



Rong Ivy Sui  
**PORTFOLIO**

Academy of Art University   San Francisco, California



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# Buchanan Street Design

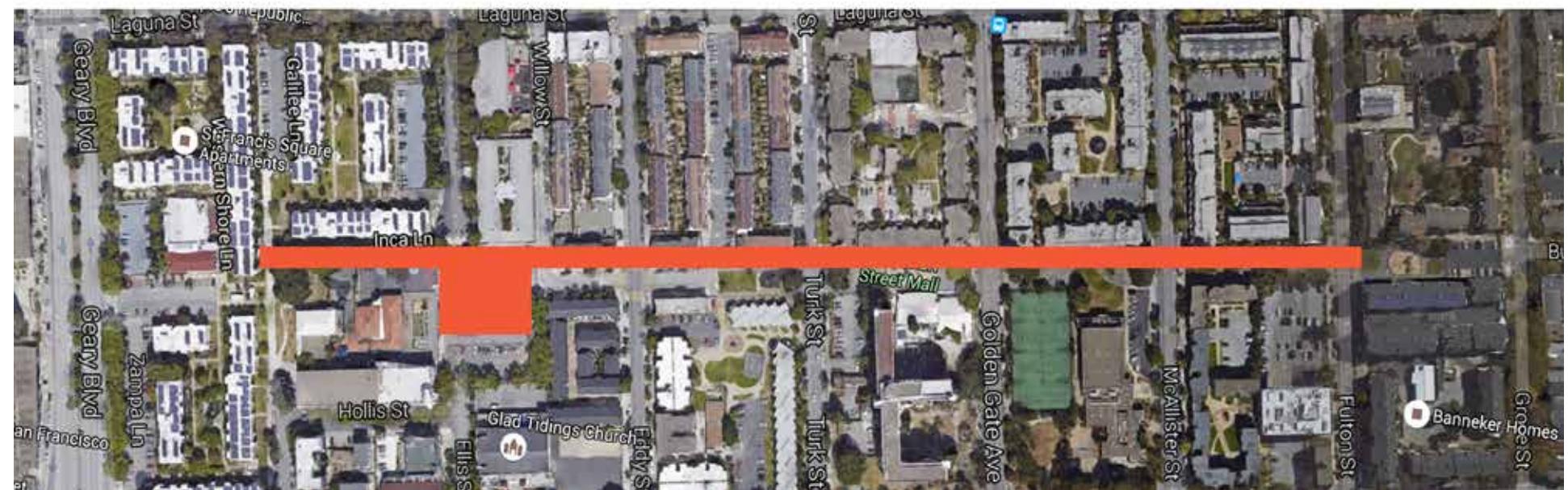
Course: LAN 660- Designing Public Space Studio

Semester: Fall 2015

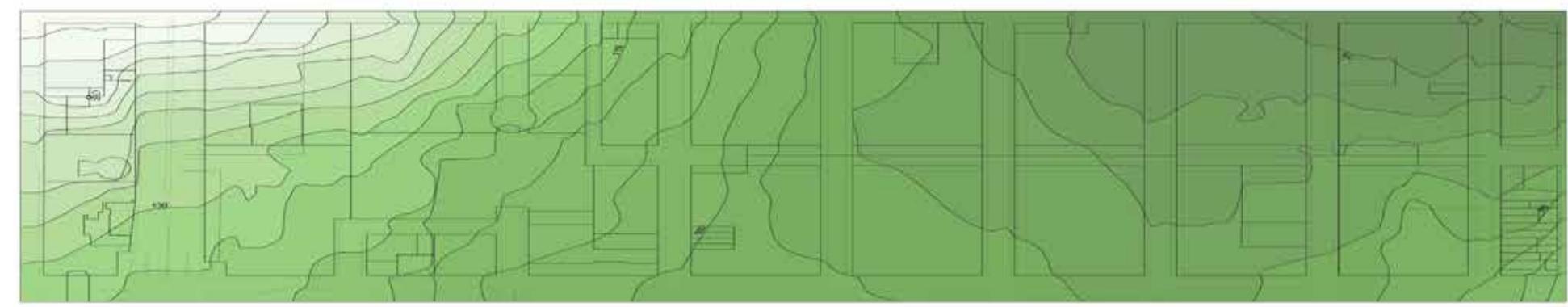
Instructor: Wright Yang

This project is located in Japantown, in San Francisco. The site is an urban park with a pedestrian path that connects Buchanan St. from north to south, and run between Geary Blvd and Grove St. The site is surrounded by residential buildings with Rosa Parks Elementary School.

## Location



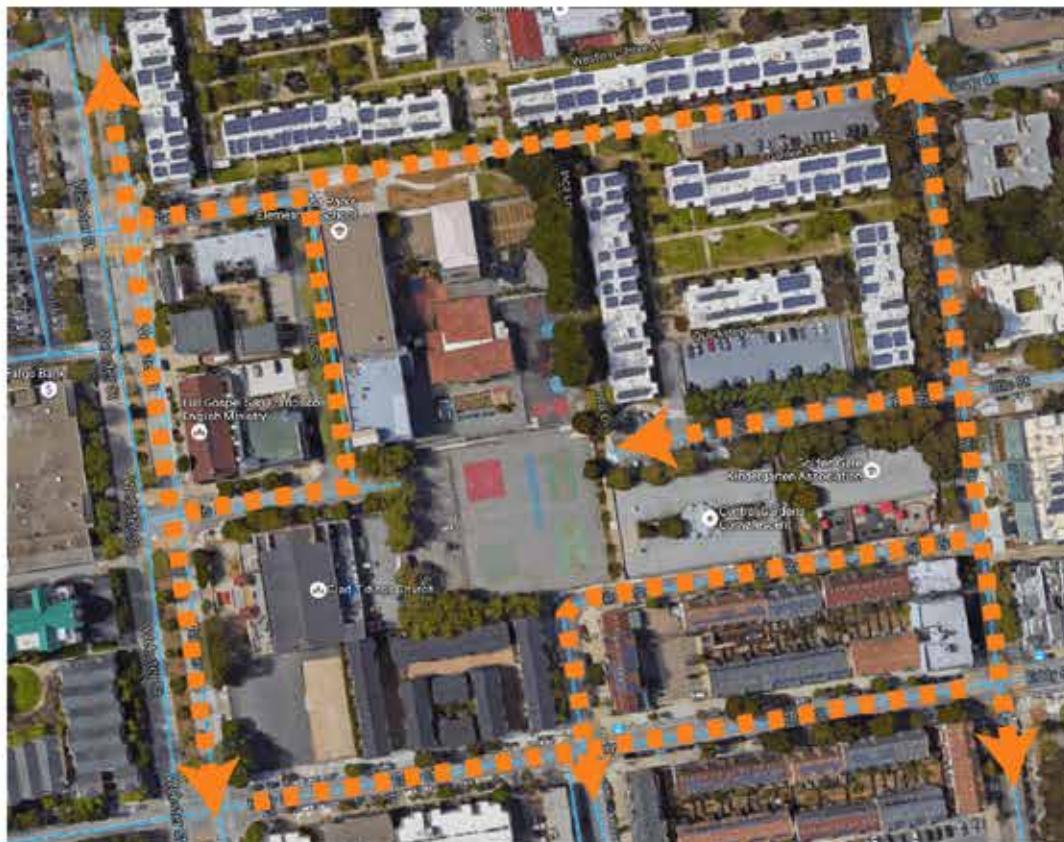
## Topography



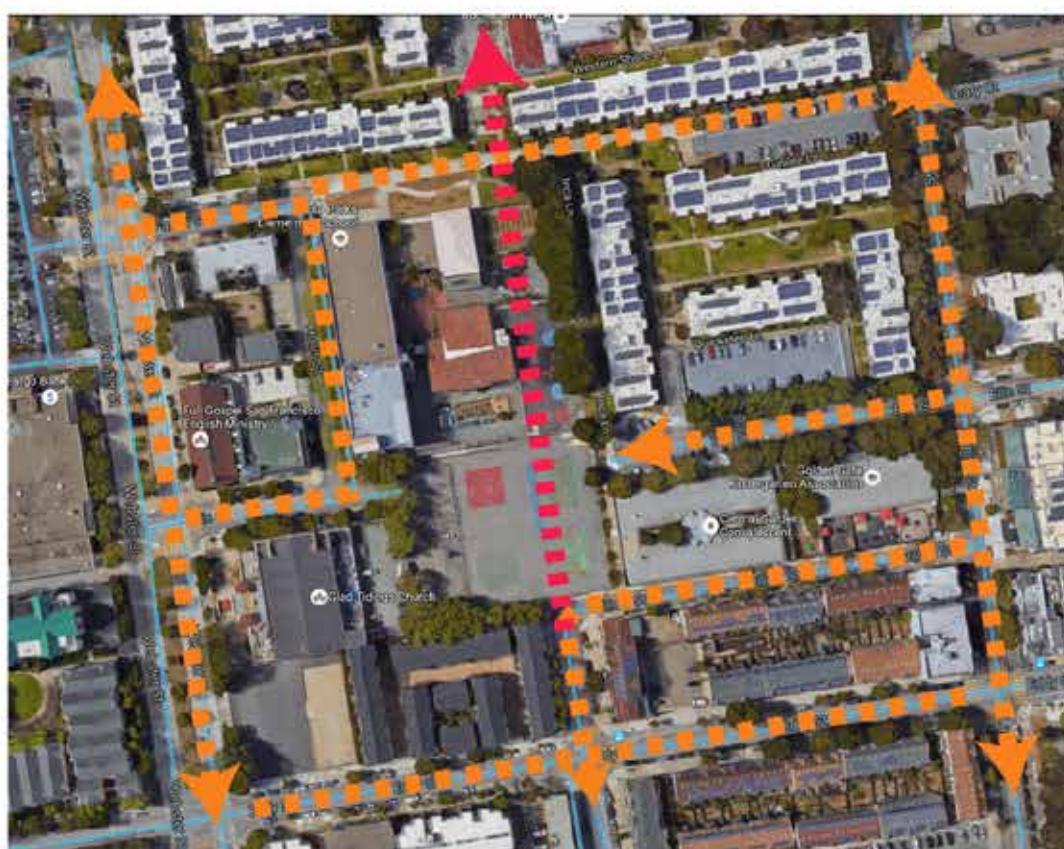
BUCHANAN MALL PLAN  
LAN 660  
SCALE 1"-100'-0"



The second block cannot be crossed. There are tall steel fences around the campus, and a wooden fence that divides the public and residential areas, making it inconvenient for pedestrians who want to cross from O'Farrell St. to Eddy St.



Existing circulation for both pedestrian and vehicle



Proposed circulation for pedestrian



View from residential area



Wooden fence



School campus surrounded by steel fence

A playful structure based on the Möbius strip allows for two types of circulation, namely pedestrians and students. The Möbius strip is single surface with only one side and one boundary. By drawing a median along its length, and cutting the strip along that line, a strip with two surfaces is produced. Those two surfaces represent two separate spaces, in the schoolyard, one for students playing, and another for pedestrians walking. A bright, sunny yellow marks the pathways and warms people's spirits.

Those two parts start from the same point but they have different uses for two different kinds of circulations, which just like the Möbius strip, after it is been cut, the two surfaces will never meet.

