

SOUTH LOOP

STREETSCAPE MASTER PLAN AND LINDAU LINK STREETSCAPE PROJECT

City of Bloomington

October 15th, 2012

Open House

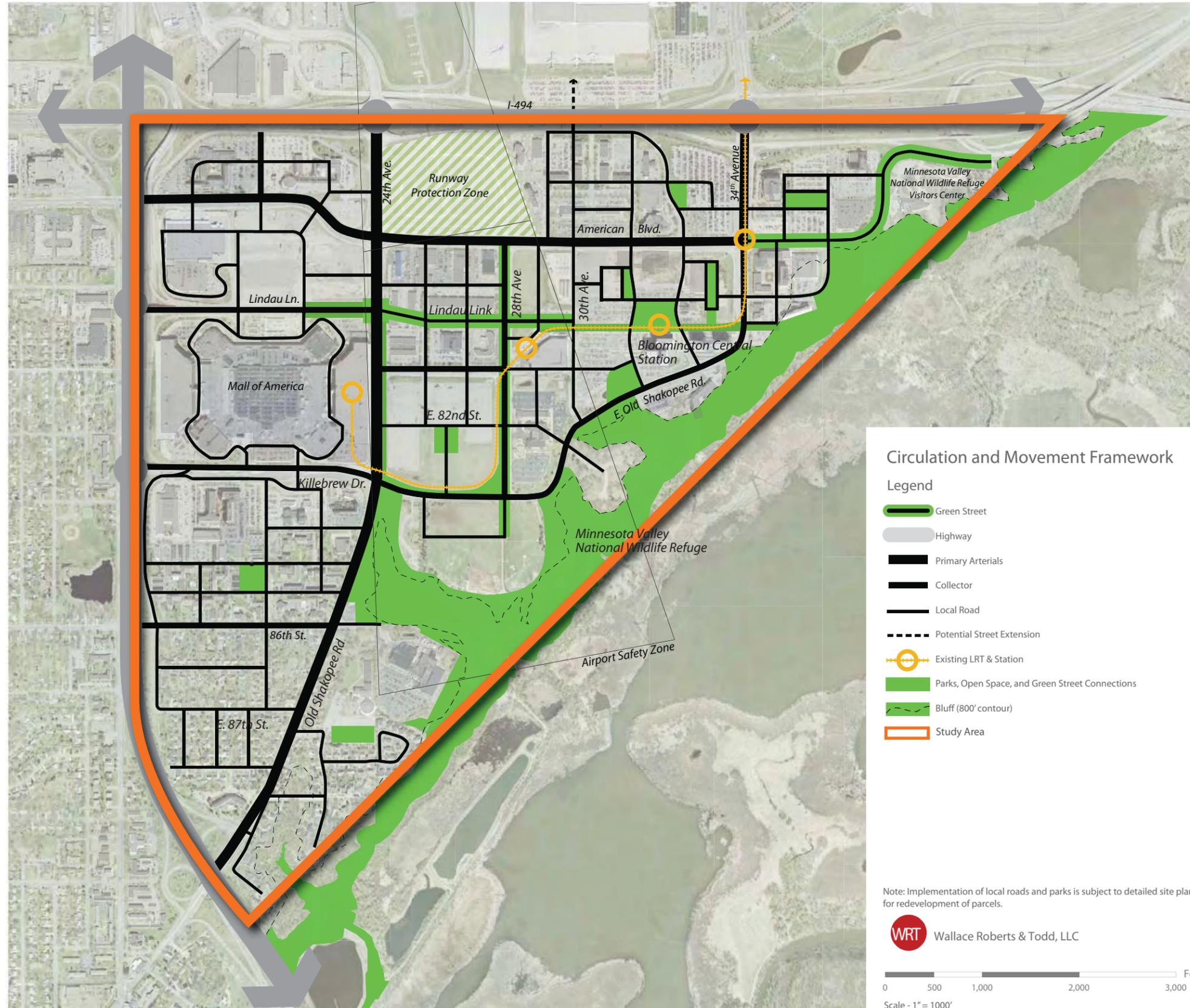
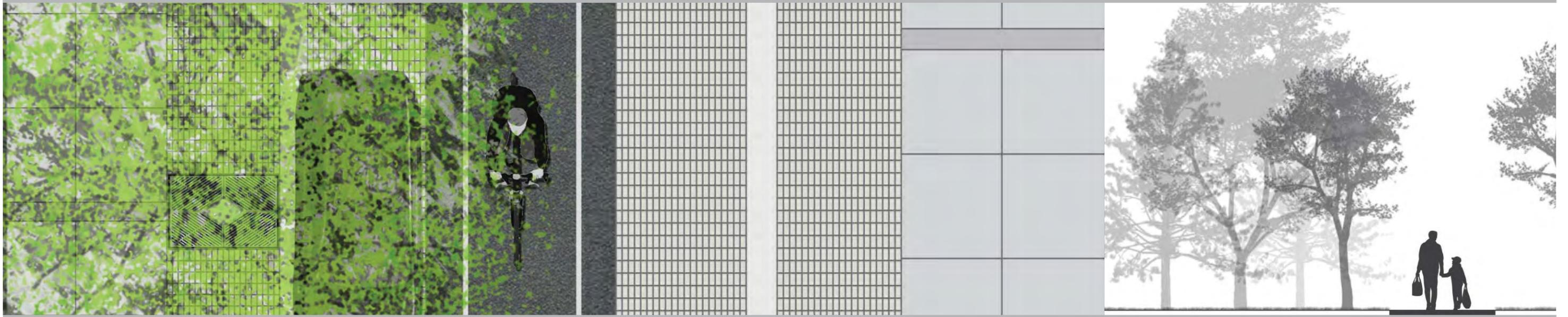


Figure 1.1 Circulation and movement framework, courtesy of the South Loop District Plan, City of Bloomington



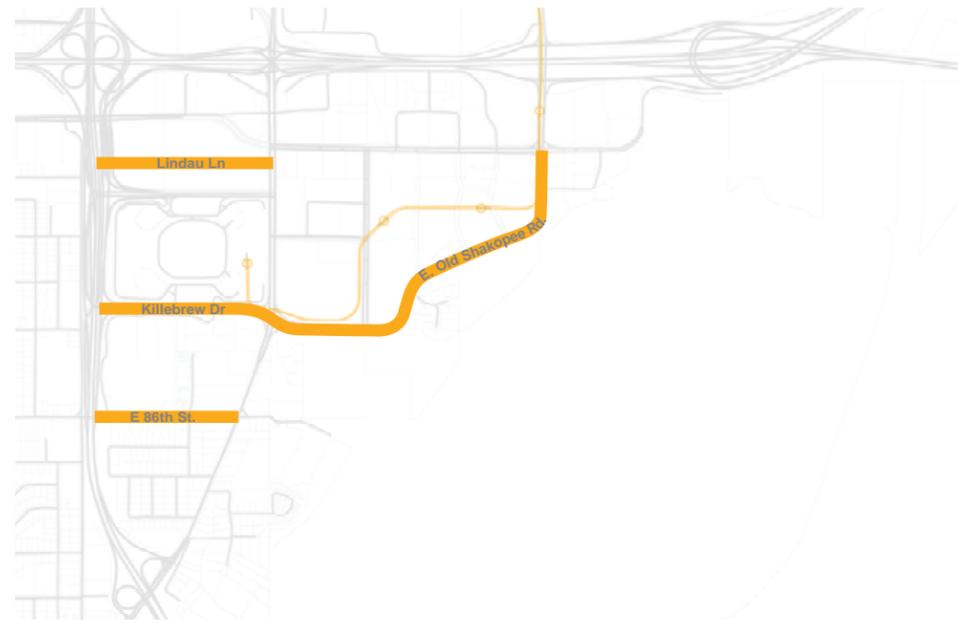
Streetscape Hierarchy CHAPTER

4

Building Setbacks
Streetscape Level of Treatment
Typical Street Cross Sections and Block Layout
Roadway, Sidewalk, Right of Way



Category 1: Primary Arterials (No On - Street Parking)



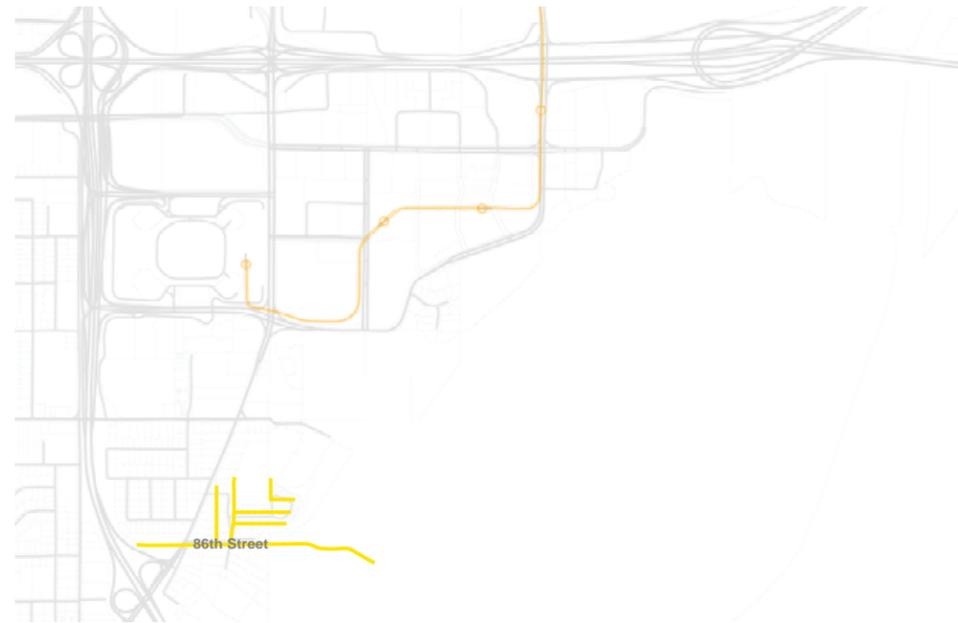
Category 2: Collectors (Sub - Arterials) No On - Street Parking



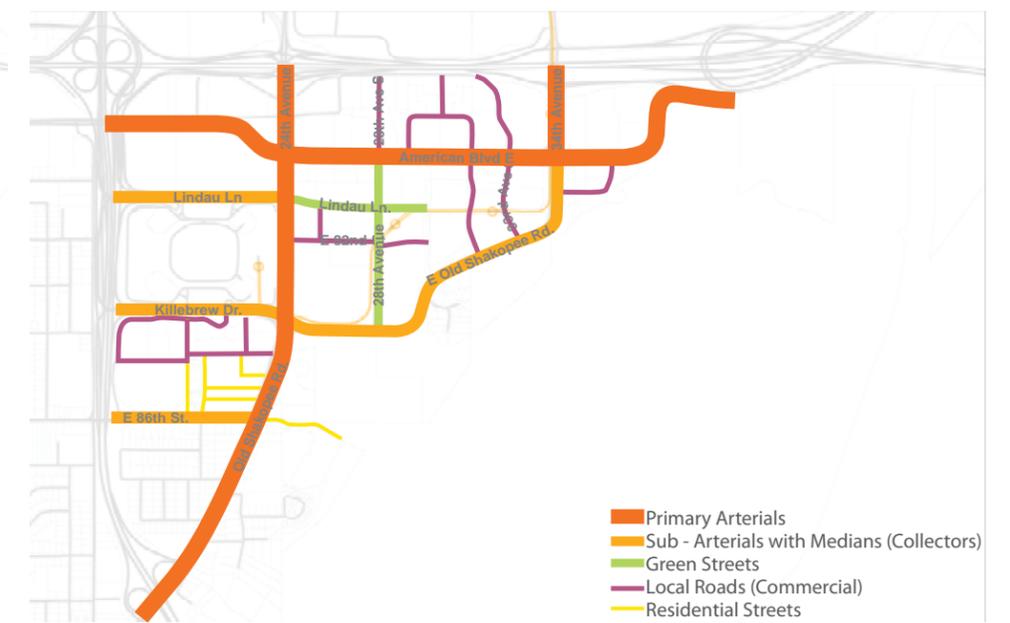
Category 3: Local Roads (Commercial)



Category 4: Green Streets (Lindau Link and 28th)



Category 5: Local Roads (Residential)



Streetscape Hierarchy (Composite)

- █ Primary Arterials
- █ Sub - Arterials with Medians (Collectors)
- █ Green Streets
- █ Local Roads (Commercial)
- █ Residential Streets

Streetscape Level of Treatment

Streetscape Hierarchy Design Elements Matrix

	Lighting	Flooring	Stormwater	Boulevard Trees	Street Furniture	Landscaping	Quadrants/Intersection	Banners
Primary Arterials (24th Ave/34th)	Combined Road and Pedestrian Lighting	Concrete Broomed and Scored	Underground Infiltration	Trees in the Boulevard	Mid Block and Rest Stop	Median Planting 10' Wide or Greater	Crosswalk Node Vertical Elements	Banners
Primary Arterials (American Blvd)	Combined Road and Pedestrian Lighting	Concrete Broomed and Scored and Permeable Boulevard	Tree Trench	Trees in the Boulevard	Mid Block and Rest Stop	Median Planting 10' Wide or Greater	Crosswalk Node Vertical Elements	Banners
Collectors (Sub - Arterials)	Combined Road and Pedestrian Lighting	Concrete Broomed and Scored	Tree Trench	Trees in the Boulevard	Mid Block and Rest Stop	Median Planting 10' Wide or Greater	Crosswalk Node Vertical Elements	Banners
Local Roads (Commercial)	Combined Road and Pedestrian Lighting (Separate for 30th Street)	Concrete Broomed and Scored	Boulevard Swale	Trees in the Boulevard	Mid Block and Rest Stop	NA	Crosswalk Node	Banners
Green Streets	Combined Road and Pedestrian Lighting Outlets at Light Poles and Trees	Concrete Broomed and Scored with Colored Concrete Accents Pavers	Tree Trench and Permeable Pavers in Parking Bay	Trees in the Boulevard and Multiple Plantings	Benches and Trash Receptacles at Bum-outs Newspaper Corrals	Median Planting Mid Block Accents Planters Buffers	Crosswalk Node Vertical Elements Planters Interior Landscape Pots in Curbs and Bump-outs	Banners
Local Roads (Residential)	Road Only	Concrete Broomed and Scored	Boulevard Swale	NA	NA	NA	NA	NA

Table 4.2 Streetscape Hierarchy design Elements Matrix

Primary Arterials

24th Avenue - South of 82nd. Street

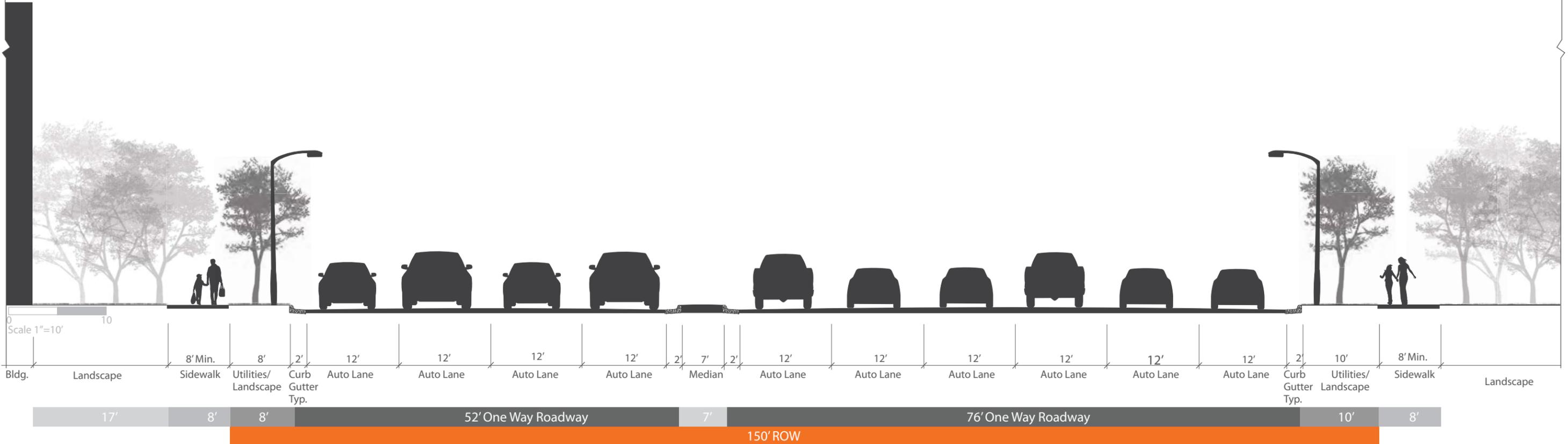
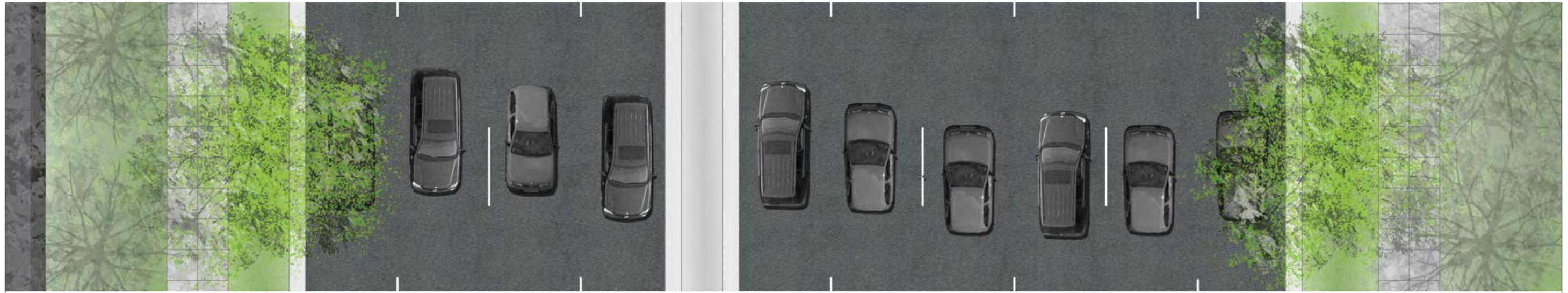


