CLEVELAND PARK STREETSCAPE AND DRAINAGE IMPROVEMENTS
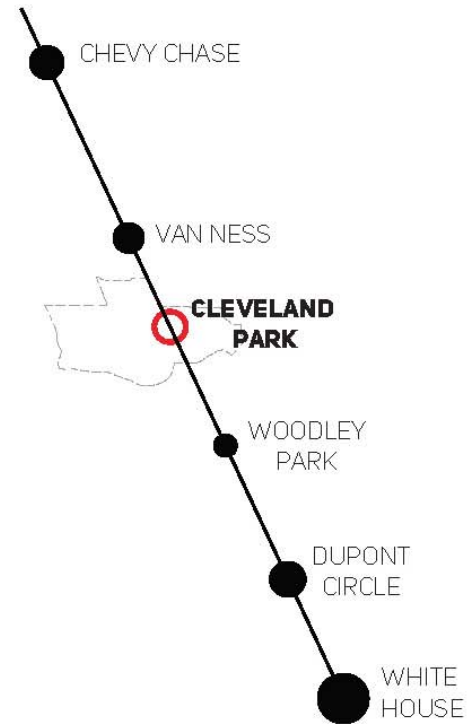
Cleveland Park Streetscape and Drainage Improvement Project

Urban Context

Washington, D.C.
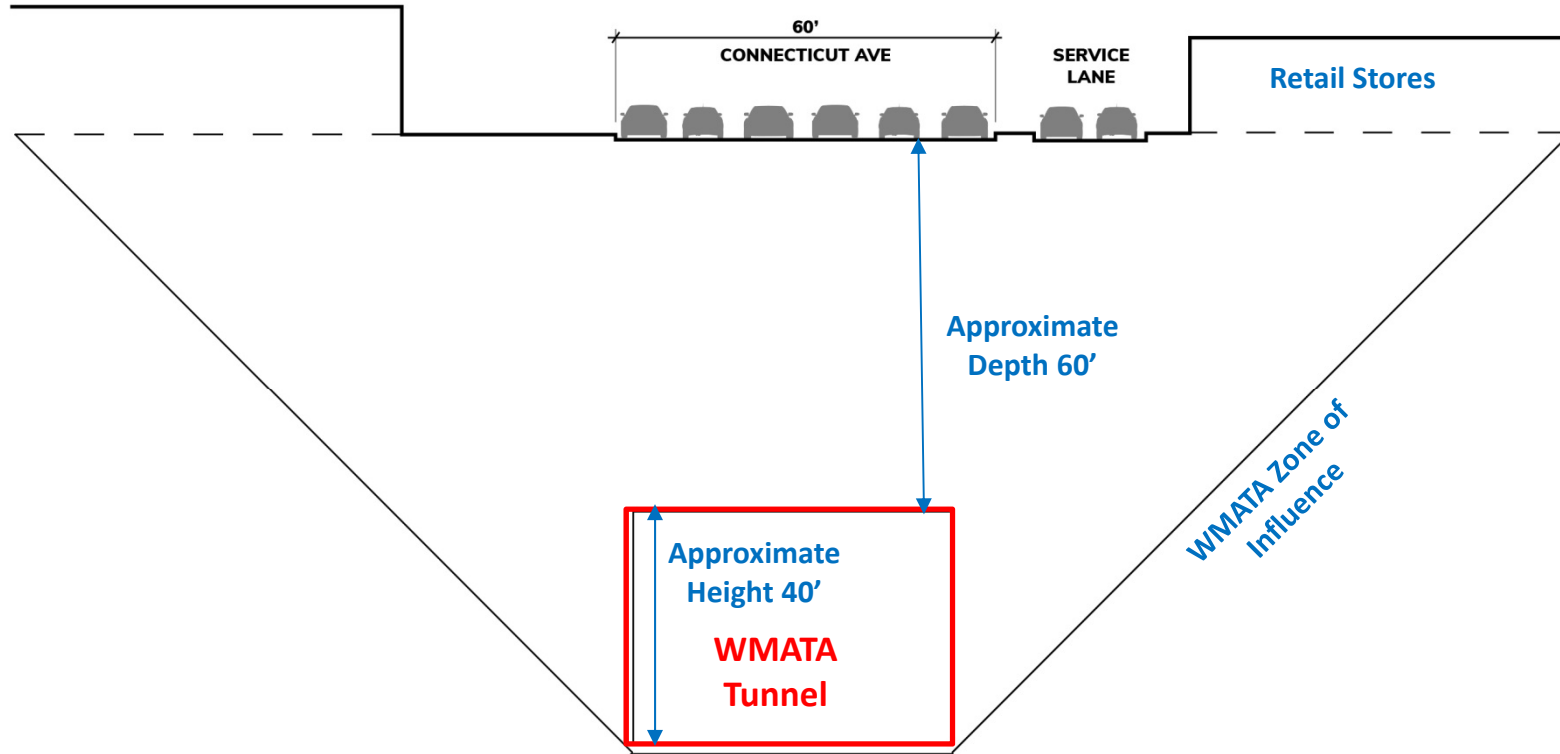
Connecticut Avenue

Neighborhood Context
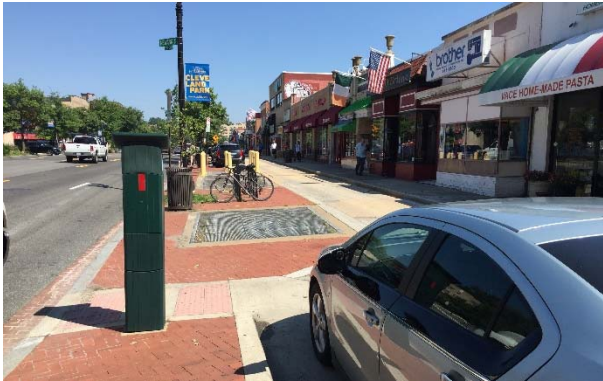

Contributing Drainage Areas

Cleveland Park Historic District

WMATA Zone of Influence

60'
CONNECTICUT AVE

SERVICE LANE

Retail Stores

Approximate Depth 60'

WMATA Zone of Influence

Approximate Height 40'

WMATA Tunnel

CLEVELAND PARK

Cleveland Park - A diminished streetscape

The goal is to recreate a vibrant public realm.
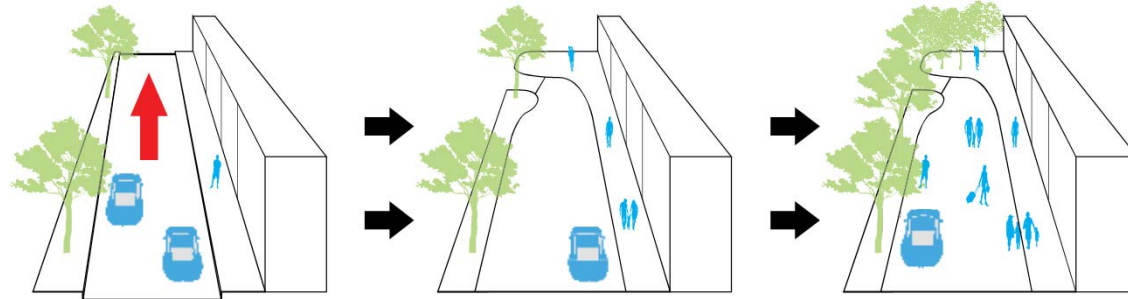
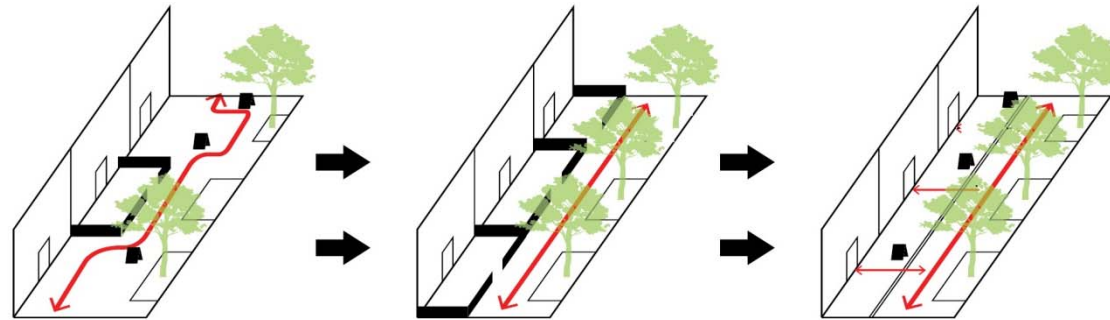**Elevate**　　　　**Delineate**　　　　**Create**
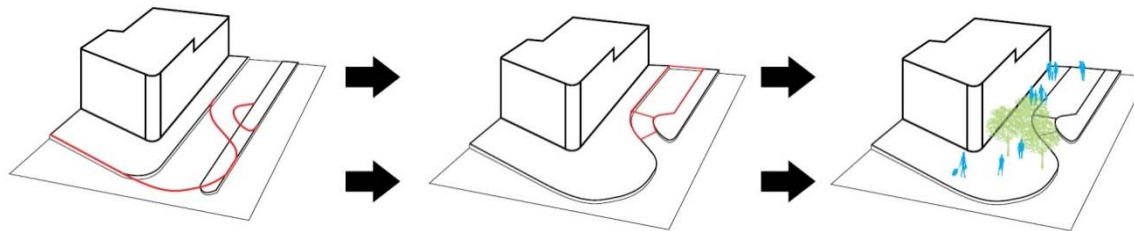
Concept Strategies

