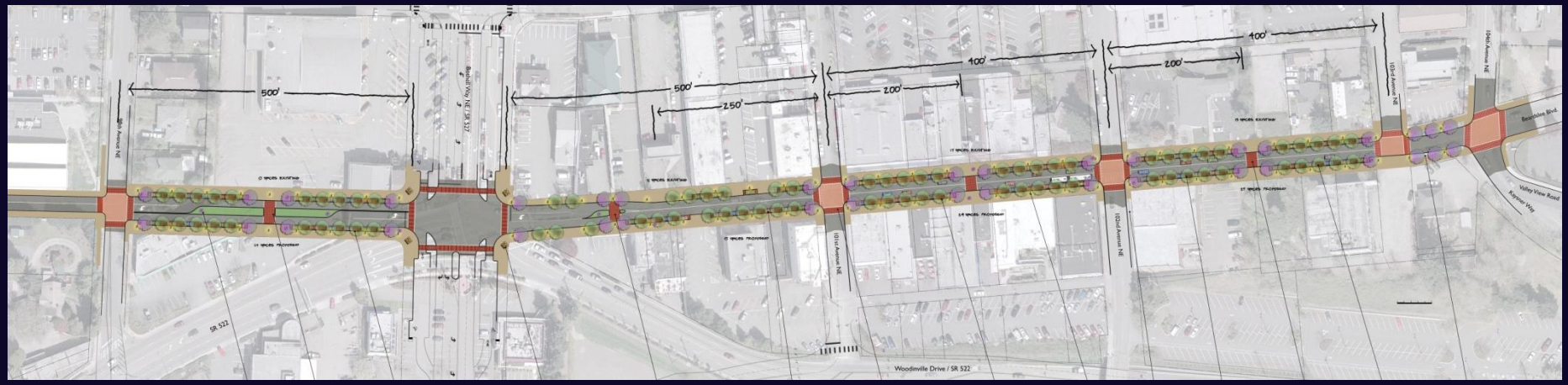
Conceptual Design

Main Street Enhancement and Extension Project



Bothell, Washington

June 11, 2009

Berger/ABAM Engineers and Cascade Design Collaborative, Inc

For Main Street Bothell to succeed it must be both functional and operational (O and M) as well as vibrant and aesthetically pleasing.

Great Streets Are:

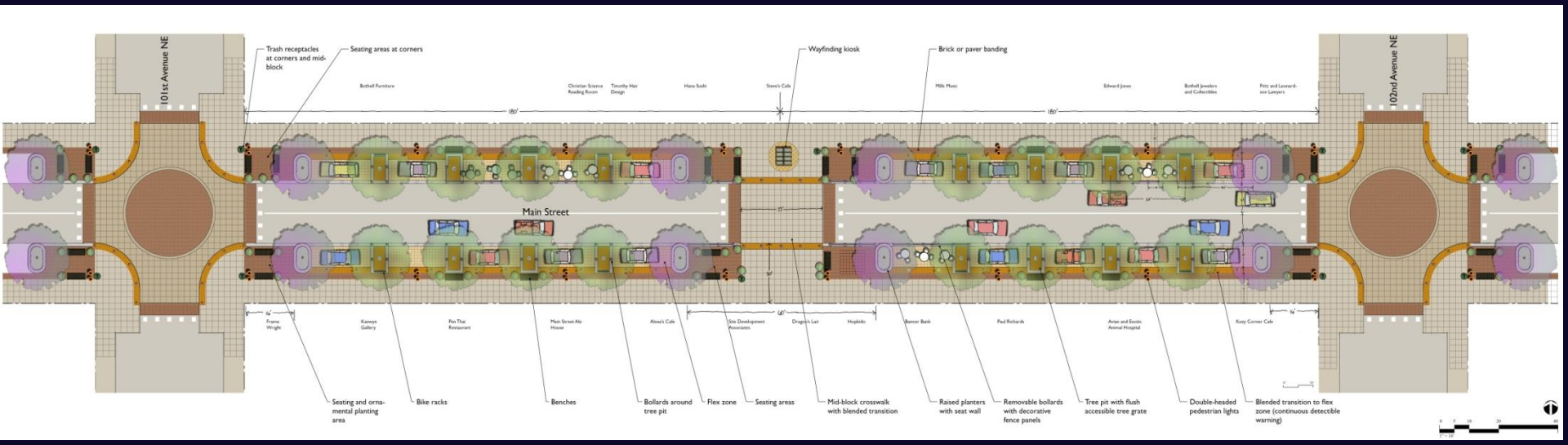
- *Vibrant 18-24 hours a day*
- *“Complete” Safe, provide parking, balances all users*
- *Walkable – comfortable, interesting and healthy*
- *Unique to their community, character and include some historic and art elements*
- *Coherent and legible in their form and function*
- *Enclosed by active retail and supported by residential and commercial uses*
- *Sustainable actions in design and life-cycle costs – based on ICLEI – climate change initiatives*

Questions to answer:

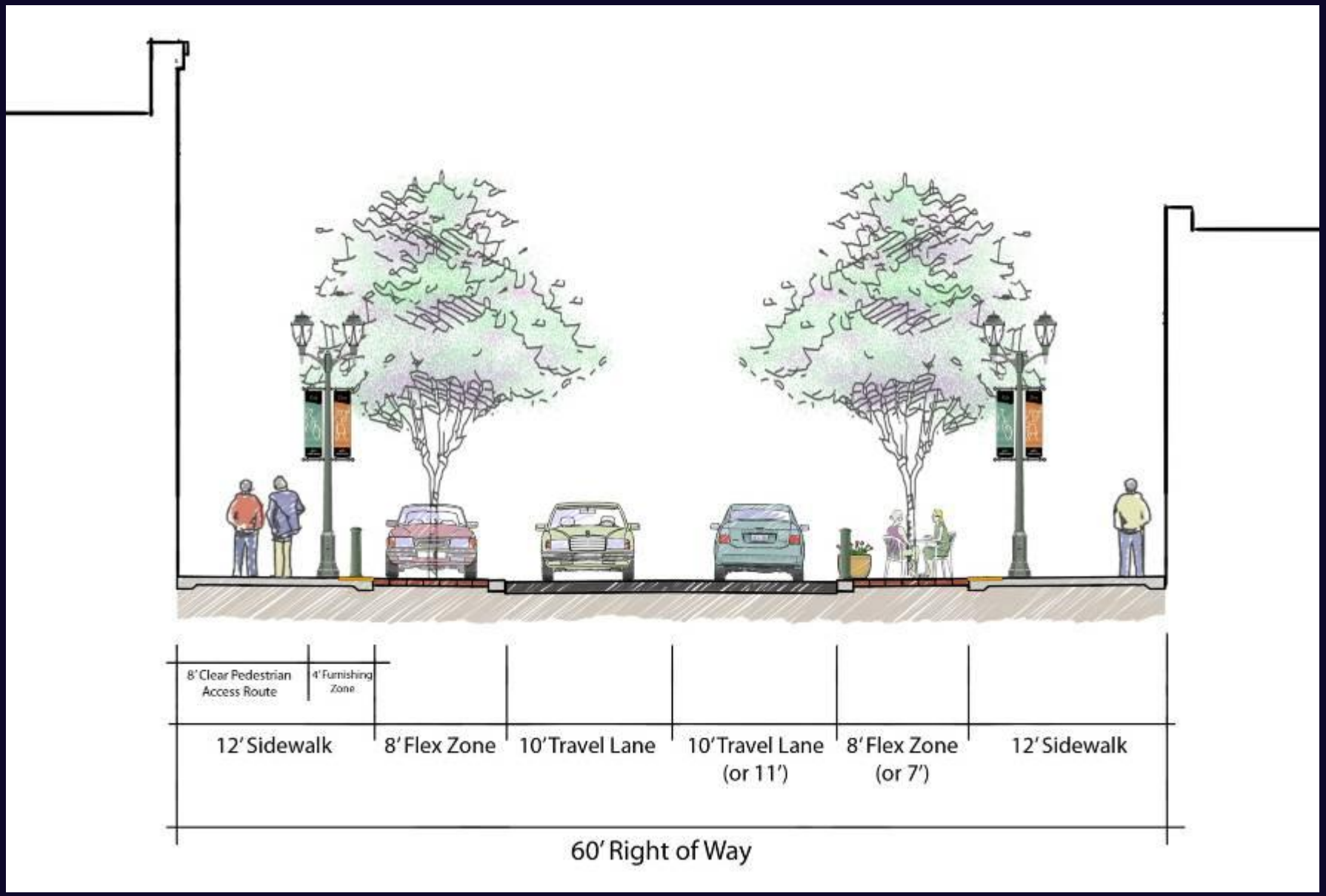
1. Public gathering space - balance between parking and pedestrian spaces
2. Flexible zones and barriers
3. Sidewalks
4. Landscaping – street trees and shrub beds
5. Street furnishings
6. Lighting
7. Art elements
8. Overall conceptual design

