Plaza
O6	McCaffry Playground
O7	May Matthews Playground
O8	Heil's Kitchen Park
O9	Clinton Community Garden
O10	Ramon Aponte Park
O11	Marion S. Heishel Garden
O12	Post Office Stairs
O13	Golda Meir Square
O14	Herald Square
O15	Greely Square
O16	1250 Broadway Plaza
O17	230 W27th St. Park
O18	Fit Plaza

Res. No.	Resource Name
O19	Chelsea Park
O20	Elliot Houses Open Space
O21	Chelsea Houses Open Space
O22	Penn South Houses Open Space
O23	Penn Station South Houses Playground
O24	1 Penn Plaza
O25	Chelsea Waterside Park
O26	Clement Clarke Moore Park
O31	Bryant Park
O32	1095 5th Avenue Plaza
O33	Grace Plaza
O34	1155 Avenue of the Americas Plaza
O35	DeShaw & Co. Plaza
O36	1177 Avenue of the Americas Plaza
O37	1166 Ave. of the Americas Plaza
O38	1185 Ave. of the Americas-Westpoint Stevens Twr.
O39	Father Duffy Square
O43	235 W48th St. Plaza

Res. No.	Resource Name
O44	High School of Graphic Comm./Guttenberg Plygrnd.
O45	Worldwide Plaza
O46	945 Seventh Ave. Plaza
O47	1251 Ave. of the Americas Plaza
O48	1633 Broadway/Paramount Plaza
O50	W. 33rd-34th Streets
O51	W. 34th-35th Streets
O52	W. 35th-36th Streets
O53	W. 36th-37th Streets
O54	W. 37th-38th Streets
O55	W. 38th-39th Streets
O56	W. 41st-42nd Streets
O57	Hudson River
O58	Hudson River Park
O59	Convention Center Roof Park
O60	Multi-Use Facility Park
O61	Block 675 Park
O62	High Line

