

# Monumental Core Streetscape Design Guidelines: Draft Small-Scale Elements

Washington DC

**Information Presentation** 

National Capital Planning Commission

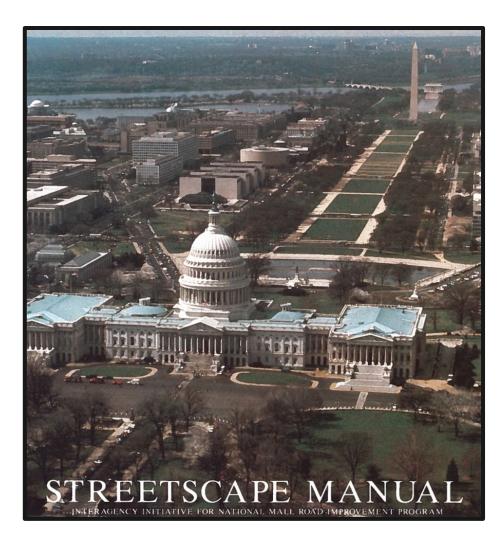
April 20, 2023 | File: 7886

### Overview

- I. Recap Monumental Core Streetscape Project
  - Purpose and Background
  - Urban Design Framework
- II. Status Update on Vertical and Surface Streetscape Elements
- III. Draft Small-Scale Elements Streetscape Design Guidelines
  - Furnishings
  - Civic Infrastructure
- **IV. Next Steps**

# Monumental Core Streetscape Project Recap: Purpose and Background

### Purpose of the 1992 Streetscape Manual



**Purpose:** To achieve a coordinated and consistent streetscape for roadways in the central area of the city in the vicinity of the National Mall.

# Manual Update



## Interagency Working Group Collaboration

#### **Interagency Working Group**

#### **Parties:**

#### **Endorsers:**

- Architect of the Capitol (AOC)
- District Department of Transportation (DDOT)
- Federal Highway Administration (FHWA)
- National Capital Planning Commission (NCPC)
- National Park Service (NPS)

- Commission of Fine Arts (CFA)
- District of Columbia Office of Planning (DCOP)
- General Services Administration (GSA)
- Kennedy Center
- National Gallery of Art (NGA)
- Smithsonian Institution (SI)

#### **Agency Subject Matter Experts**

- Arborists
- Architects
- Bicycle Specialists
- Environmental Engineers
- Historic Preservationists
- Landscape Architects
- Lighting Designers



### **Project Phases**

<u>Manual</u> প্র Guide Streetscape

 Urban Design Streetscape Framework & Lighting Policy
 CFA Information Presentation (2019)
 Streetscape

Design Guidelines

3. Construction Manual Update

4. MOU Update

# **Project Phases**

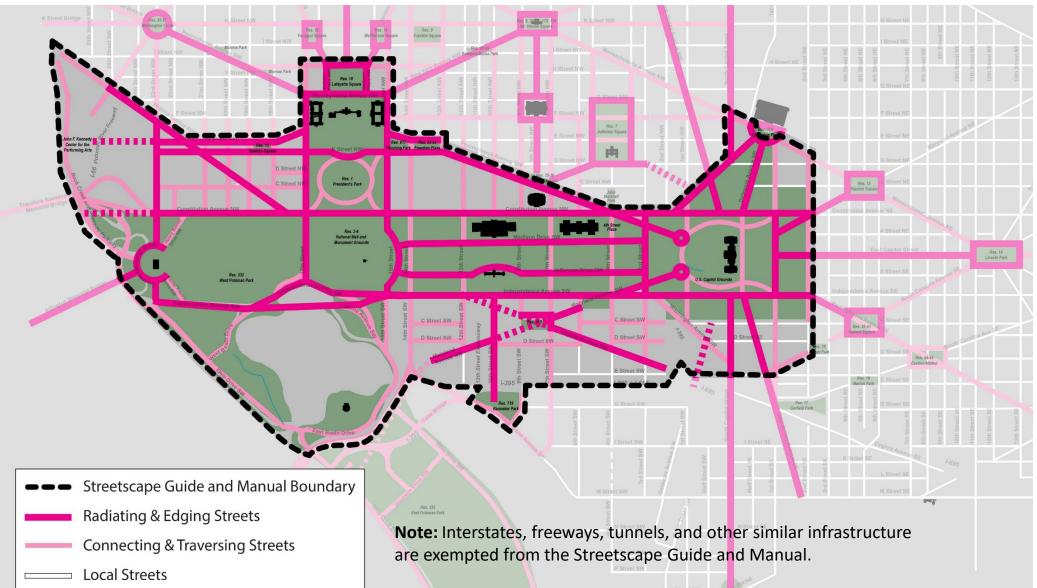
| k Manual      |  |  |   |
|---------------|--|--|---|
| Guide &       | 2. Streetscape<br>Design<br>Guidelines | <ul> <li>Vertical and Surface Elements</li> <li>CFA Information Presentation (2022)</li> <li>Public Comment Period (2022)</li> </ul> | <ul> <li>Small-Scale Elements</li> <li>CFA Information Presentation (Today)</li> <li>Public Comment Period (Spring 2023)</li> </ul> |
| Streetscape G |  |  |   |

# **Project Phases**

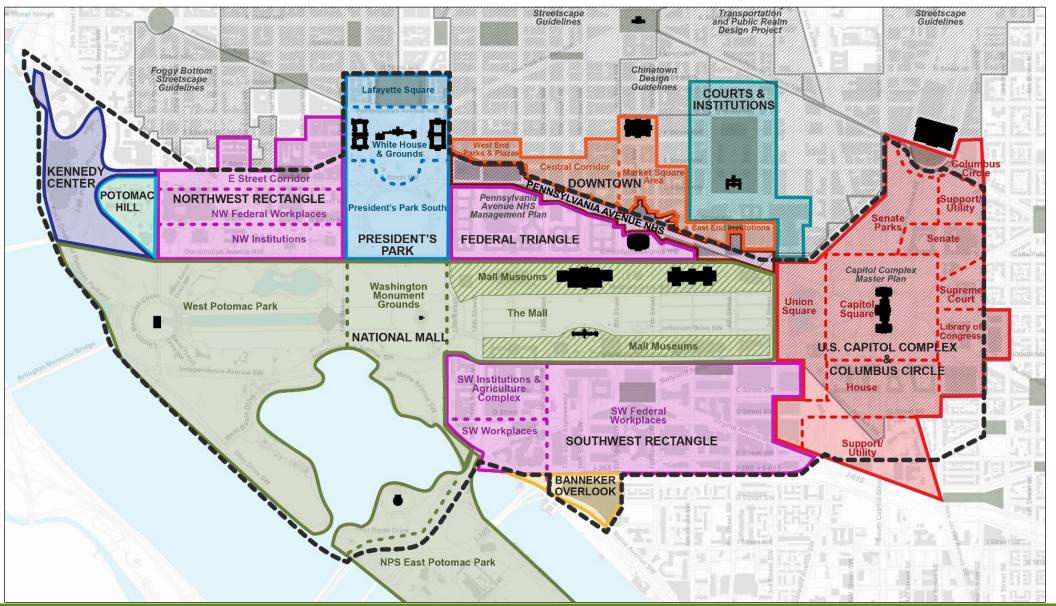
| Manual      | 1. Urban Design<br>Streetscape<br>Framework &<br>Lighting Policy |                   |
|-------------|--|-------------------|
| Guide &     | 2. Streetscape<br>Design<br>Guidelines                           |                   |
|             | 3. Construction<br>Manual Update                                 | Under Development |
| Streetscape | 4. MOU Update  | Future Work       |