Design Concept

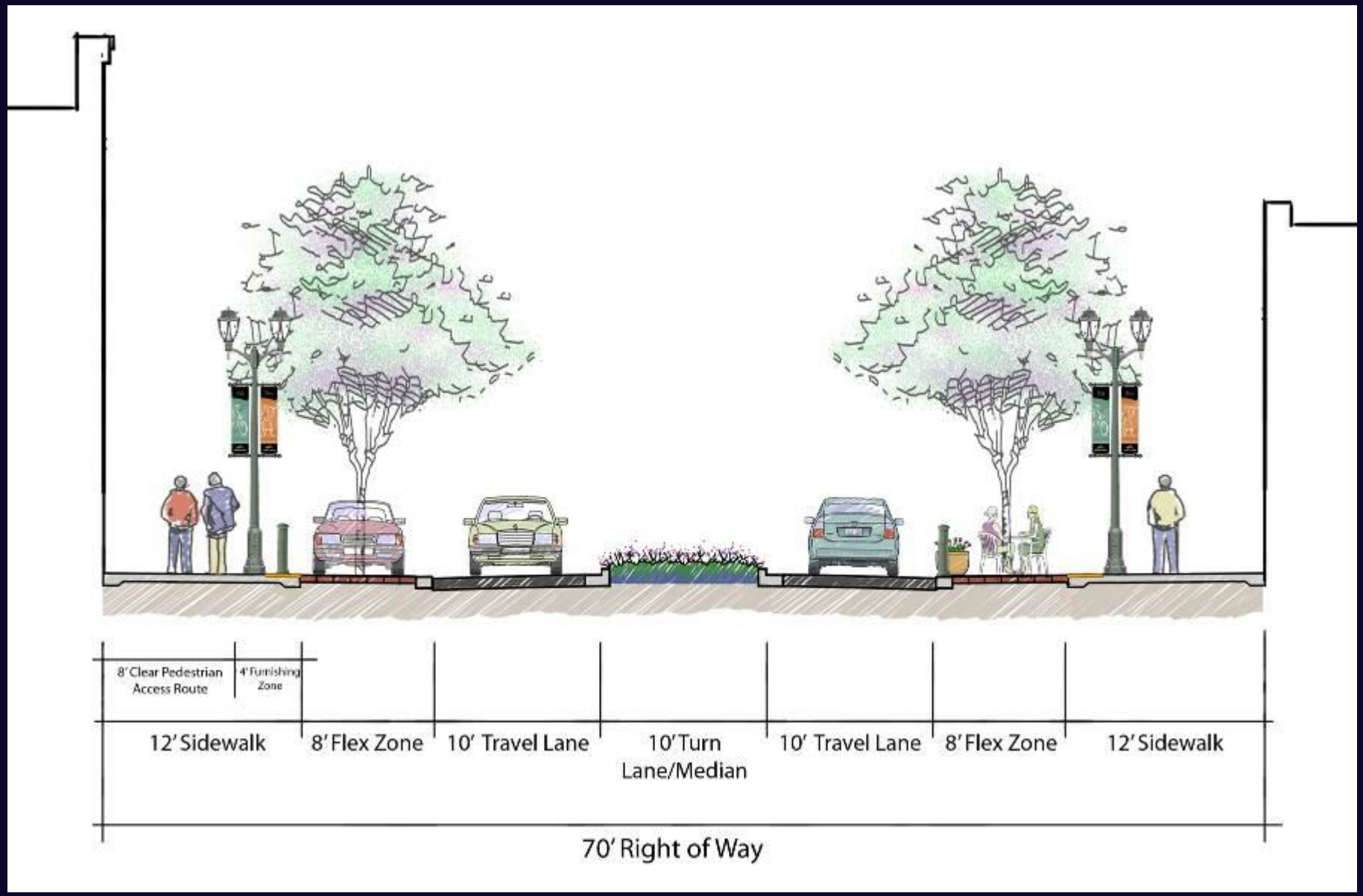
Conceptual Layout



Prototypical Block



Prototypical Section – Enhancement Blocks



Prototypical Section – Extension Block

Photo credit: www.pedbikeimages.org/Ryan Snyder

Flex Zone Concept

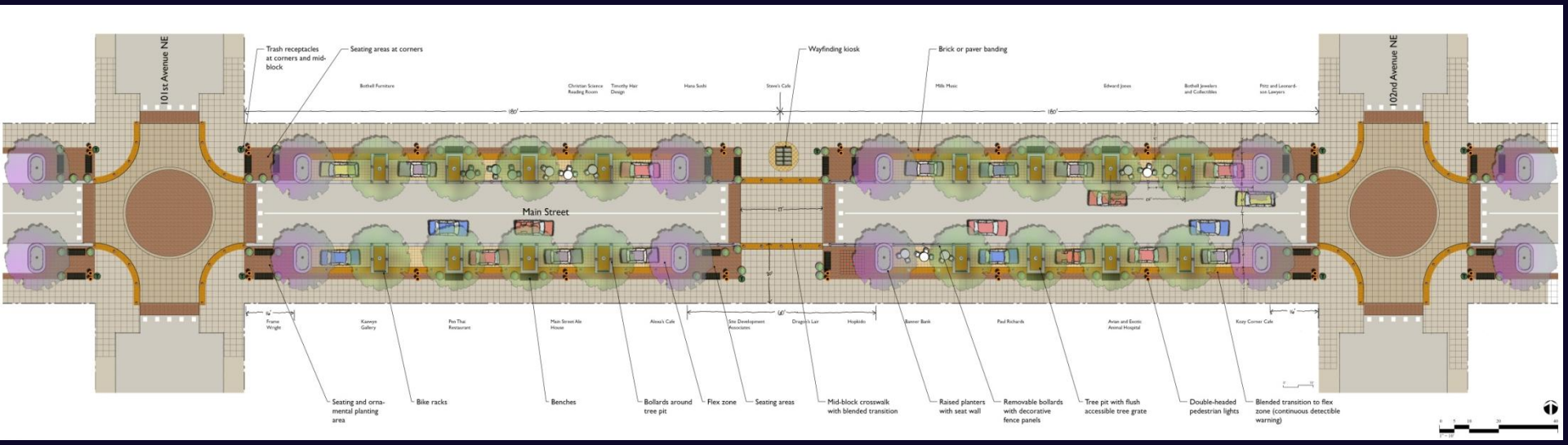
Prototypical Block Model

Prototypical Block Model

Prototypical Block Model

Prototypical Block Model

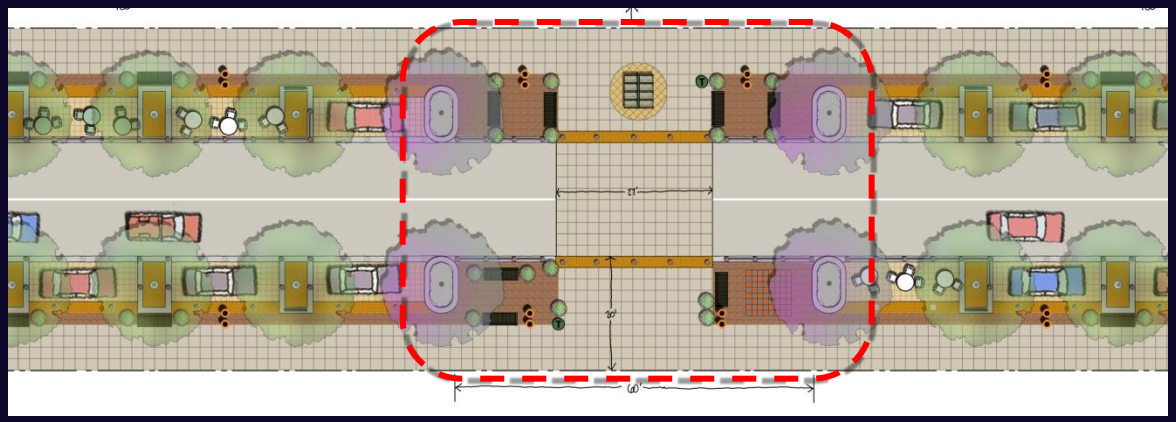
Prototypical Block Model

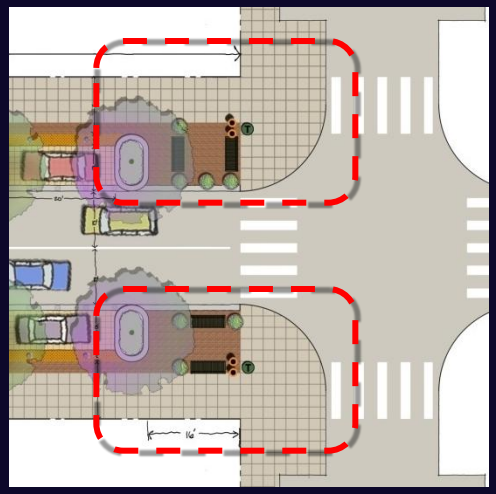


Prototypical Block

Public Gathering Space

Public Gathering Space



