

SUNSET BOULEVARD BIODIVERSITY MASTER PLAN



AGENDA

- IMPROVEMENTS
- MASTER PLAN GOALS - 2-5 YEARS
- NEXT STEPS

SUNSET BOULEVARD | DESIGN GOALS

CREATE MEANINGFUL PUBLIC SPACES

- Create areas of passive and active recreation that build on neighborhood cultural resources
- Design an immersive trail experience that connects to citywide trail network
- Engage the community through outreach initiatives for planting, maintenance, and education

CULTIVATE A BIODIVERSE LANDSCAPE

- Support San Francisco Biodiversity Resolution
- Plant native species that provide critical wildlife habitat with a focus on insects, pollinators, and birds
- Develop educational opportunities to learn about local biodiversity and wildlife

PROVIDE ECOSYSTEM SERVICES

- Manage stormwater with green infrastructure to support PUC initiatives
- Minimize water use with drought tolerant plants
- Sequester carbon by increasing plant diversity



SUNSET BOULEVARD | IMPROVEMENTS

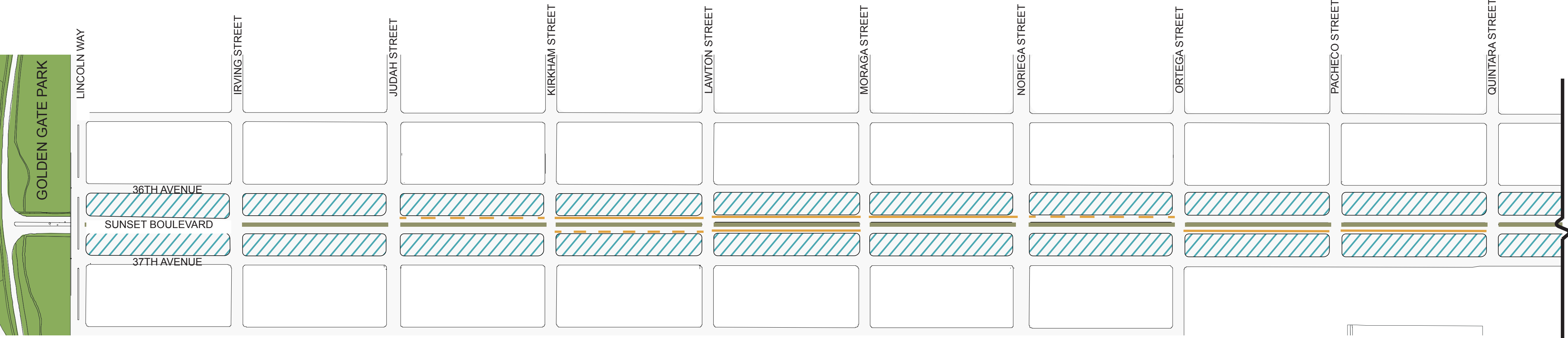
TO DATE:

- ① Restored Irrigation
- ② Restored Canopy
- ③ Removed Hazardous Trees
- ④ Wildflower Areas Planted
- ⑤ Recreational Improvements

SUNSET BOULEVARD | IMPROVEMENTS

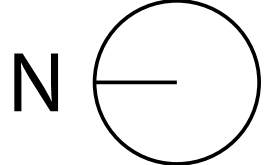
IRRIGATION IMPROVEMENTS:

- OPERATIONAL IRRIGATION SPRAY HEADS FROM LINCOLN WAY TO SLOAT BLVD.
- IRRIGATION BUBBLERS - INTERMITTENT BLOCK COVERAGE
- MEDIAN DRIP IRRIGATION - EXPLORATORY REPAIR IN PROGRESS



KEY

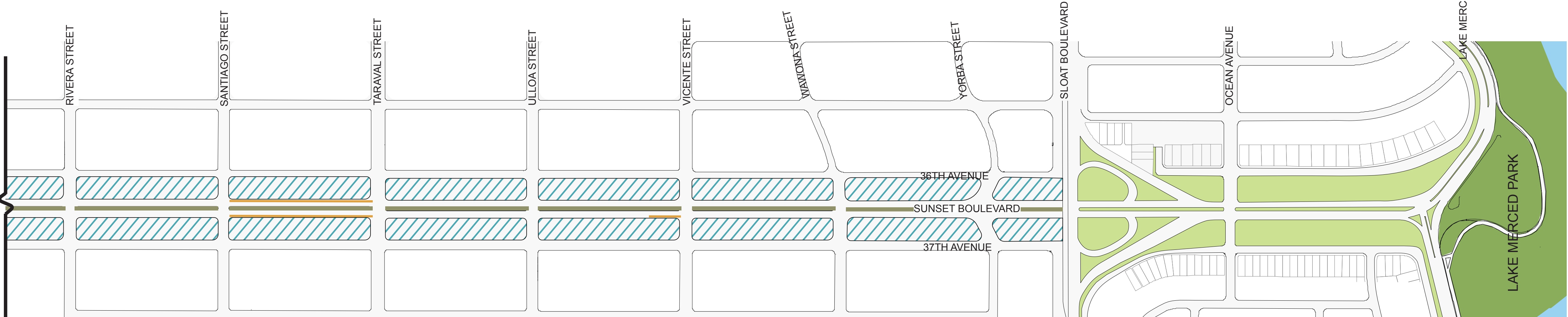
- NEW OPERATIONAL QUICK COUPLERS
- OLD OPERATIONAL QUICK COUPLERS
- MEDIAN IRRIGATION COVERAGE
- SPRAY IRRIGATION COVERAGE