# Monumental Core Streetscape Project Recap: Urban Design Framework

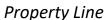
## Urban Design Streetscape Framework

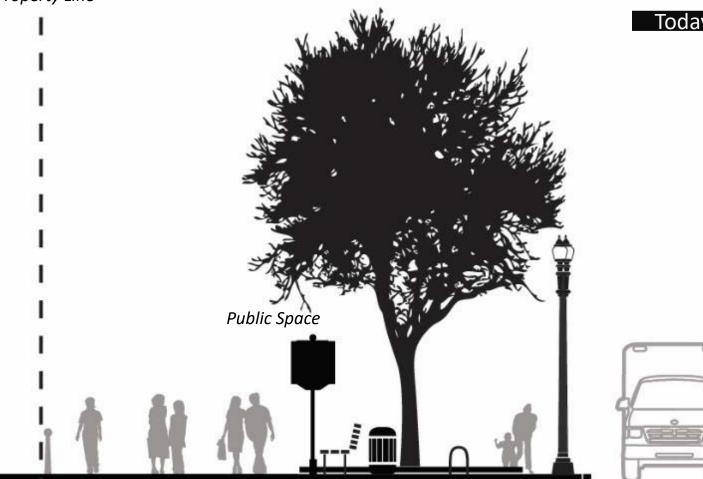


### **Character Areas**



### Streetscape Elements





Vertical Elements (i.e. Streetlights, Trees)

#### **Surface Elements** (e.g. Pavements, Tree Box)

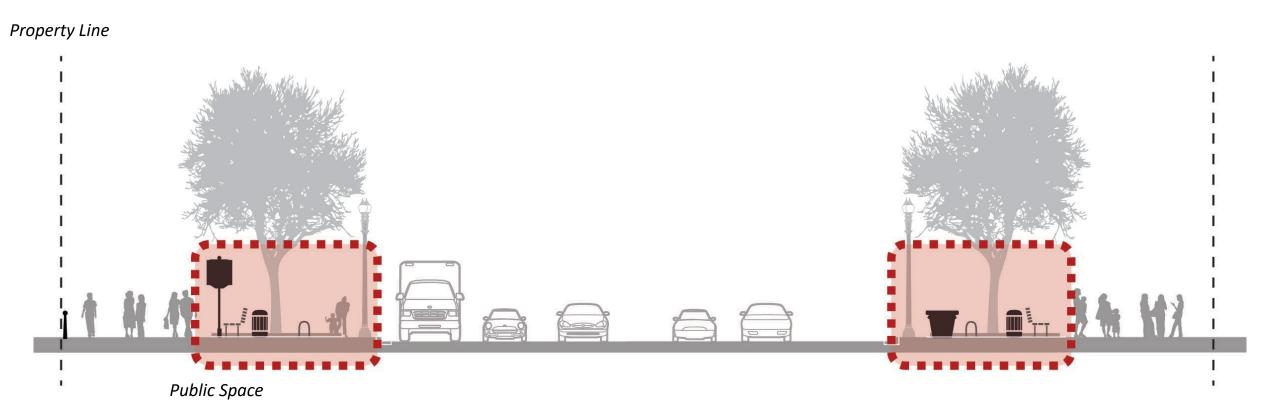


#### **Small-Scale Elements**

- Benches
- Trash Receptacles
- Bicycle Racks
- Post-and-Chain
- EV Charging Stations
- Parking Pay Stations
- Water Stations
- Fire Hydrants
- Utility Boxes
- Small-Cell Cross References

## Small-Scale Elements

- Furnishings
- Civic Infrastructure



# Status Update: Vertical and Surface Streetscape Elements

## Vertical and Surface Element Guidelines



### Monumental Core Streetscape Design Guidelines: Vertical and Surface Elements



| 1. | Preface                  | i  |
|----|--------------------------|----|
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| 3. | Introduction             | 2  |
| 4. | Vertical Elements:       |    |
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| 5. | Surface Elements:        |    |
|    | Landscapes and Plantings |    |
|    | Stormwater Management    |    |
|    | Pavements                |    |
|    | Pedestrian Circulation   |    |
| 6. | Endnotes                 |    |
| 7. | Appendices               | 45 |
|    |                          |    |

### **Content Layout**

Component

#### Surface Elements Stormwater Management Topics

| Introduction   | 24 |
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| Application of Stol nwater Mai agement<br>Best Management Nactices | 25 |
| Best Management Fractice   | 25 |
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Figure SM-1: Bioretention outside Herbert C. Hoover Building (U.S. Commerce Department) along 14th Street, NW.



#### Introduction

This guidance addresses stormwater management in the public rightof-way (ROW) within the capital city's downtown monumental core. Stormwater management should improve environmental and aesthetic quality, contribute to the consistency of the ROW and streetscape, and enhance the streetscape using the principles established in the Urban Design Streetscape Framework.

#### ortance and Background:

rmwater management contributes to the environmental quality of he streetscape. Best practices retain, detain, and convey stormwater to reduce ponding and flooding; help filter pollutants from stormwater; and take pressure off both Municipal Separate Storm Sewer System (MS4) and Combined Sewer Overflow (CSO)30 systems. Within the monumental core, both federal and local stormwater management requirements apply. Federal regulations require new development projects to capture and retain stormwater from a 1.7-inch rainfall event for a contributing drainage area per Section 438 of the Energy Independence and Security Act of 2007 (EISA). Local regulations require new development projects to capture and retain stormwater from a 1.2-inch to 1.7-inch rainfall event for a contributing drainage area per the District Department of Energy and Environment (DOEE) Stormwater Management Regulations and Stormwater Management Guidebook (SMG). More information regarding the District's floodplains, stormwater permits, and interagency management and maintenance agreements are included in Appendix A-SM-1, A-SM-2, and A-SM-3.

#### Topics Address by these Guidelines:

The Stormwater Management Guidelines are organized into the following topics:

- Stormwater Best Management Practices (BMPs): Identifies priority areas and best practices for stormwater management in the monumental core.
- Application of Stornwater BMPs: Applies stormwater BMPs considering street categories, vistas and viewsheds, circulation, cultural and historic resources, and aesthetics.
- Environmental Function and Design: Addresses the design of stormwater BMPs to maximize the function of green infrastructure<sup>18</sup>



#### Green Infristructure Maintenance: Guidelines hat focus on stormwater BMP upkeep include:

Stormwater Management Guidelines SM-37, SM-38, and SM-39 a dress maintenance of stormwater management BMPs.

Monumental Core Streetscape Guidelines: Storm Water Management

#### Stormwater Bes Principle Management Practices

Principle: Use Storp water Best Management Practices (BMPs) to maximize reacon, conveyance, and filtration of stormwater within monumental core area ROWs to address the most significant flooding or water quality issues considering the natural and man-made conditions within a given watershed.

SM-1. Prioritize stormwater BMPs that work with existing topography and integrate with existing stormwater management elements to establish a more efficient stormwater system.

SM-2. Maximize use of retention, conveyance, and detention (prioritizing retention an practices to capture sto 100-year floodplain, 500-year floodplain, and Anacostia Waterfront Development Zone (AWDZ). See Appendix A-SM-1: 100-Year and 500-Year, Floodplains, and Anacostia Waterfront Development Zone.

SM-3. M primize use of retention and filtration stormwater practices to capture, slow, and clean stormwater within MS4 and to capture and slow stormwater within CS0 areas outside the 100-year and 500-year floodplains, and to reduce pressure on infrastructure within the AWDZ.

SM-4. Use streetscape bioretention, vegetated filtration strips, and permeable pavers<sup>30</sup> with subsurface retention as the BMPs to retain stormwater and slow the rate at which stormwater enters the storm sewer system.

SM-5. Use bioswales and dry swales as the best practices to capture and convey stormwater to the storm sewer system.

SM-6. Use sand filter systems and permeable surface materials as the best practices to filter pollutants from stormwater and to capture stormwater, slowing the pace at which it enters the sewer system.

# CFA Comment Letter (February 2022)

#### U.S. COMMISSION OF FINE ARTS

ESTABLISHED BY CONGRESS 17 MAY 1910 401 F STREET NW SUITE 312 WASHINGTON DC 20001-2728 202-504-200 FAX 202-504-2146 WWW.CFA.GOV

24 February 2022

#### Dear Mr. Acosta:

In its public meeting of 17 February conducted by videoconference, the Commission of Fine Arts was pleased to hear an information presentation by the National Capital Planning Commission staff on the comprehensive update of the Streetscape Manual for the National Mall and its proposed streetscape design guidelines for vertical and surface elements. The Commission expressed appreciation for the effort to coordinate projects within the Mall and its vicinity, providing the following comments for the development of this and forthcoming planning documents.

