



San Francisco  
Water  
Power  
Sewer  
Services of the San Francisco  
Public Utilities Commission

**SEWER  
SYSTEM**

IMPROVEMENT PROGRAM  
Grey. Green. Clean.

# AP Giannini Middle School Green Infrastructure Project

Community Engagement Meeting #1  
November 12, 2024

**COMMUNITY ENGAGEMENT MEETING #1: PROGRAM WORKSHOP -**

**WELCOME TO THE FIRST APG COMMUNITY ENGAGEMENT MEETING. THIS WORKSHOP IS INTENDED FOR STUDENTS, STAFF, AND PARENTS IN SHARING THEIR VISIONS FOR THE SCHOOLYARD. THIS COMMUNITY EVENT WILL FOCUS ON INTRODUCING THE PROJECT GOALS, IDENTIFYING NEEDS FOR IMPROVEMENT ON CAMPUS, AND EXPLORING OPPORTUNITIES FOR GREEN INFRASTRUCTURE.**

**YOU WILL HAVE THE CHANCE TO DISCUSS PROGRAM PRIORITIES, CONTRIBUTE YOUR IDEAS, AND REVIEW EXAMPLES OF PRECEDENTS TO INSPIRE THE PROJECT DEVELOPMENT. WE WILL PRESENT THE FEEDBACK THE TEAM HAS HEARD FROM THE COMMUNITY THUS FAR AND REVIEW EXISTING CONDITIONS THAT HIGHLIGHTS BOTH THE YARDS NEEDS AND PLANNING OPPORTUNITIES. YOUR INPUT IS ESSENTIAL IN CREATING A VIBRANT AND FUNCTIONAL GREEN**

**MEETING AGENDA (~45 MINUTES)**

**6:30pm INTRODUCTION/PROJECT GOALS (WILL + SARAH - SFPUC)**

**6:35pm WHAT IS GREEN INFRASTRUCTURE? (WILL + SARAH - SFPUC)**

**6:40pm EXISTING SITE / OPPORTUNITIES FOR SCHOOLYARD IMPROVEMENTS SESSION (PATRICIA - BASE)**

- ENGAGEMENTS SO FAR**
- DISCUSSION ABOUT THE CURRENT USE OF SPACE**
- PROGRAMMING NEEDS + PRIORITIES**
- VERIFYING FEEDBACK ASSUMPTIONS**

