

# Superior Street Reconstruction

City of Duluth

[www.duluthmn.gov/superiorstreet](http://www.duluthmn.gov/superiorstreet)



downtown  
farmers' market  
tuesdays  
11 am-1 pm



# Meeting Purpose

- *Presentation of Preferred Streetscape Concept Plan for Superior Street*
- *Next Steps & Moving Forward*
- *Questions / Comments*

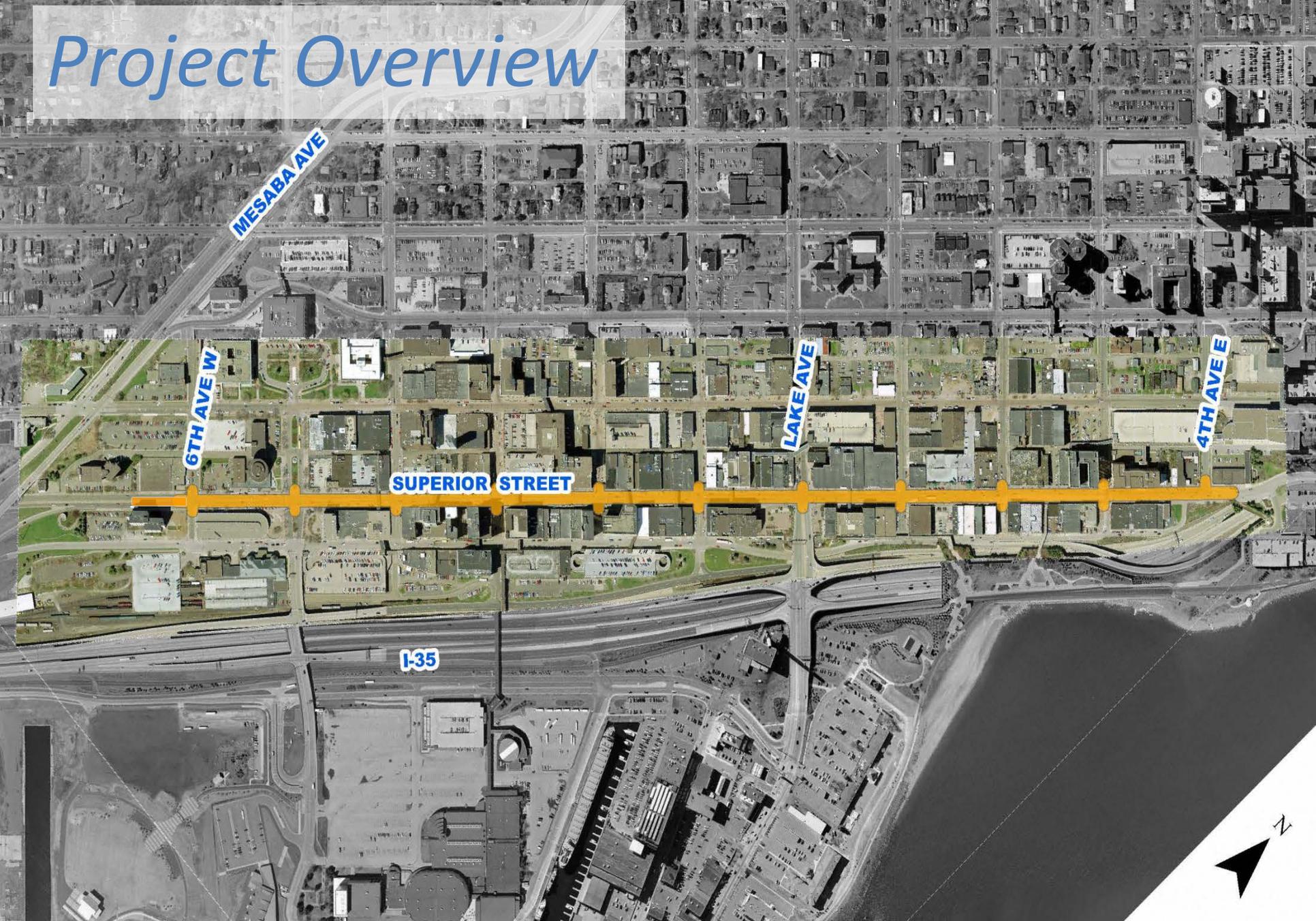
# Agenda

- *Project Status*
- *Project Schedule*
- *Preferred Street Layout Overview*
- *Preferred Streetscape Layout Overview*
- *Question and Answer Period*
- *Open House/One to One Questions*

# *Project Status (Keith Hamre)*

- *July 2014 to May 2015 Project Status*
- *Downtown Bikeway Study*
- *Design Goals*
- *Timing of Project & Steam Conversion*

# Project Overview



# Public Involvement Process

## Downtown Renaissance Project Superior Street 1985



## City pays as bricks pop up



1985 (left) to 2013, the renovation team built all of the brickwork on Superior Street. The bricks were made by the Lantz & Son company, and bricks are from a collection of 19th-century bricks.

## Downtown Superior Street renovation put on last track

**Tom Daly**

The Superior Street renovation project (now broken) has passed its most important hurdle with approval by a Greater Downtown Council last June of the latest design plan after six months of lively discussion between City Hall and downtown merchants. The most important step is approval by the Duluth City Council.

The big news is the good news — the street renovation, including the 1.5-mile drive lanes. A permit would then be issued for the project to start in the fall of next year. Work on the avenue is scheduled for 2014.

John Schwager, project coordinator, says the city will seek bids in March for the concrete and steel work. The city will also seek bids in May for the steel and concrete work. The city will also seek bids in May for the steel and concrete work.

The city will also seek bids in May for the steel and concrete work. The city will also seek bids in May for the steel and concrete work.



## Superior Street work uncovers streetcar tracks built in 1883

AT CRASH SITE

The city is uncovering a hidden history of Duluth's streetcar system. Workers have uncovered streetcar tracks built in 1883. The tracks were found during the renovation of Superior Street. The tracks were built by the Duluth Streetcar Company. The tracks were found during the renovation of Superior Street.

The city is uncovering a hidden history of Duluth's streetcar system. Workers have uncovered streetcar tracks built in 1883. The tracks were found during the renovation of Superior Street. The tracks were built by the Duluth Streetcar Company. The tracks were found during the renovation of Superior Street.



## Duluth to celebrate near-end of bricking work Wednesday

The city is celebrating the near-end of bricking work on Superior Street. The brickwork is being completed by the Lantz & Son company. The brickwork is being completed by the Lantz & Son company.

The city is celebrating the near-end of brickwork on Superior Street. The brickwork is being completed by the Lantz & Son company. The brickwork is being completed by the Lantz & Son company.

# Public Meeting #1 October 22, 2013 Project Introduction

# Public Involvement Process

## Superior Street Reconstruction

City of Duluth  
Design Workshop  
[www.duluthmn.gov/superiorstreet](http://www.duluthmn.gov/superiorstreet)

Tuesday, January 7th, 2014  
4:30 pm  
Radisson Hotel  
505 West Superior Street  
Downtown Duluth



PERFORMANCE  
DRIVEN DESIGN.  
LHBcorp.com



ENGINEERS  
PLANNERS  
DESIGNERS

## Public Meeting #2 January 7, 2014 Design Workshop

← Carmagadon ↑

What do you ALTER going forward?	What STREETScape AMENITIES should be included in a new streetscape?
<ul style="list-style-type: none"> <li>Priority on Pedestrian Walkways (over cars)</li> <li>More green space for just "tree" only</li> <li>More Green Space at St.</li> <li>Close some of Ave. Coughlin to Main St.</li> <li>City walk design is about street width, not about selected items (like trees)</li> <li>Address Signage over P.C.W.</li> </ul>	<ul style="list-style-type: none"> <li>More Green Space</li> <li>More trees plantings</li> <li>Tree canopy lighting</li> <li>Network of benches along all streets</li> <li>Add pedestrian bike way/signage</li> </ul>



### Re-Envision Your Street

- Circulation and Movement
- Streetscape Amenities
- Appearance and Feel
- Activity Spaces

Your input is needed!



# Public Involvement Process

## Superior Street Reconstruction

City of Duluth  
Design Workshop  
[www.duluthmn.gov/superiorstreet](http://www.duluthmn.gov/superiorstreet)

Tuesday, February 25th, 2014  
4:30 pm

Lake Erie / Lake Ontario Meeting Room  
Holiday Inn & Suites - 200 West First Street  
Downtown Duluth



PERFORMANCE  
DRIVEN  
DESIGN.  
LHBcorp.com



Street/Streetscape concepts will be presented

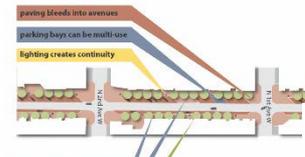
- Assist in evaluating design options
- Contribute toward preferred scheme
- Discuss next steps

Your input  
is needed!

