

# Regional Bikeshare Permitting Planning Commission Meeting November 2, 2023



# Bikeshare Docking - Permits

## Background

- 2018 City Council directed staff to initiate steps for bikeshare program
- 2019 Updated Chapter 10.44: Bicycles and Personal Transportation Devices  
Published RFP in collaboration with regional working group
- 2021 Regional working group interviewed top three. Selected: BCycle
- 22/23 Final agreements signed for University of California Santa Cruz (UCSC), Cabrillo College, the County of Santa Cruz, and the cities of Santa Cruz, Watsonville, and Capitola.
- 2023 Coastal Development Permits and Major Revocable Encroachment Permits

# Bikeshare Docking - Permits

## **Contract**

- Approved by City Council
- Five-year agreement with BCycle
- Initial rollout in March 2024

## **System**

- Docked system (rides are dock-to-dock, not like Jump Bike)
- Regionwide: 660 E-bikes and 1,320 docks
- Capitola: 50 E-bikes and 100 docks
- Option of up-to 2,000 bikes regionwide
- Accessed through online app

# Bikeshare Docking - Permits

## **Consumer Protections**

- Maximum price increases. 10% per contract year or CPI + three percent, whichever is less. No price increase in years 1 and 2
- Maintenance and repair standards
- Customer service response times
- Bike availability standards
- Safety and education requirements

## **Cost**

- Walk Up Pass: \$7 per each 30 minutes; daily maximum is \$75
- Monthly: \$30 for unlimited 30-minute trips, extra 30 minutes \$3
- Annual: \$150 for unlimited 60-minute trips, extra 30 minutes \$3
- Bulk-member pricing programs for low income and students.

# Bikeshare Docking - Permits

## **Rollout Phasing - West to East**

- Completed: UCSC and City of Santa Cruz
- 2023-2024: Capitola, Watsonville, Cabrillo College, and County of Santa Cruz
- Capitola initial installations March 2024

## **Operation and Management**

- BCycle has local fleet management team
- Recovers bikes using GPS trackers
- Changes batteries at docking stations
- Responds to customer complaints

## Docking Examples





## Docking Examples

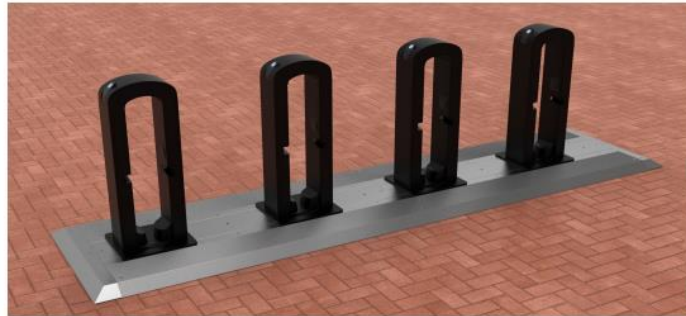


# Ballast Details

## FEATURES

Designed to allow installation of 3.0 docks without the need for drilling into the substrate.

Base plates can be bolted to the substrate if desired, for fewer drilled holes per installation.



## 3.0 STATION - BASEPLATE INSTALL



Modular configuration allows flexibility in station size.

Each set of plates supports 4 docks (single-sided), or 6 docks (double-sided).

## STATION SIZING

A minimum of 2 plates is required to meet weight requirements.



Number of baseplates	Exact length required for baseplates (each is 60" and requires 4.5" endcaps at each end. Totalling 69")	Number of docks if single-sided (Requires 5'8" of depth space, plus a 4' back-up zone or 9'8" total)	Number of docks if double-sided (Requires 8'6" of depth space, plus two 4' back-up zones or 16'6" total)
2	129"	4	6
3	189"	6	9
4	249"	8	12
5	309"	10	15
6	369"	12	18
7	429"	14	21
8	489"	16	24
9	549"	18	27
10	609"	20	30

- Each 5' section of single-sided station, with baseplate = 335lbs.
- Each 5' section of double-sided station, with baseplate = 370lbs.

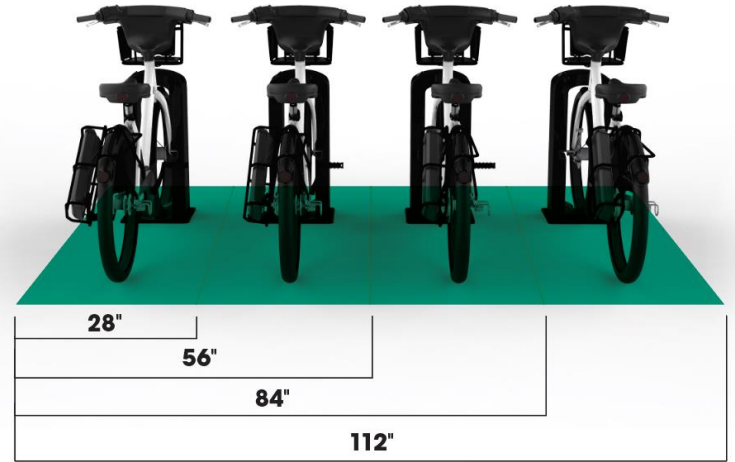
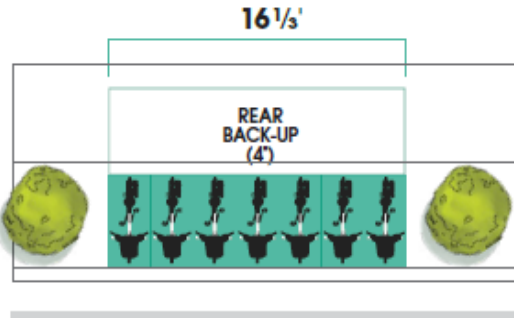
\* A minimum of 2 baseplates required for installation