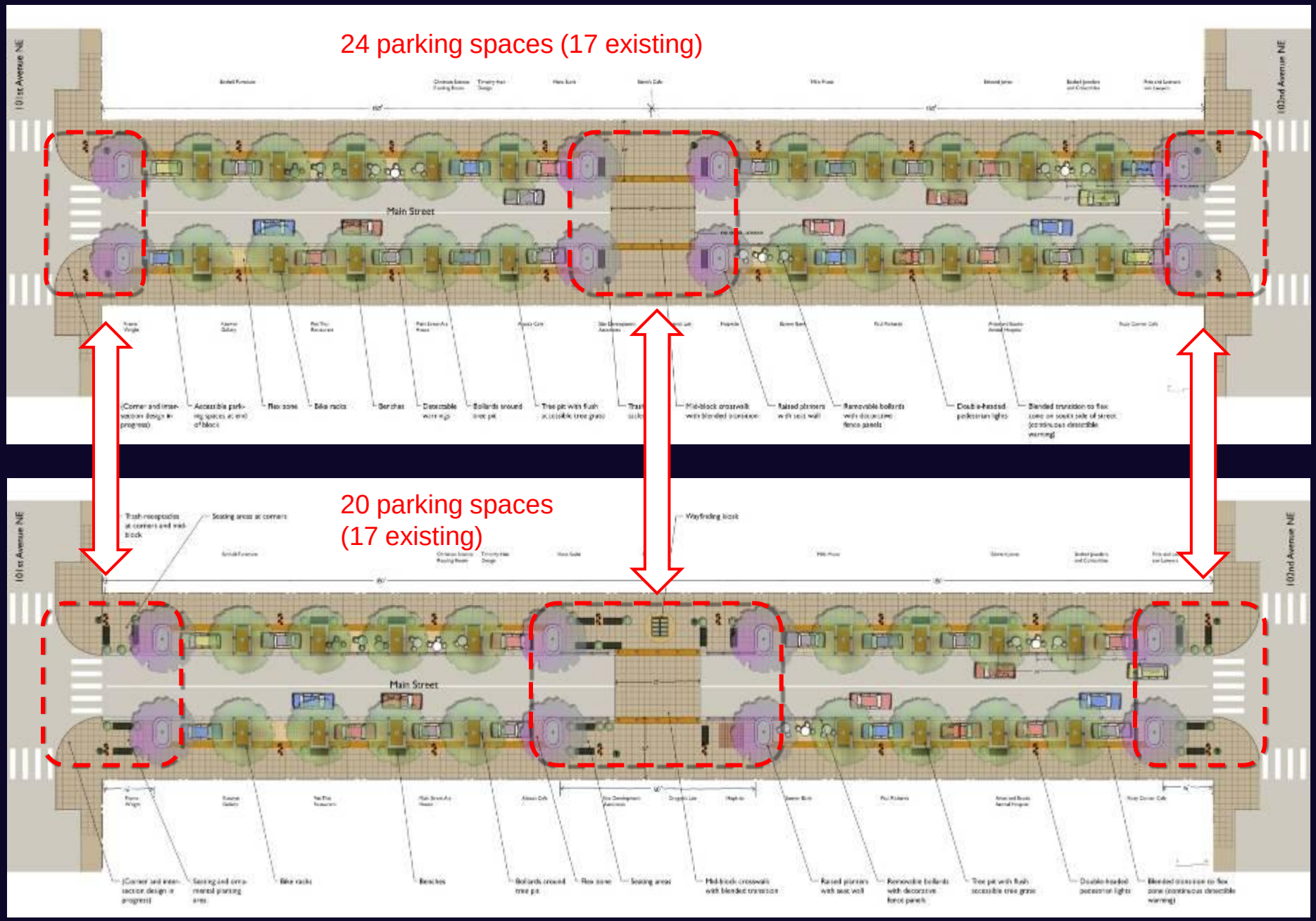


Public Gathering Space

IN SQUARE FEET (SF)	EXISTING
SIDEWALK	6201
SOCIAL	2538
TOTAL PEDESTRIAN	8739
LANDSCAPE AREAS	216

	EXISTING
PARKING STALLS	17
TREES	12

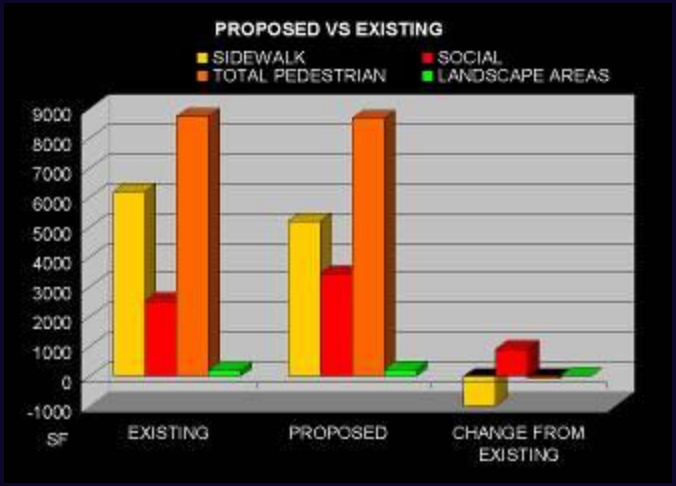
Space Allocation - Existing

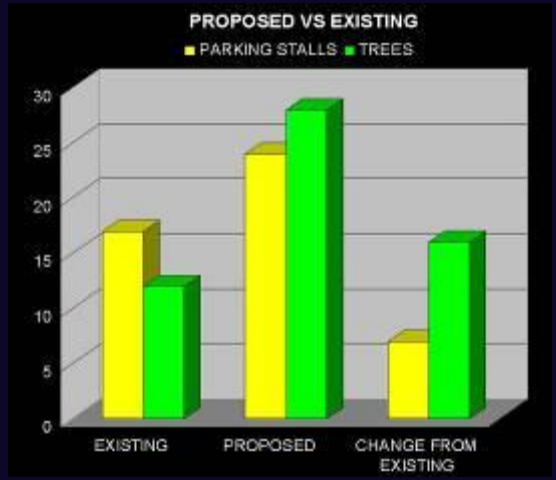


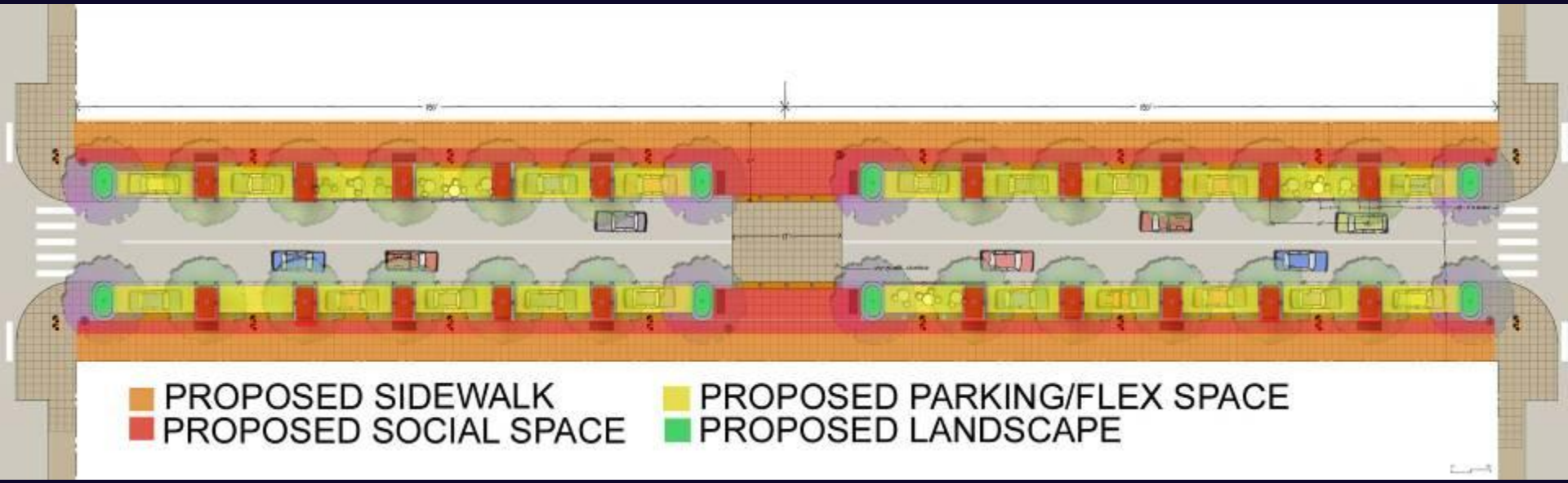
What should the balance between parking and permanent pedestrian space be?

IN SQUARE FEET (SF)	EXISTING	PROPOSED	CHANGE FROM EXISTING
SIDEWALK	6201	5213	-988
SOCIAL	2538	3459	921
TOTAL PEDESTRIAN	8739	8672	-67
LANDSCAPE AREAS	216	230	14