SUNSET BOULEVARD | IMPROVEMENTS

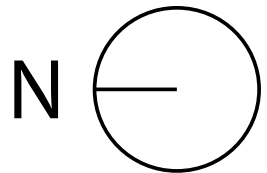
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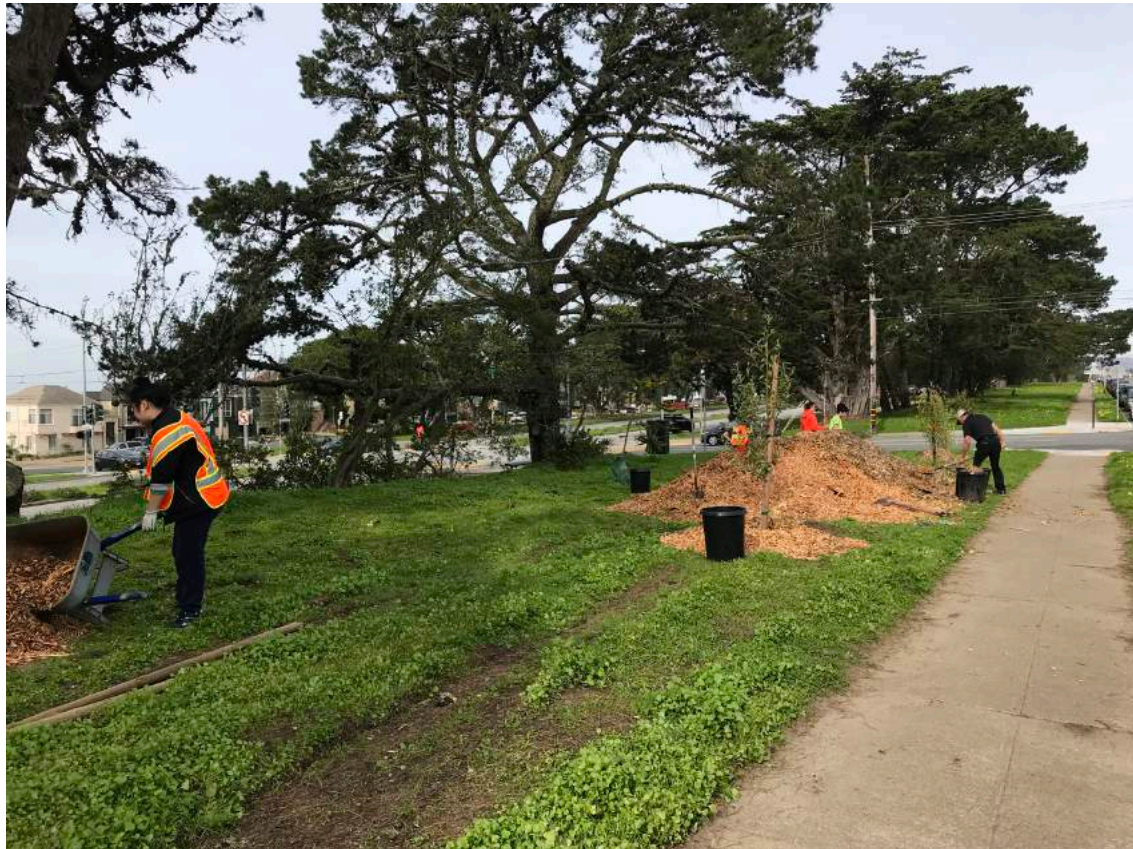
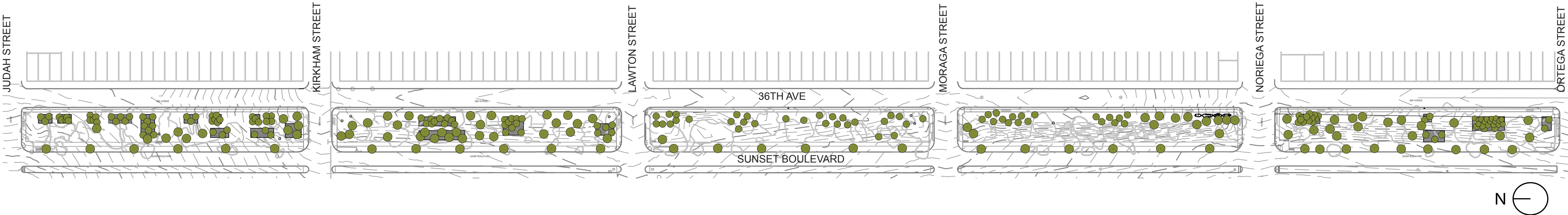
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	SPRAY IRRIGATION COVERAGE



SUNSET BOULEVARD | IMPROVEMENTS

BOULEVARD CANOPY:

- 250 NEW TREES PLANTED BETWEEN JUDAH AND ORTEGA
- HAZARDOUS TREES REMOVED
- 100 ADDITIONAL TREES TO BE PLANTED BETWEEN ORTEGA-PACHECO AND LAWTON-NORIEGA



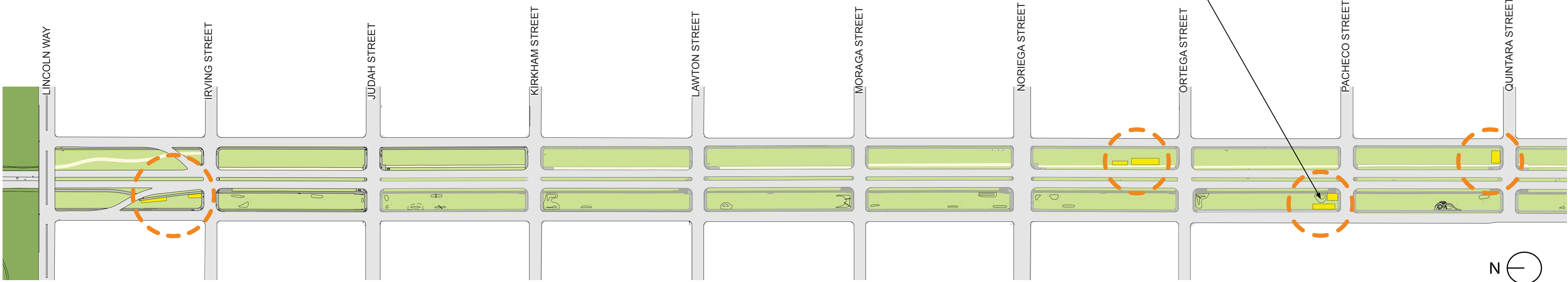
SUNSET BOULEVARD | IMPROVEMENTS

BOULEVARD PLANTINGS:

- WILDFLOWER AREAS: SEEDED BY STUDENTS AND GREENWAY GARDENERS
- DEDICATED GARDENERS AND PERMANENT STAFF ON THE BOULEVARD



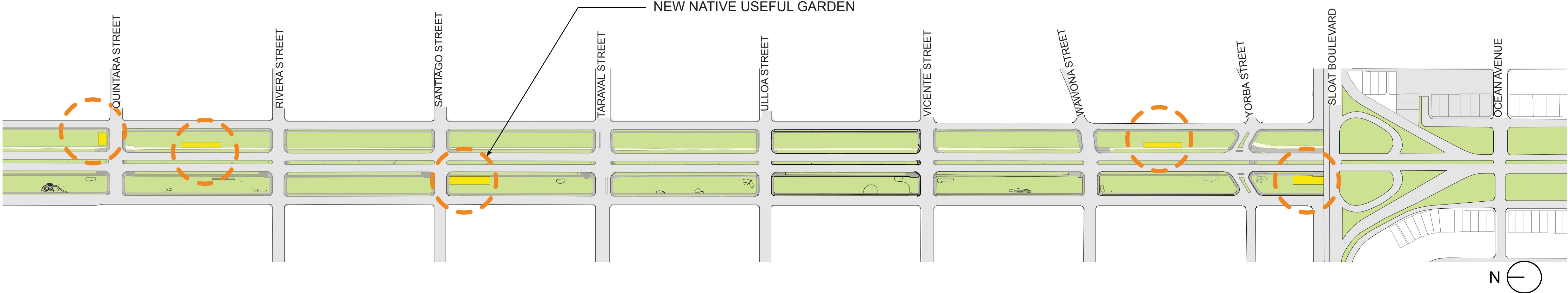
STUDENT NATIVE PLANTS GARDEN



SUNSET BOULEVARD | IMPROVEMENTS

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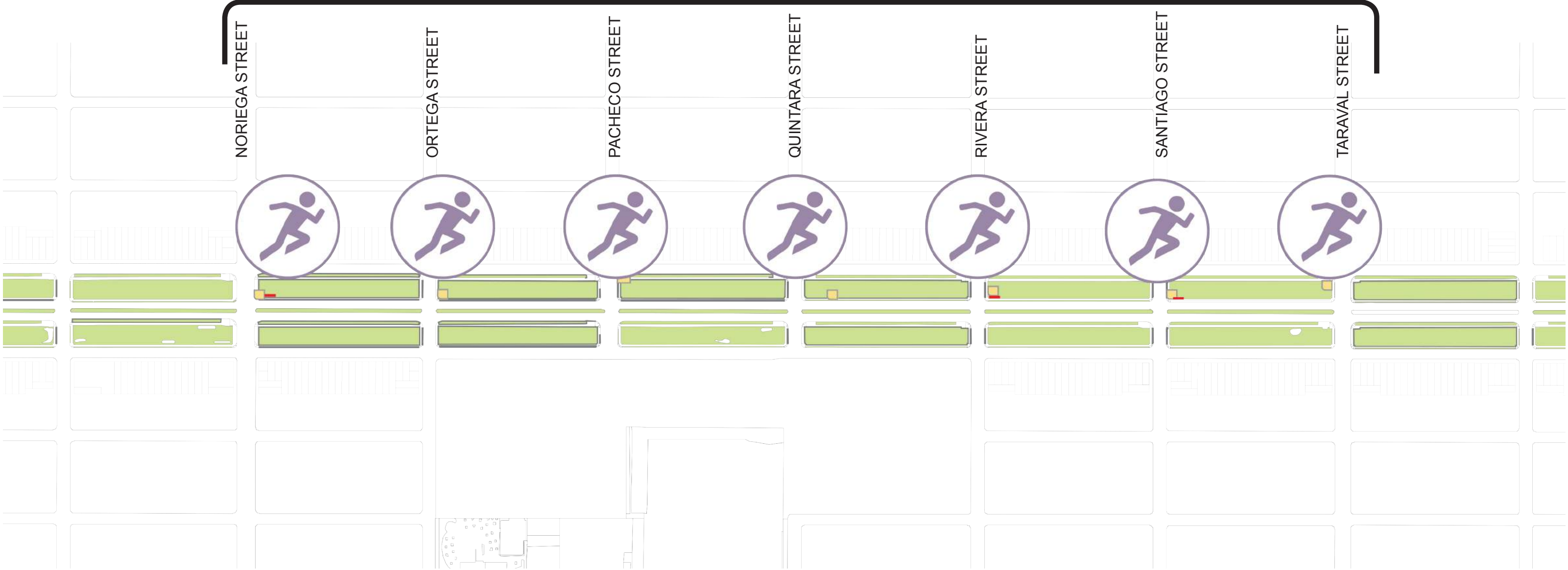
SUNSET BOULEVARD | IMPROVEMENTS

RECREATION IMPROVEMENTS:

- NEW BENCHES ALONG THE SUNSET BOULEVARD CORRIDOR
- RECREATION STATIONS FROM NORIEGA TO TARAVAL



SUNSET BOULEVARD RECREATION CORRIDOR



SUNSET BOULEVARD | IMPROVEMENTS

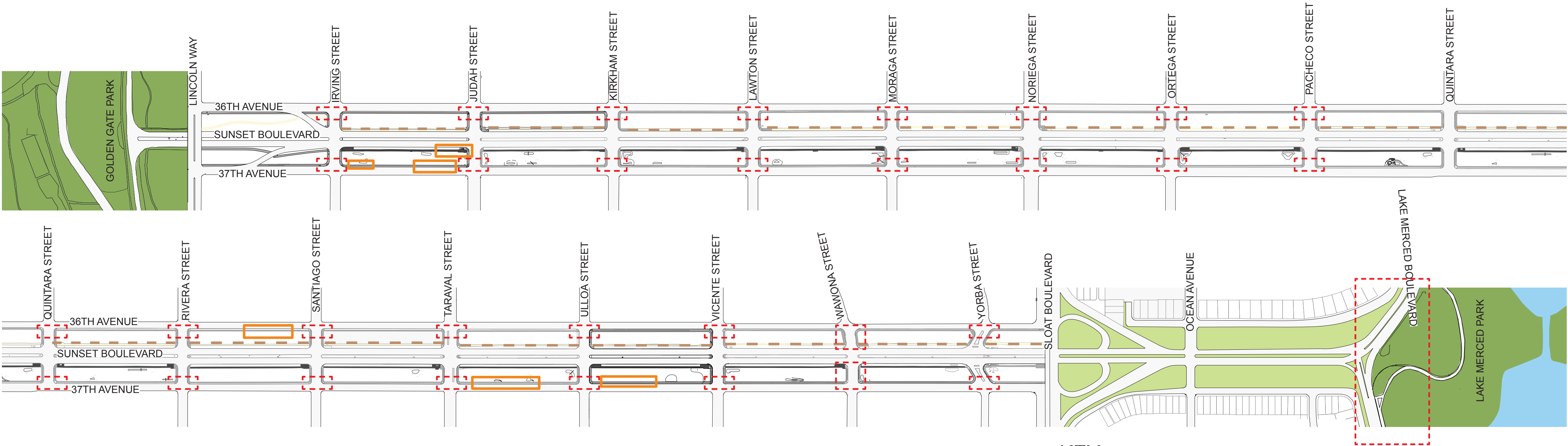
PROPOSED: 2-5 YEARS

- 1 Sidewalk Repair
- 2 Recycled Water Irrigation
- 3 Improve Center Median
- 4 Provide Maintenance Storage Area
- 5 Support Rain Gardens
- 6 Increase Biodiversity