## Public Meeting #3 February 25, 2014 Design Workshop (Streetscape Concept Development)

### DISTRICT CONCEPT

- CONTINUOUS STREET LIGHTS AND TREES
- DISTINCTIVE ELEMENTS PUNCTUATE STREET
- DIAGONAL PARKING ON NORTH SIDE, PARALLEL PARKING ON SOUTH SIDE
- STREET SHIFTED SOUTH TO PROVIDE MORE SUNNY SIDEWALK SPACE ON NORTH SIDE



### FESTIVAL CONCEPT

- SERPENTINE LAYOUT CREATES OPPORTUNITIES FOR SIGNATURE SPACES ON EACH BLOCK
- FLEXIBLE/MULTI-USE SPACE ON EACH BLOCK
- PEDESTRIAN FOCUSED/NO PARKING

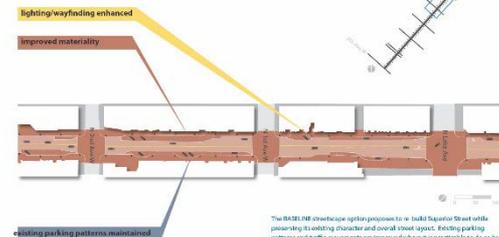
themes can vary by block

### SPINE CONCEPT

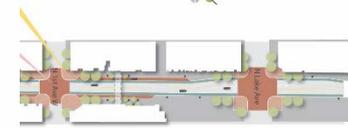
- DESTINATIONS EMPHASIZED
- DISTRICTS ARE CENTRAL ELEMENTS

### BASELINE CONCEPT

- EXISTING CHARACTER PERPETUATED
- IMPROVED STREET/MATERIALITY FUNCTION
- EXISTING PARKING PATTERNS MAINTAINED



The BASELINE streetscape option proposes to re-build Superior Street while preserving its existing character and overall street layout. Existing parking patterns and traffic movements are improved where it is possible to do so but major car and bus routes are not emphasized. The level of streetscape amenities is coordinated with the existing street layout to emphasize overall community pedestrian use.



The DISTRICT streetscape concept focuses on Superior Street as a central destination in the community with a unique identity. Mid-block plaza areas and feasible gathering spaces are emphasized. On-street parking is maximized and some "non-traditional" parking areas are created. Primary focus is placed away from the intersections and toward the overall street level with a desire to create a space that invites a variety of users and where passersby will linger.

# Public Involvement Process

## Public Meeting #4 April 1, 2014 Open House – Refined Streetscape Corridor Concepts

### Superior Street Reconstruction

City of Duluth  
[www.duluthmn.gov/superiorstreet](http://www.duluthmn.gov/superiorstreet)

#### ■ Open House -

*"Come and go at your convenience."*

Tuesday, April 1, 2014

4:30 pm to 7:00 pm

**Greysolon Plaza**

Main Level – Moorish Room

231 East Superior Street, Downtown Duluth



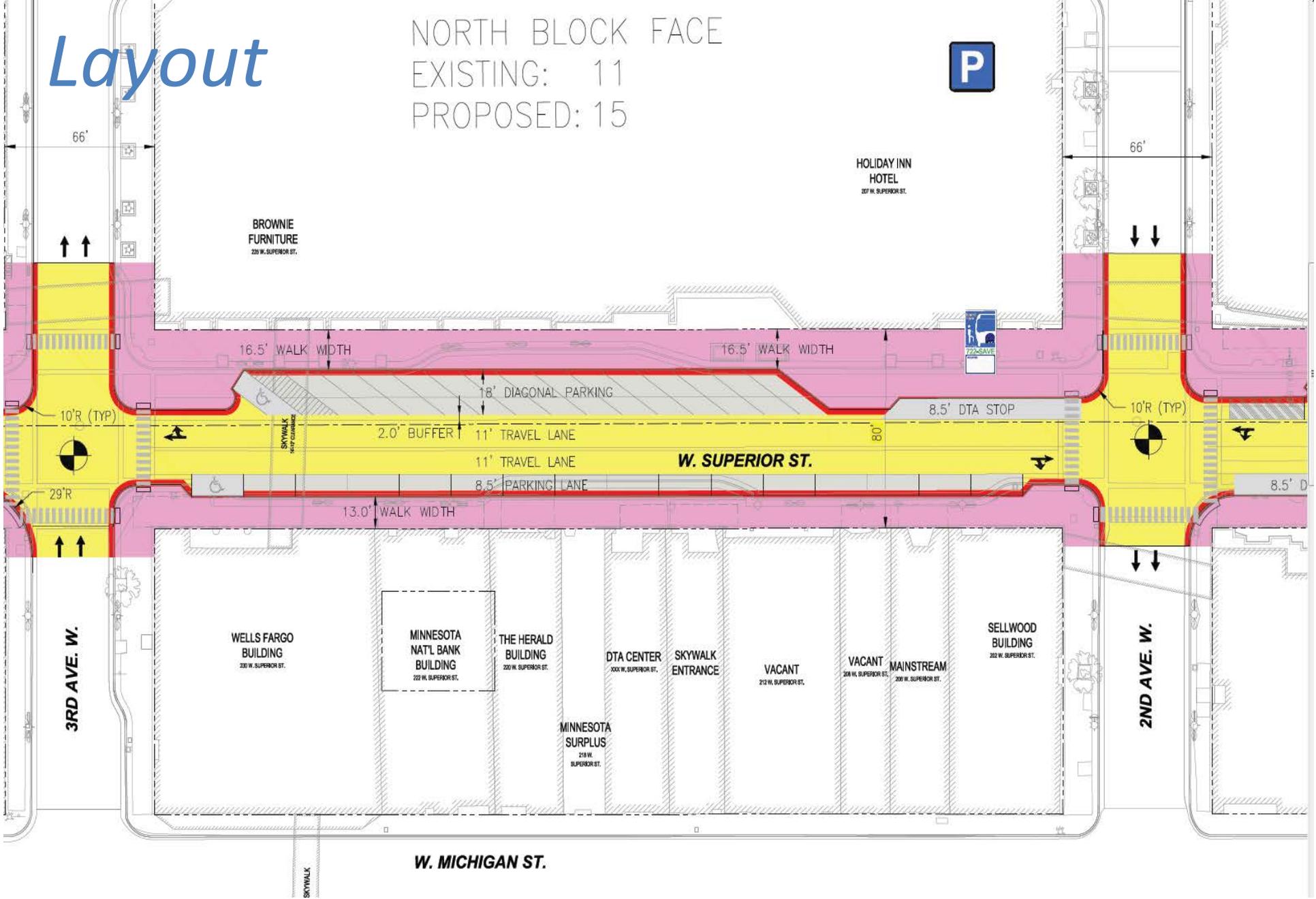
■ *One to one discussions of the  
Street/Streetscape Corridor Concept*