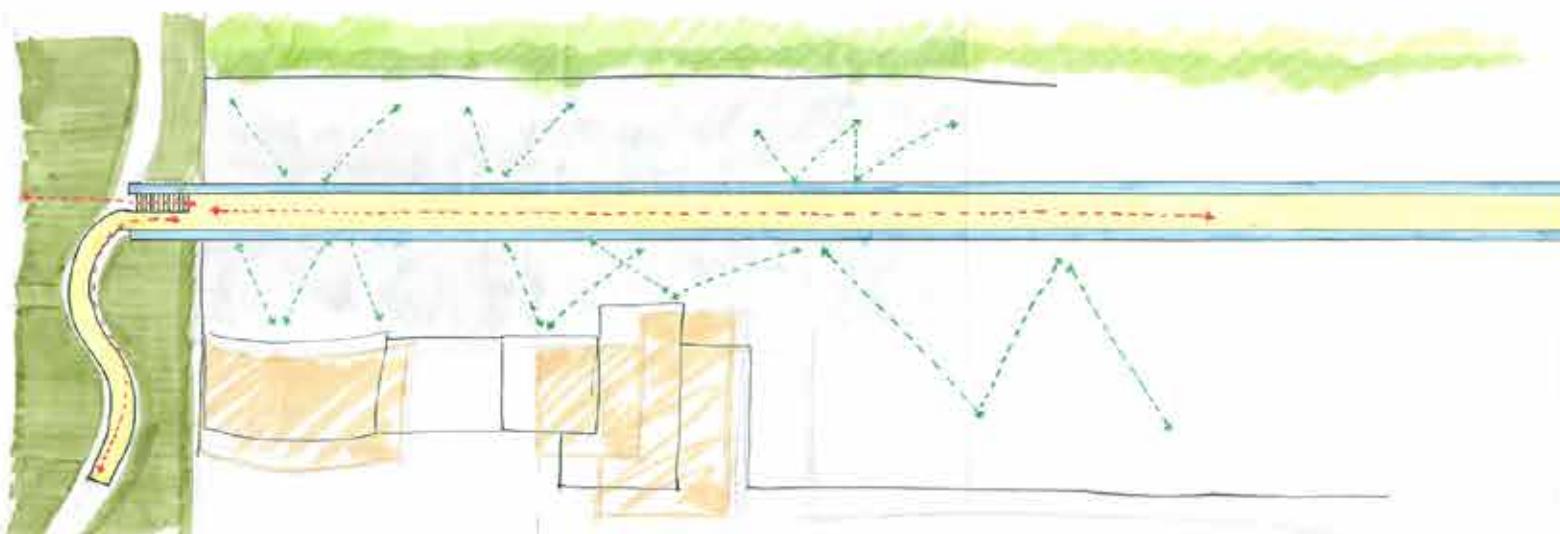
## Möbius Strip



## Cutting along the median line



## Circulation diagram



## Playful structure under the bridge



## Clay model



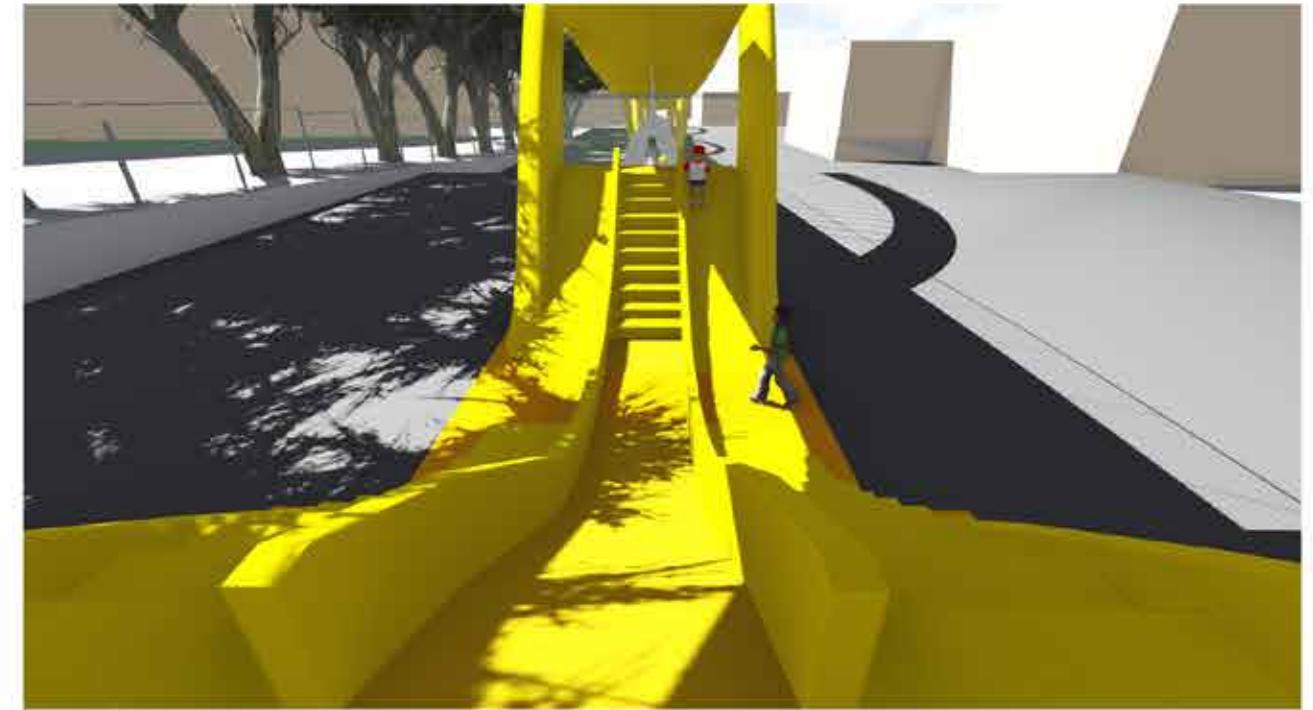
## Bird's-eye view



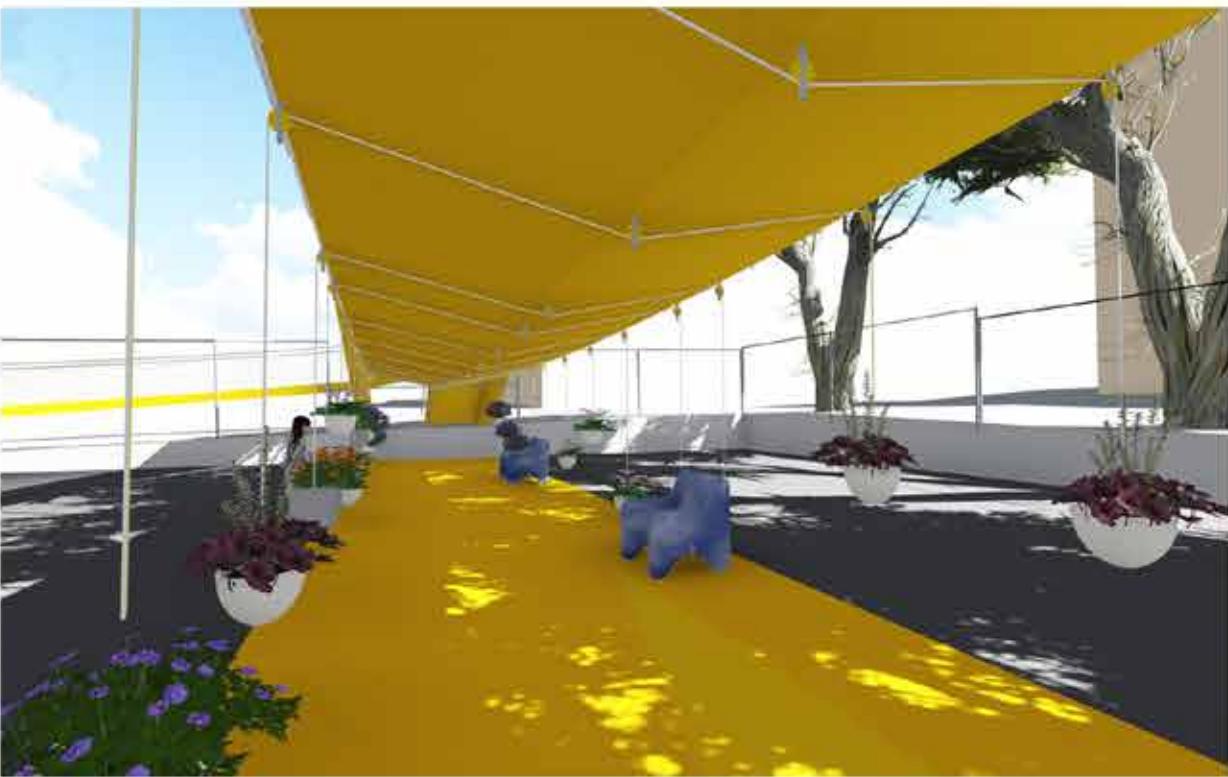
## Playful structures



Exploring circle



Never-ending slide



Balancing toy with two flowerpot on each side



Seat with lighting

# India Basin Waterfront Park Design

Course: LAN 679- Advanced Digital Graphics for Landscape Architecture

Semester: Spring 2016

Instructor: Nick Gotthardt

## Project Narrative

This Project focus on the development of conceptual design for a new Bike Trail and Boat House for the India Basin Park in San Francisco's central Bay waterfront.

Through an Iterative design drawing process, I have developed design proposals which extend the existing Bay Trail network through India Basin Park, providing spaces for various outdoor community programing and promoting Bay health through a series of landscape interventions. Work began with a set of site analysis drawings, followed by three conceptual vignettes that illustrate the initial vision of the new India Basin Bay Trail.