SUNSET BOULEVARD | PHASE I

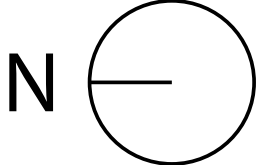
SIDEWALK IMPROVEMENTS:

- PRIORITIZATION OF HAZARDOUS AREAS FIRST
- IMPROVEMENTS TO DG TRAIL
- PEDESTRIAN SAFETY ISSUES TO BE ADDRESSED



KEY

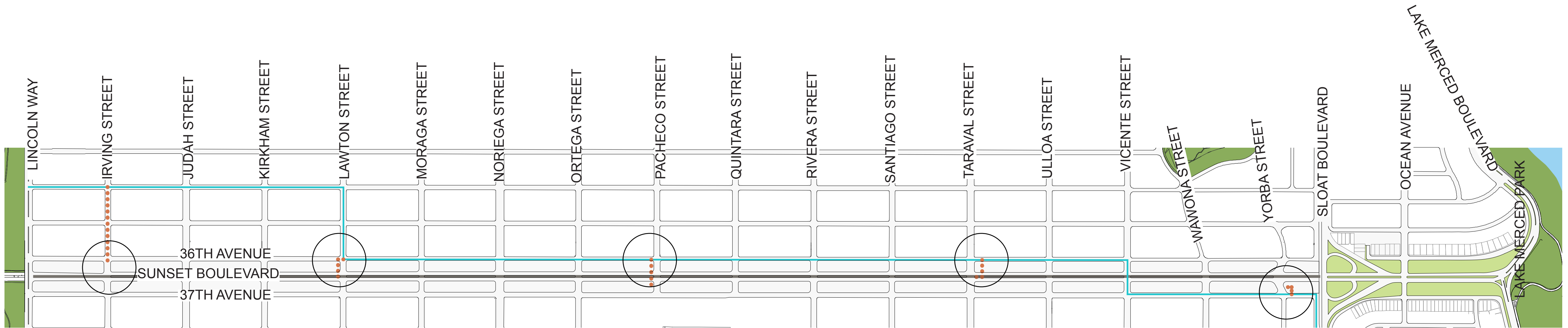
- DECOMPOSED GRANITE (DG) PATH TO BE IMPROVED
- PEDESTRIAN CROSSINGS TO BE ASSESSED FOR SAFETY
- █ WALKWAYS IN NEED OF REPAIR



SUNSET BOULEVARD | PHASE I

NEW IRRIGATION:

- RECYCLED WATER IRRIGATION LINE TO BECOME PRIME IRRIGATION SOURCE
- SUNSET IRRIGATION CONNECTS TO REVERSE OSMOSIS RECYCLED WATER LINE IN 2021
- TOTAL PROJECT COST: \$1.26 MILLION
- COST INCLUDES: TAPPING MAIN LINE AT 5 LOCATIONS, BOOSTER PUMPS, ELECTRICAL CONNECTIONS, EXCAVATION