**7:10pm FUTURE ENGAGEMENT OPPORTUNITIES (MARY - SFPUC)**

# San Francisco Public Utilities Commission



**EVERY YEAR, OVER 10 BILLION  
GALLONS OF RAIN FALLS ON OUR CITY**



# San Francisco's Sewer System



**1.5 million**  
Daytime population served

**23,000**  
Catch Basins

**1,000+**  
Miles of Pipes

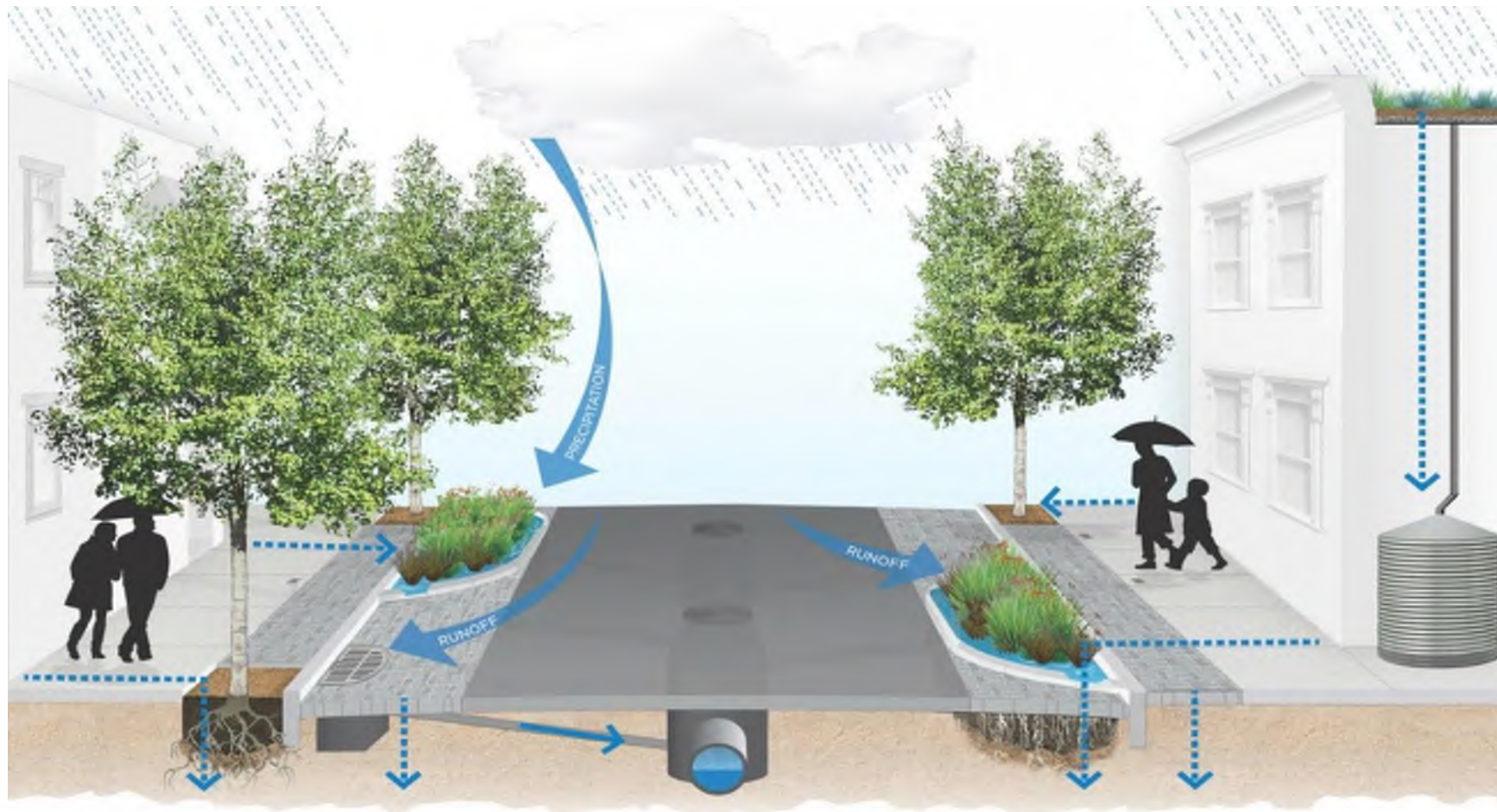
**3**  
Treatment Facilities

**8**  
Urban Watersheds

**90%**  
Combined Sewer System

# What is Green Infrastructure?

**Green Infrastructure** is a set of engineered, **sustainable** stormwater management tools that slow down, clean, and route stormwater to keep it from overwhelming the City's sewer system.



How do we make this...



work like this?