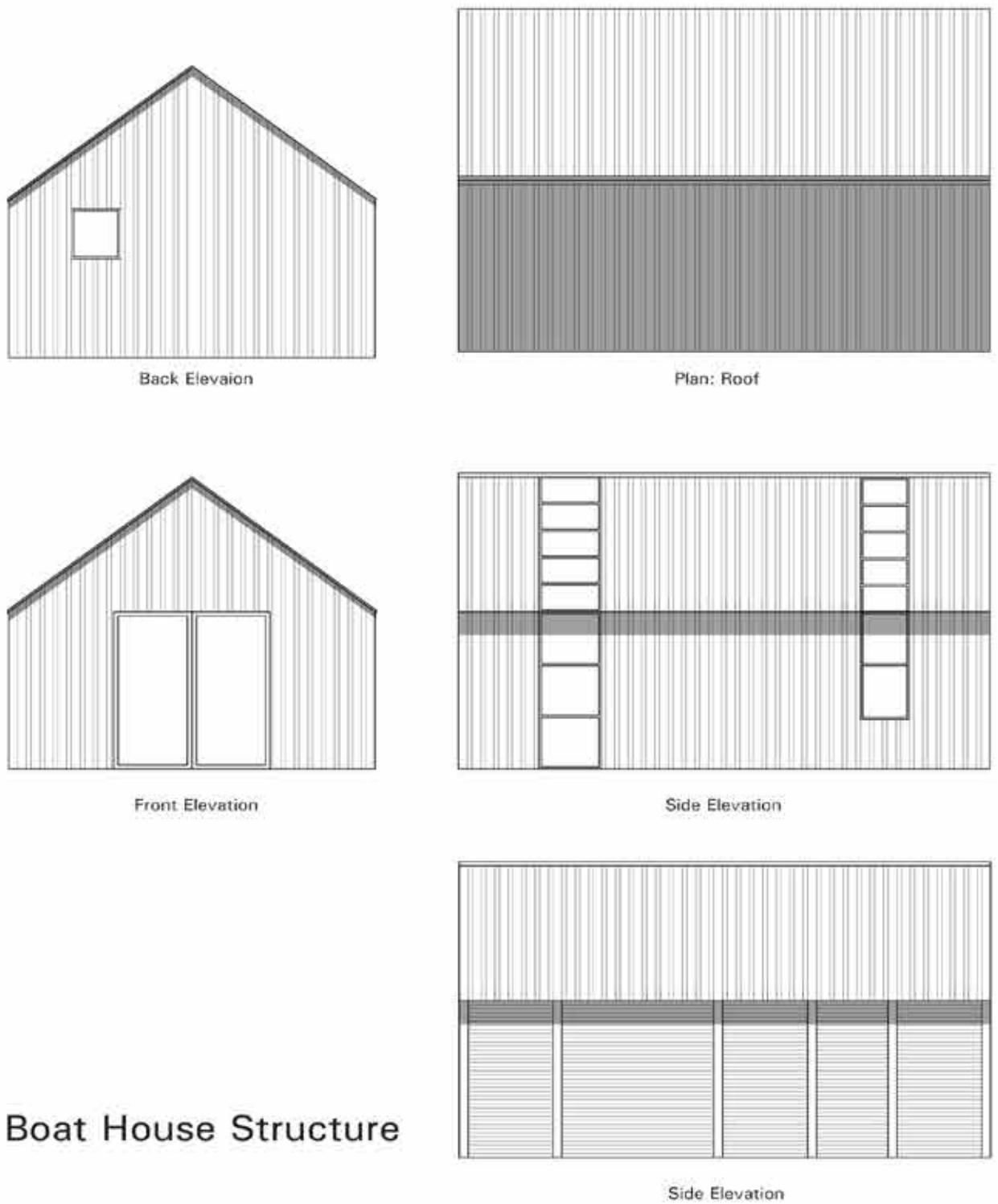
## Context Diagram



## Boat House and Trail Diagram



## Site Plan



## Photoshop Rendering of Section



A-A Section



B-B Section

View of Boaut House, Looking East



View of Bike Trail, Looking North



View of waterfront Lighting, Looking West

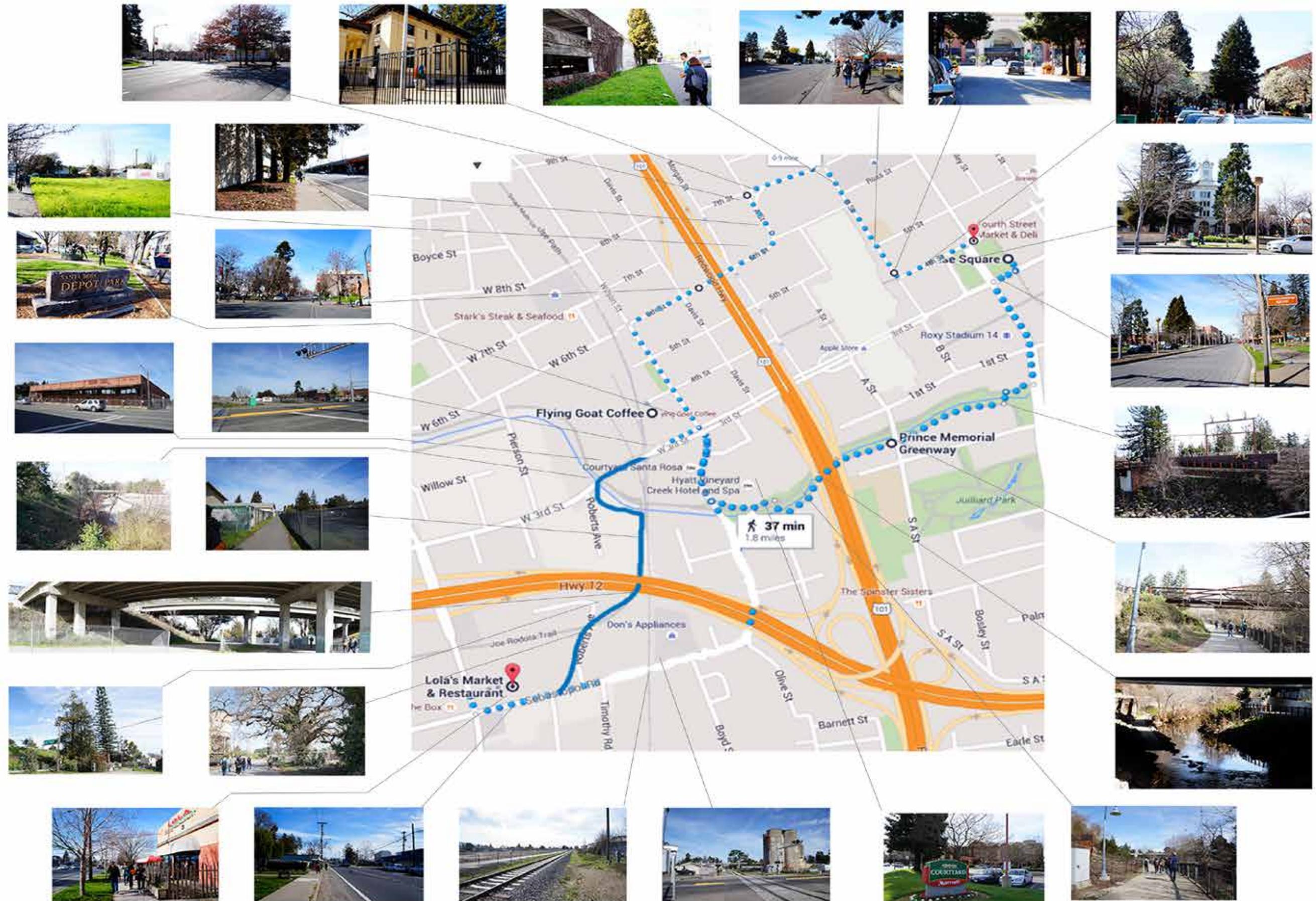


# Urban Connection Design

Course: LAN 670-Regional Planning & Analysis Studio

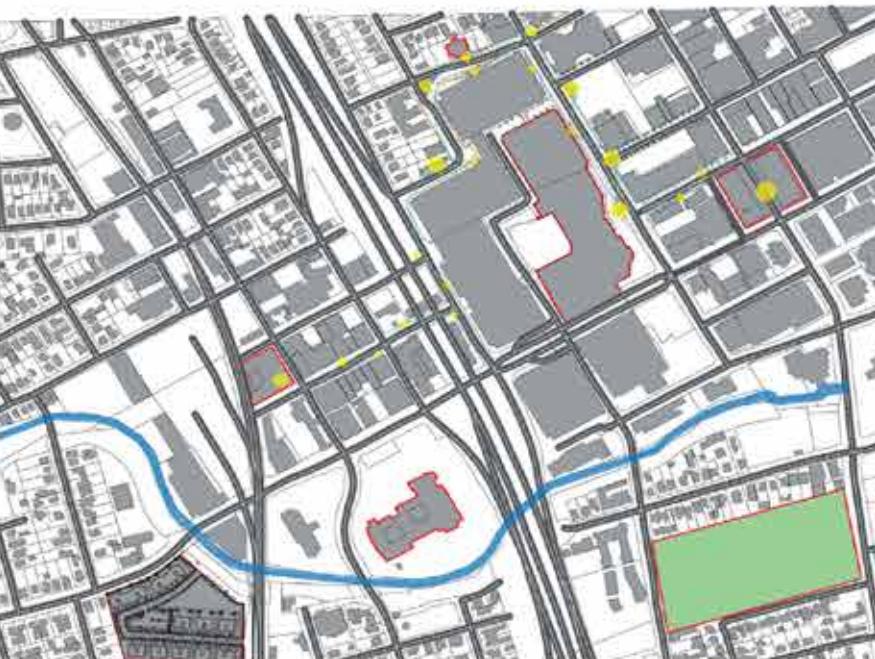
Semester: Spring 2016

Instructor: Katharine Anderson

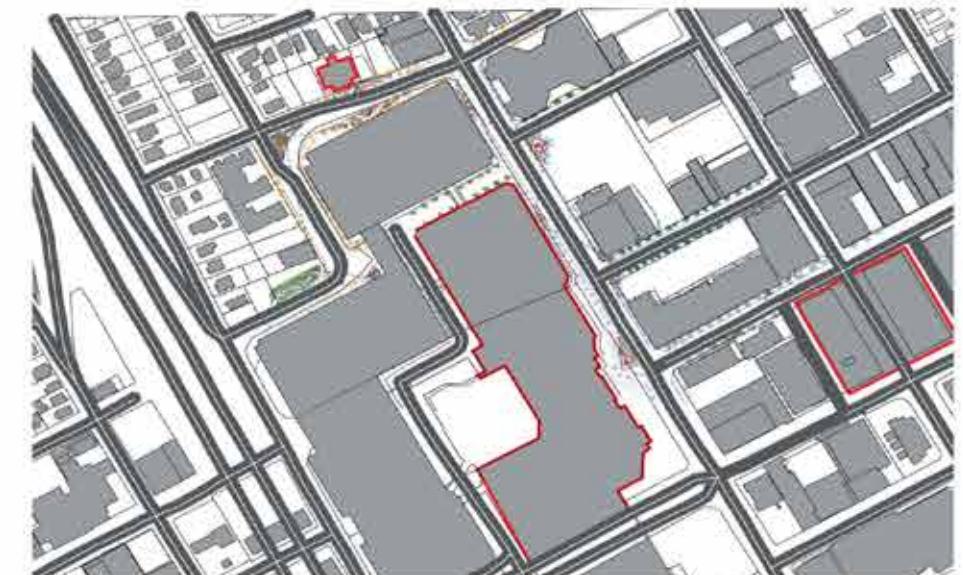




MAJOR BUILDINGS



SCULPTURE POINTS



DOWNTOWN CONNECTIONS



SCULPTURE



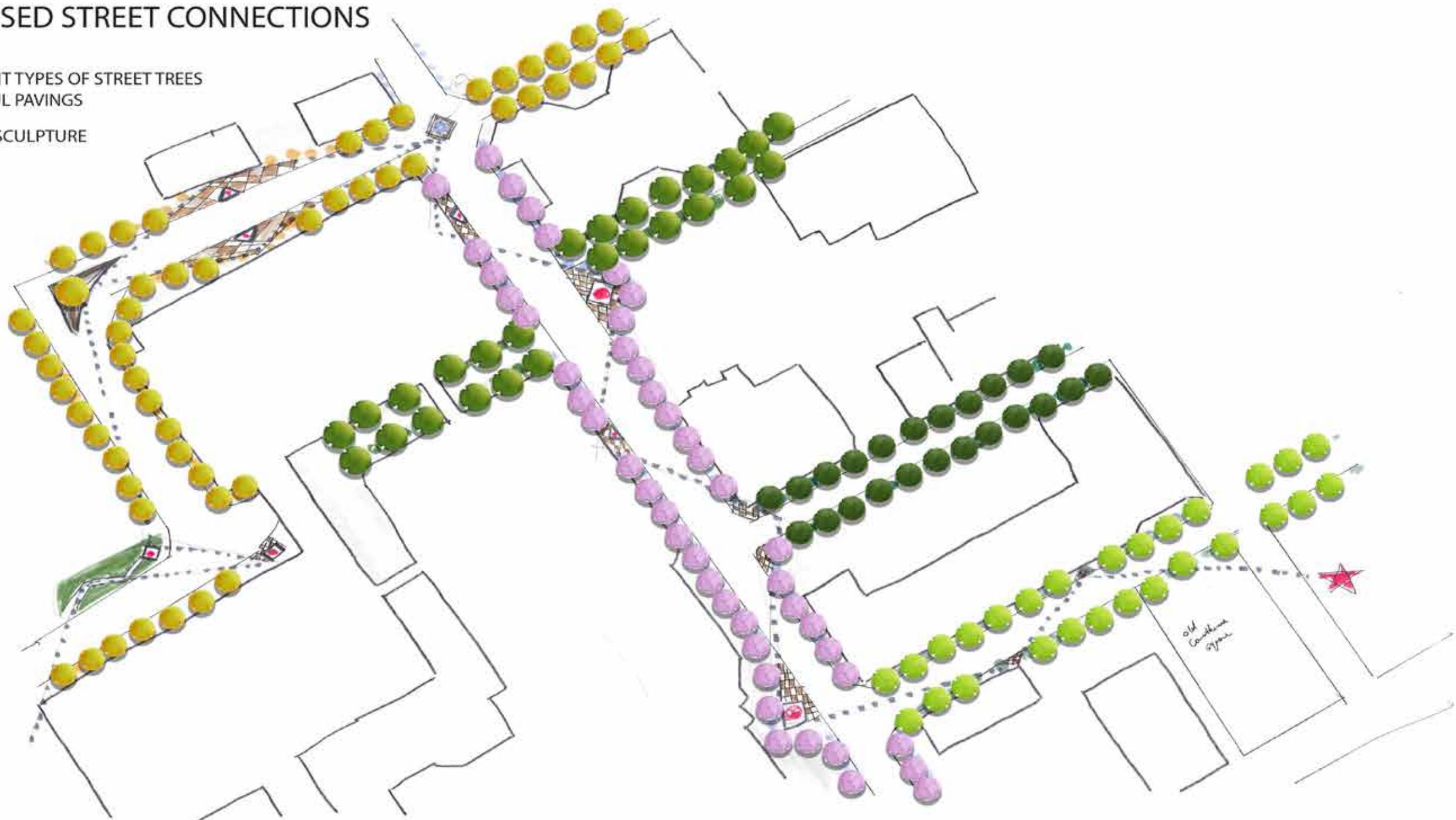
PAVING



BENCHES

## PROPOSED STREET CONNECTIONS

- DIFFERENT TYPES OF STREET TREES
- COLORFUL PAVINGS
- STYLISH SCULPTURE



# Old Courthouse Square Design

Course: LAN 670-Regional Planning & Analysis Studio

Semester: Spring 2016

Instructor: Katharine Anderson

The Old Courthouse Square, it is at the city's civic core and provided an opportunity to create a town square with the specific identity and meet the need of people's activity. However, now, the main road, Mendocino Ave, divides the square, which is inconvenient for people to go across the square and use this area. Also, the existing square is fragmented, which has been designed as lots of small areas and divided by different elevations. Those small and fragmented areas cannot satisfy the people's activities for a long time, because of a population explosion since 2000. The advantage of this square is that there are lots of old trees and unique elements, which create an identity of Santa Rosa.