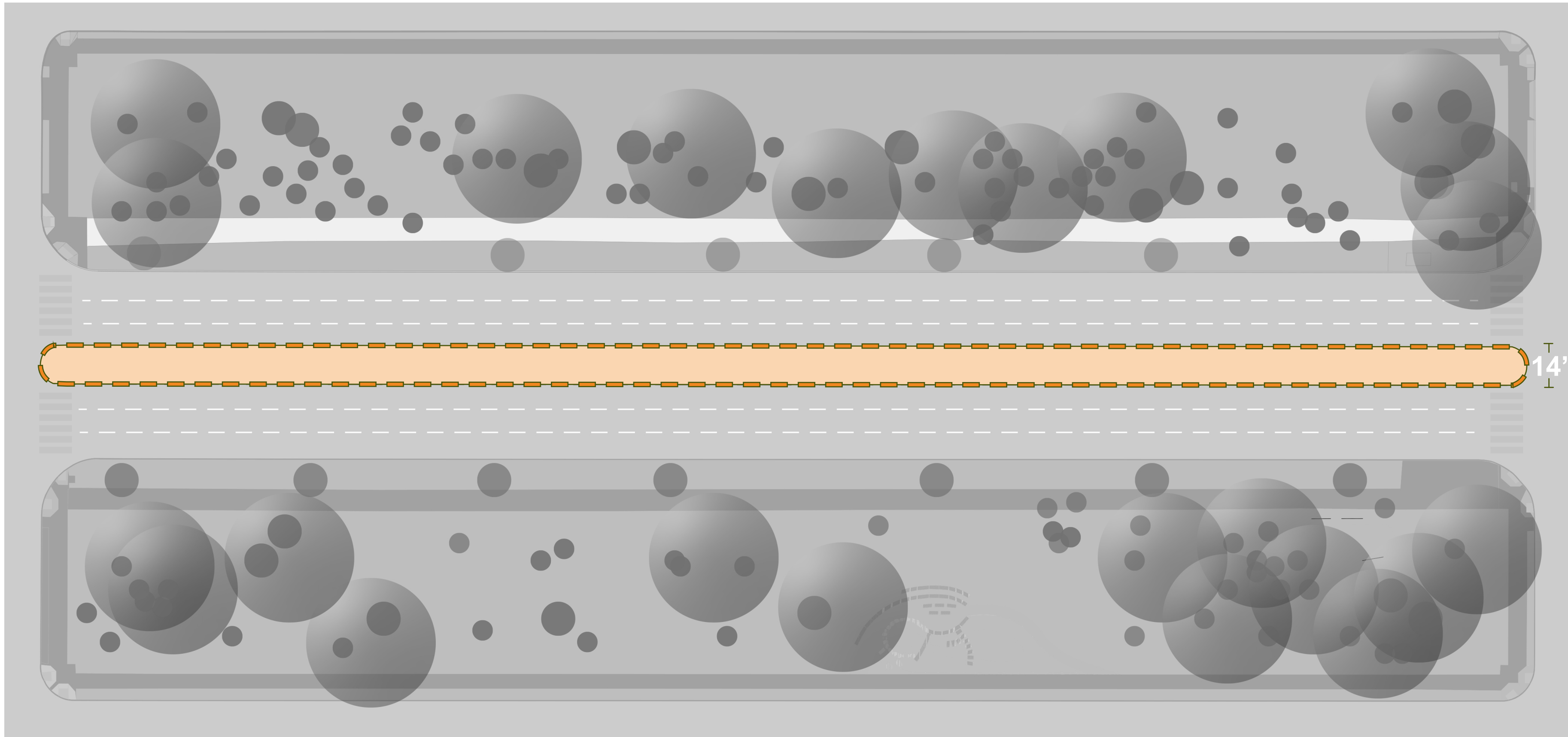


KEY

- EXISTING RECYCLED WATER LINE FROM OCEANSIDE TREATMENT PLANT SCHEDULED FOR TESTING 06/2020
- LATERAL CONNECTIONS TO RECYCLED WATER
- EXISTING POTABLE WATER LINE, CURRENT WATER SOURCE FOR SUNSET BLVD.