# Green Infrastructure Types

Rain Gardens



Vegetated Roofs



Permeable Pavement

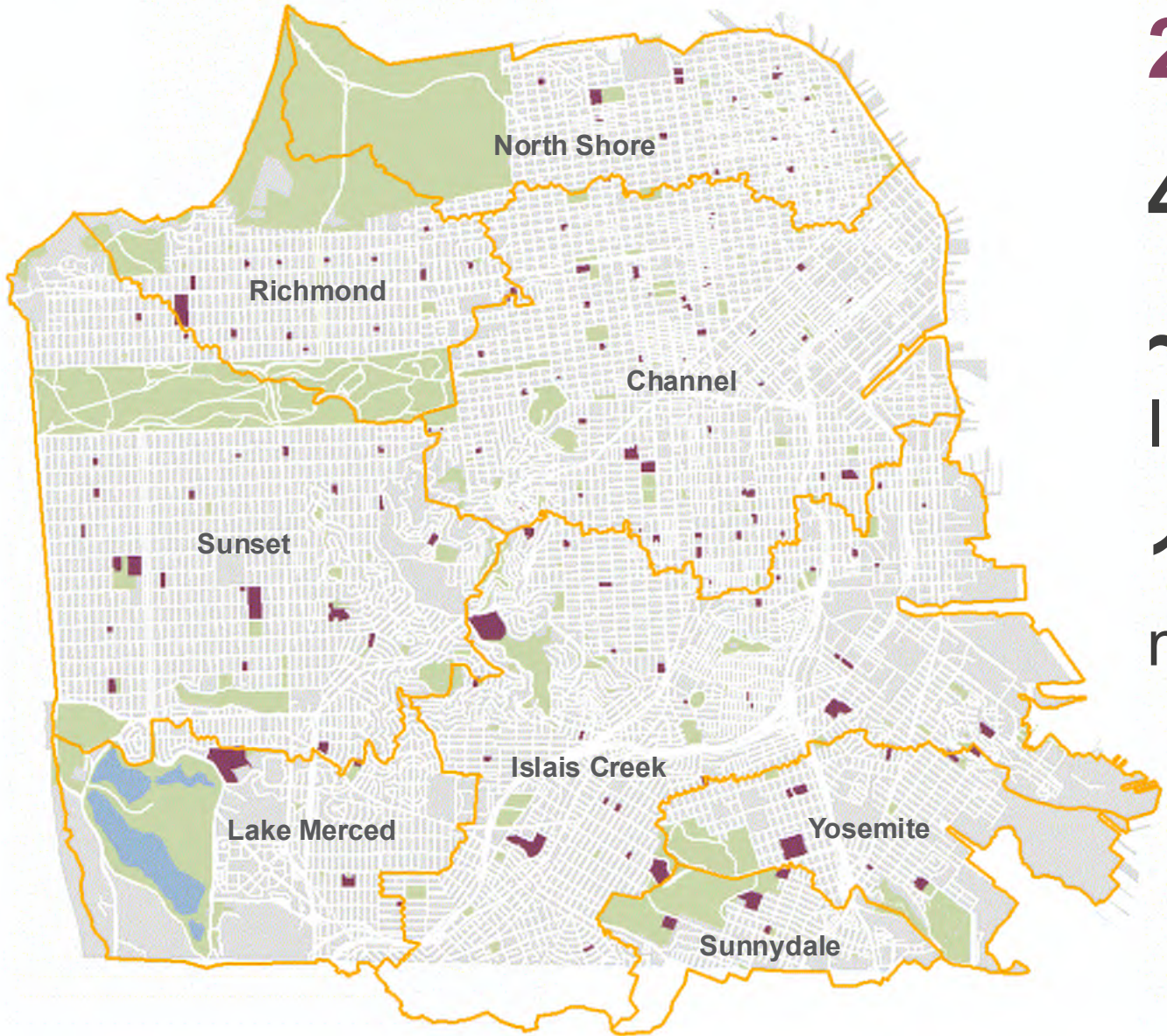


Rainwater Harvesting





# SFUSD Properties



**263** SFUSD Properties

**426 acres** of Total Area

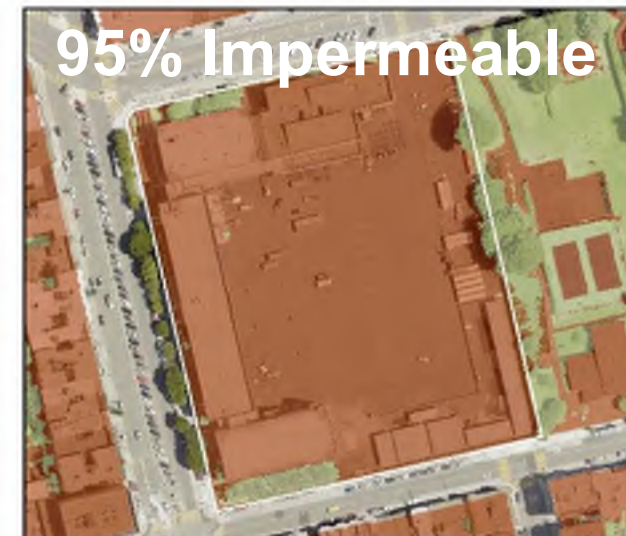
