Project Scope

Plan Diagram
Scale: Graphic Scale

Project Urban Context

DDC / DOT / Parks
WXY/QRP/Oudolf/Tillet
1/06/2011

Reconstruction of Astor Place and Cooper Square

Union Square
Washington Square Park
Tomkins Square Park

1. Union Square
2. Washington Square Park
3. Tomkins Square Park

125'  500'

COMMUNITY BOARD 2  COMMUNITY BOARD 3
1. Astor Place Subway Island
2. The Alamo Island
3. Cooper Triangle

Project Scope

1/06/2011

Plan Diagram
Scale: Graphic Scale

DDC / DOT / Parks
WXY/QRP/Oudolf/Tillet

Existing Condition

Reconstruction of Astor Place and Cooper Square
Plaza Program Characteristics for Reconstruction

ASTOR PLACE SUBWAY PLAZA
Path through a grove of trees; seating along path. Subway entrance supported with meeting area and diverse seating options.

THE ALAMO PLAZA
Open plaza defined by perimeter trees; focus on Alamo sculpture. Opportunities for café seating and supportive of heavy pedestrian traffic.

COOPER TRIANGLE
Shady, enclosed park; increased pedestrian movement through and along enlarged park.

THE VILLAGE PLAZA
Sunny, open plaza with diverse seating options and tree planting; serving both students and local residents.

Plan Diagram
Scale: Graphic Scale

Reconstruction of Astor Place and Cooper Square

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Plaza Program Characteristics for Reconstruction
Bike Storage: Existing and Proposed

Proposed bike racks (113 new standard dot racks)

Plan Diagram
Scale: Graphic Scale

Bike Storage: Existing and Proposed

Reconstruction of Astor Place and Cooper Square
1/06/2011
Reconstruction of Astor Place and Cooper Square

Project Scope

- Existing Curbs
- New Tree
- Existing Tree
- Project Scope

Plan Diagram

Scale: Graphic Scale

DDC / DOT / Parks

WXY/QRP/Oudolf/Tillett

1/06/2011

Proposed Design

Astor Place
Subway Plaza

The Alamo Plaza

Cooper Triangle

The Village Plaza

64 new trees

113 new standard dot bike racks

6,620 SF of permeable paving

8,585 SF of swale planting for stormwater management

7,900 SF new additional planting
SITE-WIDE PLANTING AND WATER MANAGEMENT
Precedent Drainage for Plaza Trees

Deep swale with false catch basin at Autumn Ave, Brooklyn

Plaza swale at Seagirt Blvd, Beach 19th Street, Queens

Reconstruction of Astor Place and Cooper Square

Photograph

Scale: NTS

Precedent Drainage for Plaza Trees
Proposed Drainage for Street Trees

Key plan

E-W Detail Section

Scale: Graphic Scale

DDC / DOT / Parks
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1/06/2011

Reconstruction of Astor Place and Cooper Square
E-W Detail Section
Scale: Graphic Scale

Cooper Union Foundation Building

Sculpture for Living Building

Sidewalk
Infiltration Planter (Plantings Typ. throughout)

Cooper Square
Infiltration Planter (Plantings Typ. throughout)

Existing Sidewalk (19'-8'')
New Sidewalk (31'-6'')
Proposed Street Trees and Swale Planting

Photographs
Scale: N/A

1. Sweet Gum
2. Sawtooth Oak
3. Viburnum
4. Purple Willow
5. Siberian Iris
6. Orange Coneflower
7. Purple Moor Grass
8. Switch Grass

Reconstruction of Astor Place and Cooper Square
1/06/2011

DDC / DOT / Parks
WXY/QRPOudolf/Tillett

Proposed Street Trees and Swale Planting
1. Key plan
2. View south towards Astor Place subway
3. View south along 4th Avenue
4. View south along Lafayette
5. Subway waiting area looking west
6. View existing the subway (Uptown 6)

Reconstruction of Astor Place and Cooper Square

DDC / DOT / Parks

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1/06/2011

Photograph

Scale: N/A

Existing Views
Denotes tree in declining health

1 Birch trees at Subway Island to be transplanted, location TBD

Reconstruction of Astor Place and Cooper Square

1/06/2011

Plan Drawing
Scale: Graphic Scale

Existing Plan at Astor Place Subway Plaza
Project Scope

Existing Curbs

Project Scope

DDC / DOT / Parks

WXY/QR/Outolf/Tillett

Reconstruction of Astor Place and Cooper Square 1/06/2011

Plan Drawing

Scale: Graphic Scale

Proposed Design at Astor Place Subway Plaza

1 Honey Locust
2 Black Gum
3 Willow Oak

A Potential kiosk location
B Potential bike shelter location
C Bus layover areas
D Bike racks