SUNSET BOULEVARD | PHASE I

CENTER MEDIAN PLANTING



SITE PLAN



PRESENT CONDITION:
SUCCULENTS IN CENTER MEDIAN

SUNSET BOULEVARD | PHASE I

CENTER MEDIAN PLANTING

NATIVE GRASSES AND SUCCULENTS RETROFIT



Leymus condensatus



Carex divisa



Aloe nobilis



Senecio mendralisca



Festuca mairei



Aloe arborescens

COASTAL SHRUBS



Freemontodendron



Baccharis pilularis



Acacia redolens



Coprosma kirkii

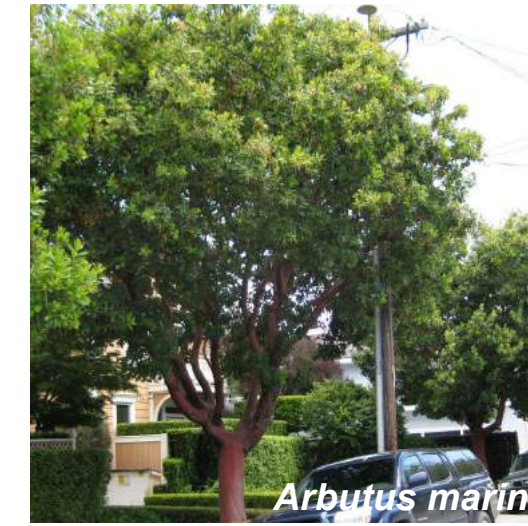


Ceanothus occidentalis



Artemisa californica

TREES AND UNDERSTORY



Arbutus marina



Ginkgo biloba



Melaleuca linariifolia



Liriodendron tulipifera



Dymondia margaritae

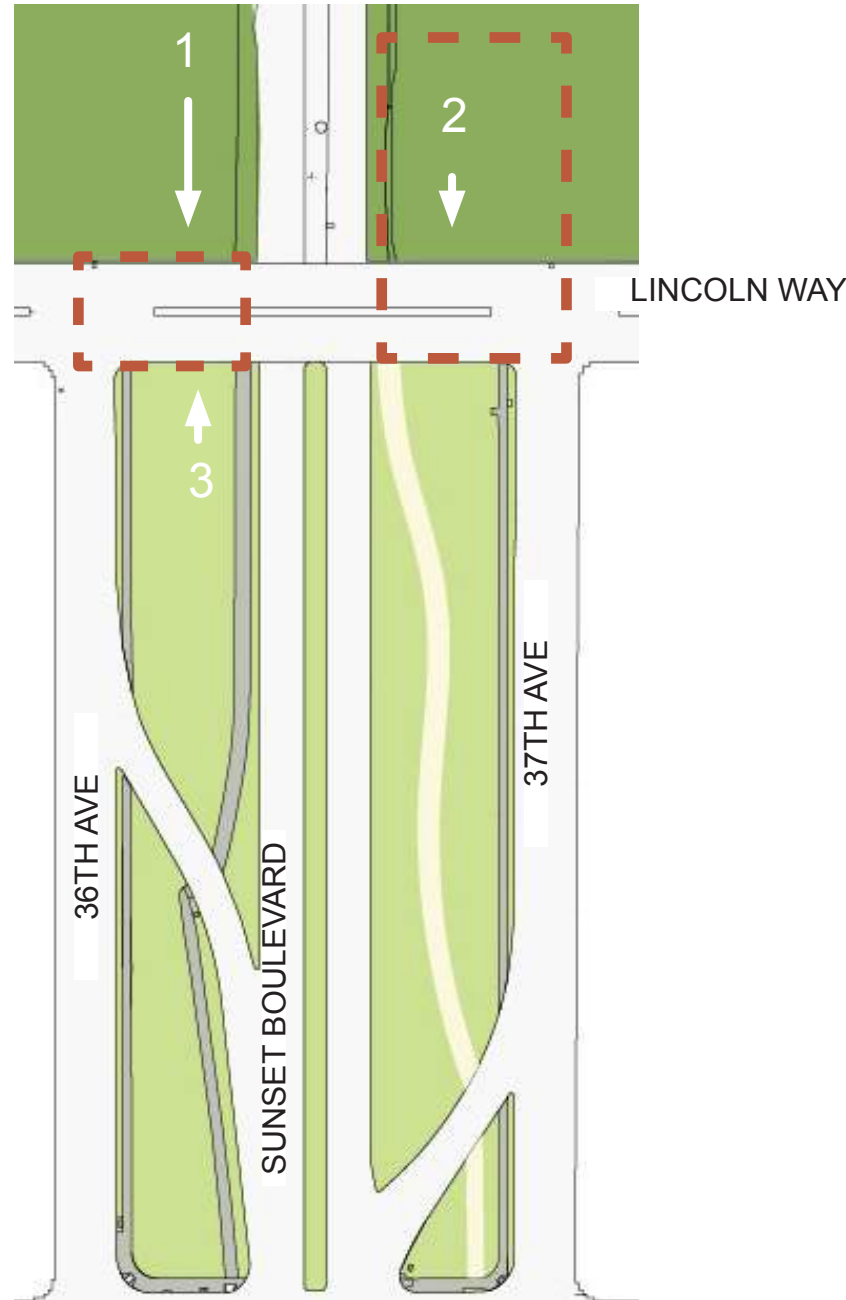


Fragaria chiloensis

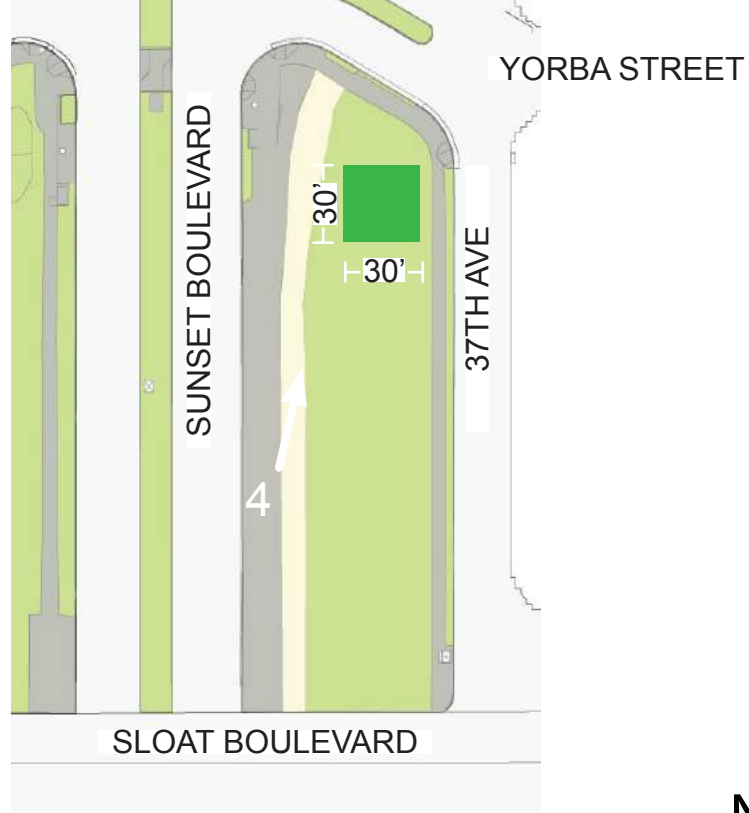
SUNSET BOULEVARD | PHASE I

MAINTENANCE STORAGE AREAS:

- IMPROVED AND ADDITIONAL MAINTENANCE SPACES



MAINTENANCE SITE: LINCOLN WAY



POTENTIAL GREENHOUSE LOCATION

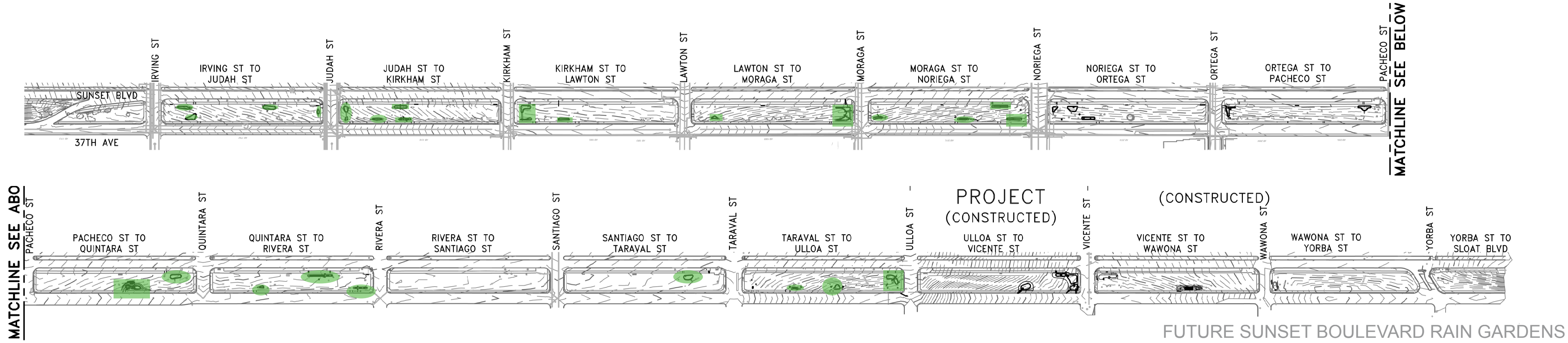


EXISTING MAINTENANCE SITE:
SLOAT BOULEVARD

SUNSET BOULEVARD | PHASE I

SUNSET BOULEVARD RAIN GARDENS :