Figure 4.4 24th Avenue Plan and Cross Section

Primary Arterials

American Boulevard - West of 24th Street



Figure 4.5 American Boulevard (West of 24th) Plan and Cross Section

Primary Arterials

American Boulevard - East of 24th Street



Figure 4.6 American Boulevard (East of 24th) Plan and Cross Section

Collectors (Sub-Arterials)

E. Old Shakopee Road - East of 24th Street

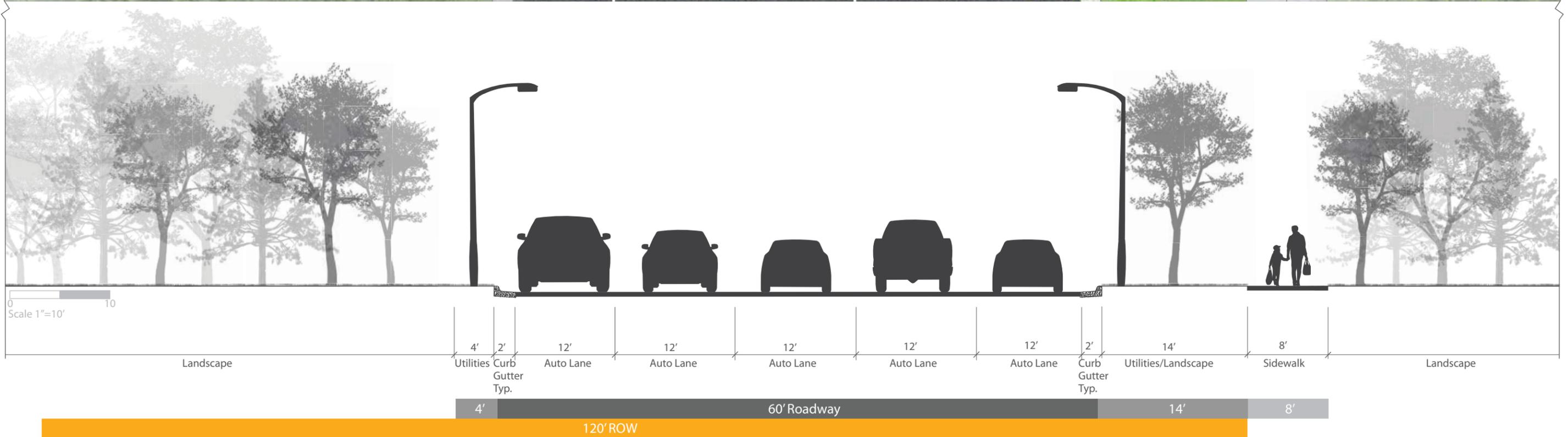
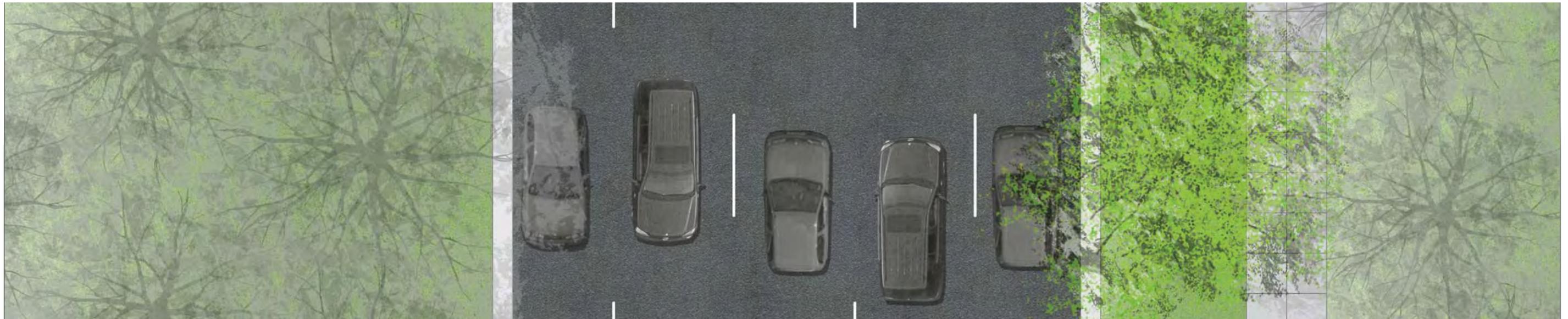


Figure 4.8 E. Old Shakopee Road Plan and Cross Section

Local Roads (Commercial)

Metro Drive Road

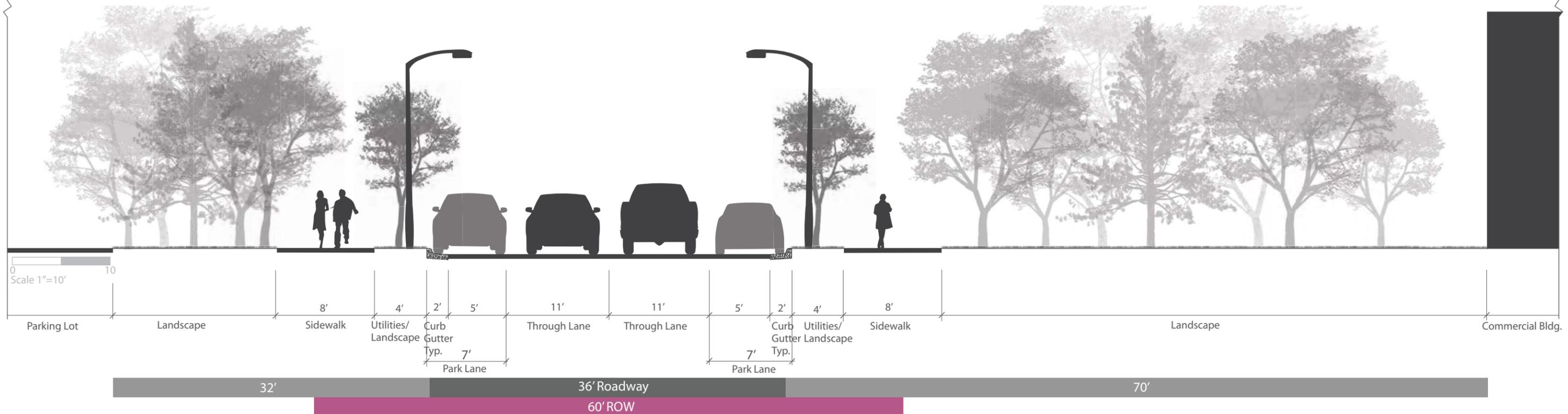


Figure 4.10 Metro Drive Road Plan and Cross Section



Figure 4.12 Lindau Link Proposed 2030 Plan and Cross Section

Green Streets

Lindau Link Proposed 2050



Figure 4.13 Lindau Link Proposed 200 Plan and Cross Section

Local Roads (Residential)

86th 1/2 Street

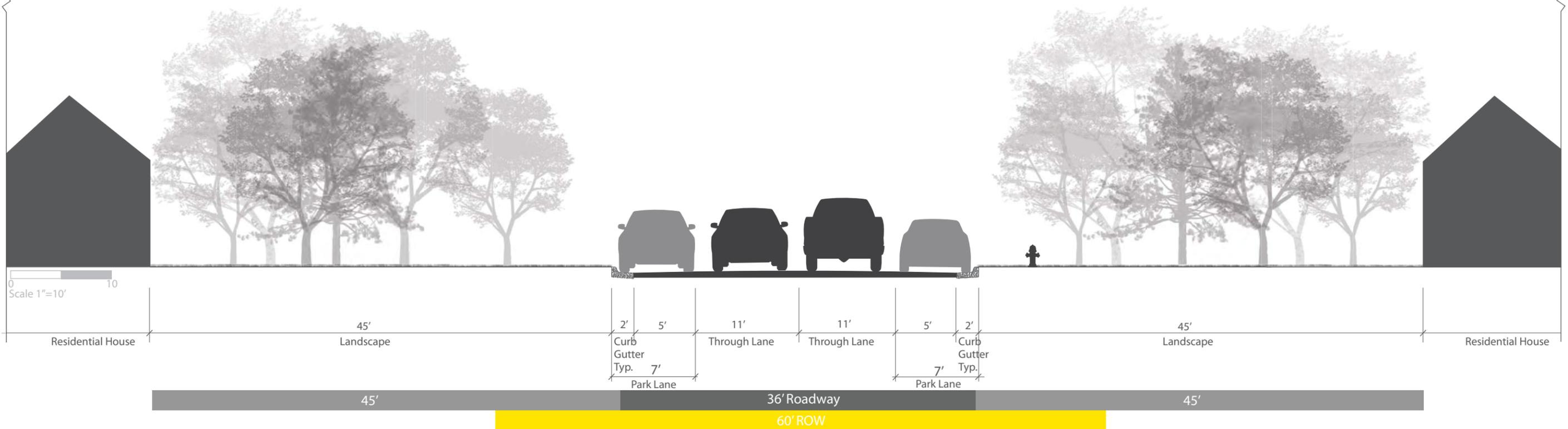
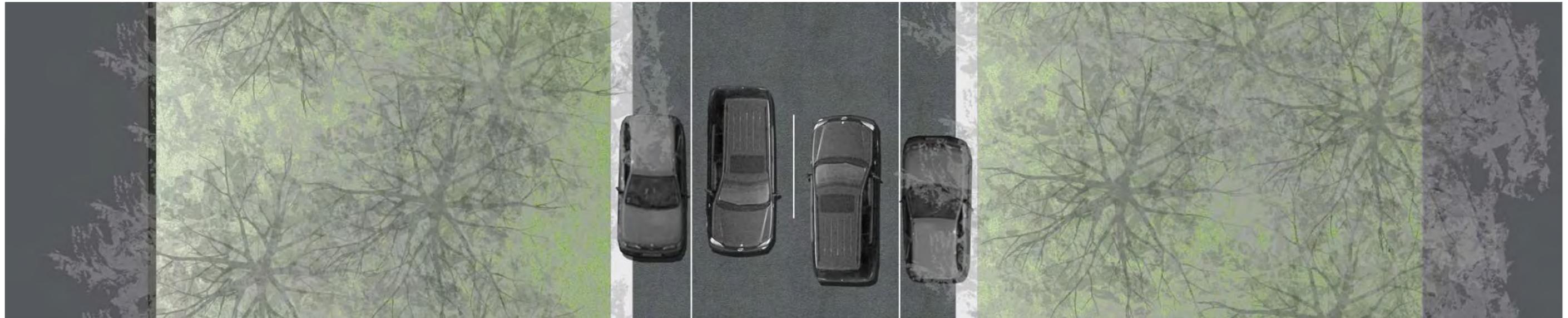
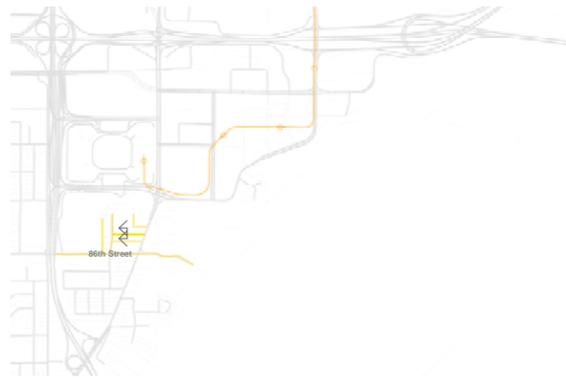
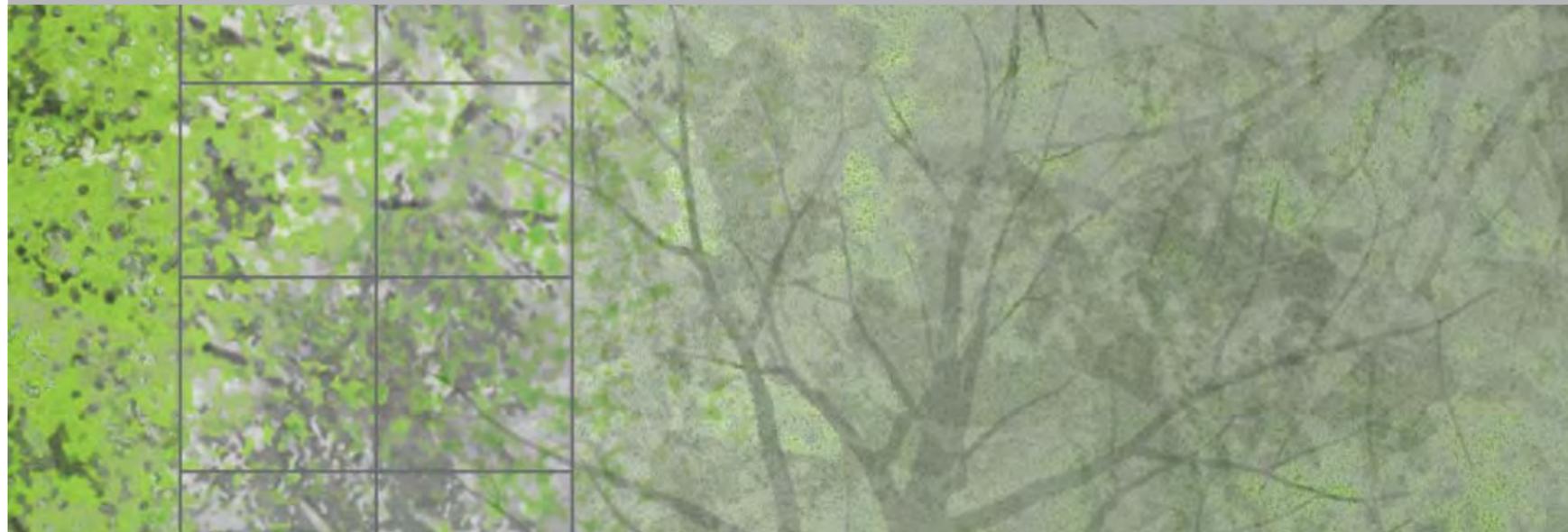


Figure 4.13 86th 1/2 Street Plan and Cross Section



Sub-surface Space Allocation CHAPTER

5

Location of Public Utilities; Storm, Sanitary, Domestic Water
Signal Interconnect and Lighting Conduits
Private Utilities; Gas, Electric, Communications
Tree Root Balls
Structure Foundations; Lighting, Vertical Elements
Irrigation