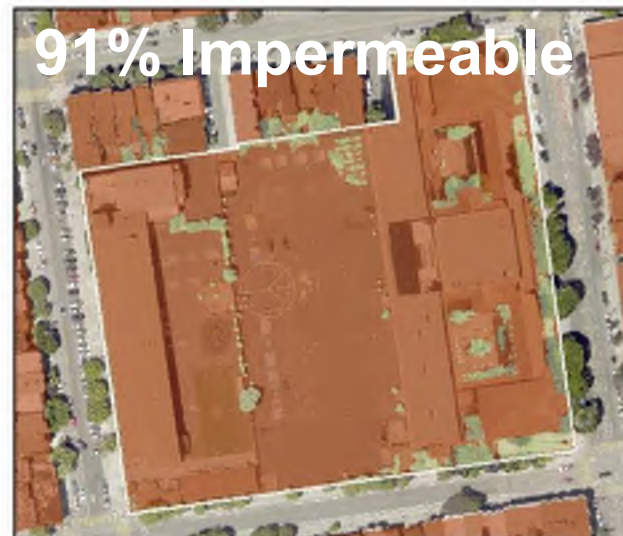
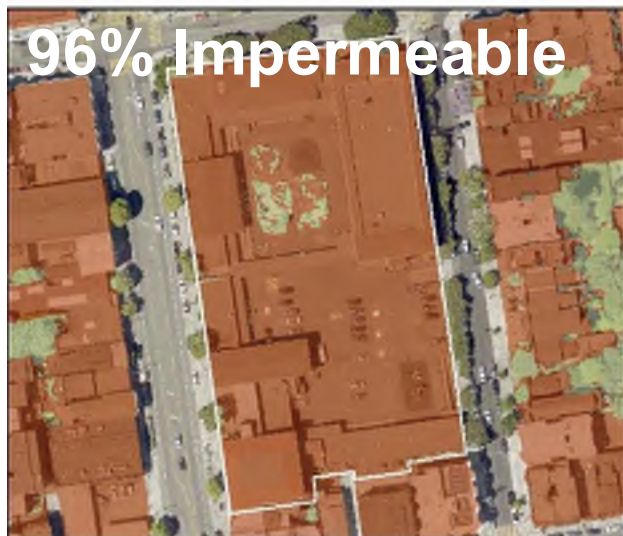
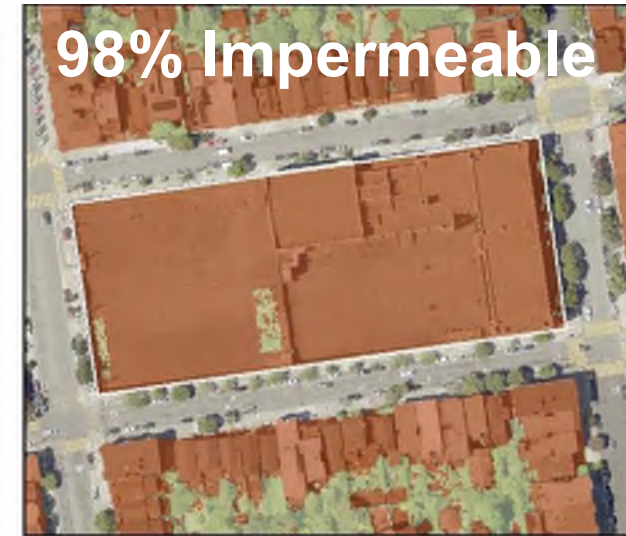
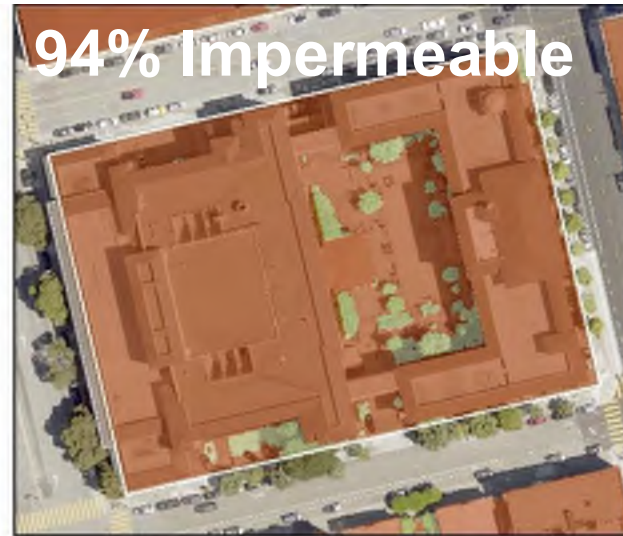
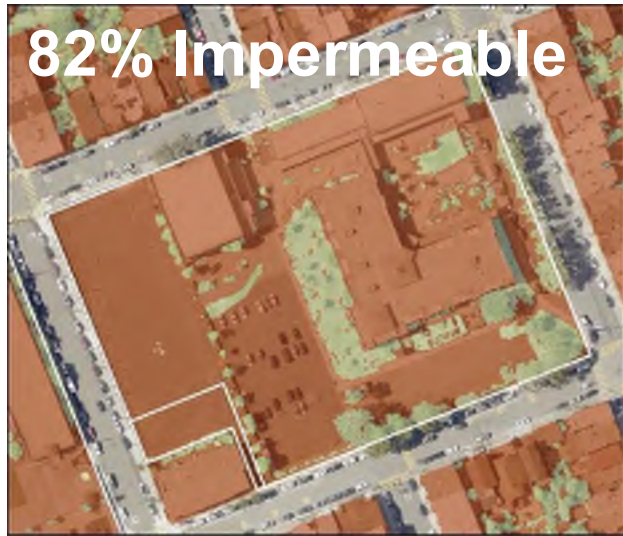
**~323 acres** of Estimated Total Impermeable Area

