

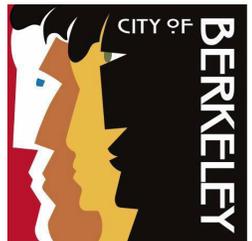


City of Berkeley

AQUATIC PARK IMPROVEMENTS

Community Workshop # 1

October 8, 2024



A wooden playground structure with a tower and a picnic table in a park setting. The tower has a circular opening. The picnic table is on a gravel path. The background shows trees and a clear blue sky.

AGENDA

- Introductions
- Project Background
- Stormwater Treatment and Bioswales
- Design Presentation
- Open Discussion
- Next Steps



INTRODUCTIONS & PROJECT BACKGROUND

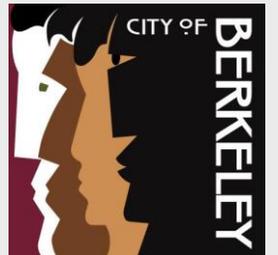
A photograph of a bioswale, a type of stormwater treatment system. It features a concrete sidewalk on the left, a bed of rocks, and clumps of tall green grasses. In the background, there are trees and a building. An orange rectangular box is overlaid in the center, containing the text "STORMWATER TREATMENT & BIOSWALES" in white, bold, sans-serif font. Two thin orange horizontal lines extend from the left and right sides of the box.

STORMWATER TREATMENT & BIOSWALES

West Berkeley Aquatic Park Stormwater Improvement Project

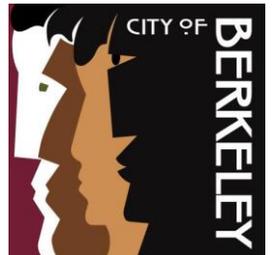
October 8, 2024

- **RICARDO SALCEDO PE, CITY OF BERKELEY – PROJECT MANAGER**
- **SRINIVAS MUKTEVI PE, CITY OF BERKELEY – SUPERVISING CIVIL ENGINEER**



General Project Info

- ▶ Grant funded water quality improvement project which includes the following:
 - ▶ Green infrastructure adjacent to Dreamland Playground
 - ▶ Trash capture infrastructure on Channing and Bancroft way east of UPRR corridor
 - ▶ Storm drainage improvements along Bancroft
- ▶ EPA SF Bay Water Quality Improvement Fund (SFBWQIF)
 - ▶ Competitive grant program focused on improving the water quality of San Francisco Bay
 - ▶ City submitted an application for funding in 2023, was selected, and Council accepted funding on June 25, 2024.
 - ▶ \$1.5M with a local match of \$1.5M



Green Infrastructure Opportunity



- ▶ Dreamland Playground adjacent to one of the City's storm drain outfalls to Aquatic park.
- ▶ Contributing sources of pollutants:
 - ▶ Illegal dumping
 - ▶ Light industrial uses
 - ▶ Commercial uses
 - ▶ Fertilizers
- ▶ Good candidate for bioretention/flow-through planter installation.
- ▶ Attempts taken to begin incorporating green infrastructure in 2020 but limited space yielded limited treatment areas

