

City of Santa Clara Central Park Master Plan

October 2019

AD DRAFT REPORT



**City of
Santa Clara**

Table of Contents

1. Introduction.....	7
2. Guiding Principles.....	15
3. Community Engagement	35
Years 1-5	50
Arbor Center Area.....	50
Park Entry at Kiely/Kaiser.....	54
Saratoga Creek Connector Trail (West)	56
Aquatic Center Master Plan and 50-Meter Multi-Use	
Pool (Phase 1).....	58
Years 6-10	60
Pavilion Area Renovation	61
Tennis Courts & Saratoga Creek	
Connector Trail (East)	62
Lake Renovation.....	65
Maintenance Yard	66
New Aquatic Center (Phase 2).....	67
Years 11-20	70
CRC Renovation and Gymnasium	71
Event Lawn Area.....	74
Fatjo Fields Improvements	78
Multi-Use Club House and Lawn Bowls Improvements	
79	
5. Appendices	83
A. Use Matrix	83
B. Cost Estimate	85
C. Review of Literature.....	100
D. Project Development Timeline 2016-2019.....	104
E. Central Park Preferred Plant Palette.....	106
F. Central Park Sign Concepts.....	124

Introduction

1

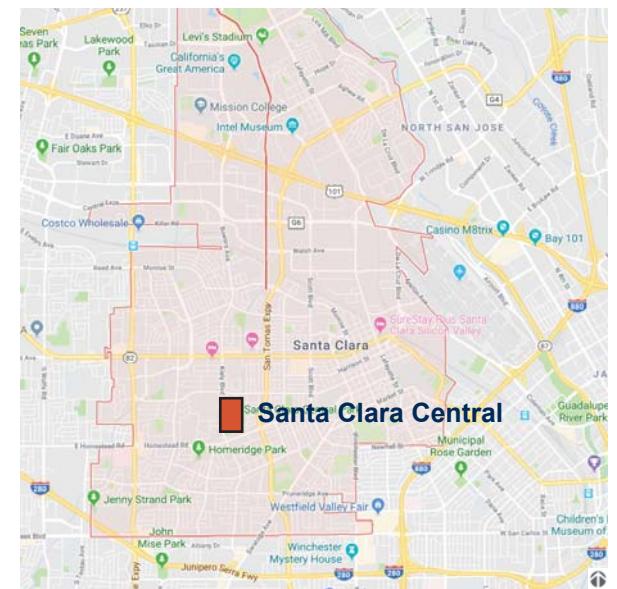


Background

The City of Santa Clara's 52-acre Central Park is the City's only "community park." Designed in the early 1960's when the City's population was under 60,000, it was built out in several phases with federal, state and local funding. Since 2000, there have been various projects proposed that would improve, enlarge, or replace various park and recreational assets and facilities in the park, including the Library, International Swim Center (ISC), Community Recreation Center (CRC), Lawn Bowls, Tennis Center, Park Maintenance Yard, Arbor Center and Playground, and a Creek Spur Trail.

By 2010, the City population had grown to over 116,000. In 2013, Council adopted a goal to enhance community sports and recreational assets, including replacement of the International Swim Center. In September 2016, after exhaustive community input, engineering, design and environmental study, the City approved a project that would co-locate the ISC with the CRC on Kiely Blvd. In 2017, a study of the community recreation and aquatics center project delivery and funding options was initiated.

The need to address improvements to a number of the recreational assets,



Location Map

1. Introduction

coupled with the community growth and evolving recreational needs, provides an opportunity to reimagine the design of Central Park through an update of the Master Plan. Gates & Associates was hired to work with the Parks & Recreation Department and community to create a coherent vision and guide for Central Park's future improvements by establishing a set of principles, community supported priorities, and appropriate professional design criteria. This Plan addresses issues such as how the City should:

- Repurpose the existing 3-acre site of the ISC
- Maximize green space within the Park
- Improve access, circulation and parking
- Design or include new park facilities and recreation elements that serve all ages, abilities and interests.
- Use guiding principles as a mutually supportive lens, to be implemented together.

Purpose of the Plan

In the City's General Plan, **Sec.5.9.1, Parks, Open Space, and Recreation Goals and Policies** states:

"Parks, open space and recreation facilities are critical in satisfying the diverse outdoor needs of Santa Clara residents and visitors, improving the physical health of the community and providing opportunities for social interaction. Open spaces should offer options for all types of activities, from passive rest areas and trails for walking or jogging, to fields and recreational facilities for organized sports. Overall, parks are an essential contributor to quality of life."

General Plan Policy 5.9.1-G1, expresses the goal of: "Ample facilities for physical activities that promote community health."

The City of Santa Clara does not now have a Master Plan for its Park system, although the General Plan calls development of such a plan prior to 2013. Central Park is the centerpiece of the City's park system and the only community park. This Master Plan solidifies the intent of the General



Plan by providing that comprehensive approach to the future vision for Central Park.

The original plan for Central Park is over 50 years old and has been expanded and revised to include new elements over time. The Kitchell Facility Assessment Reports reveal elements that may soon be lost, as they are reaching the end of their useful life. Planning for City's premier park and recreation asset must be comprehensive and integrated, with a long-range vision as well as a coherent approach to phasing improvements. As funds become available for renovating or replacing park elements, projects must be prioritized to minimize impacts of taking elements out of service.

This Master Plan is a living document, which sets out Guiding Principles for evaluating changed circumstances and new opportunities. It is a tool for decision making as circumstances evolve.

Process

The first step in the Master Plan process was to gain an understanding the

community's overarching needs and priorities for a re-imagined Central Park. The goal was to determine what are the anchors - the basic consistent elements which must be embraced in any future improvements or modifications. By clearly identifying these parameters, a cohesive vision has been developed for the incremental evolution of Central Park.

A thorough analysis of existing studies and data was undertaken, as well as a robust community input process which included:

- Hosting of community input meetings and events
- Conducting an online survey,
- Interviewing stakeholders, and
- Soliciting Commission input.

Through the engagement process, the community had opportunities to identify how they use and interact with Central Park and its elements, what functions well and what does not, and which park amenities are priorities to keep or add (see Appendix).

Through this process of engagement and analysis for the Central Park Master Plan Update, thirteen "Guiding Principles" emerged and were approved by City Council on August 28, 2018. Any future development in the Central Park will need to embrace all thirteen (13) principles and demonstrate how they are achieved.

Based on the analysis of existing conditions, studies and plans, community input, and the Guiding Principles, specific projects were identified, and organized in a phased manner that would maximize community benefit and minimize disruption to the use of this beloved park and its varied elements.

Further environmental review may be required as individual projects are developed in greater detail.

1. Introduction

Existing Conditions



This diagram is for illustrative purposes only.

Organization of Document

- Chapter 1 - Introduction/Executive Summary:

This chapter describes the Central Park Master Plan's background, purpose and process, as well as the organization of the document.

- Chapter 2 - Guiding Principles:

This chapter sets out the principles which will be used to guide decisions projects and improvements within Central Park over the next 20 years. These principles were based on extensive community engagement.

- Chapter 3 - Community Engagement:

This chapter summarizes the engagement process and the input received from the Santa Clara community regarding their vision and priorities for Central Park. More extensive recording of the input received is contained in the Appendices.

- Chapter 4 - Overall Master Plan:

This chapter illustrates the vision for Central Park, describes various projects to be undertaken over the next 20 years, and organizes them into a phased approach that considers the community's priorities, minimizes disruption to park use, and maximizes efficiencies.

- Chapter 5 - Appendices

This chapter includes use matrix, cost estimates, including the project estimate assumption, summary, and individual project estimate, literature review, historical timeline, and plant palette.



Guiding Principles

2



2. Guiding Principles

On August 28, 2018, the City Council adopted the following principles to guide City staff, project architects and engineers to help set expectations of what to emphasize, and how the park will look and function. The principles are mutually supporting to build a more cohesive Plan.

Principle # 1

Honor the legacy, history and blend of passive and active recreational uses in Central Park

Central Park is a beloved community asset. The balanced blend of passive and active recreational uses provides a shared home for the diverse needs of Santa Clara residents. During the outreach process, four iconic elements were consistently identified as important components of the Central Park legacy:

- The Lake
- The Pavilion
- The Arbor Center
- The Veterans Memorial

These icons should be preserved in the evolution of Central Park. However, iconic preservation does not mean untouchable.

- The Pavilion needs major renovations (upgrades to plumbing, sound system, drainage, sanitary sewer, site furnishings and planting) while retaining its iconic design character.
- Addressing water fowl pollution in the lake may require reconfiguration of edges, as well as a new filtration system. A new vault could be located behind the Pavilion.
- Add additional use amenities near the Pavilion and Arbor Center to maximize usability iconic elements should be integrated more fully with other park uses to enhance interaction with and appreciation of these beloved features.



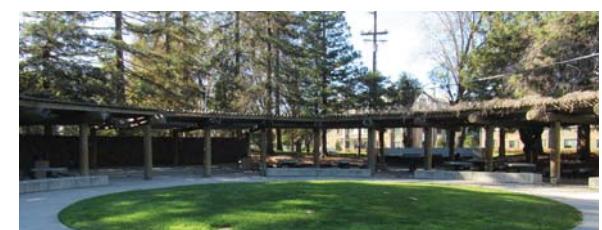
Lake



Pavilion



Veterans Memorial

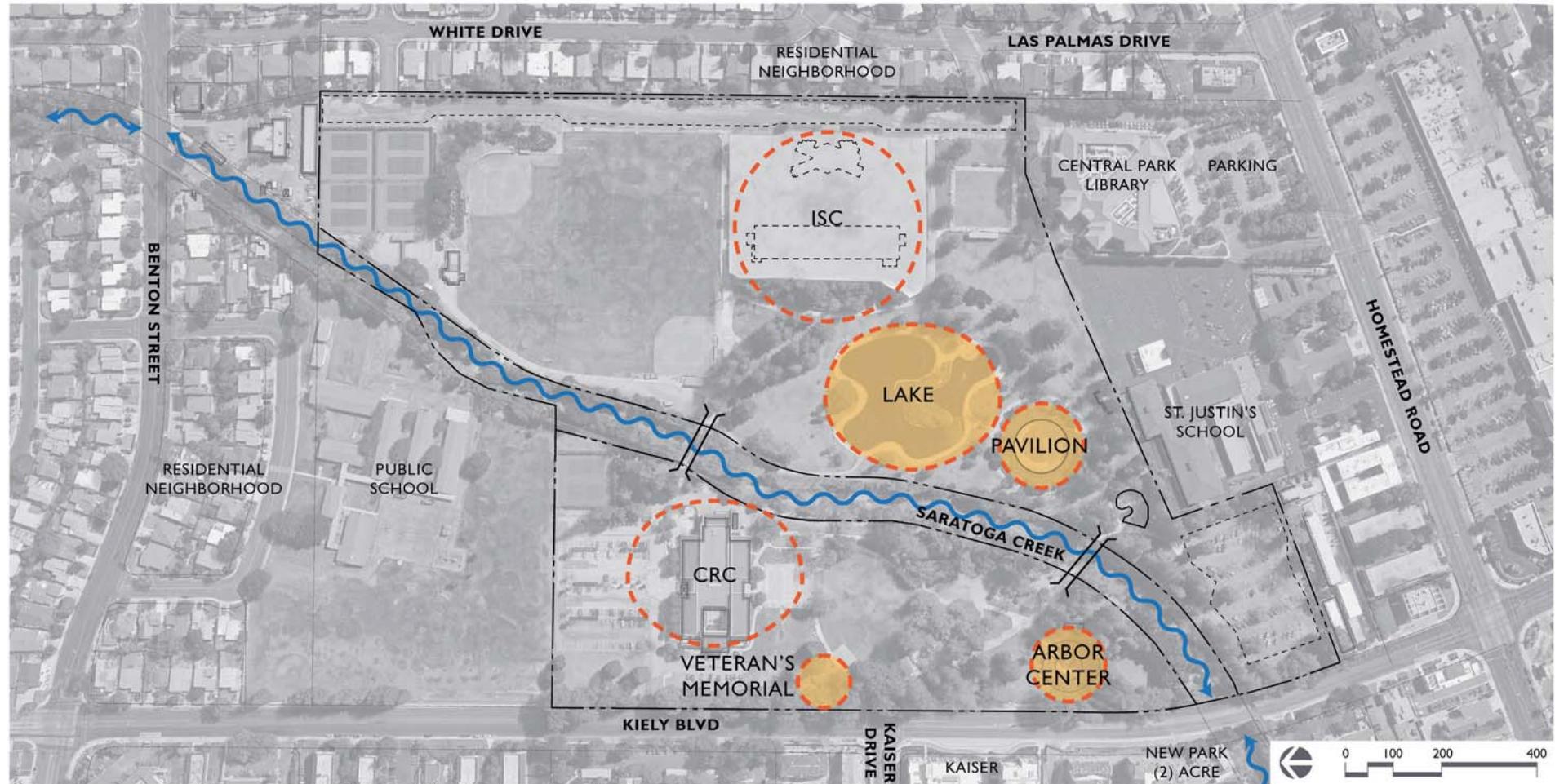


Arbor Center

2. Guiding Principles

Honor the legacy

Existing Icons



This diagram is for illustrative purposes only.

Principle #2

Provide public visibility for park amenities, trails and green open space.

This principle is codified in the City's General Plan. Its application has a special significance for Central Park. As the community has grown, the primary public interface with the park has shifted to Kiely Blvd. Central Park is integral to Santa Clara's community identity and the community impression of Central Park is strongly influenced by the views from Kiely Blvd.

Implementation

Park presence on Kiely Blvd. should reflect Santa Clara's friendly, small town character and highlight views of green open space.

The Kiely Blvd. frontage should be designed as a welcoming front door to Central Park.

Major use destinations within the Park, such as the Community Center and Swim Center, should relate to the Kiely frontage.

Retain view of trees and open space from Kiely Blvd.

Principle #3

Provide context sensitivity to local community, minimizing impacts on neighborhoods.

As the community has grown, Central Park is required to accommodate greater recreational demand and diversity of uses. Traffic and parking impact surrounding neighborhoods. The intensification of park use also has a noise impact.