	EXISTING	PROPOSED	CHANGE FROM EXISTING
PARKING STALLS	17	24	7
TREES	12	28	16



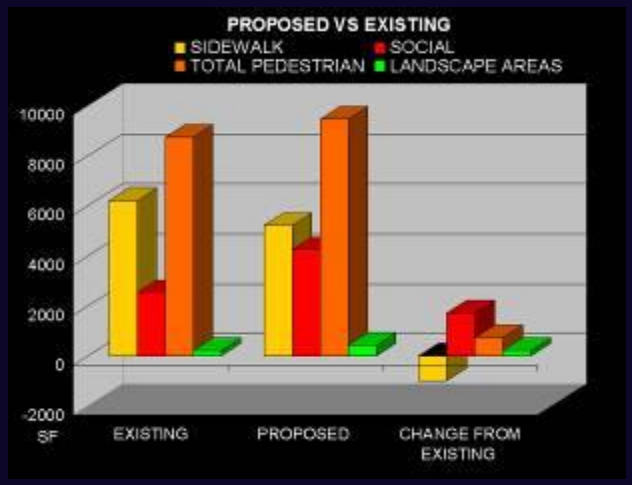


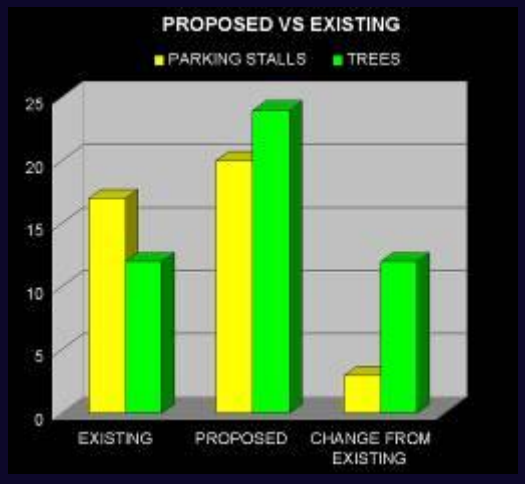


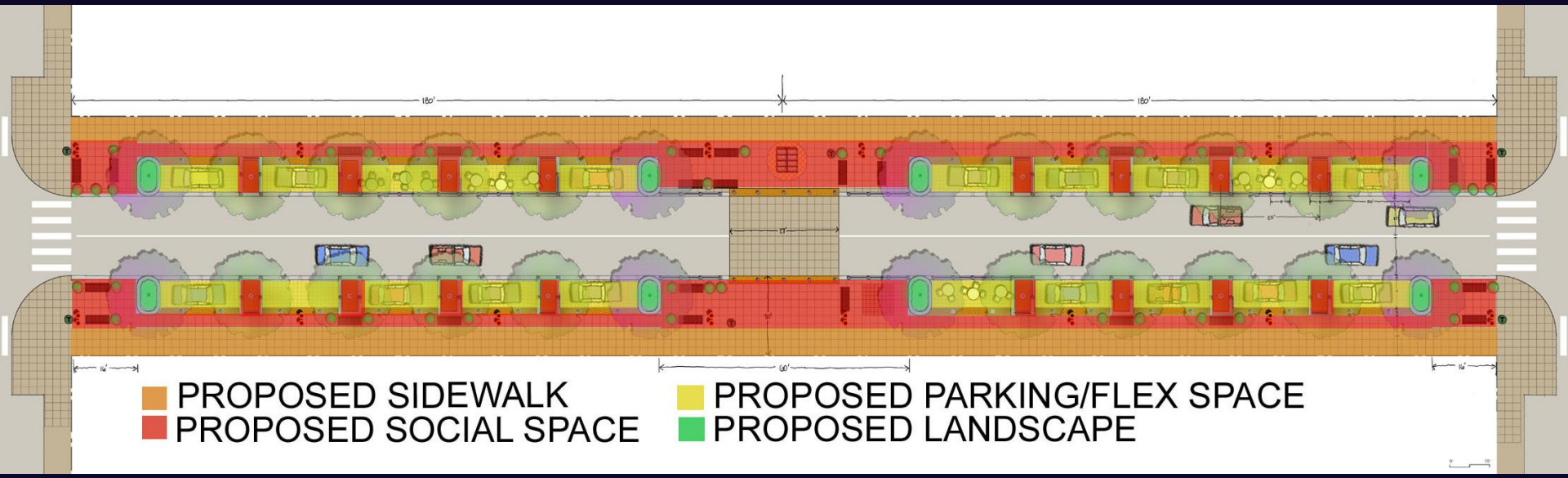
Space Allocation – Parking Bias

IN SQUARE FEET (SF)	EXISTING	PROPOSED	CHANGE FROM EXISTING
SIDEWALK	6201	5213	-988
SOCIAL	2538	4252	1714
TOTAL PEDESTRIAN	8739	9465	726
LANDSCAPE AREAS	216	435	219

	EXISTING	PROPOSED	CHANGE FROM EXISTING
PARKING STALLS	17	20	3
TREES	12	24	12





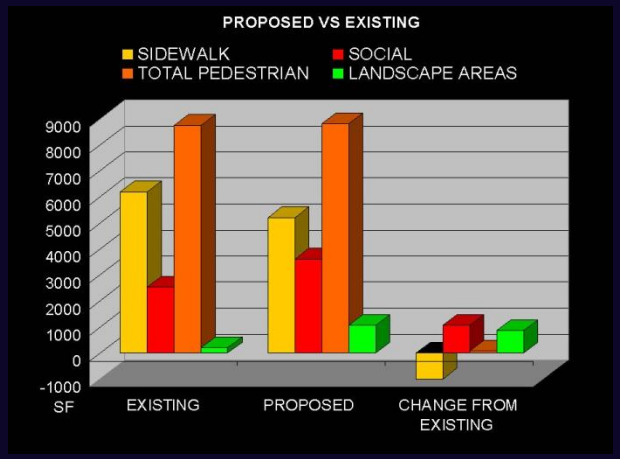


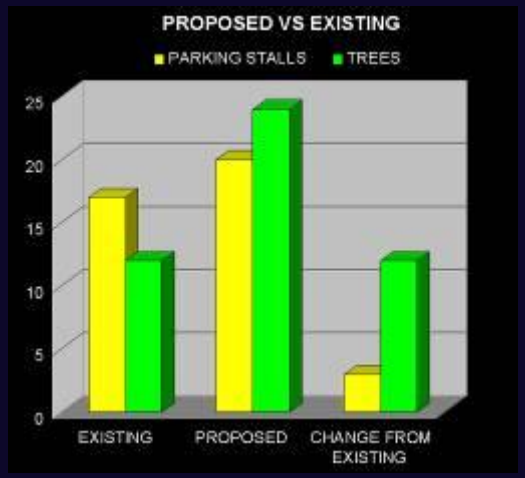
Space Allocation – Public Space Bias

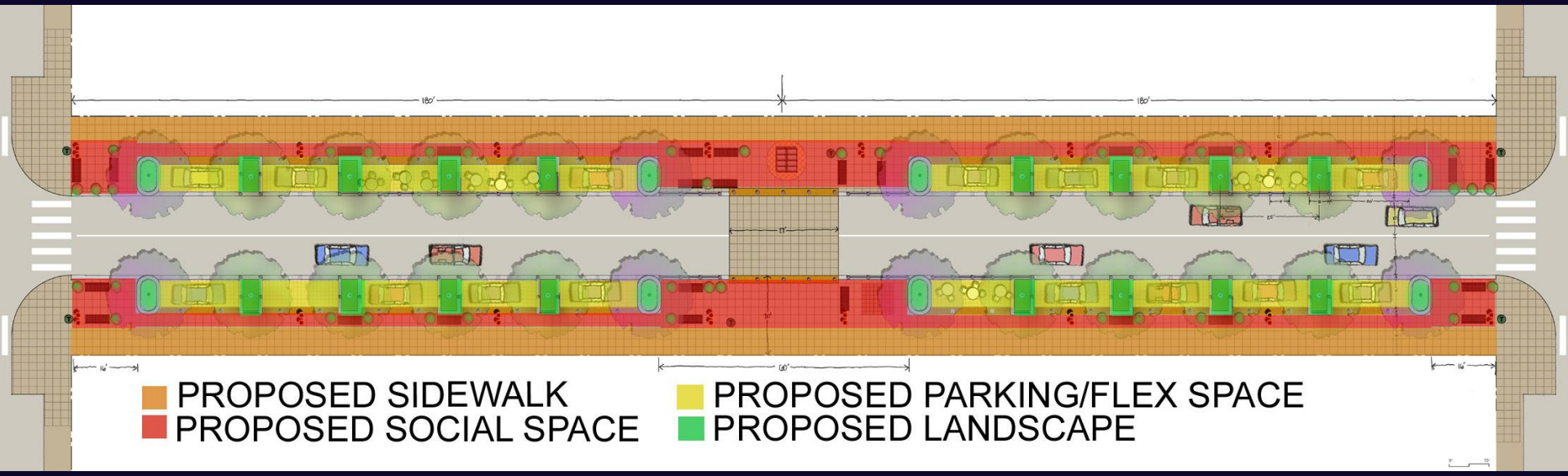
What should the balance between useable hardscape and landscaping be?

IN SQUARE FEET (SF)	EXISTING	PROPOSED	CHANGE FROM EXISTING
SIDEWALK	6201	5213	-988
SOCIAL	2538	3612	1074
TOTAL PEDESTRIAN	8739	8825	86
LANDSCAPE AREAS	216	1075	859

	EXISTING	PROPOSED	CHANGE FROM EXISTING
PARKING STALLS	17	20	3
TREES	12	24	12







Space Allocation – Public Space Bias with More Planting

Public Gathering Spaces

Questions:

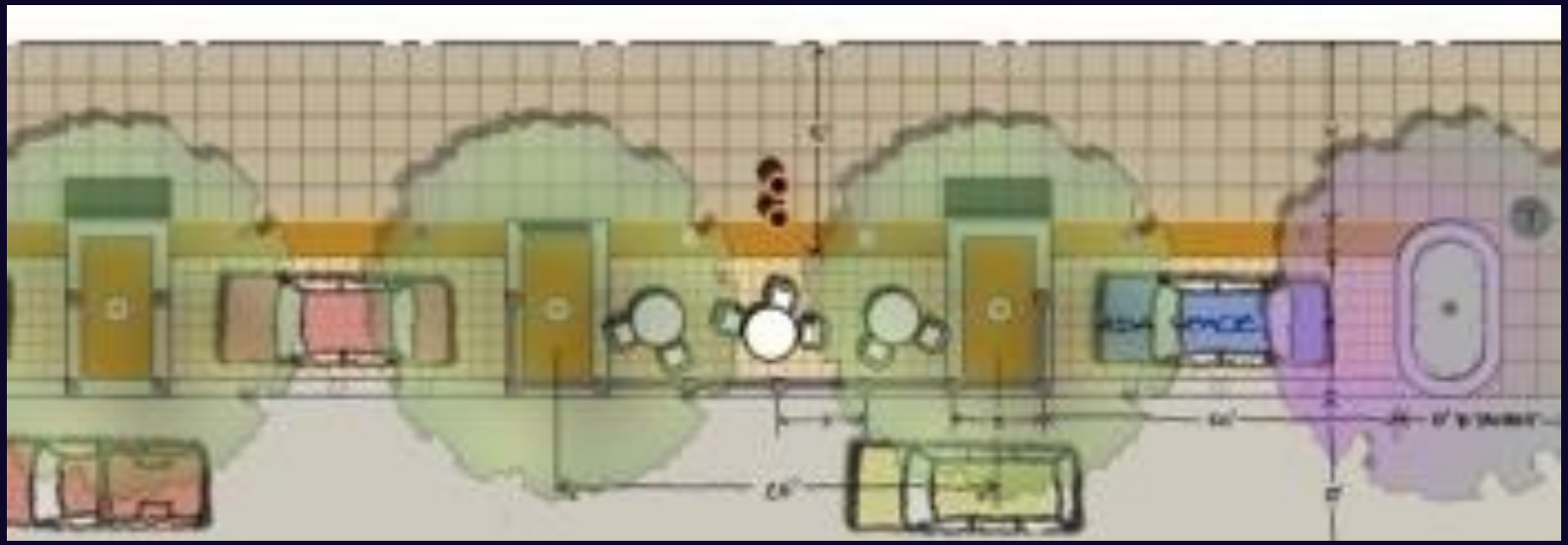
1. Public gathering spaces should be:

a) Always available – included within the sidewalk area

b) Available sometimes – included in the flex zone

c) Combination of both of the above?