Sub-surface Space Allocation

Utilities Layout Representative Cross Section

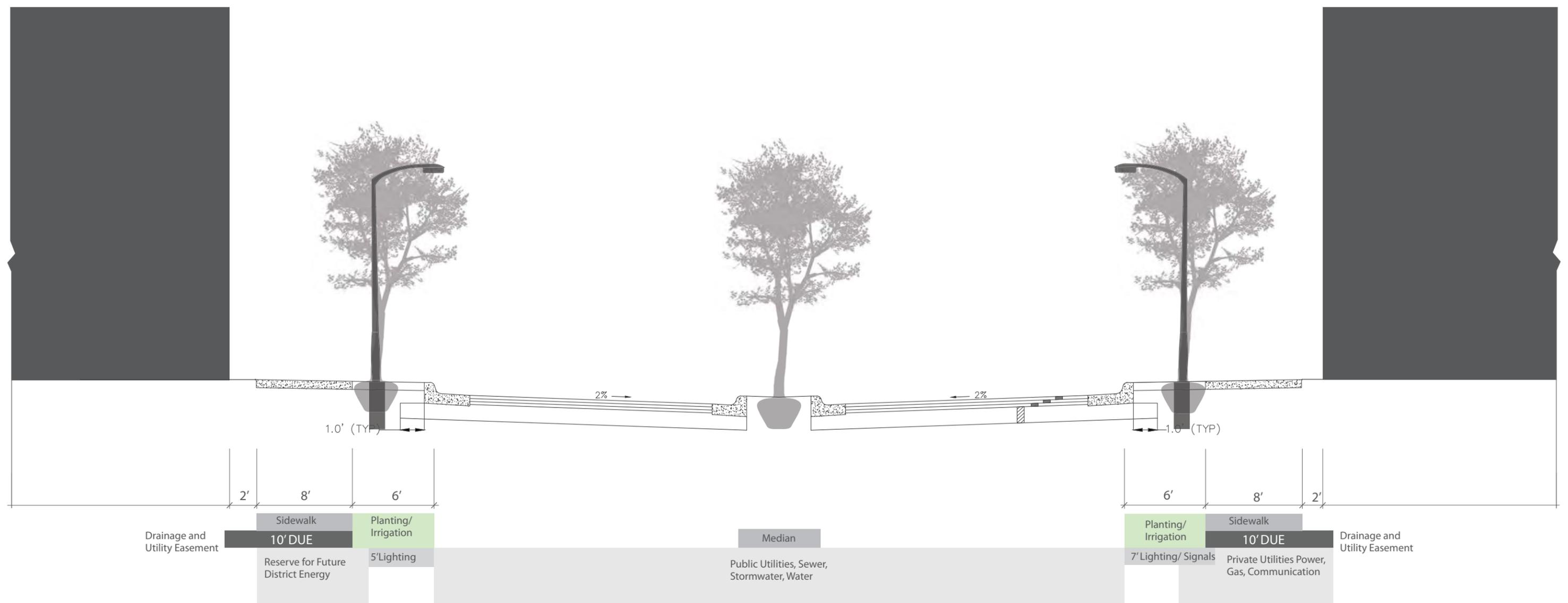
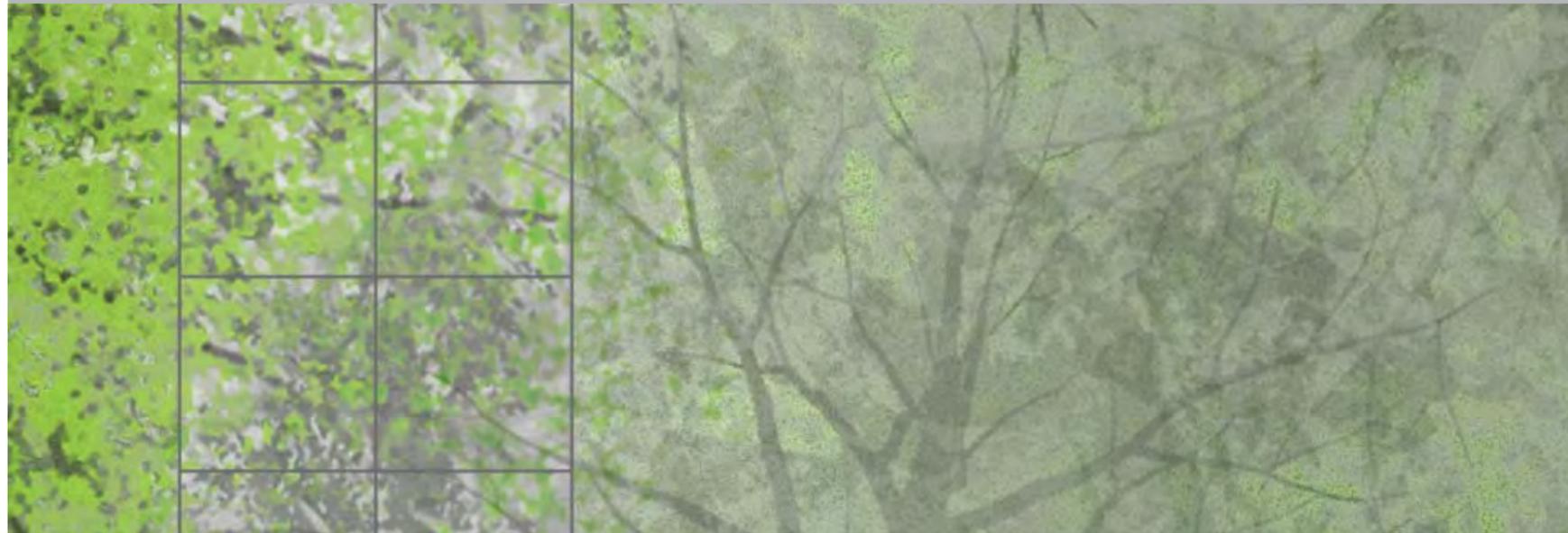


Figure 5.1 Sub surface cross section



Lighting Vocabulary

CHAPTER

Performance , Criteria, Source
High, Medium or Low Lighting
Accent or Landscape Lighting
Banner Poles, Banners or Applique

6

South Loop District Lighting
Proposed Street Lighting Types



Light Type 1

Figure 9.3



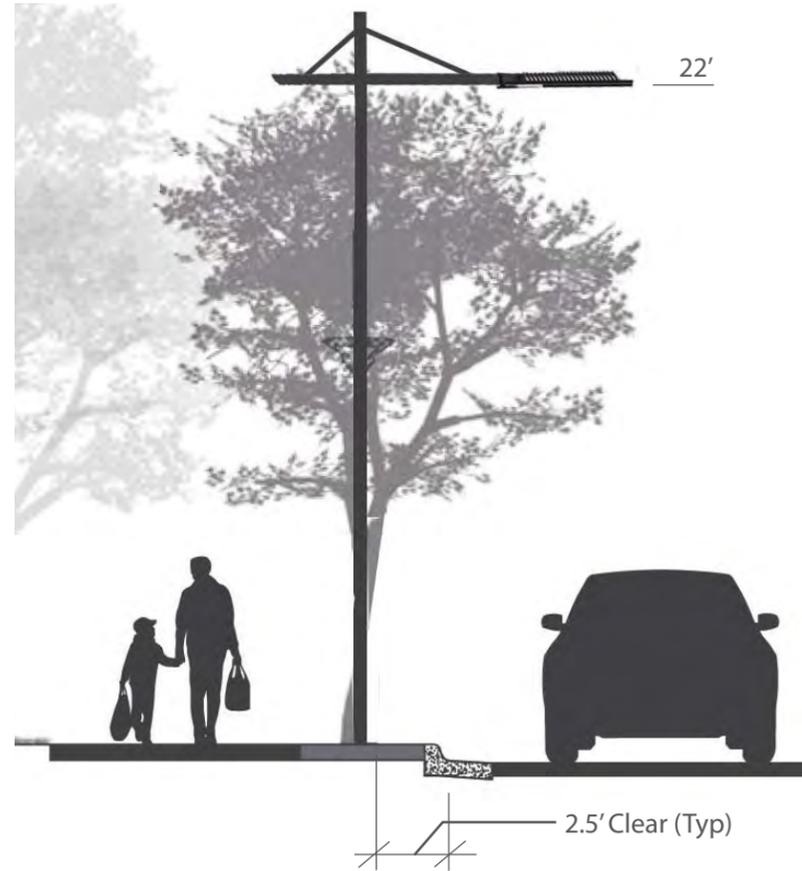
Light type 2B

Figure 9.4



Light Type 2B

Figure 9.5



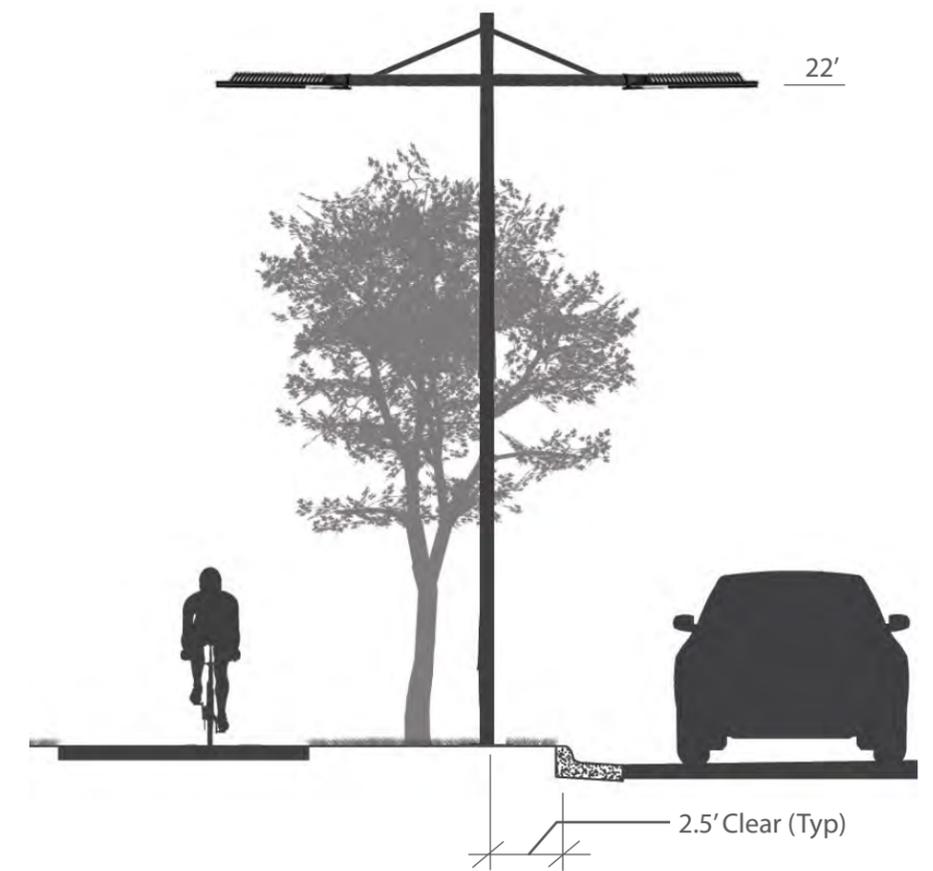
Lindau Link

Figure 9.6



Collector/Arterial Roads

Figure 9.7



*Alternative Option For Type 2A

Collector/Arterial Roads

Figure 9.8

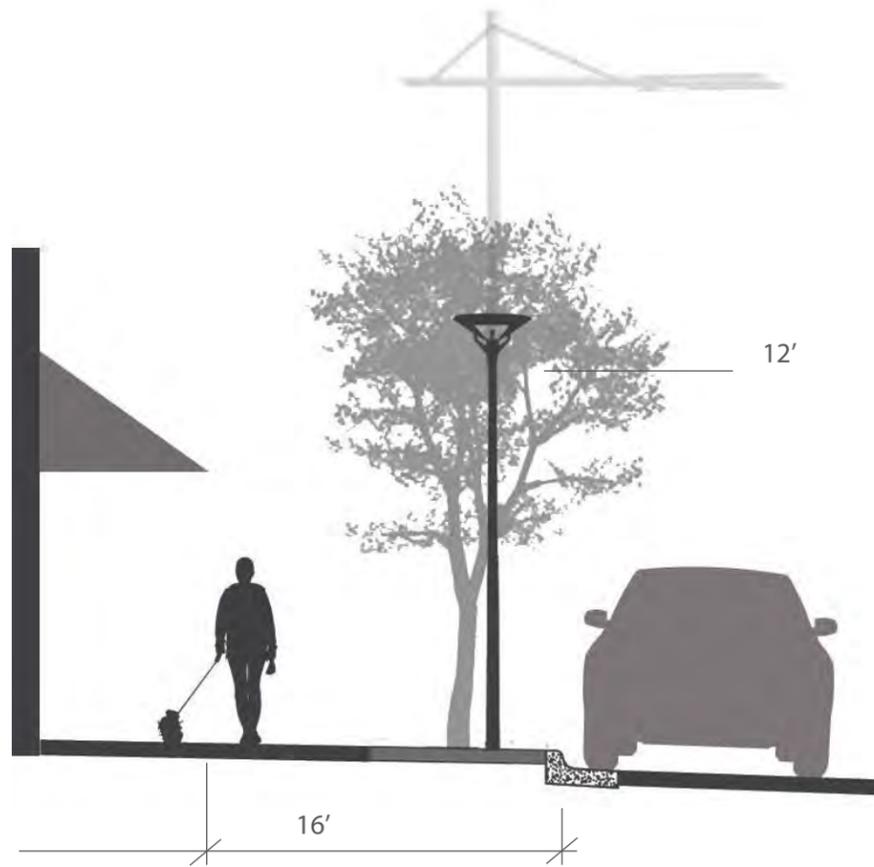
South Loop District Lighting - Proposed Pedestrian Lighting Types



Light Type 3A

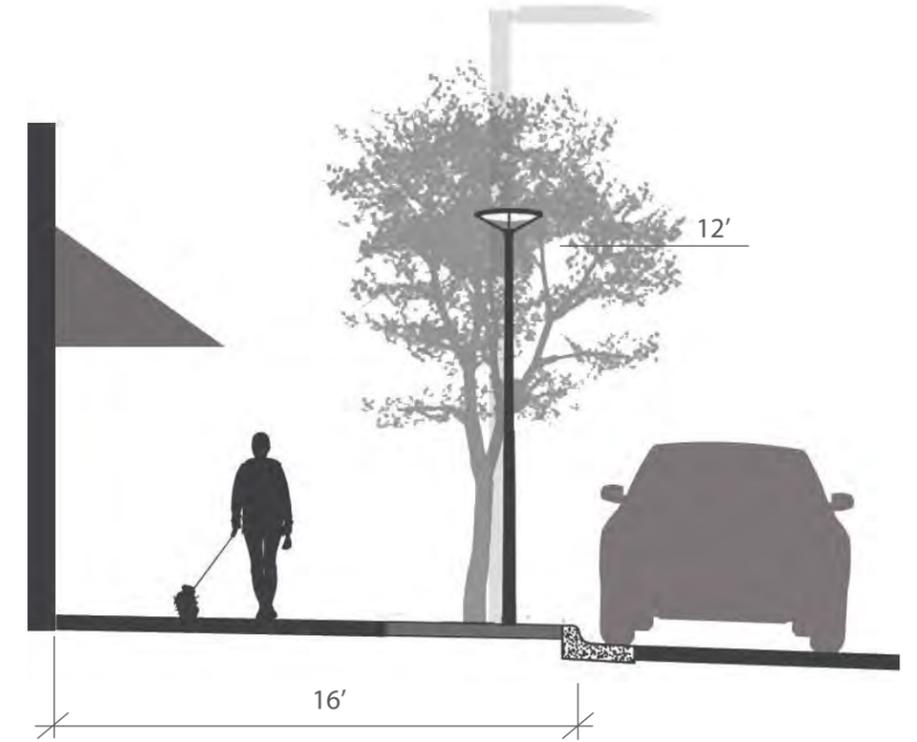


Light Type 3B



Lindau Link

Figure 9.9



Lindau Link

Figure 9.10

Objective

The special lighting types should be located in areas that highlight both places and objects. Lighting Types 4 & 5 are located in the gallery and mid-block crossing areas. They help to provide strong visual ties to the two sides of the streets. The Type 5 fixture is located in the pavement under street trees. Type 4, 5, & 6 are found only on the Lindau Link.

The Type 4 fixture has the ability to change color, providing the opportunity for event and seasonal applications. Its familiar style and material ties Lindau Link to the park at BCS.

The Type 5 fixture is a bollard that provides nighttime safety as well as daytime scale and security for pedestrians waiting to cross at the mid-block. Materials and style of this bollard land within the family of furniture and other lighting types within the District.

The Type 6 fixture is an inground fixture intended to light the underside of all trees in the boulevard and specific trees in the median. The dramatic effect helps establish a rhythmic pattern along the street and the residual light will help create an ambiance at a pedestrian scale.