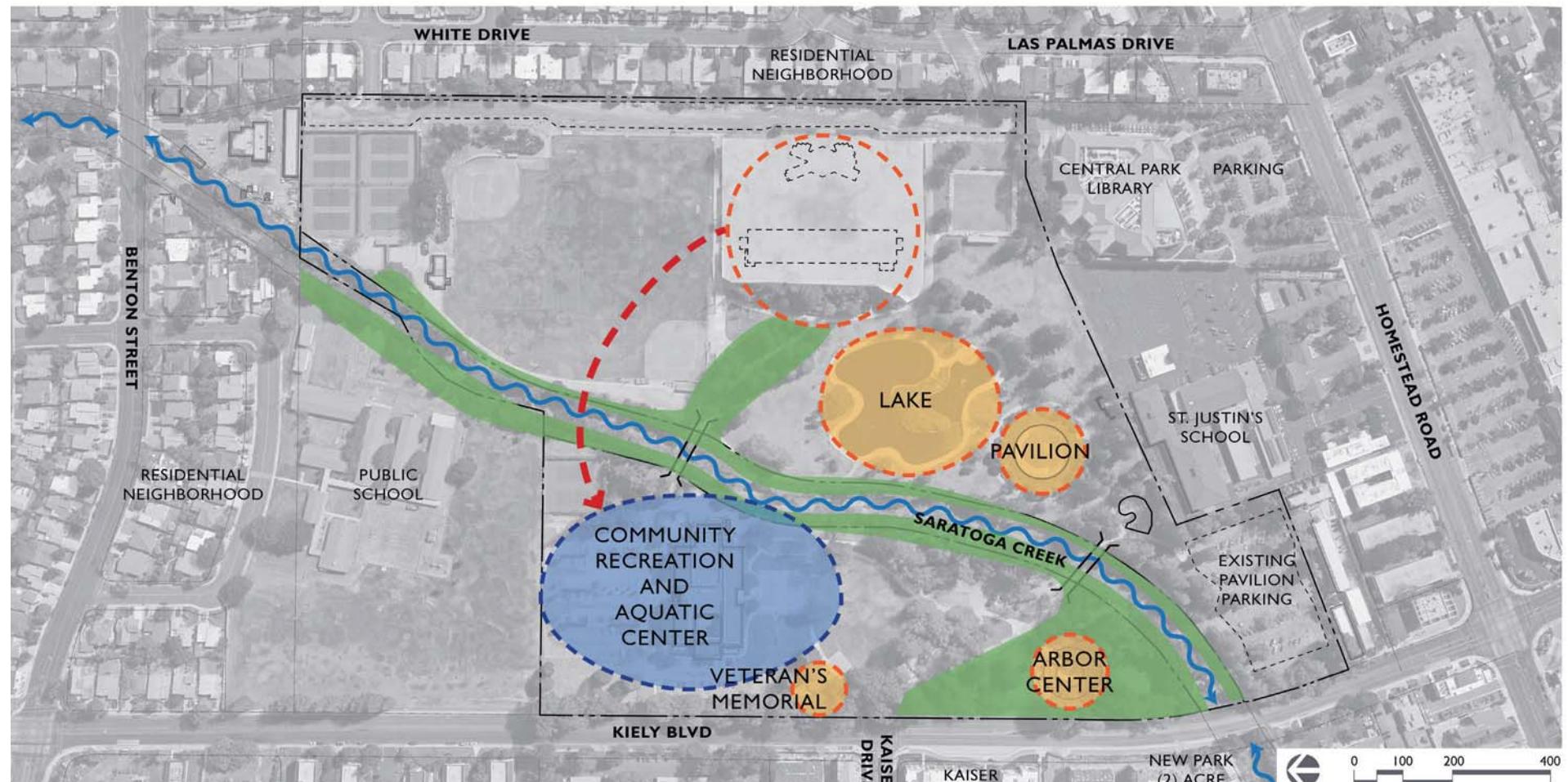
While parking is essential to accommodate the additional use, a proposal to develop above ground structured parking raised the potential for adverse impacts on neighboring residential parcels and school safety.

Implementation

- Mitigate potential traffic parking and noise impacts on adjacent uses. Where possible locate traffic generating uses away from residents.
- Provide additional on-site parking to accommodate users.
- Provide buffers and transitions to separate high intensity uses from residential neighbors.
- Consider scale and height relationships to adjacent properties when locating structures.
- Parking areas should be designed to visually blend with the setting.

2. Guiding Principles

Provide Public Visibility; Protect Neighborhood; Preserve Green Space



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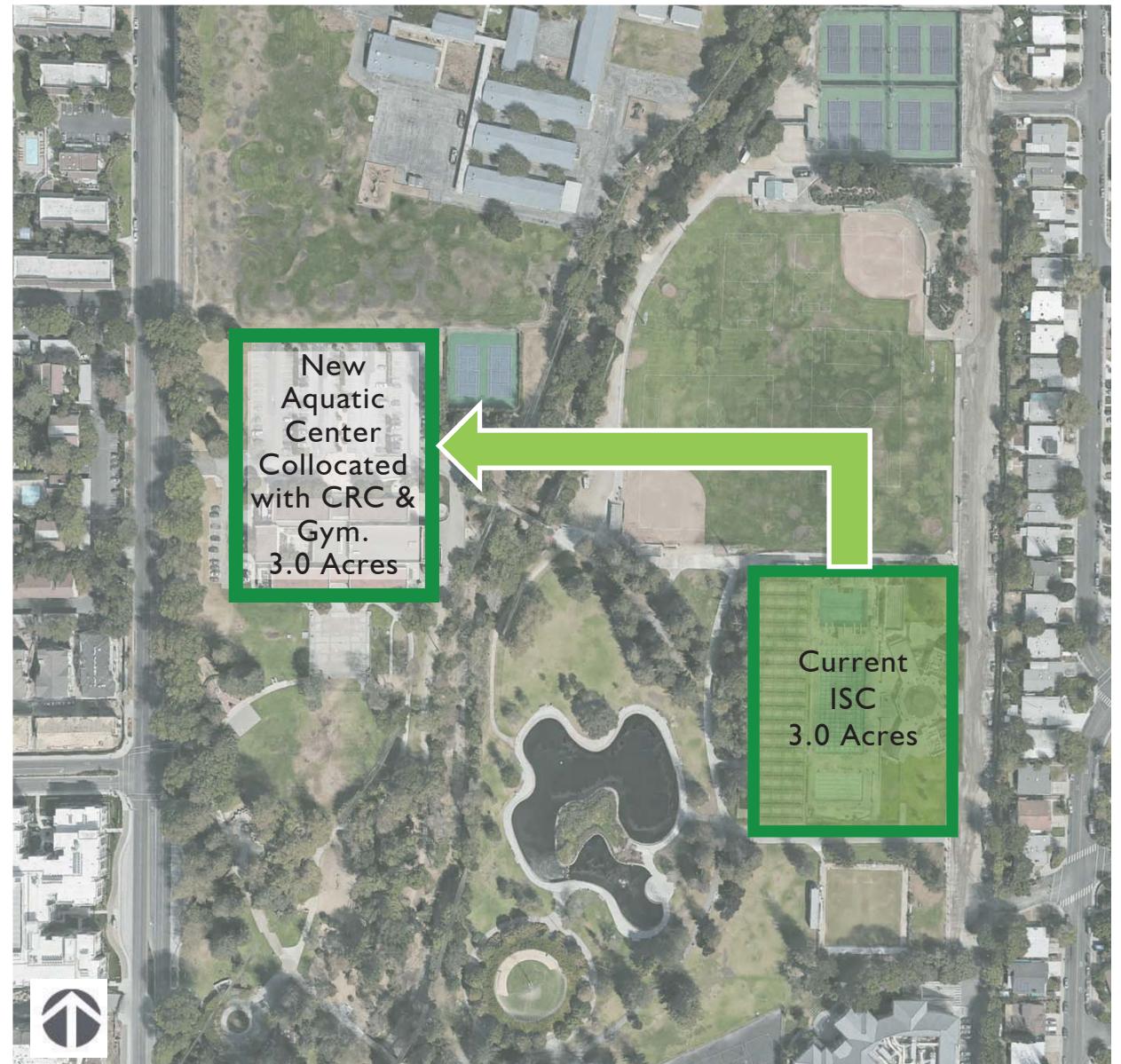
Principle # 4

Preserve Green Space.

As Santa Clara has developed, there is an increasing demand and limited land to meet the community's recreation needs. Access to green space has become a high priority for the community.

Implementation

- Maximize green space by consolidating and stacking uses.
- If green space is impacted to accommodate new or renovated facilities, it should be recaptured at another location within the park.
- As opportunities occur, consider acquiring adjacent parcels to enlarge Central Park.



2. Guiding Principles

Principle # 5

Provide connectivity with adjacent uses and accessibility for the greater community.

Integration of Central Park with the urban fabric (built environment), and other parks in the City's system promotes park use, and allows for extended park experiences, age friendly access, and mutual benefits.

whole.

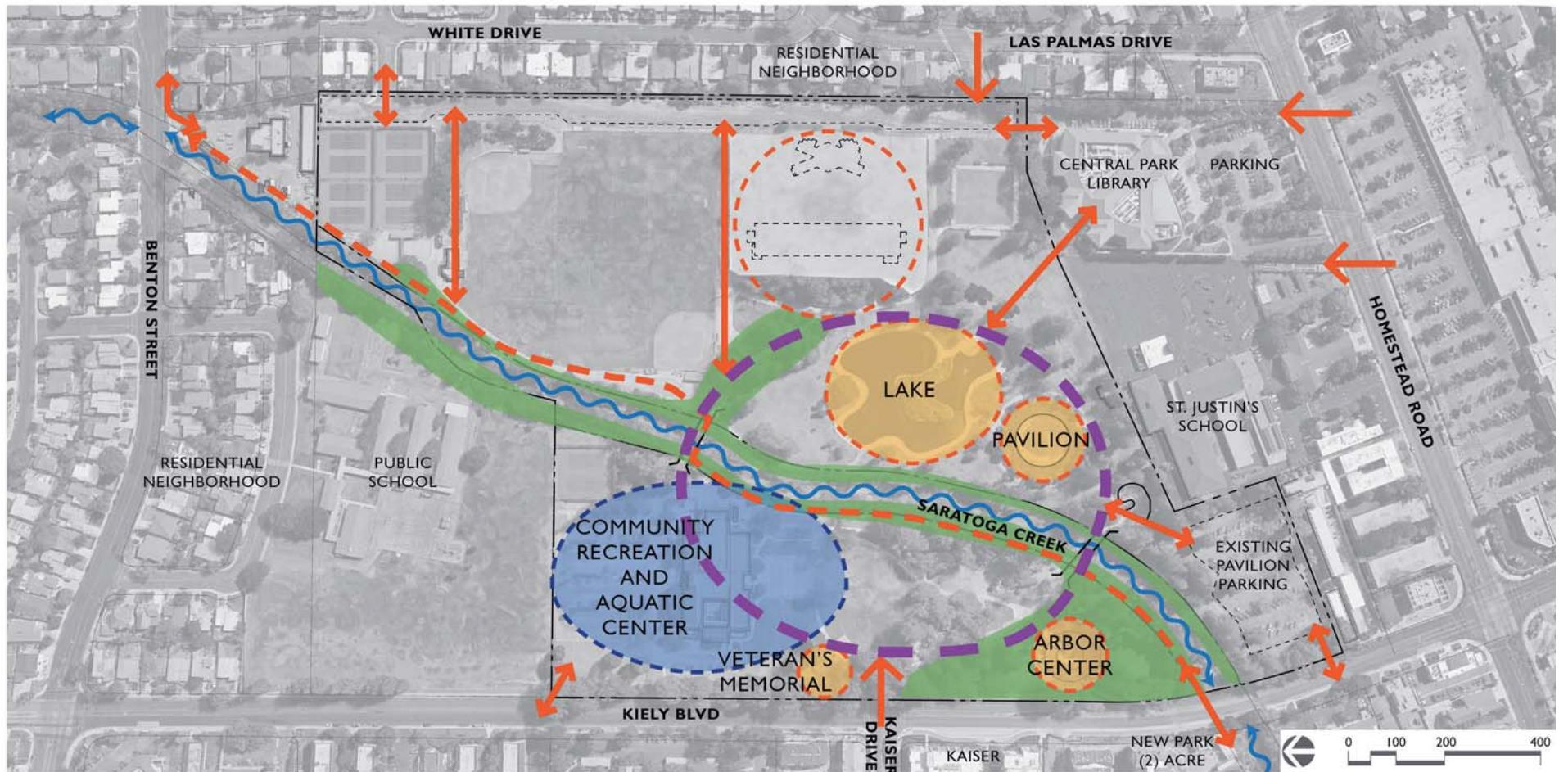
- Utilizing a creek side trail as the central spine, to link to the bicycle and pedestrian circulation network in the greater community.
- Creating a bike/pedestrian friendly environment, including paths wide enough to support pedestrians walking in groups, shaded paths with adequate seating and way-finding, and convenient connections to transit stops.



Implementation

- Opportunities for enhancing connectivity within Central Park and the greater community include:
- Aligning the Park's major auto entry with the Kiely Blvd. / Kaiser Drive intersection.
- Providing a strong pedestrian connector between the Library and the Park.
- Creating a circulation system that links the various uses into a greater

Provide Connectivity & Enhance Accessibility



This diagram is for illustrative purposes only.

Existing and potential access points and connectivity.

2. Guiding Principles

Connectivity & Access (conceptual design for discussion and illustration only)



Principles employed:
Create Community

Increase Visibility
Provide Connectivity

Preserve Green Space
Increase Service Level

Principle # 6

Create community and “sense of place” by re-imagining the public event spaces and reinvesting in Central Park as the heart of the community.

The City of Santa Clara has hosted workshops recognizing the value of place-making to “build community.” Central Park should not be a collection of disparate recreational uses, but a place that fosters social engagement and cultural unity. Many members of the community perceive single use facilities in the park (Lawn Bowls Green, Swim Center) as “private.” Youth and teen focus groups identified that the park feels “dead” and desired new, imaginative, photographable, social spaces and experiential destinations in the park.

Implementation

- The design of the park as a whole, and its component parts, should support

community wide festivals and other special events.

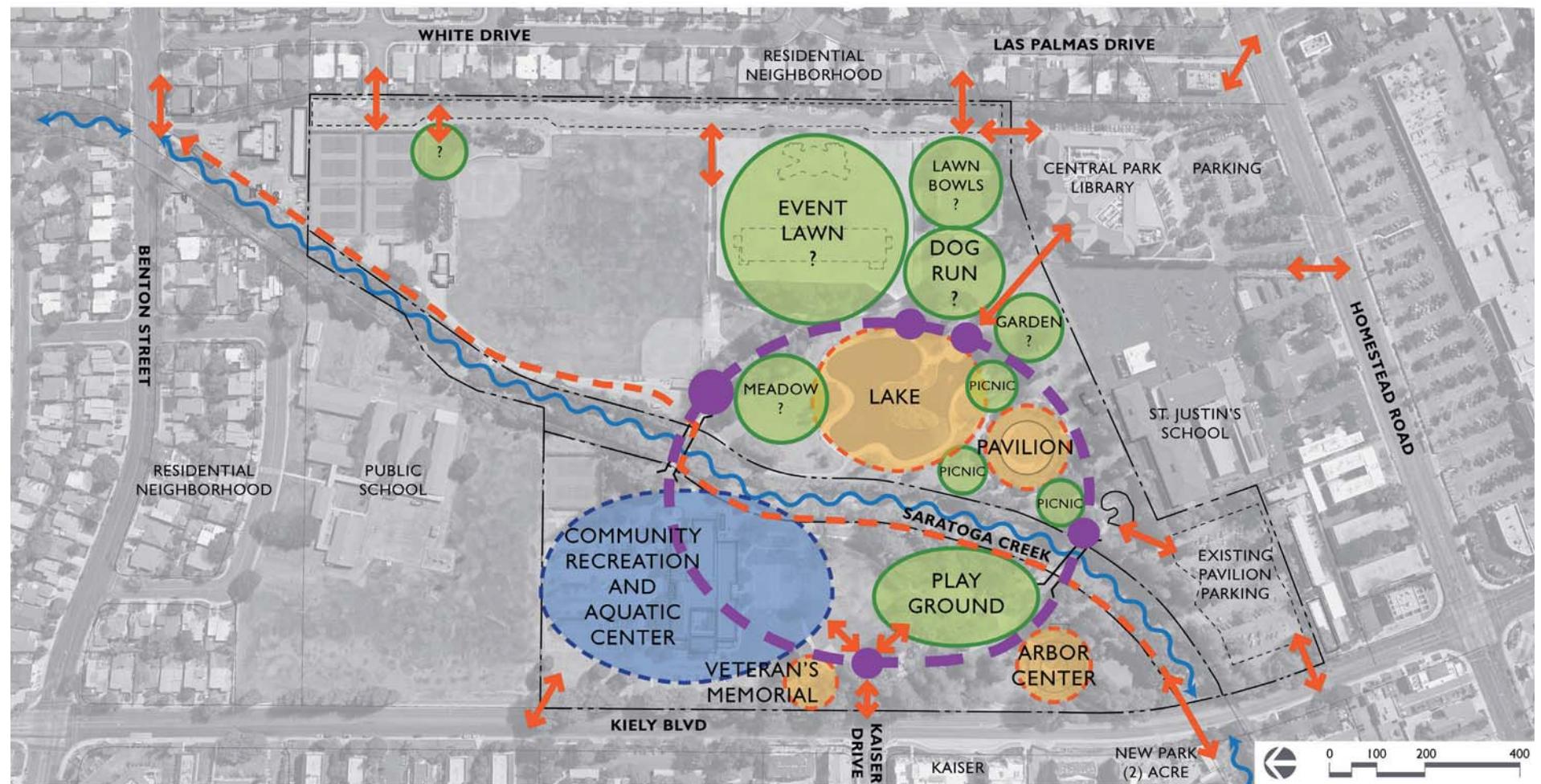
- Cluster and consolidate uses to create social vitality.
- Provide attractive, welcoming gathering spaces and seating for casual observers adjacent to activities.
- Provide park spaces which accommodate special uses that encourage gathering and enhanced multi-sensory experiences: visual, auditory, smell, touch, taste (food carts/concession plazas, edible plantings, interactive artistic features).
- Consolidate and enhance event spaces to continue to provide and support high quality programs (concerts, festivals, civic events, sports, new venues).
- Re-purpose the existing ISC site as an outdoor temporary event space (with supporting facilities), with secondary use as informal, open lawn. Consider a green buffer, decorative/functional

sound wall, planted berm(s) or other element to mitigate sound travel to adjacent neighborhood.