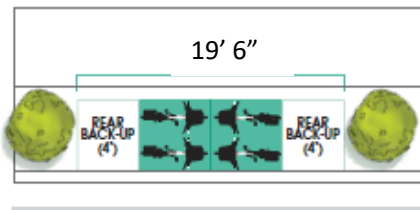
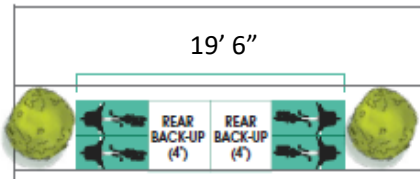
# Clearance Details

## 3.0 STATION – DIRECT CONCRETE/ASPHALT INSTALL

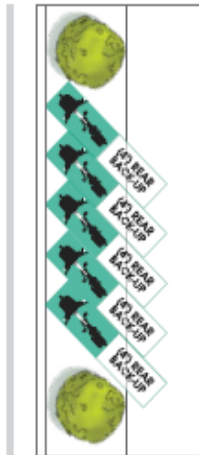
### PERPENDICULAR TO STREET (TYPICAL)



### PARALLEL TO STREET (ATYPICAL)



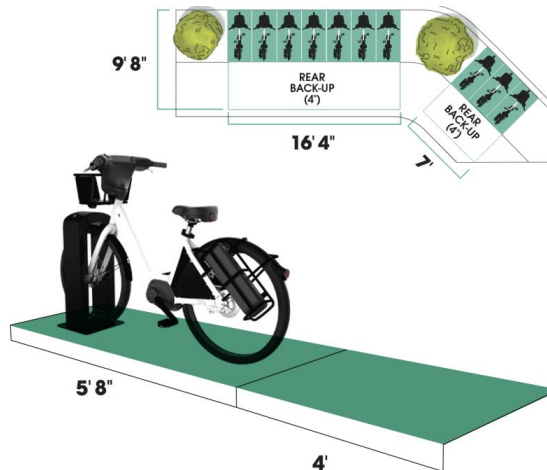
### 45° TO STREET (SPACE SAVER)



### STATION DEPTH

- Single-sided stations must have at least 5' 8" of space (this includes a 6" front tire overhang) plus a recommended 4' back-up zone totaling 9' 8".

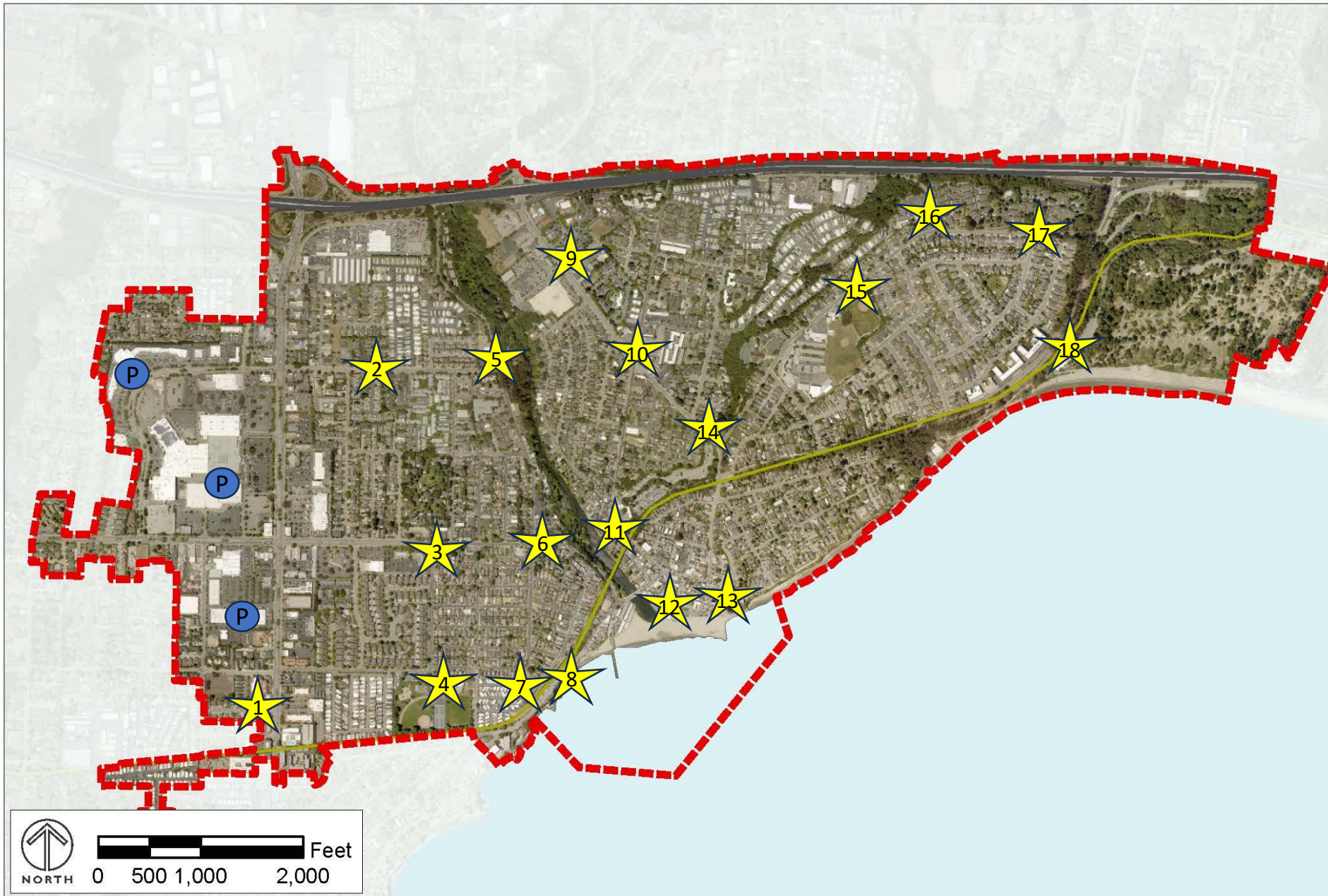
- Double-sided stations must have at least 8' 6" of space plus a recommended 4' back-up zone on each side totaling 16' 6".