Elevate the pedestrian experience.

Delineate clearly defined flexible zones in the public space.

Create spaces that will make Cleveland Park a destination.

Public Outreach

Public Meeting #1
September 15, 2016

Public Meeting #2
June 8, 2017

Streetscape Committee
August 1, 2017

Streetscape Committee
August 29, 2017

A significant change in Cleveland Park

Raise the service lane and ensure user safety

Behavior Indicators integrated into
the streetscape.

1. Incorporate different paving materials, colors, and textures to orient and alert pedestrians – as well as motorists.

2. Buffer sidewalks with streetscape elements to ensure pedestrian comfort and confidence.

3. Create gathering areas for seating and congregate.

Raising the Service Lane

Shared-use Space vs. Shared Surface

Concern: Eliminating a traditional safety
barrier – the raised curb.

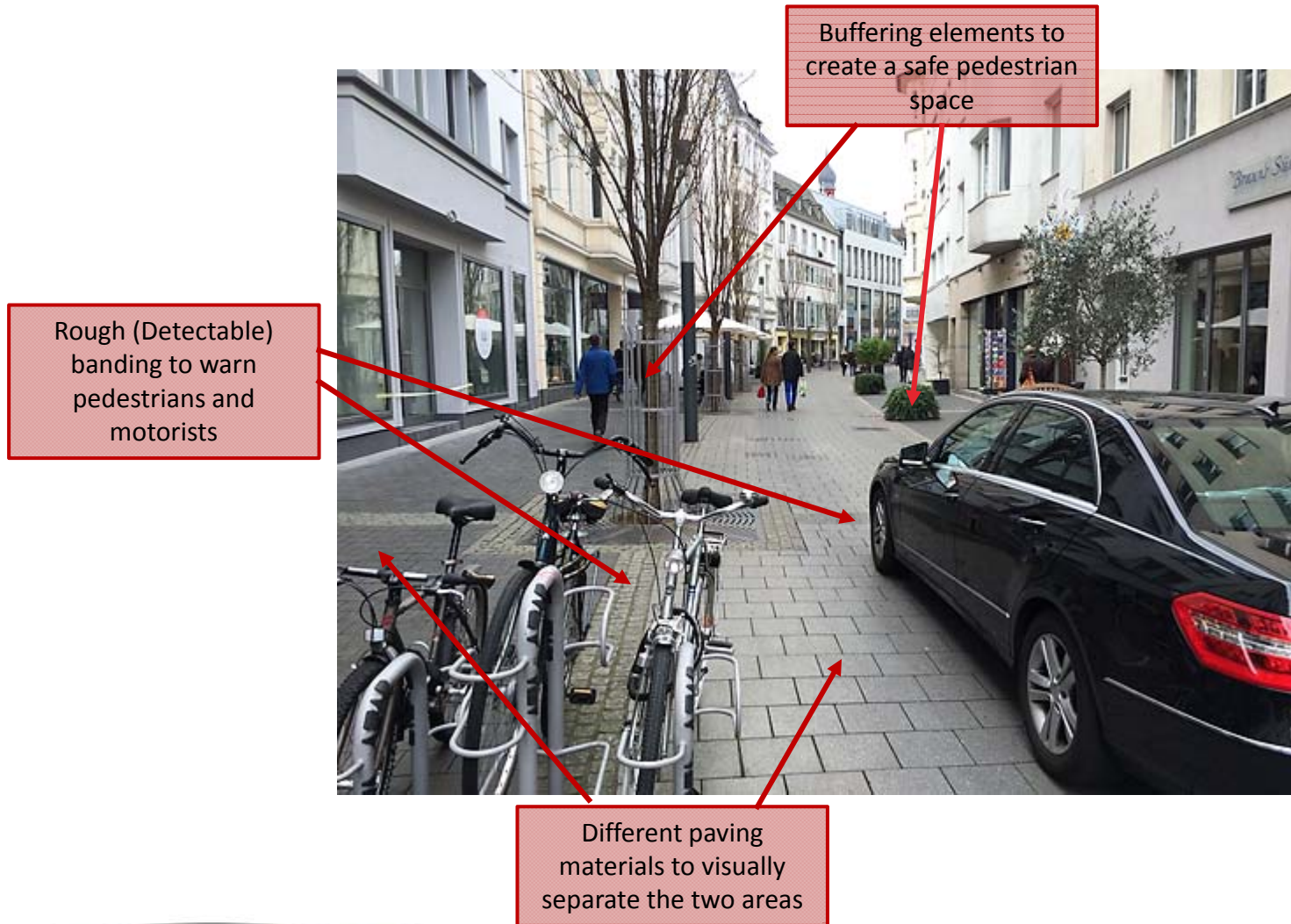# Examples of Shared Surface

Amsterdam, Netherlands

Bollards as buffering elements to create a safe pedestrian sidewalks

Different color banding to warn pedestrians of potential conflict

Different paving patterns to visually separate the two areas

Examples of Shared-use Spaces

Bonn, Germany

Buffering elements to create a safe pedestrian space