### Existing Situation

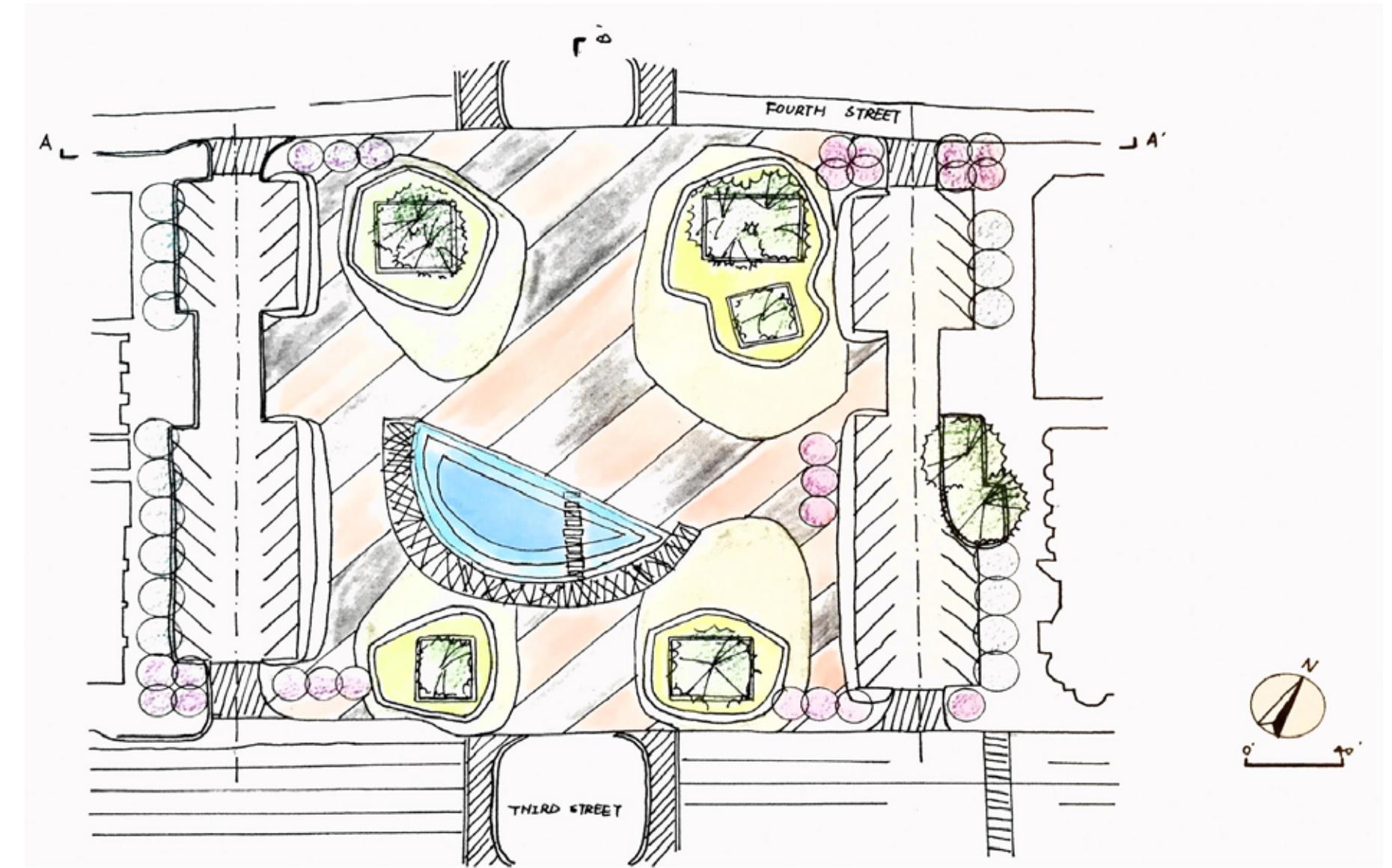


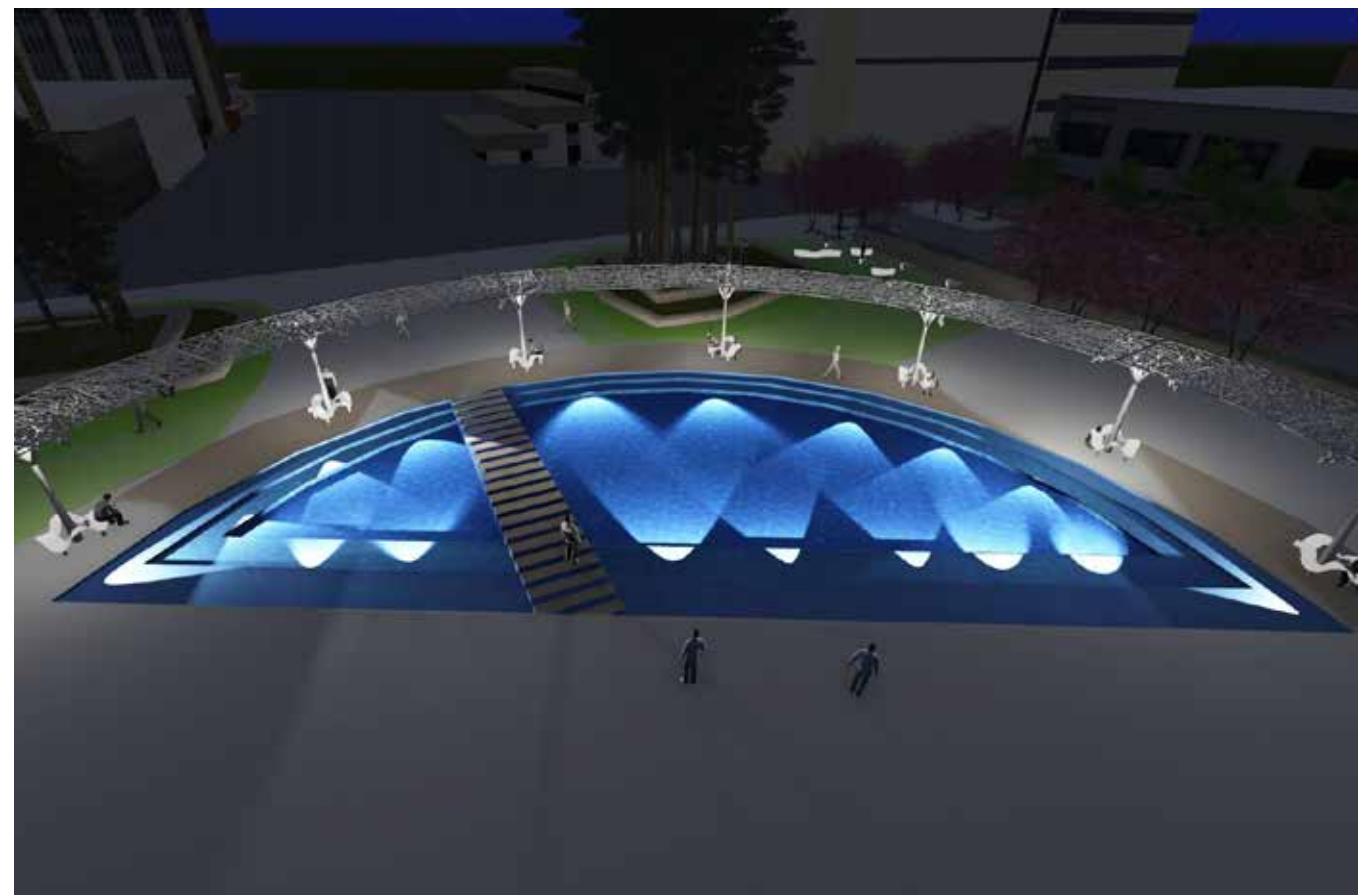
EXISTING SQUARE



EXISTING TREE









# Southeast Greenway Design

Course: LAN 670-Regional Planning & Analysis Studio

Semester: Spring 2016

Instructor: Katharine Anderson

# Southeast Greenway Design Objective

## Site Location and Surrounding Photo

### Improve animal corridor and vegetation habitat

The existing site shows a lot of barren land, which lack of tree canopy. To improve the quality of natural factors, I propose to plant more trees that could improve the wild animal corridor, and to alter the creek system that could reintroduce native species and provide an opportunity for people to feel the sensory of creek. To keep the native space, I want to use the existing vegetation and element through the whole design.



### Refine circulation of greenway

Since many neighborhoods surrounding the southeast greenway, lack access to parks. Identifying ways to increase bike and pedestrian transportation is important.



### Satisfied the needs of neighborhoods

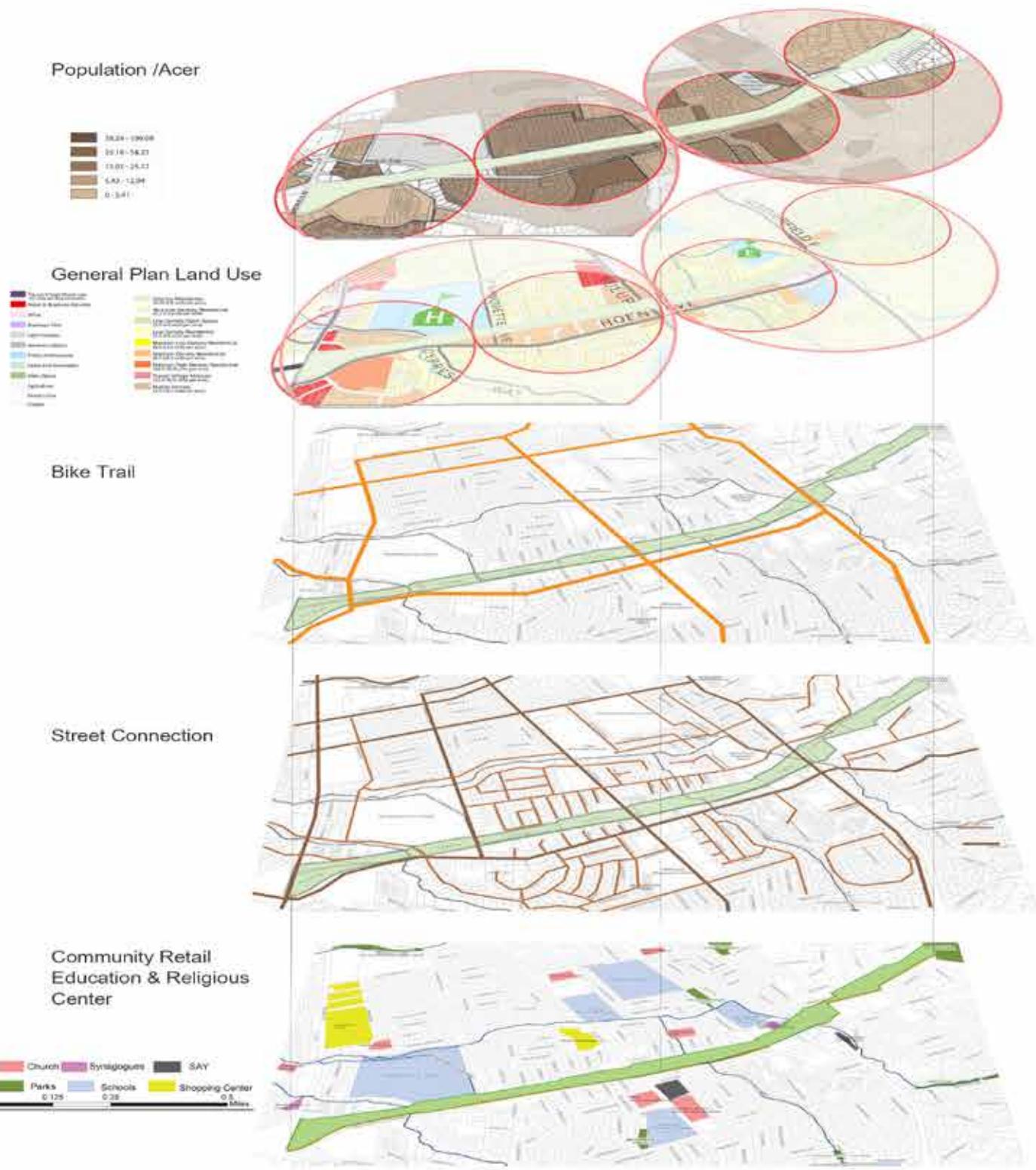
Collaborating nearby schools for nature and agricultural and providing different uses and variety of activities on site for public. Encourage greenway area resident communicate and social network.



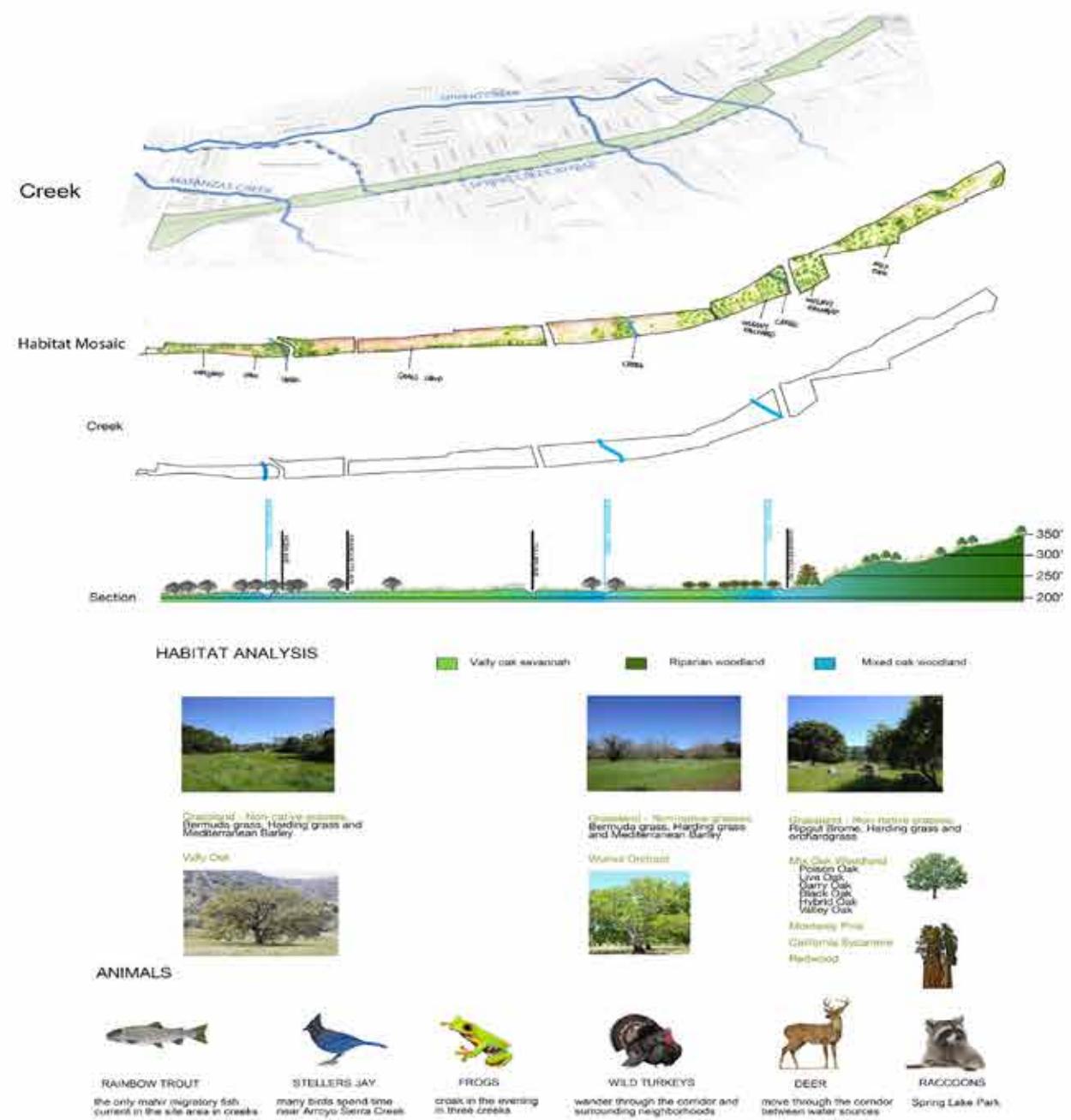
### Provide the change of view and experience

The sequence of space and changes of view bring the different feeling for people.