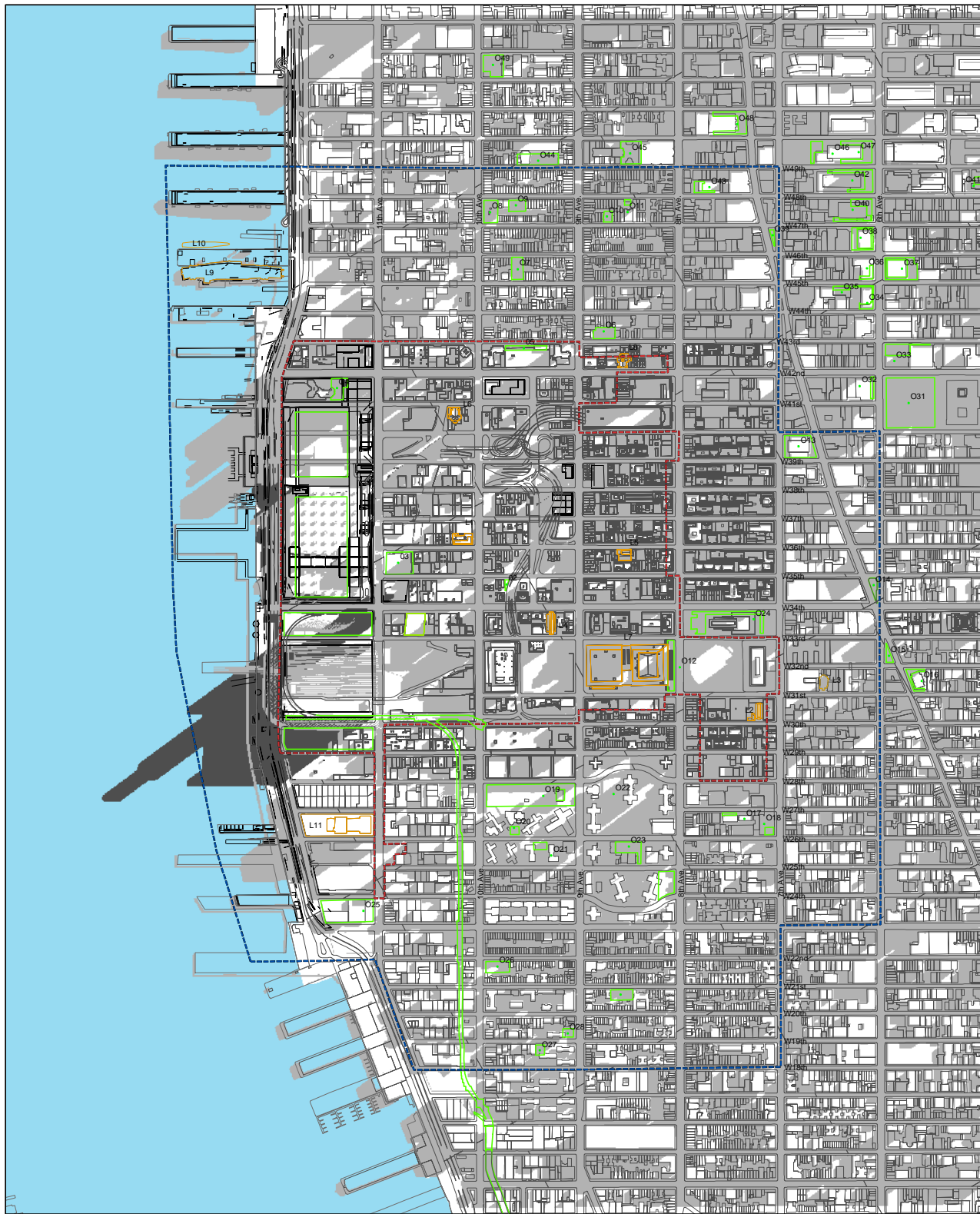
Historic Resources

Res. No.	Resource Name
L1	Hill Building
L2	St. John the Baptist Roman Catholic Church
L3	St. Francis Roman Catholic Church
L4	St. Michael's Catholic Church
L5	Christ Church Memorial
L6	St. Raphael's Roman Catholic Church
L7	The James A. Farley Building
L8	Holy Cross Roman Catholic Church
L9	USS Intrepid
L10	USS Edson
L11	Starrett-Lehigh

- Project Area
  - Primary Study Area
  - Open Space Resources
  - Historic Resources
  - Projected Sites
- Key for Shadows:
- Existing and No Build Conditions
  - Incremental shadow

March 21, 4:29PM  
**Shadow Analysis**  
**2010 - Build Conditions**





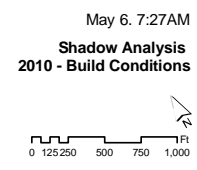
Res. No.	Resource Name
O1	2 Penn Plaza
O2	Bob's Park
O3	Javits Plaza
O4	640 W42nd St. Plaza
O5	Gregory J.M. Portley Plaza
O6	McCaffry Playground
O7	May Mathews Playground
O8	Heil's Kitchen Park
O9	Clinton Community Garden
O10	Ramon Aponte Park
O11	Marion S. Heishel Garden
O12	Post Office Stairs
O13	Golds Meir Square
O14	Herald Square
O15	Greely Square
O16	1250 Broadway Plaza
O17	230 W27th St. Park
O18	Fit Plaza