## QUICK KEY

### STATION WIDTH

# OF DOCKS	MIN. WIDTH
1	28" (2 1/3')
2	56" (4 2/3')
3	84" (7')
4	112" (9 1/3')
5	140" (11 2/3')
6	168" (14')
7	196" (16 1/3')
8	224" (18 2/3')



 City Limit     Private Property Docking (unconfirmed)

**BIKE SHARE RACK SITE**  
CAPITOL





**#1**

# Corner of Melton Street and 41<sup>st</sup> Avenue

**SITE DIMENSION:**

14'

**ANCHOR OR BALLASTED PLATES:**

Anchored (Concrete)

**INSTALL TYPE:**

Angled

**SINGLE OR DOUBLE:**

Single

**SAFETY MITIGATION:**

36" Delineators (white)

**NUMBER OF DOCKS:**

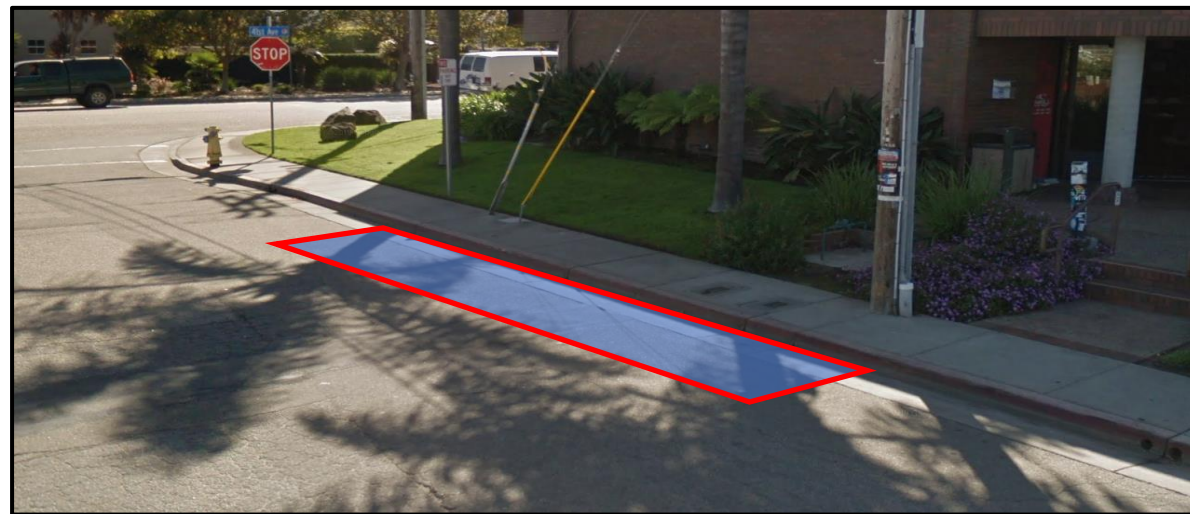
6

**CLEARANCE TO BE MAINTAINED:**

Minimum 5'+ from fire hydrant

**Citing Notes:**

N/A





# #2

## 4211 Clares Street

**SITE DIMENSION:**

14'

**ANCHOR OR BALLASTED PLATES:**

Anchor (Concrete)

**INSTALL TYPE:**

Perpendicular

**SINGLE OR DOUBLE:**

Single

**SAFETY MITIGATION:**

36" Delineators (white)

**NUMBER OF DOCKS:**

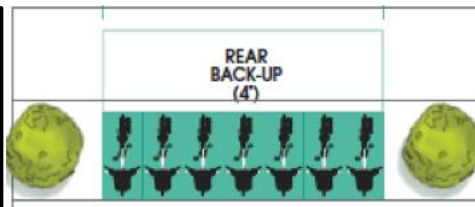
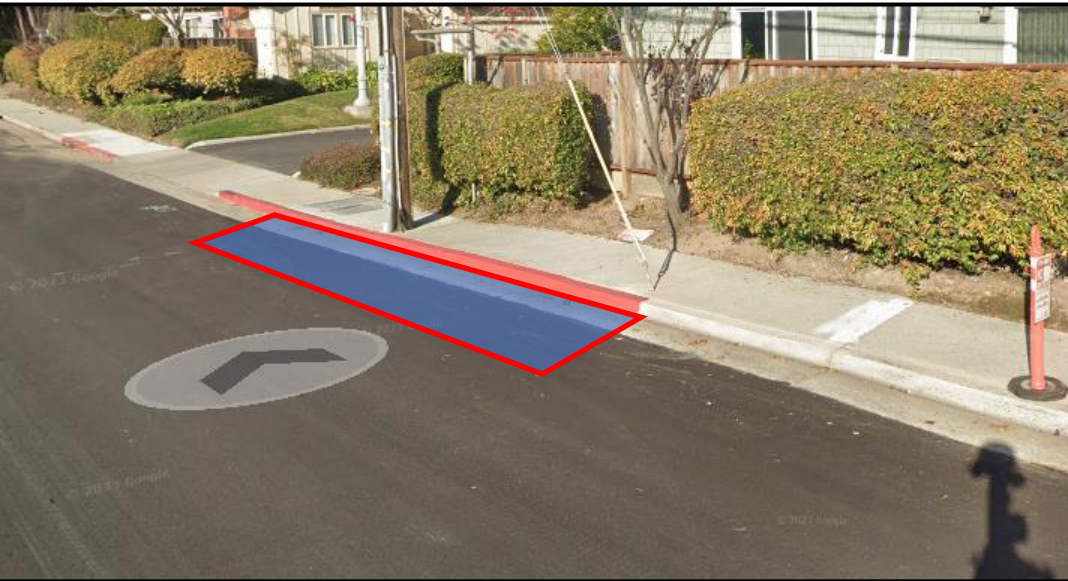
6