- Provide infrastructure for outdoor events – stage & backstage areas, storage, power, additional restrooms, parking.

2. Guiding Principles

Create Community & “Sense of Place”
Enhance Social Vitality



This diagram is for illustrative purposes only.

Create Community & Sense of Place; Enhance Social Vitality (conceptual design for discussion and illustration only)



2. Guiding Principles

Principle # 7

Increase Park Capacity to accommodate a growing population – serve more people in the same space.

New facilities should be multi-functional for a range of users. The existing parking area is inadequate. During large events, temporary parking is located on fields, but this has adverse impacts on the fields.

Implementation

- Future improvements should be designed to be used by multiple groups throughout the day and evenings. (Example: multi-clubhouse can provide meeting space to serve lawn bowls, bocce, other senior clubs, and restrooms for events).
- Use areas under bleacher seating to accommodate storage areas, concessions, maintenance and/

or public gathering space. Tennis facilities could be reconfigured with tennis above and parking below, adjacent to bleachers for the ballfield.

- Increased park use capacity requires additional parking. Parking should not displace park users nor impact neighbors. Consider structured parking under buildings or rooftop recreational uses (tennis basketball, etc.) to increase park capacity.
- Distribute parking and drop off zones to provide convenient access to all park areas and facilities.

Rooftop Amenities



Tennis Court



Community Garden

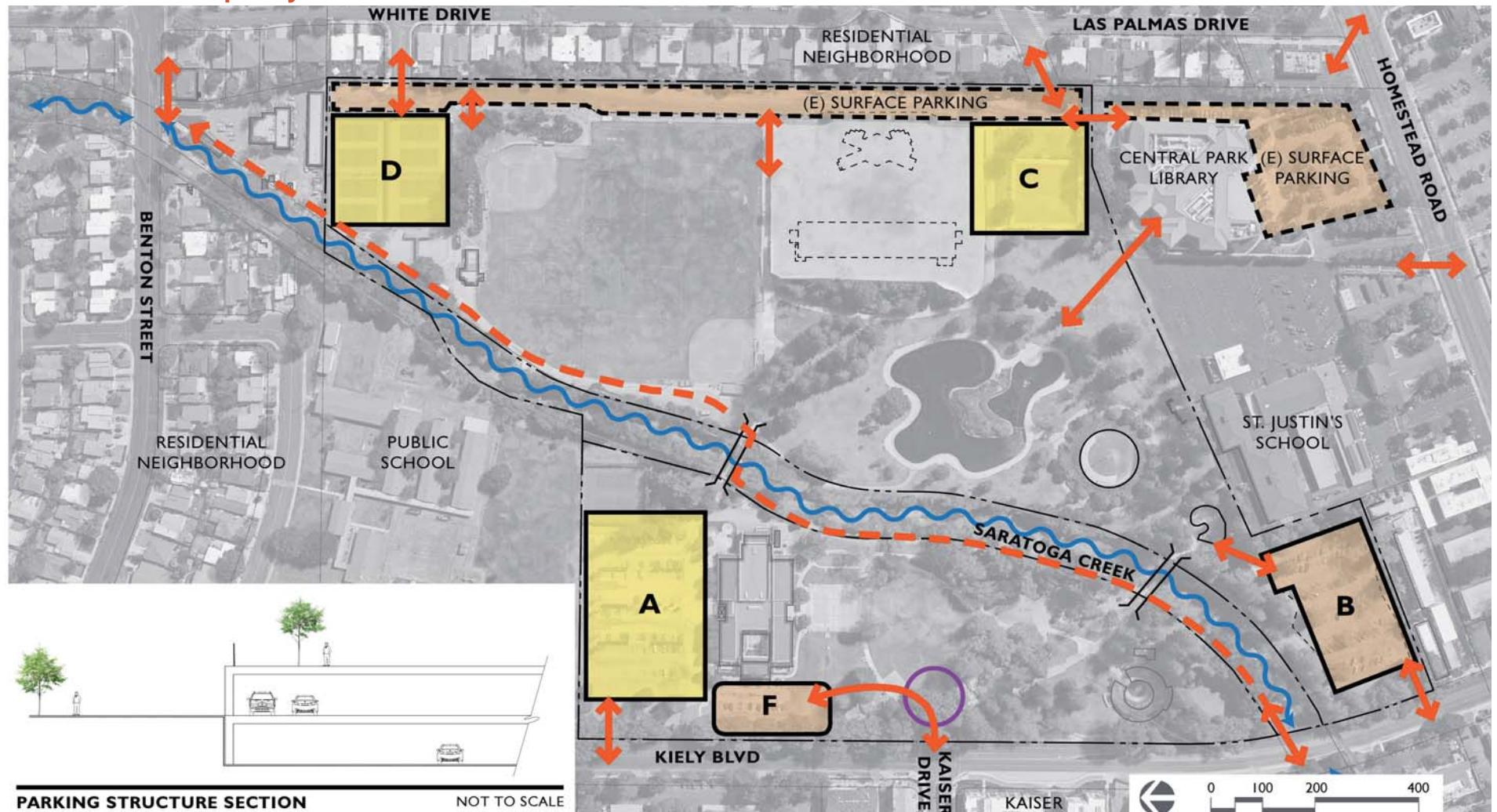


Dog Run



Climbing Wall

Increase Park Capacity



This diagram is for illustrative purposes only.

Principles employed:

Connectivity & Access, Sense of Place, Preserve Green Space, Honor Legacy, Increase park capacity and efficient use of space through stacked and surface parking adequately sized, conveniently located.

Revised September, 2019

2. Guiding Principles

Principle # 8

Use principles of inclusive design to welcome visitors of all abilities.

Renovation of the Arbor Center play area is a priority for the community. Playground amenities and play elements should be designed to welcome users of all ages and abilities.

Implementation

- Provide facilities that afford varying levels of difficulty and engage differing abilities (beginner, intermediate, advanced), including sports facilities, fitness elements and open fields for unstructured play.
- Provide a comfortable environment for parents to supervise and socialize with children in multigenerational play.
- Provide convenient, comfortable amenities, such as seating, drinking fountains, restrooms, shade areas,

and trash receptacles to encourage use.

- Provide a consolidated, unique play environment that implements research based Elements of Play (swinging, climbing, sliding, spinning, brachiating, balance, running/free play).
- Address developmental needs (sensory, motor, cognitive, social), potentially incorporating water play.



Principle # 9

Promote community health and wellness by providing age-friendly opportunities for intergenerational social and cultural exchange, and offer something for everyone.

Retain existing uses while providing additional activities to meet evolving community recreational needs. The community identified the following amenities as desired additions to the park:

- Water/adventure play
- Off leash dog area
- Adult fitness
- Event space
- More shade/trees
- Outdoor lounging
- Bike and walking trail
- Pollinator garden area
- Implementation

- Prioritize improvements to the play areas, restrooms, pathways and picnic areas so that they are accessible to all ages.
- Provide uses and activities that draw a diverse population throughout the day and seasons of the year.
- Provide places for relaxation and meditation, opportunities to observe other people, and viewing of green space, water and wildlife habitat, to promote mental health.
- The park should feel safe. Park use extends beyond daylight hours. Provide adequate lighting along pathways.
- Incorporate CPTED (Crime Prevention Through Environmental Design) principles (e.g. easy surveillance – avoidance of tall hedges, blind areas, etc.).



2. Guiding Principles

Principle # 10

Support the City's sustainability goals.

The community places a high value on an efficiently operated and well-maintained park system.

Implementation

- Future improvements should incorporate both passive and active best practices for sustainable design, materials, operations and maintenance.
- Life cycle costs of proposed facilities and individual assets should be evaluated and long term benefits understood.
- Major paths should be 10' – 12' wide to accommodate maintenance vehicles.
- Add storage areas in conjunction with tennis / parking structure or bleachers for ballfield.

bleachers for ballfield.

- Landscape systems should be designed to maximize water efficiency with minimal maintenance effort.

Principle # 11

Integrate and enhance, where feasible, the natural habitat with the built environment.

As Santa Clara has developed, the opportunities to interact with nature have been reduced. The park's urban forest and creek corridor serve as wildlife habitat and are important natural resources for Santa Clara residents.

Implementation

- Consider converting remnant lawn areas not utilized for park activities, to other types of planting which provide higher habitat value.
- Protect mature trees and implement succession planting to ensure that a healthy tree canopy is maintained.

- Integrate Saratoga Creek with park uses. Protect creek habitat while providing views into the creek, by locating compatible uses along the creek corridor.
- Provide interpretive exhibits to highlight sustainable systems.

Stormwater Management

How do plants and soil clean water?
Bio-retention areas have special soil mixes and plants that help clean the water. Water percolates through a combination of soil, gravel, and sand, which removes larger impurities. Plants in these areas absorb pollutants from the stormwater, and tiny organisms which make their homes in the roots collect pollutants and convert them into less harmful substances.

Rainwater that falls in urban areas, like parking lots, often picks up oil and pollutants on its way to a storm drain. This water is called urban runoff. To address this problem, this park includes a stormwater treatment area to intercept runoff and filter out pollutants. It treats the storm water and ultimately, the San Francisco Bay.

 City of Santa Clara

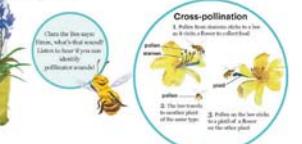


Garden Pollinators



 City of Santa Clara

Garden pollinators are important for plant reproduction. Although a plant may produce both pollen and a pistil, in order to create new seeds it needs help to move the pollen to the pistil. That is where our pollinators, birds, butterflies, bees and other insects come in. Without pollinators plants would die. Because plants are human sources of food and oxygen, it is important to create and support habitats for butterflies, bees, birds, and other pollinators.



Principle # 12

Use research based best practices to approach park design and assess community recreation benefits (provide measurable/desired outcomes).

Santa Clara has adopted a number of practices to ensure provision of high quality recreation amenities.

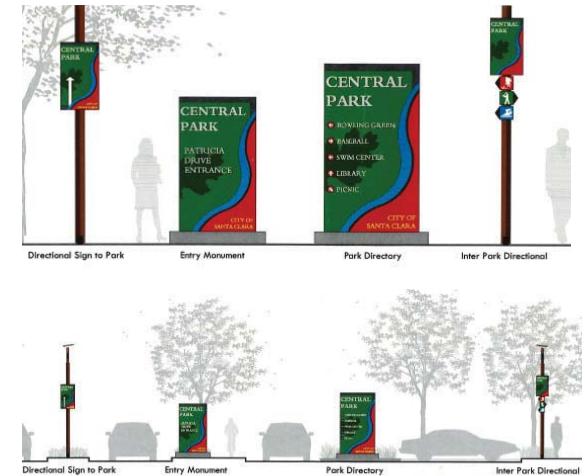
Implementation

- Develop a thematic palette of site furnishings which unify the park.
- Develop a distinctive, consistent wayfinding system.
- Provide safe connection/access to trails, all site amenities and adjacent streets.
- Standardize equipment, where appropriate, to facilitate maintenance.
- Design for future facilities should be based on an understanding of state

of the art needs. For example event facilities should incorporate power loads, temporary parking, back of house needs, Wi-Fi communication and security.

- Create an overall site lighting concept and vocabulary to provide a safe, consistent system which encourages use.
- The new playground should be designed to qualify for certification as a Playcore National Demonstration Site.
- The architectural design style for future buildings and facilities shall take into account the setting and the character of Central Park.

Park design should comply with City's Park Amenity & Design standards.



Wayfinding Signage Concept Option 1
Prepared by Verde Design, 2013



Wayfinding Signage Concept Option 3
Prepared by Verde Design, 2013

2. Guiding Principles

Principle # 13

Proactively integrate public safety and security considerations into the design.

Central Park hosts numerous high profile special events. The design should seamlessly accommodate Public Safety (Fire, Police, Emergency Services) needs for access, safety, and event management. Aesthetically appropriate treatments to address these needs might include vegetated berms, boulders, and retractable bollards. Use of the park and its facilities for declared City Emergencies to support Care and Shelter functions should be integrated into the design (CPOD, shelter, evacuation, etc.). In addition, any required off-site improvements such as upgrades to streets, signalization, spaces for illuminated/portable message boards, event wayfinding, traffic calming measures, and necessary utility services should be proactively considered and addressed during any project design process.



Community Engagement

3



Purpose

The purpose of Community Engagement was to build consensus for a vision for the Master Plan of Santa Clara Central Park.

Engagement Goals

- Ensure community awareness of the project
- Reflect “Center of What is Possible” City Values
- Provide information, education and communication regarding project
- Offer a range of communication and engagement tools to facilitate input

- Obtain community consensus to support and prioritize the plan
- Build partnerships for implementation and stewardship of improvements

Target Audiences

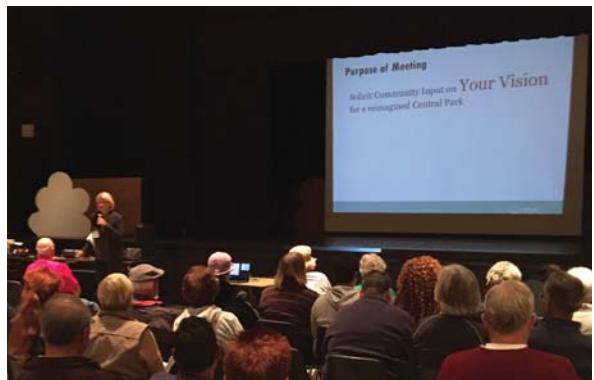
- Community At Large
- Children, Youth, Teens, Senior (Age-Friendly)



3. Community Engagement



Several methods of garnering input were used to assess community needs for Santa Clara's Central Park. These included: Community Workshops, Pop-up Booths at local events, an Online Survey, Teen Focus Group and Interviews with City Staff and Key Stakeholder Group. Through these input methods, over 1,350 community members provided input for the Central Park Master Plan.



Community Workshops and Pop-up Booths

During the Community workshops participants visited graphic "stations" where participants could write comments, or express preferences by voting with dots. Participants were given a limited number of dots with which to express their top preferences and priorities. Adults and Children were given different size dots so they could be tallied separately.

Boards facilitated Community Members to share:



- How do you currently use Central Park?
- What Works?/What Doesn't Work?
- What Do We Want to add/include?
- Any other Ideas they have for their park

"Dots" represent images/ideas they "like"; write in comments reflect what they dislike/like and an explanation of why.

Focus Groups and Stakeholder Interviews

In order to further explore and clarify the needs and desires of specific user groups, a series of focus groups were held. The groups included stakeholders involved in the tennis club, lawn bowl, Youth Commission, Park Facility Operations Staff and a Veteran's Memorial Representative.

2017 OCT 18th	2017 OCT 20th	2017 NOV 21st	2017 DEC 1st	2018 MAR 20th	2018 MAY 8th	2019 APR 30th
Community Workshop	Sunset Cinema Open House Booth	Park + Recreation Meeting	Tree Lighting Open House Booth	Park + Recreation Commission Meeting	City Council Meeting	Community Workshop #2

Online Survey

As a compliment to the data collected during the in person engagement events, an online survey asked the same questions to capture answers from additional community members.