Acknowledging the importance of setting consistent standards for the design of this highly symbolic public space, the Commission members advised that at the broadest level, the guidelines should be informed by a forward-thinking and socially oriented approach, moving beyond simply an image of design to include planning for the public's real-world experience of this heavily used civic landscape. They suggested that guidelines should be proactive rather than reactive, commenting that current practices may be insufficient for the long-term protection of the public realm.

The Commission members suggested devising methods for managing public space in anticipation of contemporary and emerging infrastructure typologies that will affect physical design. Examples include planning for resilience and disaster response in an era of climate change and extreme weather, as well as for new communication systems that require placing equipment near areas of high pedestrian activity. While accepting that perimeter security is more extensively addressed in other documents, they emphasized that the guidelines should articulate highest-level urban design priorities for perimeter security, commenting that an uncoordinated, case-by-case approach may compromise this initiative's broader vision for the public realm.

Understanding the differences between day-to-day management concerns and physical maintenance projects, the Commission members advised that the guidelines address accessibility, visitor comfort, vending, and the control of vehicles in this public landscape. They recognized the impacts of event programming and vehicular parking on the streets and sidewalks that border and cross the Mall, particularly during peak tourism seasons; they noted that a high priority should be placed on preserving the central open vista between the Washington Monument and the Capitol. They also observed that congregating street vendors are an inevitable presence in this area, and this temporary use should be considered when developing planning guidance. Finally, they recommended specifying vase-shaped trees to line streets, rather than trees with round canopies, whose shapes are eventually altered by heavy pruning to accommodate the passage of trucks and buses.

In conclusion, the Commission members expressed support for the new agreement with the District of Columbia Government to study the precincts adjacent to the Monumental Core, which would help to connect the planning area within the larger urban context. The Commission looks forward to continued review of revisions to the *Streetscape Manual* and related documents as products of the planning effort for the stewardship of this nationally significant urban landscape. For the development of the next submission, please consult with the Commission staff which, as always, is available to assist you.

Sincerely,

Phu

Thomas E. Luebke, FAIA Secretary

Marcel Acosta, Executive Director National Capital Planning Commission 401 9th Street, NW, Suite 500-N Washington, DC 20004

cc: Laurin Lineman, Federal Highway Administration Everett Lott, D.C. Department of Transportation Peter May, National Park Service

#### **Comment Topics**

- 1. Socially-Oriented Approach
- 2. Resilience and Disaster Response
- 3. Perimeter Security
- 4. Vending
- 5. Vase-Shaped Trees

## Summary of Staff Response to CFA Comments

#### **1. Socially-Oriented Approach**

- Streetlight guidelines 1, 4
- Tree guidelines 38, 39, 40, 43, 45
- Pedestrian Circulation guidelines 5, 8, 9, 11, 13, 31

#### 2. Resilience and Disaster Response

- Streetlight guideline 4
- Tree guidelines 1, 6, 13, 14, 21, 22, 27, 28, 41-44
- Landscapes and Plantings guidelines 1, 19, 20-23
- Stormwater Management guidelines 1-6, 25, 32
- Pavement guidelines 25, 41-44

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Monumental Core Streetscape Guidelines: Trees
T-39. Enhance pedestrian comfort by planting trees near benches
                                                                           d Pruning and maintenance needed to ensure street trees do not block

    Provide safe pedestrian conditions

                                                                             downward light emitted from streetlights.
or placing benches near trees, to provide shaded seating and

    Protect tree root zones from pedestrian compaction.

                                                                                                                                                     · Protect tree boxes from negative aesthetic impacts of pedestrian use
resting areas
                                                                          e. Coordination between agencies responsible for streetlights and
                                                                                                                                                        such as eroded planting beds.
                                                                             street trees.

    Minimize sidewalk damage from tree roots.

T-40. Enhance pedestrian comfort by planting trees nearby bus stops
                                                                                                                                                     T-50. Maintain landscape consistency along streetscape corridors by
                                                                          T-45. Plant trees in areas with high levels of particulate matter to
to provide shade for pedestrians while not visually obscuring the bus
                                                                                                                                                     using consistent tree box materials and designs, and consistent planting
                                                                          improve air quality and community health
stop sign and/or shelter.
                                                                                                                                                     height density and character
T-41. Plant trees that will significantly contribute to stornwater best
                                                                         T-46. Promote tree canopy expansion and healthy tree growth b
                                                                                                                                                     T-51. To ensure visual consistency within the National Mall and
management practices. See Stormwater Management Guidelines for
                                                                          minimizing conflicts with tree roots and utilities.
                                                                                                                                                     downtown monumental core (Streetscape Manual Boundary),
more information
                                                                                                                                                     bioretention and non-bioretention tree boxes should share a
                                                                                                                                                     complementary design and material palette.
                                                                          T-47. Reduce conflicts with tree planting and sidewalks, underground
T-42. Plant inundation-tolerant tree species within the 100- and
                                                                          utilities, below grade buildings, and other infrastructure elements
                                                                                                                                                     T-52. A single tree fence should be designed for bioretention and non-
500-year floodplains and the Anacostia Waterfront Development
                                                                          Note: Existing overhead wires are not a common condition on
                                                                                                                                                     bioretention tree boxes to visually unify streetscapes in the downtown
Zone (AWDZ), which encompasses an area in the southeastern portion
                                                                          monumental core streets.
                                                                                                                                                     monumental core and distinguish them from elsewhere in the District.
of the monumental core, to improve urban tree canopy resilience to
                                                                                                                                                     The tree fence design should:
flood and storm events and improve stormwater retention.
                                                                          T-48. Consider projected tree root growth to avoid roots lifting
                                                                                                                                                     a Be visually cohesive and harmonious along streetscape corridors
                                                                          sidewalks or multi-use trails, which create a hazard to pedestrians
                                                                                                                                                     b. Be appropriate to the monumental core character and setting
T-43. Plant large shade trees in areas with higher daytime
                                                                                                                                                     c. Complement the multiple architectural styles of the National Mal
temperatures, dark impervious surfaces (e.g. surface parking lots)
                                                                                                                                                        and monumental core such as Victorian. Neoclassical,
and/or other sites with high heat exposure to improve quality-of-life and
                                                                         Tree Box Treatments
reduce the urban heat island effect.
                                                                                                                                                     d. Complement historic and existing National Mall furni
                                                                                                                                                        streetlights, benches, and waste/recycling receiption
                                                                             Principle
                                                                                                                                                     e. Have appropriate height that is clearly visible
                                                                             Tree box treatments should protect and define the tree box zone.
T-44. Where possible, mitigate both urban heat island effect and
                                                                                                                                                        The District and other municipalities use
                                                                             promote tree health, augment stormwater management, enhance
urban sky glow by planting street trees that both shade roadways from
                                                                                                                                                     f. Be distinct from DDOT's ornamental
                                                                             the streetscape provide for safe pedestrian movement, and achieve
sunlight exposure and shield upward light trespassing from streetlights
                                                                             visually cohesive streetscapes
into the night sky. Consider the following:
a. Heights and spacing of both streetlights and street trees, including:
                                                                                                                                                       Socially-Oriented Design:
                                                                          Tree Box Treatments address the following elements:
  i. Where possible, select large and/or medium canopy trees that can
                                                                          · Tree Box Design: Urban design, configuration and location, function
                                                                                                                                                       Guidelines that focus on the public's comfort, safety, and experience
       be trained to grow over shorter streetlights (less than 20 feet tall).
                                                                             and performance, materials, and maintenance
       See Appendix A-T-1: Tree List for recommended tree species.