# Project Schedule / Timeline

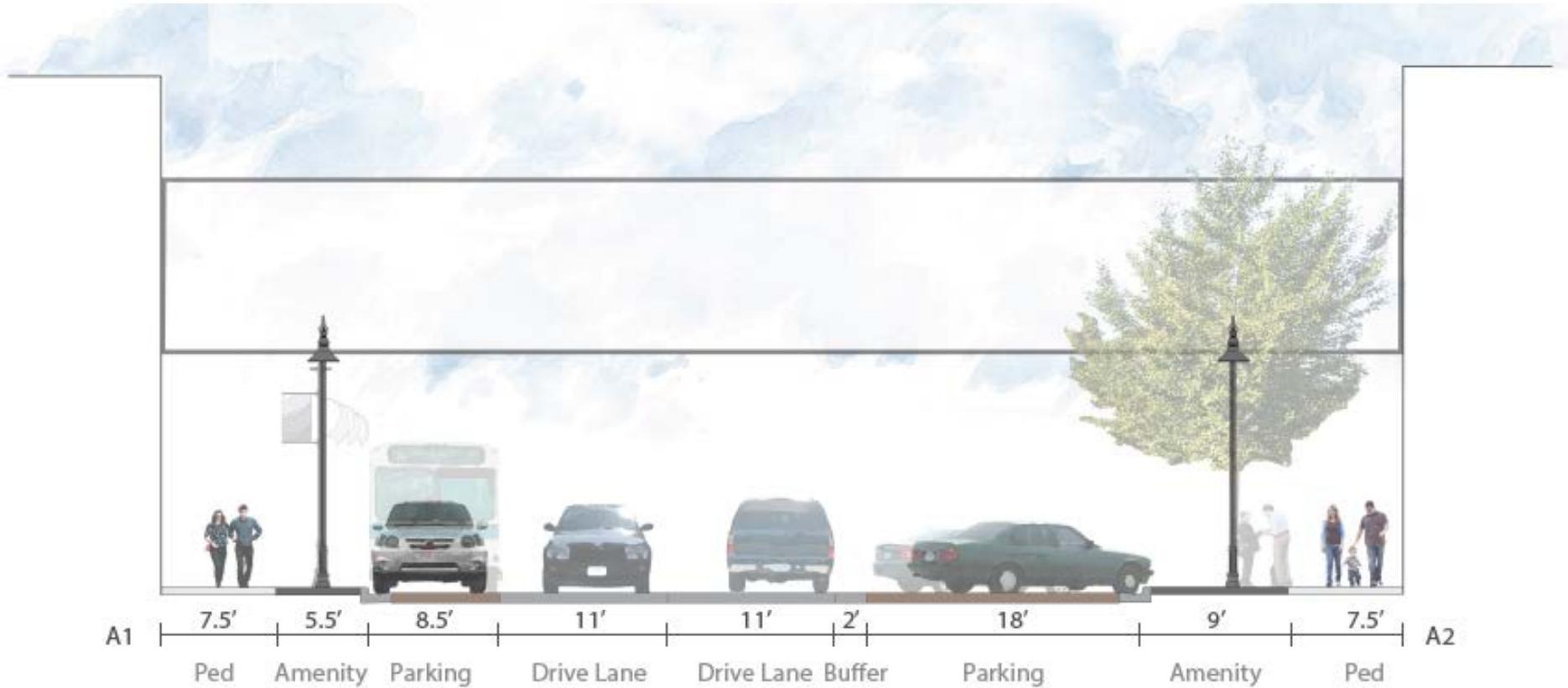


# Layout

NORTH BLOCK FACE  
EXISTING: 11  
PROPOSED: 15



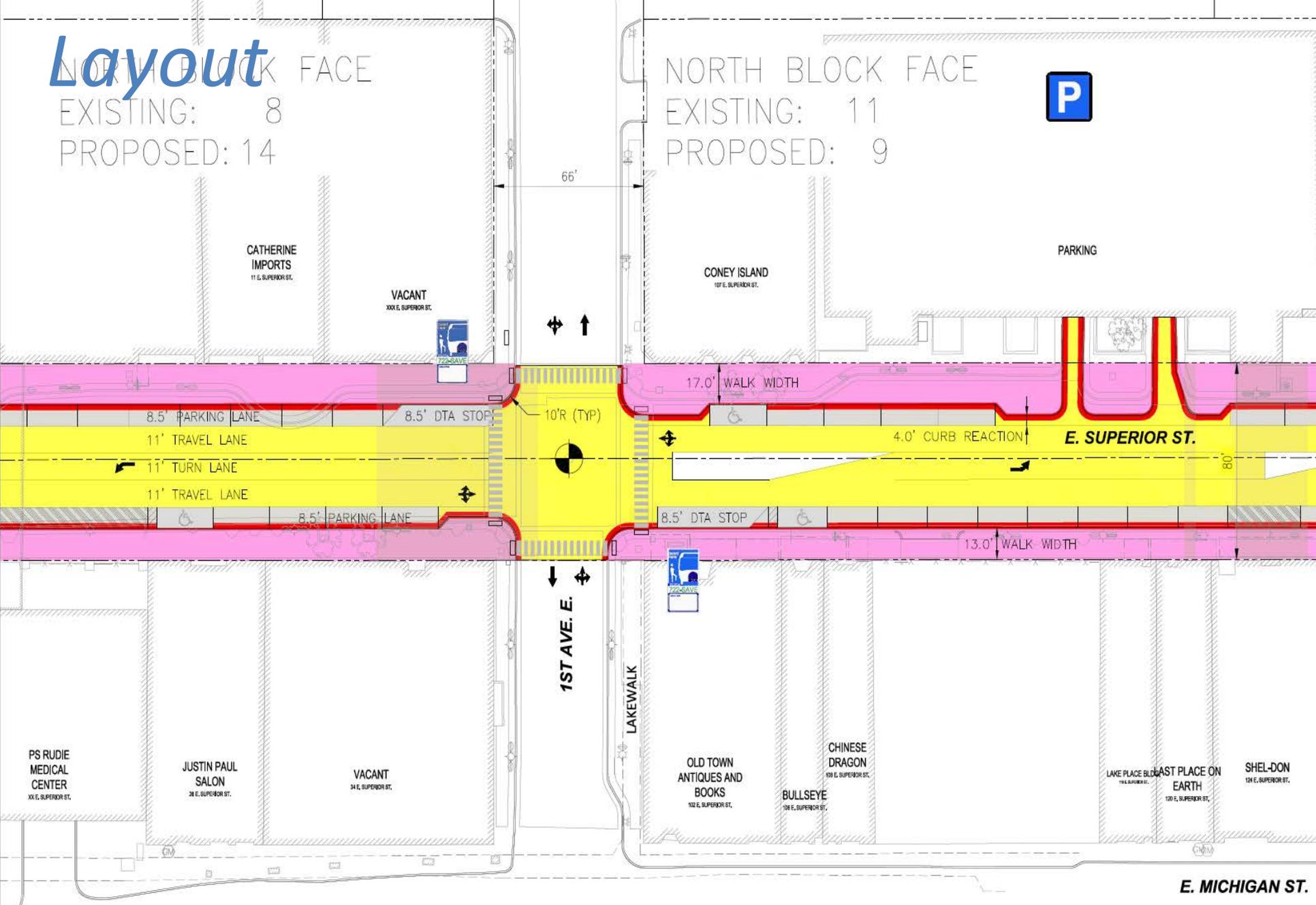
# Section



# Layout

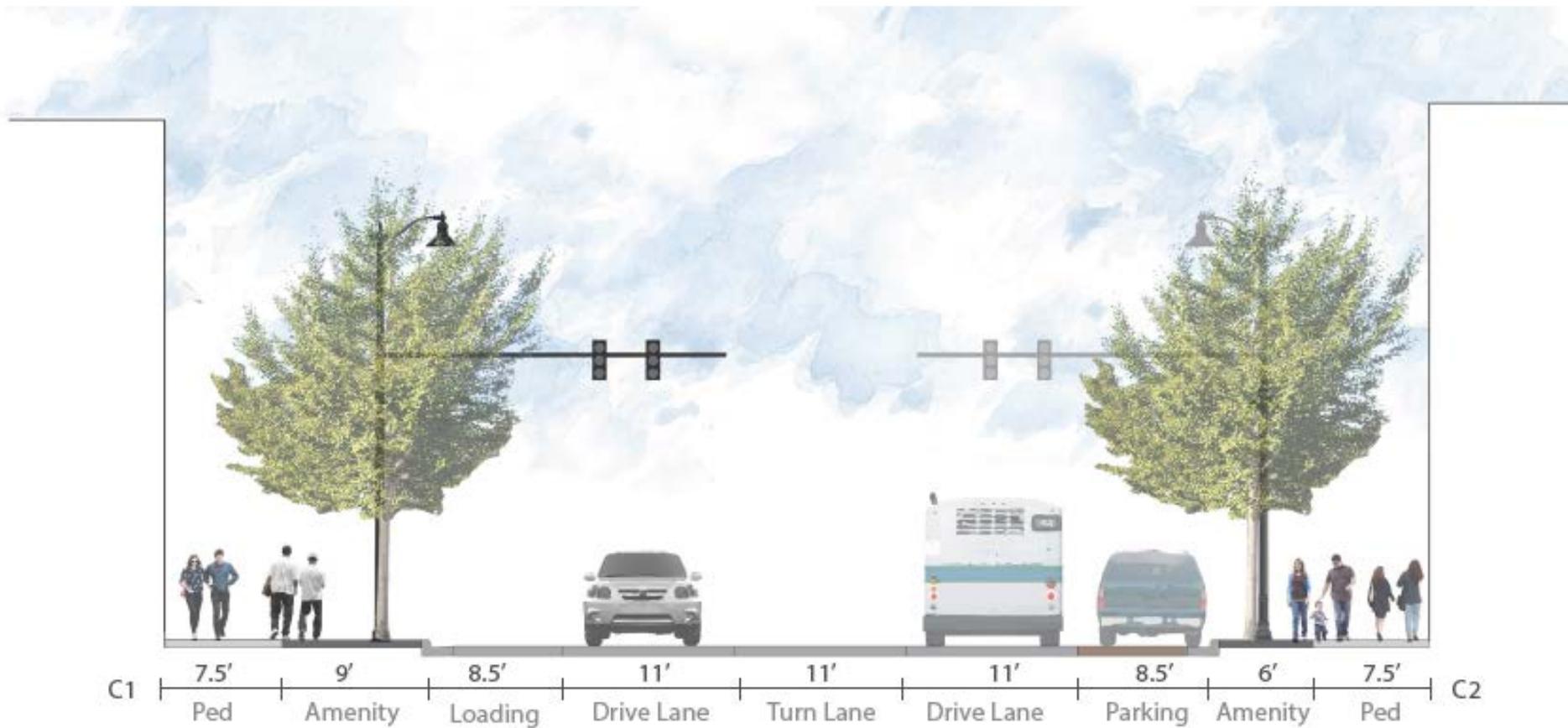
NORTH BLOCK FACE  
EXISTING: 8  
PROPOSED: 14