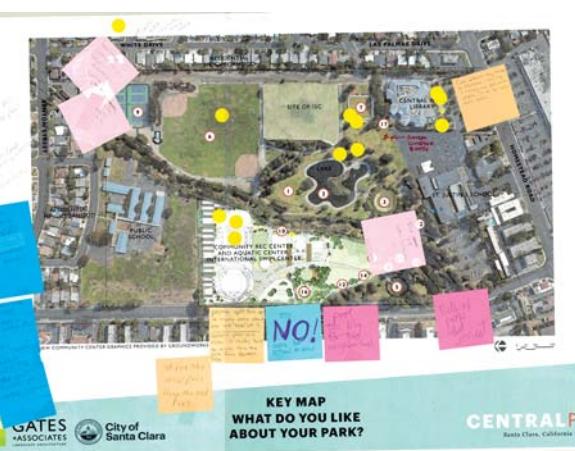
Beginning November 29, 2017 to January 2, 2018, six hundred and nine (609) participated in an online survey.

Notification Methods

- Direct mail formal letter/flyer to parcels/residents within 1000 feet of the park site
- Public notice posted on "a-frames" at the Park site
- Direct mail and/or email to existing user groups and permitted groups
- E-notify to persons whom have opted "in" on park and recreation related programs, services, issues
- Social media, City Website (listings on various pages: meetings, Parks & Recreation Park Projects Page, etc.)

3. Community Engagement

WELCOME sign in	10 MIN	today's agenda GATES ASSOCIATES
PRESENTATION project overview	15 MIN	
STATION ACTIVITY what does & doesn't work what do we want to add?	60 MIN	
SUMMARY station report out	30 MIN	
NEXT STEPS ways to stay involved	5 MIN	



Community Meeting #1

Date: October 18, 2017

7:00-9:00 p.m.

Location: Community Recreation Center

Attendance: 60+ people

Pop Up Booth #1

Date: Friday October 20, 2017

7:00-9:00 p.m.

Prior to Cinema Night

Location: Central Park Library

Attendance: 60+ people

Youth Commission Meeting

Date: Friday October 20, 2017

8:00-9:00 p.m.

During Cinema Night

Location: Central Park Library

Attendance: 6 Youth Commission

Open House Pop-Up Booth #2

Date: Saturday December 1, 2017

7:00-9:00 p.m.

During Tree Lighting Event

Location: Central Park Library

Attendance: 600+ people

Total Number of Adult Participants: 520+

Total Number of Kid Participants: 230+

Total Number of Adult Votes: 2952

Total Number of Kid Votes: 1082



Summary of Questions asked at all Four Events:

What Do You Like About Your Park?

Top 3 Combined:

- Multi-Purpose Event Meadow
- Lake
- Pavilion

Top 3 Adults:

- Multi-Purpose Event Meadow
- Lake
- Pavilion

Top 3 Kids:

- Play Area 5-12
- Multi-Purpose Event Meadow
- Pavilion

What Do You Want To See In Your Park?

Top 3 Combined:

- Water Play
- Adventure Play
- Outdoor Lounge

Top 3 Adults:

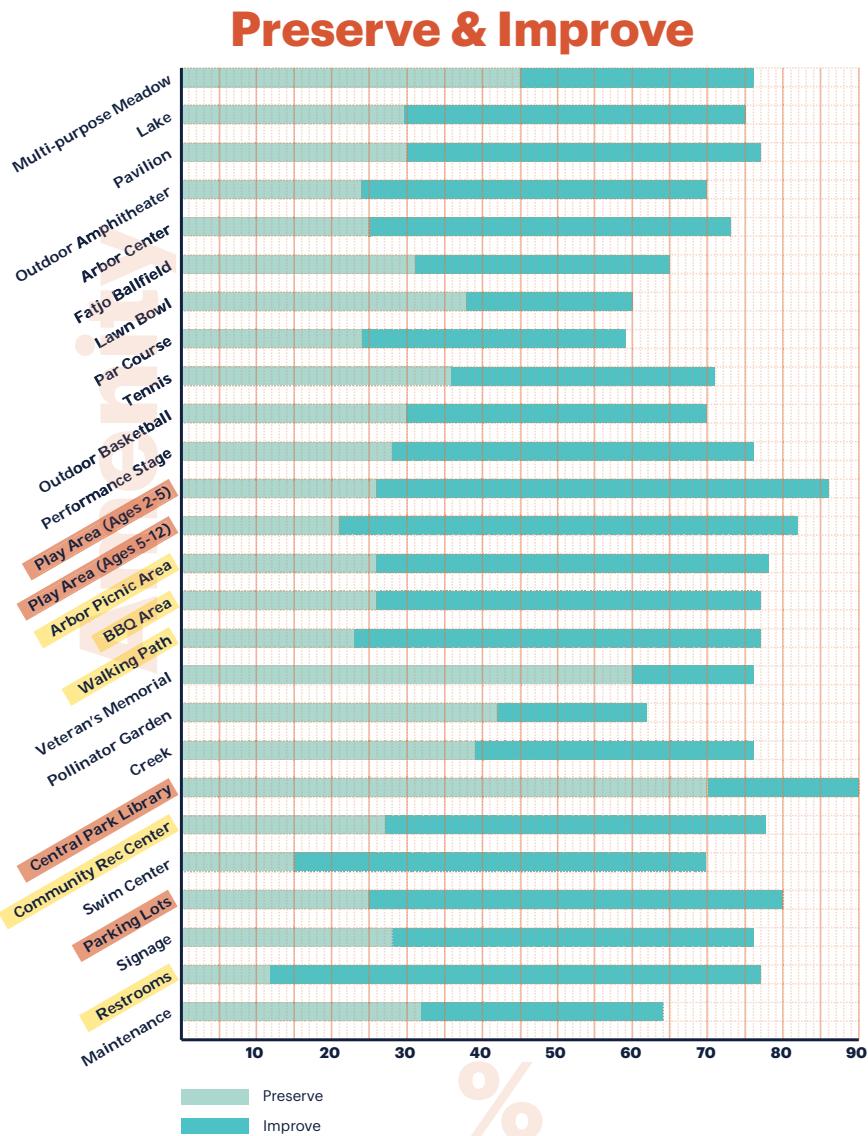
- Water Play
- Adventure Play
- Passive Garden

Top 3 Kids:

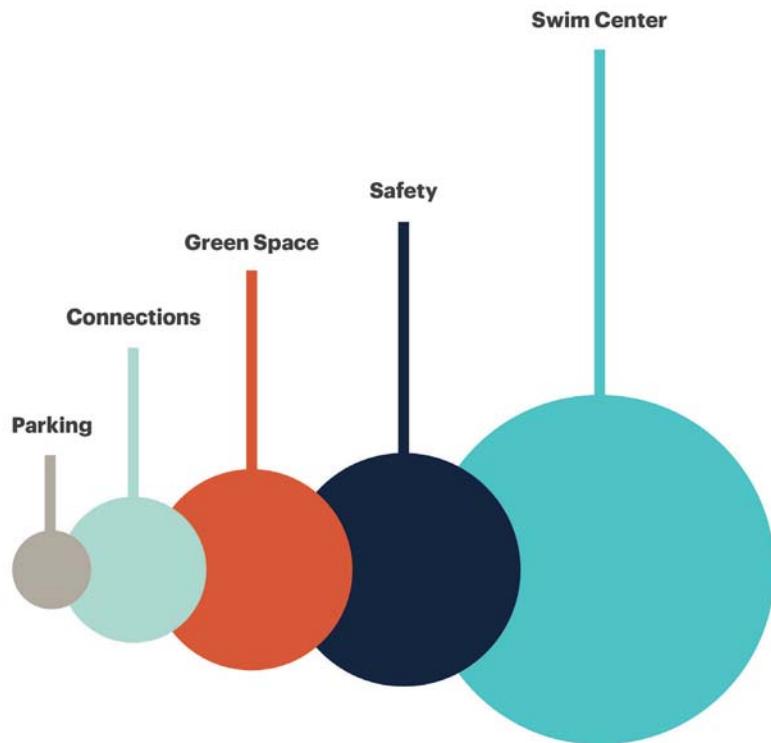
- Adventure Play
- Water Play
- Pump Track

3. Community Engagement

Results from the four events regarding existing amenities and additional comments



Other...
Write In Comments Naturally
Grouped in the Following
Categories



Overall Master Plan

4



Overview

The Central Park Master Plan presents a vision for the reimagining of the City's premier community park. The vision, which will be implemented over the next 20 years, is comprised of integrated elements that will maintain the character of the park while expanding capacity, improving circulation and access, preserving green space, minimizing impacts to the surrounding neighborhood, and enhancing Central Park's role as the heart of the community.

This chapter presents the overall vision and describes the distinct projects

that comprise the vision. Each project, whether renovation, preservation, or new construction, is described, along with the projected time frame for implementing the project and estimated cost.

Use Matrix: Prioritization criteria were used to determine the phasing of projects, which is documented in the Use Matrix in the Appendices. This Master Plan is a living document, and the prioritization criteria will serve as a decision making guide to evaluate changing circumstances and new opportunities.



4. Overall Master Plan

MASTER PLAN VISION



Figure 4-1 Master Plan Vision

General Considerations:

While individual projects are described in the following sections, there are also considerations that apply generally to the park as a whole. Every project will address common elements, including meeting current codes and standards, and upgrade of utilities as necessary, improved lighting and signage, as appropriate. Projects involving over 10,000 in impervious surface will need to incorporate stormwater management per C3 requirements.

Maintenance needs must also be considered, including movement of maintenance vehicles through the park. Primary pathways must be constructed with adequate widths and appropriate materials to accommodate maintenance vehicles.

CEQA review may be required for individual projects as they are developed in further detail.

Phasing Priorities:

The implementation of the re-imagined vision for Central Park will occur over many years. Projects generally will be in four (4) categories:

Renovations – Limited to renovation of an existing amenity which has reached the end of its life expectancy or to meet current codes.

Expansion – In conjunction with renovation; additional modification which will enhance the capacity of an amenity.

New – A new amenity which adds a use and thus increases the capacity of the park.

Relocate – An existing use that will be moved to another site or a use that will be absorbed into another amenity within the park.

The improvements will need to be implemented sequentially through multiple projects in three (3) phases

- Short Term (1 – 5 years)
- Medium Term (6 – 10 years)
- Long Term (10 – 20 years)

A variety of factors influence the prioritization of projects including:

- How does this project align with the Guiding Principles?
- Does this project address the needs of a range of users?
- How many people will benefit from this improvement?
- What is the condition of the existing amenity?
- Does this project align with community priorities as identified through the outreach process?
- Does this project expand all-abilities access?
- How much will the project cost?
- Does the City have the ability to fund? Are there potential grants or partners to help fund?
- Does this project need to occur in order to allow a future project to proceed?

A matrix was developed to capture these criteria and guide the project phasing (see Appendix).

4. Overall Master Plan

Phasing Table

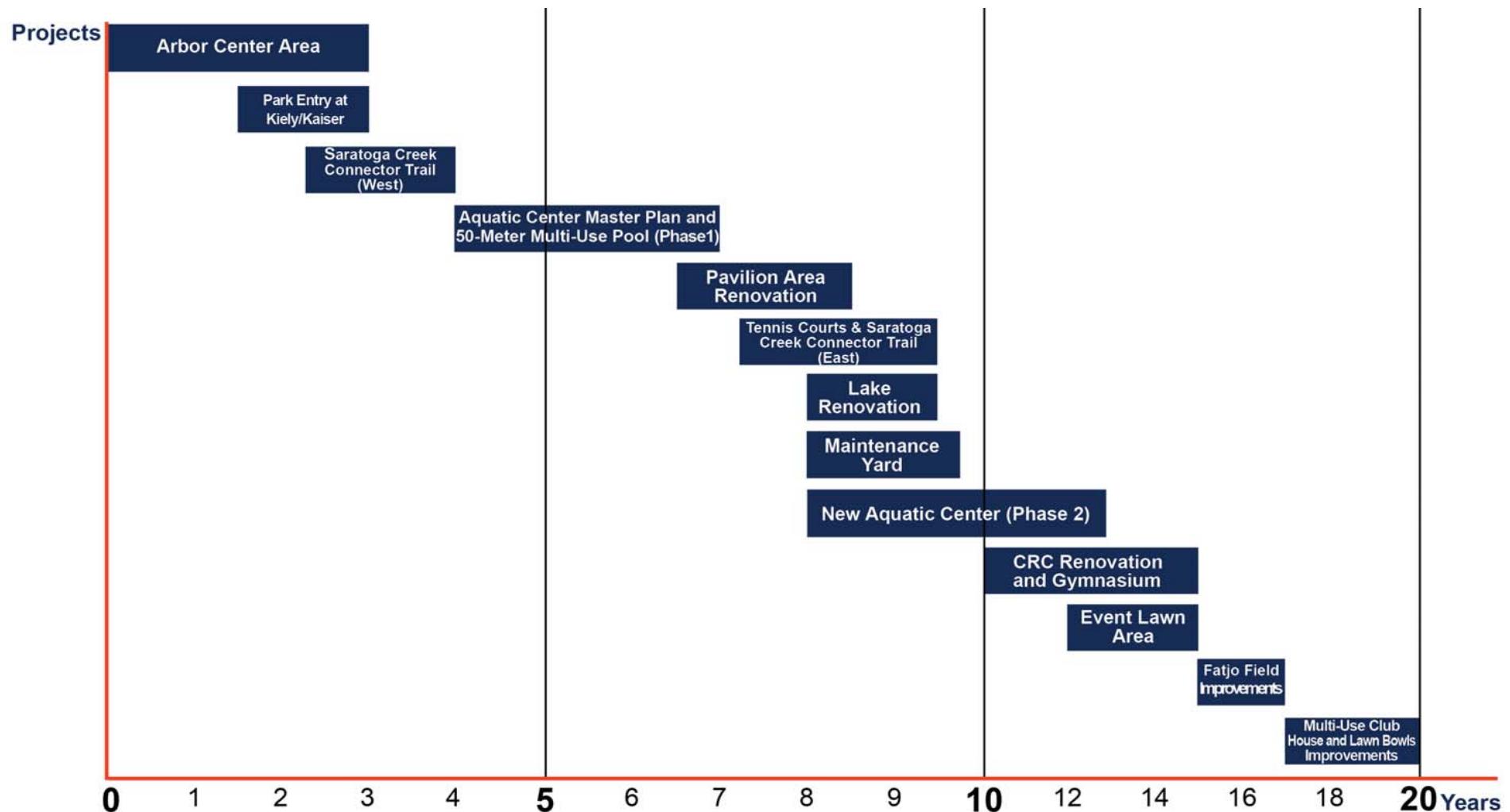


Table 4-1 Phasing Table

Master Plan Vision & Implementation Strategy

Year 1-5 Projects

1. Arbor Center Area
2. Park Entry at Kiely/Kaiser
3. Saratoga Creek Connector Trail (West)
4. Aquatic Center Planning & Design

Year 6-10 Projects

1. Aquatic Center Master Plan and 50-Meter Multi-Use Pool (Phase 1)
2. Pavilion Area Renovation
3. Tennis Courts & Saratoga Creek Connector Trail (East)
4. Lake Renovation
5. Maintenance Yard
6. New Aquatic Center (Phase 2) - Continued Design

Year 11-20 Projects

1. New Aquatic Center (Phase 2) Construction
2. CRC Renovation and Gymnasium
3. Event Lawn Area
4. Fatjo Field Improvements
5. Multi-Use Club House and Lawn Bowls Improvements