    Tree Box Sub-Base: Recommended practices

                                                                                                                                                       Streetlight guidelines S-1 and S-4 support safety and human
   ii. Provide at least 15 to 20 feet between streetlights and street
                                                                          · Tree Box Plantings: Planting configurations and materials
      trees, depending on the tree species.
b. When planting street trees 15 to 18 feet from streetlights, select
                                                                                                                                                       Trees guidelines T-38, T-39, T-40, T-43, and T-45 support trees
   trees with mature heights twice the height of streetlights. For
                                                                                                                                                       contributing to quality-of-life, emotional and community health, and
                                                                         Tree Box Design
   additional spacing guidance, see the University of Florida's Guidance
                                                                                                                                                       enhance pedestrian comfort
   for Planting Trees within 40 feet of wires or street lights.
                                                                          URBAN DESIGN
                                                                                                                                                       Pedestrian Circulation guidelines PC-5, PC-8, PC-9, PC-11,
c. Roadway and sidewalk lighting levels required for vehicular and
   nedestrian safety
                                                                                                                                                       PC.13. and PC.31 support pedestrian circulation for both everyday
                                                                          T-49. The goals for the tree box design guidelines are to
                                                                                                                                                       and event-based use, universal accessibility, and pedestrian level of

    Achieve compatibility with the quality and character of the National
```

Mall and monumental core

#### Socially-Oriented Design Call-Out Box

comfort including low-stress circulation routes.