Rough (Detectable) banding to warn pedestrians and motorists

Different paving materials to visually separate the two areas

Existing Conditions
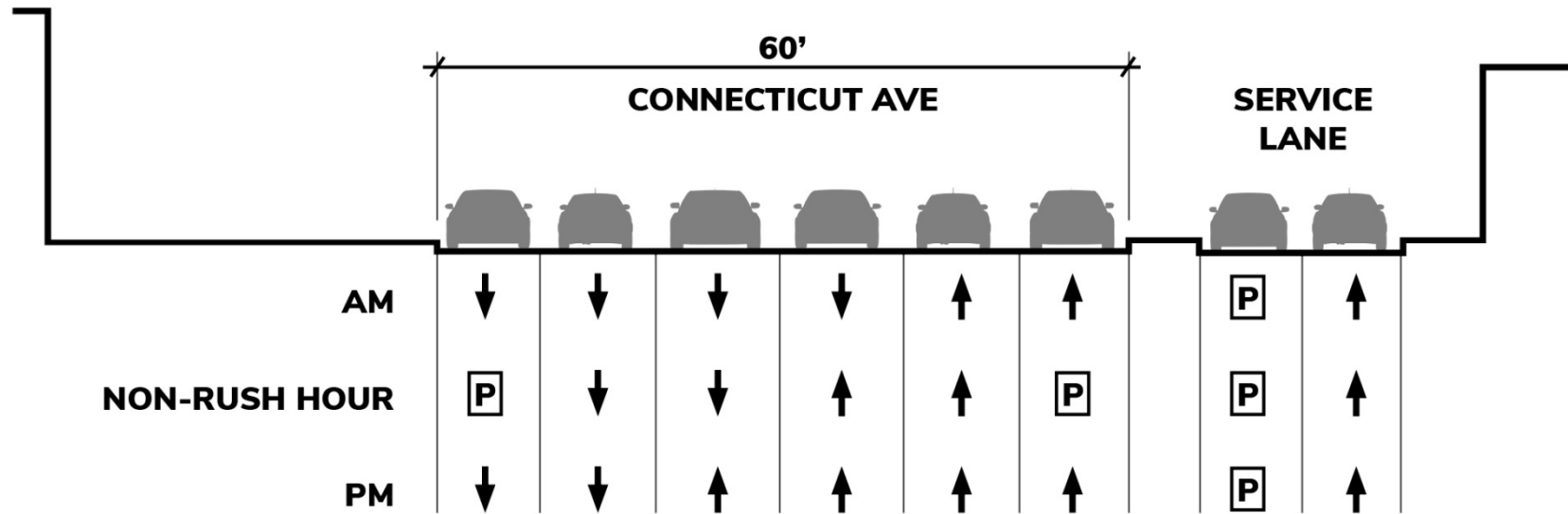
Existing Conditions

Proposed Design

Behavior Indicators: Pavements

Porous Rubber Pavement around existing and proposed trees

12" x 24" Grey Concrete Pavers

Poured-in-Place Concrete Pavement

12" x 24" Grey Concrete Pavers

Behavior Indicators: Buffering

Tree Planting for physical and visual separation

Granite Bollard for physical separation

Granite Banding as detectable warning strip

Granite Banding as traffic control device

Segmented granite curbing

Planters for physical separation

Granite Banding as detectable warning strip
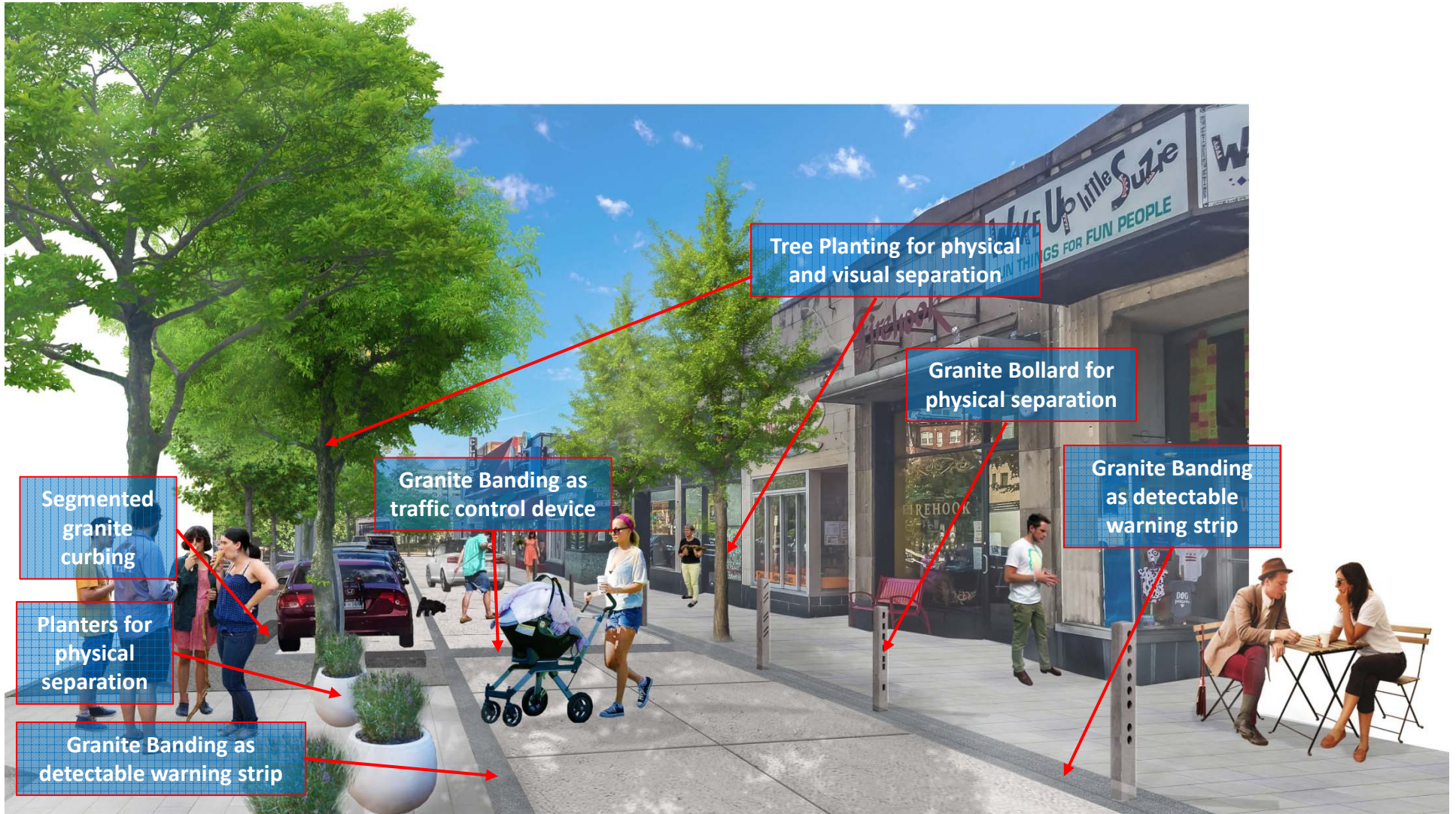
Behavior Indicators: Gathering Areas

Areas for window shopping

Areas for congregating

Areas for restaurant seating

The Shared-use Area

Existing Conditions

| VARIES 6'-7' | 9' PARKING | 9' TRAVEL | 6' MIN' | 4' MAX |

Proposed Shared-use Area

12"

| VARIES 6'-7' PLANTING AREA | 8' PARKING | 10' TRAVEL | 6' MIN' | 4' MAX |

18' SHARED-USE AREA

The Shared-use Area

Tree Planting Area

Parking Lane

Travel Lane

Pedestrian-only Walking Zone

Shared-use Area

6' +/-

8'

10'

10'

40'