**CLEARANCE TO BE MAINTAINED:**

Cannot project into bike lane

**Citing Notes:**

N/A







# #3

## 45<sup>th</sup> Avenue and 4450 Capitola Road

**SITE DIMENSION:**  
14'

**ANCHOR OR BALLASTED  
PLATES:**  
Anchor (Concrete)

**INSTALL TYPE:**  
Perpendicular

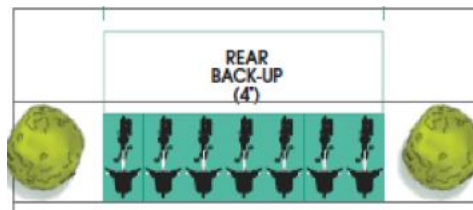
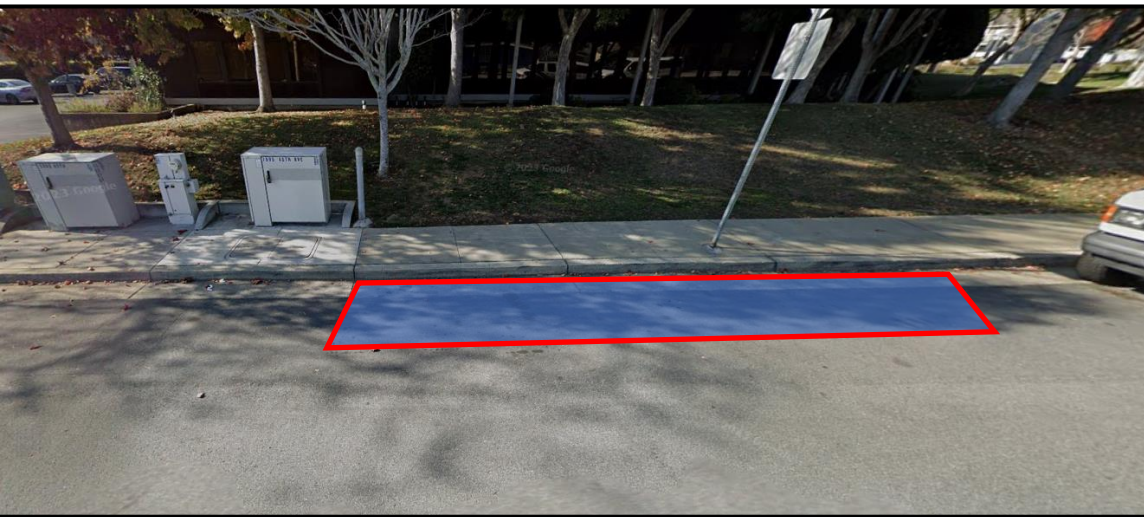
**SINGLE OR DOUBLE:**  
Single

**SAFETY MITIGATION:**  
36" Delineators (white)

**NUMBER OF DOCKS:**  
6

**CLEARANCE TO BE  
MAINTAINED:**  
- Maintain distance Util. Boxes

**Citing Notes:**  
N/A





# #4

## Jade Street Community Center

### SITE DIMENSION:

14'

### ANCHOR OR BALLASTED PLATES:

Ballasted

### INSTALL TYPE:

Perpendicular

### SINGLE OR DOUBLE:

Single

### SAFETY MITIGATION:

36" Delineators (white)

### NUMBER OF DOCKS:

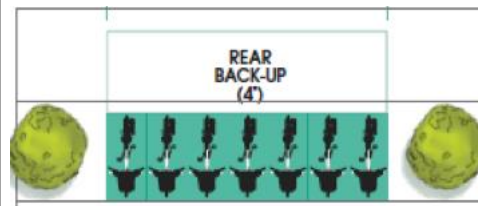
6

### CLEARANCE TO BE MAINTAINED:

Maintain 14' one way drive aisle

### Citing Notes:

N/A





# #5

## Park at Rispin Mansion - Wharf Rd.

**SITE DIMENSION:**

18' 8"

**ANCHOR OR BALLASTED  
PLATES:**

Ballast

**INSTALL TYPE:**

Perpendicular

**SINGLE OR DOUBLE:**

Single

**SAFETY MITIGATION:**

N/A

**NUMBER OF DOCKS:**

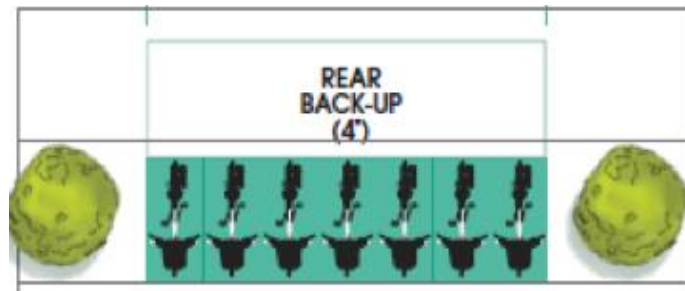
8

**CLEARANCE TO BE MAINTAINED:**

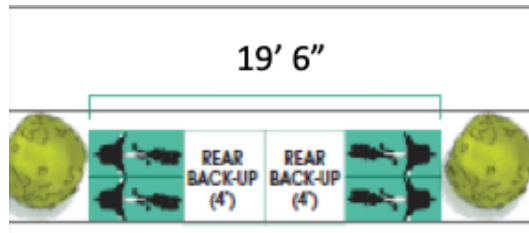
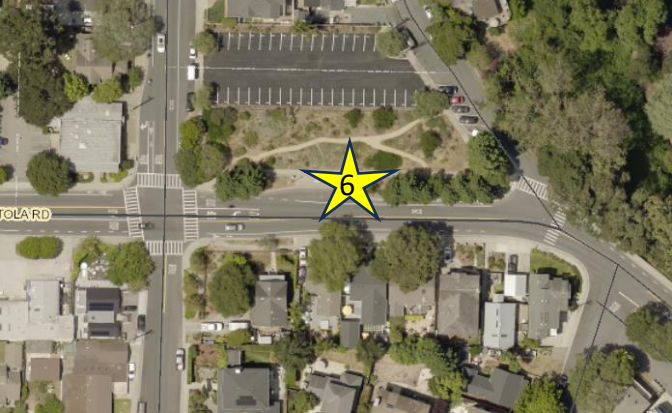
- Maintain ADA/Path access