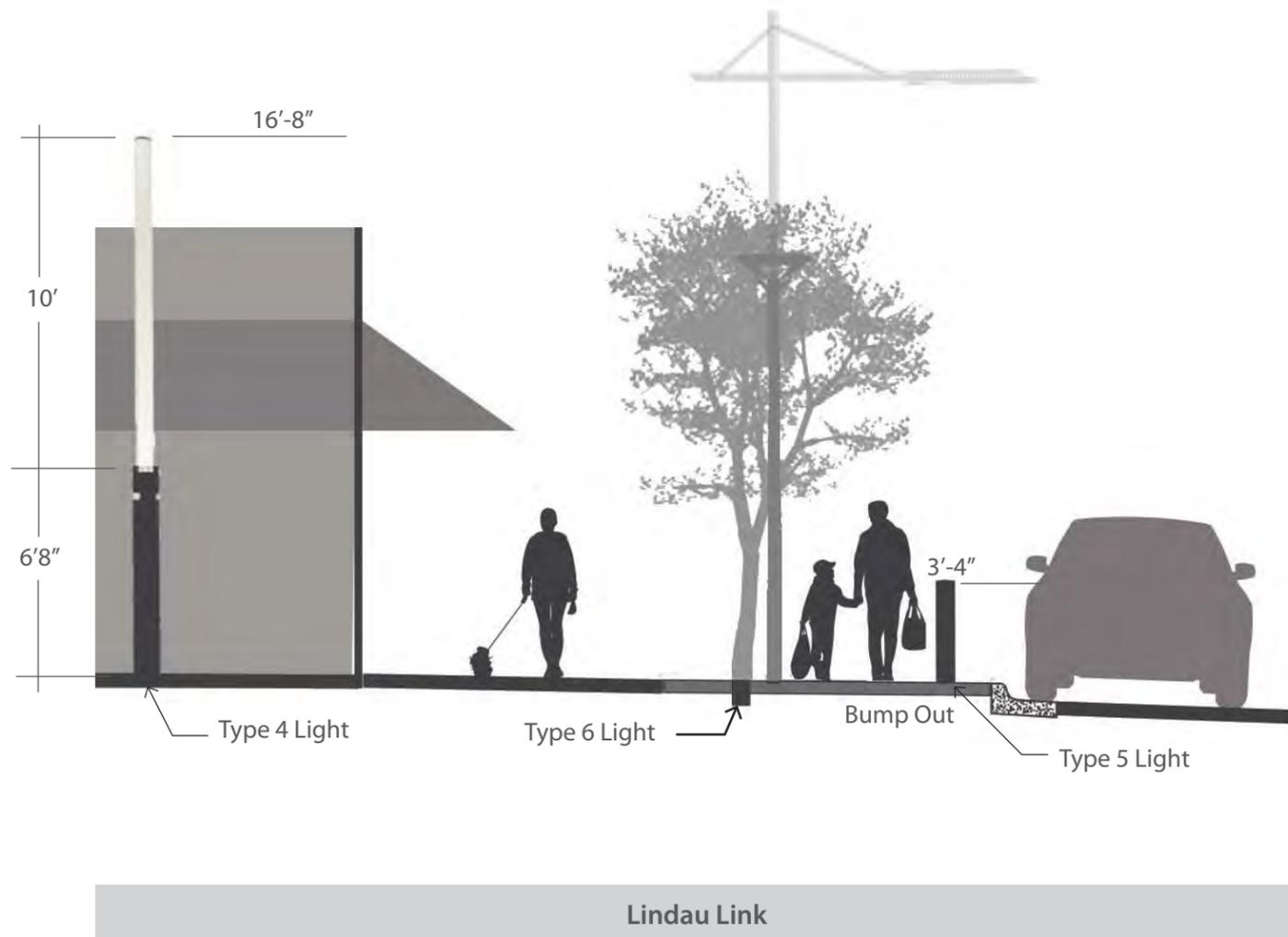


Figure 9.11

Targeted Light Levels and Uniformity Ratios

Roadway Classification	R4		Uniformity avg/min
	Foot-candles	Lux	
Intermediate Collector & Arterial	0.07	8	4:1

Figure 9.12

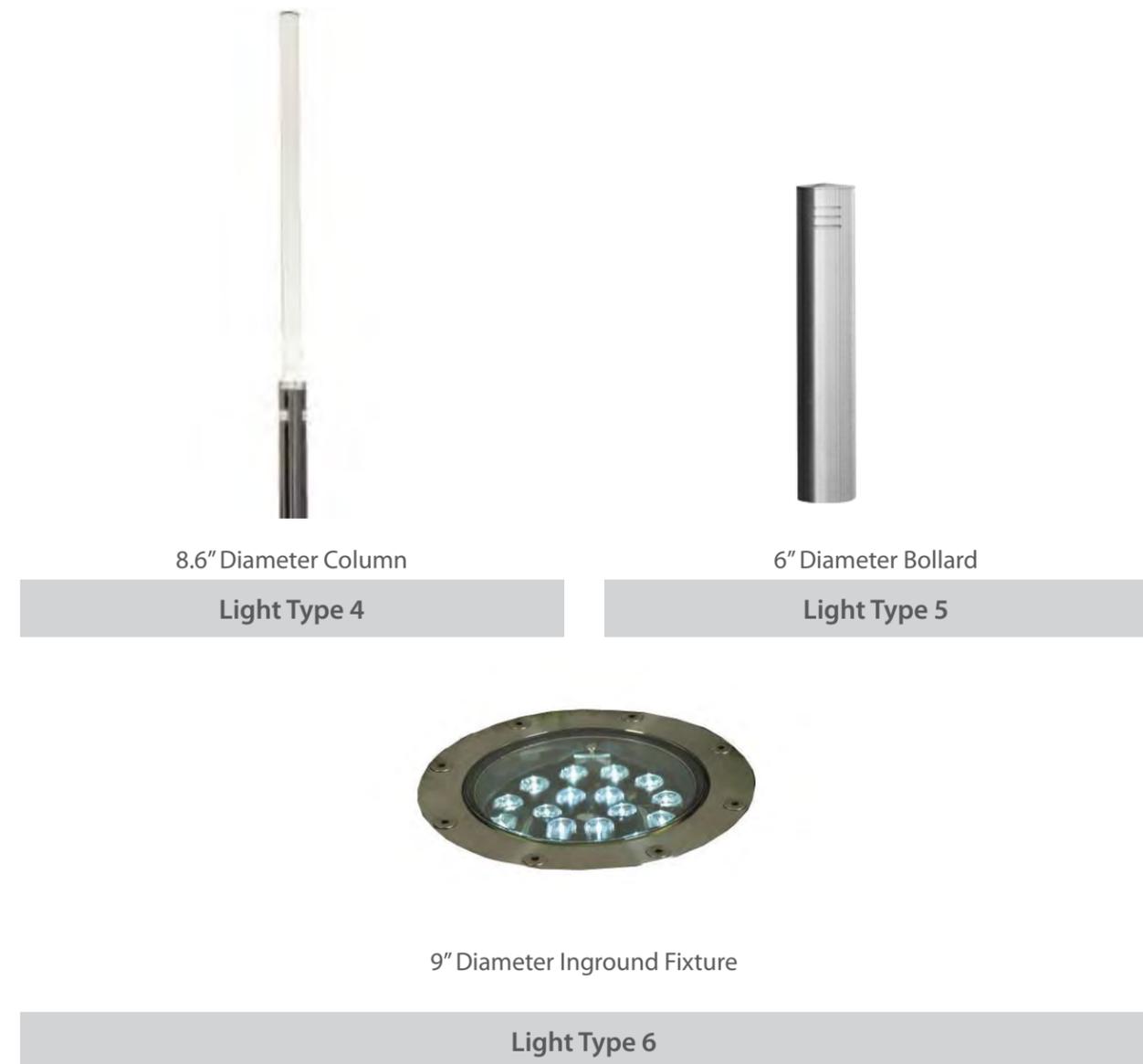
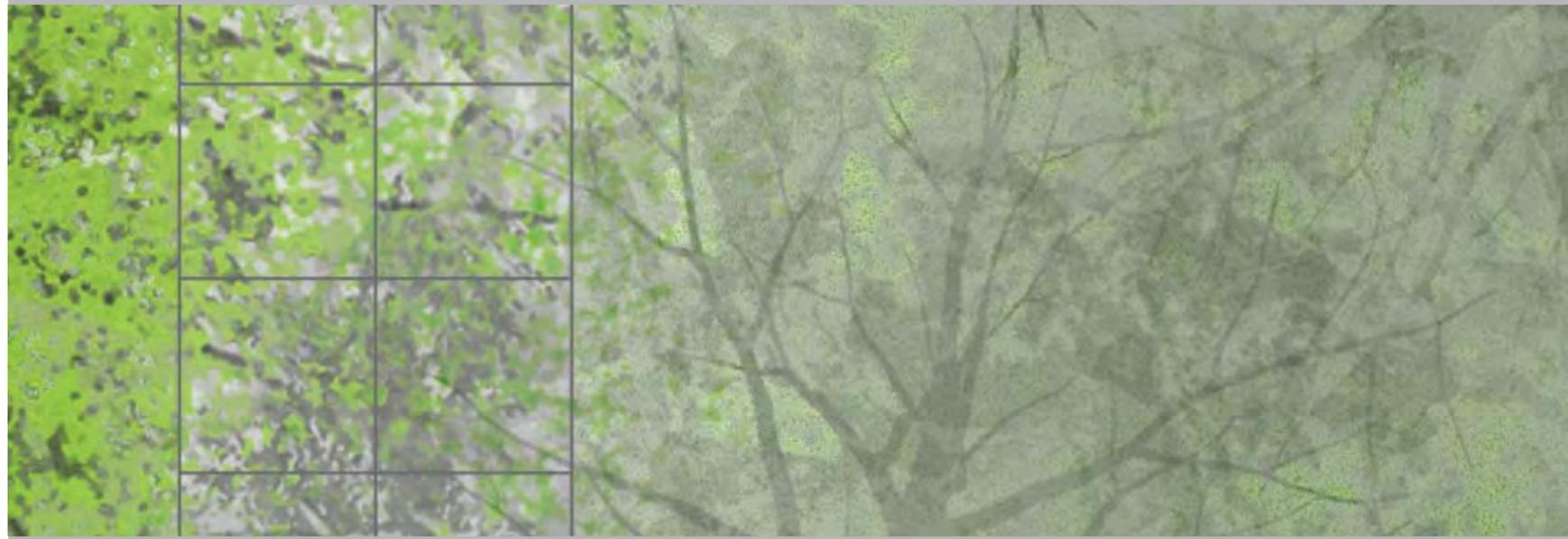


Figure 9.13



Design Vocabulary

CHAPTER

7

Overview and Intent
Flatwork Materials, Patterns and Colors
Furniture Vocabulary
Transit Shelters, Bench, Trasher, Recycling, Bollard, Pots, Planters, Bike Racks
Retaining Walls (Precast and Modular)

Contemporary
Architectural Energetic
Bold Memorable
Sustainable Simple
Simple Lines **Urban**
Fresh Timeless
Identifiable Clean Lines
Durable **Vibrant**
Strong Express Materials
Monochromatic **Neutral**



Scored Concrete



Fiberglass Planter (Silver Metallic Finish) Victor Stanley, INC.



Ornamental Grasses



Concrete Pavers



Ornamental Grasses



Brushed Steel



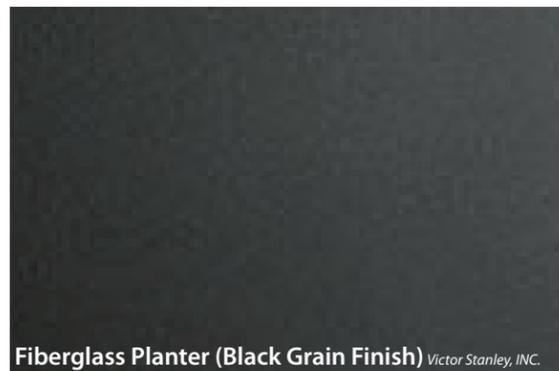
Granite Pavers Tile Tech Pavers



Annuals and Perennials



Plank Pavers



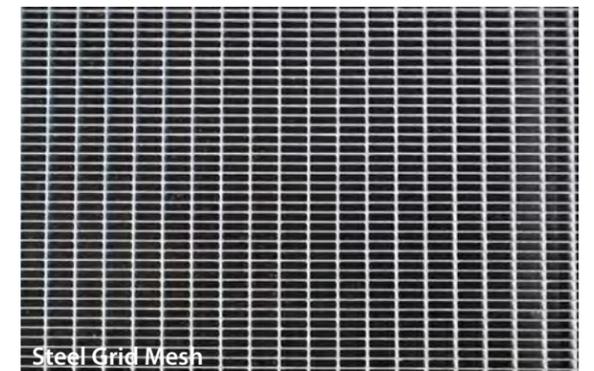
Fiberglass Planter (Black Grain Finish) Victor Stanley, INC.



Pavers with Custom Pattern



Annuals and Perennials



Steel Grid Mesh



Anodized Aluminum



Colored Concrete



Annuals and Perennials



Expystone Pavers Wassau Tile Pavers



Turf

Figure 7.1 Design vocabulary and materials matrix



Benches

- ParcVue Bench**
- Brushed metal
 - Seamless shape



- Austin Bench**
- Wood and metal
 - Clean, simple lines
 - Back or backless



Bike Racks

- Standard U Rack**
- Metal
 - Simple shape



- Emerson Bike Rack**
- Brushed metal
 - Simple, contemporary shape
 - Upright, vertical form



Bollards

- Annapolis Bollard**
- Metal
 - Internal light



- Annapolis Bollard**
- Metal



Shelters

- Updated Shelter**
- Metal and glass
 - Clean lines, geometric forms
 - Opportunity for public art



- Metro Transit Shelter**
- Metal and glass

Figure 7.2 Site furniture



Trash/Recycling

Poe Trash Receptacle

- Brushed metal
- Clean, vertical lines



Retaining Walls

- Cast in place
- Modular block with precast cap
- Natural stone



Pots

Sorella Planter

- Metal
- Sleek, clean, simple
- Various geometric shapes



Urban Planter

- Metal
- Square



Landscaping

Grade-level Plantings

- Accent annuals and perennials
- Varieties that are hardy and provide seasonal interest
- Irrigated



Landscape Medians

- Full size or ornamental trees
- Flowering shrubs
- Perennial flowers and grasses
- Hardy, salt resistant
- Irrigated