10'
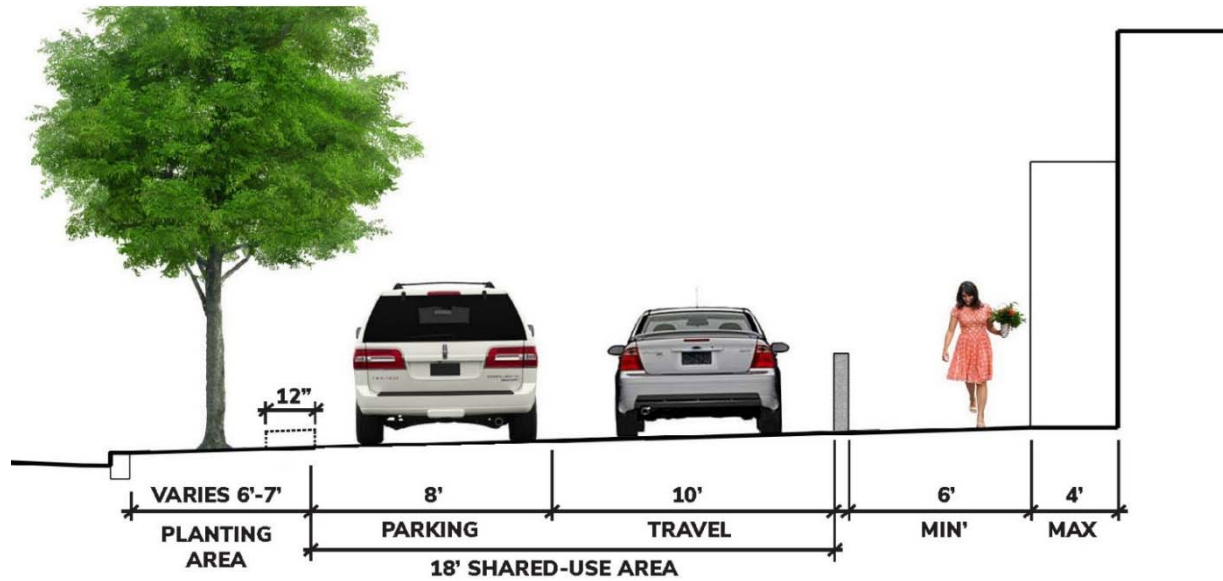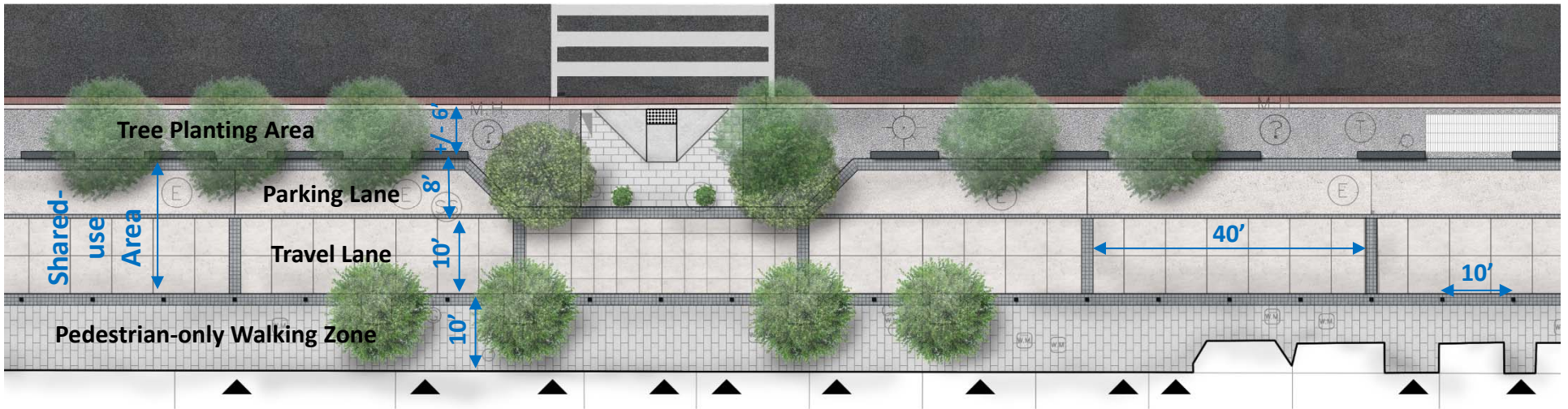
Site Plan

The Shared-use Area's design palette influences the rest of Cleveland Park's Streetscape Design

+ Standardized tree pit edging
+ Orderly planting beds
+ Uniform 18" Granite banding
+ Organized spatial layout

+ Increased seating areas
+ High-albedo material palette
+ Increased tree canopy coverage
+ Enhanced pedestrian experience

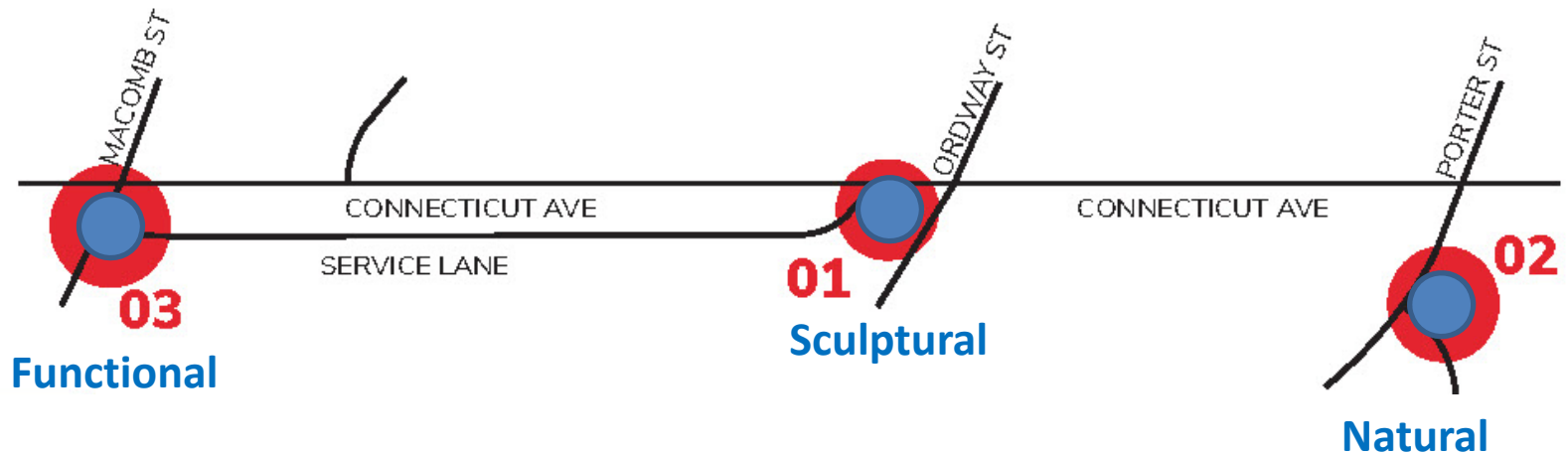+ Creation of gathering areas
+ Upgraded ADA feature
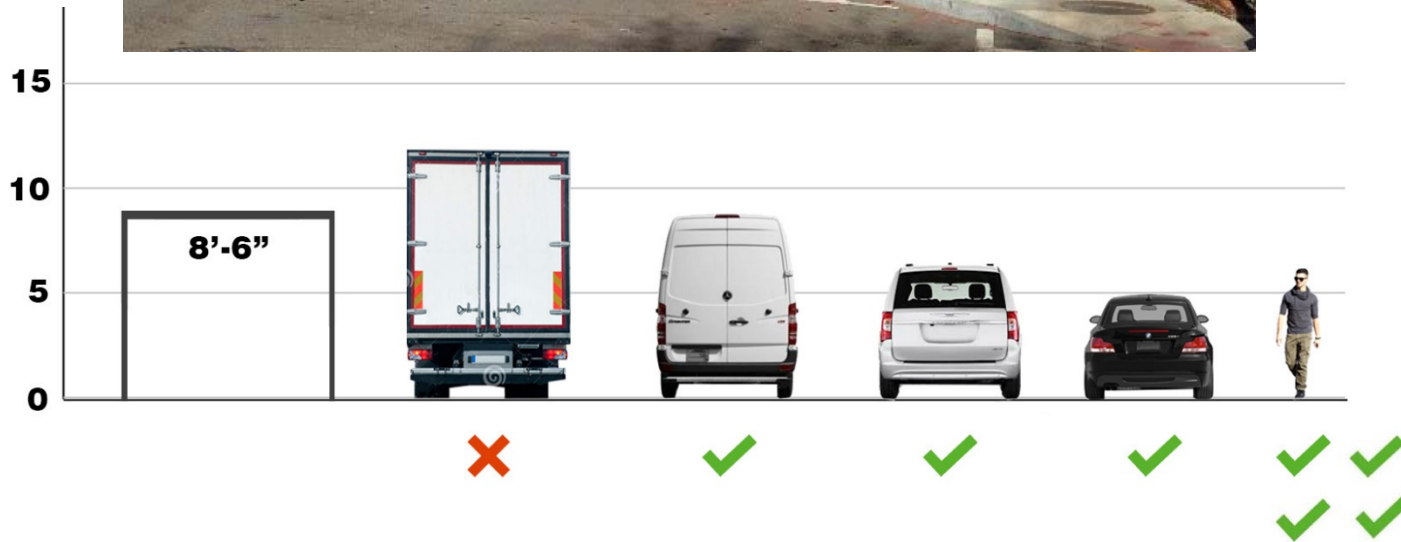+ Variety of seating options
+ Improved pedestrian circulation