# Summary of Staff Response to CFA Comments

#### **3. Perimeter Security**

• Small-Scale Element guidelines address perimeter security topic

#### 4. Viewsheds and Vending

• Call-out box highlighting NPS regulations on street vending

#### 5. Vase-Shaped Trees

- The Interagency Working Group discussed CFA's recommendation and found that:
  - It would hamper biodiversity goals
  - Tree and vehicle conflicts are primarily due to low tree heights

#### Viewsheds and Vending:

Vending is not permitted on sidewalks and roadways within the National Mall without a NPS permit per:

- Title 36 CFR 50.24 requires NPS permit for vending on NPS lands
- Title 8 DC Code 144 states NPS controls sidewalks and some roadways within the National Mall
  Additionally, parking is not permitted on streets crossing the Mall.



Note: Current conditions, as shown above, are not authorized.

#### Viewsheds and Vending Call-Out Box

# Small-Scale Element Guidelines: Furnishings

Benches

Waste Receptacles

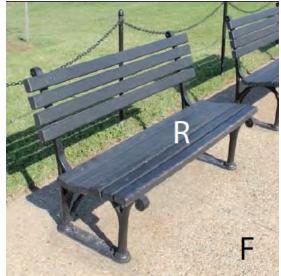
# **Benches Guidelines**

- Placement
- Appearance
- Function

## **Existing Conditions: Bench Styles**



#### NPS Armless Bench



Paley





Victorian



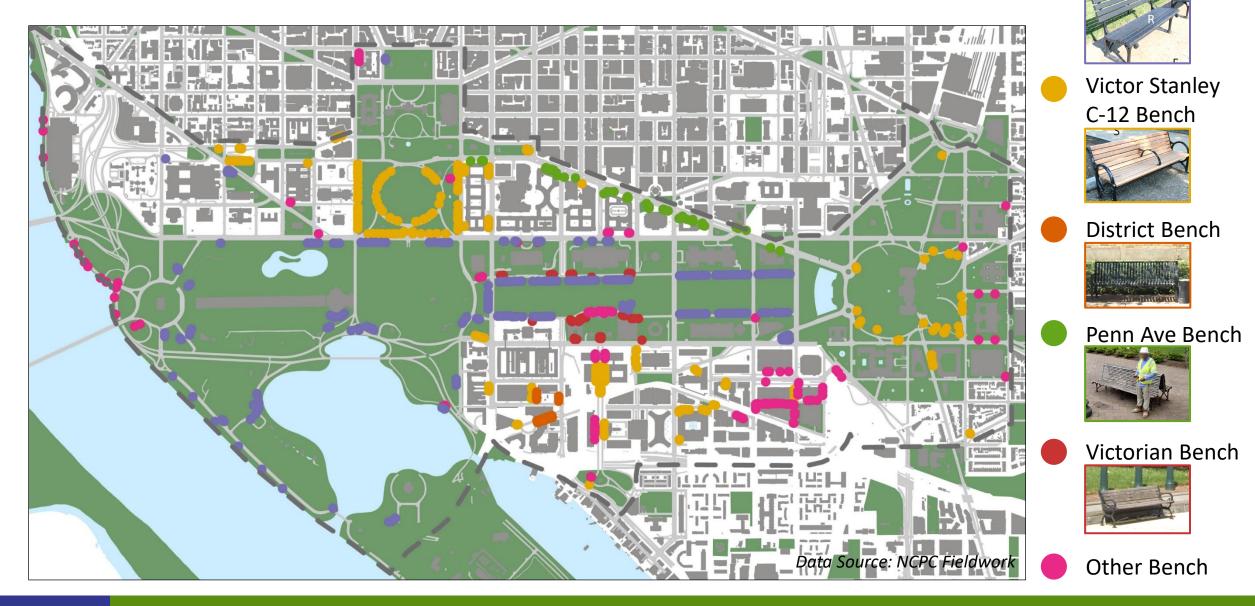






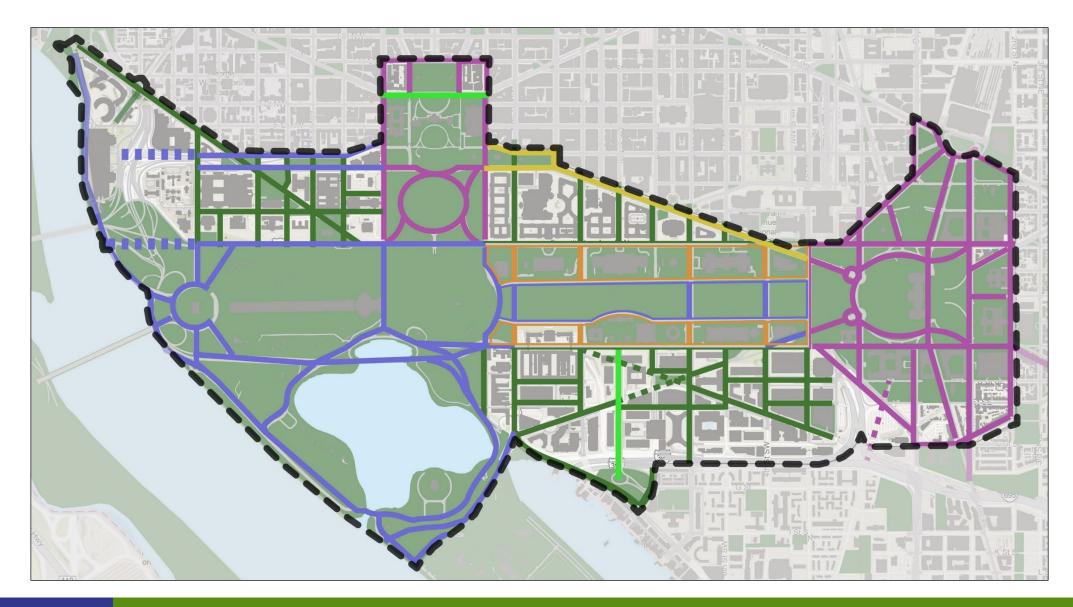


### Existing Conditions Map: Bench Style



**NPS Bench** 

### Proposed Guidance: Bench Styles





#### District Bench



#### Penn Ave Bench



#### Victorian Bench



#### Victor Stanley Bench



#### Special Bench

# Draft Guidelines Summary: Benches

#### Placement

• Provide benches to improve pedestrian comfort and experience

#### Appearance

 Benches should be compatible and complementary with other streetscape elements and may reflect the qualities of the character area provided they are cohesive across character areas

#### Function

• Provide durable, convenient, and serviceable seating for people of all ages and abilities



*Jefferson Drive, SW at Arts and Industries Building* 



Madison Drive, NW at National Museum of Natural History

# **Waste Receptacles Guidelines**

- Placement
- Appearance
- Function

# **Existing Conditions: Receptacle Styles**



NPS trash and recycling receptacles



12 Street, SW at Whitten Building



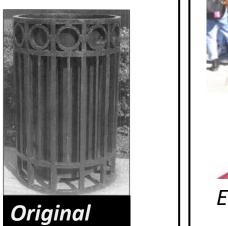
12<sup>th</sup> Street, SW



Virginia Ave, NW



PADC receptacles





E Street, NW

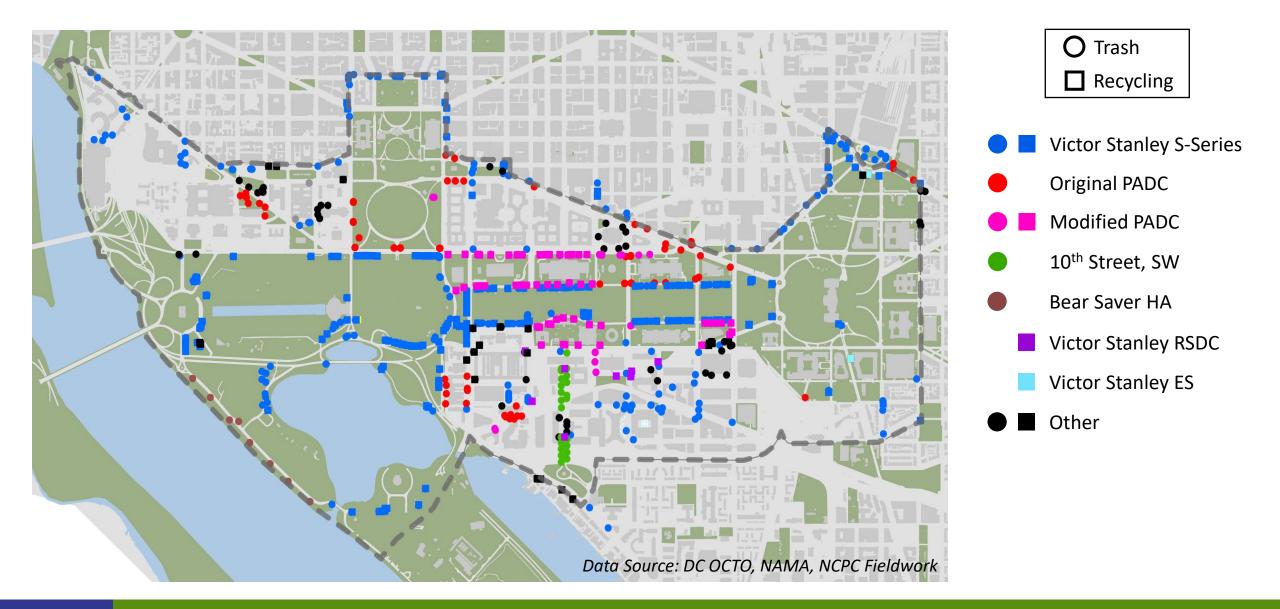


Hains Point

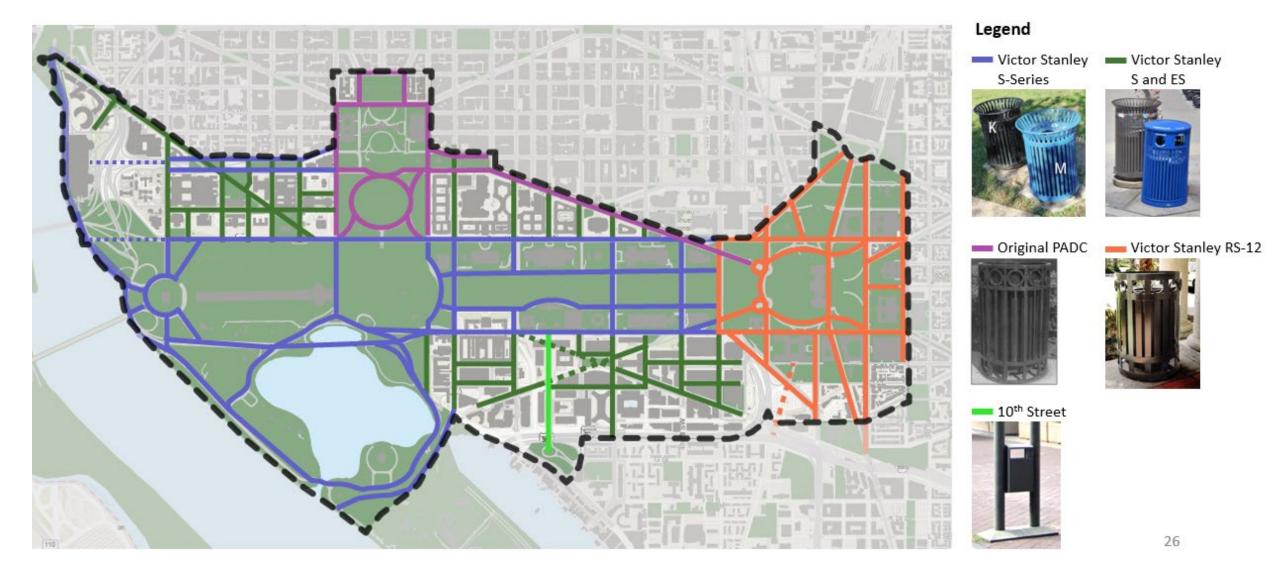


10<sup>th</sup> Street, SW

## Existing Conditions Map: Receptacle Styles



### Proposed Guidance: Receptacle Styles



# Draft Guidelines Summary: Receptacles

#### Placement

• Locate trash and recycling receptacles to create a welcoming streetscape that minimizes pedestrian conflicts and clutter