Paving

Colored Concrete and Scoring

- Patterns and wayfinding
- Simple, geometric patterns and forms



Pervious Pavers

- Patterns and wayfinding
- Simple, clean lines
- Allow water to infiltrate

Figure 7.3 Site furniture



Stormwater Provisions CHAPTER

8

Overview

Stormwater Regulations Summary

Potential Best Management Practices Toolbox

Potential Treatment Devices

Best Management Practices Application Matrix

Cross Sections with Potential Treatment Device Applications

Primarily Underground

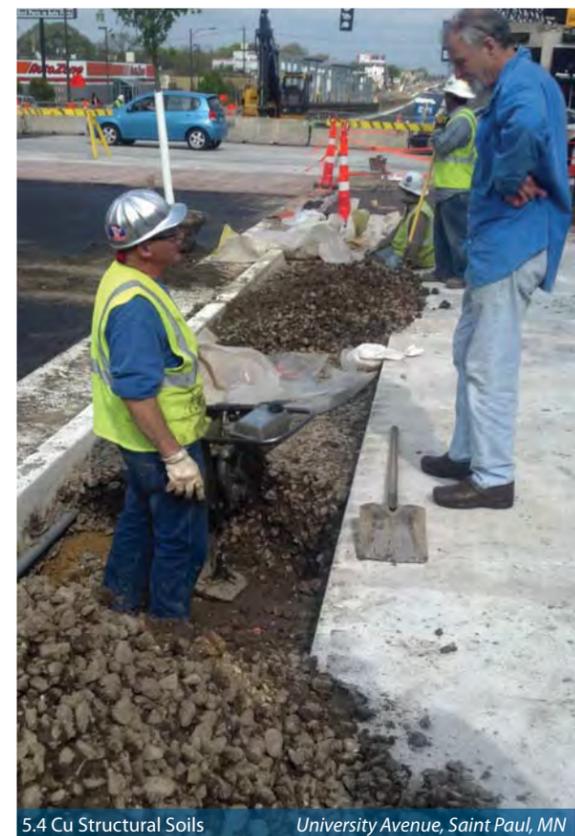
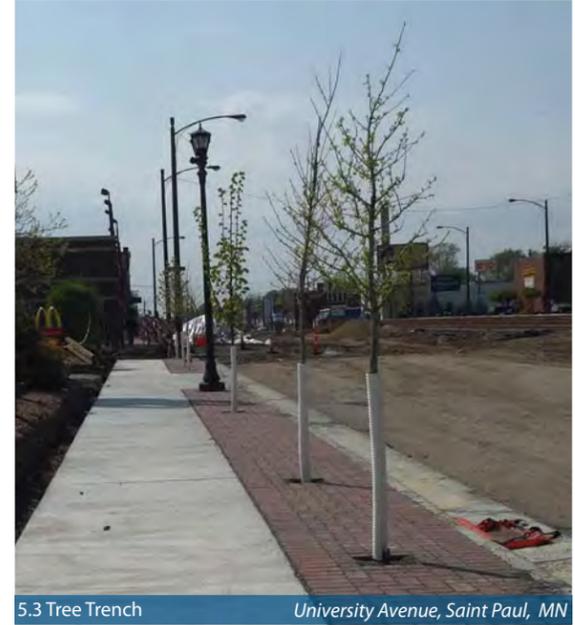
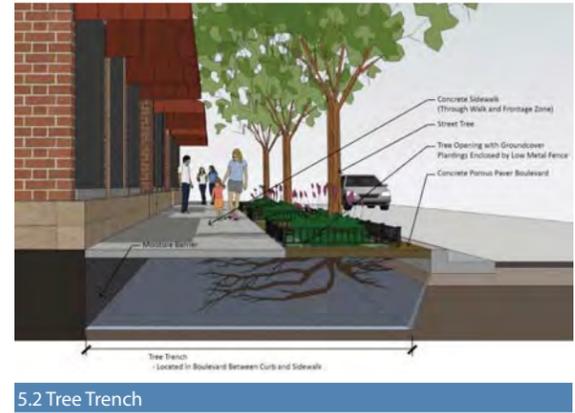
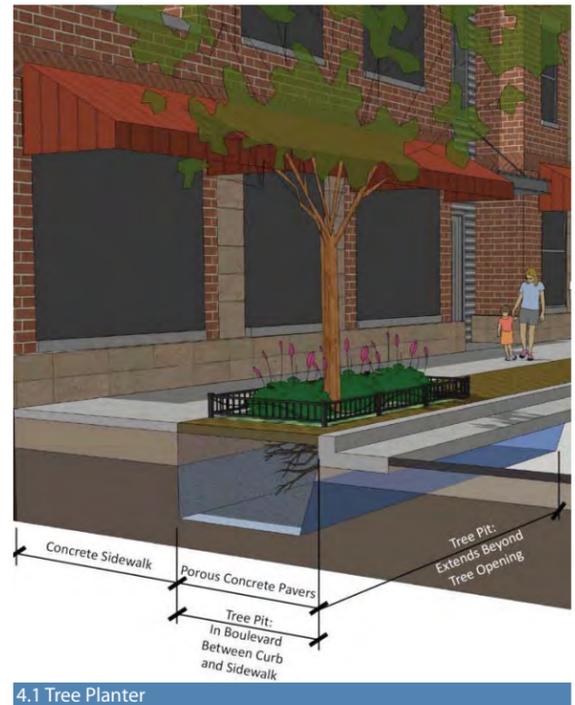
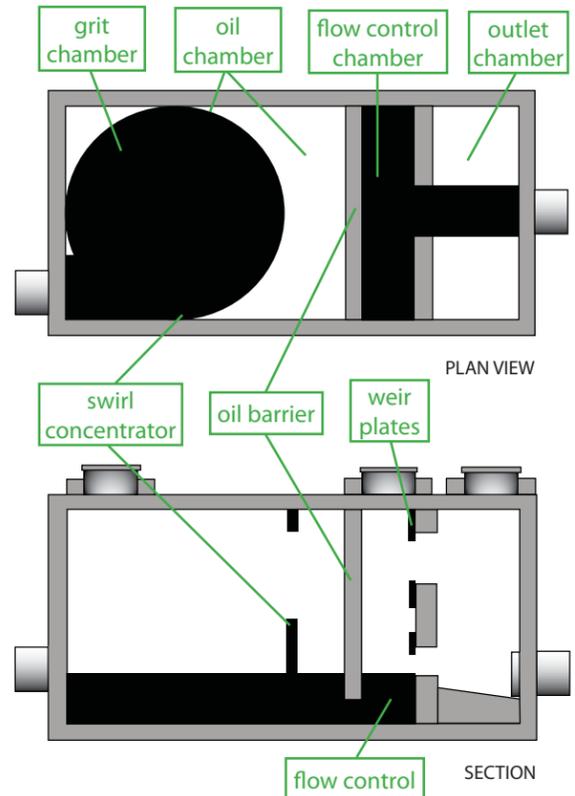


Figure 8.1 Primarily Underground Stormwater Treatment Devices Examples

Stormwater Provisions

Potential Treatment Devices

Primarily Above Ground

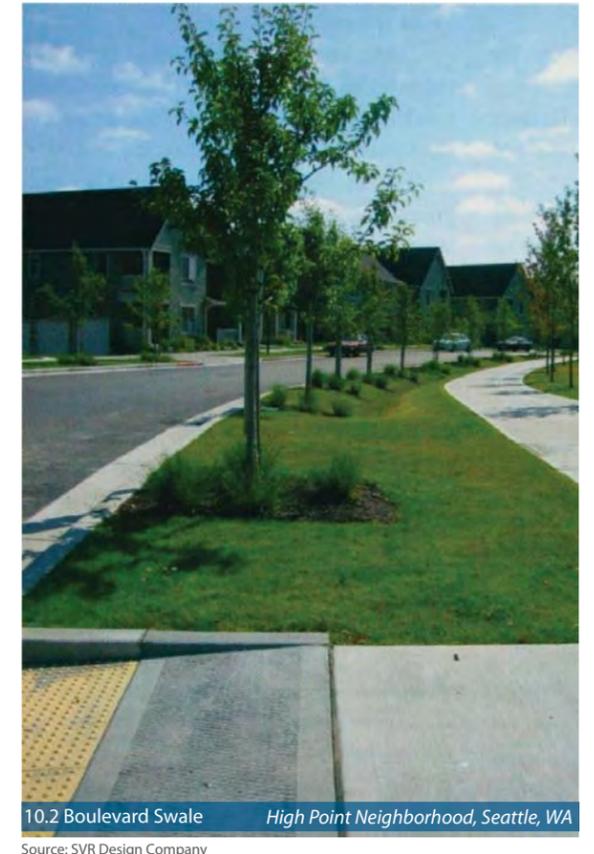
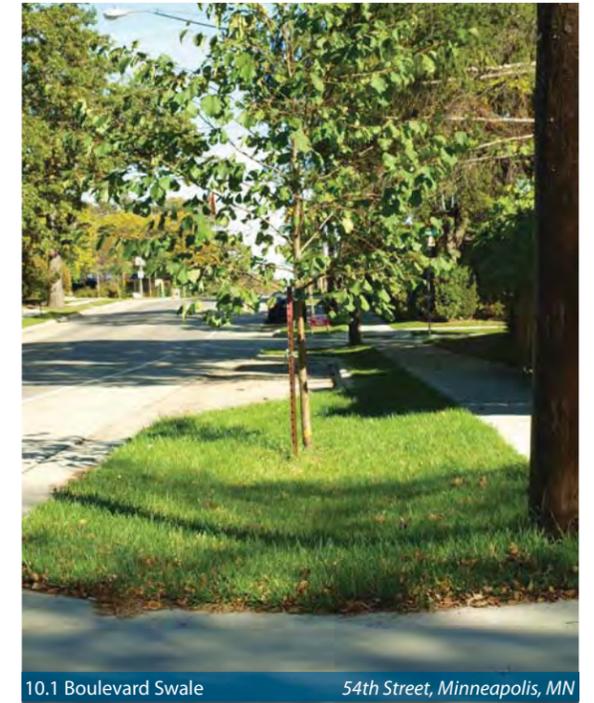
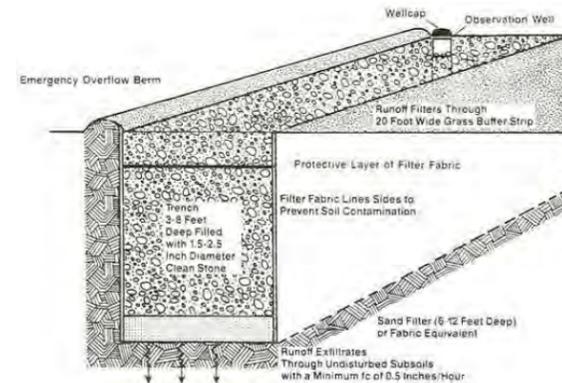
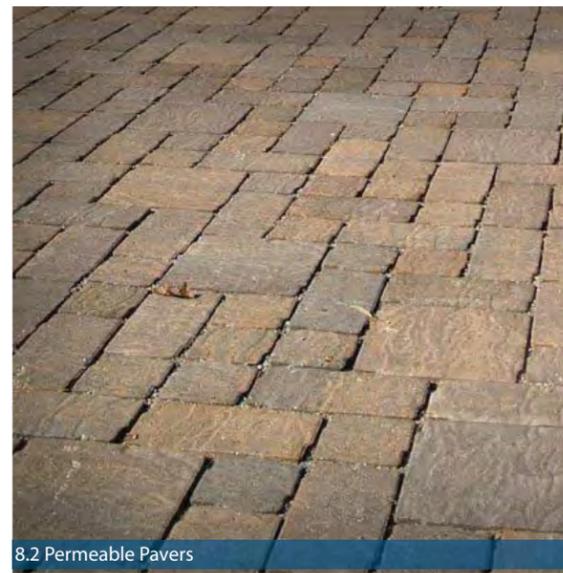
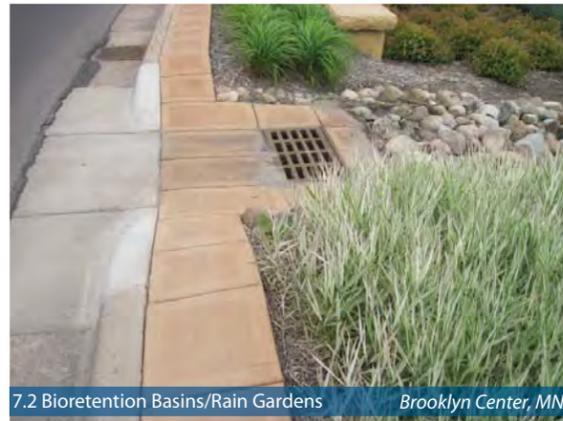


Figure 8.2 Primarily Above Ground Stormwater Treatment Devices Examples

Other Pretreatment/Public - Private

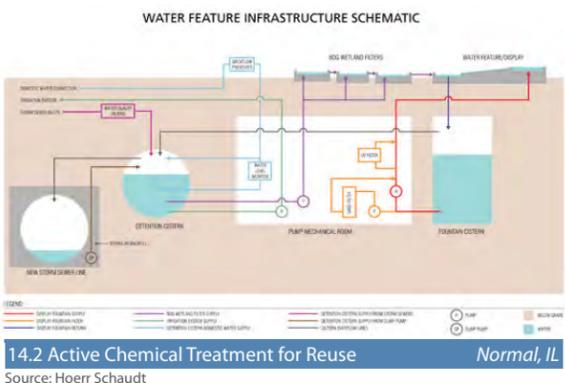
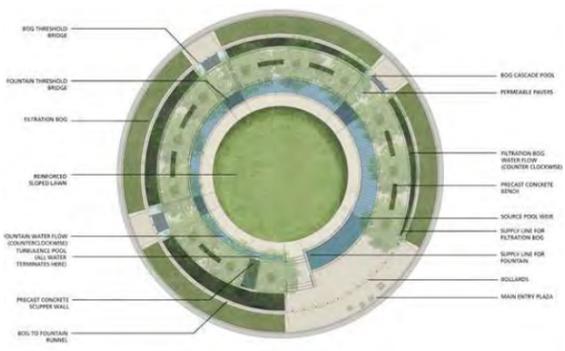
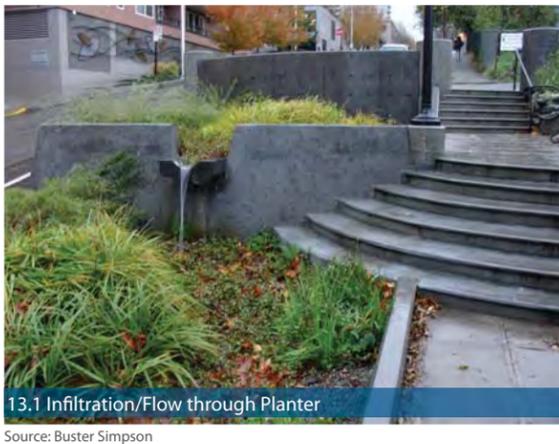


Figure 8.3 Other Pretreatment/Public - Private Stormwater Treatment Devices Examples

Stormwater Provisions

Primary Arterials 24th Avenue



Potential Treatment Devices

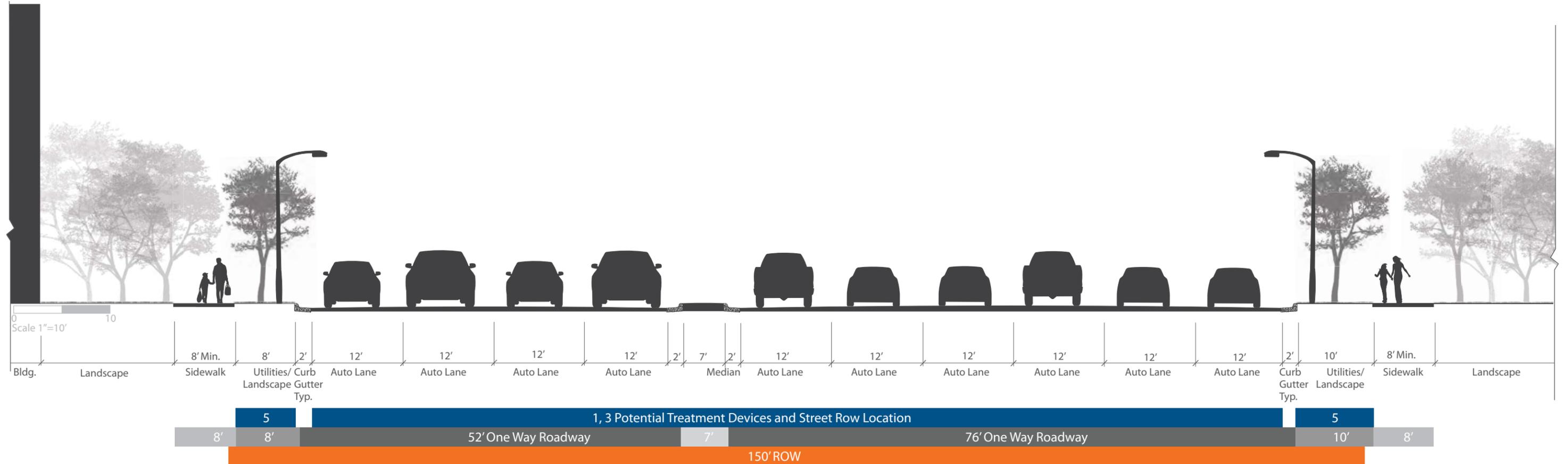


Figure 8.5 Potential Stormwater Treatment Devices for 24th Avenue

Potential Treatment Devices



1 Underground Infiltration



3 Underground Detention



7 Bioretention Basin



9 Infiltration Trench

Stormwater Provisions

Primary Arterials American Boulevard (West of 24th Street)