4. Overall Master Plan

Project Timeline

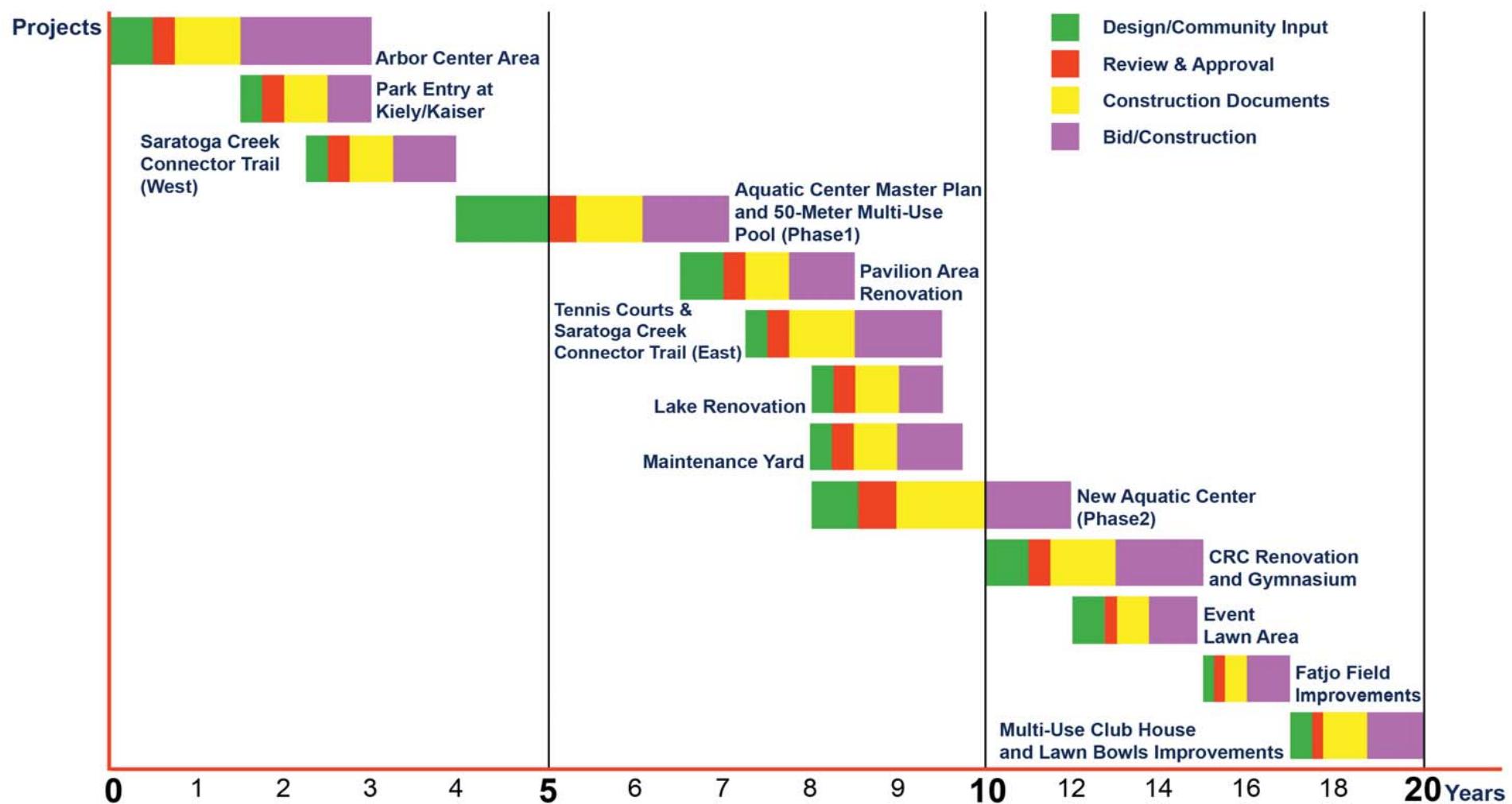


Table 4-2 Project Timeline

1-5 Year Project Concept Diagram



Figure 4-2 1-5 Year Concept Diagram

4. Overall Master Plan

Years 1-5

Arbor Center Area

Project Description:

- Arbor Center renovation
- Magical Bridge All-Inclusive Playground
- Renovation and repair of Pavilion parking lot
- Pedestrian connection between parking lot and Arbor Center area with associated lighting, signage and site furniture
- Group Picnic 1 and 2 West
- Arbor Center restroom renovation or Optional – new restroom

The Arbor Center is an iconic part of Central Park. The renovation and addition of amenities in the Arbor Center area includes multiple elements which will enhance the existing user experience and increase capacity.

The aging structure of the Arbor Center will be repaired and renovated while maintaining its iconic architectural character. Site furniture, lighting and power will be updated and improved. The mature existing trees will be preserved and integrated into the design to the extent possible.

The existing play area will be replaced and expanded to create a Magical Bridge All-Inclusive Playground. This play environment will provide age appropriate play areas, with play components suitable for all skill levels and all abilities. Water play in the playground is desired by the community. Plantings will be incorporated into the Nature Playground, and play components will be integrated into the existing berm. Each play zone will be accessible. Parent seating, and shade for both the play and seating areas will be provided. An adult fitness court will allow parents to engage in active recreation while supervising their children. The playground will be constructed to Santa Clara playground design standards.

The path and playground location will be shifted closer to the Arbor Center in the area where the group picnic and amphitheater currently exist. This will create a synergy between the Arbor Center, restroom and play environment, and allow for expansion of the adjacent meadow area. A portion of the amphitheater use by children will be recaptured in the new play environment. A new stage proposed for the event lawn in future phase will also replace the amphitheater use.

The Pavilion parking lot at the southwestern corner of the park is a major entry to Central Park. The surface of the parking lot and connecting pedestrian paths are deteriorating.

Resurfacing and re-striping the parking lot, as well as reconstructing the curbs, will, at minimum, retain the existing number of parking spaces, and possibly accommodate additional spaces. Code compliant ADA parking stalls with accessible aisles and signage will be provided. Repairing and resurfacing the pedestrian connections to the Arbor

Center, Creek Trail and the Kiely Blvd. sidewalk will improve the usability of these connections. Entry identification signage on Kiely Blvd. will be provided.

Two new group picnic areas will be constructed under the trees near the current play area. Each area will be designed to accommodate 30-40 people. Barbecues, trash receptacles and picnic tables, including ADA accessible tables, will be provided. The site furnishings will comply with City of Santa Clara Park Amenity Standards. Existing trees and a possible structure will provide shade.

Site furnishings including benches, trash receptacles and drinking fountains, as well as improved lighting and wayfinding signage will be provided throughout the area. The pathway will be designed to accommodate maintenance vehicles and provide connections to the balance of park and the Creek Trail.

Existing trees will be preserved to the extent possible.

The Arbor Center restroom, which is in



Figure 4-3 Arbor Center Area - Enlarged

poor condition, will be renovated and upgraded. An option to be considered is the replacement of the existing restroom with a new restroom that would be better oriented to also serve the all-abilities playground.

The Magical Bridge All-Inclusive Playground portion of the project is currently funded. Project sequence would construct play area first, followed by restrooms, pathways and parking lot improvements. The picnic areas would



4. Overall Master Plan

Years 1-5

be in the final improvements constructed with this project.

Alignment with Guiding Principles:

1. Honor the legacy
2. Public visibility
5. Connectivity and accessibility
6. Community and "sense of place"
7. Increase park capacity
8. Inclusive design
9. Age-friendly health and wellness
12. Research based best practices

Justification:

The City Council has a stated goal to enhance community sports and recreational assets.

The Kitchell Report documents that the amphitheater and playground are in poor condition and are priorities for replacement. The play area is not ADA compliant, and the Arbor Center restroom is in poor condition and approaching the end of life expectancy. The Kitchell Report

also indicated that parking lots and access pathways were in poor condition.

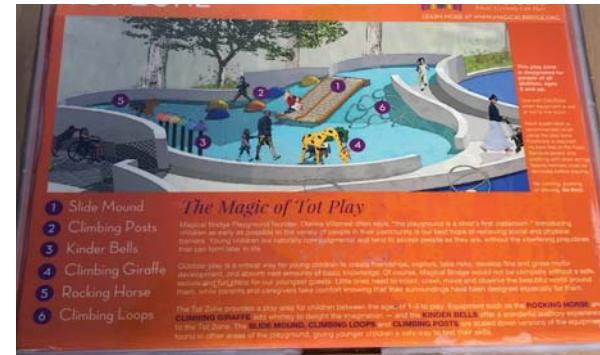
Staff has identified as a high priority the need to renovate the Arbor Center structure, and to improve site furniture, lighting and event power to enhance rentals.

The Community identified the Arbor Center, parking lot, restroom and playground improvements as high priorities.

The project will increase capacity to accommodate population growth. Improvements to pathways and play area meet the City's goals of all-abilities access and address code compliance. Pedestrian improvements will be designed in anticipation of a new park entry at Kiely/Kaiser enhancing community access to Arbor Center improvements.

Improvements to Arbor Center and picnic areas increase revenue recapture opportunities.

The project provides an opportunity to



provide additional parking spaces and enhanced connections to accommodate increased parking demand for events, and to improve access to the Arbor Center and the Magical Bridge All-Inclusive play area.

Optional replacement of the existing restroom is an opportunity to expand the capacity of the restroom facility to meet demands generated by the all-abilities playground. It also provides an opportunity to reorient one restroom to serve both the Arbor Center and the new playground in a shared plaza area.

Pathways improvements will support utility maintenance access during special events. Project improvements will reduce maintenance costs.

The Magical Bridge All-Inclusive Playground project is currently funded. Improvements will benefit a cross-section of the community and upgrade deteriorating amenities consistent with Santa Clara's high quality value.

2019 Budget: \$11,767,492

See Appendix B for probable estimate.

4. Overall Master Plan

Years 1-5

Park Entry at Kiely/Kaiser

Project Description:

- New entry at Kiely/Kaiser.
- Retain and enhance Veteran's Memorial while adding additional gathering space.

The primary entry to Central Park will be relocated to align with the signalized intersection at Kiely Blvd. and Kaiser Drive. The new road entry from Kiely sweeps around the Veteran's Memorial, providing orienting views of the central meadow and the all-inclusive play area. The Kaiser Drive entry overlooks the meadow and will be developed to create a welcoming first impression.

An arrival plaza area will be created on the south side of the CRC with strengthened pedestrian connections to the Magical Bridge All-Inclusive Playground and the Arbor Center.

This project will retain and enhance the iconic Veteran's Memorial which providing a gathering space to accommodate 300 persons during a ceremony.

Alignment with Guiding Principles:

1. Honor the legacy
2. Public visibility
3. Context sensitivity
5. Connectivity and accessibility
6. Community and "sense of place"
7. Increase park capacity
13. Public safety and security

Justification:

Development of a new park entry at signalized intersection will significantly improve access to the park especially during events.

Connections will be provided between park use areas and bus stop transportation improvements, enhancing pedestrian access. Improvements will also enhance



the pedestrian's connection between the Veteran's Memorial and other park uses.

Integrating the park entry with memorial honoring the Veterans celebrates this important part o Santa Clara community's identity.

The redesign of gathering spaces around Veterans Memorial provides greater reverence and capacity.

Funding is available for storm water treatment and habitat restoration which will be a part of this project. New entry alignment and pedestrian pathway improvements support safe routes to

park's objectives.

2019 Budget: \$2,175,530

See Appendix B for probable estimate.

Park Entry at Kiely/Kaiser

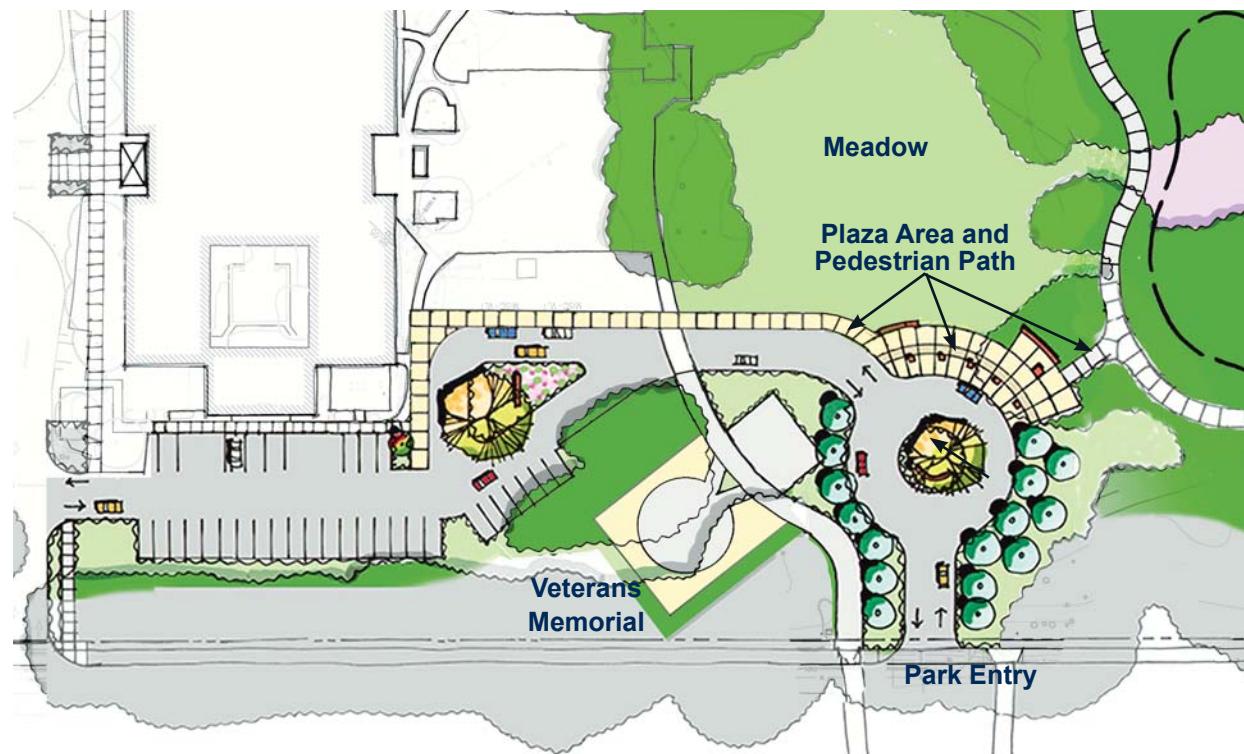
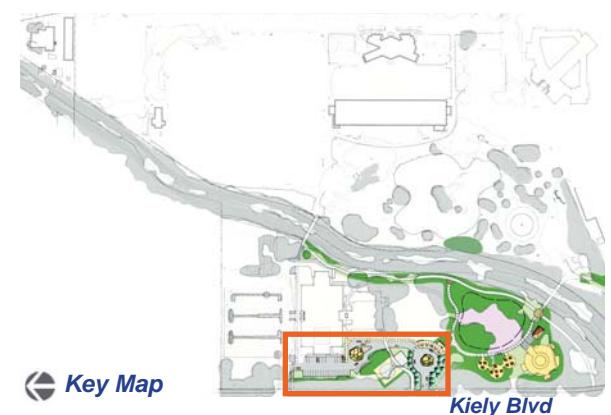


Figure 4-4 Park Entry at Kiely/Kaiser



Key Map

4. Overall Master Plan

Years 1-5

Saratoga Creek Connector Trail (West)

Project Description:

- Trail along west side of Saratoga Creek
- Riparian mitigations
- Associated lighting, fencing, interpretive signage, seating and other trail enhancements

As a part of the Regional San Tomas Aquino/Saratoga Creek Trail Master Plan developed by the County of Santa Clara, the San Tomas Aquino Creek Connector Trail is planned to run along Saratoga Creek as it passes through Central Park.

Design and construction of the trail segment along the western side of Saratoga Creek, south of the Community Recreation Center bridge, will better connect the Recreation Center and Arbor Center areas to the eastern portions of

the park. The trail will include pathway, overlooks, seating, habitat enhancement and interpretive signage that will facilitate appreciation and enjoyment of Saratoga Creek, and integrate the Creek environment with the built environment.

The CEQA initial study/mitigated negative declaration prepared for the trail segment between Central Park & Homeridge Park identified potential project impacts to trees, which depending upon actual final design and trail alignment may require mitigation.

H.T. Harvey Associates' identified mitigation areas and opportunities in the Central Park site which could be developed with the trail to reduce impacts.

Alignment with Guiding Principles:

5. Connectivity and accessibility
6. Community and "sense of place"
7. Increase park capacity
8. Inclusive design
9. Age-friendly health and wellness
10. Sustainability
11. Enhance natural habitat



Justification:

The Creek is a unique resource. Providing greater public interface with this resource is a high community priority.

The project will enhance access between the community Recreation Center and the western portion of the park.

The project would meet goals of the Creek Master Plan to: maximize linkages to other trails; provide a safe and secure trail that is easy to maintain; provide alternate transportation routes; preserve and restore the creek environment, and; encourage educational uses along the creek.