**144** out of 263 properties are more than **90% impermeable**

# SFUSD Properties

Impermeable

Permeable



# Lafayette Elementary School

**STORMWATER FEATURES:** 1 feature dry creek bed, 2 rain gardens, 4 new landscaped areas (impervious to pervious conversion), and 1 improved landscaped area.

**PROJECT CO-BENEFITS:** (1) Groundwater recharge. (2) The School District engaged students, teachers and designers in the creation of educational signage for the play yard.

**SIZE:** 0.7 acres

**COMPLETION DATE:** 2020

*Before*



*After*



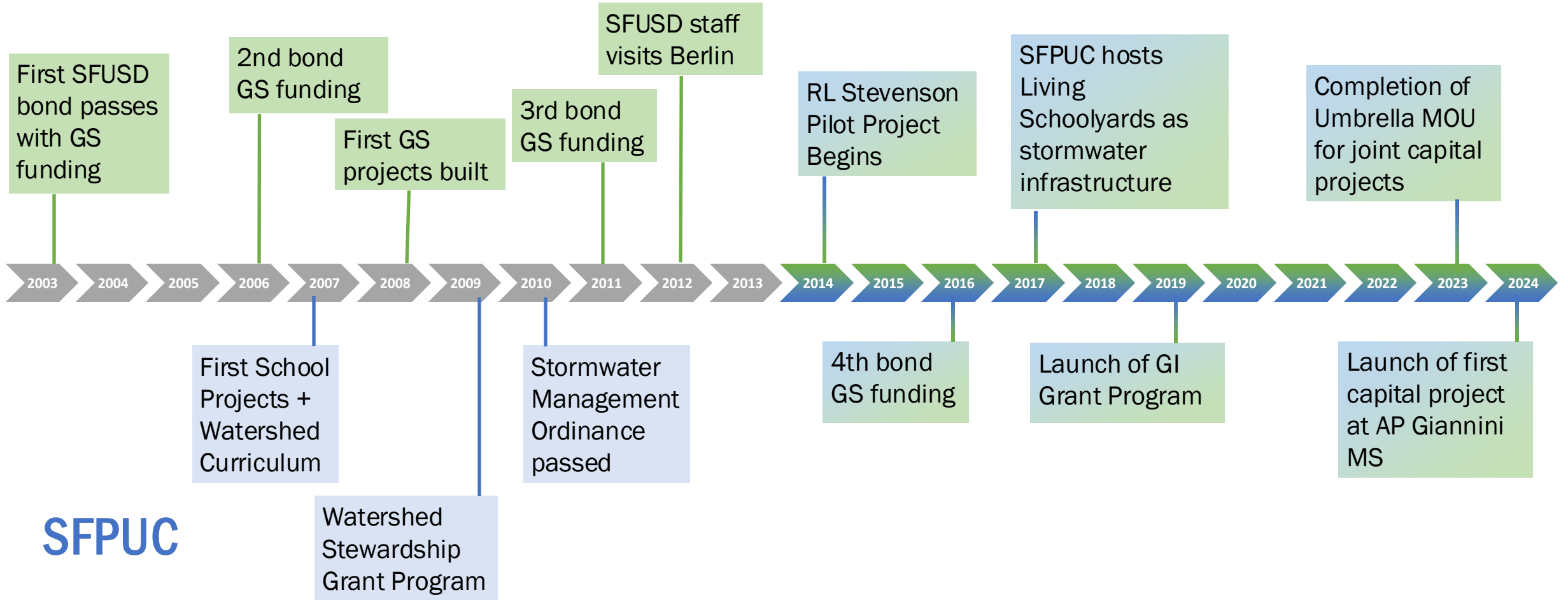
# Lafayette Elementary School





# SFUSD and SFPUC Collaboration History

## SFUSD



## SFPUC

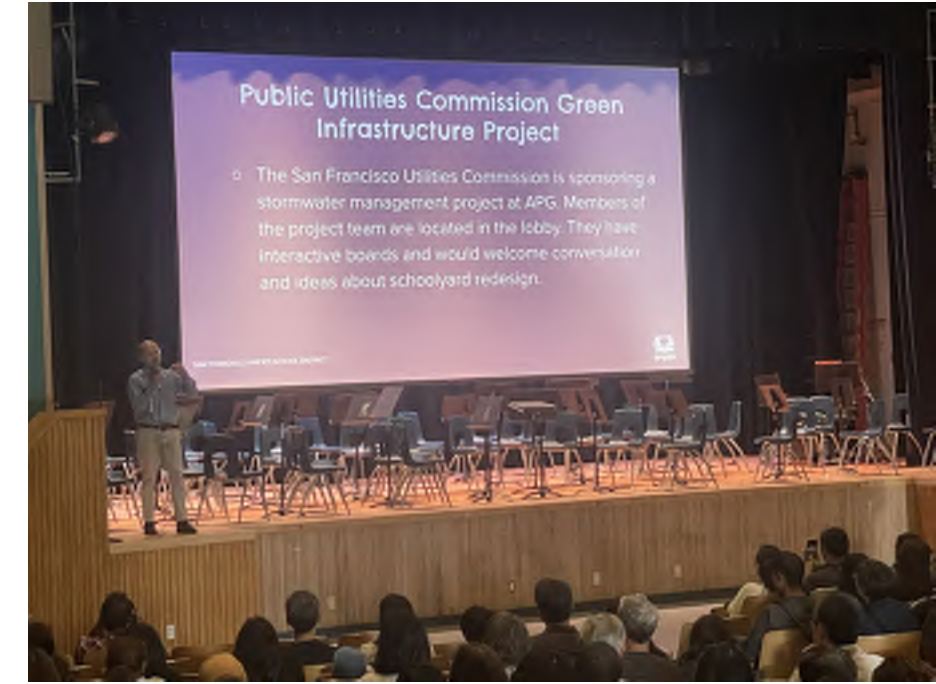
**APG SITE COMMITTEE**

- School Administration
- Teachers
- Parents