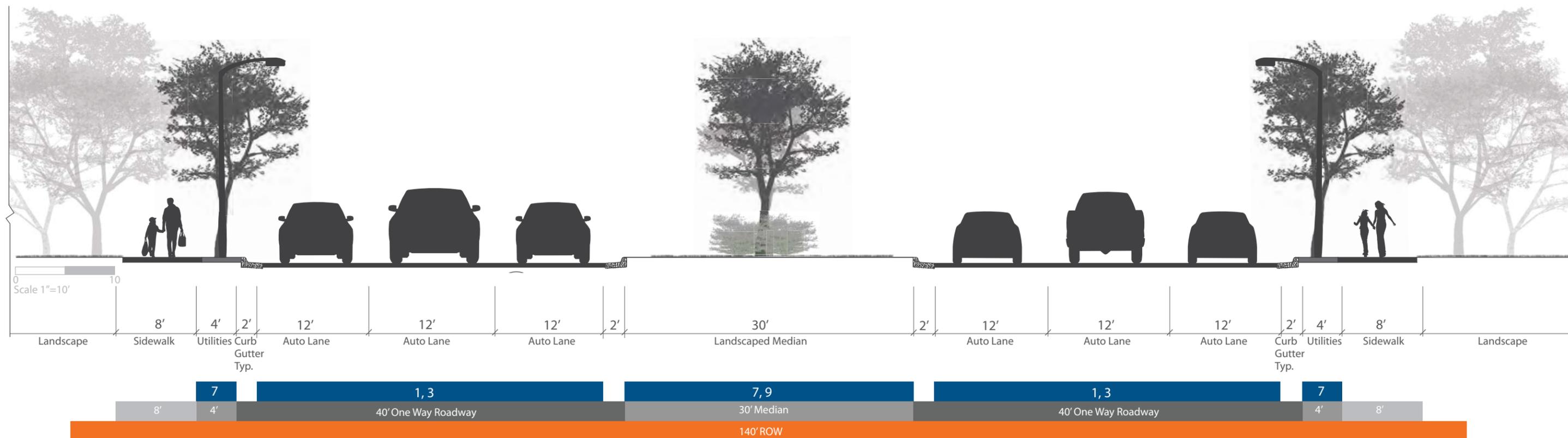
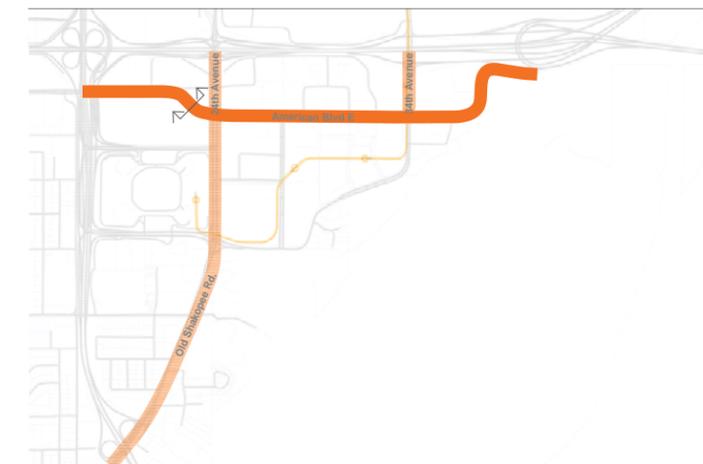
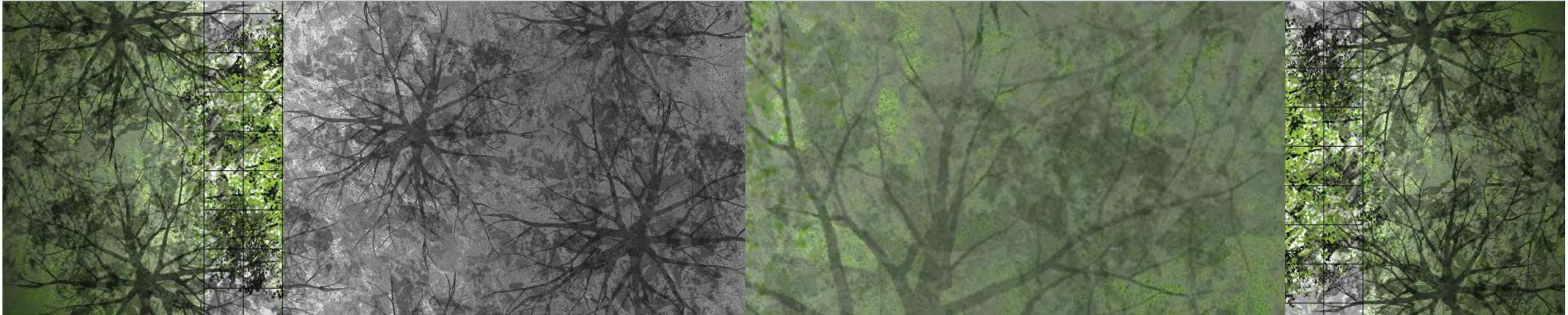


Figure 8.6 Potential Stormwater Treatment Devices for American Boulevard



Trees and Landscaping CHAPTER

9

Tree Planting Options

Tree Species, Sizes

Tree Planting Details

Irrigation

Shrub and Perennial Massing, Species

Trees and Landscaping



B. Trees in structural soils with pavers



C. Trees in structural soils with open surface



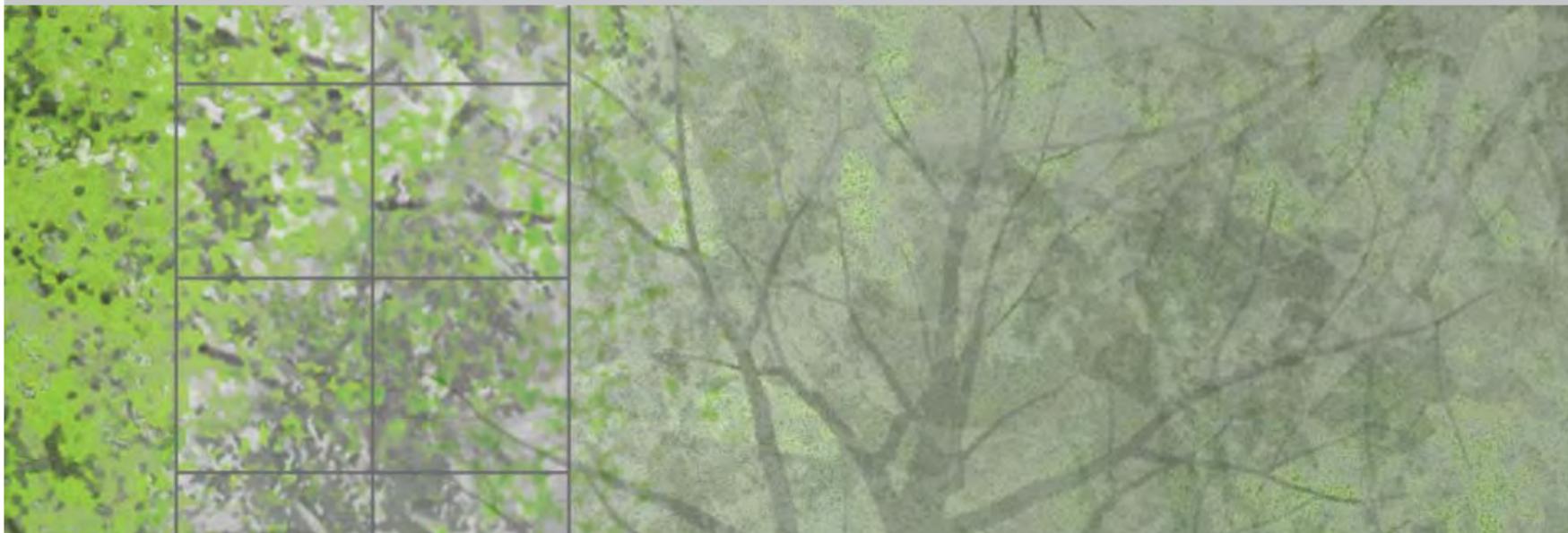
D. Trees in structural soils with tree grate



E. Tree trench using structural soils, permeable pavers, and tree grates

A.