Flexible Zone

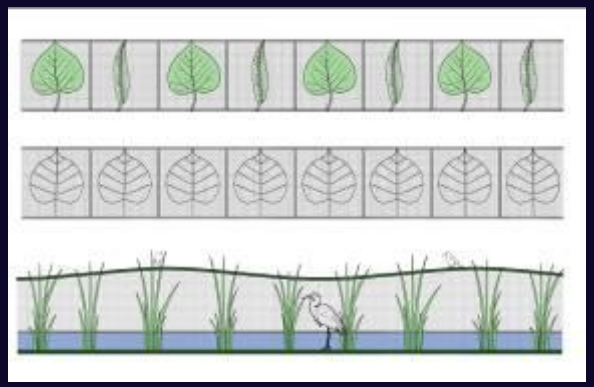


Flexible Zone Concept

Flexible Zone - Examples

Flexible Zone – Possible Uses

Flexible Zone – Enclosure Options (Castro Street)



Flexible Zone – Enclosure Options

Questions:

2. Flex zone enclosure options:

a) Solid decorative concrete barrier

b) 2’ high planter with low shrubs?

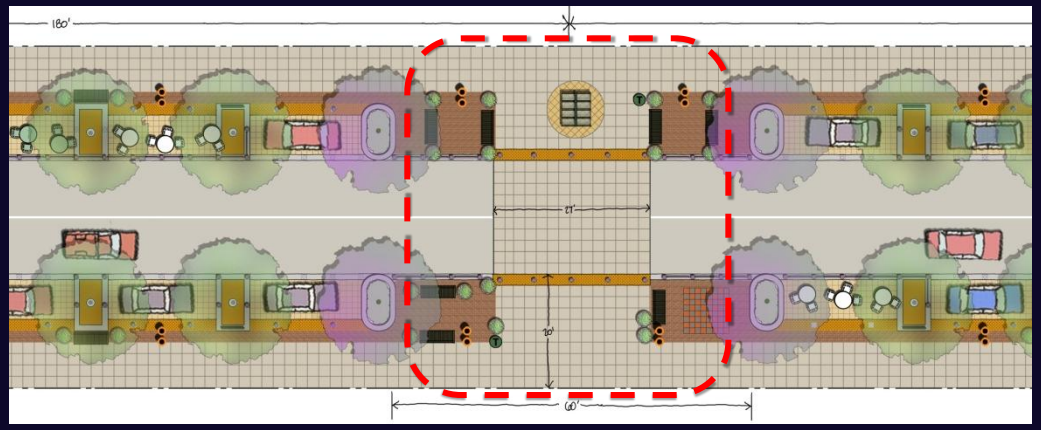
c) Bollards and fences?

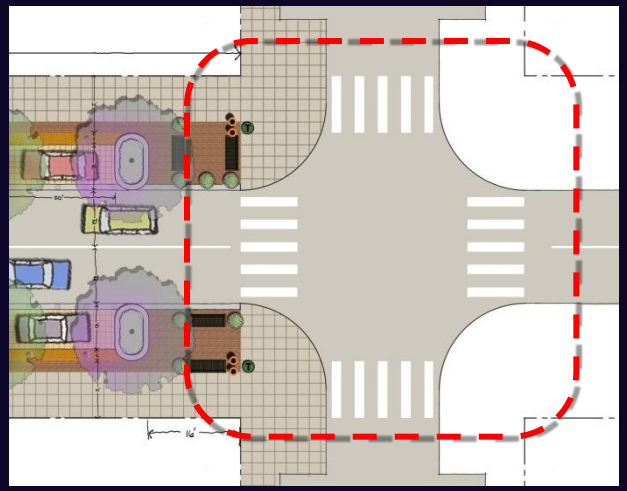
Sidewalks, Intersections, and Crosswalks

- Brick
- Concrete unit pavers
- Scored concrete

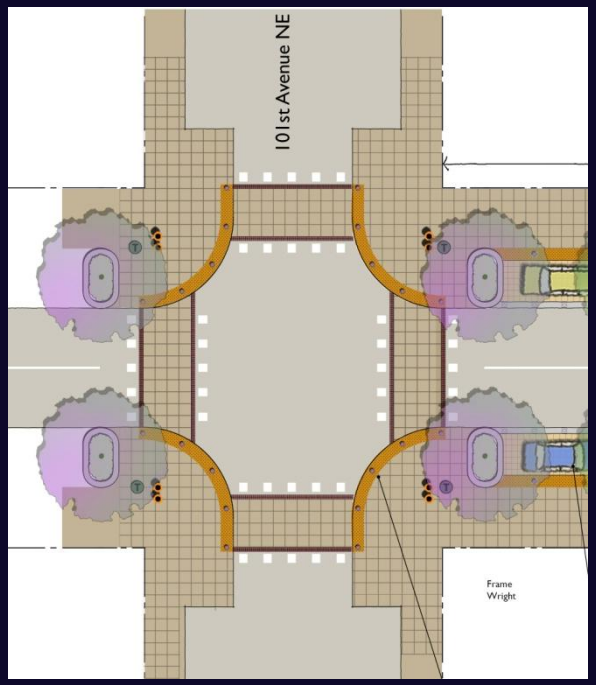
Sidewalk Paving

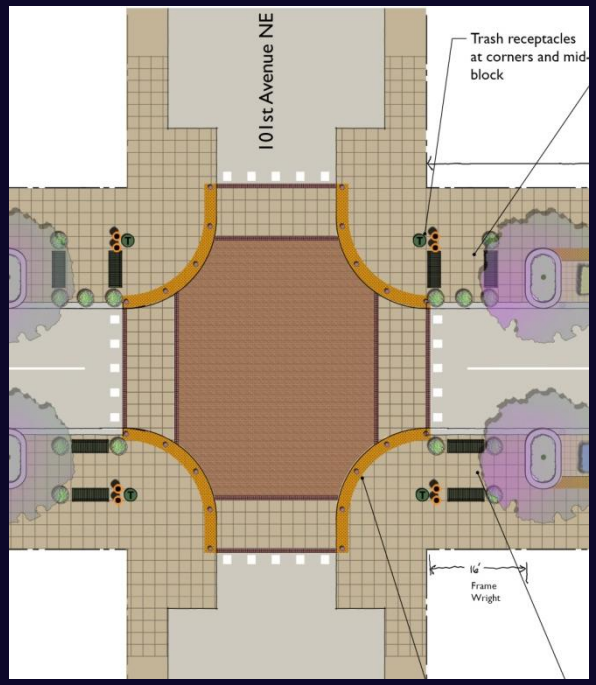
- Brick and granite (Portland)
- Colored concrete (Long Beach)
- Brick (Redmond Town Center)
- Stone pavers (Westlake Plaza)
- *Design gives pedestrians priority*