**BACK TO SCHOOL NIGHT**

- Parents
- Students
- Teachers

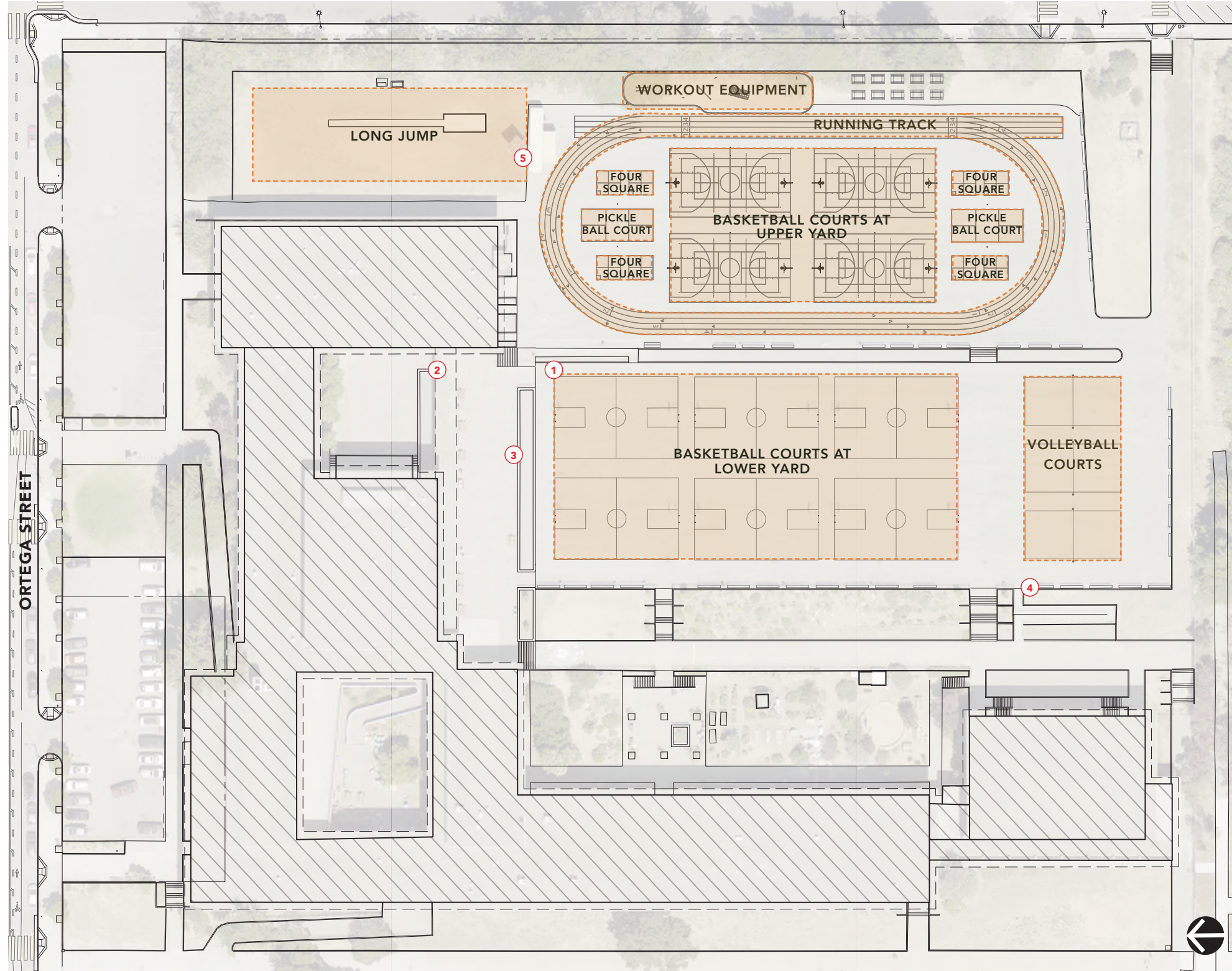


**PRINCIPAL'S TEA**

- Principal
- School Administration
- Teachers
- Parents



# SCHOOLYARD EXISTING CONDITIONS | A.P. GIANNINI MS GREEN INFRASTRUCTURE PROJECT



#	EXISTING ACTIVITY
4	BASKETBALL COURTS AT UPPER YARD
6	BASKETBALL COURTS AT LOWER YARD
3	VOLLEY BALL COURTS
1	RUNNING TRACK
5	OUTDOOR WORKOUT EQUIPMENT
1	LONG JUMP
8	FOUR SQUARE COURTS
6	PICKLE BALL COURTS

1) WHAT AREAS OF THE CURRENT SCHOOLYARD WORKS WELL, AND WHAT AREAS DO YOU THINK NEED IMPROVEMENT?

2) WHAT AREAS OF THE SCHOOLYARD DO STUDENTS AND STAFF SEEM TO ENJOY THE MOST, AND WHY?

3) THIS IS A GREEN INFRASTRUCTURE PROJECT, WHAT OPPORTUNITIES DO YOU SEE FOR ENHANCING WATER MANAGEMENT, PLANTINGS, OR BIODIVERSITY IN THE SCHOOLYARD?