#### Appearance

• Compatible and complementary with other streetscape elements and cohesive across character areas

#### Function

• Improve the pedestrian experience and promote recycling, pest mitigation, and efficient waste removal operations

### Proposed Guidance: New Receptacle Design Considerations

- Diverse waste types, including recycling, trash, compost, and pet waste
- Promote recycling, pest mitigation, and efficient waste removal operations
- Surrounding architectural styles and other streetscape elements
- Unify and distinguish the monumental core character and setting



Small-Scale Element Guidelines: Civic Infrastructure

Bicycle Racks

- Post-and-Chain
- EV Charging Stations
- Parking Pay Stations

Water Stations
Fire Hydrants
Utility Boxes
Small-Cell Reference

anner and a second statement

# **Bicycle Rack Guidelines**

A TANK AND PART OF A

Placement
Appearance
Function

## Existing Conditions Map: Bicycle Racks





### Proposed Guidance: Bicycle Racks



## Bicycle Racks: Draft Guidelines Summary

#### Placement

 Provide bicycle racks to support multi-modal transportation options and provide civic infrastructure to secure bicycles and other micromobility vehicles in appropriate locations

#### Appearance

• Bicycle rack design should be simple, user-friendly, and compatible and complementary with other streetscape elements

#### Function

Provide durable and serviceable bicycle racks



### **Post-and-Chain Guidelines**

- Placement
- Appearance

### **Existing Conditions: Post-and-Chain**



Arts and Industries Building



Whitten Building

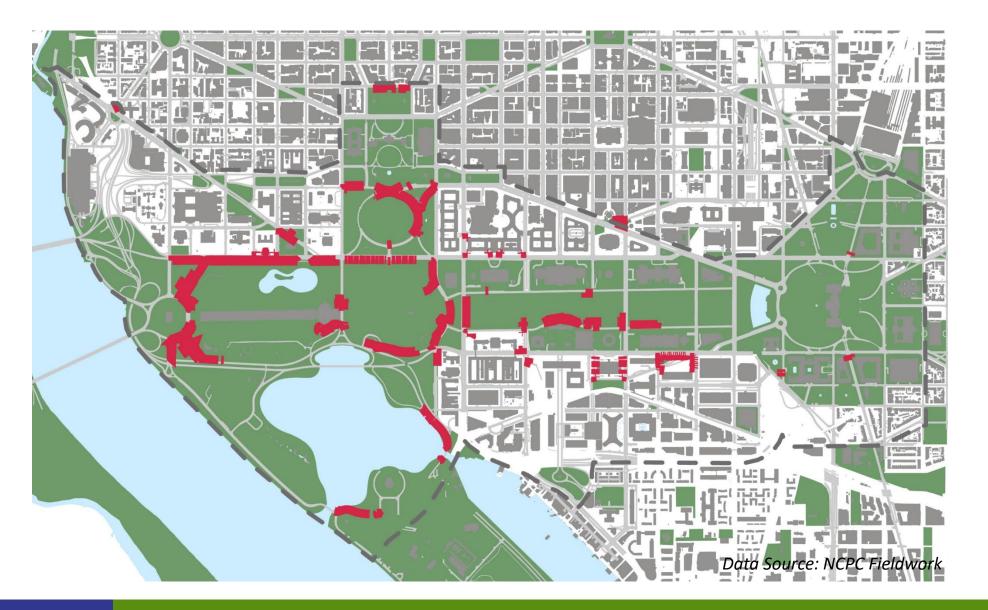


National Museum of American History



US Capitol Grounds

### Existing Conditions Map: Post-and-Chain



Post-and-Chain



## Draft Guidelines Summary: Post-and-Chain

#### Placement

• Use post-and-chain to guide pedestrian movement and to protect sensitive environments where appropriate

#### Appearance

• Design post-and-chain barriers to be compatible and complementary with other streetscape elements



## **Electric Vehicle Charging Station Guidelines**

- Placement
- Appearance
- Function

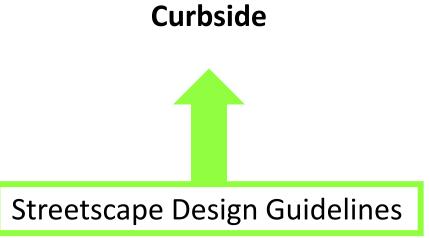
## **Overview:** Types of EV Charging Stations

Level 1

Level 2



Private Residence (e.g. Single Family Homes)

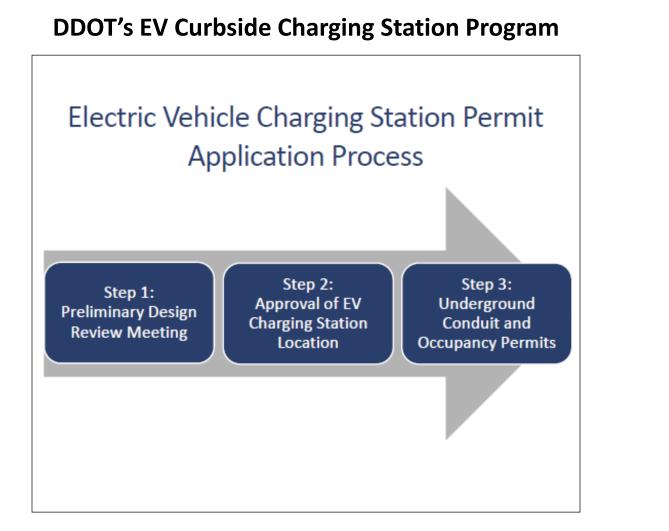


Level 3



Parking Garages at Grocery Stores and Office Buildings

### **Overview: Emerging Technology**



### NYC DOT's EV Handbook

### Curb Enthusiasm

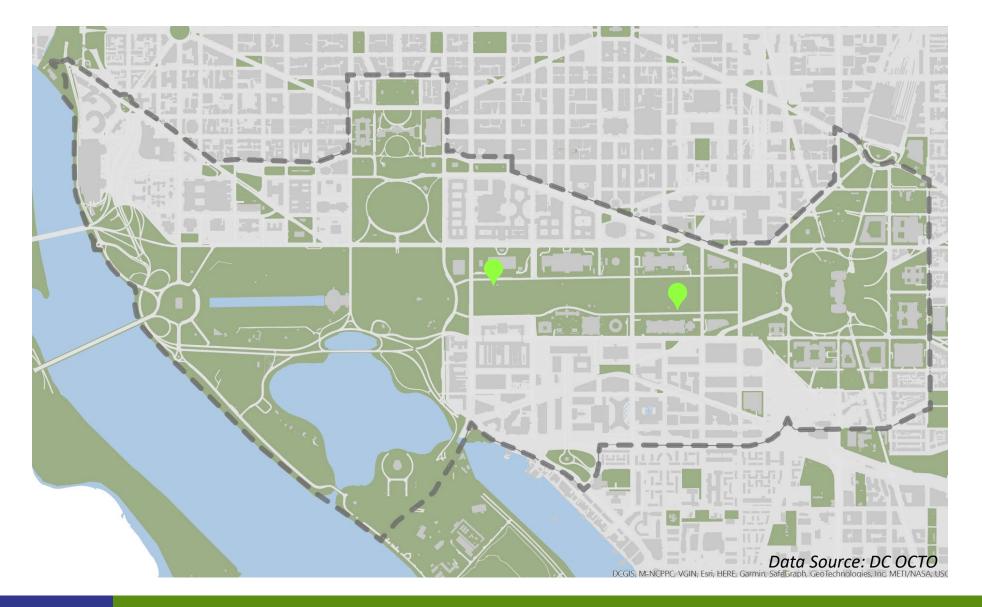
Deployment Guide for On-Street Electric Vehicle Charging

> WXY Barretto Bay STRATEGIES