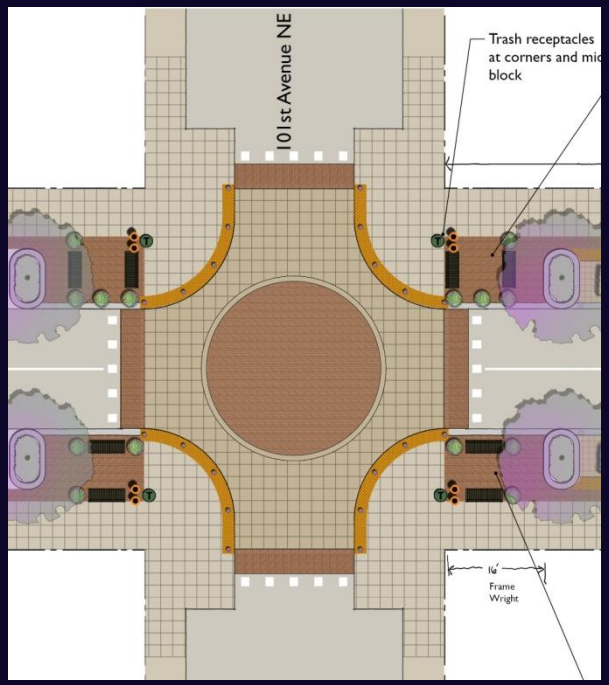




Intersections and Crosswalks







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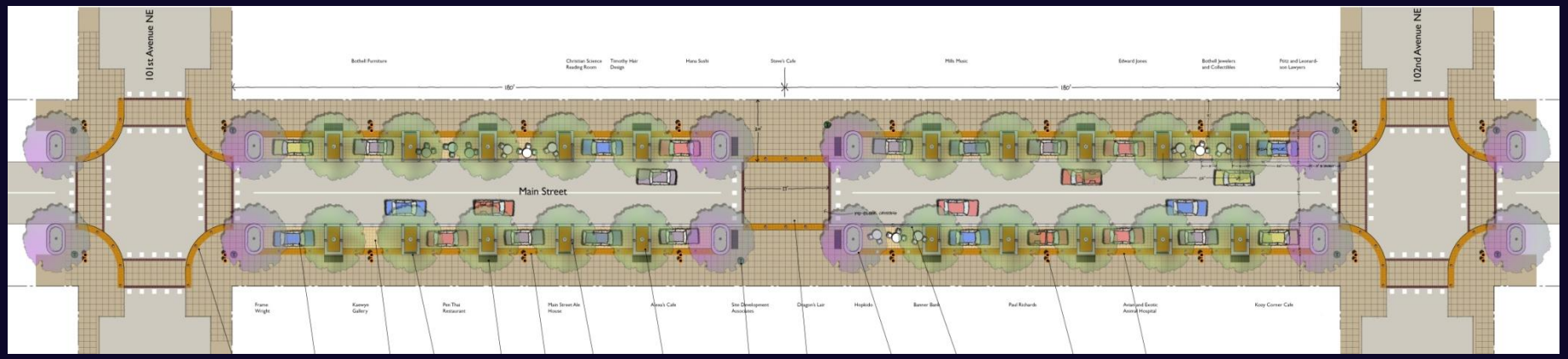
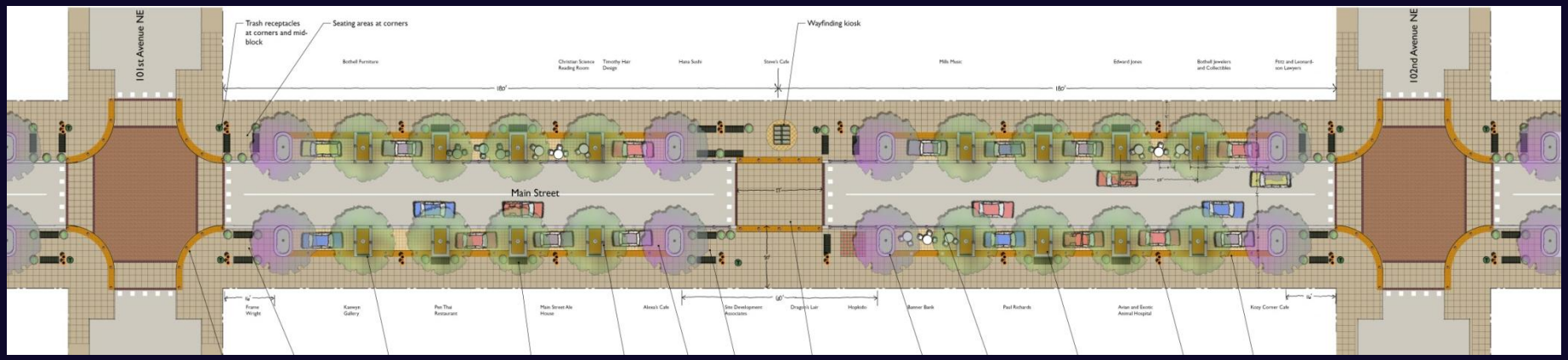
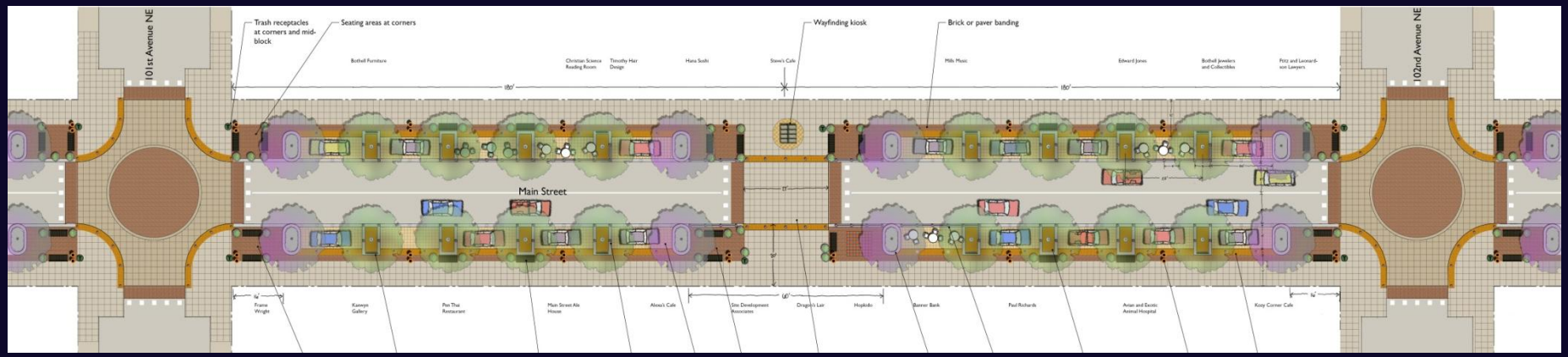


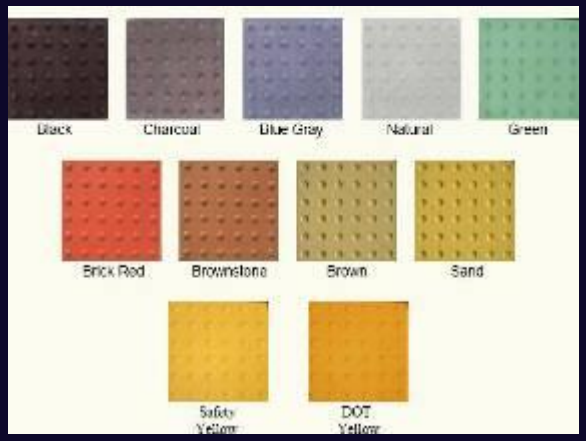


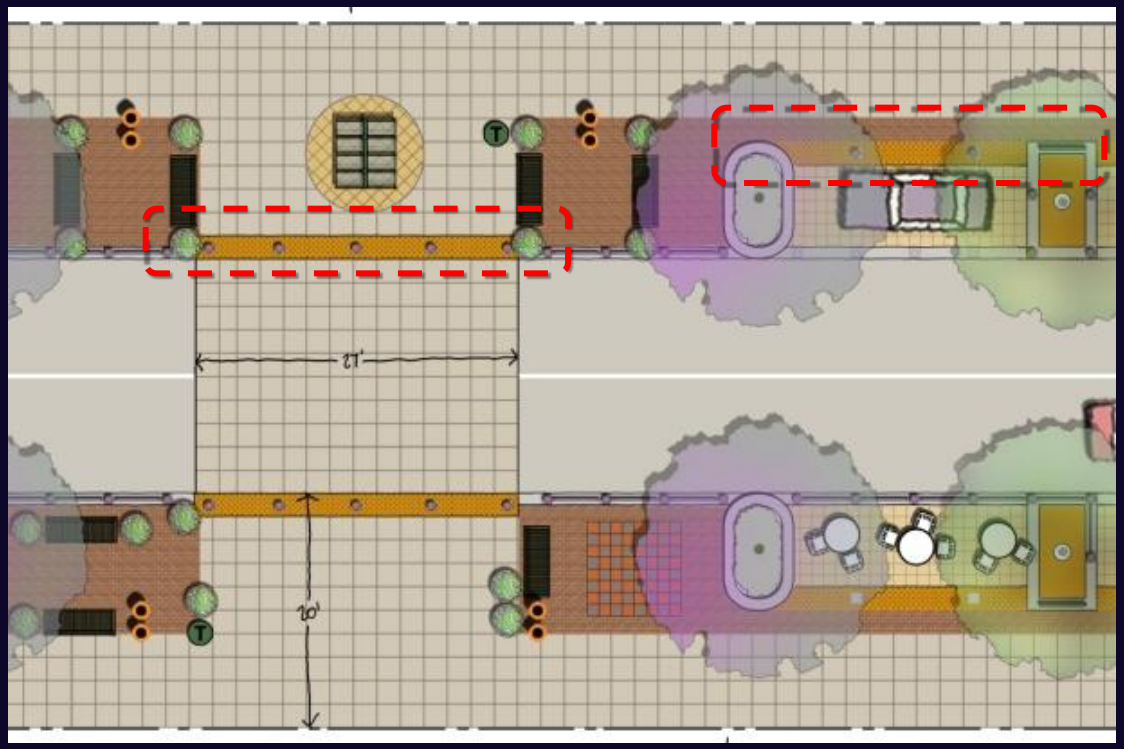


Intersections and Crosswalks options

- Concrete
- Stamped Asphalt with Inlaid Thermoplastic
- Brick
- Cobbles or stone (outside banding only)

Intersections and Crosswalks





ADA - Detectible Warnings

Sidewalk Features and Activities

Seating

Planting

Art

Formal activities

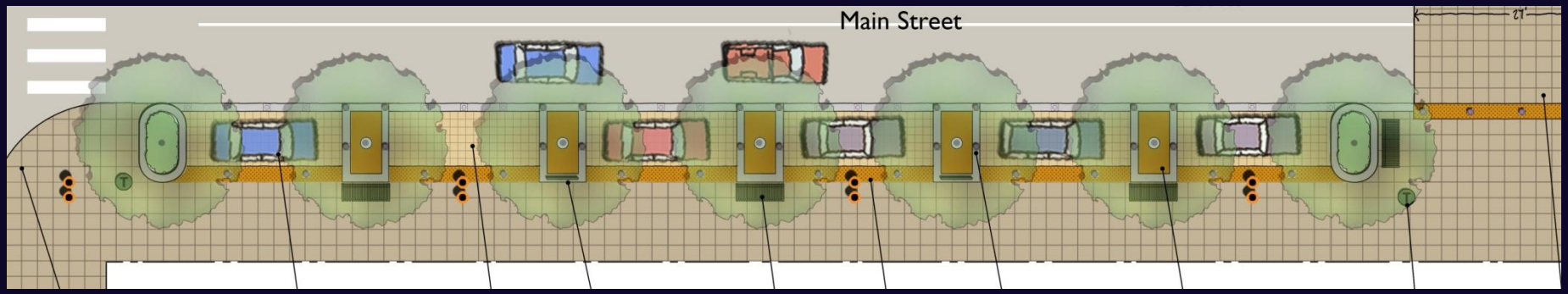
Street vendors

Sidewalk Features and Activities

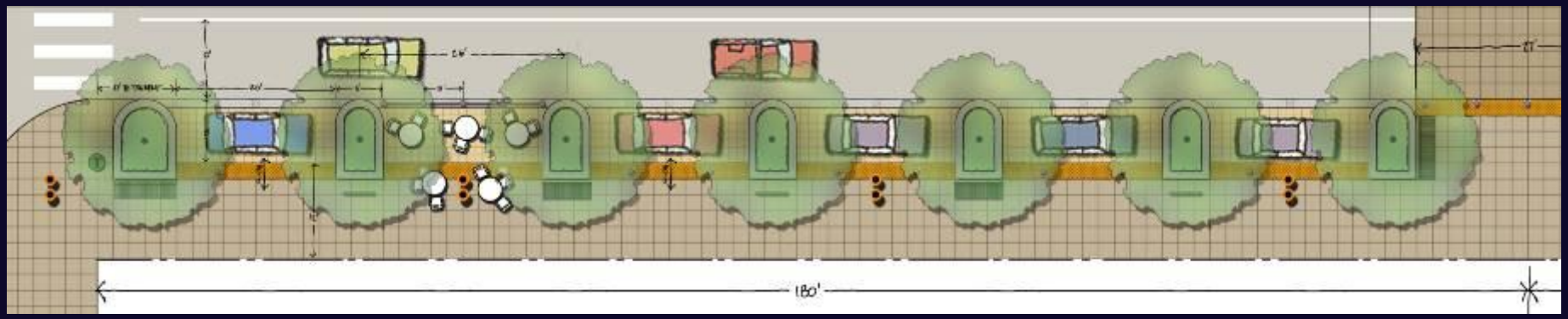
Questions:

3. What street features and activities would you like to see in the sidewalk spaces?

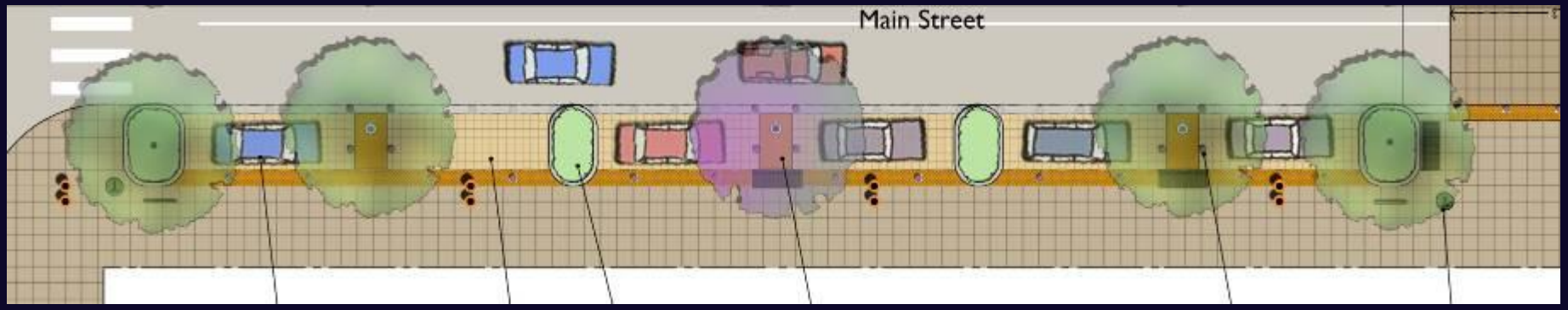
Planting



Tree Grate - creates an open more continuous ground plane (more transparency)

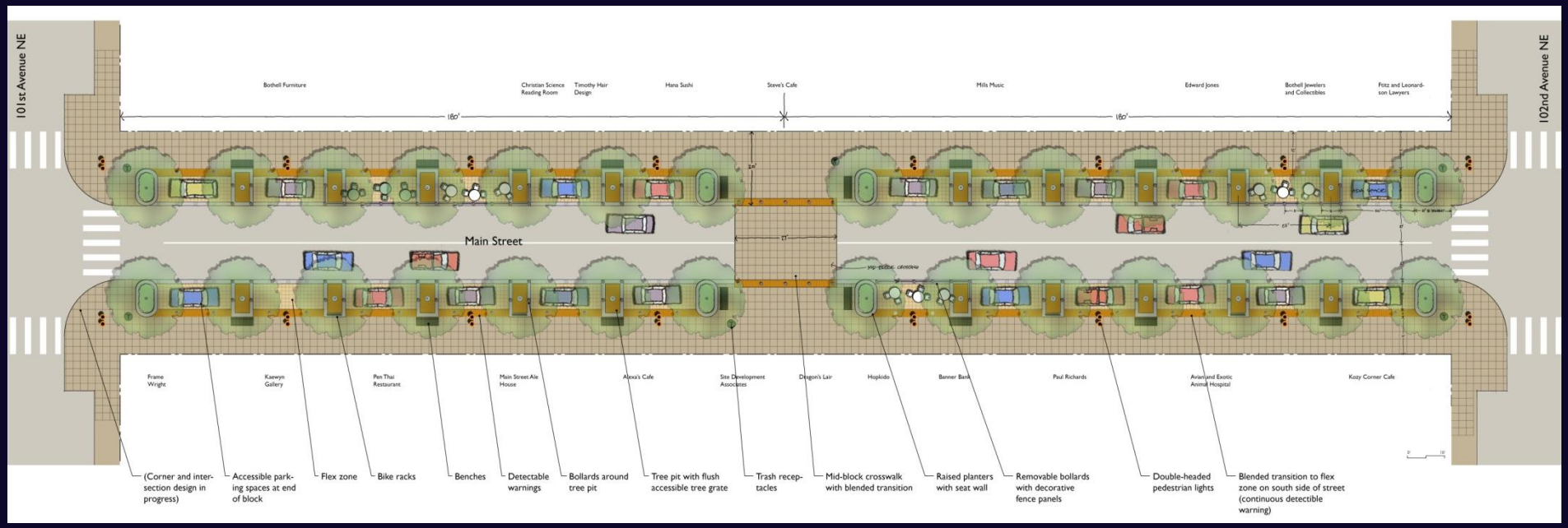


Raised planters - create “rooms” (less transparency)



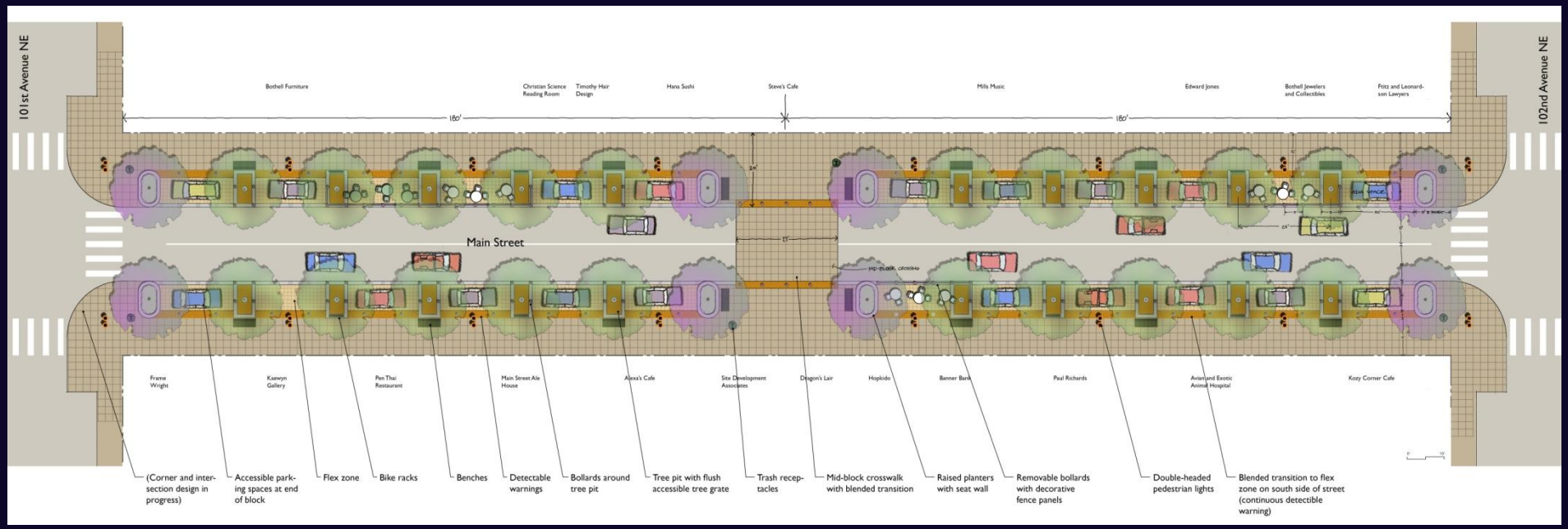
Clustered street trees – combines the above two concepts with bigger openings along block (most transparent)

Planters – Type and Visibility



Evenly spaced, single species

Planting – Street Trees



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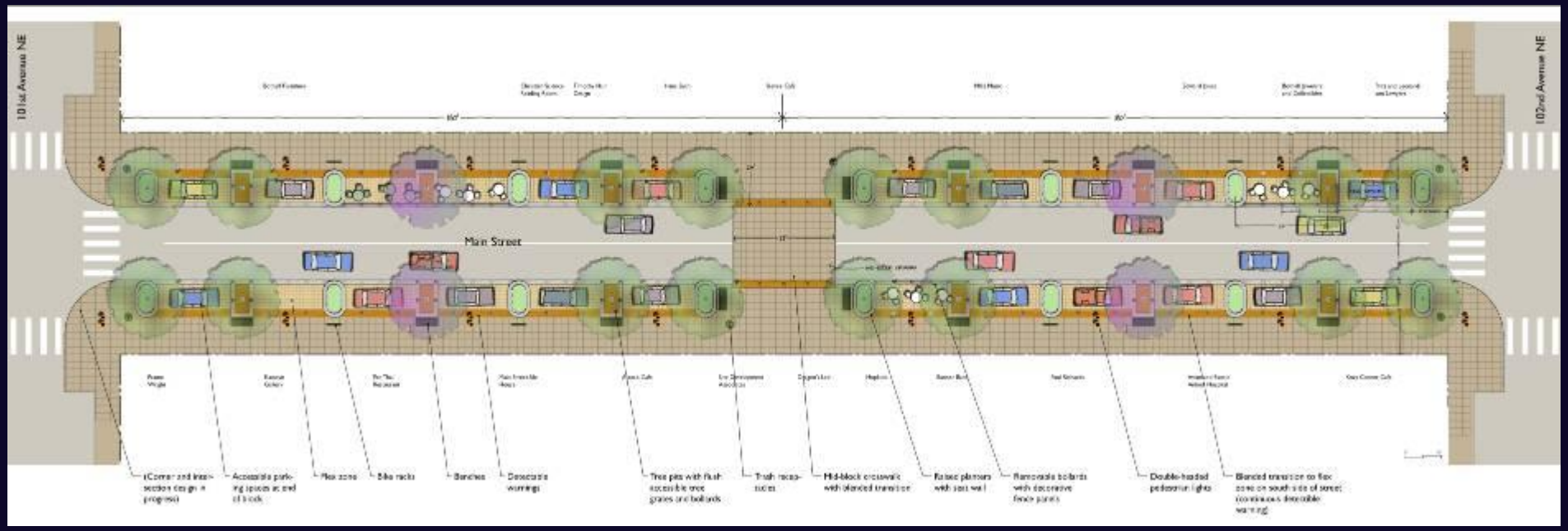
Planting – Street Trees



Clustered, multiple species

Planting – Street Trees

Questions:

4A. Landscaping – Street trees and shrubs

Do you prefer:

a) Evenly spaced trees with single species
b) Evenly spaced trees with two species
c) Clustered street trees with openings and 2 to 3 species?