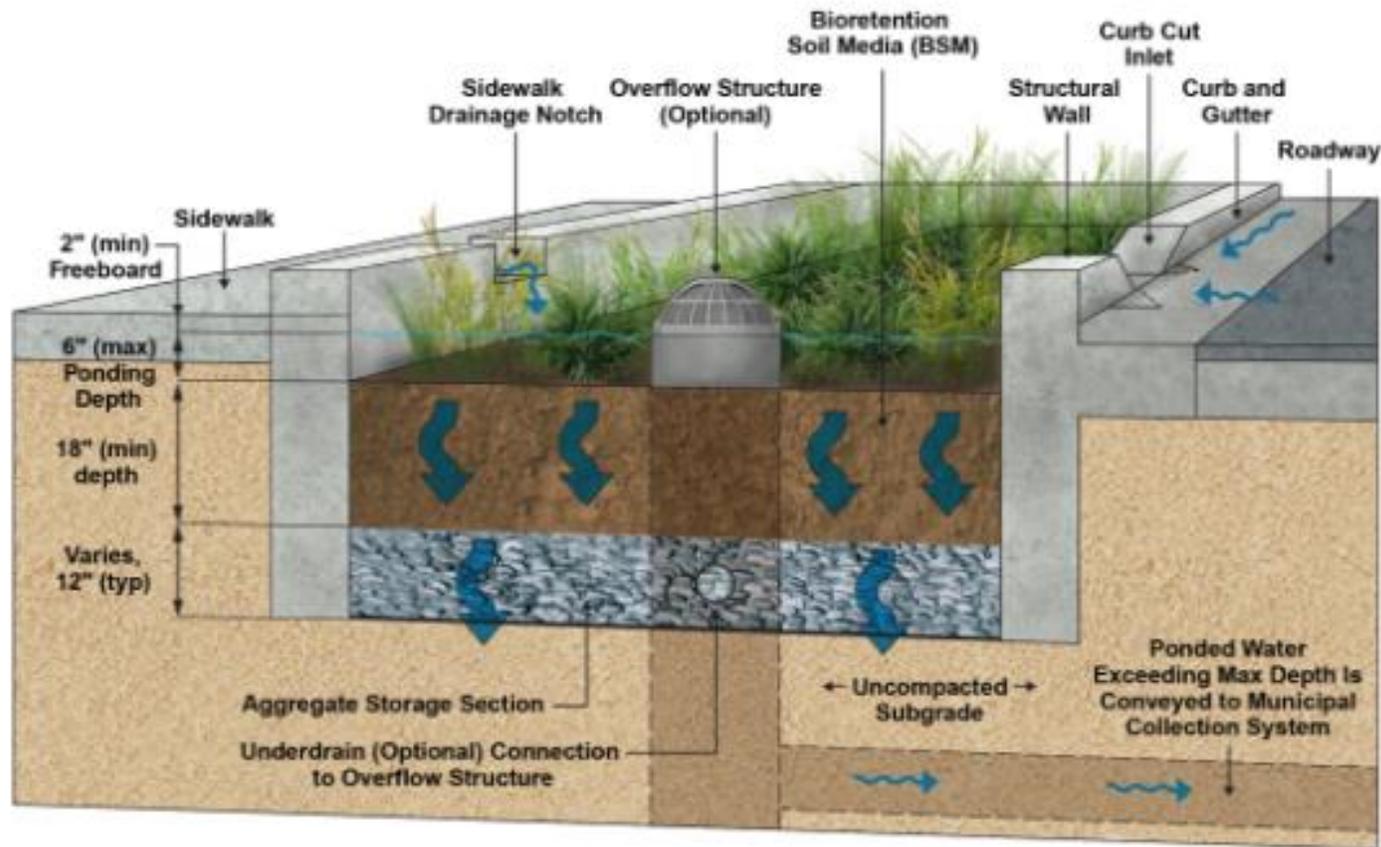


Bioretention/Flow-through planters

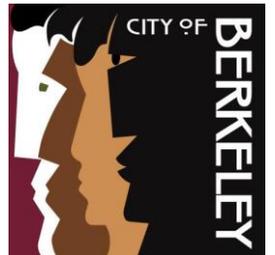


- ▶ Removes pollutants from stormwater
 - ▶ Filtration
 - ▶ Uptake by vegetation
 - ▶ Microbes
- ▶ Specially designed soil media
 - ▶ Achieves design infiltration rate of at least 5 inches/hour
 - ▶ Supports plant growth