NORTH BLOCK FACE  
EXISTING: 11  
PROPOSED: 9



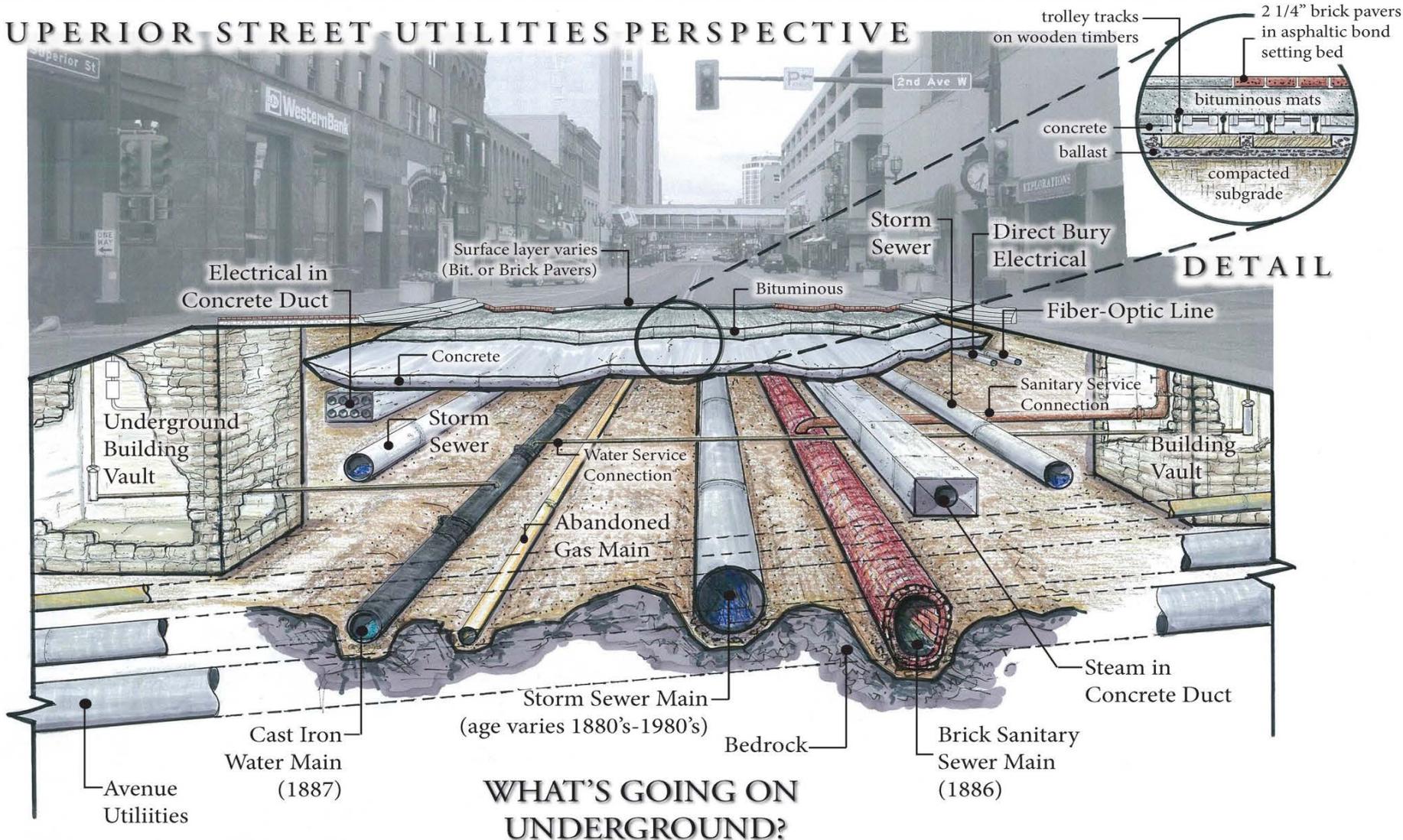
E. MICHIGAN ST.

# Section

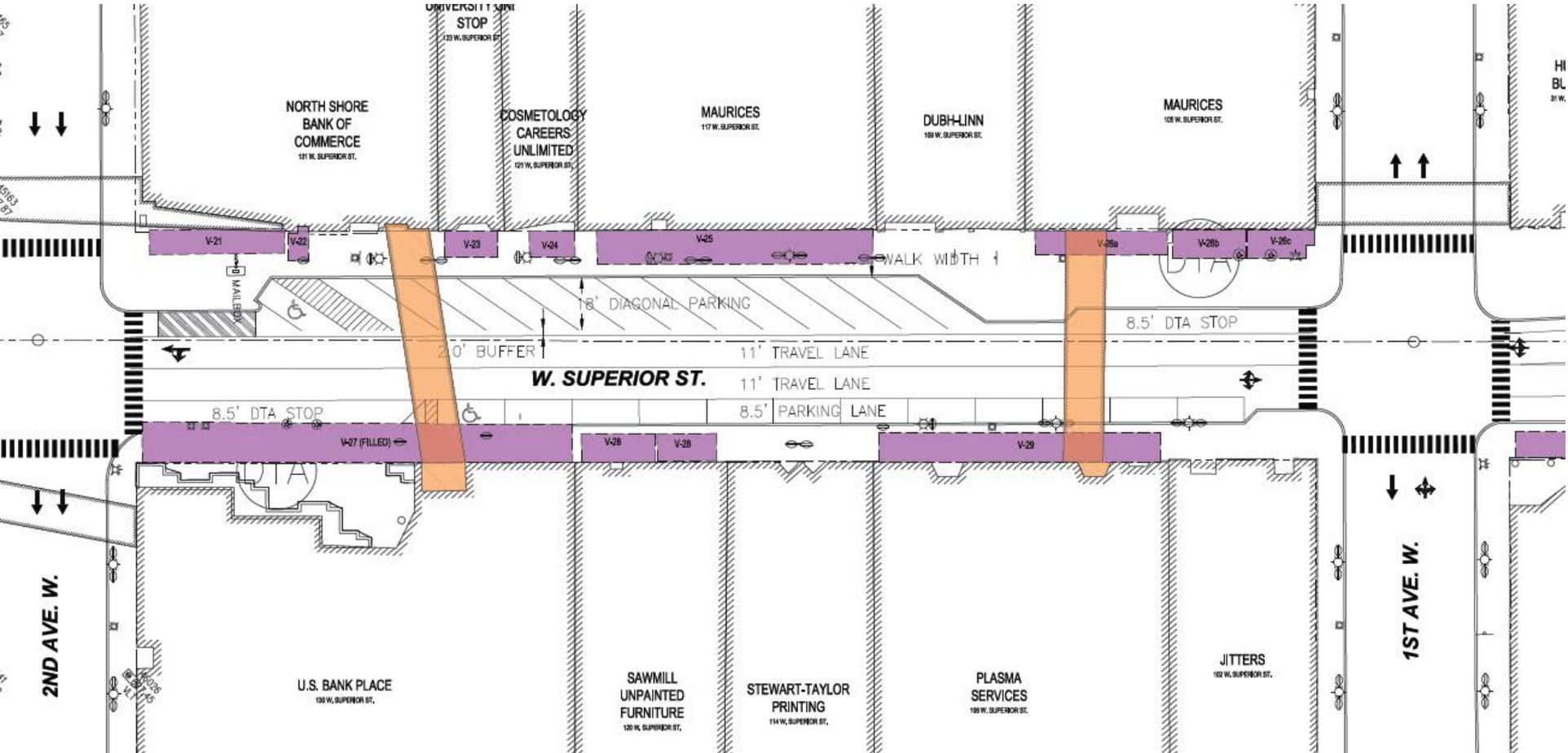


# Utilities

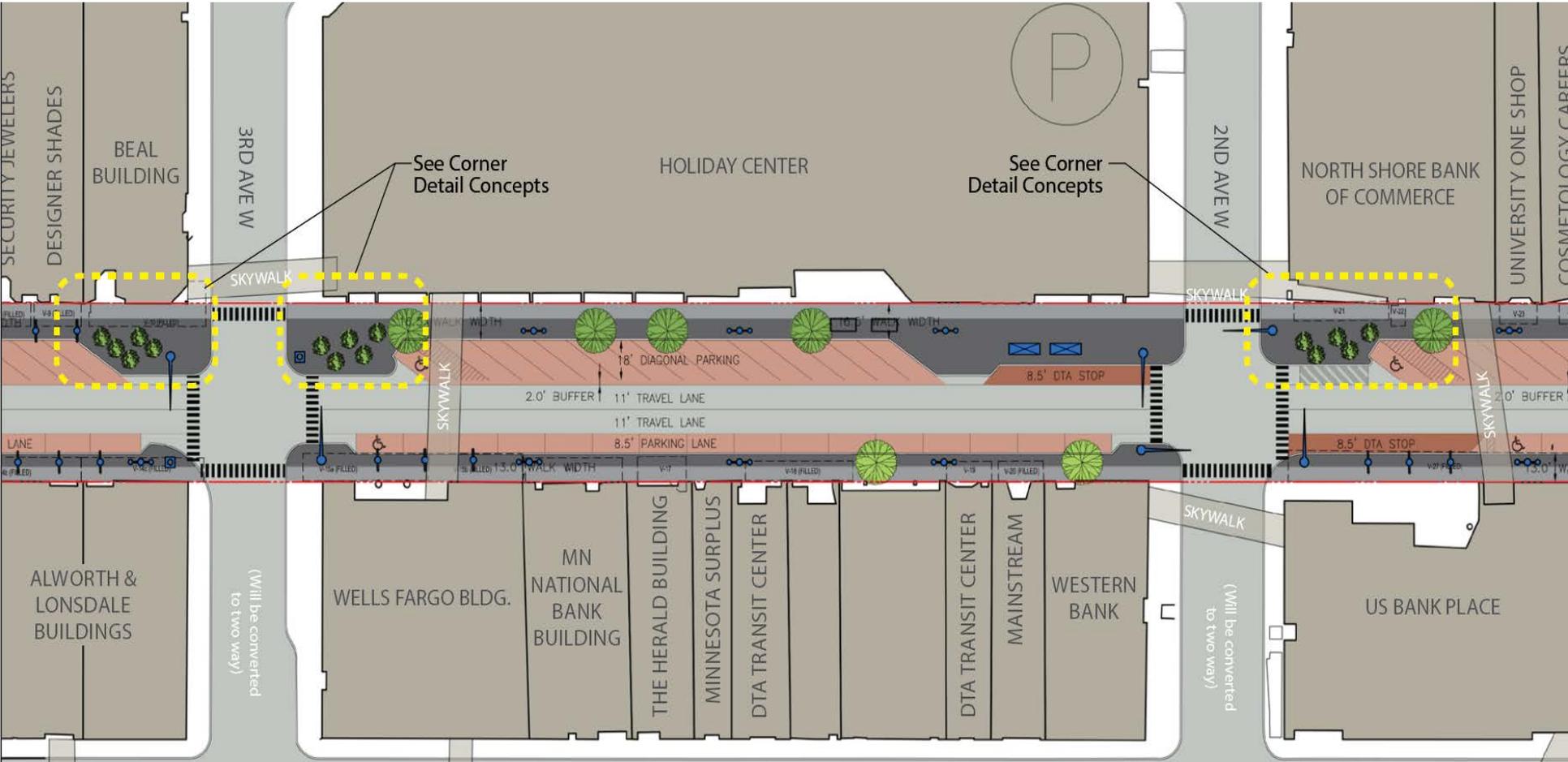
## SUPERIOR STREET UTILITIES PERSPECTIVE