# PRECEDENTS | A.P. GIANNINI MS GREEN INFRASTRUCTURE PROJECT

## ACTIVE PLAY



## GREEN INFRASTRUCTURE / STORMWATER MANAGEMENT



OUTDOOR LABRATORY



REVEALING INFRASTRUCTURE



PERVIOUS PAVERS



BIOSWALES + RAIN GARDENS



POLLINATOR / HABITAT GARDENS



WATER CAPTURE



SHADE + MICROCLIMATE MANAGEMENT



FOG / WIND / RAIN CAPTURE

## GATHERING + SEATING SPACES



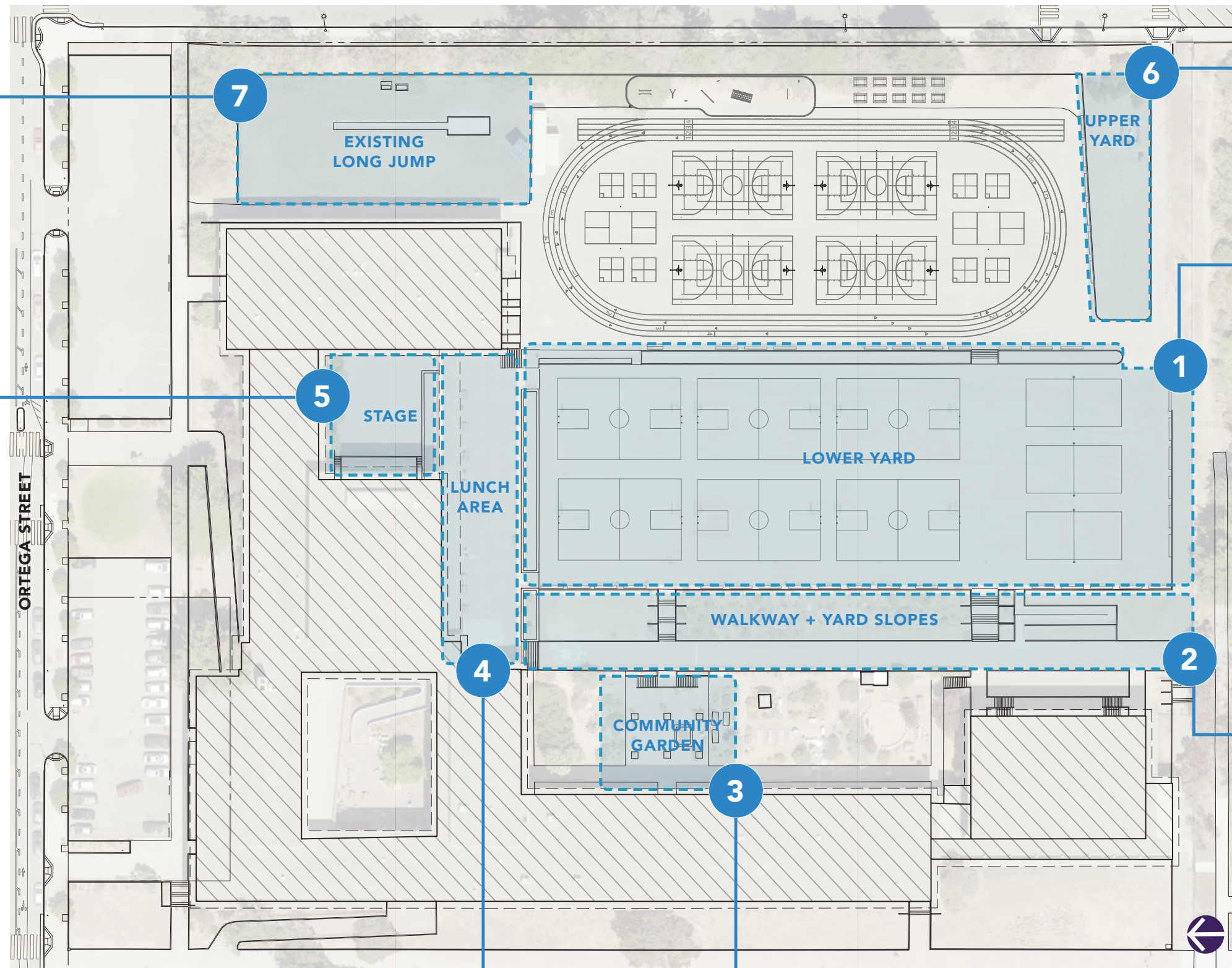
# WHAT WE'VE HEARD | A.P. GIANNINI MS GREEN INFRASTRUCTURE PROJECT

## CONCERNS

- Underutilized long jump, but required for track
- Empty area
- Warm/no shade
- Limited recreational value
- Not inviting

## CONCERNS

- Lack of shade
- Underutilized theater
- Currently used for dodgeball, is there a better space for this activity?