## Santa Rosa Greenway Analysis Map



# General Plan

## CONCEPT STATEMENT

My concept is based on a necklace.  
By using the basis of the natural landscape to provide opportunities for human uses,  
these very specific designs for human uses are just like the jewels on a necklace.  
However, the natural landscape such as creeks and animal corridors are like a chain  
running through the whole greenway.



N 0 200 400



## Creek-daylighting in Third Parcel



## Cross Section of Creek



# Construction Details of Cannary Building Courtyard

Course: LAN 673-Landscape Architecture Methods and Materials

Semester: Spring 2016

Instructor: Caren Yglesias



Cannery Building  
Courtyard  
1906, renovated Eshenck, Homsey,  
Dodge & Davis, 1968

**LAN673: Landscape  
Architecture Methods  
and Materials**

Academy of Art  
University

REV.	COMMENT	DATE

DATE: 02/17/2016  
NAME: Rong (Ivy) Sui  
STUDENT ID: 04343704  
INSTRUCTOR: Caren Yglesias  
DRAWING TITLE:  
Case Study Analysis

SHEET NO. 2



Cannery Building  
Courtyard

1906, renovated Esherick,  
Homesey,Dodge & Davis, 1968

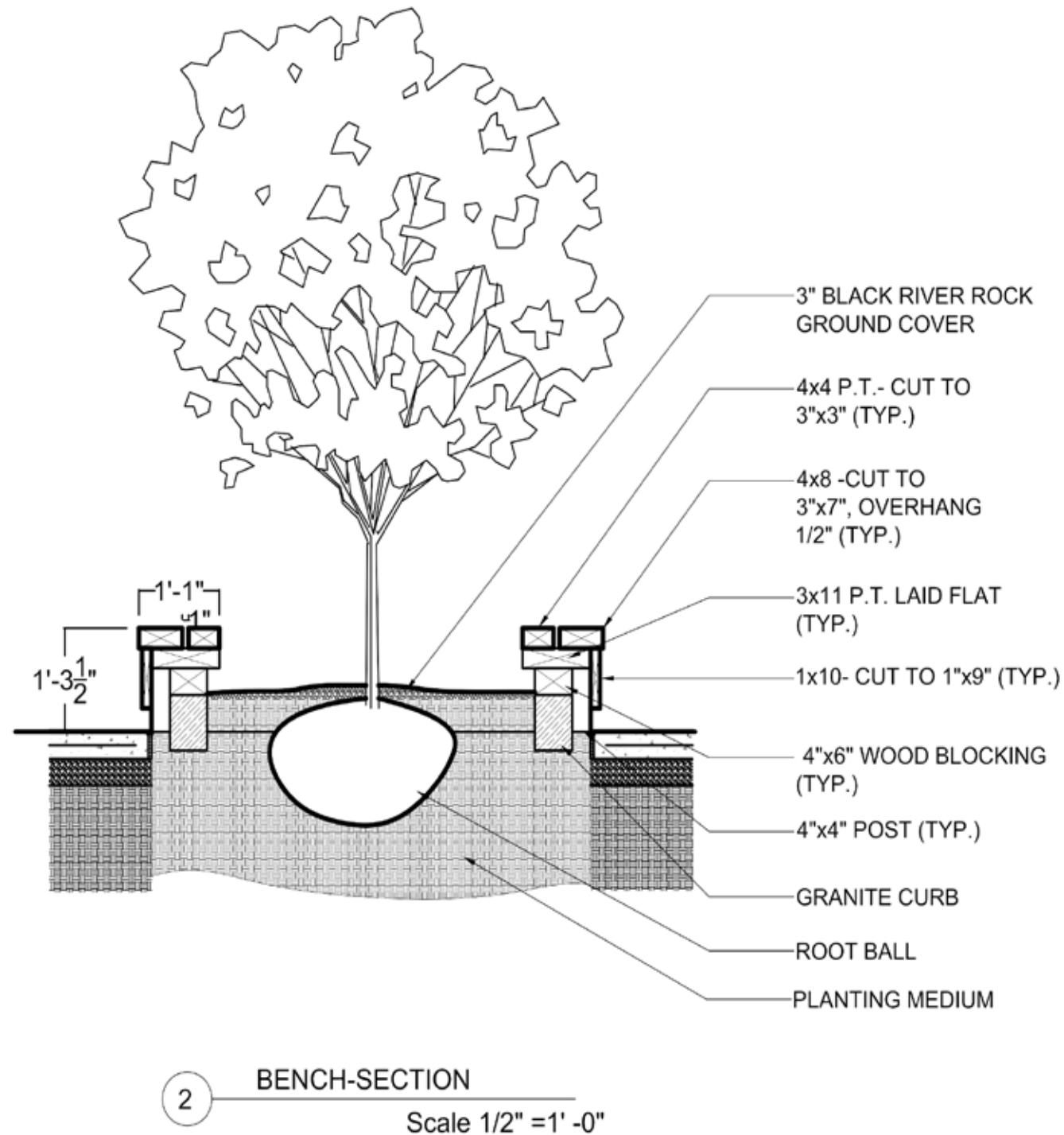
LAN673: Landscape  
Architecture Methods  
and Materials

Academy of Art  
University

REV.	COMMENT	DATE

DATE: 02/05/2016  
NAME: Rong (Ivy) Sui  
STUDENT ID: 04343704  
INSTRUCTOR: Caren Yglesias

WOOD PLANTER  
SHEET NO.





Cannery Building  
Courtyard

1906, renovated Esherick,  
Homesey,Dodge & Davis, 1968

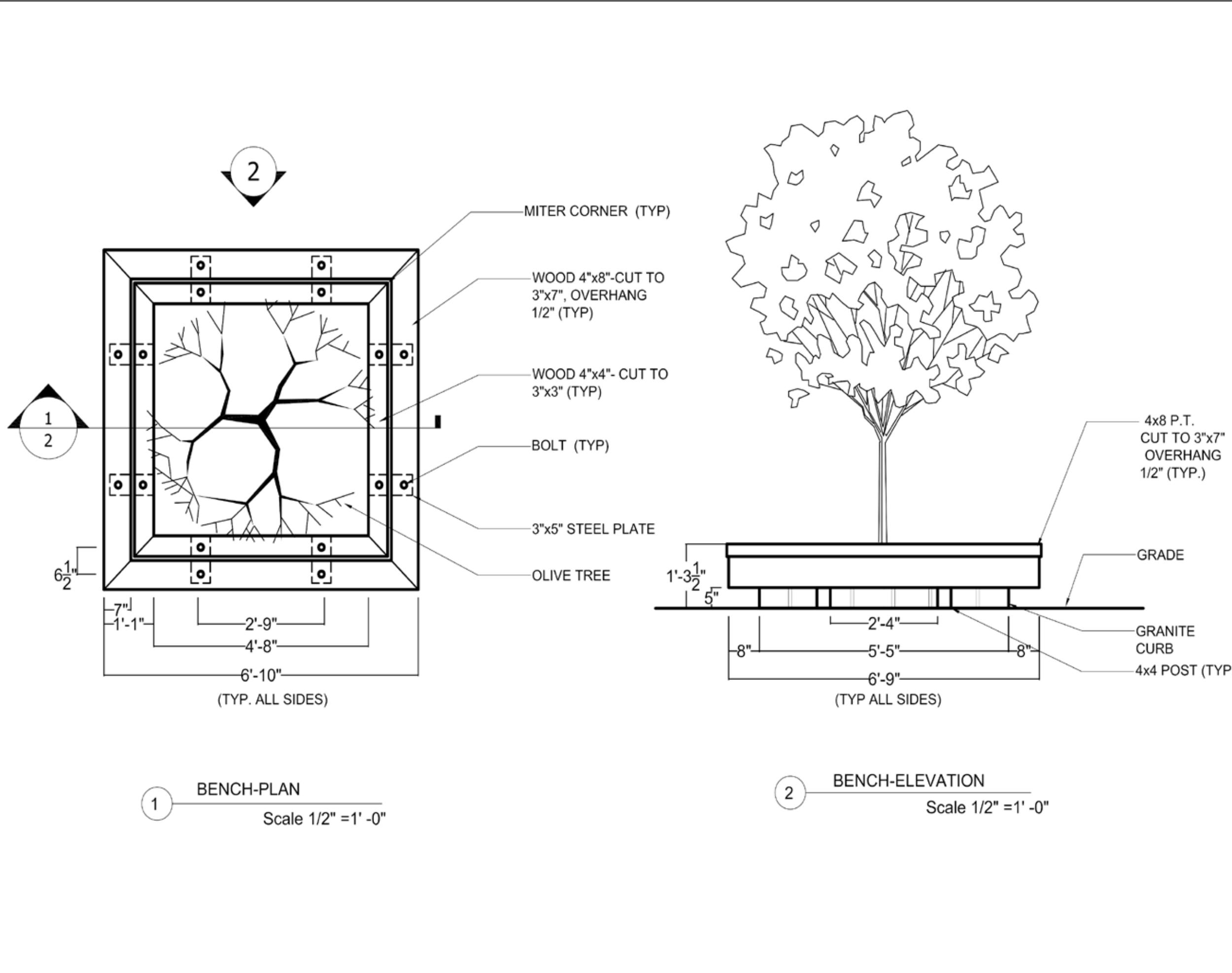
LAN673: Landscape  
Architecture Methods  
and Materials

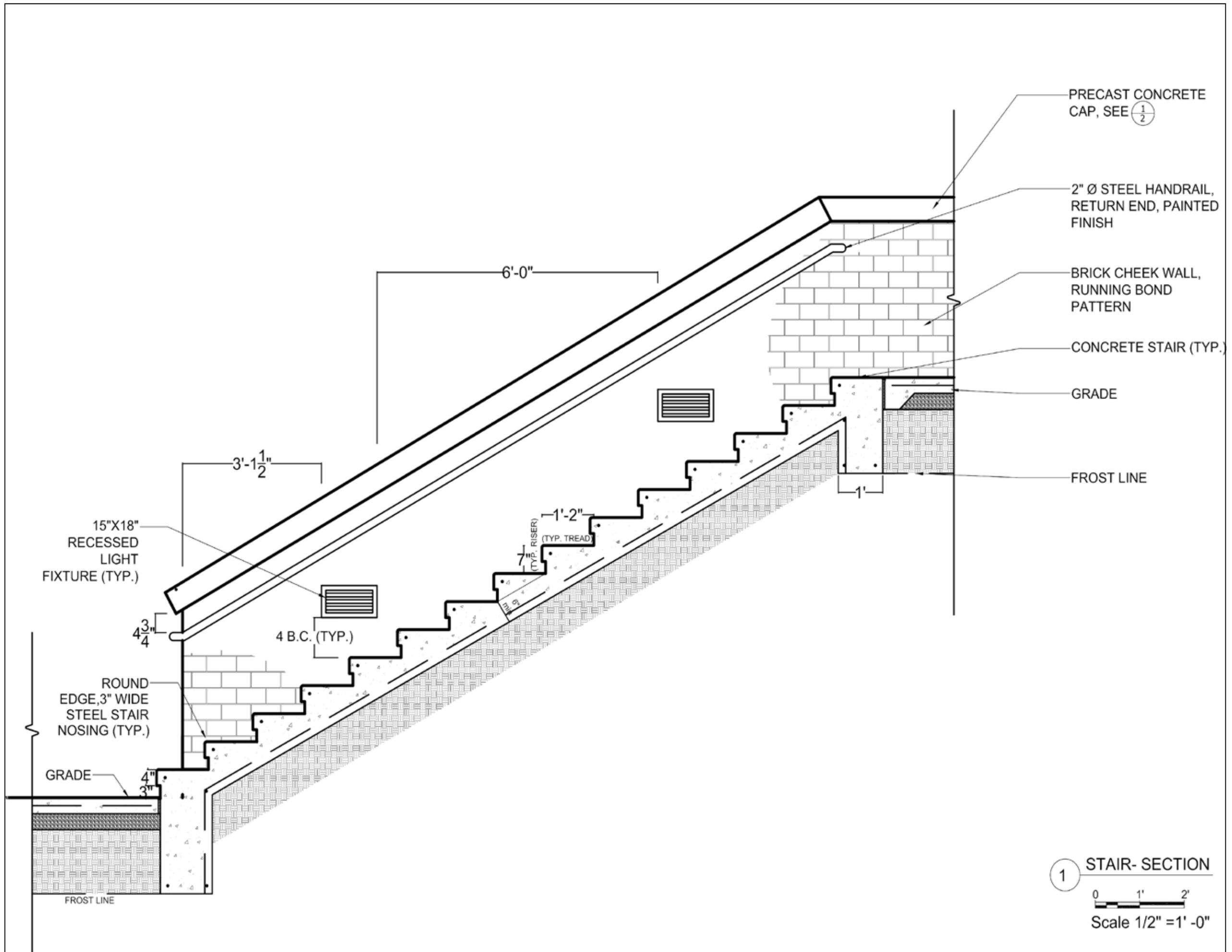
Academy of Art  
University

REV.	COMMENT	DATE

DATE: 02/05/2016  
NAME: Rong (Ivy) Sui  
STUDENT ID: 04343704  
INSTRUCTOR: Caren Yglesias

WOOD PLANTER  
SHEET NO. 1





Cannery Building  
Courtyard

1906, renovated Esherick,  
Homesey,Dodge & Davis, 1968

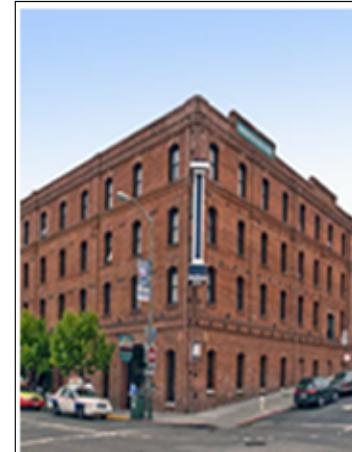
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DATE: 02/05/2016  
NAME: Rong (Ivy) Sui  
STUDENT ID: 04343704  
INSTRUCTOR: Caren Yglesias

CONCRETE STAIRS  
SHEET NO.