Figure 9.1 Various conditions for tree planting



Wayfinding Provisions CHAPTER

Signing, Kiosks, Entrance or Gateway Signing

10



Figure 10.1

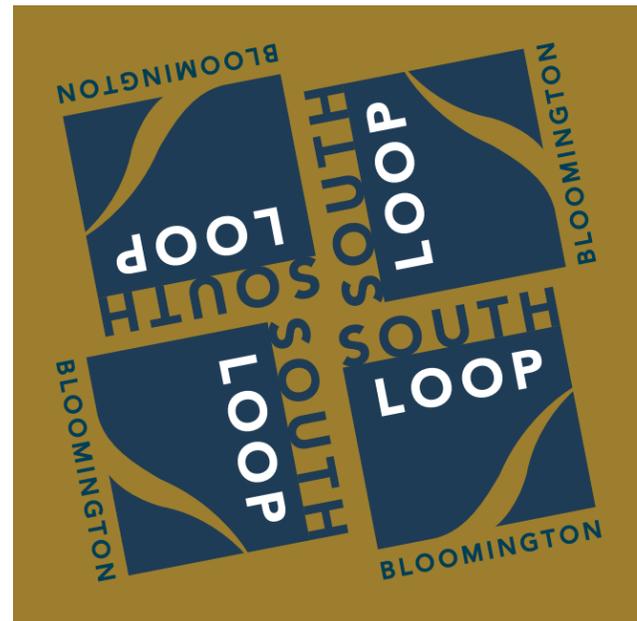


Figure 10.2

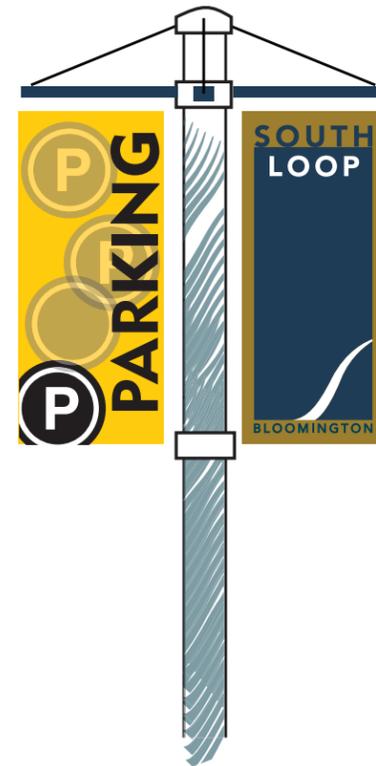


Figure 10.3



Figure 10.4

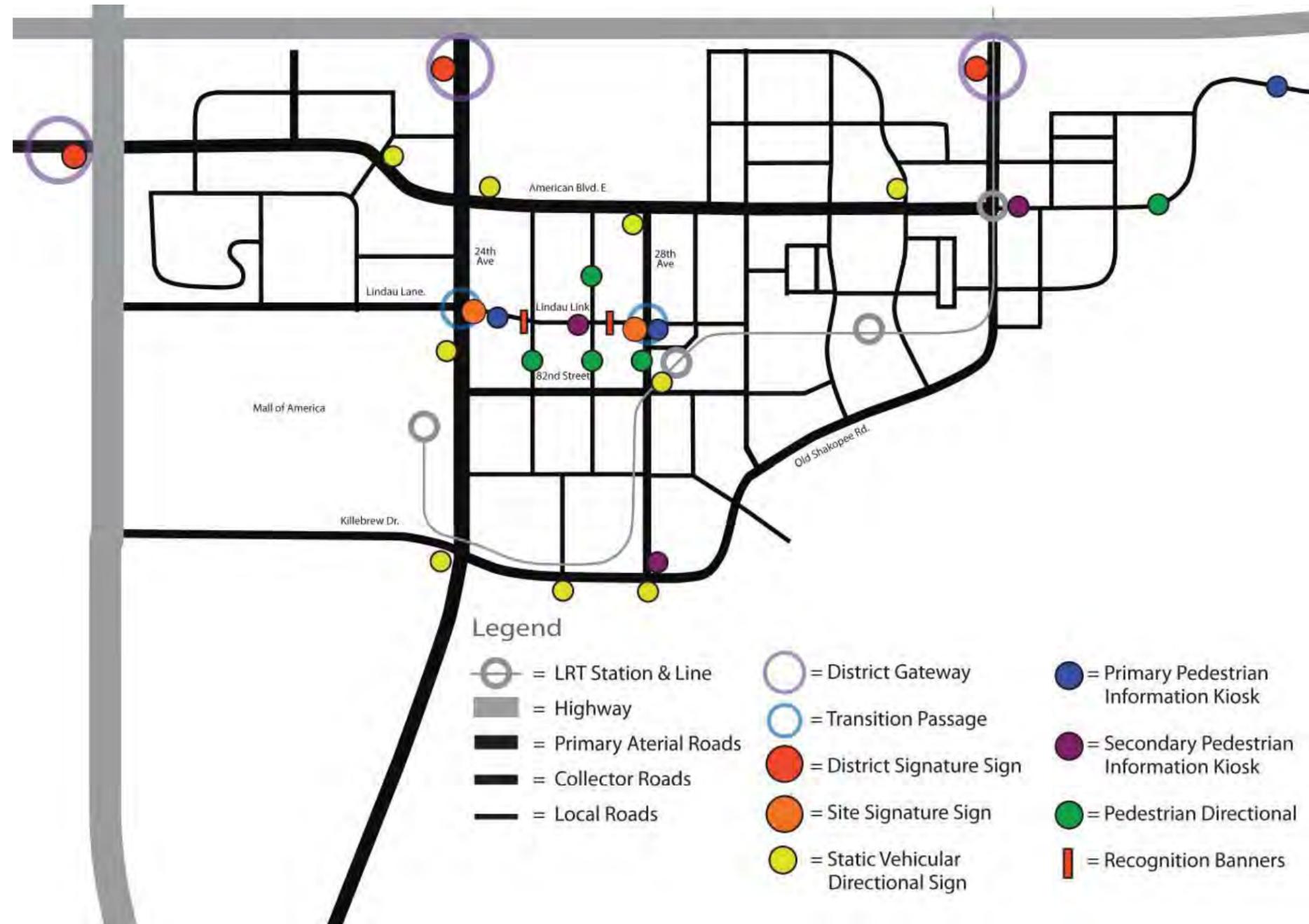


Figure 10.5

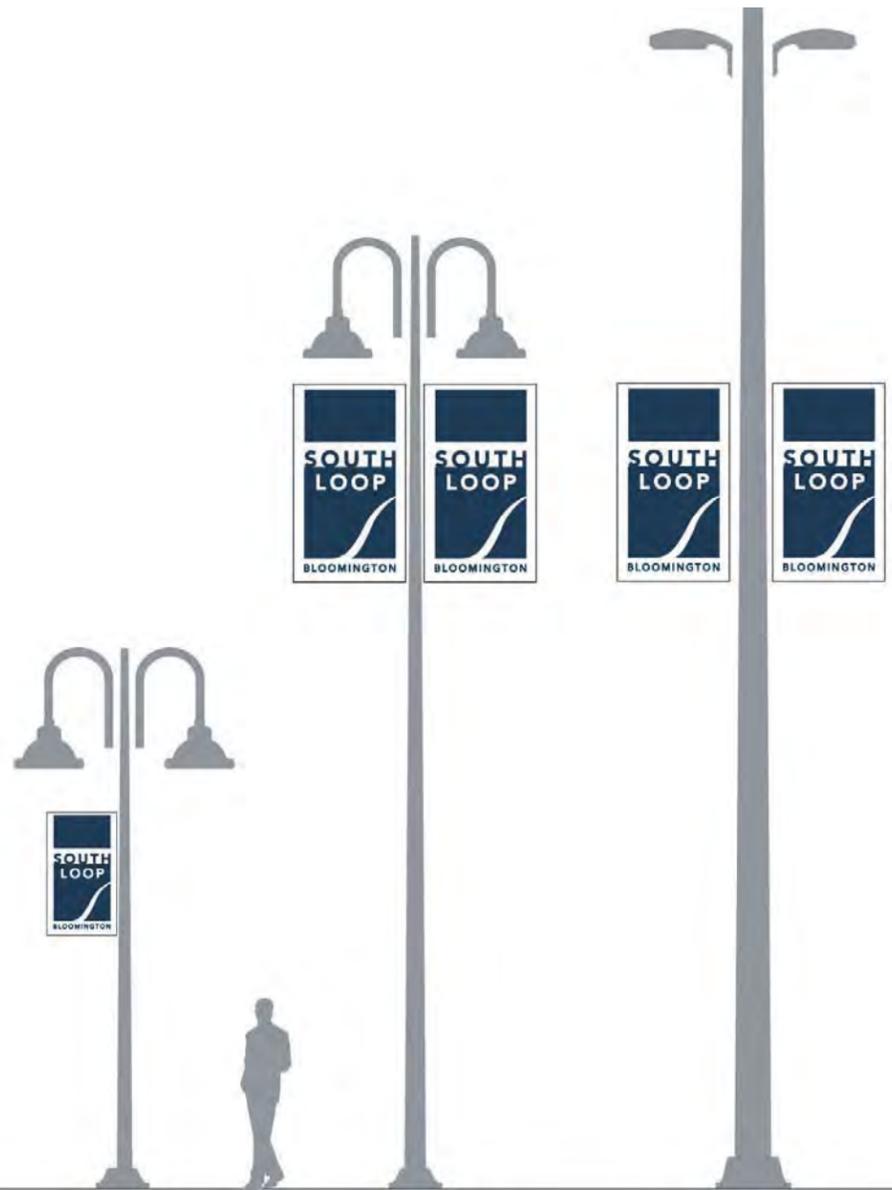


Figure 10.9 Recognition banners

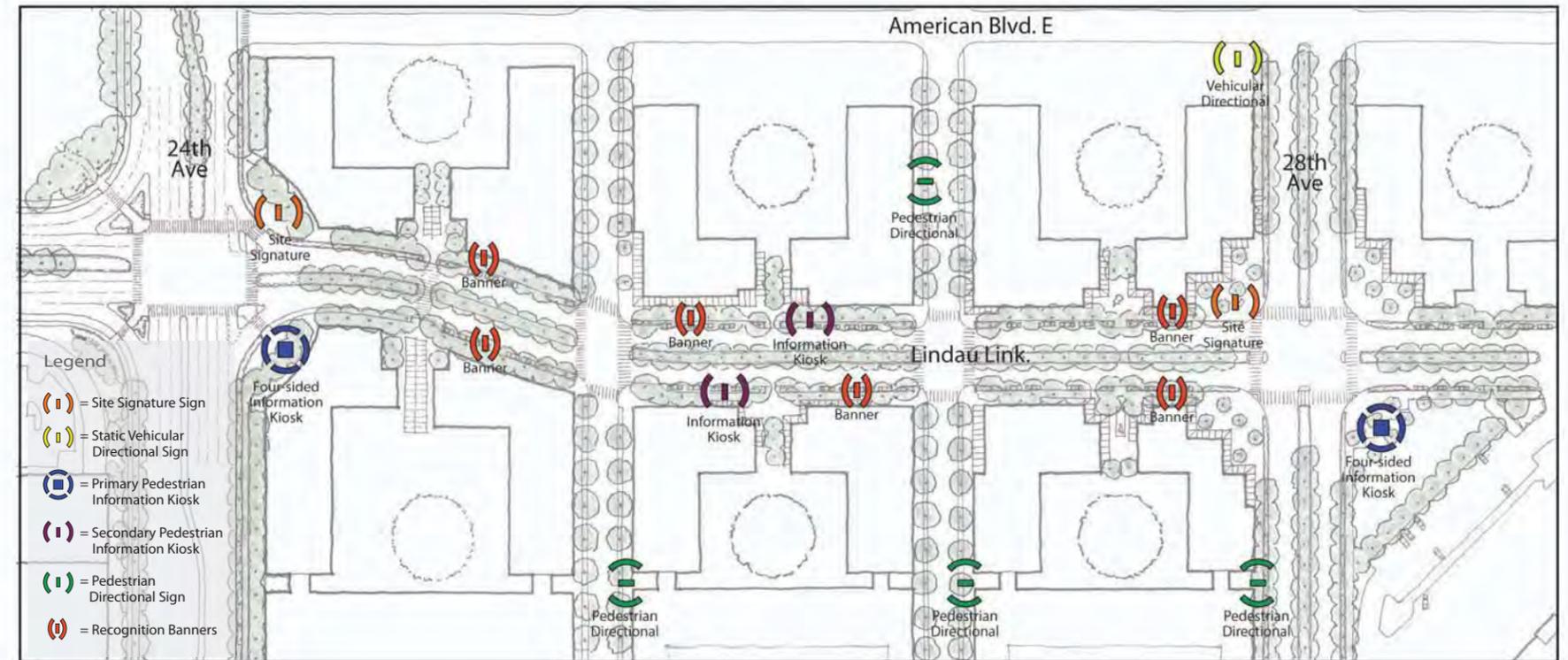


Figure 10.10 Sign locations



Jody Porto, Phoenix, AZ



Everyday Poems for City Sidewalk, Saint Paul, MN



Jill Sebastian, Madison, WI



Michael Mercil, Saint Paul, MN

Public Art CHAPTER

Purpose and Intent
Locations, Type, Examples
Provisions for Maintenance
Special Features

11



Plan Key

- Events, Activities, Temporary Works
- District Gateways
- Vehicular/Pedestrian Transition Passages
- Streetscape Ensemble of Integrated Elements
- Gathering/Multi-Use Spaces

Figure 11.1 Public Art Opportunities - District Wide Diagram

Public Art Opportunities

Illustrated Plan Key

District Gateways

Vehicular/Pedestrian Transition Passages

Streetscape Ensemble of Integrated Elements

Gathering/Multi-Use Spaces

Events, Activities, Temporary Works



Cliff Garten. Avenue of Light, Houston, TX.



Artist Unknown. United Kingdom.



Siah Armajani. Minneapolis (MN) Sculpture Garden.



Artist and location unknown.



Jill Sebastian. State Street, Madison, WI.



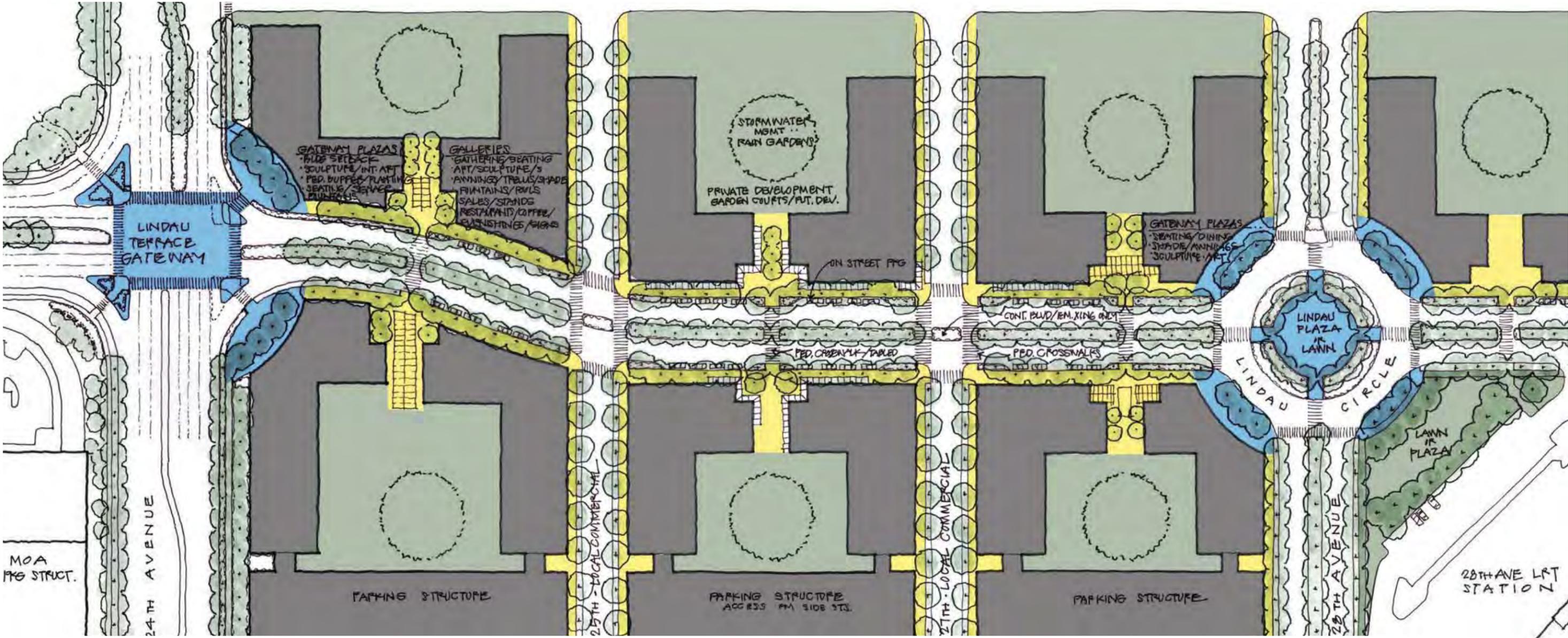
Robert Irwin. The Getty Center, Los Angeles, CA.



Maya Barkai. Construction fence mural. Re-construction, a public art program of the Downtown Alliance, New York, NY.

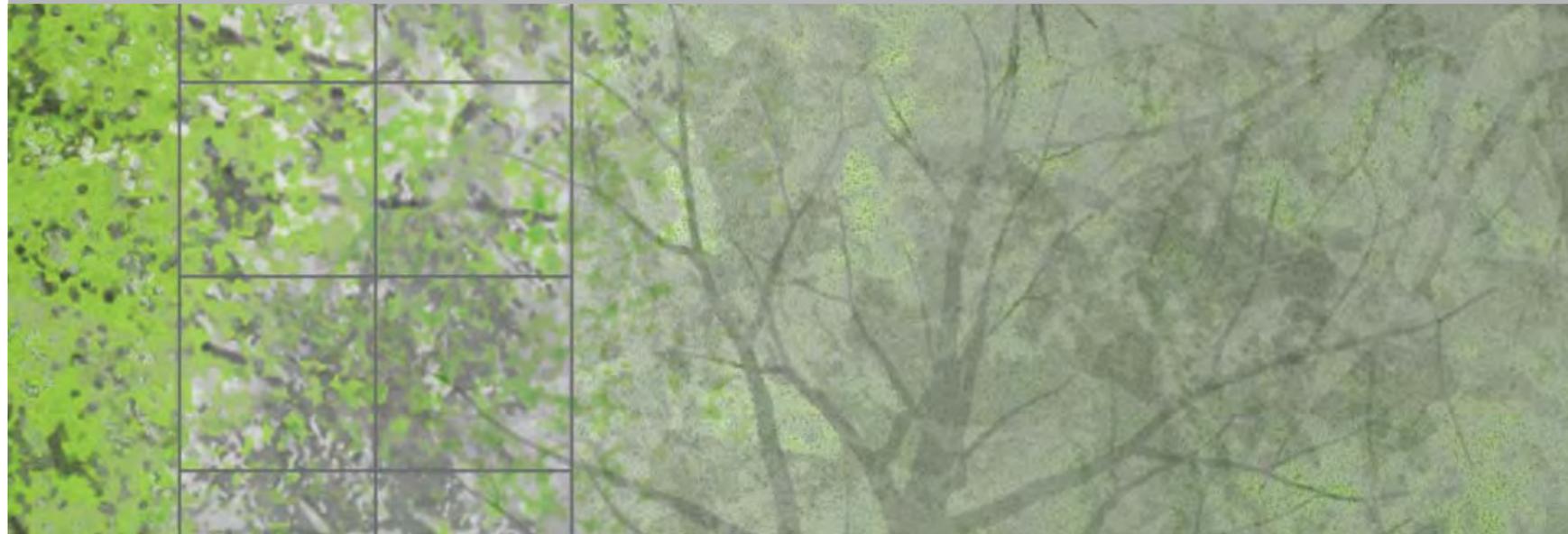


Dawn Wagner. Larimer Square Chalk Art Festival, Denver, CO.



- Detail Key
- Vehicular/Pedestrian Transition Passages
 - Streetscape Ensemble of Integrated Elements
 - Gathering/Multi-Use Spaces
 - Stormwater Amenities

Figure 11.3 Lindau Lane Detail Illustrated Plan



Plaza Concepts CHAPTER

12

- Introduction to Plaza and Public Open Spaces
- Identification of Plazas and Open Spaces
- Lindau Link Park and Open Space Concept
 - District Gateways
 - Public Plazas
 - Central Plazas
 - Courtyards and Galleries
- Civic Open Space and Private Development

Plaza Concepts

Lindau Link Park and Open Space Concept

TEXT HERE TO DISCUSS CONCEPT

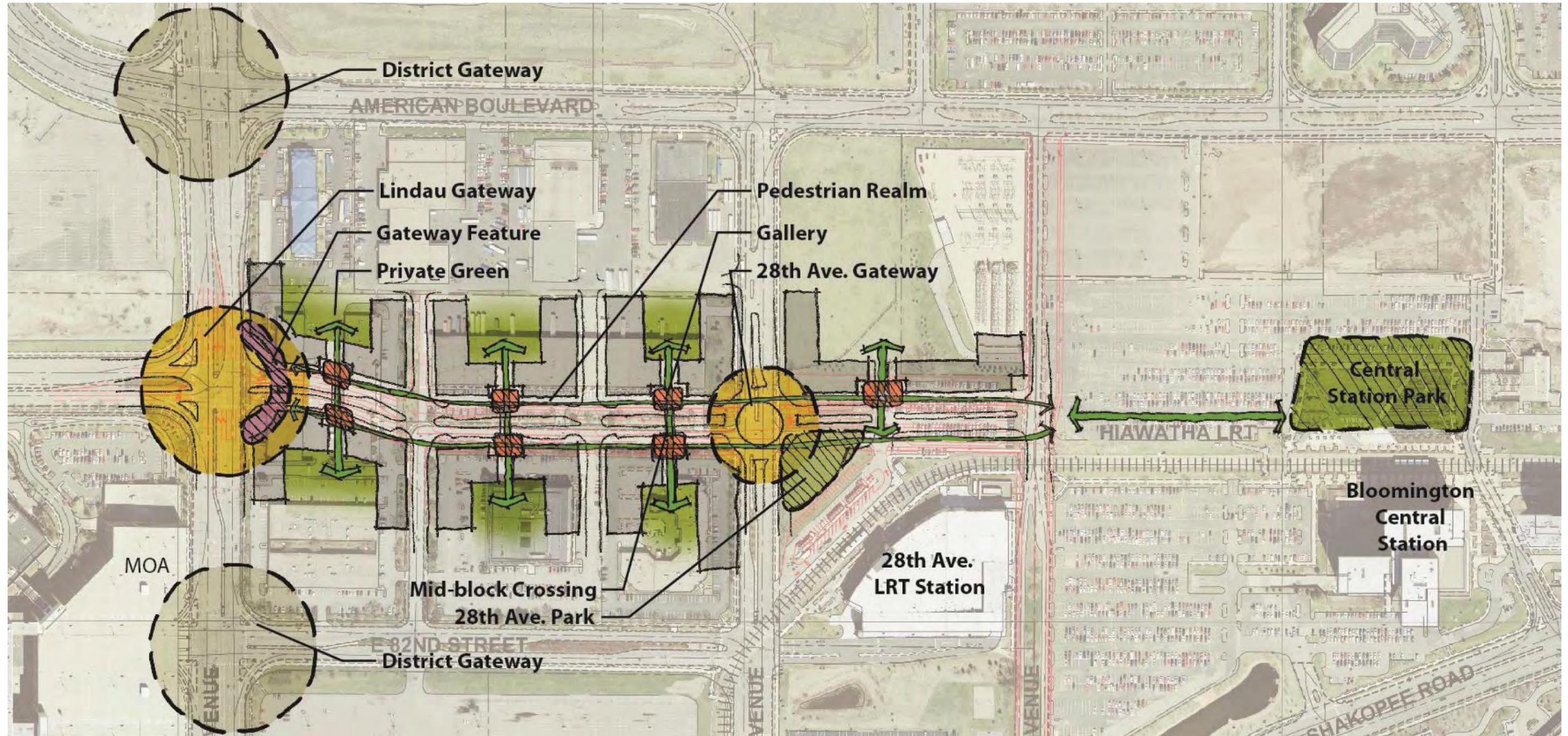


Figure 12.6 Plazas and public spaces

District Gateway Locations

- 24th Avenue at American Boulevard
- 24th Avenue at Lindau Lane
- 24th Avenue at 82nd Street
- 24th Avenue at Killebrew Drive
- 34th Avenue at American Boulevard