**Citing Notes:**

N/A







# #6

## Capitola Road and Wharf Road

### SITE DIMENSION:

19'6"

### ANCHOR OR BALLASTED PLATES:

Anchor (Concrete)

### INSTALL TYPE:

Parallel to Street (*Face-to-face*)

### SINGLE OR DOUBLE:

Single

### SAFETY MITIGATION:

N/A

### NUMBER OF DOCKS:

4

### CLEARANCE TO BE MAINTAINED:

- Maintain ADA, Bus exit/entry

### Citing Notes:

- Ensure maintain on pad only



# #7

## 49<sup>th</sup> Avenue and Prospect Avenue

**SITE DIMENSION:**

18' 8"

**ANCHOR OR BALLASTED  
PLATES:**

Anchor (Asphalt)

**INSTALL TYPE:**

Angled

**SINGLE OR DOUBLE:**

Single

**SAFETY MITIGATION:**

N/A

**NUMBER OF DOCKS:**

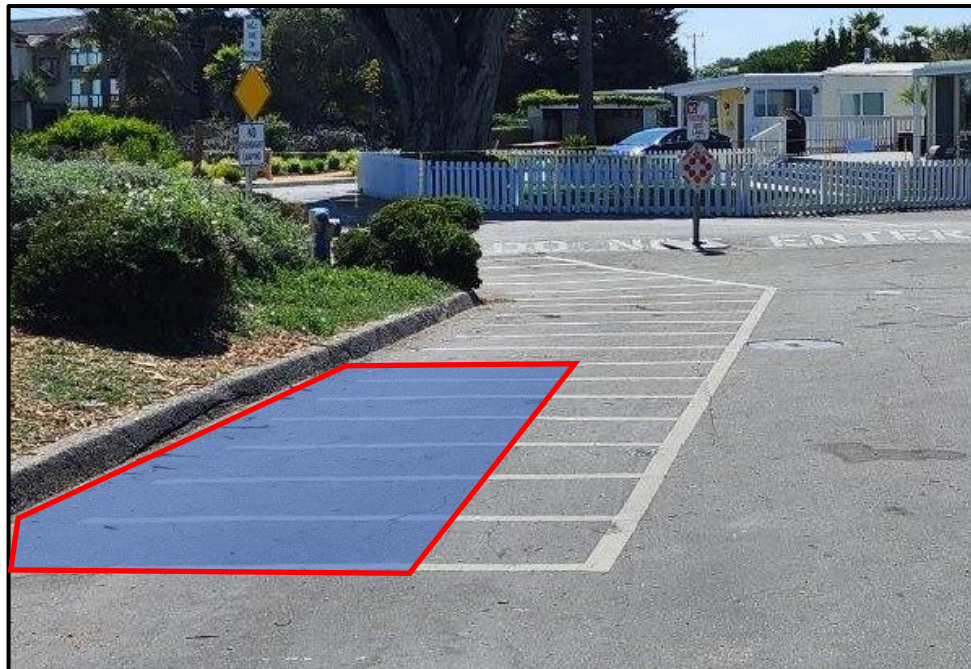
8

**CLEARANCE TO BE  
MAINTAINED:**

- Maintain any ADA

**Citing Notes:**

N/A





# #8 Cliff Drive



**SITE DIMENSION:**

9' 4"

**ANCHOR OR BALLASTED PLATES:**

Ballasted

**INSTALL TYPE:**

Perpendicular

**SINGLE OR DOUBLE:**

Single

**SAFETY MITIGATION:**

N/A

**NUMBER OF DOCKS:**

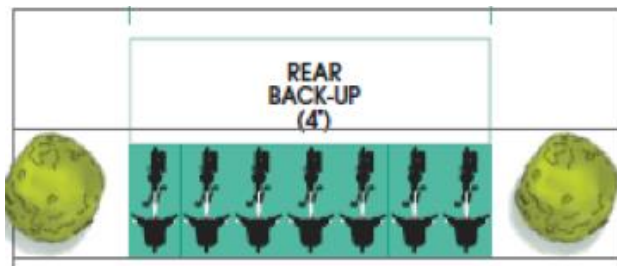
4

**CLEARANCE TO BE MAINTAINED:**

- Maintain space for car doors/ADA

**Citing Notes:**

N/A







# #9

## Bay Avenue and Hill Street

**SITE DIMENSION:**

11' 8"

**ANCHOR OR BALLASTED PLATES:**

Anchor (Concrete)

**INSTALL TYPE:**

Angled

**SINGLE OR DOUBLE:**

Single

**SAFETY MITIGATION:**

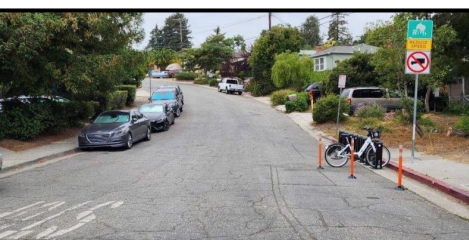
36" Delineators (white)

**NUMBER OF DOCKS:**

5

**Citing Notes:**

- Utilize Red Curb
- Public Property
- Maximize Distance from Crosswalk







# #10 Village Produce

**SITE DIMENSION:**

14'

**ANCHOR OR BALLASTED PLATES:**

Anchor (Concrete)

**INSTALL TYPE:**

Angled

**SINGLE OR DOUBLE:**

Single

**SAFETY MITIGATION:**

36" Delineators (white)

**NUMBER OF DOCKS:**

6

**CLEARANCE TO BE MAINTAINED:**

- Maintain ADA

**Citing Notes:**

- Utilize partial red curb and parking spot

# # 11 City Hall



**SITE DIMENSION:**

18' 8"

**ANCHOR OR BALLASTED PLATES:**

Anchor (asphalt)