# Subsurface & Overhead Constraints

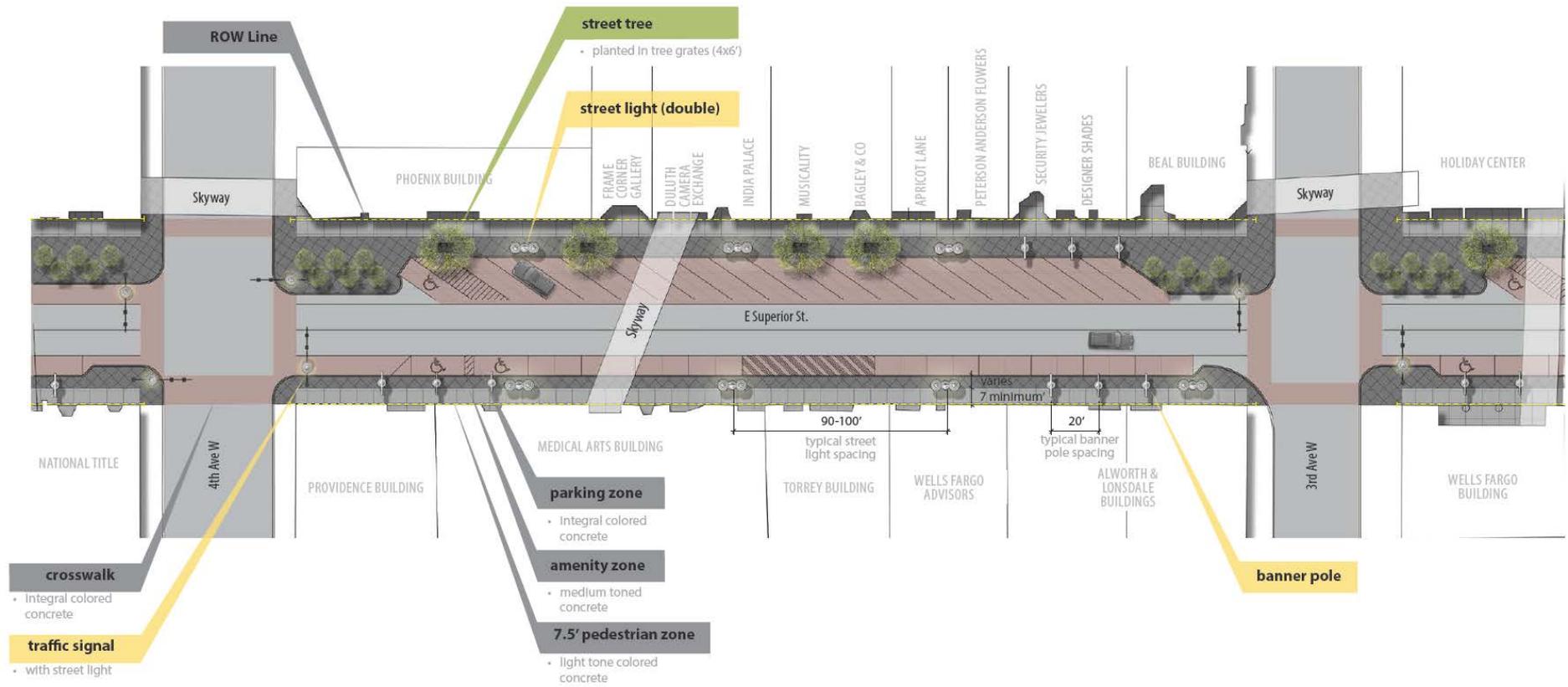


# Streetscape Layout



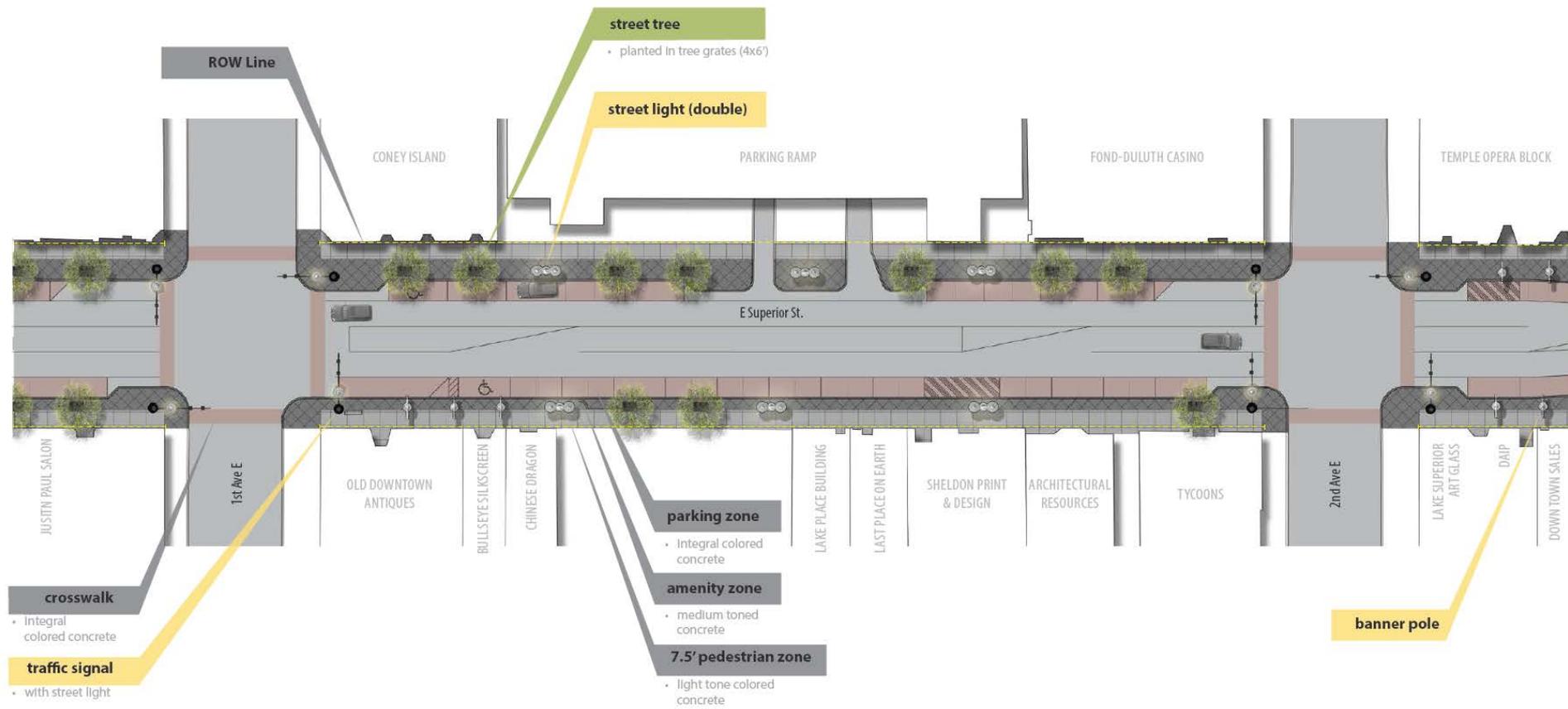
# TYPICAL STREETSCAPE CONCEPT

WEST SUPERIOR STREET - BLOCK BETWEEN 3RD AVE W AND 4TH AVE W



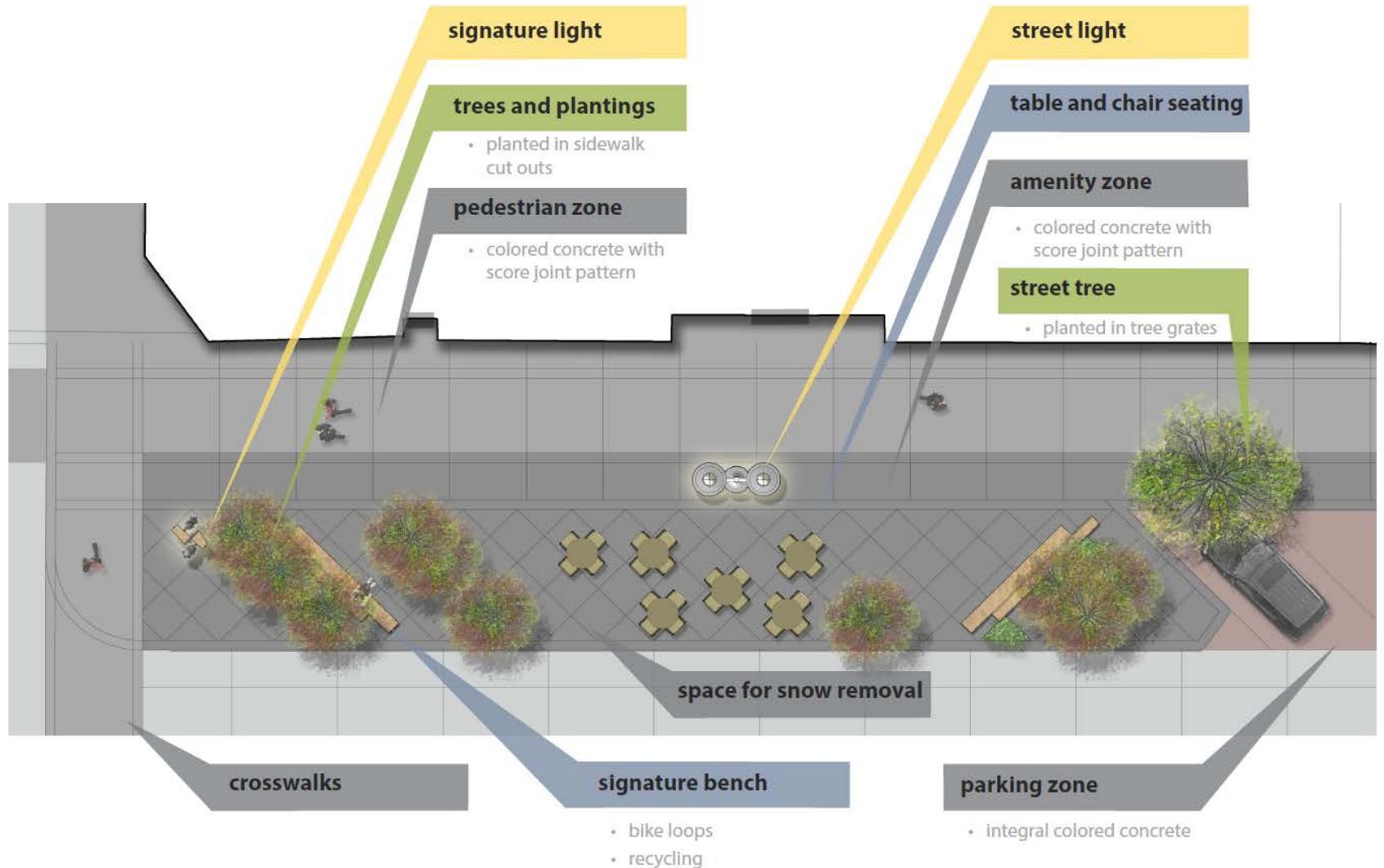
# TYPICAL STREETScape CONCEPT

EAST SUPERIOR STREET - BLOCK BETWEEN 1ST AVE E AND 2ND AVE E





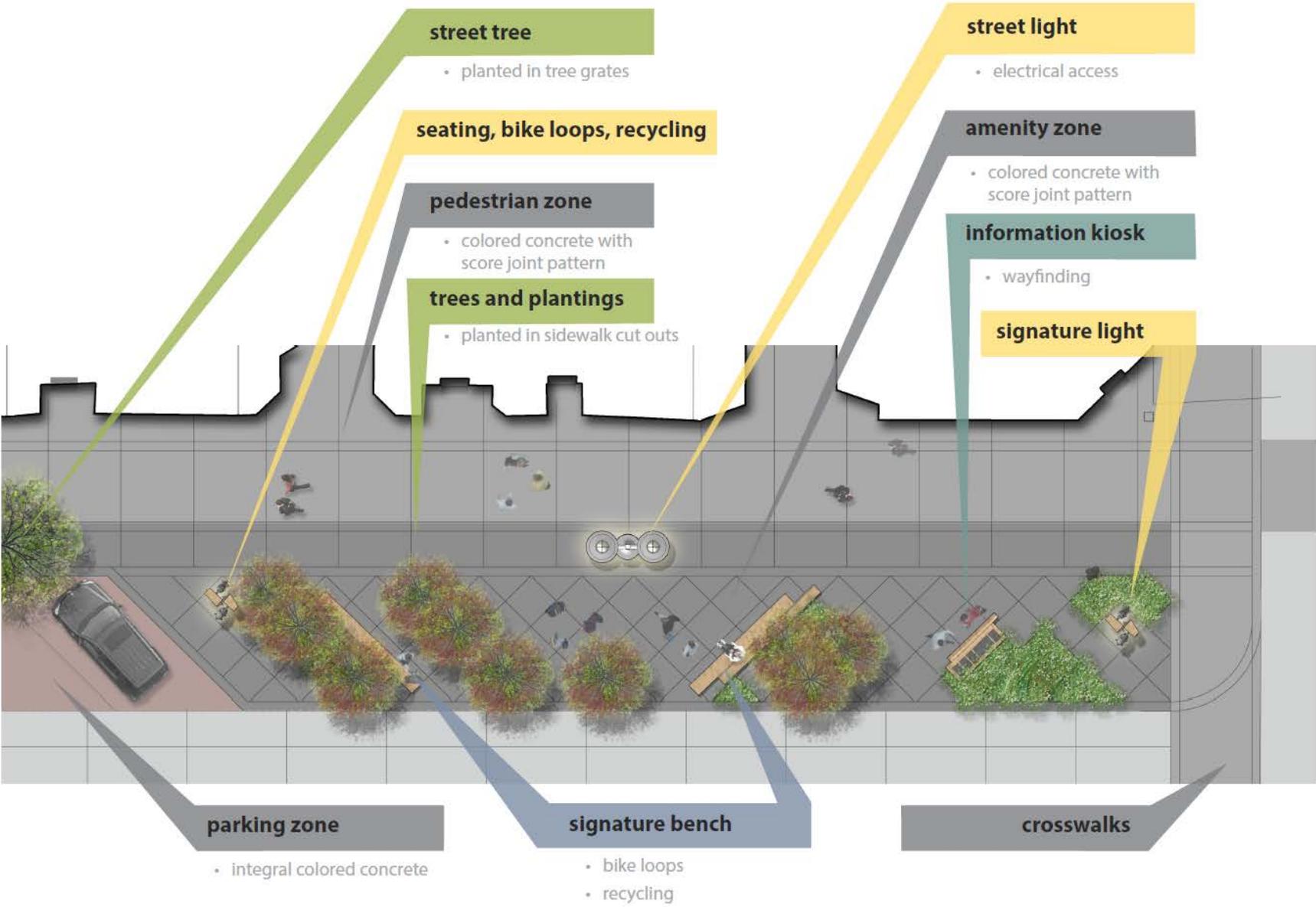
**DISTRICT CONCEPT A - OUTDOOR CAFE SPACE  
CORNER DETAIL**



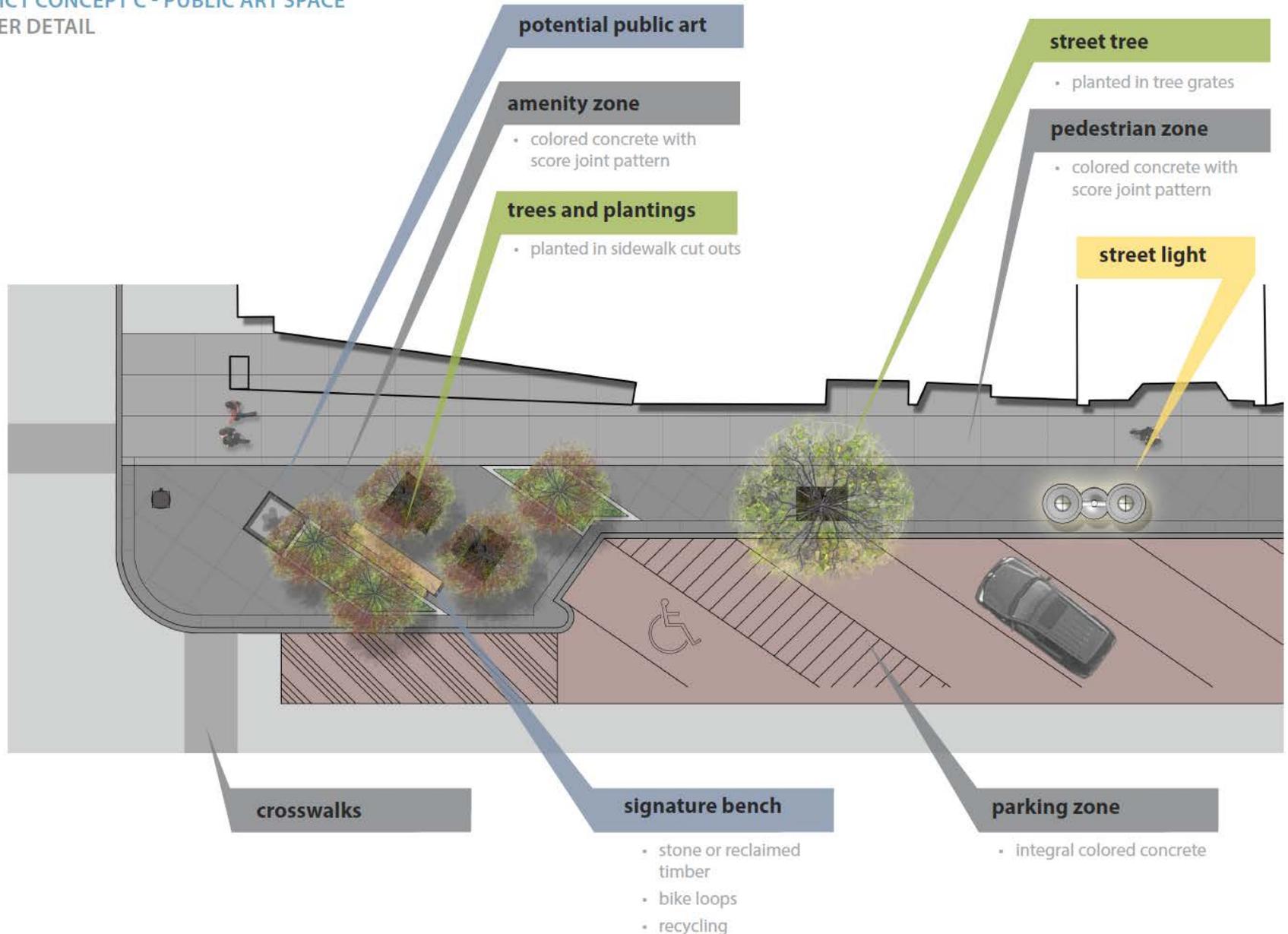
# *Outdoor Café Space*



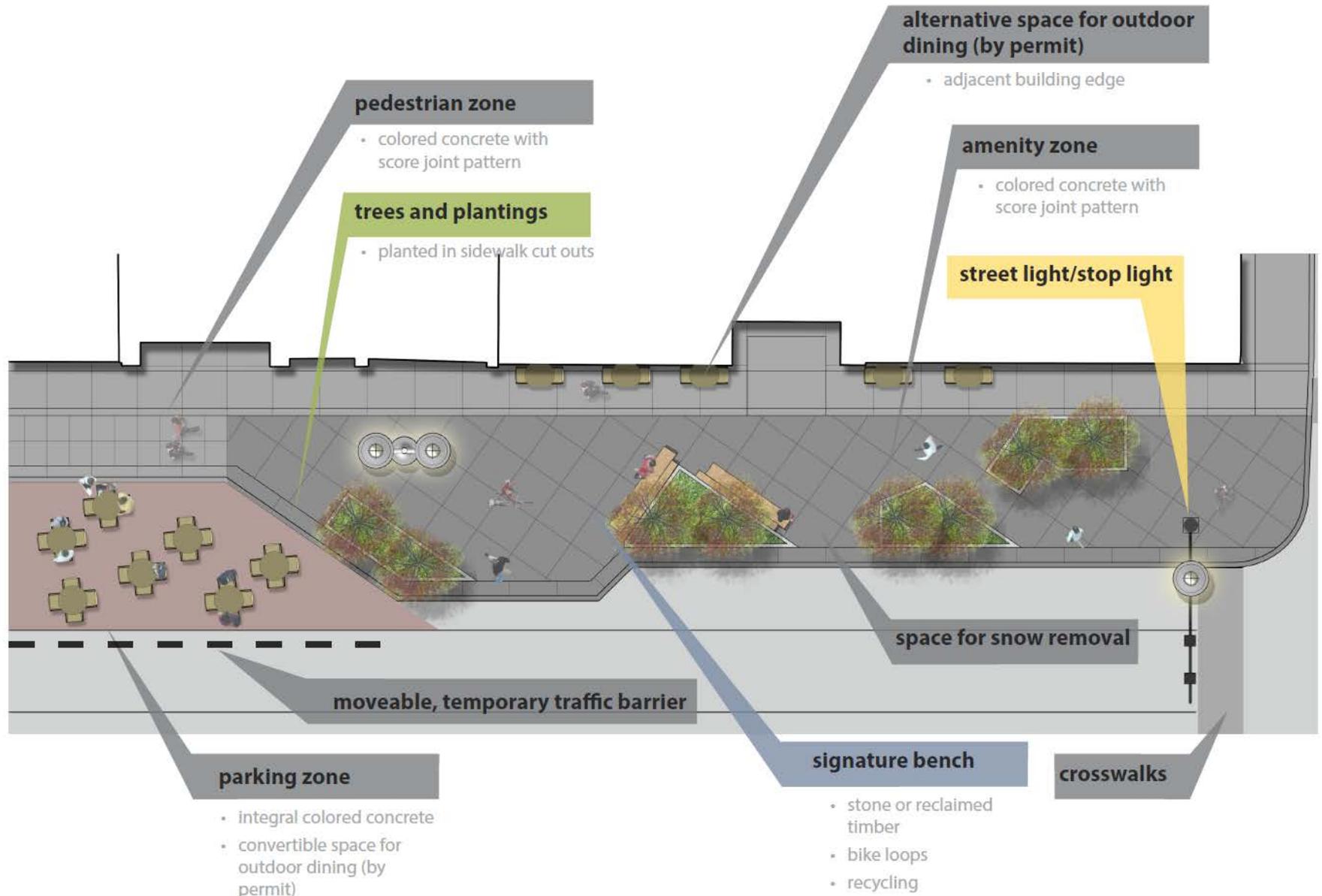
DISTRICT CONCEPT B - FESTIVAL SPACE  
CORNER DETAIL



DISTRICT CONCEPT C - PUBLIC ART SPACE  
CORNER DETAIL



DISTRICT CONCEPT D - CONVERTIBLE PARKING/CAFE SPACE  
CORNER DETAIL



# Convertible Parking/Café Space

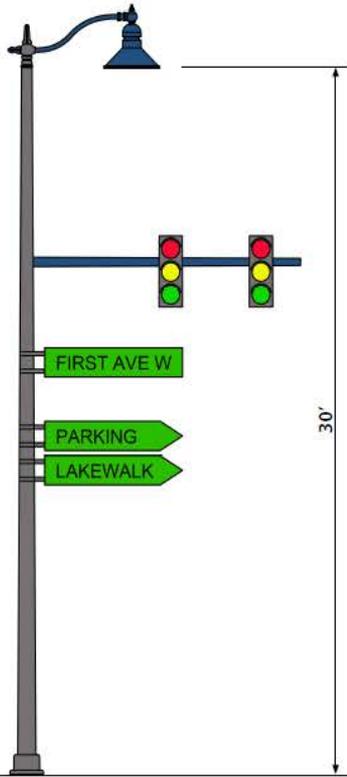


# *Convertible Parking/Café Space*

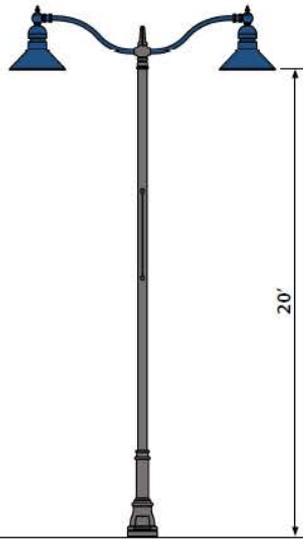


# STREETSCAPE CONCEPTS

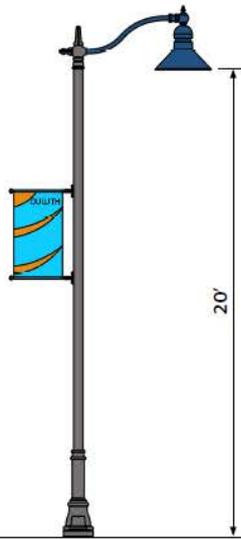
## LIGHTING ALTERNATIVES



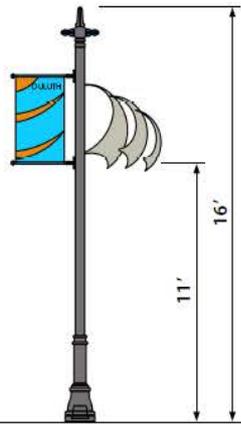
**TRAFFIC SIGNAL**  
 • With street light  