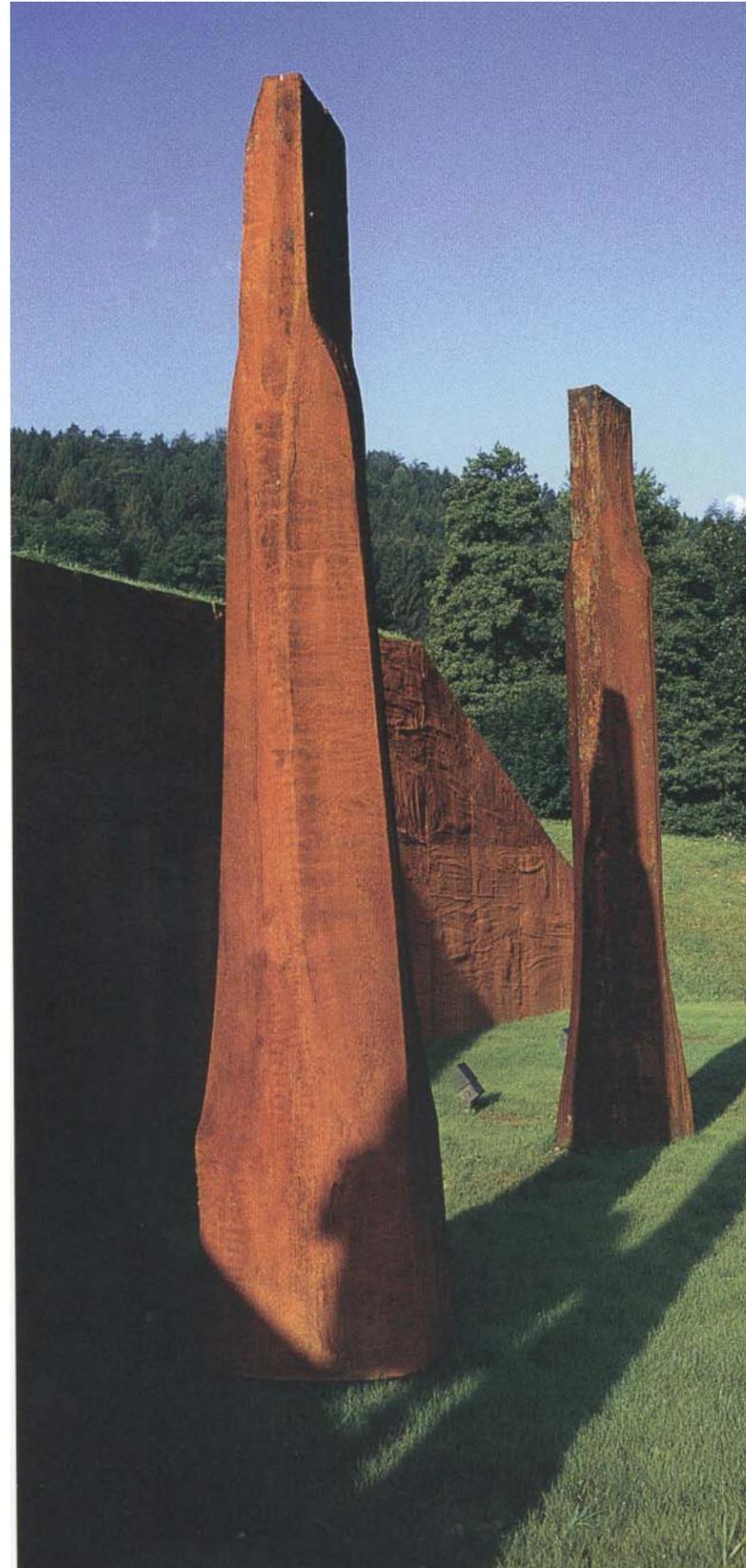


Figure 12.8 Beverly Pepper sculpture



Figure 12.9 Cox Singapore Plaza



Figure 12.7 Fukuoka Lanterns



Figure 12.10 Nicollet Commons

Plaza Concepts

Public Plazas

- Building Setback
- Sculpture / Public Art
- Pedestrian Buffer
- Planting
- Seating
- Signage / Wayfinding
- Fountain
- Public Amenities / Furnishing

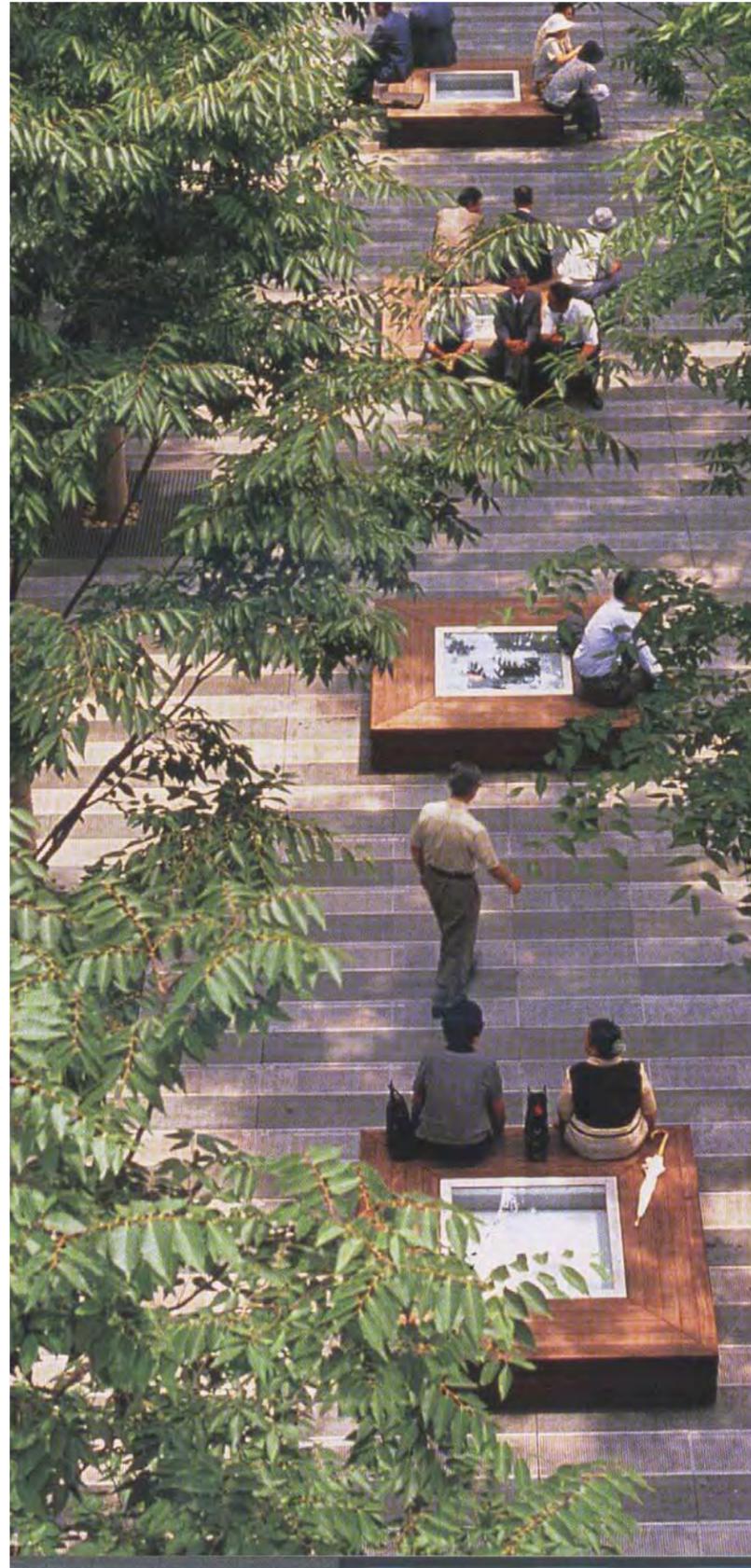


Figure 12.16



Figure 12.14 Peace plaza



Figure 12.17

Figure 12.15

Central Plazas

- Seating / Dining
- Shade / Awnings
- Sculpture / Public Art
- Iconic Sculpture within roundabout

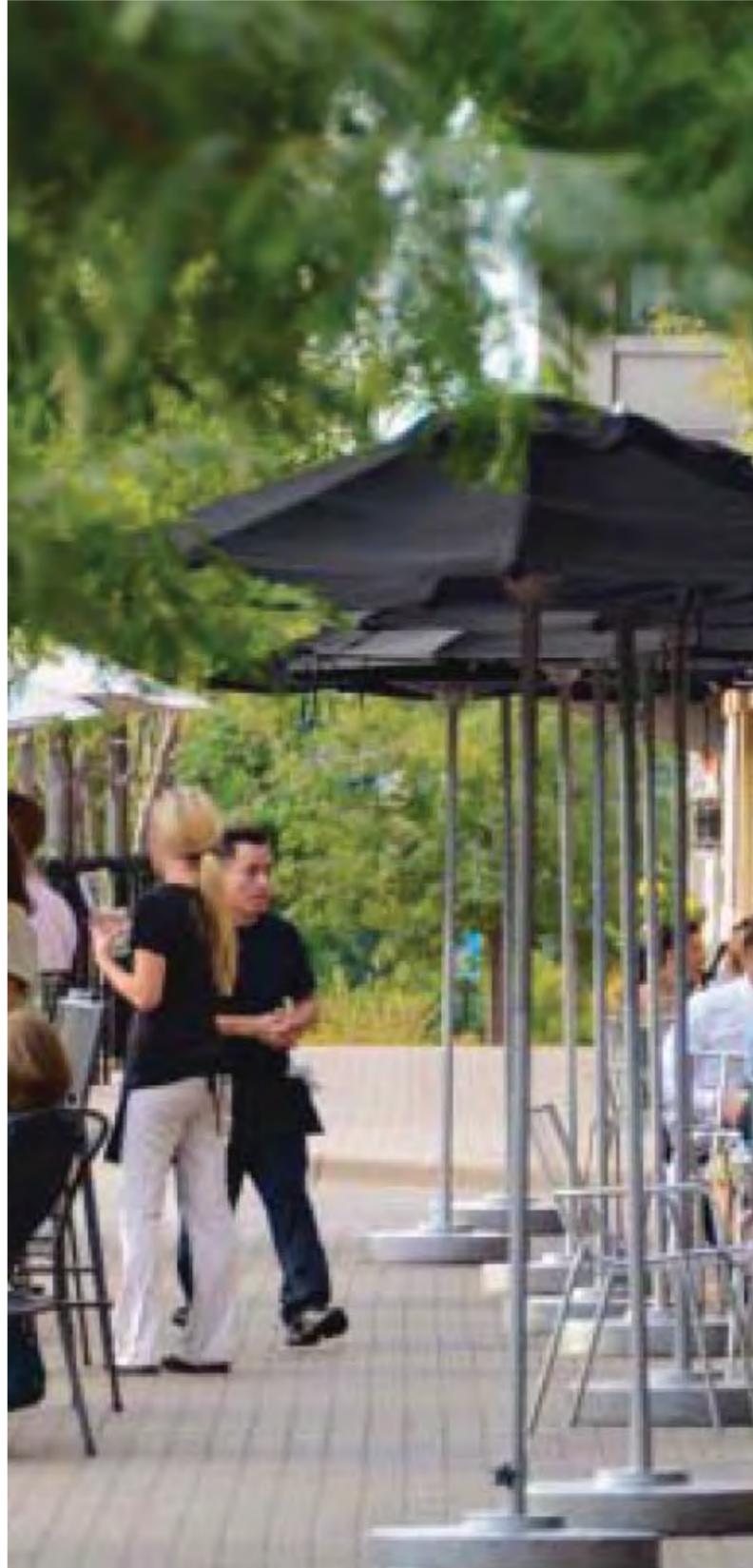


Figure 12.22 Excelsior streetscape, St. Louis Park, Minnesota



Figure 12.23 St. Anthony Main sidewalk activity



Figure 12.21 Plaza furnishings, 16th Street in Denver, Colorado



Figure 12.24

Plaza Concepts

Galleries

- Gathering / Seating
- Art / Sculpture
- Awnings / Trellis / Shade
- Fountains / Pools
- Sales / Stands
- Restaurants / Coffee shops
- Service Retail
- Furnishings / Signs
- Access Link to Parking and Courtyards

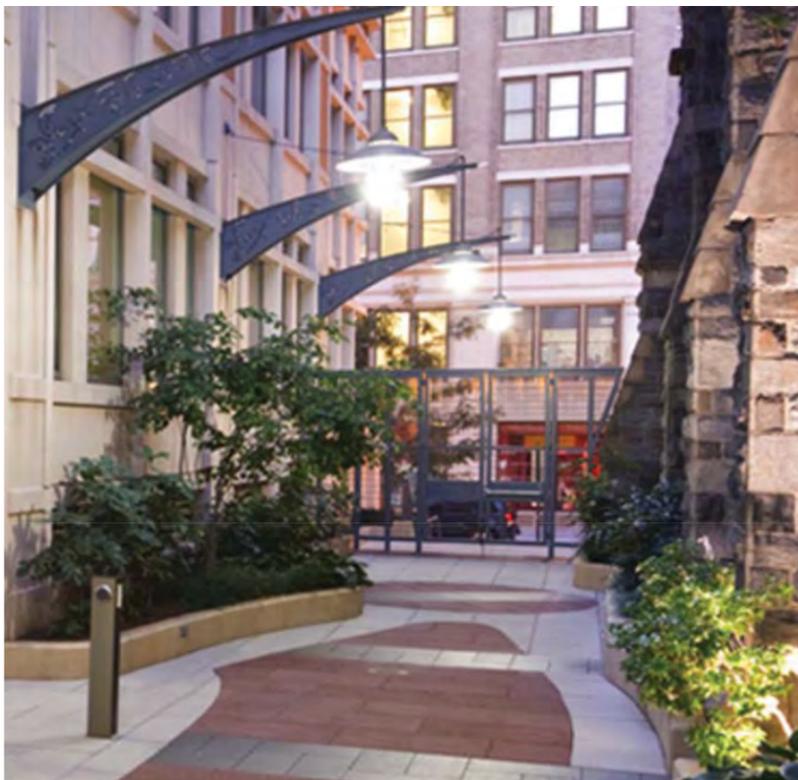


Figure 12.28

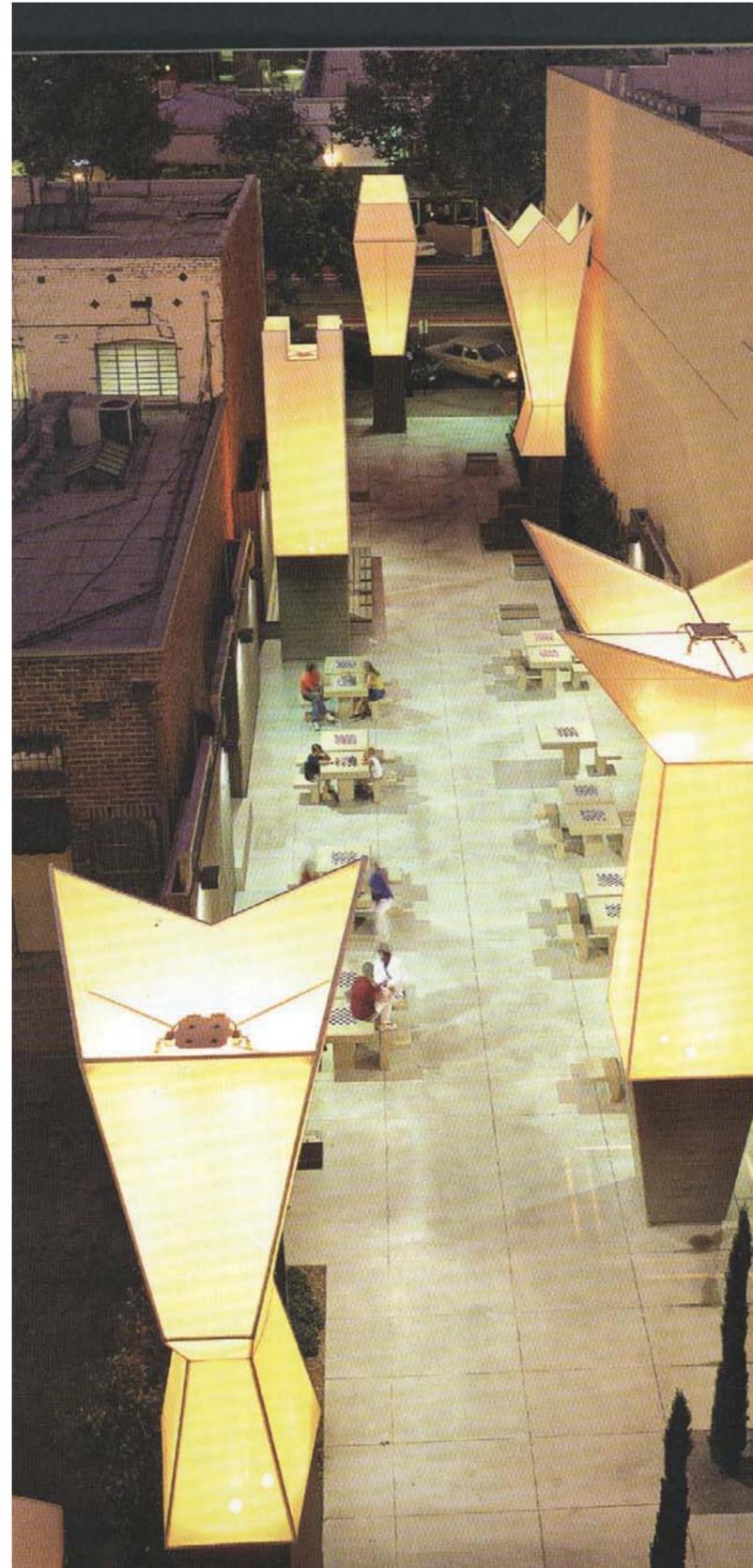


Figure 12.29



Figure 12.30 St. Anthony Main, Minneapolis



Figure 12.31

Civic Open Spaces

- Public Lawn
- Flexible Open Spaces
- Gathering
- Wayfinding / Kiosks
- Link to Transit Station



Figure 12.36



Figure 12.38 Nicollet Commons

Private Development Spaces

- Public/Private Courtyards
- Garden Courts/Future Development
- Link to Parking
- Stormwater Management/Rain Gardens



Figure 12.37 Nicollet Commons



Figure 12.39 CSOM Wilson Library University of Minnesota