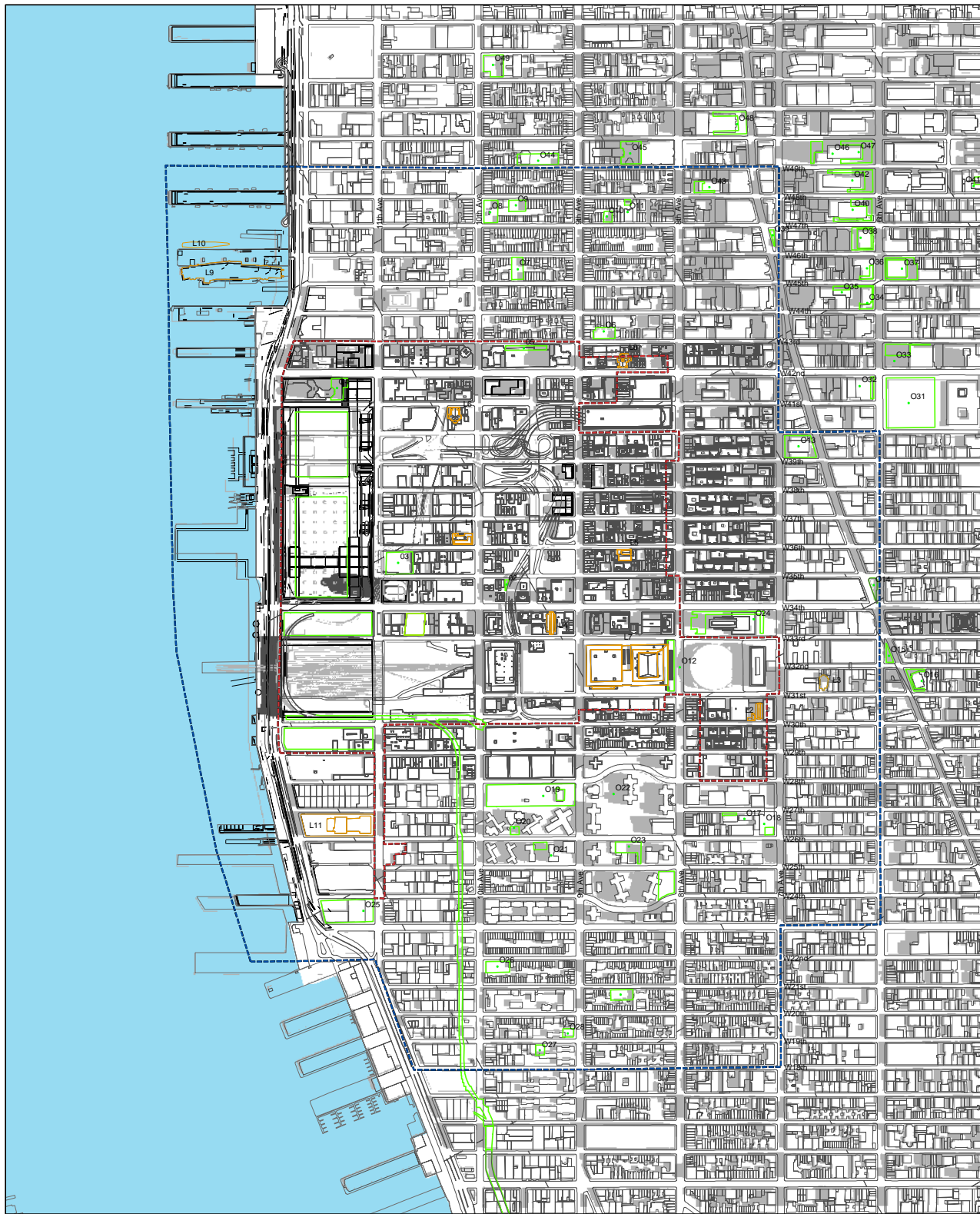
Res. No.	Resource Name
O19	Chelsea Park
O20	Elliot Houses Open Space
O21	Chelsea Houses Open Space
O22	Penn South Houses Open Space
O23	Penn Station South Houses Playground
O24	1 Penn Plaza
O25	Chelsea Waterside Park
O26	Clement Clarke Moore Park
O31	Bryant Park
O32	1095 5 Sixth Avenue Plaza
O33	Grace Plaza
O34	1155 Avenue of the Americas Plaza
O35	DeShaw & Co. Plaza
O36	1177 Avenue of the Americas Plaza
O37	1166 Ave. of the Americas Plaza
O38	1185 Ave. of the Americas-Westpoint Stevens Twr.
O39	Father Duffy Square
O43	235 W48th St. Plaza