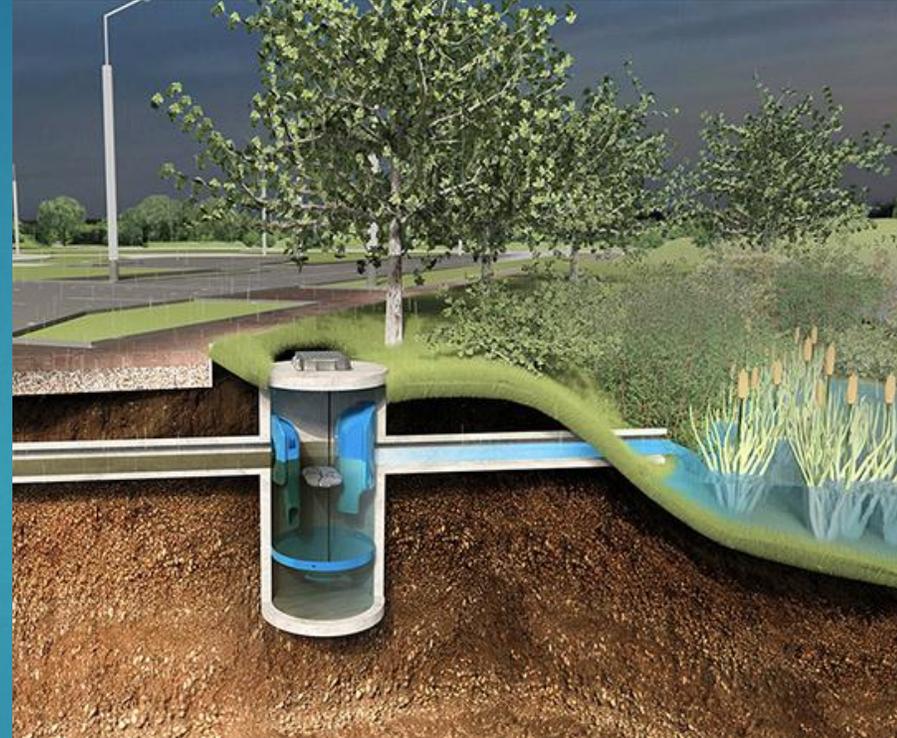
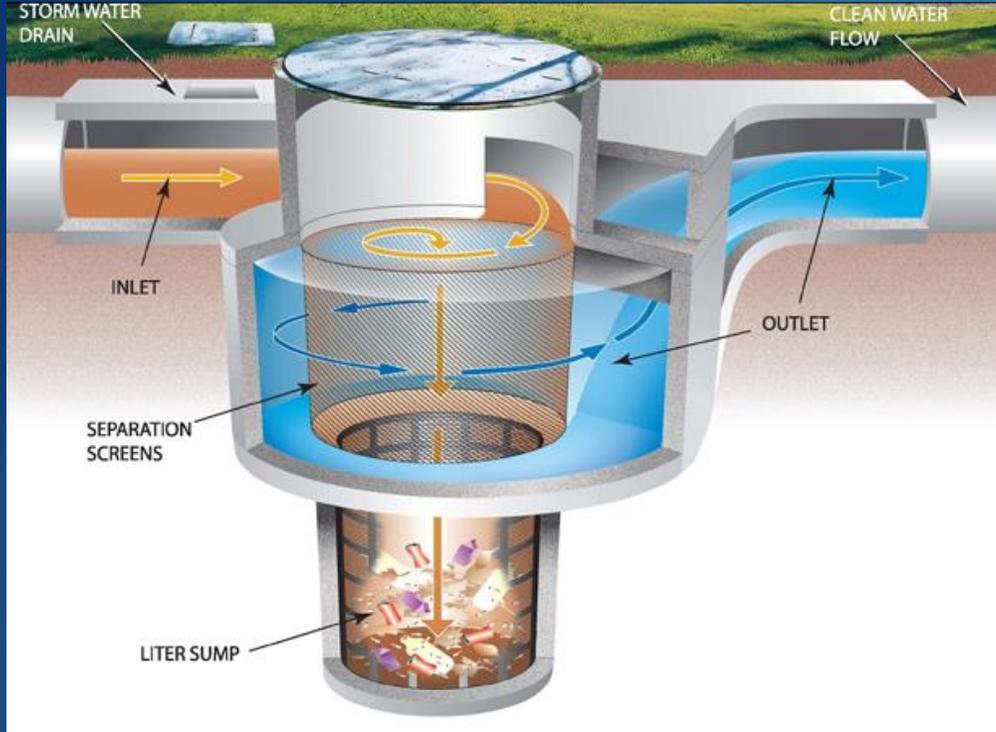
Bioretention basins