**INSTALL TYPE:**

Perpendicular

**SINGLE OR DOUBLE:**

Single

**SAFETY MITIGATION:**

N/A

**NUMBER OF DOCKS:**

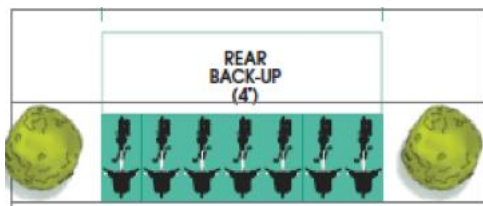
8

**CLEARANCE TO BE MAINTAINED:**

- Maintain ADA

**Citing Notes:**

Need signal test







# #12 San Jose Avenue

**SITE DIMENSION:**

9' 4"

**ANCHOR OR BALLASTED  
PLATES:**

Anchor (Concrete)

**INSTALL TYPE:**

Angled

**SINGLE OR DOUBLE:**

Single

**SAFETY MITIGATION:**

36" Delineators (white)

**NUMBER OF DOCKS:**

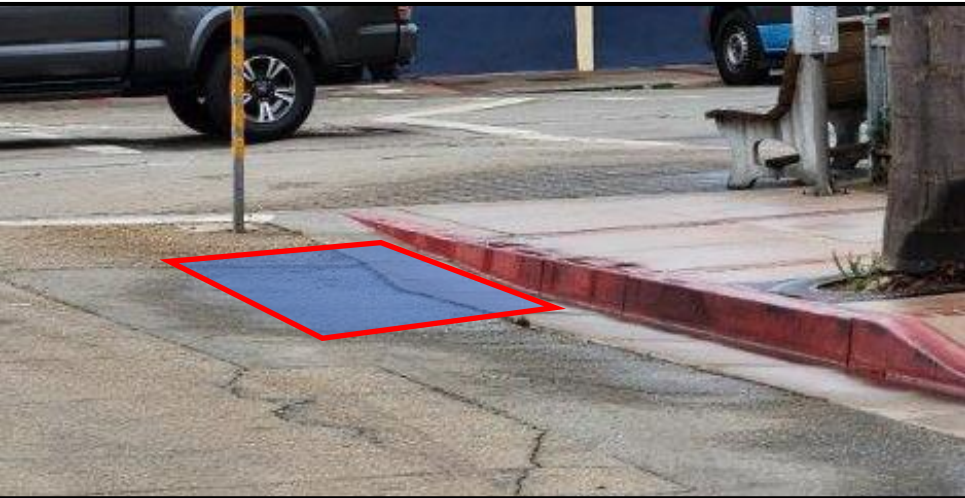
4

**CLEARANCE TO BE  
MAINTAINED:**

Maintain space for Police, car doors and potentially ADA

**Citing Notes:**

Notify PD prior to install



# #13

## Esplanade Park

**SITE DIMENSION:**

14'

**ANCHOR OR BALLASTED PLATES:**

Anchor (Concrete)

**INSTALL TYPE:**

Perpendicular

**SINGLE OR DOUBLE:**

Single

**SAFETY MITIGATION:**

N/A

**NUMBER OF DOCKS:**

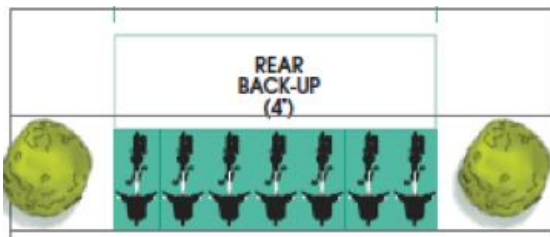
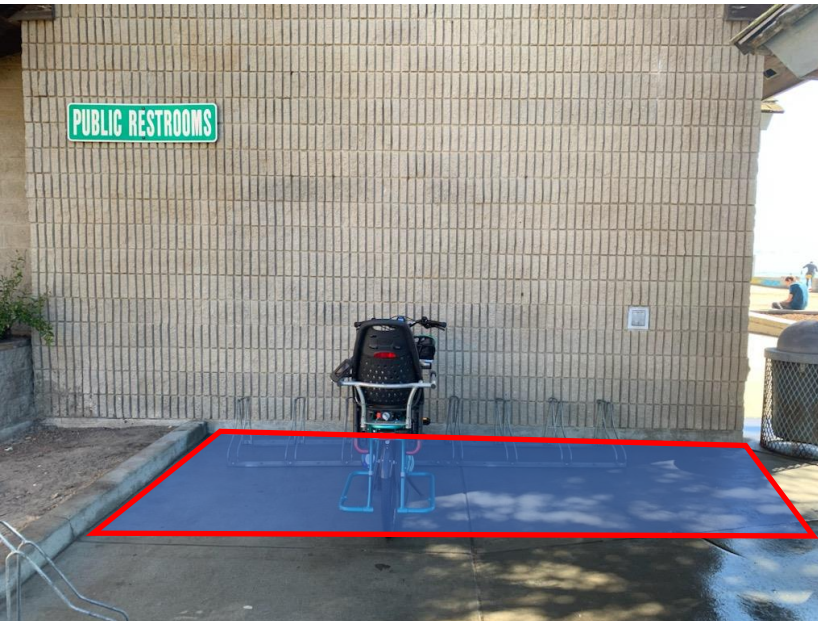
6

**CLEARANCE TO BE MAINTAINED:**

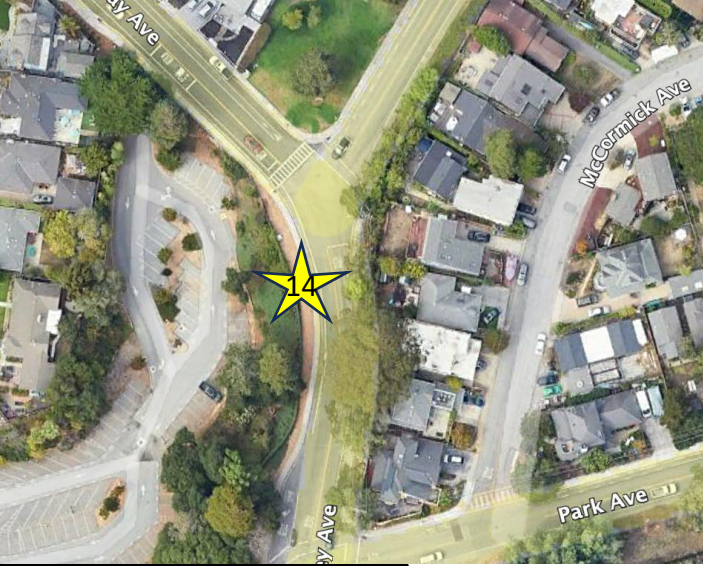
- Maintain five feet from shower head to rear tire