 • Opportunity for wayfinding/directional signage



**STREET LIGHT**  
 • Double fixture  
 • Potential electrical access  
 • Parallel to street  
 • Primary street light  
 • Banners optional



**STREET LIGHT**  
 • Single fixture  
 • Banner (optional)  
 • Limited application



**BANNER POLE**  
 • Banner (optional)  
 • Decorative element (optional)



**TIVOLI LIGHTING**  
 • Twinkle lights in tree

# STREETSCAPE CONCEPTS

## MATERIALS ALTERNATIVES



SIDEWALK  
PEDESTRIAN ZONE



SIDEWALK  
AMENITY ZONE AND BUMPOUTS



PARKING AREAS



STREET/TRAVEL LANES

PEDESTRIAN CROSSING

<p>ALTERNATIVE A</p>	 <p>CONCRETE • Integral color • Light broom finish with scoring</p>	 <p>CONCRETE • Integral color • Special scoring</p>	 <p>COLORED CONCRETE • Integral color • Special scoring</p>	 <p>CONCRETE STREET</p>	 <p>CONCRETE • Contrasting color to street • Special scoring</p>
<p>ALTERNATIVE B</p>	 <p>SPARKLE GRAIN CONCRETE • No color, sparkle appearance • Light broom finish with scoring</p>	 <p>CONCRETE • Integral color • Special scoring</p>	 <p>CONCRETE • No color • Special scoring</p>	 <p>CONCRETE STREET</p>	 <p>THERMOPLASTIC • Zebra pattern</p>