- ▶ Typically section consists of:
 - ▶ 6" ponding storage above biotreatment soil
 - ▶ 18" Biotreatment Soil Mix
 - ▶ Permeable rock layer
- ▶ Overflow drainage structure can be included to direct runoff to the public storm drain system in significant storm events



Trash Capture - HDS



- ▶ In addition to the GI, a new Hydrodynamic Separation (trash capture) device will be installed on Channing Way, upstream of the park
- ▶ This system uses swirl concentration and continuous deflective separation to screen, separate, and trap trash, debris, sediment, and hydrocarbons from stormwater runoff

Project Schedule

- ▶ Construction deadline to receive Grant Funding is 2027
- ▶ Construction tentatively expected in 2026.



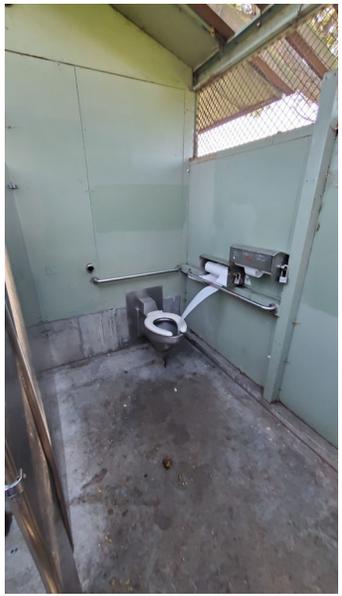
PROJECT AREA



EXISTING SITE



EXISTING SITE



EXISTING SITE



Creative Climbers



Sand and Water Play



Natural Play Materials



Signature Play Piece

PLAYGROUND



Interactive Climber



Musical Play



Zip Line



Slope Play



Basket Swing



Imaginative Play

PLAYGROUND



Twisting Climbers



Sculptural Play



Spinners

PLAYGROUND



Modern and Classic Facilities



Themed Murals and Artwork



RESTROOM MAINTENANCE BUILDING



Paths for Leisurely Strolling



Streetside but Serene



Active and Multi-Use Paths



Standard Park Paths



CIRCULATION PATHS



Naturalistic Mini-Theater



Garden Picnic Areas



Shaded Group Picnic Areas



Family Gathering Areas



Outdoor Classrooms