The project aligns with the City's General Plan, which specifically mentions extending the San Tomas Aquino Creek Trail to Central Park, and includes the following goal and policies:

5.9.1-G4 Park, trail and open space facilities that are accessible and provide connections to destination points and activity centers within the City.

5.9.1-P3 Provide trails along creeks and other rights-of-way to link parks, open spaces, bicycle facilities and transit services with residential neighborhoods and employment centers.

5.9.1-P6 Support construction of trails within the City of Santa Clara that connect to the Bay Trail, the Saratoga/San Tomas Aquino Creek and the Guadalupe River trails.

The creek trail project will reduce barrier to access, improving pedestrian safety and improves connectivity, consistent with the findings identified in the "Increasing Park Accessibility" study by Santa Clara University.

2019 Budget: \$1,184,301

See Appendix B for probable estimate.



Figure 4-5 1-5 Year Diagram - Enlarged

4. Overall Master Plan

Years 1-5

Aquatic Center Master Plan and 50-Meter Multi-Use Pool (Phase 1)

Project Description:

- New 50-meter multi-use pool
- Bathhouse
- Relocate 2 tennis courts
- Mechanical, electrical and plumbing planned for future expansion
- Reconfigured shared parking with CRC
- Associated utility, site lighting and wayfinding signage modification

Develop a master plan for the Aquatic Center and design and construct a new 50-meter multi-use pool with movable bulkhead. Initiate the Aquatic Center master plan in year 4. The new pool will serve the range of existing pool user

groups when the existing International Swim Center (ISC), which is beyond its useful life, is closed down. The project will include a new bathhouse. The project should be designed to anticipate expansion with additional pools. If funding is available, additional master planned aquatic facilities can be constructed with the new 50-meter pool in Phase 1.

The new pool facility will be located on the Kiely Blvd. side of the park, away from the neighboring residences, with views into creek area. It will share a reconfigured parking area with the Community Recreation Center (CRC). Two (2) tennis courts will be relocated to another site to accommodate the pool facility.

Alignment with Guiding Principles:

2. Public visibility
3. Context sensitivity
4. Preserve green space
5. Connectivity and accessibility
6. Community and "sense of place"
7. Increase park capacity

8. Inclusive design
9. Age-friendly health and wellness
10. Sustainability
12. Research based best practices

Justification:

The Kitchell Report found the existing swim center to be in critical condition and beyond its useful life, requiring some \$23 million dollars for repairs.

Intense uses such as the swim center, which generate noise and traffic, should be located away from the residential neighbors and adjacent to Kiely Blvd.

The development of a new pool will provide continuing access to a pool (although less capacity than current ISC) for the range of existing user groups when the existing swim center is pulled out of use.

The community places a priority on continuing the swim programs currently offered in Central Park.

2019 Budget: \$9,370,451

See Appendix B for probable estimate.

Aquatic Center Master Plan and 50-Meter Multi-Use Pool (Phase1)

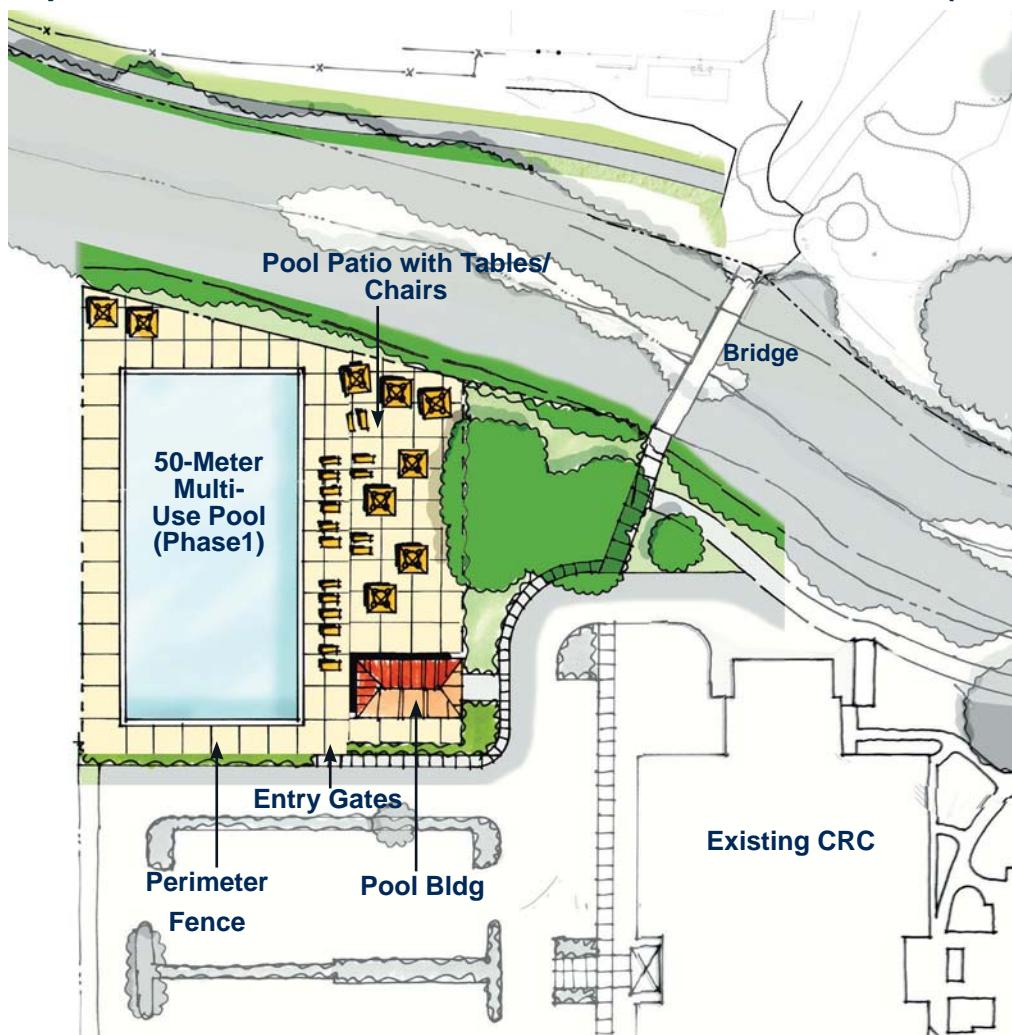


Figure 4-7 Aquatic Center Master Plan and 50-Meter Multi-Use Pool (Phase 1)



4. Overall Master Plan

Years 6-10

6-10 Year Project Concept Diagram



Figure 4-6 6-10 Year Project Concept Diagram

Pavilion Area Renovation

Project Description:

- Renovate Pavilion and restroom
- Upgrade playground
- Options for additional picnic areas and other amenities

Another Central Park icon, the Pavilion, is in need of renovation. The Pavilion structure and the area's restroom will be repaired and renovated while maintaining the iconic character. The playground will also be improved and upgraded. Potential uses that may be added include additional picnic areas or other amenities. The existing redwood grove will be preserved. Wayfinding signage, lighting and site furnishings will be added.

Alignment with Guiding Principles:

1. Honor the legacy

3. Context sensitivity
6. Community and "sense of place"
7. Increase park capacity
8. Inclusive design
9. Age-friendly health and wellness
12. Research based best practices

Justification:

Maintenance staff has identified that the BBQ and site furnishings need to be replaced. Improvements to utilities, storm drainage and sanitary sewer are needed. The sound system, power and lighting need to be addressed.

The City has given the play area a grade of C based on the value of play, design elements and inclusivity. The restroom needs to be upgraded to current codes.

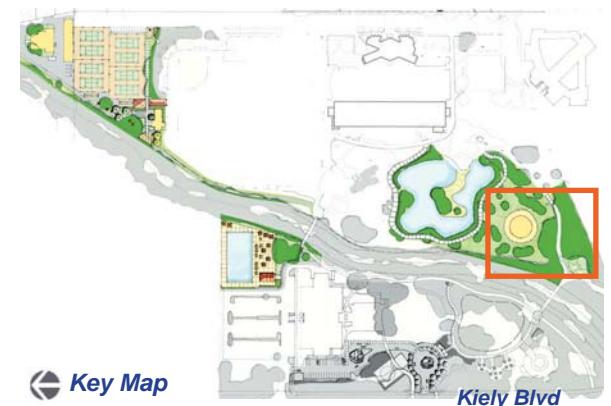
2019 Budget: \$2,040,885

See Appendix B for probable estimate.

Pavilion Area Renovation



Figure 4-8 Pavilion Area Renovation



4. Overall Master Plan

Years 6-10

Tennis Courts & Saratoga Creek Connector Trail (East)

Project Description:

- Trail along east side of Saratoga Creek and mitigation measures
- Tennis court improvements
- Shared field house facilities
- Plaza gathering space
- Associated lighting, signage, utility and site furnishing upgrades

Design and construction of this trail segment along the eastern side of Saratoga Creek, north of the Community Recreation Center bridge, will create better connections through the park for pedestrians and bicyclists. The trail will include creek lighting, overlooks, seating, habitat enhancement and interpretive signage that will enhance appreciation

and enjoyment of Saratoga Creek, and integration of the creek environment with the built environment.

Central Park's tennis courts are well used, for tournaments and classes as well as casual use. Construction of the creek trail will require slight adjustment the location of several courts to provide room for the trail. Additionally, two sets of bleachers will be built for tennis spectators.

The existing tennis field house, which includes a pro shop and restroom, will be upgraded with a new structure that will provide storage, concession space, and restrooms for shared use by tennis and field sports participants. The new structure will also serve as a Department Operation Center (DOC) for emergency responses such as Commodity Point of Distribution (CPOD), or other needs during events and declared emergencies.

The space adjacent to the new field house will become a plaza gathering space for tennis, field sports and other groups.

Picnic tables under a shade structure will provide a comfortable gathering and socializing space for after-game meetings and picnics. The plaza will be oriented to Saratoga Creek, allowing for the enjoyment of nature. A part of the Regional San Tomas Aquino/Saratoga Creek Trail Master Plan developed by the County of Santa Clara, the San Tomas Aquino Creek Connector Trail is planned to run along Saratoga Creek as it passes through Central Park. The project will also include the mitigation measure for riparian habitat based on previous CEQA analysis of the impact of the proposed trail.

Alignment with Guiding Principles:

3. Context sensitivity
5. Connectivity and accessibility
6. Community and "sense of place"
7. Increase park capacity
9. Age-friendly health and wellness
10. Sustainability
11. Enhance natural habitat
13. Public safety and security

Justification:

The project will enhance access through the park and to Benton Street.

The Creek is a unique resource. Providing greater public interface with this resource is a high community priority. The project would meet goals of the Creek Master Plan to: maximize linkages to other trails; provide a safe and secure trail that is easy to maintain; provide alternate transportation routes; preserve and restore creek environment and encourage educational uses along the creek.

The project aligns with the City's General Plan, which specifically mentions extending the San Tomas Aquino Creek Trail to Central Park, and includes the following goal and policies:

5.9.1-G4 Park, trail and open space facilities that are accessible and provide connections to destination points and activity centers within the City.

5.9.1-P3 Provide trails along creeks and other rights-of-way to link parks, open

spaces, bicycle facilities and transit services with residential neighborhoods and employment centers.

5.9.1-P6 Support construction of trails within the City of Santa Clara that connect to the Bay Trail, the Saratoga/San Tomas Aquino Creek and the Guadalupe River trails.

The expansion of the field house will provide needed additional storage and secondary use as a departmental operation center in special events and declared emergencies. The addition of a concession area and a covered picnic area will increase the capacity of the space to accommodate both tennis and sports field events. Upgraded trails will improve maintenance access and security.

2019 Budget: \$4,654,660

See Appendix B for probable estimate.

4. Overall Master Plan

Years 6-10

Tennis Court Complex

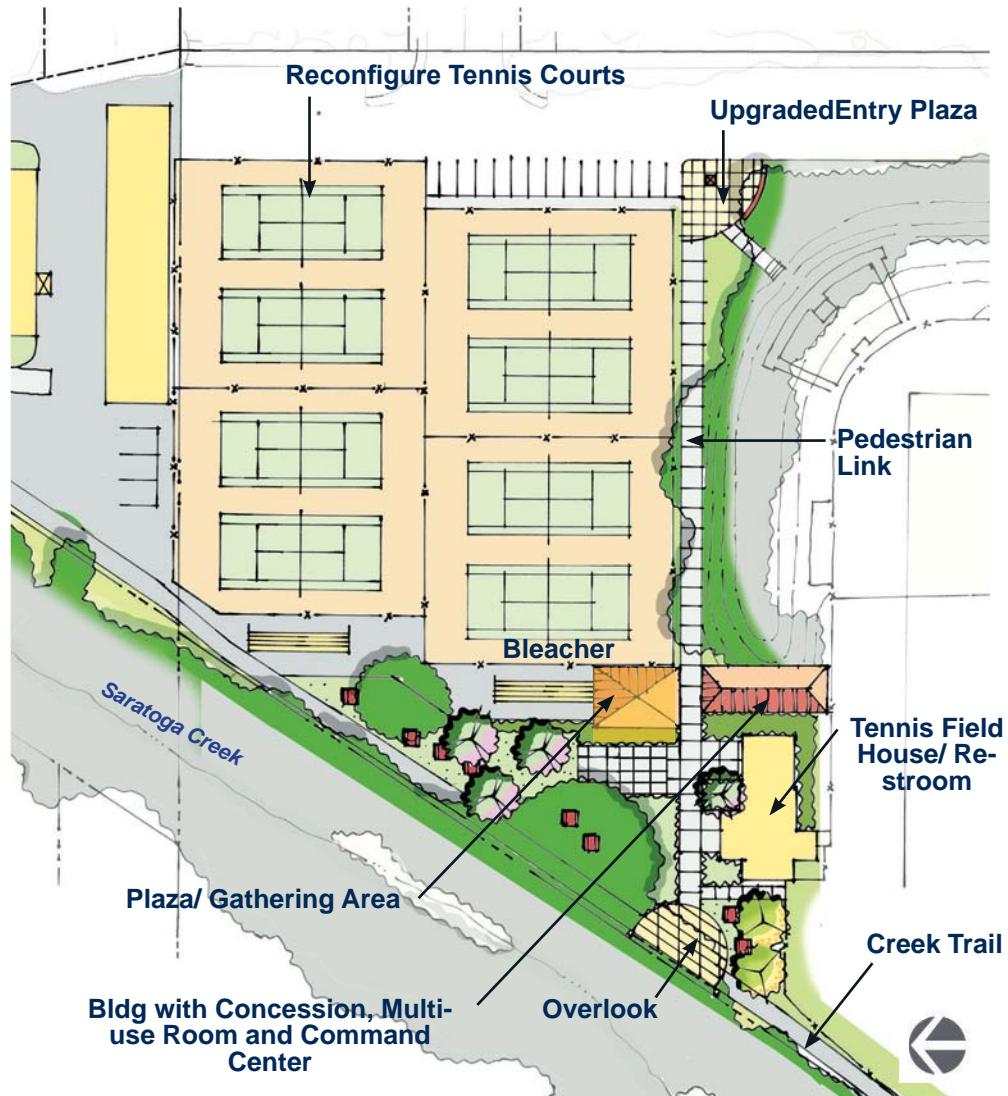
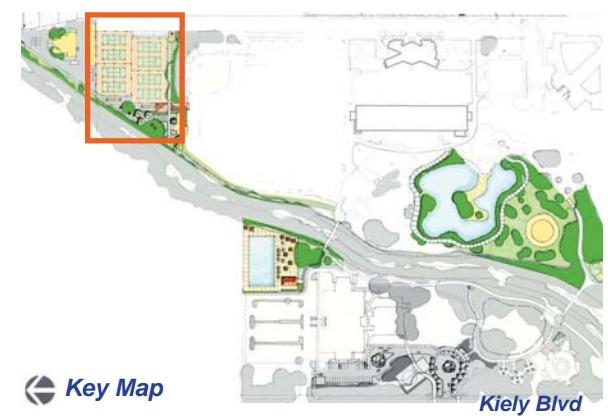


Figure 4-9 Tennis Court Complex



Years 6-10

Lake Renovation

Project Description:

- Renovate lake filtration
- Consider realignment of lakeside path and creation of bird habitat zone
- Create demonstration garden

The lake is a beloved icon of Central Park. Water quality has suffered, and algae and other pollutants impact the lake's appearance and smell. Renovation of the lake's filtration system will restore the lake as an attractive amenity, and will improve its habitat value.