**Citing Notes:**

N/A







# #14 Noble Gulch Park

**SITE DIMENSION:**

18' 8"

**ANCHOR OR BALLASTED  
PLATES:**

Ballasted Plates

**INSTALL TYPE:**

Perpendicular

**SINGLE OR DOUBLE:**

Single

**SAFETY MITIGATION:**

N/A

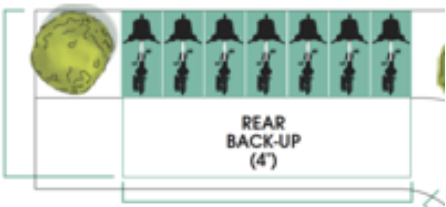
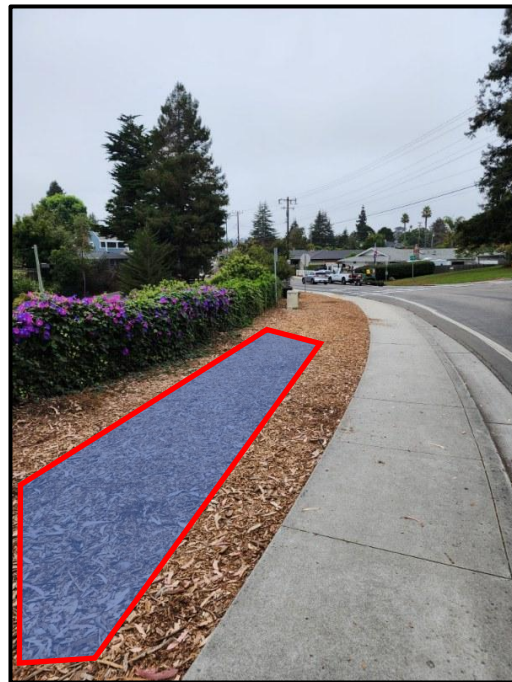
**NUMBER OF DOCKS:**

8

**CLEARANCE TO BE  
MAINTAINED:**

- Maintain distance from Utility  
Box

**Citing Notes:** N/A



# #15

## Monterey Avenue Park



**SITE DIMENSION:**

9'4"

**ANCHOR OR BALLASTED PLATES:**

Ballasted Plates

**INSTALL TYPE:**

Perpendicular

**SINGLE OR DOUBLE:**

Single

**SAFETY MITIGATION:**

N/A

**NUMBER OF DOCKS:**

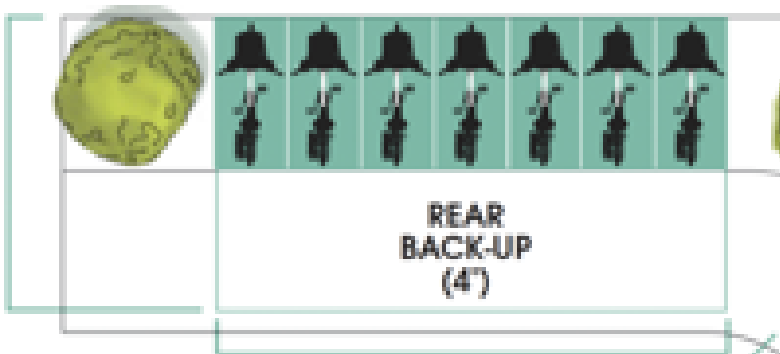
4

**CLEARANCE TO BE MAINTAINED:**

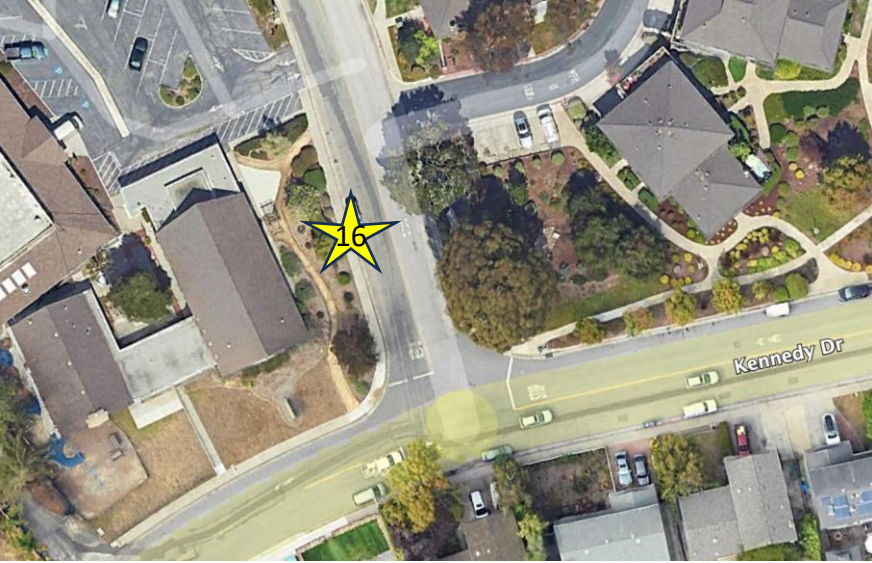
N/A

**Citing Notes:**

- Site to be installed on updated Site area  
(post-PG&E construction finish)







# #16

## Kennedy Drive and Monterey Avenue

**SITE DIMENSION:**

9'4"

**ANCHOR OR BALLASTED PLATES:**

Anchor

**INSTALL TYPE:**

Angled

**SINGLE OR DOUBLE:**

Single

**SAFETY MITIGATION:**

36" Delineators (white)