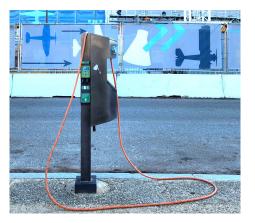
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## Existing Conditions Map: EV Charging Stations









## Draft Guidelines Summary: EV Charging Stations

#### Placement

 Promote a network of EV charging infrastructure to encourage the use of EV in a manner that is well coordinated with curbside uses and streetscape elements

#### Appearance

• EV chargers should be compatible and complementary with other streetscape elements

#### Function

• EV chargers should be designed and located to be convenient to drivers and minimize potential disruptions in public space

#### Cordless NPS Charger



#### DDOT Charger with Cable



# Parking Pay Station Guidelines

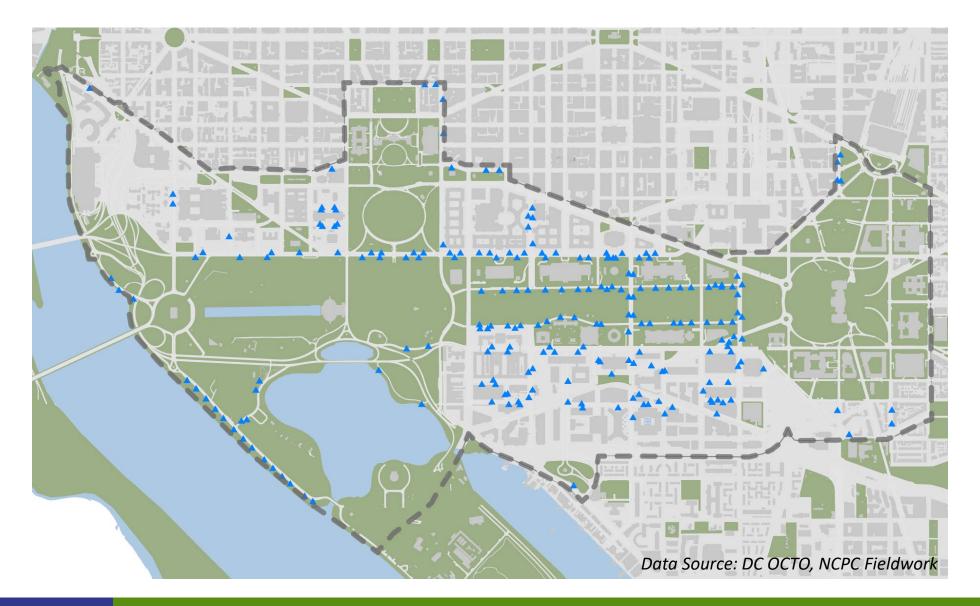
- Placement
- Appearance
- Function

47 National Capital Planning Commission

1

-4555558.

### **Existing Conditions Map: Parking Pay Stations**



## Draft Guidelines Summary: Parking Pay Stations

#### Placement

• Provide parking pay stations to reduce streetscape clutter, provide convenience for drivers, and improve the pedestrian experience

#### Appearance

• Parking pay stations should be compatible and complementary with other streetscape elements

#### Function

 Provide convenient and serviceable parking pay stations for people of all abilities



### **Water Station Guidelines**

- Placement
- Appearance
- Function

### **Existing Conditions: Water Station Styles**



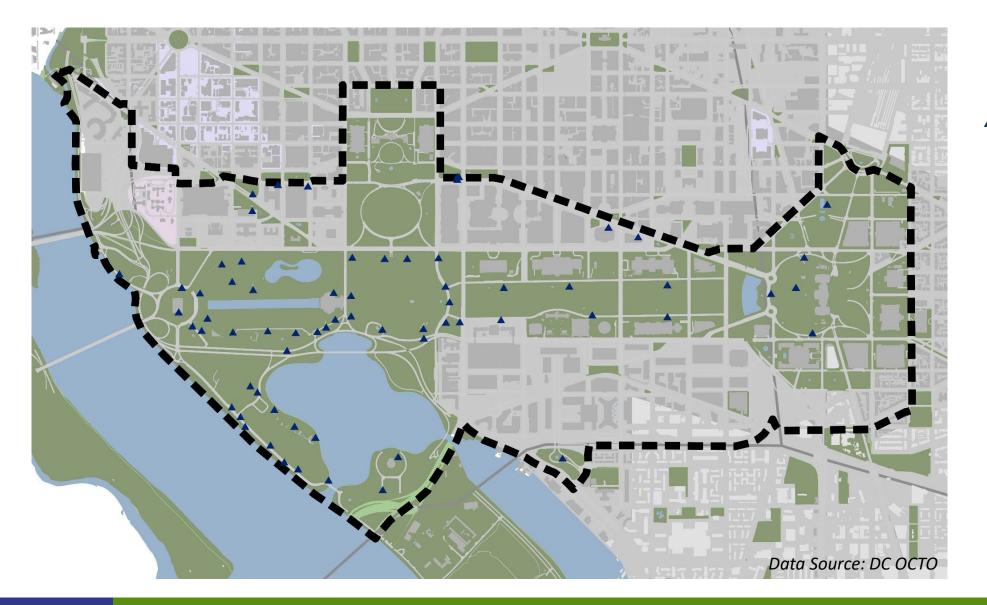
NPS Water Station - Old





Grotto at Summerhouse (U.S. Capitol Grounds) First Street, NW

### Existing Conditions Map: Water Stations





## Draft Guidelines Summary: Water Stations

#### Placement

 Increase availability of water stations to enhance pedestrian comfort throughout the downtown monumental core, particularly in areas with large pedestrian volumes

#### Appearance

• Water stations should be compatible and complementary with other streetscape elements and consistent across character areas

### Function

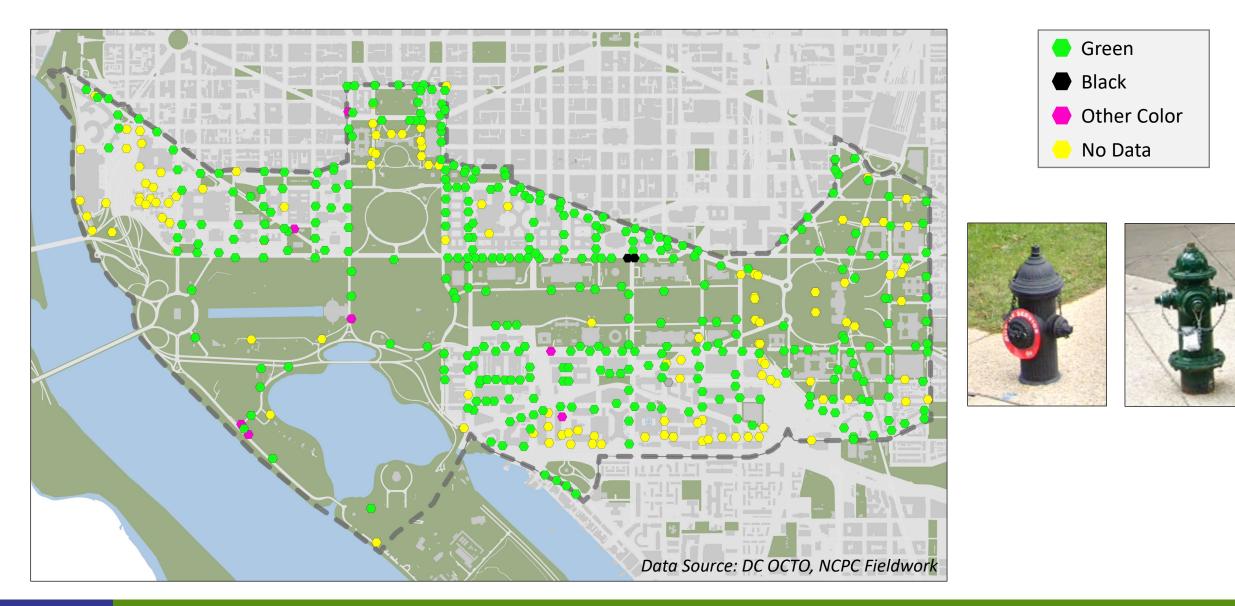
• Provide universally accessible and serviceable water stations



## **Fire Hydrant Guidelines**

- Placement
- Appearance
- Function

## Existing Conditions Map: Fire Hydrants



## Draft Guidelines Summary: Fire Hydrants

### Placement

• Provide fire hydrants for access to water supply for public safety

### Appearance

• Fire hydrant designs should be compatible with other streetscape elements and meet color safety codes

### Function

• Fire hydrants should maintain safe and efficient operations and maintenance



*Reflective color bands indicate water pressures* 