+ Implementation of public art
+ Increased public space
+ Uniform material palette
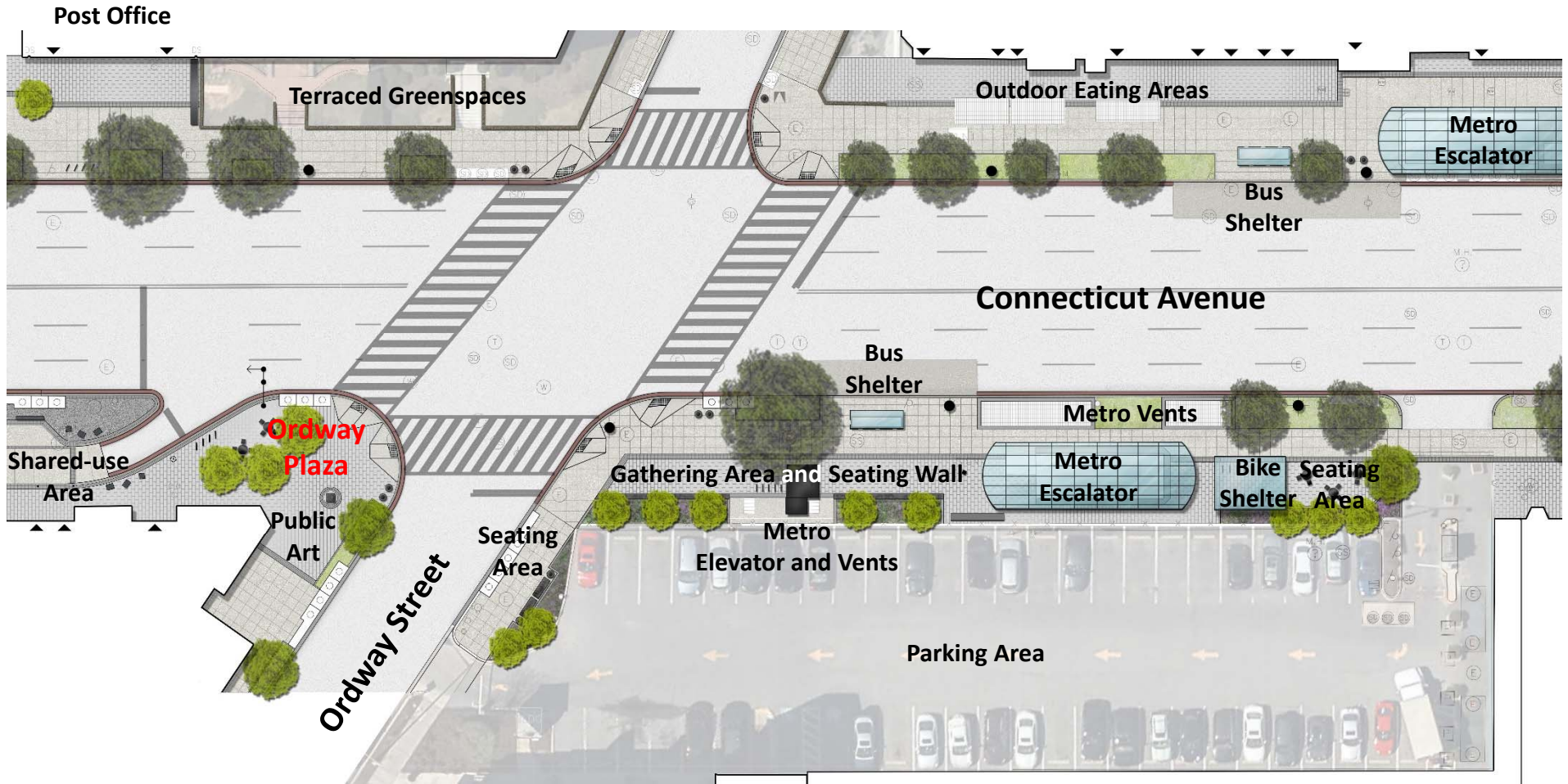+ Improved user safety

Gateways and Urban Nodes

Public Art

Entrance into Share-use area

Ordway Plaza and the Metro area

Post Office

Terraced Greenspaces

Outdoor Eating Areas

Metro Escalator

Bus Shelter

Connecticut Avenue

Bus Shelter

Metro Vents

Shared-use Area

Ordway Plaza

Gathering Area and Seating Wall

Metro Escalator

Bike Shelter

Seating Area

Public Art

Seating Area

Metro Elevator and Vents
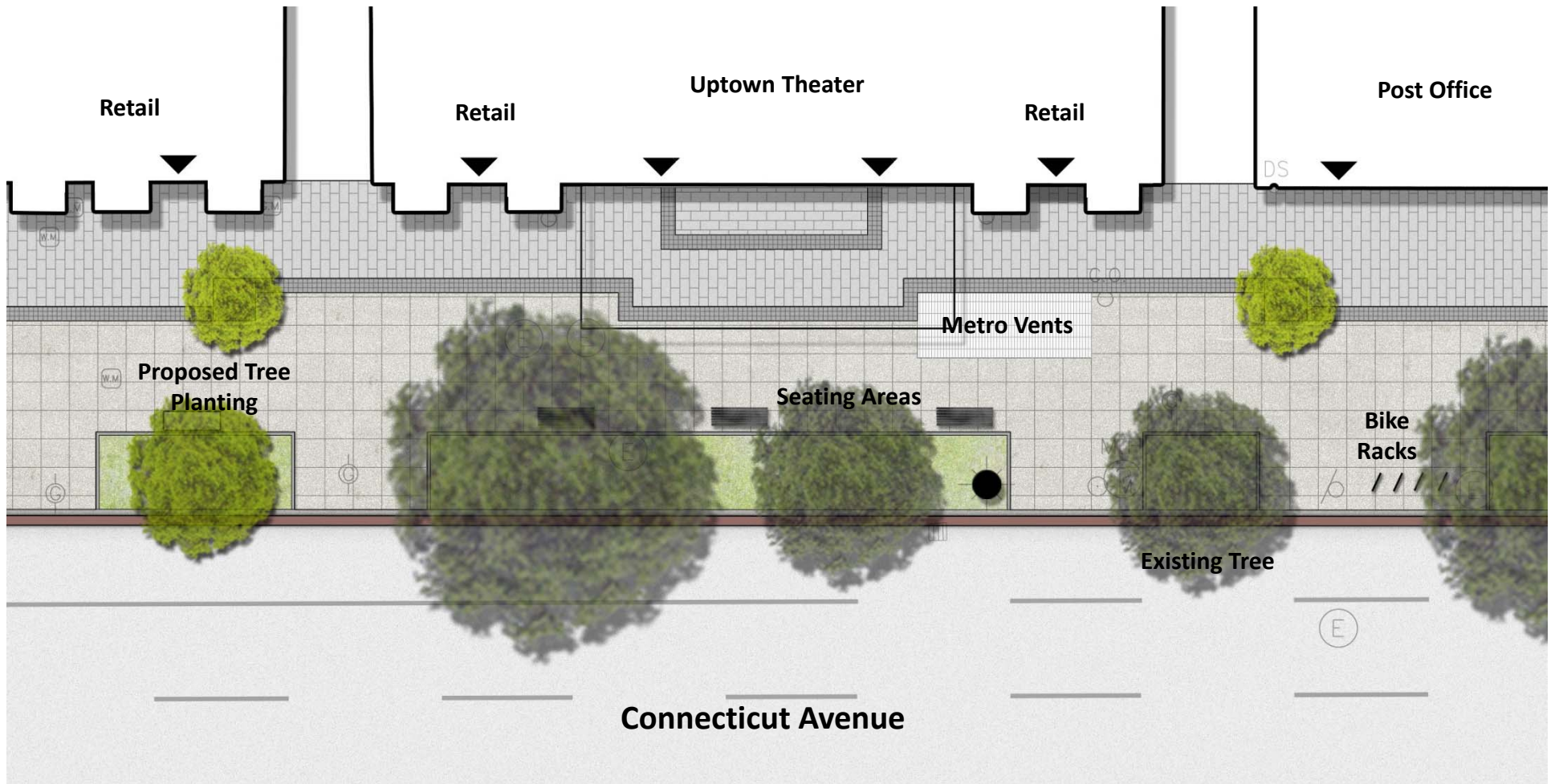
Ordway Street

Parking Area

CLEVELAND PARK

Existing Condition at Service Lane Exit

Ordway Plaza

Public Realm at Uptown Theater

Retail

Retail

Uptown Theater

Retail

Post Office

Metro Vents

Proposed Tree Planting

Seating Areas

Bike Racks

Existing Tree

Connecticut Avenue

Public Realm at Uptown Theater

Retail
(Restaurant)