Hanging baskets

Raised planters with seat wall

At-grade planters

At-grade tree grate

Planters

In parking lane/flex zone

In sidewalk with grate

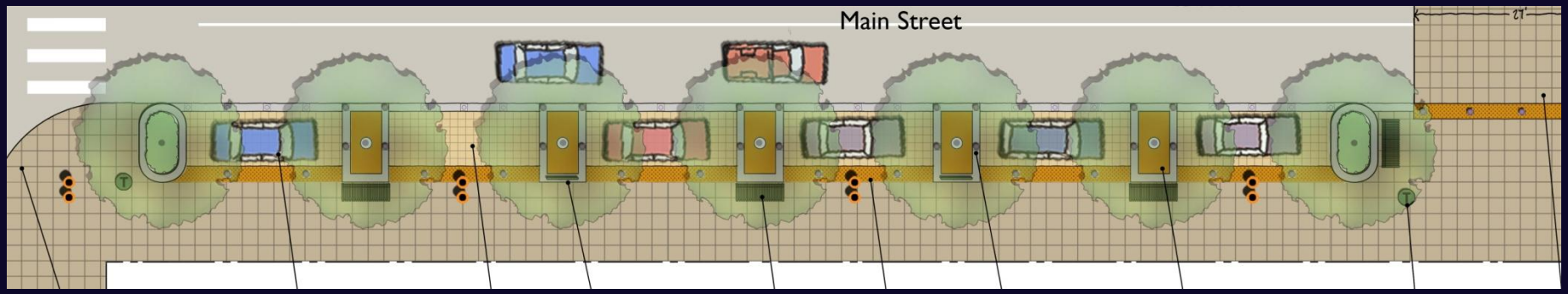
In sidewalk with raised edge

In sidewalk with cobbles

In sidewalk with continuous planter

Planters – Street Trees

Planters – Rain Gardens



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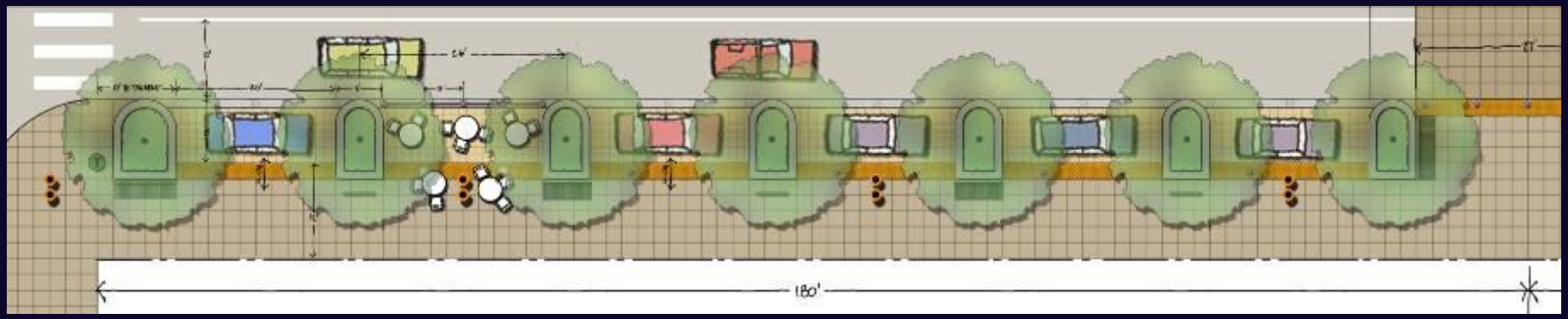

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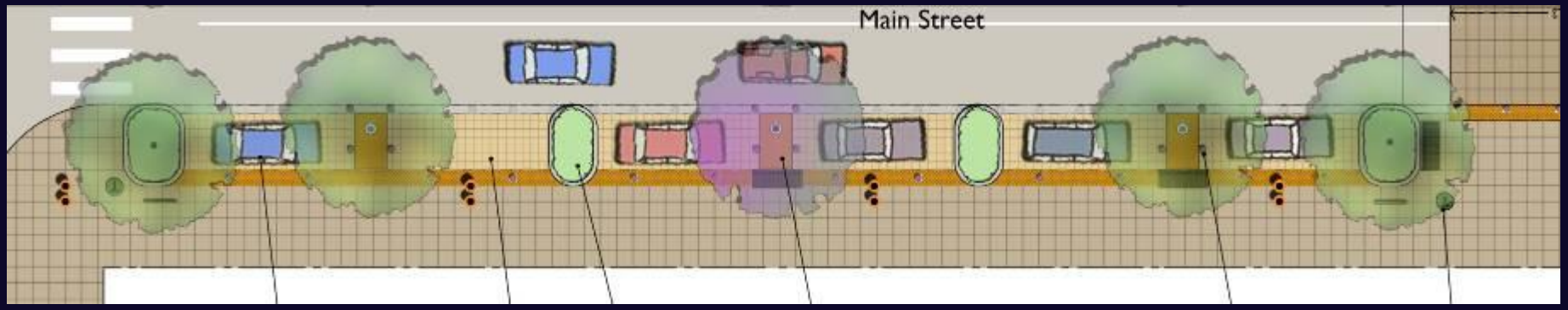


Clustered street trees – combines the above two concepts with bigger openings along block (most transparent)

Planters – Type and Visibility

Questions:

4B. Low shrub beds should be located:

a) Within tree pits

b) Adjacent to intersection crosswalks

c) Adjacent to mid-block crossing

d) All of the above

Street Furnishings

Family of furnishings

Street Furnishings

Street Furnishings - Benches

Street Furnishings – Bicycle Parking

Street Furnishings – Street Clocks

Questions:

5. Should the furniture for Main Street be same or unique to the multi-way boulevard?

a) Identical to the multi-way boulevard?

b) Identical furniture to boulevard with additional unique furniture elements?

c) Similar to boulevard but unique for Main Street?

Street Lights

Lighting

Lighting – Seasonal “Twinkle” Lights

Lighting – Special

Questions:

6. Should additional festival lights, lighted bollards and/or up-lighting for trees also be provided?

a) Yes

b) No

Art Elements

Existing elements will be incorporated into new design

NW VERNON PL
ALLARD AVE NW

BARBARY COAST TRAIL
This Plaque Sponsored By
SF ARTS & HUMANITIES SEMINARS ELDERHOSTEL

BURIED
SHIPS

Art

Art

Art

Questions:

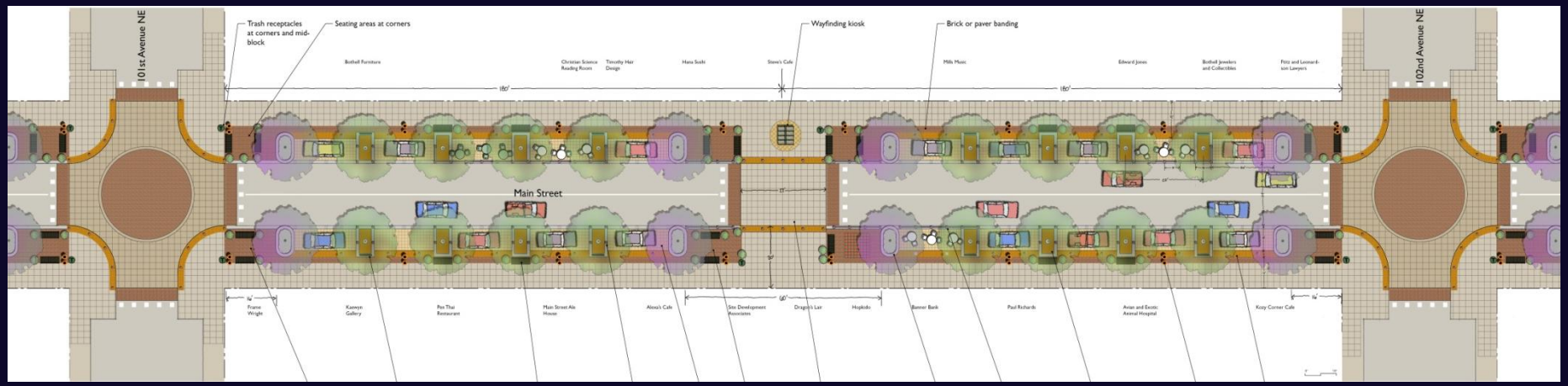
7. Should art be:

a) Individual stand alone elements?

b) Integrated into other more functional street furnishings?

c) Both of the above?

8. How well does the Main Street design concept meet your vision for how Downtown Bothell should look and feel?



Thank you for your comments!