# Cannery Building Courtyard

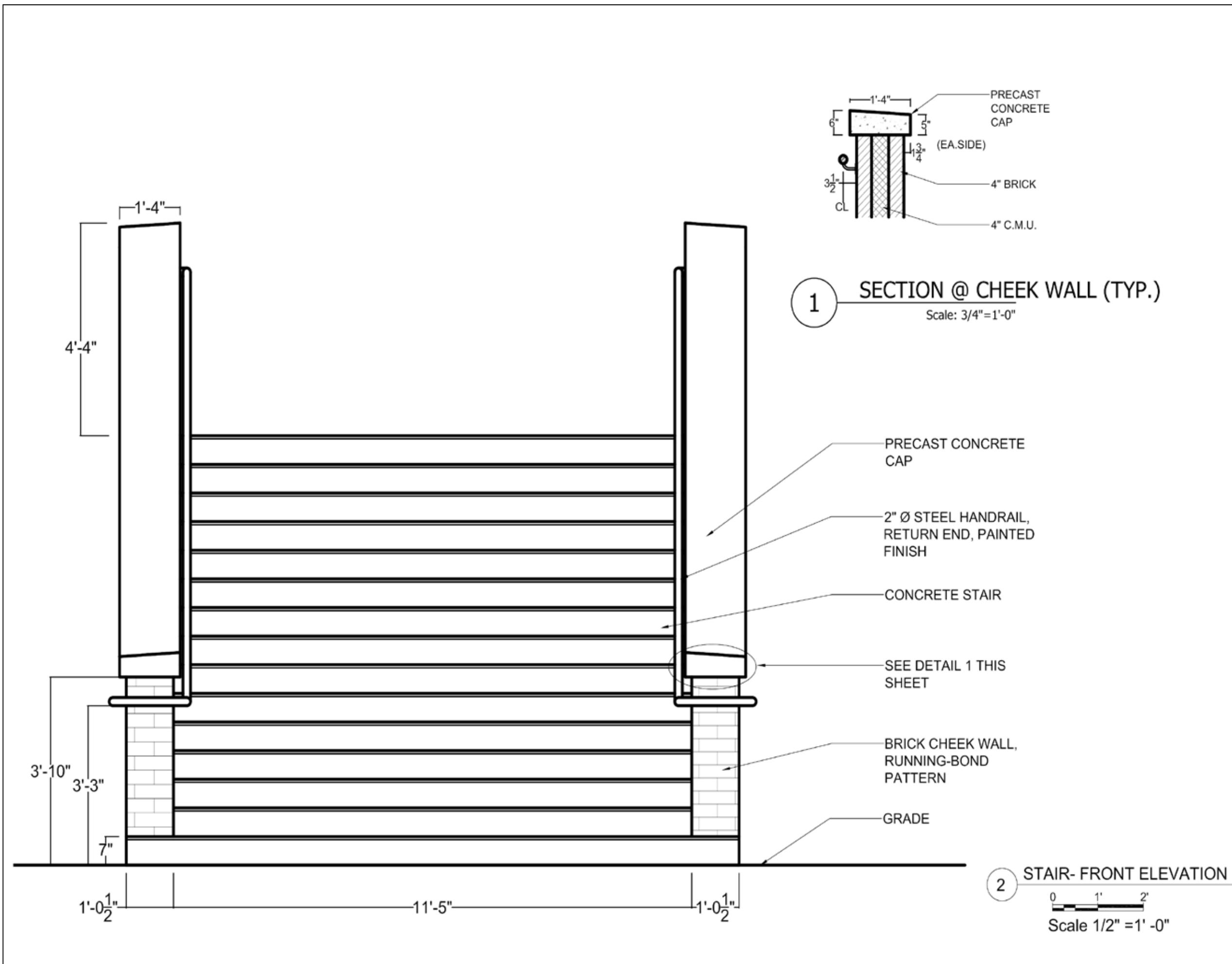
1906, renovated Esherick,  
Homesey,Dodge &Davis,1968

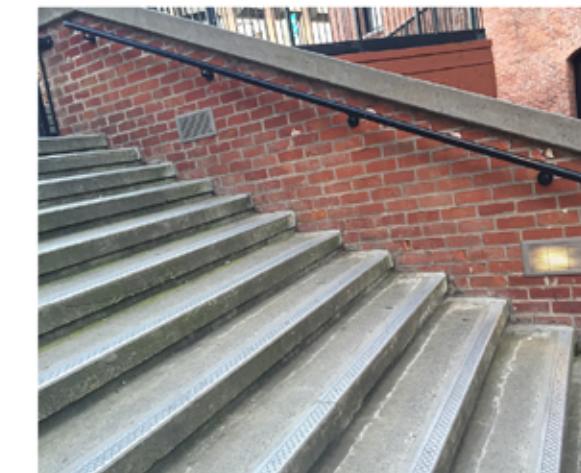
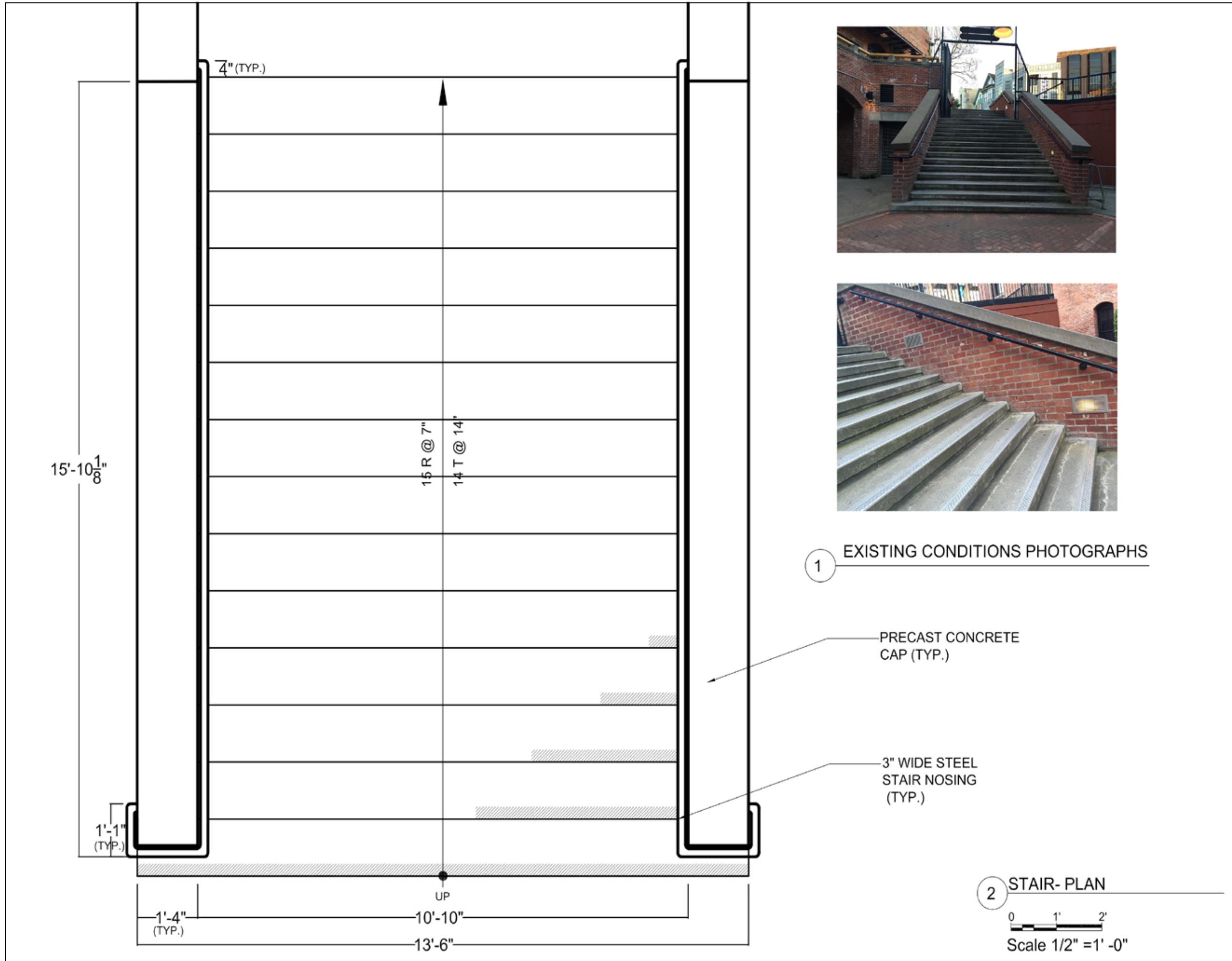
# LAN673: Landscape Architecture Methods and Materials

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DATE: 02/05/2016  
NAME: Rong (Ivy) Sui  
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INSTRUCTOR: Caren Yaglesias

**CONCRETE STAIRS  
SHEET NO.**





Cannery Building  
Courtyard

1906, renovated Esherick,  
Homesey,Dodge & Davis, 1968

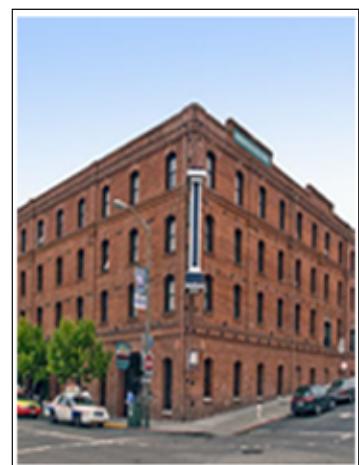
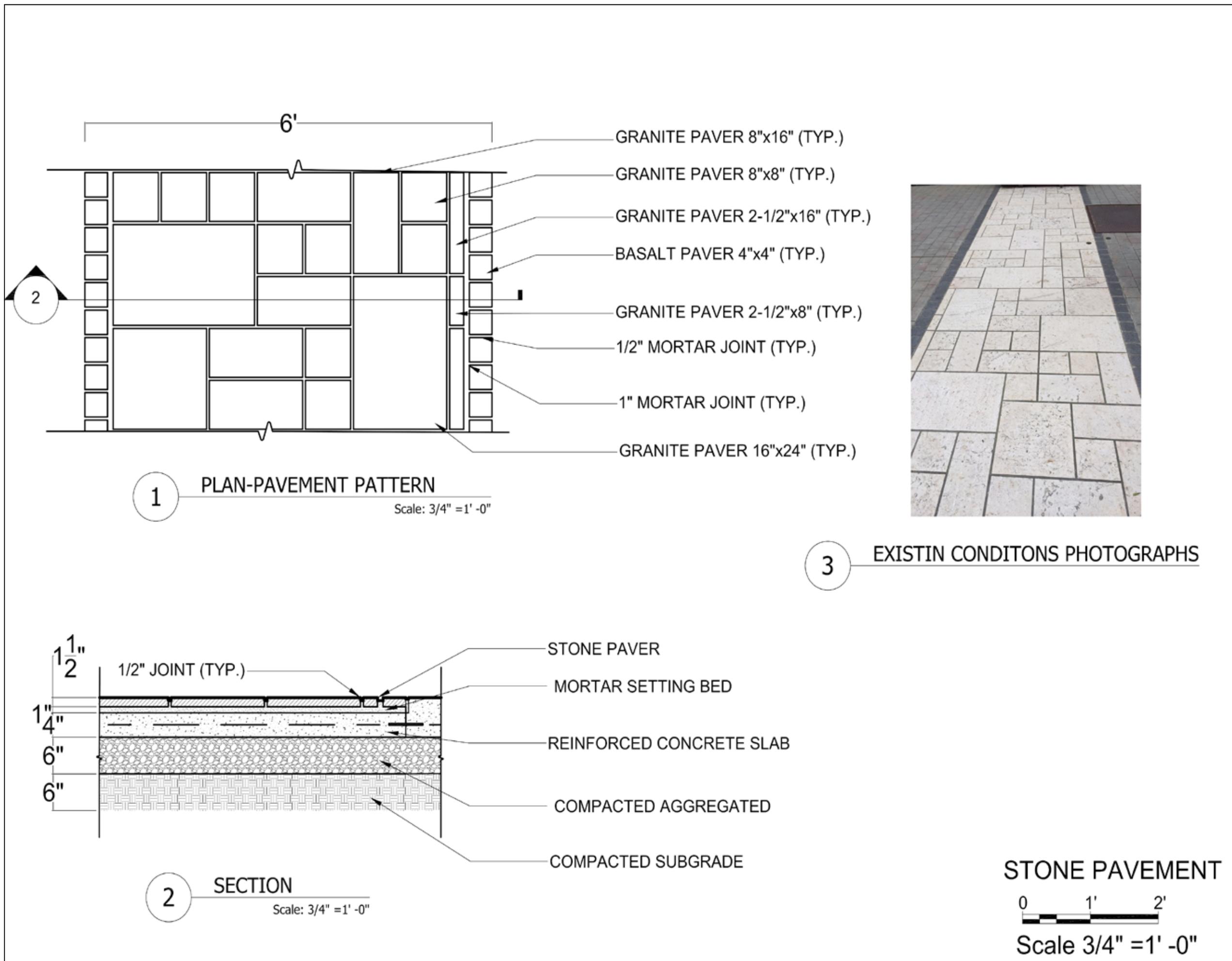
**LAN673: Landscape  
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DATE: 02/05/2016  
NAME: Rong (Ivy) Sui  
STUDENT ID: 04343704  
INSTRUCTOR: Caren Yglesias