Retail

Uptown Theater

Retail

Post Office

Marquee Limits

Planting Soil under sidewalk

Connecticut Avenue
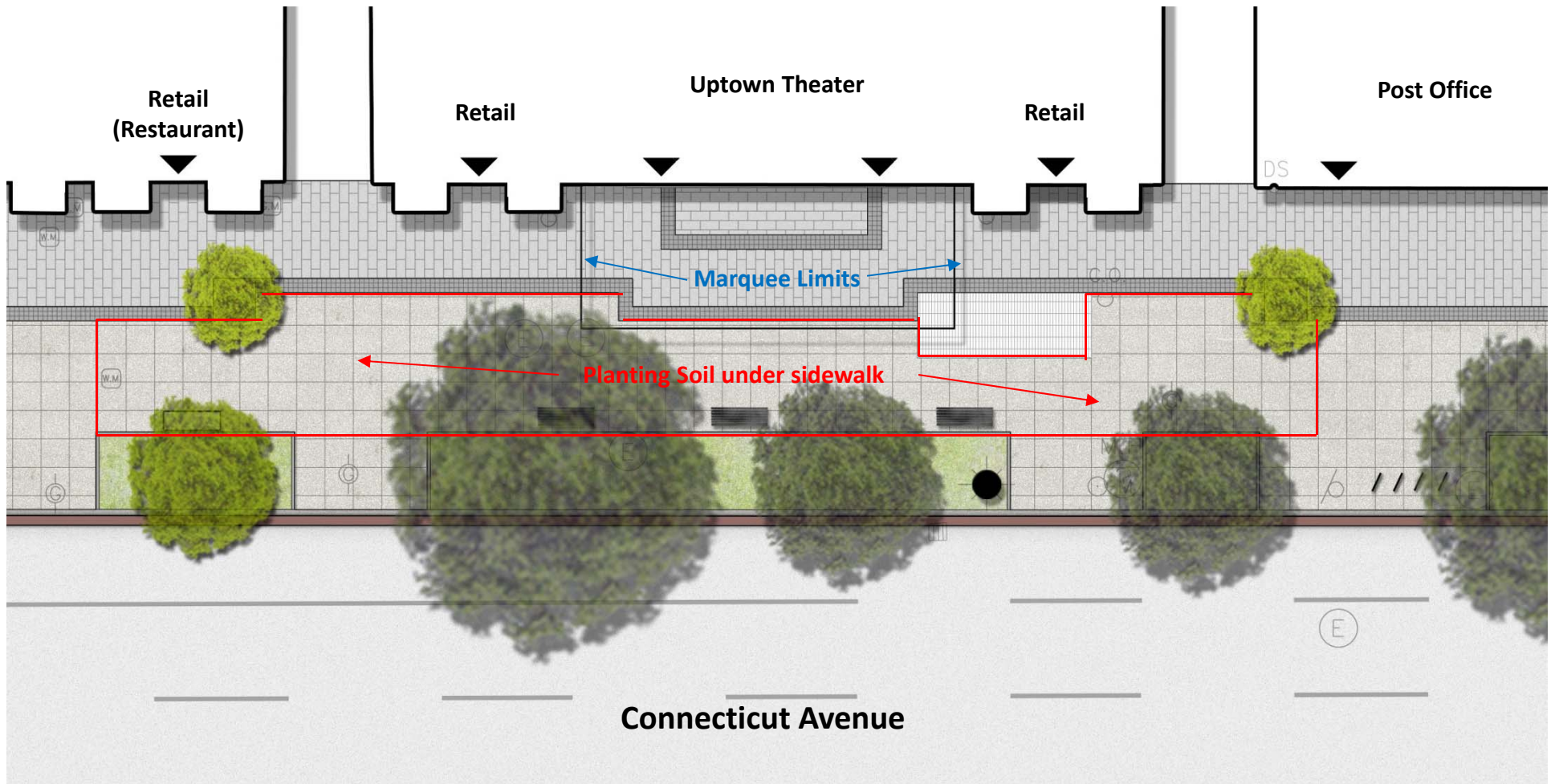
Increase Planting Volume for Street Trees

MEDIUM TREE
VOLUME REQUIREMENTS:
1,000 CUBIC FEET

SOIL VOLUME PARTIALLY UNDER WALK

PLAN VIEW

SIDEWALK

SECTION VIEW
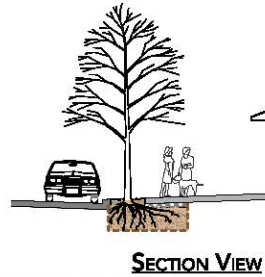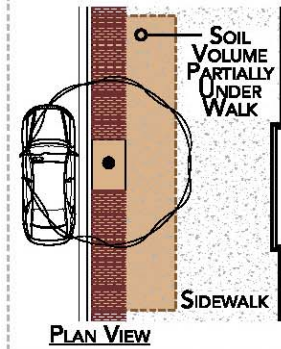
LARGE TREE
VOLUME REQUIREMENTS:
1,500 CUBIC FEET

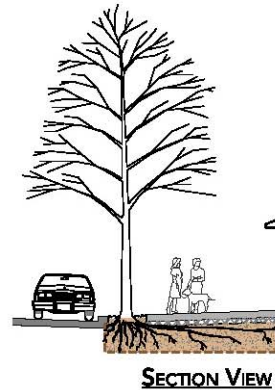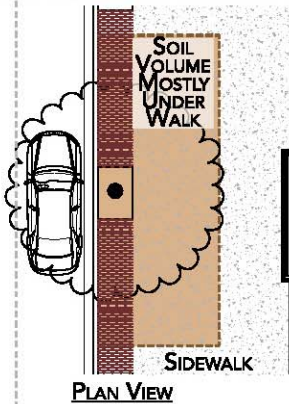SOIL VOLUME MOSTLY UNDER WALK

PLAN VIEW

SIDEWALK

SECTION VIEW

image courtesy of Greening DC Streets - DDOT

porosity of the pavement should increase the success of existing and proposed trees.