Re-aligning the pathway around the lake could provide the opportunity to create improved habitat at the lake edge, and potentially minimize the movement of ducks and geese across the pathway, which they soil with their droppings. Evaluation and planning of such a realignment and habitat enhancement would be done in

consultation with an avian biologist.

Additionally, a demonstration garden will be created on the island, also increasing habitat value.

Alignment with Guiding Principles:

1. Honor the legacy
4. Preserve green space
6. Community and "sense of place"
10. Sustainability
11. Enhance natural habitat

Justification:

The Community values the lake as an icon, but is concerned with the smell and appearance of the lake. The need for a new filtration system is critical.

Currently the path is continually soiled with bird droppings, and providing a habitat buffer between the lake and the path could minimize this issue.

Community places value on creating a

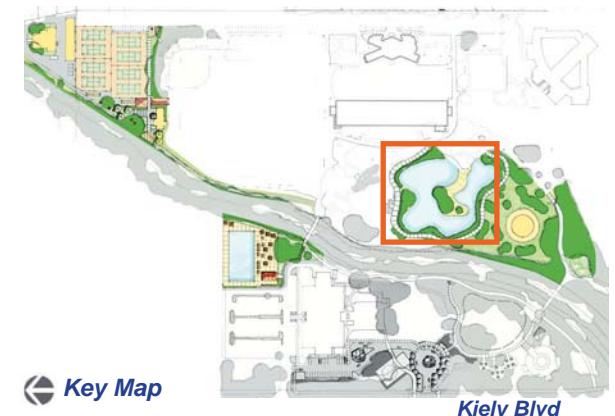
demonstration outdoor learning garden.

2019 Budget: \$3,042,926

Lake Renovation



Figure 4-10 Lake Renovation



4. Overall Master Plan

Years 6-10

Maintenance Yard

Project Description:

- Maintenance Yard reconfiguration and upgrades.

The Santa Clara Parks Services Center Maintenance Yard will be renovated and uses rethought and reconfigured to accommodate the loss of maintenance yard area associated with improvements for the creek trail.

The project would include repairs to paving and structures, and would expand the storage capacity to the extent feasible.

The Maintenance Yard should have space for trucks with trailers, secured access and egress, and parking. It might be possible to accommodate covered parking for vehicles and equipment in the underground parking structure. The building should include showers and

changing rooms with updated power and electric supply.

Alignment with Guiding Principles:

7. Increase Park Capacity
10. Sustainability
13. Public Safety and Security

Justification:

The Kitchell Report identified a number of upgrades and repairs that need to be addressed in the Maintenance Yard.

The Maintenance Yard needs to be reconfigured to provide room for the San Tomas Aquino Creek Connector Trail.

As the City and Park system has grown, the existing maintenance yard at Central Park can no longer accommodate citywide maintenance needs. Given the proximity to the existing residences and the creek, the use of the existing maintenance facility yard should be limited to accommodate

only the direct needs of Central Park. City-wide maintenance needs should be handled at an alternate location with industrial zoning and more compatible adjacent uses.

2019 Budget: \$2,568,685

See Appendix B for probable estimate.

Maintenance Bldg

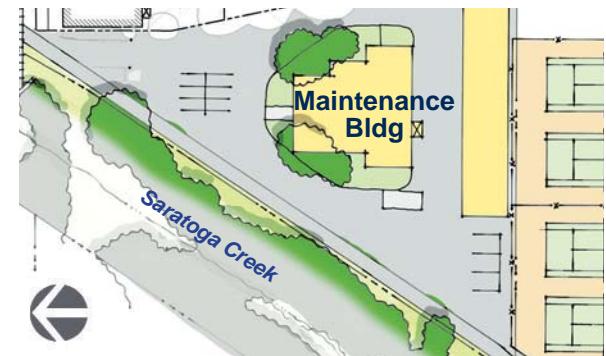


Figure 4-11 Maintenance Bldg



New Aquatic Center (Phase 2)

Project Description:

- New aquatic center
- Parking structure, surface parking and drop offs
- Plazas and connections
- Associated utility modifications, site lighting, signage, site furniture and landscaping

Complete design and construction of a new aquatic center complex to replace the existing International Swim Center. The new ISC complex will be located adjacent to the Community Recreation Center on the existing CRC parking lot. It will include a second 50-meter pool and a swim arena for competitive swimming, diving, synchronized swimming, and water polo; a 6,000 sf community pool for water therapy, recreation and instructional classes; bleachers with 1,800 seats; and

associated locker, restroom, and office facilities. Associated site improvements will include utilities, sight lighting, wayfinding signage, fencing, landscape and walkway modifications. Relocating the complex will minimize noise and disruption to adjacent residential neighborhoods, and provides the opportunity to better consolidate active uses.

Because the project will displace the current 165 stall CRC parking lot, it will include development of a 170 stall parking garage with one level underground at one level at grade. The parking structure should be designed to accommodate a future roof deck for additional park uses such as tennis courts or basketball courts. An additional 25 surface parking stalls are also provided.

Providing comfortable gathering spaces in shared plaza space between CRC and aquatic center will facilitate interaction between the various user groups (e.g. athletes, artists, preschoolers learning to swim, drama students), thus building

community.

The Plaza area links to the creek and the bridge to east side of park, creating a central hub.

Drop-off areas at both CRC and aquatic complex will be provided to enhance use.

Alignment with Guiding Principles:

2. Public visibility
3. Context sensitivity
4. Preserve green space
5. Connectivity and accessibility
6. Community and “sense of place”
7. Increase park capacity
8. Inclusive design
9. Age-friendly health and wellness
10. Sustainability
12. Research based best practices

4. Overall Master Plan

Years 6-10

Justification:

The Kitchell Report found the International Swim Center to be in critical condition, needing \$23 million for repairs and upgrades. The roof and major pool systems are beyond useful life expectancy. The windows need replacement. Staff has identified significant challenges to continuing to maintain and operate the facility. There are numerous ADA compliance issues. The mechanical, electrical and plumbing systems are in critical condition.

Construction of a new facility will significantly reduce operation costs. Construction of a new facility allows the City to continue to utilize the existing facility during construction. The community has identified the continuation of the Aquatics Program as a high priority. The project will increase Swim Center capacity and increase cost recovery.

An underground parking structure is required to accommodate both the

CRC parking area displaced by pool construction and the new parking needs generated by the swim center. The development of a stacked parking garage creates additional land for park use. With Santa Clara's high land values and lack of available land, this is an investment comparable to outright land purchase. For example, for new development, the City currently requires dedication of 1 acre of parkland (valued at \$3 million) and \$1.6 million for park improvements.

Relocation of this intense use to the Kiely Blvd. frontage will increase visibility and minimize impacts on residential neighbors. The existing CRC surface parking lot is in poor condition and requires ADA compliance upgrades.

Views of the proposed surface level parking will be buffered by the mature trees along Kiely Blvd.

Clustering the CRC and aquatic center creates opportunities for synergistic programs and social vitality. Parents can explore a class offering while their

children are in swim lessons.

2019 Budget: \$24,815,722

See Appendix B for probable estimate.

New Aquatic Center (Phase 2)

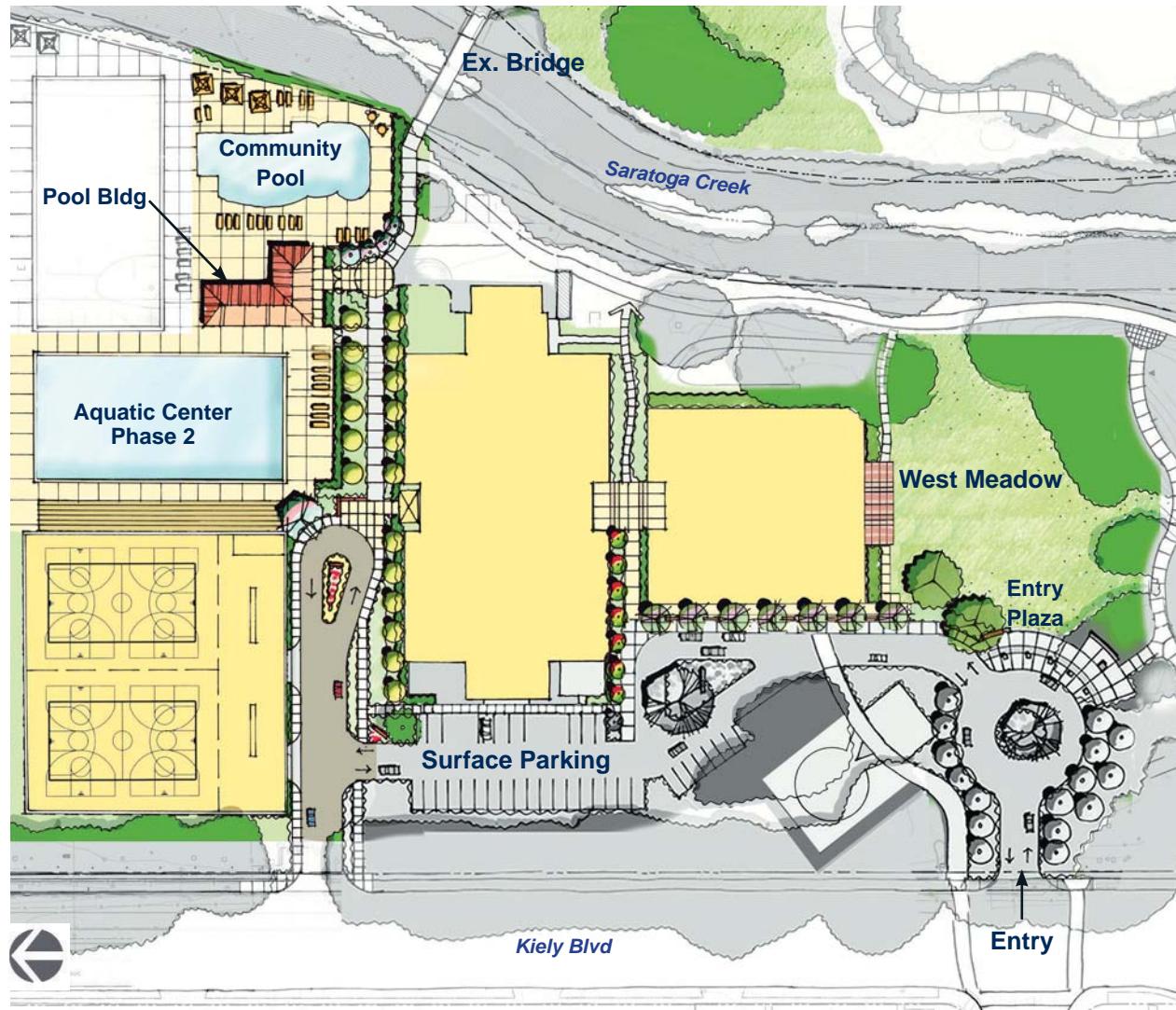
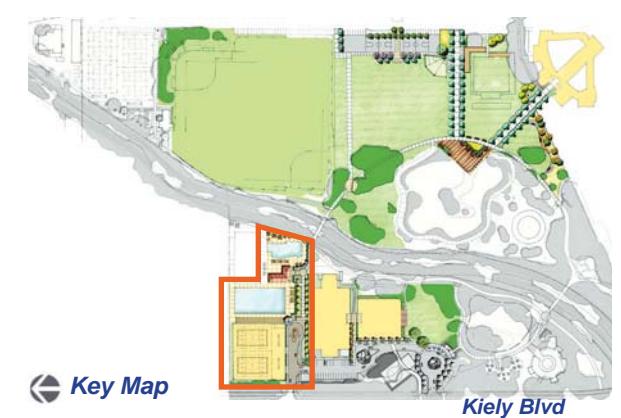


Figure 4-13 New Aquatic Center (Phase 2)



4. Overall Master Plan

Years 11-20

11-20 Year Project Concept Diagram

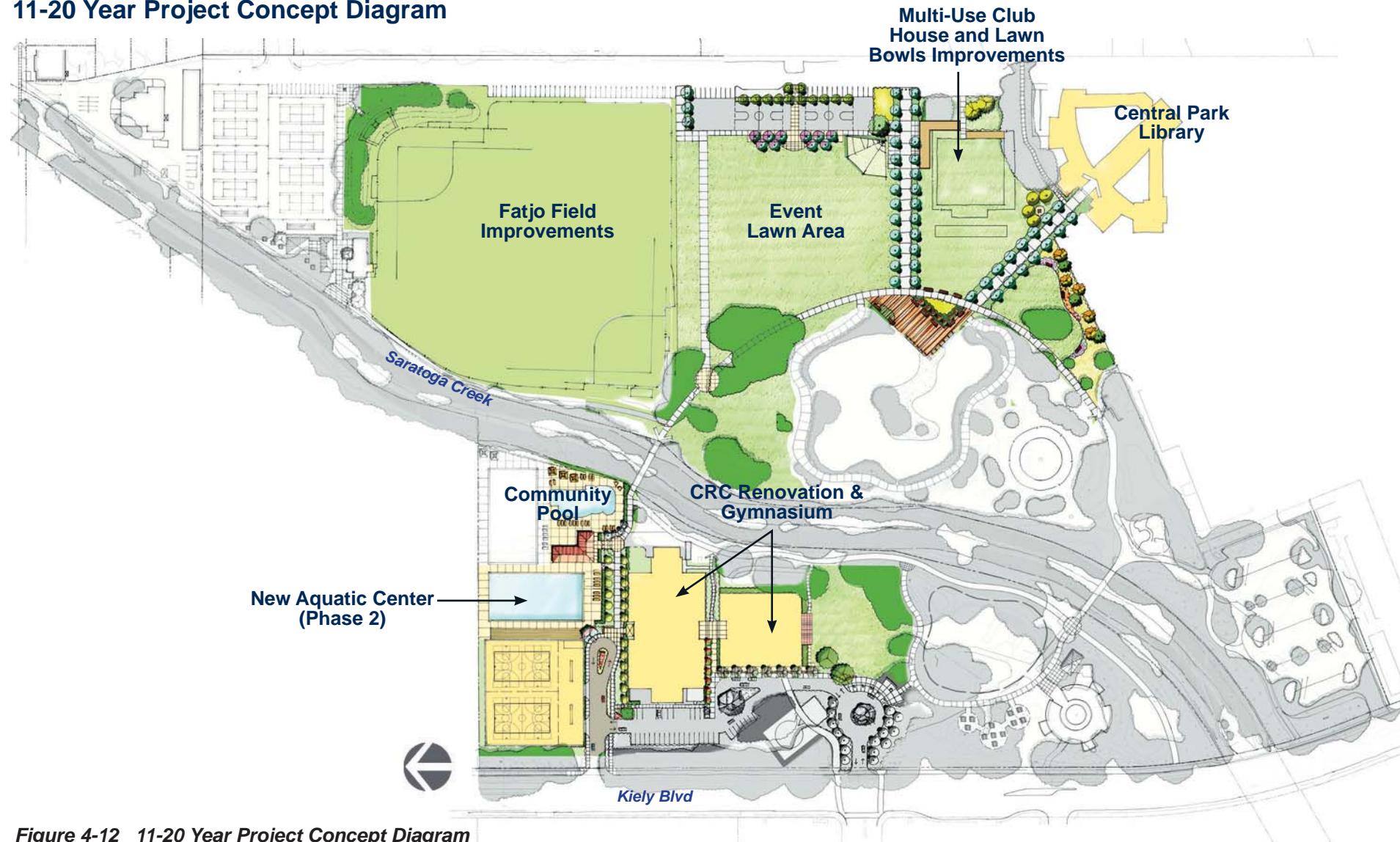


Figure 4-12 11-20 Year Project Concept Diagram

CRC Renovation and Gymnasium

Project Description:

- Renovation of the Community Recreation Center (CRC)
- New multi-purpose gymnasium
- West meadow upgrade
- Associated utility, hardscape, signage, site lighting and landscape improvements

Renovate existing CRC to meet evolving community indoor recreation program needs. This project will address aging systems and deficiencies to create a higher quality facility.