**NUMBER OF DOCKS:**

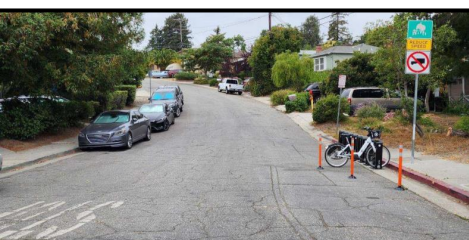
4

**CLEARANCE TO BE MAINTAINED:**

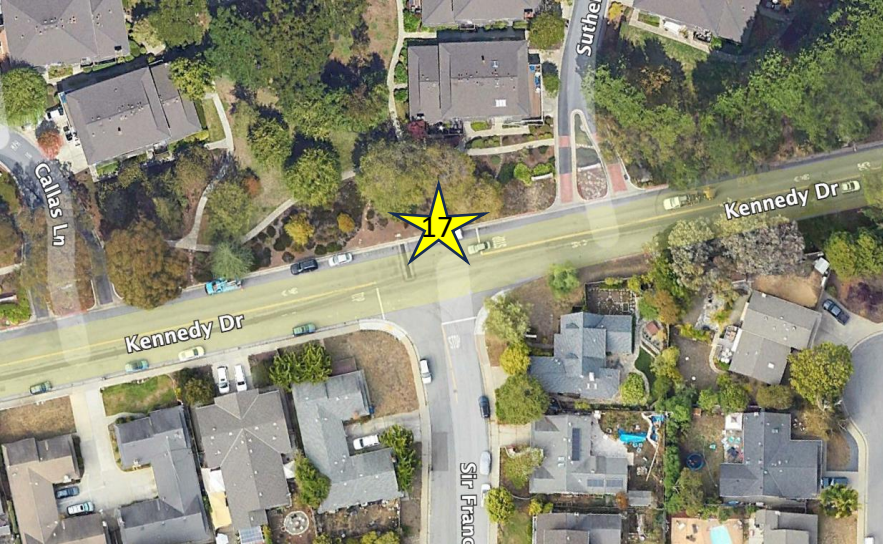
N/A

**Citing Notes:**

50 feet behind Stop stripe







# #17

## Sir Francis Avenue and Kennedy Drive

**SITE DIMENSION:**

9'4"

**ANCHOR OR BALLASTED PLATES:**

Anchored

**INSTALL TYPE:**

Angled

**SINGLE OR DOUBLE:**

Single

**SAFETY MITIGATION:**

36" Delineators (white)

**NUMBER OF DOCKS:**

4

**CLEARANCE TO BE MAINTAINED:**

N/A





# #18 Coronado Street and Park Avenue



**SITE DIMENSION:**

14'

**ANCHOR OR BALLASTED PLATES:**

Anchored

**INSTALL TYPE:**

Angled

**SINGLE OR DOUBLE:**

Single

**SAFETY MITIGATION:**

36" Delineators (white)

**NUMBER OF DOCKS:**

6

**CLEARANCE TO BE MAINTAINED:**

N/A

**Citing Notes:**

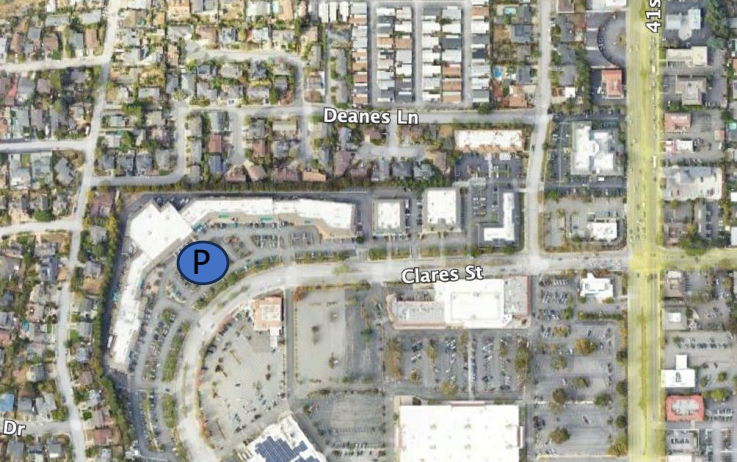
- 30 feet behind Stop stripe



# Brown's Ranch

**Citing Notes:**

- Owner to be contacted
- Multiple locations could work

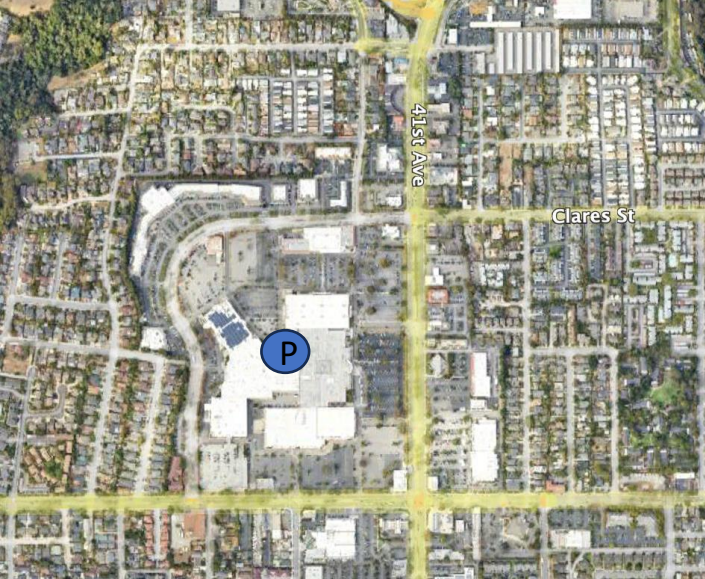




# Capitola Mall

## Citing Notes:

- Approved by Property
- TBD based upon Cell Signature Testing
- Maintain ADA
- Visible from Bus Stop



# King Plaza

## Citing Notes:

- Owner to be contacted
- Maintain ADA