## CONCERNS

- Underutilized space
- Abandoned beehive
- Exposed and windy
- Used to be a well used community space
- Asphalt cracking at new upper yard and paint is peeling

## CONCERNS

- Excess basketball courts, but need to maintain at least 2 small courts in lower yard
- Volleyball courts used in summer, need to remain
- Too much asphalt
- Limited play experiences
- Limited seating
- Limited planting
- Lack of shade
- Exposed and windy
- Need flexibility for large events and groups, 6-8 PE classes are scheduled at the same time, 200 students total
- Better litter management

## CONCERNS

- "LAKE APG" flooding at path, garden, courts, and theater
- Slopes are underutilized
- Planting is not thriving

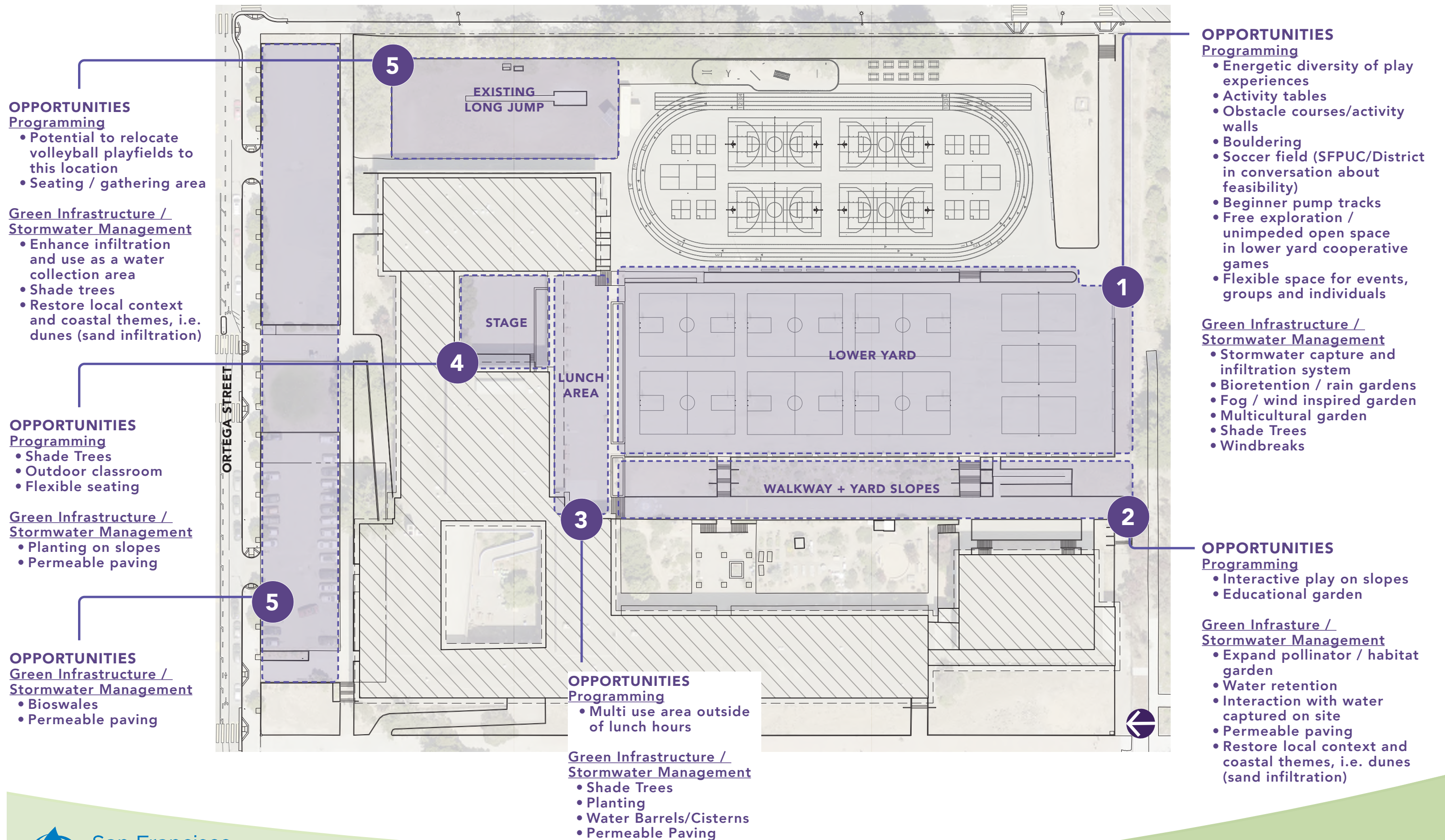
## CONCERNS

- Lack of shade
- Too much concrete

## CONCERNS

- Lack of shade
- Underutilized portions of the space
- Some elements are in need of repair

# OPPORTUNITY AREAS | A.P. GIANNINI MS GREEN INFRASTRUCTURE PROJECT



**1.) WEBSITE TO LEARN MORE ABOUT THE PROJECT**

- WEBSITE LINK: [WWW.SFPUC.GOV/APGIANNINI](http://WWW.SFPUC.GOV/APGIANNINI)
- EMAIL FOR PROJECT FEEDBACK: [GIPROJECTS@SFWATER.ORG](mailto:GIPROJECTS@SFWATER.ORG)
- INTERACTIVE ONLINE MAP FOR ENGAGEMENT IN DEVELOPMENT

**2.) STUDENT DESIGN CHARRETTE**

**3.) SITE COMMITTEE MEETINGS**

**4.) COMMUNITY MEETINGS**



**Thank you!**