## **Utility Box Guidelines**

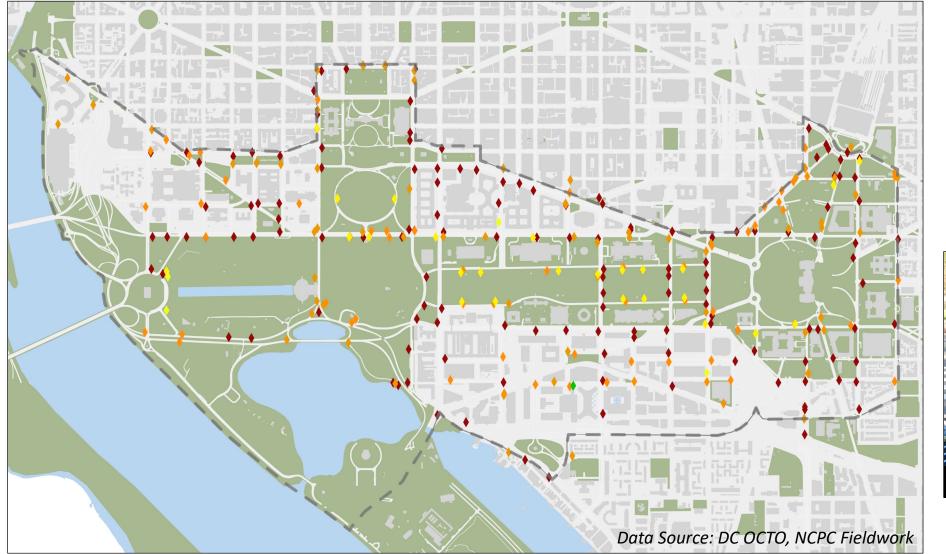
- Placement
- Appearance
- Function

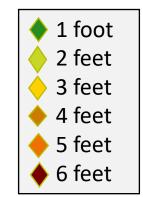
### **Overview: Utility Boxes**

| Type of Utility                 | Examples                           |  |  |  |
|---------------------------------|------------------------------------|--|--|--|
| <b>Traffic</b><br>(DDOT)        | Traffic Control                    |  |  |  |
| <b>Communications</b><br>(DDOT) | Telecom                            |  |  |  |
| <b>Electric</b><br>(Pepco)      | Transformer Cover                  |  |  |  |
| <b>Water</b><br>(DC Water)      | Auto Flusher Preventer Instruments |  |  |  |

<u>Note</u>: The guidelines do not address security communication systems. 5G small cell is addressed under Small Cell Cross References.

## Existing Conditions Map: Utility Boxes







**Battery Pack Attachment** 

### Proposed Guidance: Utility Box Colors

| Utility Box Type | Sun-Exposed<br>Paved Areas | Sun-Exposed<br>Landscaped Areas | Shaded<br>Landscaped Areas |
|------------------|----------------------------|---------------------------------|----------------------------|
| Traffic          |                            |                                 |                            |
| Communications   |                            |                                 |                            |
| Electric         |                            |                                 |                            |
| Water            |                            |                                 |                            |





## Draft Guidelines Summary: Utility Boxes

#### Placement

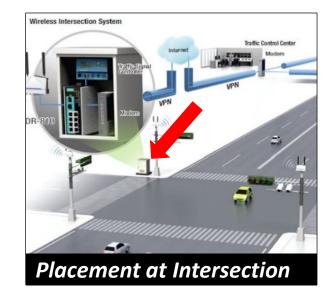
• Minimize impacts to pedestrian circulation and public space

#### Appearance

• Blend in with surroundings and not detract from viewsheds and vistas or other streetscape elements

#### Function

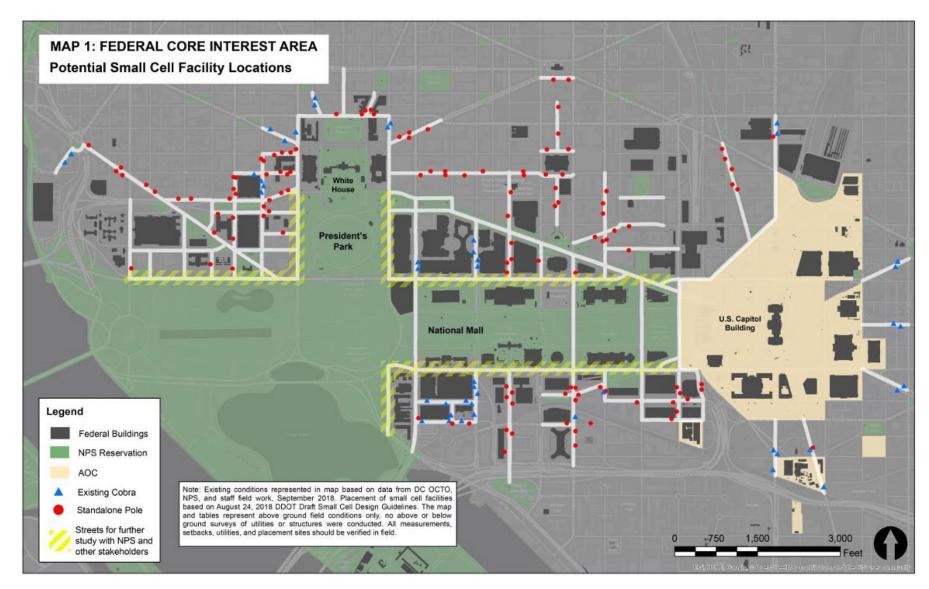
• Ensure safe and efficient operations and maintenance



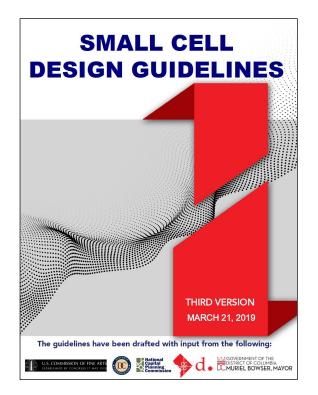
## **Small-Cell Cross References**

1.1.1

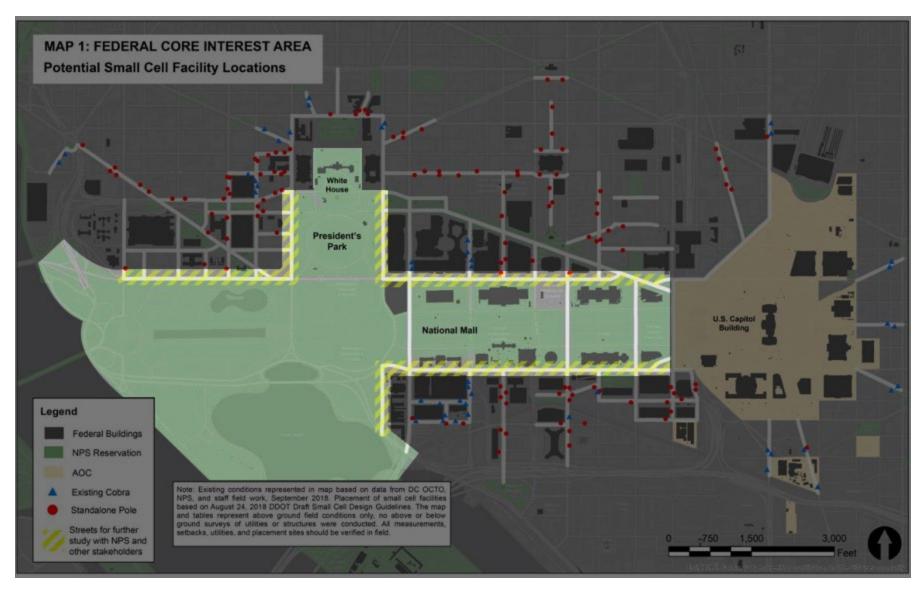
### Small-Cells: Stand-Alone Poles Around the National Mall



DDOT's Small-Cell Design Guidelines were adopted in 2019



### Small-Cells: For National Mall



# **Next Steps**

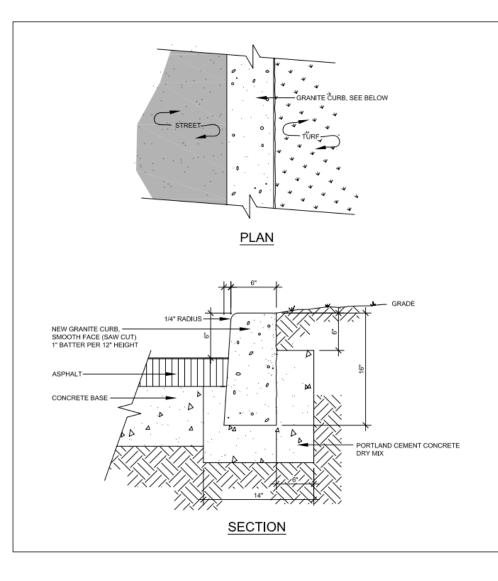
### Next Steps: Phase 2 (Small-Scale Elements)

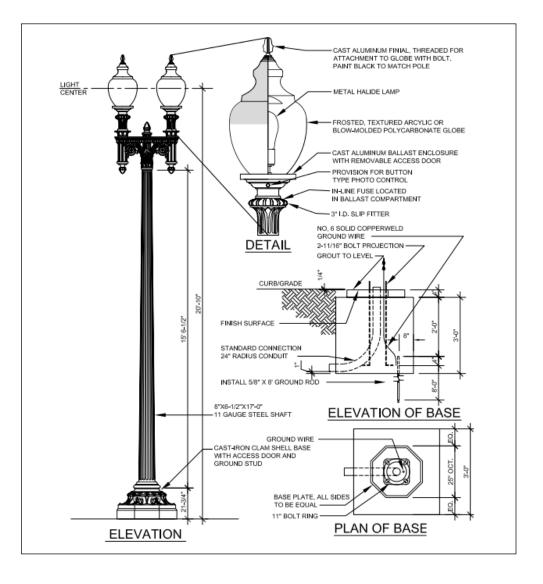
• 60-Day Public Comment Period (April 17 to June 20, 2023)

**Public Meetings** 

- Tuesday, May 9, 12:30-1:30pm
- Wednesday, May 17, 6-7:30pm

### Next Steps: Phase 3 (Construction Manual)





### Next Steps: Phase 3 (Construction Manual Update)