LAFAYETTE STREET

KMart

E. 8TH STREET

Subway News Stand

Subway

Starbucks

Planned Office Building

DF
1. View of north corner
2. View north as exiting subway (Uptown 6 train at Astor Place)
3. View of plaza from west
View of Astor Place
Design Proposal

Reconstruction of Astor Place and Cooper Square
1/06/2011

DDC / DOT / Parks
WXY/QRP/Oudolf/Tillett

Rendering
Scale: N/A

View of Astor Place
Design Proposal
Proposed Plant Species at Astor Place Subway

1. Honey Locust
2. Black Gum
3. Willow Oak
4. Switch Grass
5. Dwarf Fothergilla
6. Fringe Cup
7. Sedge
8. Tufted Hair Grass
9. Sweet Fern
1 Subway Plaza Elevation looking North

2 Subway Plaza and Alamo Plaza Elevation looking West

DDC / DOT / Parks
Reconstruction of Astor Place and Cooper Square
1/06/2011

Section-Elevation
Scale: Graphic Scale
Sections through Plazas
Reconstruction of Astor Place and Cooper Square
1/06/2011

Section-Elevation
Scale: Graphic Scale
Subway Plaza Section through Seating – Looking North
THE ALAMO PLAZA
1. Key plan
2. View south from Astor Place subway
3. View south-east from K-mart
4. View south-west
5. View north-west
6. View west at Alamo sculpture

DDC / DOT / Parks
WXY/QRP/Oudolf/Tillett
1/06/2011

Reconstruction of Astor Place and Cooper Square

Photographs
Scale: N/A

Existing Views
Plan Drawing

Scale: Graphic Scale

Existing Plan at The Alamo Plaza

Roads

E. 8th Street

Astor Place

Walgreens

Starbucks

Subway

News Stand

Chase Bank/Sculpture for Living

DDC / DOT / Parks

Reconstruction of Astor Place and Cooper Square

1/06/2011

Plan Drawing

Scale: Graphic Scale
1. View from new office building
2. View south from Subway Plaza
3. View north from south-east corner of plaza, approaching from Cooper Union
4. View approaching from west along Astor Place

DDC / DOT / Parks
WXY/QRP/Oudolf/Tillett
1/06/2011

Reconstruction of Astor Place and Cooper Square
Renderings
Scale: N/A

Alamo Plaza Design:
Views from Subway Plaza
1. Black Gum
2. Snow Crocus
3. Common Snowdrop
4. Lamb's Ear
5. Silver Bell
6. Yellow Epimedium
7. Coral Bell
8. Hakone
9. Sedge
Reconstruction of Astor Place and Cooper Square

E-W Section-Elevation
Scale: Graphic Scale
Looking North

1/06/2011

DDC / DOT / Parks
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COOPER TRIANGLE
1. Key plan
2. View north in Cooper Triangle
3. Southern point of Cooper Triangle
4. View south towards Cooper Triangle entrance
5. View from new Cooper Union engineering building
6. View west from new location of Grace Church High School

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WXYZ/QRP/Oudolf/Tillet
Reconstruction of Astor Place and Cooper Square
1/06/2011
Photographs
Scale: N/A

Existing Conditions: Cooper Triangle
1. Sawtooth Oak
2. Sweet Gum
3. Pin oaks in park – existing

A. Bus layover area
B. Bike racks

Project Scope

Existing Curbs

Cooper Park

Grace Church High School

EAST 7TH STREET

Carl Fisher Building

Cooper Union Engineering Building

DDC / DOT / Parks
WXY/QRP/Oudolf/Tillett
Reconstruction of Astor Place and Cooper Square
1/06/2011

Plan Drawing
Scale: Graphic Scale

Proposed Design
1. Entry of Cooper Park, from Foundation Building

2. View of “Cooper Walk” looking north

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WXY/QRP/Oudolf/Tillett
Reconstruction of Astor Place and Cooper Square
1/06/2011

Renderings
Scale: N/A

Views of Proposed Design
DDC / DOT / Parks
WXY/QRP/Oudolf/Tillet
Reconstruction of Astor Place and Cooper Square
1/06/2011
Rendering
Scale: N/A
View of Proposed Design
Permeable paving:

*Stepstone* narrow modular pavers (inside Cooper Park)

1. **Anemone Japonica**
2. **Aster**
3. **Siberian Iris**
4. **Orange Coneflower**
5. **Sweet Coneflower**
6. **Golden Garlic**
7. **Woodland Phlox**
8. **Common Winterberry**
9. **Witch Hazel**
10. **Coral Bell** (different seasons)
11. **Periwinkle**