STREET

TREE SPACE & PERMEABLE PAVEMENT
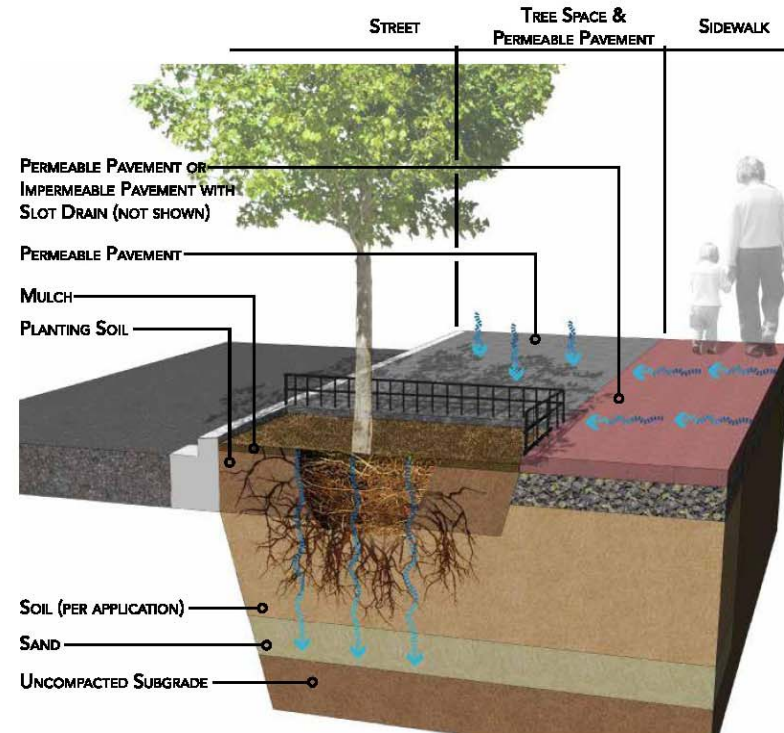
SIDEWALK

PERMEABLE PAVEMENT OR IMPERMEABLE PAVEMENT WITH SLOT DRAIN (NOT SHOWN)

PERMEABLE PAVEMENT

MULCH

PLANTING SOIL

SOIL (PER APPLICATION)

SAND

UNCOMPACTED SUBGRADE

image courtesy of Greening DC Streets - DDOT

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CLEVELAND PARK

Public Realm at Uptown Theater

SPILL-OUT ZONE   WALKING ZONE   PLANTING ZONE

4'   10'   13'   8'
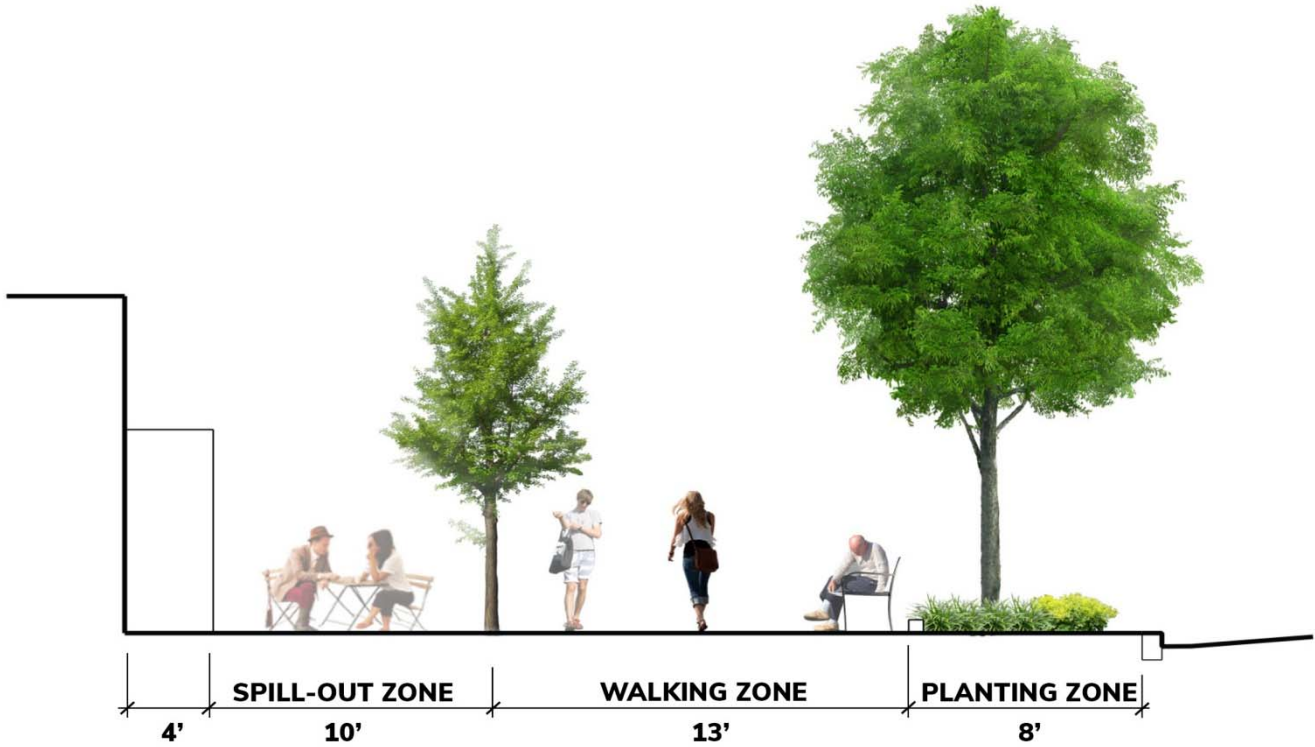
Public Realm at Uptown Theater

Public Realm at Uptown Theater

Public Realm near Fire Station
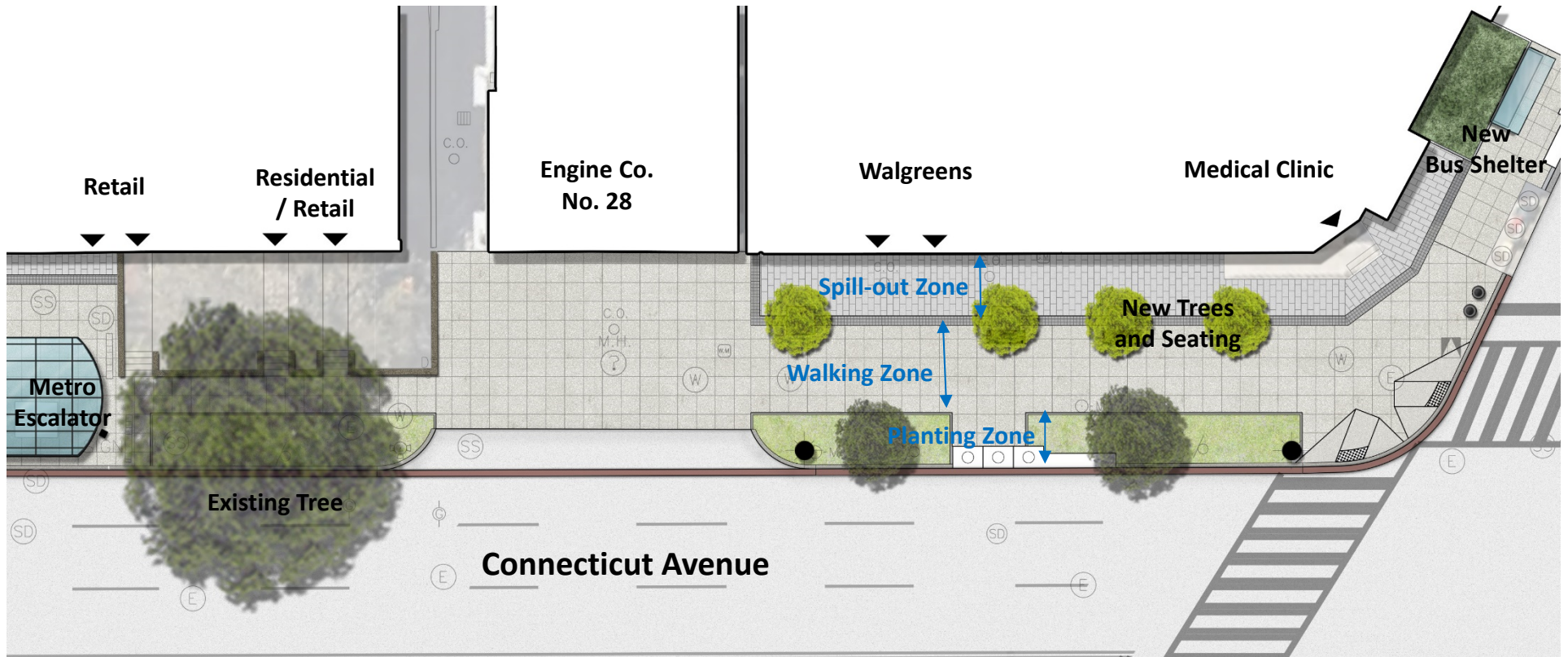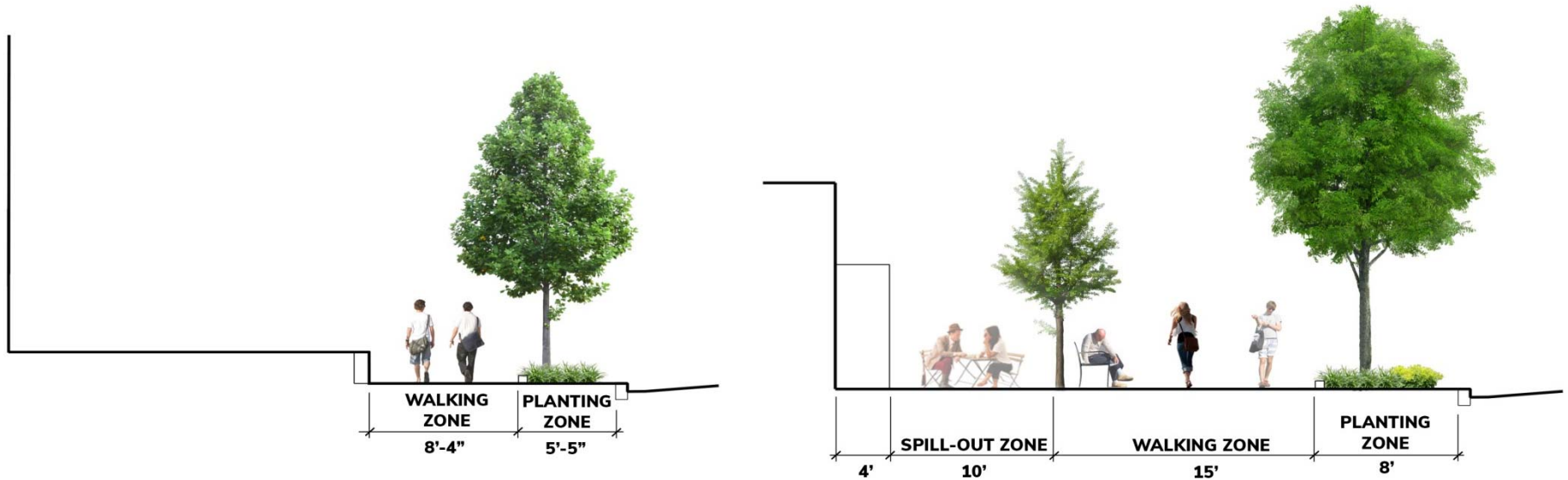
Retail