# LANDSCAPING

## STREETSCAPE ELEMENTS

### PLANT PALETTE

**FLOWERS+SHRUBS**  
 •Species are tolerant of urban conditions



Iris  
*Iris germanica*



Catmint  
*Nepeta 'Walkers' Low'*



Daylily  
*'Hemerocallis' Happy Returns'*



Dwarf Bush Honeysuckle  
*Diervilla lonicera*



Black Chokeberry  
*Aronia melanocarpa*



Sumac 'Gro-Low'  
*Rhus aromatica*

**TREES, VINES+ANNUALS**  
 •Species are tolerant of Duluth's urban conditions



Ginkgo  
*Ginkgo biloba*



Hackberry  
*Celtis occidentalis*



Discovery Elm  
*Populus deltoides*



Japanese Tree Lilac  
*Syringa reticulata*



Vines  
*Various species*



Annual Flowers  
*Various species*

### APPLICATIONS

•Various applications of plants in the streetscape



4'x6' Tree Grate



Concrete Curb Planter



Concrete Curb Planter



Planters



Trellis with Vines



Hanging Flower Baskets

# STREET FURNITURE

## STREETScape ELEMENTS

### BENCHES

- Signature benches at select bump-outs are rugged, sturdy and reflect North Shore landscape
- Signature benches are crafted from indigenous and reclaimed materials when feasible