STONE PAVEMENT  
SHEET NO.

## THE CANNERY STONE PAVEMENT COST ESTIMATES TABLE



Cannery Building  
Courtyard  
1906, renovated Esherick,  
Homesey,Dodge &Davis,1968

**LAN673: Landscape  
Architecture Methods  
and Materials**

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ELEMENT	DESCRIPTION	QUANTITIES	PRICE	SUBTOTAL
BASALT PAVER EDGE STONE	1-1/2"x4"x4",GRAY COLOR, BUSH HAMMERED FINISH	37 SQUARE FOOT	\$5.5 SQUARE FOOT	\$200
GRANITE PAVER	1-1/2"x8"x8", WHITE COLOR, BUSH HAMMERED FINISH	300 SQUARE FOOT	\$2 SQUARE FOOT	\$600
	1-1/2"x8"x16", WHITE COLOR, BUSH HAMMERED FINISH			
	1-1/2"x2-1/2"x8", WHITE COLOR, BUSH HAMMERED FINISH			
MORTAR SETTING BED	1" THICKNESS	200 LB	\$4 CU.FT.	\$48
REINFORCE CONCRETE SLAB	4" THICKNESS	11.1 CU.YD. (4) SO#BAGS	\$87 CU.YD.	\$350
RECYCLED AGGREGATE	6" THICKNESS	0.4 CU.FT.	\$53 CU.YD.	\$90
TOTAL				\$1288

REV.	COMMENT	DATE

DATE: 02/05/2016  
NAME: Rong (Ivy) Sui  
STUDENT ID: 04343704  
INSTRUCTOR: Caren Yglesias

SPECIFICATIONS AND COST  
ESTIMATES  
SHEET NO.