**Pin Oaks (existing)**

**Photographs**

Scale: N/A

**Proposed Planting Species in Cooper Park**

<table>
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</table>
1. Key plan
2. View north from west island
3. View north from south island
4. View of Grace Church High School
5. View south from Cooper Triangle
6. View south along Grace Church High School

Reconstruction of Astor Place and Cooper Square
Photographs
Scale: N/A

DDC / DOT / Parks
WXY/QRP/Oudolf/Tillett
1/06/2011

Existing Conditions – Southern Site
Plan Drawing

Scale: Graphic Scale

Existing Plan at future Village Plaza

Reconstruction of Astor Place and Cooper Square

1/06/2011

Denotes tree in declining health

DDC / DOT / Parks

WXY/QRP/Oudolf/Tillett

Cooper Square Hotel

Cooper Union Administrative Annex

Kaplan

NYU

EAST 6TH STREET
Proposed Design for Village Plaza

Plan Drawing
Scale: Graphic Scale

1. Black Gum
2. Willow Oak
3. Sawtooth Oak
4. Sweet Bay Magnolia

A. Bike racks

Project Scope
Existing Curbs

Reconstruction of Astor Place and Cooper Square
1/06/2011

DDC / DOT / Parks
WXYZ/QRPOudolf/Tillett

Proposed Design for Village Plaza
Existing condition

Proposed design

DDC / DOT / Parks
WXY/QRP/Oudolf/Tillett
Reconstruction of Astor Place and Cooper Square
1/06/2011

Renderings
Scale: N/A

View from Village Plaza towards Cooper Union
Existing condition

Proposed design

Reconstruction of Astor Place and Cooper Square
1/06/2011

View from Cooper Park to Village Plaza

Scale: N/A
View from Village Plaza looking North

Reconstruction of Astor Place and Cooper Square

Rendering

Scale: N/A

1/06/2011

DDC / DOT / Parks

WXY/QRP/Oudolf/Tillett
1. Black Gum
2. Willow Oak
3. Sawtooth Oak
4. Sweet Bay Magnolia (in planter)
5. Joe Pye Weed
6. Foamflower
7. Bergamot
8. Creeping Phlox
9. Woodland Phlox
10. Aster
11. Geranium (different colors)
12. Golden Garlic
13. Fountain Grass
14. Greater Wood Rush
Key plan

E-W Section - Elevation Scale: Graphic Scale

Village Plaza Elevation looking North

Reconstruction of Astor Place and Cooper Square

DDC / DOT / Parks
WXY/QRP/Oudolf/Tillett

1/06/2011

E-W Section-Elevation Scale: Graphic Scale
Village Plaza Elevation looking North
Infiltration Planter

Granite Seating Block

"Stepped Seating"

0'       2.5'      5'                10'

Reconstruction of Astor Place and Cooper Square

1/06/2011

E-W Section-Elevation Scale: Graphic Scale

Village Plaza Section through Seating – looking North
MATERIALS & FIXTURES
1. Cooper Square
   Bus lane – Typical concrete roadbed

2. Sidewalks
   Tinted concrete with exposed light colored aggregate

3. Perforated stainless steel plate - 50% open

4. Tinted concrete with exposed light colored aggregate (all sidewalks)

5. Textured granite (at subway plaza and village plaza)

6. Tinted concrete curb with steel facing

7. Granite curb

8. Eurocobble – used around all trees set in pavement

9. Split face granite seating blocks – used in Subway Plaza, Alamo Plaza, and Village Plaza
“Pinot bistro” table & “Ronde” armchair – mixed colors (at the Alamo Plaza only)

W x Y Zipper Bench
(site-wide except inside Cooper Park)

W x Y River Bench
(In Cooper Park only)

Dpr standard metal trash recepticle (site-wide)

Standard NYC Bike Rack (site-wide)

W x Y accessible drinking fountain - to be in black finish (at Subway Plaza and in Cooper Park – DF in plans)

DDC / DOT / Parks
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Reconstruction of Astor Place and Cooper Square

1/06/2011

Photographs
Scale: N/A

Furniture:
Seating and Fixtures
14" tall Davit Pole Stad Fixture
Energy efficient white lighting equivalent to 70W HPS (Used throughout)

14' tall Davit Pole Stad Fixture
Energy efficient white lighting equivalent to 70W HPS (Used in Village Plaza double-width pedestrian spaces)

12'6" B Pole 100W HPS (Used in Cooper Park only)

Flood Light, new prototype 35W MH (Used for lighting of Peter Cooper Statue)

30' tall Davit Pole 150W HPS Cobra Head (Used throughout)
Reconstruction of Astor Place and Cooper Square

1/06/2011

Plan Diagram

Scale: Graphic Scale

Proposed Design