### OTHER FURNITURE

- Bike rack
- Paired waste and recycling bins
- Digital parking meter pay stations



### EXISTING ELEMENTS

- Existing transit shelter to remain
- Existing street clock to remain



# Wayfinding

## WAYFINDING

- Directional signs and panels on posts at key decision-making locations
- Representative destinations include:
  - Parking
  - Public buildings
  - Skyway access
  - Lakewalk/trails
  - Parks/plazas
  - Tourist amenities
  - Historic sites



Wayfinding Signage

- Using tallest signs for vehicle orientation and lower panel signs for pedestrians



- Using visual icons and symbols



Wayfinding Signage

- Using visual icons and symbols

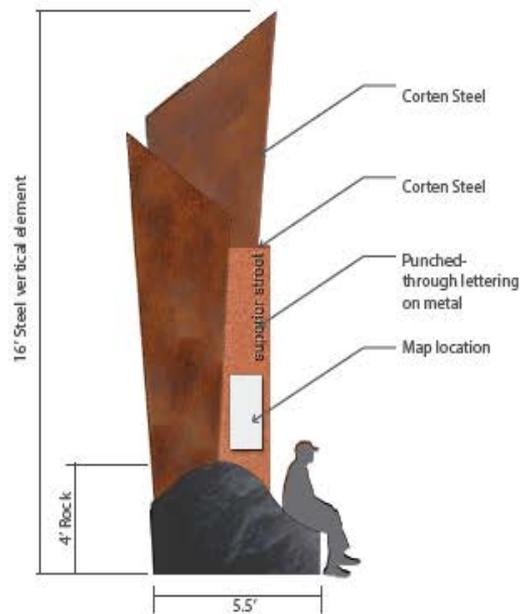


- Using color coded bands

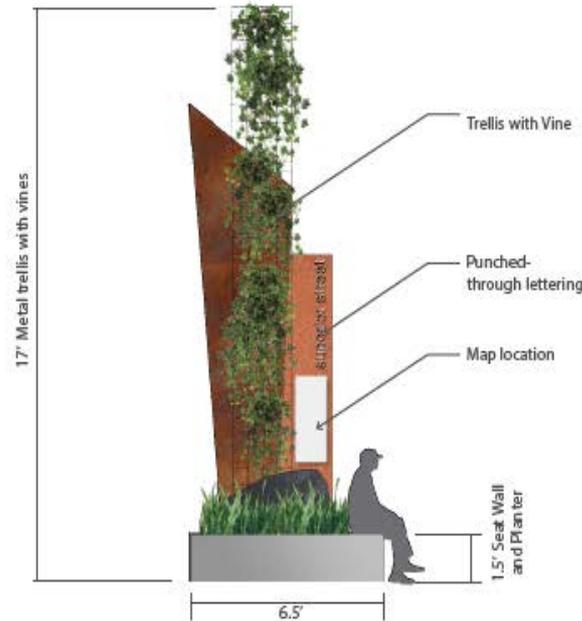
# Gateway Elements

## GATEWAY/VERTICAL ELEMENTS

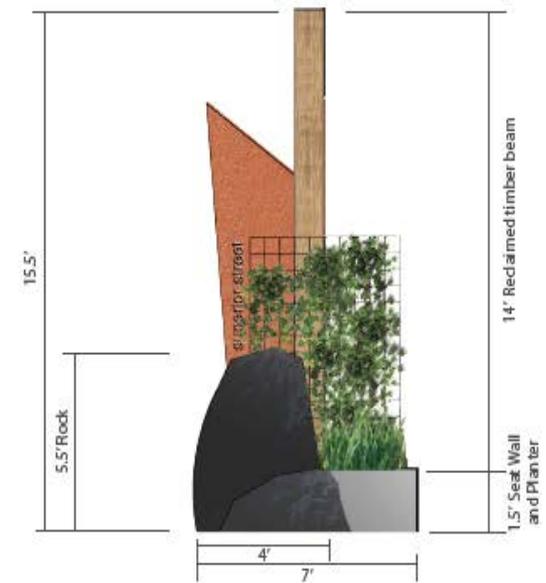
- Gateway structures indicate Lakewalk entrances
- Can also provide location for wayfinding/map signage
- Can be combined with a trellis and planters to incorporate landscaping into streetscape
- Constructed of various combinations of indigenous stone, metal, timber and landscaping



Option A



Option B

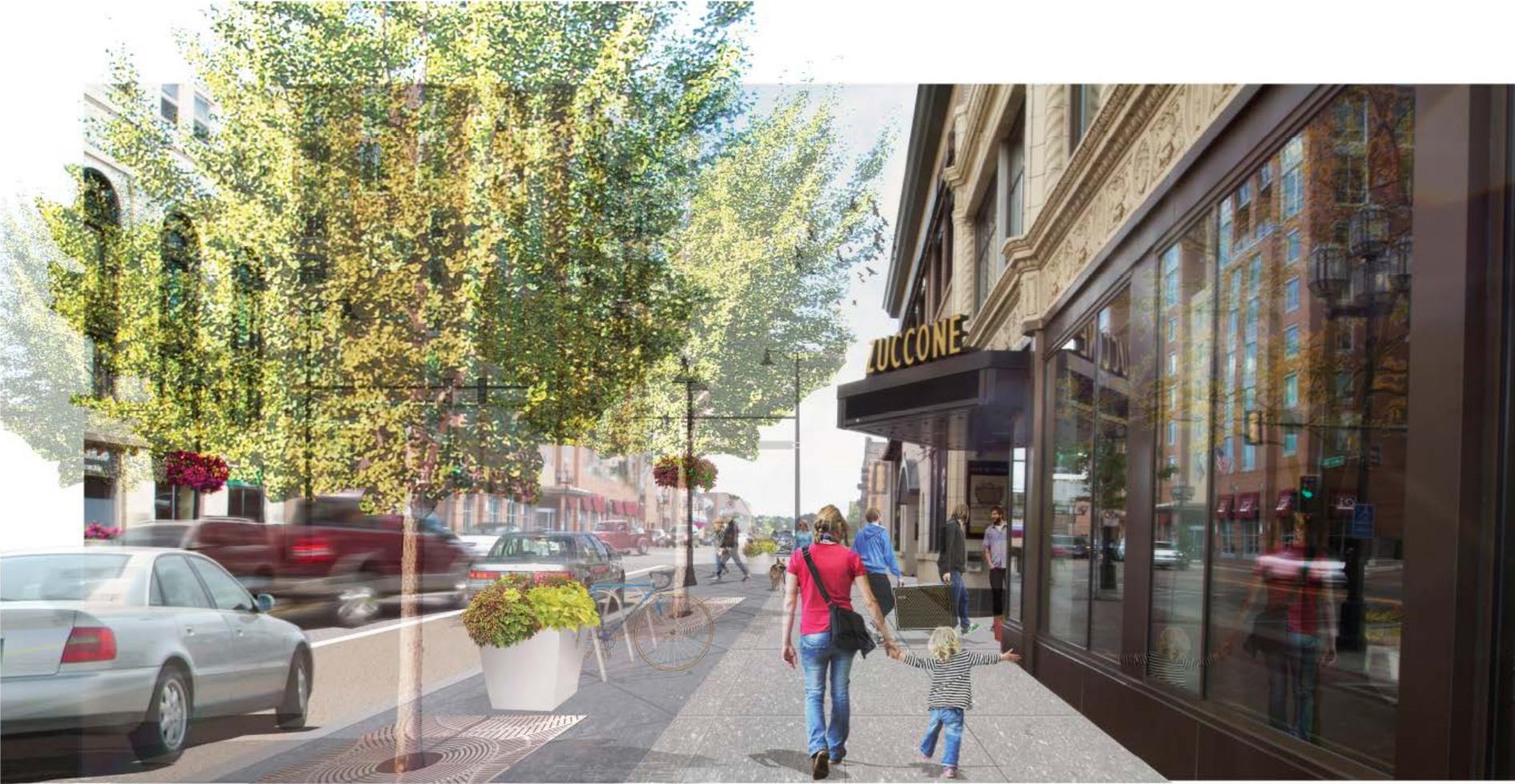


Option C

# PERSPECTIVE VIEWS

## STREETSCAPE ELEMENTS

PERSPECTIVE A EAST VIEW (SOUTH SIDE) BETWEEN 2ND + 3RD AVE WEST



# PERSPECTIVE VIEWS

## STREETSCAPE ELEMENTS

PERSPECTIVE B EAST VIEW (NORTH SIDE) CORNER OF 4TH AVE WEST



# PERSPECTIVE VIEWS

## STREETSCAPE ELEMENTS

PERSPECTIVE C EAST VIEW ( NORTH SIDE) CORNER OF 1ST AVE E



# *Next Steps & Moving Forward*

- *Public Meeting #6 – October, 2015*
- *Council Meetings – August / Fall*
- *Technical Report – Winter 2015/2106*

# Questions/Comments & Open House



*Thank You!*