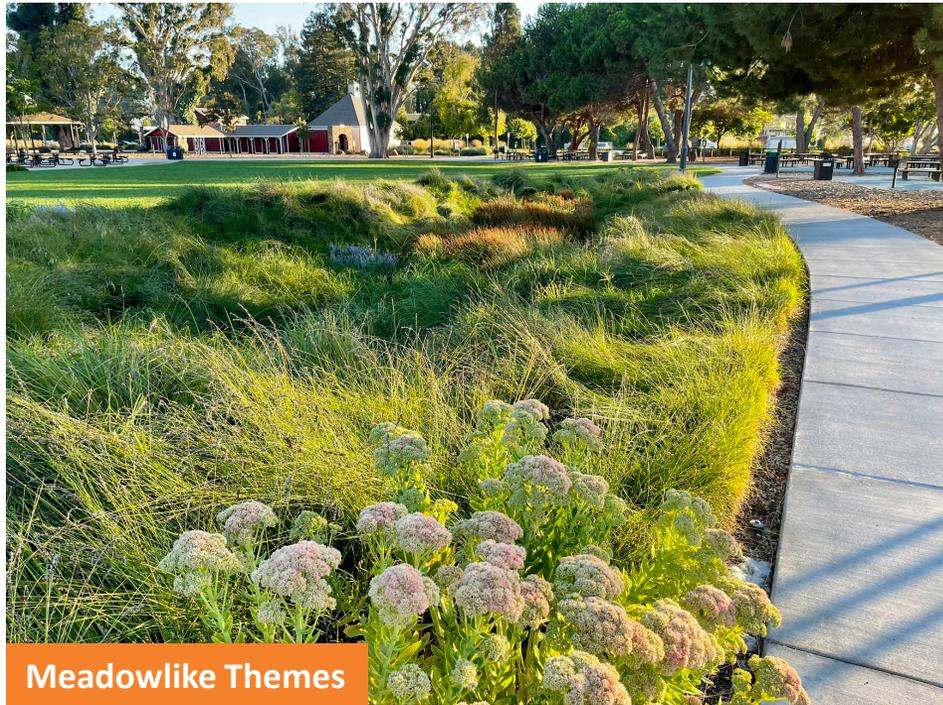


Picnic Adjacent to Playground

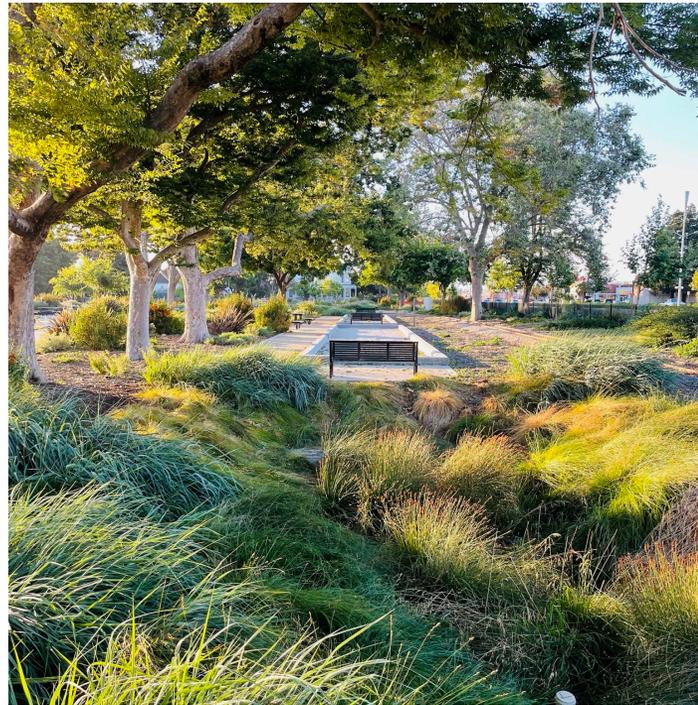
PICNIC AREA & AMPHITHEATER



Bay-Friendly Bioswales



Meadowlike Themes



Rain Gardens and Dry Streams

BIORETENTION PLANTING



EXISTING CONDITIONS



CONCEPT #1



CONCEPT #2



CONCEPT #3

OPEN DISCUSSION

- Which concept do you prefer and why?
- What elements do you prefer and why?
- What suggestions do you have for the concept designs?
- Any other feedback?

NEXT STEPS

The image shows a playground scene. On the left, there is a wooden play structure with vertical slats. The slats are decorated with colorful, abstract murals in shades of blue, green, and yellow. To the right of the structure, a green slide curves downwards. The ground is covered in light-colored gravel. In the background, there are trees and a clear blue sky. An orange banner with the text "NEXT STEPS" is overlaid on the left side of the image.

THANK YOU FOR SHARING YOUR INPUT FOR THE AQUATIC PARK CONCEPTUAL DESIGN PROJECT

- **Additional Questions & Comments**

Playground Improvements (Parks Department):

Evelyn Chan, echan@berkeleyca.gov

Stormwater Improvements (Public Works Department):

Srinivas Muktevi, smuktevi@berkeleyca.gov

- **Additional Project Information**

<https://berkeleyca.gov/your-government/our-work/capital-projects/aquatic-park-dreamland-playground-area-improvements>

- **Community Survey**

Please help by taking part in our initial survey

<https://forms.gle/Poyaag4GMUcqExqC6>