• 25 NEW RAIN GARDENS TO BE CONSTRUCTED 2020



FUTURE SUNSET BOULEVARD RAIN GARDENS



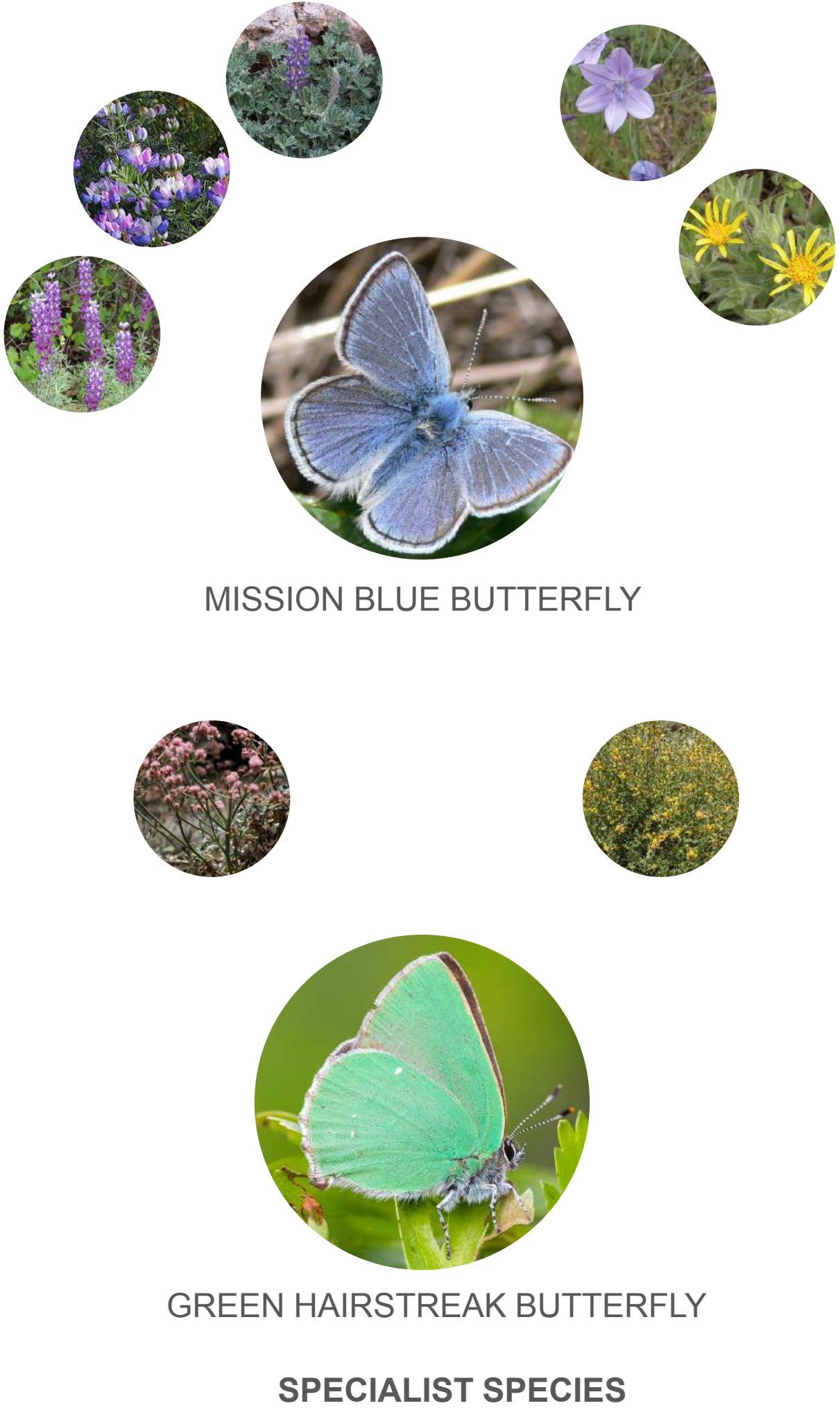
SUNSET BOULEVARD PILOT RAIN GARDENS

SUNSET BOULEVARD | PHASE I

INCREASED BIODIVERSITY

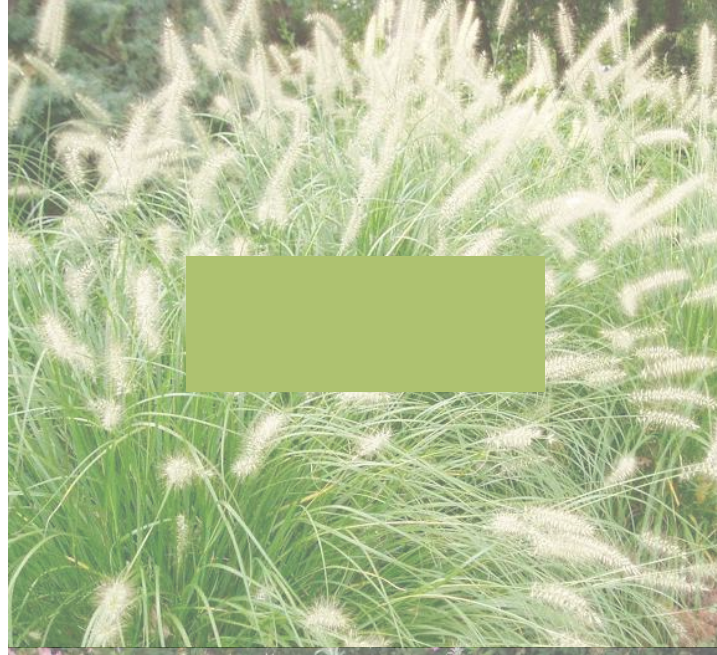


Pollinators: bee | butterfly | hummingbird | bird



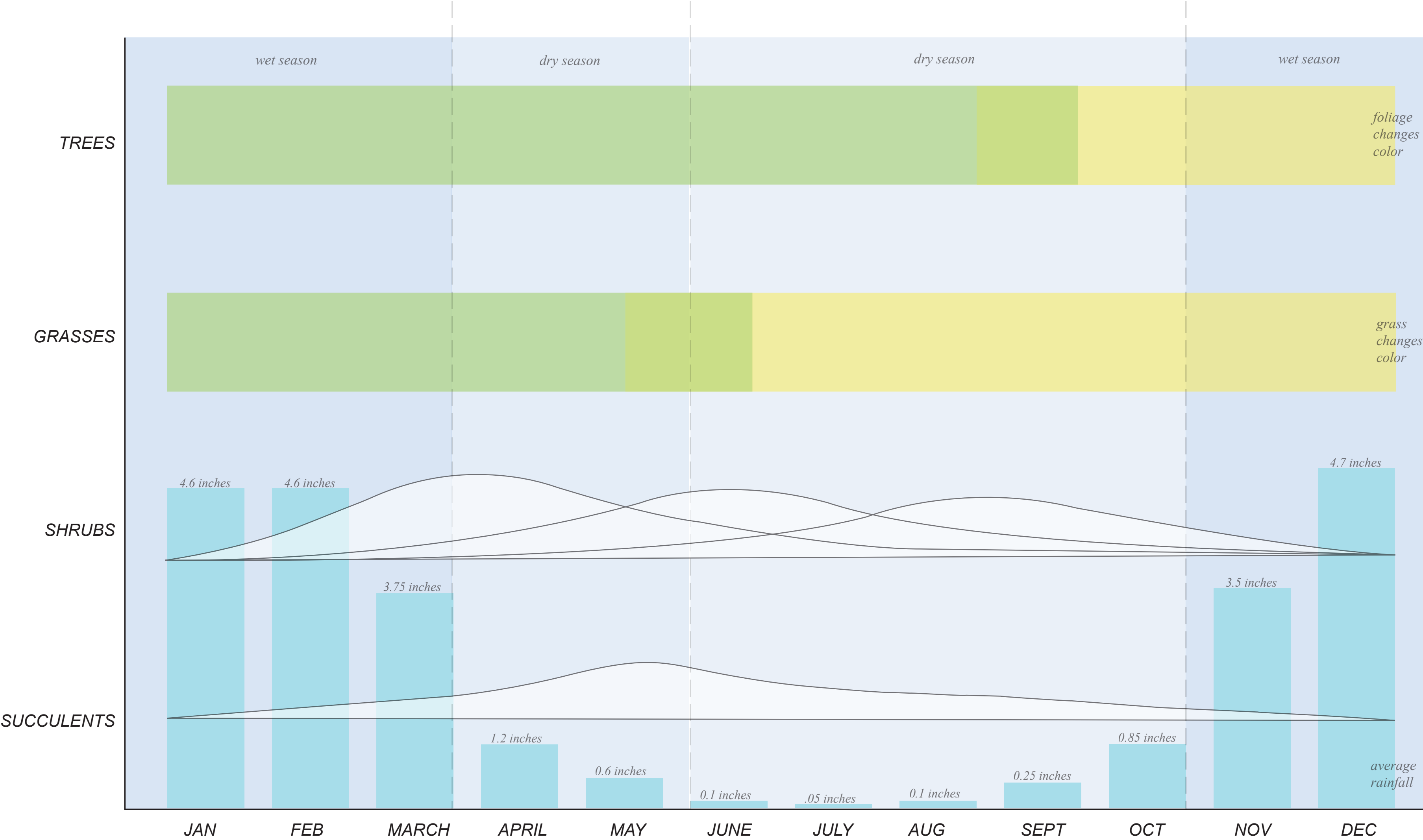
SUNSET BOULEVARD | TEXTURE & COLOR

A VARIETY OF NATIVE PLANTS SHOWCASING SEASONAL COLOR, FORM , STRUCTURE & TEXTURE



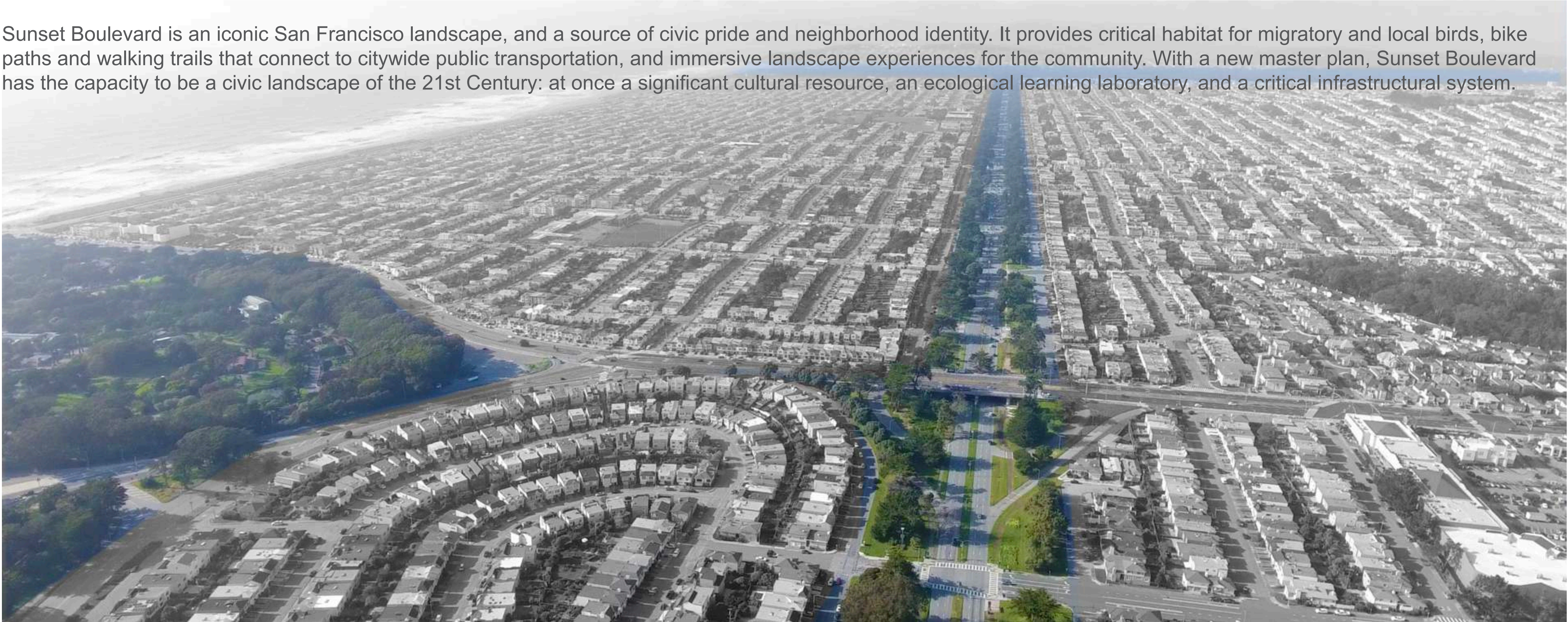
SUNSET BOULEVARD | SEASONAL BLOOMING

A VARIETY OF NATIVE PLANTS THAT BLOOM AT DIFFERENT TIMES OF THE YEAR FOR SEASONAL INTEREST & COLOR



SUNSET BOULEVARD | LEGACY AND VISION

Sunset Boulevard is an iconic San Francisco landscape, and a source of civic pride and neighborhood identity. It provides critical habitat for migratory and local birds, bike paths and walking trails that connect to citywide public transportation, and immersive landscape experiences for the community. With a new master plan, Sunset Boulevard has the capacity to be a civic landscape of the 21st Century: at once a significant cultural resource, an ecological learning laboratory, and a critical infrastructural system.



COMMUNITY ENGAGEMENT OPPORTUNITIES

Planting

- CAN! Grant trees and perennials; biodiversity hubs
- BUF/Sunset Boulevard Greenway Gardener wildflower patches

Maintenance

- Interim hand-watering
- Tree pruning (certified arborists only) and dead-heading of perennials
- Community clean-up days

Citizen Science

- Bioblitz
- Wildflower seed collection
- Ecologist-led nature walks
- Curriculum development and coordination with local schools
- Establishment of community group to support the Boulevard

Celebration

- Biodiversity Block Party

NEXT STEPS

Schedule (3) community meetings

- Provide cultural and ecological context

- Gather input on program types and locations, plant species

- Establish potential locations for community gardens

- Incorporation of community suggestions into next Master Plan

Bioblitz activity

- Engage potential community partners (SF State, Nature in the City)

Complete 100% Schematic Design Documents