# Pink Alley Sustainable Design

Course: LAN 680-Site Planning & Sustainable Design Studio

Semester: Fall2016

Instructor: Chih-Wei G.V. Chang

## Site Analysis



Entrance



1

2

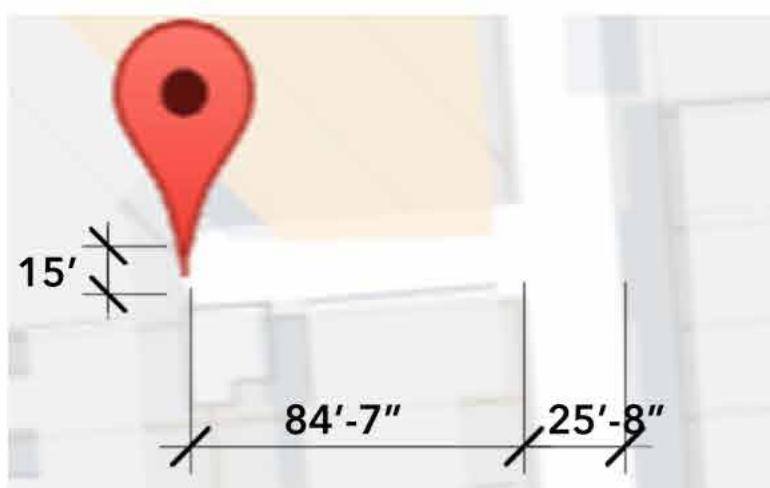


3



4

Street measurement



5

# Site Analysis

## Constraints



Drive way is too narrow



Paving

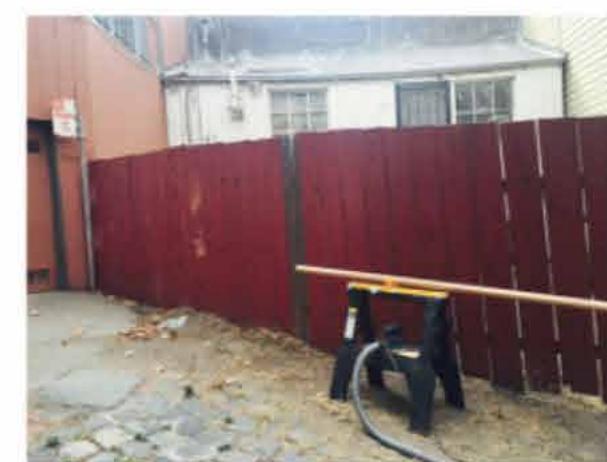
## Opportunities



Pink color



Space for plants



Poorly defined property line



Electric wire



Traffic signs

*People also want:*

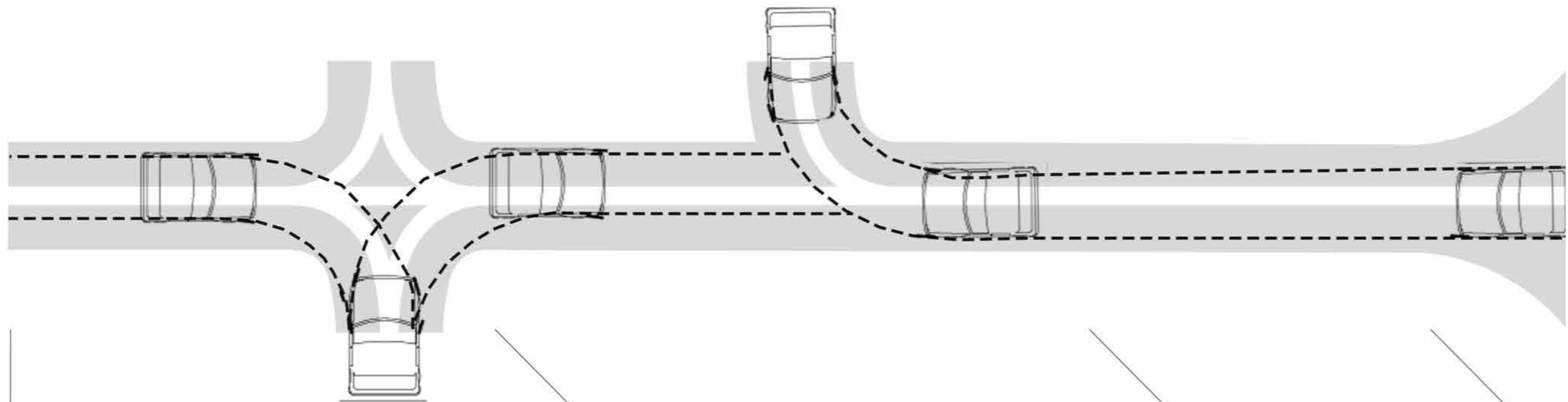
Low maintenance

Lighting

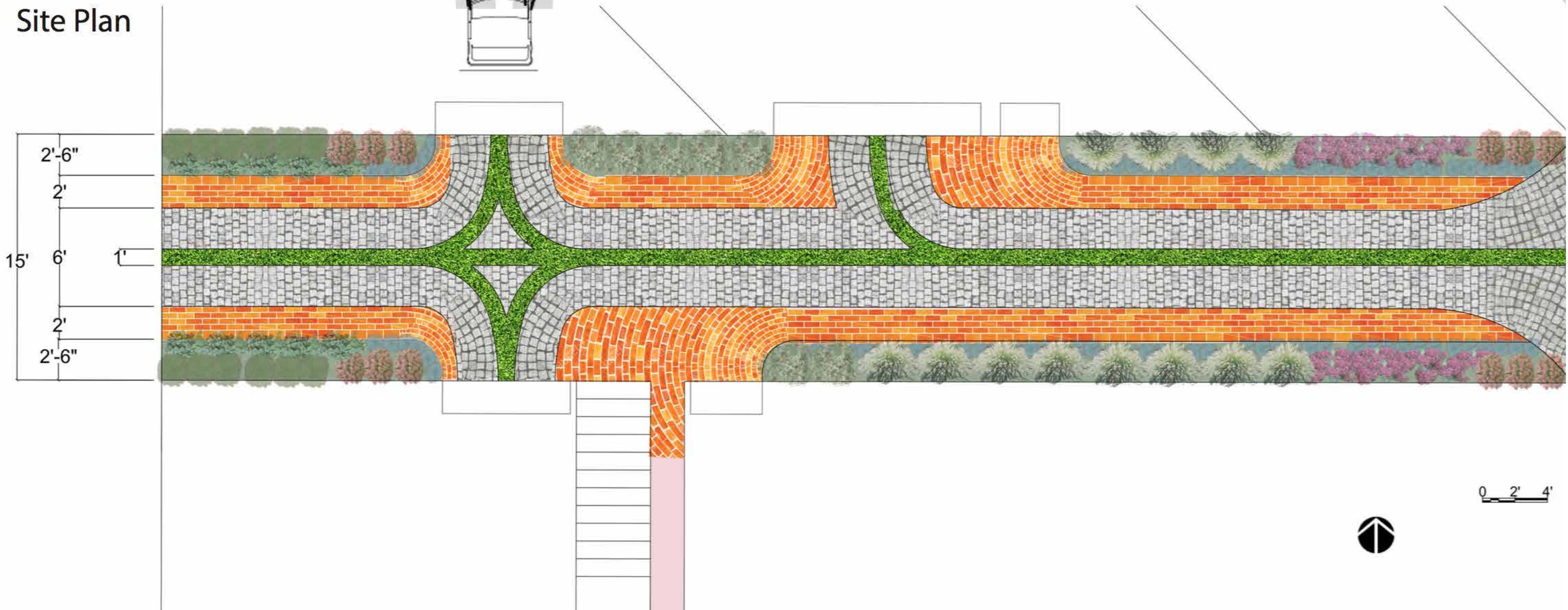
Be safe

Public art

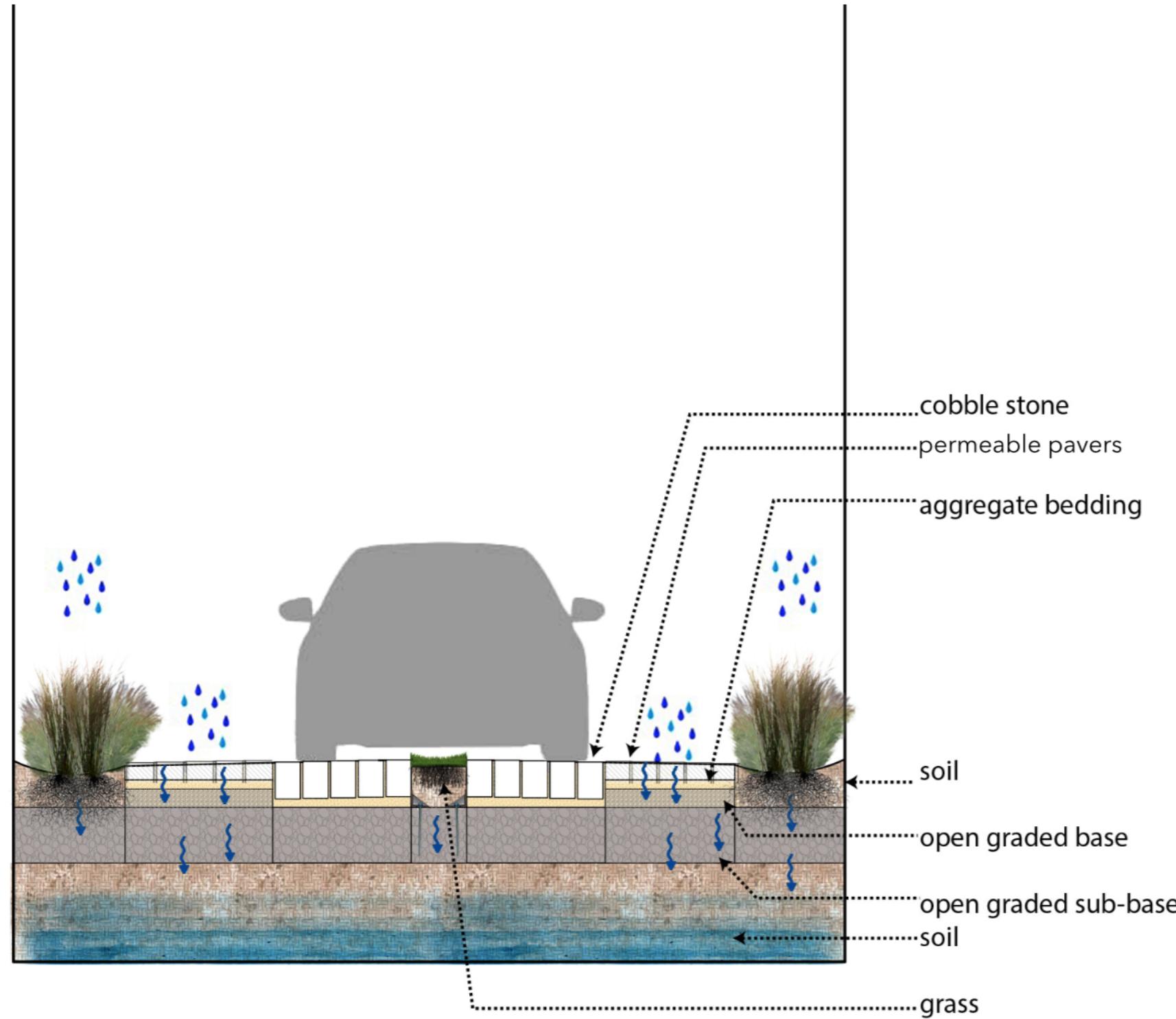
## Car Track Diagram



Site Plan



## Short Section



## Long Section, Looking North



Perspective of Daytime, Looking West



Perspective of Evening, Looking West



# Mission Creek Estuary Park

Course: LAN 680-Site Planning & Sustainable Design Studio

Semester: Fall 2016

Instructor: Chih-Wei G.V. Chang

Existing Vehicle Circulation-With I-280



## Site Issue - Water Quality



# Site Plan

## Legend

→ Entrance

1 Dog Park

2 Channel Pump Station

3 Mission Bay Parks Maintenance Facility

4 PUC Rain Garden

5 Basketball Court

6 Volleyball Court

7 Channel Pump Station

8 Riparian Buffer

9 Bridge

10 Kayak Dock

11 House Boat

12 Rain Garden

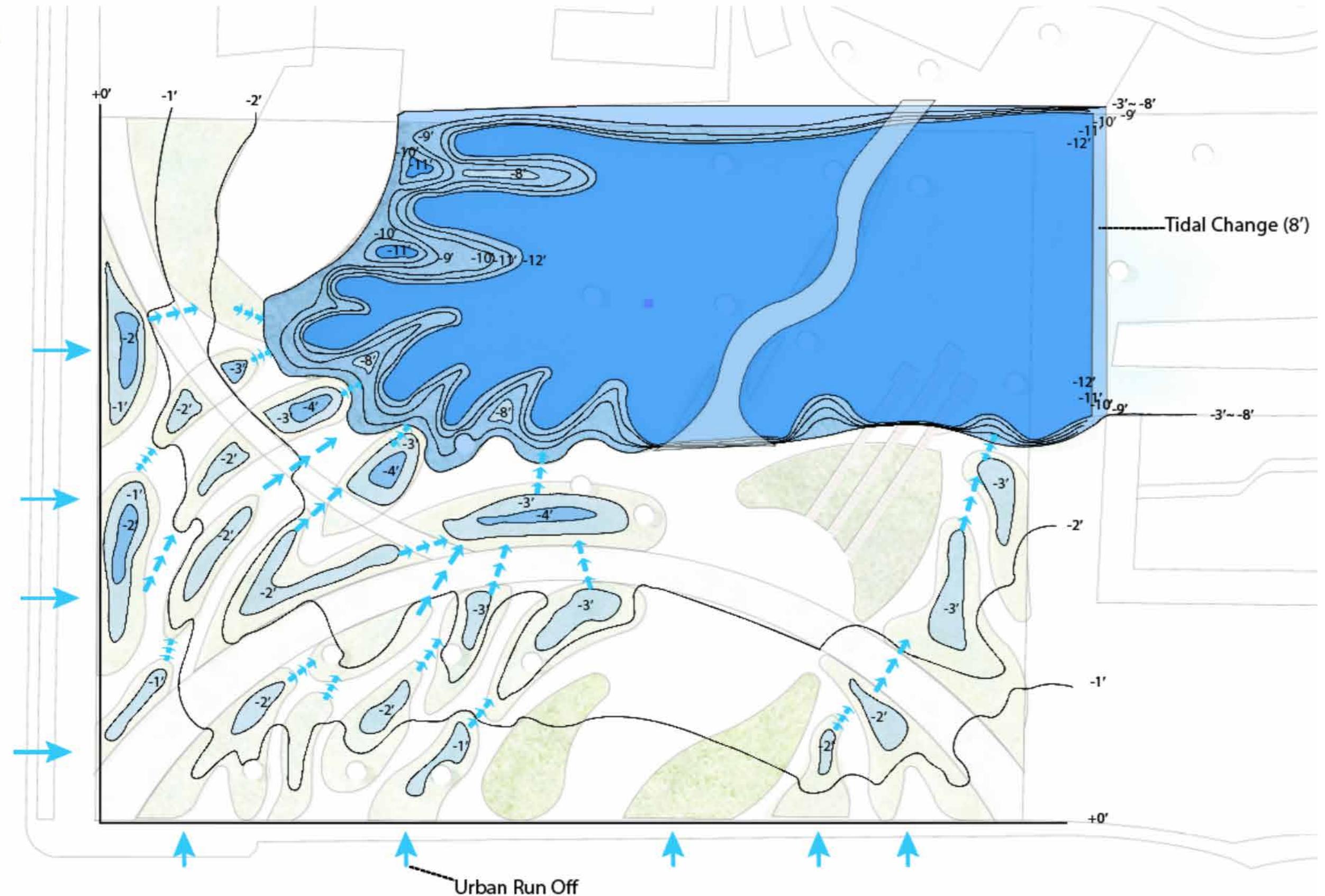
13 Plaza

14 Mission Creek Park

0' 50' 100'



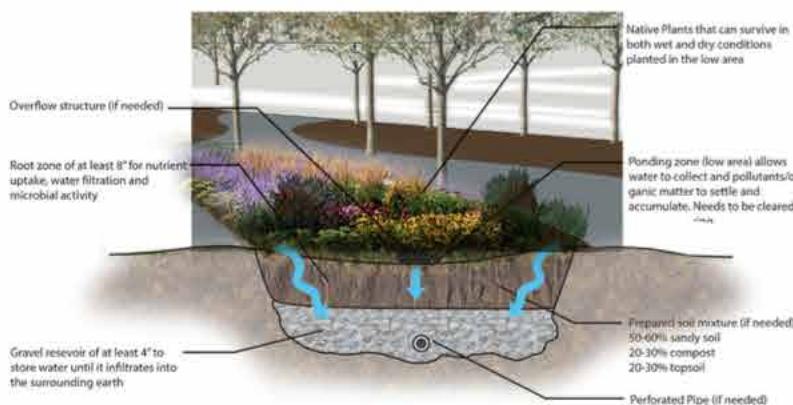
# Water direction Contour lines



# LID Methods



Repairan Buffer

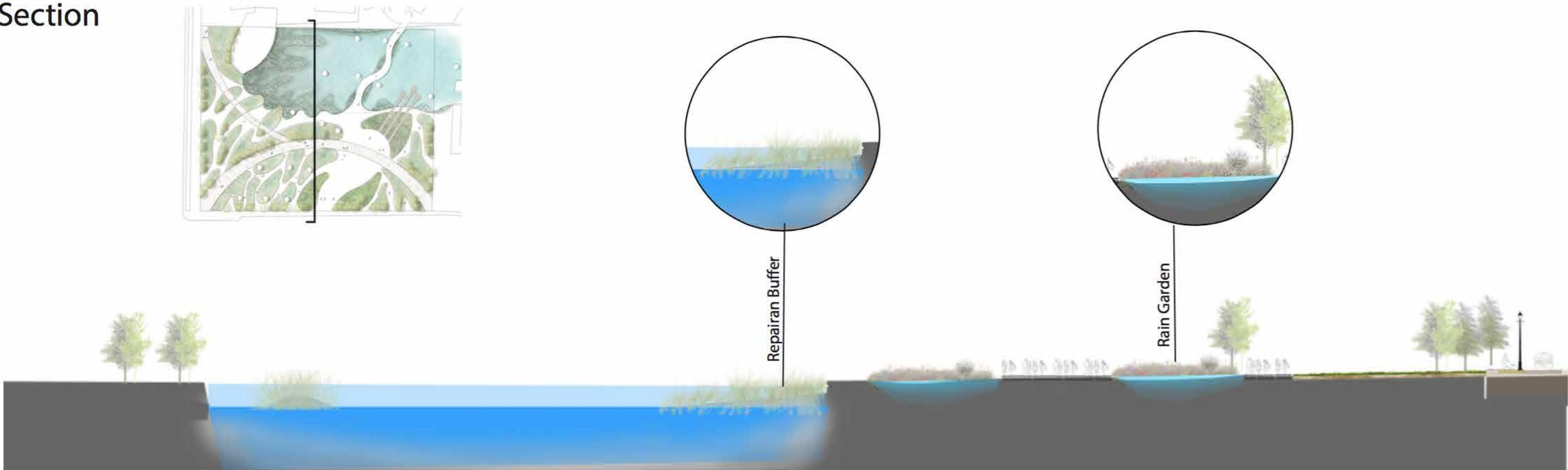


Rain Garden



Permeable Paving

## Section



# Rain Garden Plants



amsonia blue ice blue star

Irrigation: Medium  
Type: Herbaceous perennial  
Maintenance: Low



Spring crocus

Irrigation: Medium  
Type: Bulb  
Maintenance: Low



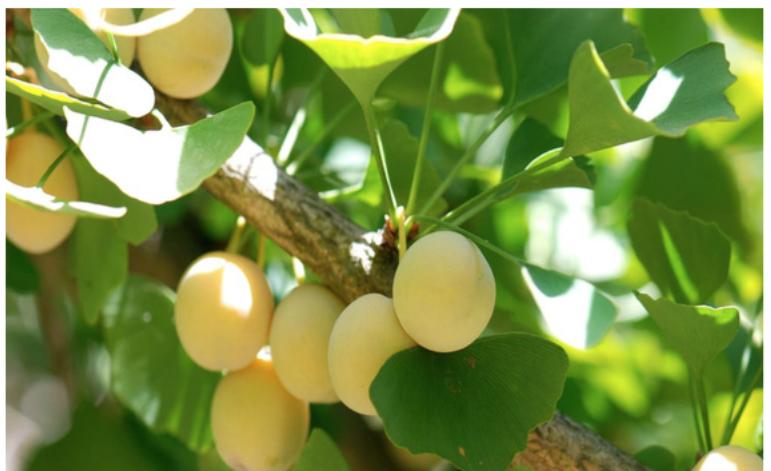
Osmunda claytoniana, Interrupted Fern

Irrigation: Medium to wet  
Type: Fern  
Maintenance: Low



Iris versicolor, Blue Flag Iris

Irrigation: Medium to wet  
Type: Herbaceous perennial  
Maintenance: Low



Ginkgo biloba



Arbutus unedo-strawberry tree

Irrigation: Medium  
evergreen multi-stemmed shrub/tree  
dark green leaves, reddish bark



Aesculus californica-California Buckeye

Irrigation: Low water needs  
deciduous; fragrant, white blooms

## Reparian Plants



*Schoenoplectus californicus*- California bulrush



*Spartina foliosa*-California cord grass



*Sarcocornia pacifica*- pickleweed

Perennial sedge to 13' tall with triangular stems;  
common in brackish marshes

Perennial grass 1-4' tall with 1/2" wide leaves;  
common in low zone of salt marsh;  
this is the only cordgrass native to the bay

1-2' tall low-growing succulent which is very salt  
tolerant;  
grows in middle zone of salt marsh



*Grindelia stricta* var. *angustifolia*-Pacific gumplant



*Distichlis spicata*-salt grass

1-5' tall shrubby perennial;  
showy yellow flowers;  
grows along upper edges of salt marsh

herbaceous perennial grass 8-12" tall;



*Rumex maritimus*-golden dock

Native to salt marshes around bay;  
6-8" tall leaves

## Perspective- After



## Perspective- After