Res. No.	Resource Name
O44	High School of Graphic Comm./Guttenberg Plygrnd.
O45	Worldwide Plaza
O46	945 Seventh Ave. Plaza
O47	1251 Ave. of the Americas Plaza
O48	1633 Broadway/Paramount Plaza
O50	W. 33rd-34th Streets
O51	W. 34th-35th Streets
O52	W. 35th-36th Streets
O53	W. 36th-37th Streets
O54	W. 37th-38th Streets
O55	W. 38th-39th Streets
O56	W. 41st-42nd Streets
O57	Hudson River
O58	Hudson River Park
O59	Convention Center Roof Park
O60	Multi-Use Facility Park
O61	Block 675 Park
O62	High Line

Res. No.	Resource Name
L1	Hill Building
L2	St. John the Baptist Roman Catholic Church
L3	St. Francis Roman Catholic Church
L4	St. Michael's Catholic Church
L5	Christ Church Memorial
L6	St. Raphael's Roman Catholic Church
L7	The James A. Farley Building
L8	Holy Cross Roman Catholic Church
L9	USS Intrepid
L10	USS Edson
L11	Starrett-Lehigh

- Project Area
  - Primary Study Area
  - Open Space Resources
  - Historic Resources
  - Projected Sites
- Key for Shadows:
- Existing and No Build Conditions
  - Incremental Shadow





**Open Space Resources**

Res. No.	Resource Name
O01	2 Penn Plaza
O02	Bob's Park
O03	Javits Plaza
O04	640 W42nd St. Plaza
O05	Gregory J.M. Portley Plaza
O06	McCaffry Playground
O07	May Mathews Playground
O08	Heil's Kitchen Park
O09	Clinton Community Garden
O10	Ramon Aponte Park
O11	Marion S. Heishel Garden
O12	Post Office Stairs
O13	Golds Meir Square
O14	Herald Square
O15	Greely Square
O16	1250 Broadway Plaza
O17	230 W27th St. Park
O18	Fit Plaza

Res. No.	Resource Name
O19	Chelsea Park
O20	Elliot Houses Open Space
O21	Chelsea Houses Open Space
O22	Penn South Houses Open Space
O23	Penn Station South Houses Playground
O24	1 Penn Plaza
O25	Chelsea Waterside Park
O26	Clement Clarke Moore Park
O27	Bryant Park
O28	1095 5th Avenue Plaza
O29	Grace Plaza
O30	1155 Avenue of the Americas Plaza
O31	DeShaw & Co. Plaza
O32	1177 Avenue of the Americas Plaza
O33	1166 Ave. of the Americas Plaza
O34	1185 Ave. of the Americas-Westpoint Stevens Twr.
O35	Father Duffy Square
O36	235 W48th St. Plaza

Res. No.	Resource Name
O44	High School of Graphic Comm./Guttenberg Plygrnd.
O45	Worldwide Plaza
O46	945 Seventh Ave. Plaza
O47	1251 Ave. of the Americas Plaza
O48	1633 Broadway/Paramount Plaza
O49	W. 33rd-34th Streets
O50	W. 34th-35th Streets
O51	W. 35th-36th Streets
O52	W. 36th-37th Streets
O53	W. 37th-38th Streets
O54	W. 38th-39th Streets
O55	W. 41st-42nd Streets
O56	Hudson River
O57	Hudson River Park
O58	Convention Center Roof Park
O59	Multi-Use Facility Park
O60	Block 675 Park
O61	High Line

**Historic Resources**

Res. No.	Resource Name
L1	Hill Building
L2	St. John the Baptist Roman Catholic Church
L3	St. Francis Roman Catholic Church
L4	St. Michael's Catholic Church
L5	Christ Church Memorial
L6	St. Raphael's Roman Catholic Church
L7	The James A. Farley Building
L8	Holy Cross Roman Catholic Church
L9	USS Intrepid
L10	USS Edson
L11	Starrett-Lehigh

  Project Area  
  Primary Study Area  
  Open Space Resources  
  Historic Resources  
  Projected Sites  
**Key for Shadows:**  
 Existing and No Build Conditions  
 Incremental Shadow


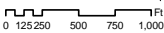
May 6, 11:00AM  
**Shadow Analysis**  
**2010 - Build Conditions**  
  


Figure 8-50