Residential / Retail

Engine Co. No. 28

Walgreens

Medical Clinic

New Bus Shelter

Spill-out Zone

New Trees and Seating

Walking Zone

Metro Escalator

Planting Zone

Existing Tree

Connecticut Avenue

Public Realm near Fire Station

WALKING ZONE
8'-4"

PLANTING ZONE
5'-5"

SPILL-OUT ZONE
4'   10'

WALKING ZONE
15'

PLANTING ZONE
8'

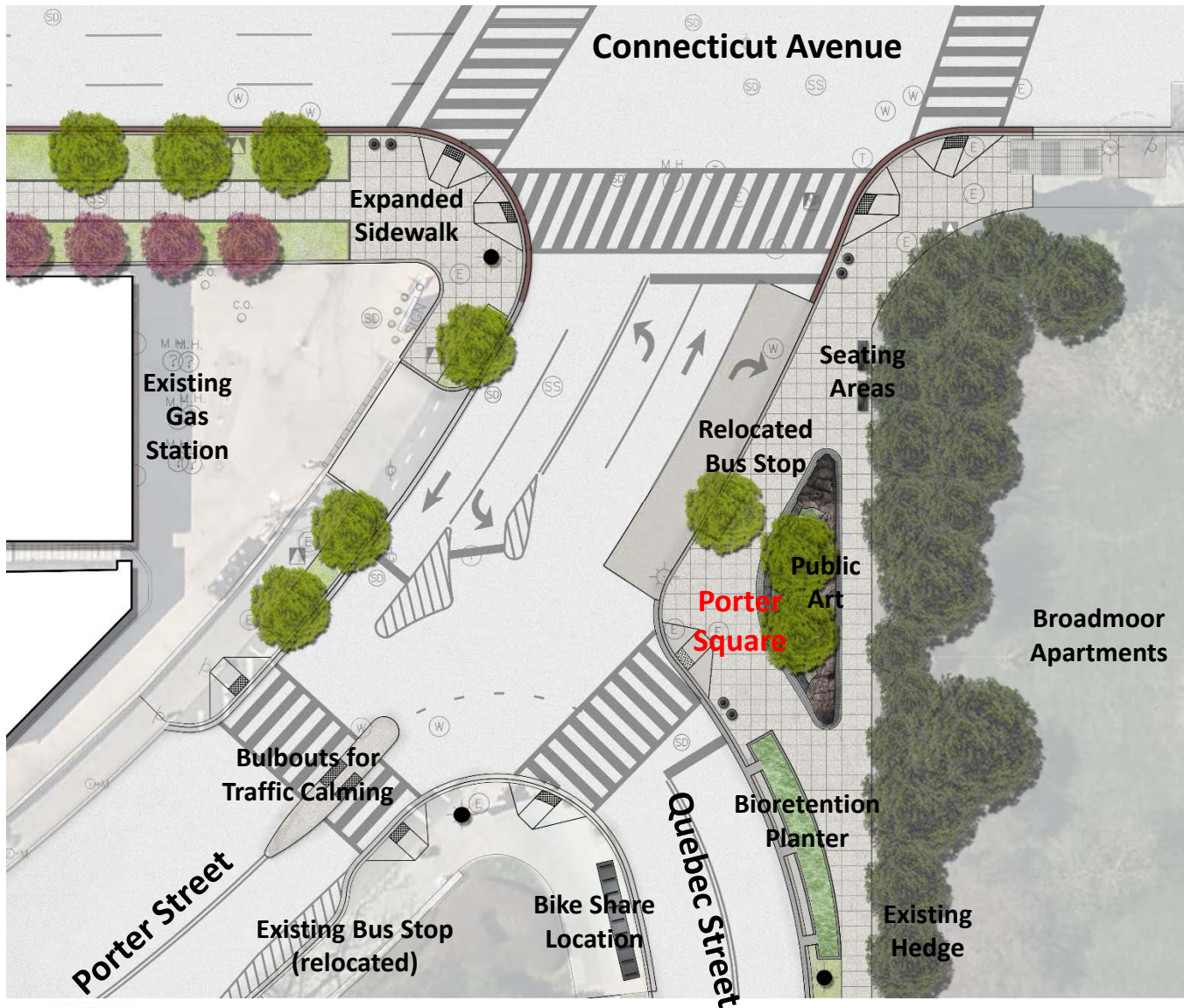# Public Realm near Fire Station

Public Realm near Fire Station

Public Realm at the Porter Street and Quebec Street Intersection

Public Realm at the Porter Street and Quebec Street Intersection

Connecticut Avenue

Expanded Sidewalk

Existing Gas Station

Seating Areas

Relocated Bus Stop

Public Art

Porter Square

Broadmoor Apartments

Bulbouts for Traffic Calming

Bioretention Planter

Porter Street

Quebec Street

Existing Bus Stop (relocated)

Bike Share Location

Existing Hedge

d.

CLEVELAND PARK

Public Realm at the Porter Street and Quebec Street Intersection

Public Realm at the Porter Street and Quebec Street Intersection

Site Furnishing

DDOT Standard
Traditional Bench

DDOT Standard
Inverted "U" Bike Rack

DDOT Standard
Trash Receptacle

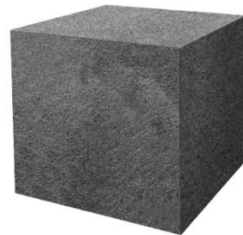DDOT Standard
Twin-20 Light Post
with Historic Marker

Behavior Indicators

3' Granite Bollard

Segmented Granite Curb
12" wide x 6" high x variable length

Granite Stone
Seating Blocks

Streetscape
Planter

Bike Shelter near Metro Escalator