Design and construct a free standing gym (16,200 sq. ft.) to accommodate a range of fitness and recreation programs to meet the needs of Santa Clara's growing population. The gym should accommodate, at minimum, one full

sized regulation basketball court, with two smaller basketball courts running cross-court, separated by a mid court line curtain. It should also accommodate a similar layout for volleyball, with one full sized volleyball court and two crossing courts. Basketball and volleyball will require 26 feet of clearance between the floor and any upper obstructions such as ceiling lighting.

The gymnasium should be designed to complement the existing CRC architecture. The southern edge of the gym should open onto the meadow loop path with a shaded gathering area. The southern facade should be carefully articulated to blend with the meadow. Paths and plazas around the gym should be designed to integrate this new structure into the overall park fabric. A shared plaza and drop-off area will be developed for the gym and CRC.

It is an option to provide an additional 80 parking stalls in underground parking garage beneath the gym.



4. Overall Master Plan

Years 11-20

CRC Renovation and Gymnasium

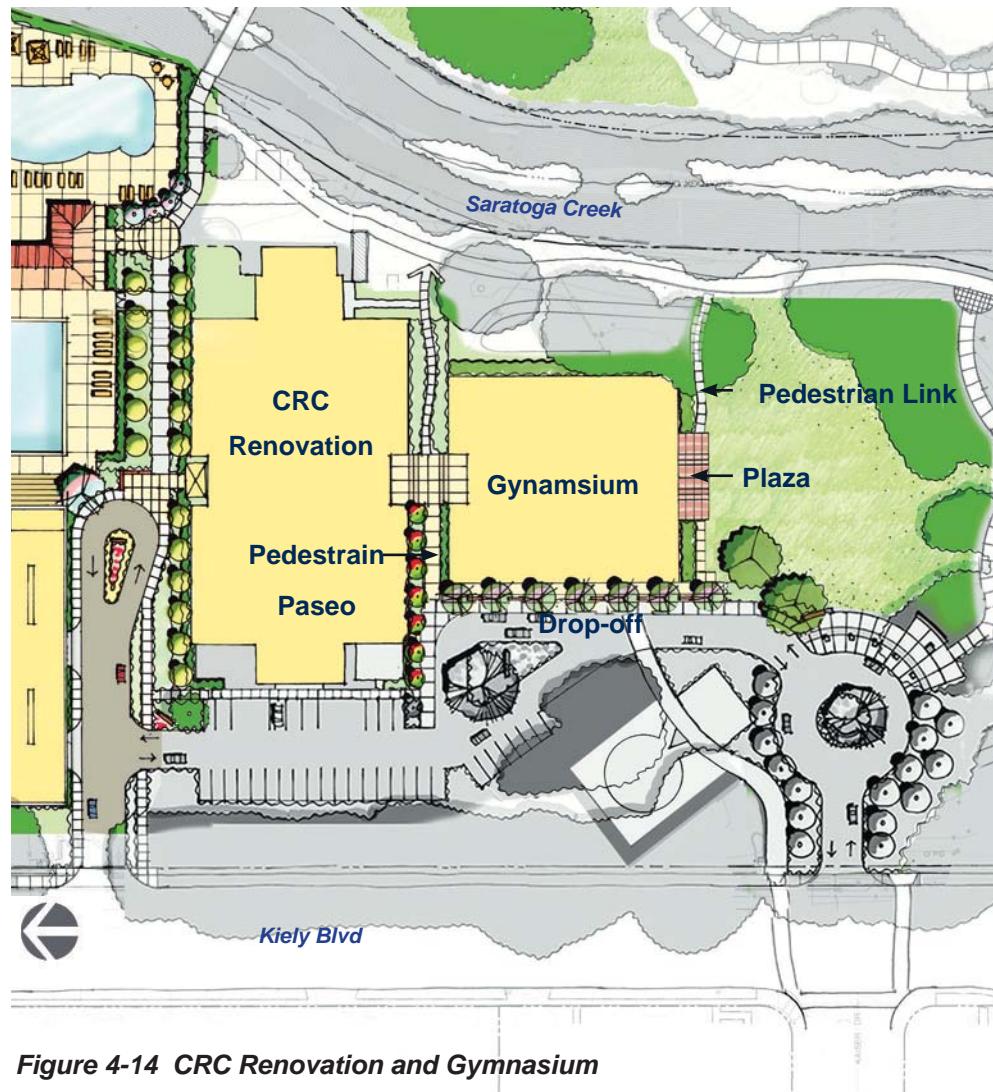


Figure 4-14 CRC Renovation and Gymnasium

COLUMBIA NEIGHBORHOOD CENTER FACILITY EXPANSION SUNNYVALE SCHOOL DISTRICT AND THE CITY OF SUNNYVALE



A E D I S ARCHITECTURE & PLANNING



Potential Gymnasium Layout, for illustrative purposes only.

Alignment with Guiding Principles

2. Public visibility
3. Context sensitivity
4. Preserve green space
5. Connectivity and accessibility
6. Community and "sense of place"
7. Increase park capacity
9. Age-friendly health and wellness
12. Research based best practices

Justification:

The Kitchell Report classifies the CRC as in good condition, but notes numerous building deficiencies related to general use and wear. Mechanical systems are at end of expected useful life. Thermal conflicts arise with the zoning of the HVAC system. Several older electrical components beyond useful life.

The CRC (1975) is undersized for and not designed to accommodate current demand for recreation, community health and wellness classes. There is a need to provide increased active recreation

indoor facilities to meet the needs of the growing population. The 2014 Youth Sports Needs Assessment identified the need for additional gym space.

Redesign of the CRC spaces can increase center capacity. Rethinking interior and exterior spaces will expand range of opportunities for age-friendly social and cultural exchange.

There is a high community need for a multi-purpose year round indoor recreation facility. The City currently leases a gym from the School District. However, with the population growth, increasing demands on both the School District and City necessitate the development of a new gym.

Construction of a gym adjacent to the CRC continues to complete the Master Plan vision to shift the front door of park to Kiely Blvd. Enhancing the visibility of park amenities from this major community road by locating the gymnasium on the Kiely edge of park also buffers the neighbors from the traffic noise impacts. Green space is protected by locating the

gym on the site of the existing basketball courts. Stacking uses by locating parking in an underground garage or locating outdoor courts above the aquatics center parking garage, accommodates additional uses in the same space while maintaining the pastoral character of the park.

Clustering the high intensity uses (Aquatic Center, CRC and Gymnasium) creates a vital synergistic destination within the overall park. A place where a variety of users - athletes and artists; senior and preschoolers - can interact and build community. The redesign of this facility can be driven by research based best practices. Both the CRC and gymnasium will serve essential City emergency care and shelter functions.

Option 1: A garage under the gym can increase parking capacity without utilizing additional park land.

Option 2: The existing outdoor basketball courts can be stacked on the parking structure by the swim center.

2019 Budget: \$16,063,754

See Appendix B for probable estimate.

4. Overall Master Plan

Years 11-20

Event Lawn Area

Project Description:

- Demolition of ISC
- Create Event Lawn at ISC site
- Court space / overflow parking
- Pedestrian connections
- Overlook deck
- Multipurpose field/club house
- Associated utility, hardscape, signage, and landscape
- Stage

Demolition and relocation of the existing ISC provides the opportunity to repurpose the site as an event lawn with supporting amenities.

The event lawn will be a flexible, temporary event space which will accommodate

popular community events such as the Art and Wine Festival and the Annual Barbecue. It will include a stage with a permanent shade structure with capacity to house lighting and sound systems and a band shell to buffer neighbors from impacts. Supporting facilities such as backstage areas, event power, staging area and access will be provided.

To accommodate the large events, infrastructure such as power, sewer and water will be expanded. Multiple water sources and sewer tie-ins around the perimeter of the event lawn will allow for features such as sinks at the Annual Barbecue and Art and Wine Festival. Added court recreation uses will be designed to accommodate overflow parking or food trucks during events. Sound impacts will be mitigated by buffers designed to protect residents from noise and traffic impacts. Security will be enhanced by the placement of bollards along the perimeter of the event area.

Pedestrian walkways will create links between uses, including the lake

and ballfields, and a new pedestrian connection to the library will bring people to the heart of the park and to a new overlook deck at the edge of the lake.

A new multi-purpose field house will be constructed between the event lawn and the existing lawn bowl. The new building will include restroom facilities, storage, a concession area, and a multi-purpose meeting room that can be used by a range of groups, from birthday rentals to lawn bowl clubs.



Event Lawn Area

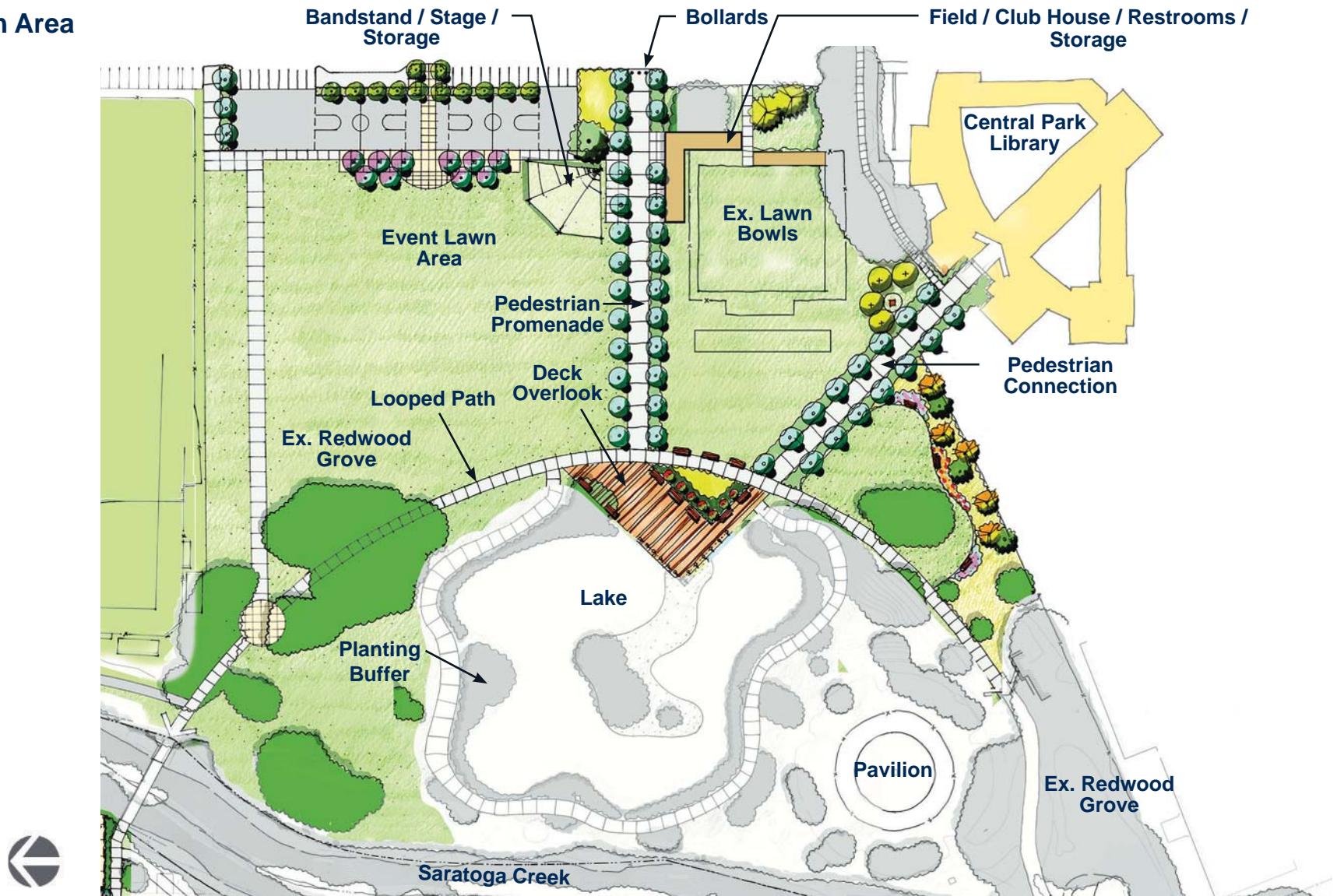


Figure 4-15 Event Lawn Area

4. Overall Master Plan

Years 11-20

Special Event Layout



Figure 4-16 Special Event Layout

Wayfinding signage, lighting and site furnishings will be added. The existing redwood grove will be preserved.

Alignment with Guiding Principles:

3. Context sensitivity
4. Preserve green space
5. Connectivity and accessibility
6. Community and "sense of place"
7. Increase park capacity
9. Age-friendly health and wellness
12. Research based best practices

Justification:

The Community places a very high value on the events hosted by the City. Currently the ballfields are used for events. Relocating this use to the event lawn will reduce wear on ballfields and allow for the future improvement of ballfields with synthetic turf.

With relocation of the ISC, the Patricia Drive parking area would be available

for events. Providing the infrastructure for events; event power for sound and lighting, staging area, additional storage and restrooms in the new field house would reduce the cost to host events and wear on the park, as well as allowing more flexibility in the events hosted. A permanent structure over the stage would reduce recurring rental costs for lighting and sound for events.

The addition of a “multi use field house” with restrooms, kitchen, outdoor covered patio with bbqs and shade would serve existing lawn bowls club as well as attract/serve other outdoor bowl sports such as bocce, and community use for meetings, cooking classes, recreational activities during afternoon and evening hours. The new building would be closer to existing utilities, accessible parking and open up the area of existing trailer for added regulation bocce courts which would enhance the aesthetic character of the park, increase numbers and diversity of recreational interests served.

2019 Budget: \$13,173,760

See Appendix B for probable estimate.



Stage



Art & Wine Festival



Egg-stravaganza

4. Overall Master Plan

Years 11-20

Fatjo Fields Improvements

Project Description:

- Synthetic turf for ballfields
- Repair and upgrades of entry and field areas
- Add storage underneath the bleachers.

The primary improvement to Fatjo Fields will be to convert the grass fields to synthetic turf. The fields' bleachers, fencing, lighting and dugouts will be renovated and repaired as necessary. The entry area will be upgraded to provide a more welcoming arrival area.

Alignment with Guiding Principles:

7. Increase park capacity
10. Sustainability

Justification:

Conversion of the natural turf fields to synthetic turf will increase the capacity of the fields to accommodate more play, including a potential cricket and soccer overlay. The fences, backstops, and steps need repairs. Conversion to synthetic turf will reduce irrigation water consumption and maintenance, eliminate the need for field rest, and be an all-weather amenity.

Storage underneath the bleachers will provide an increased amount of cost-effective storage capacity to support the numerous community events while reducing the footprint of storage in much needed community building programmed space.

The conversion also expands the ability to utilize the fields for a staging area in the event of an emergency. This might include care and shelter functions, including designation as a commodity point of distribution (CPOD).

2019 Budget: \$13,683,214

See Appendix B for probable estimate.



Synthetic Turf Ballfield



Key Map

Multi-Use Club House and Lawn Bowls Improvements

Project Description:

- Multi-Use Club House
- Lawn Bowls Improvements
- Optional Recreational Amenities

The City of Santa Clara may plan to expand the Central Park Library to accommodate more patrons and future uses. Additional parking will be needed for the expanded facility. One possible option is acquisition of an adjacent property to expand the library and parking site. Another option is to locate parking under Lawn Bowls. Either option would provide additional needed parking while preserving green park space. The adjacent green area has reserved capacity for compatible future recreational programs.

"The addition of a "smaller modular club house" or outdoor covered patio with

bbqs and shade can be stand alone to serve existing lawn bowls club. The area also locates additional bowls such as regulation bocce, corn hole, lawn or other recreational activity space to the west of the lawn bowls green. The new modular building would be closer to existing utilities, accessible parking and open up the area of existing trailer for added regulation bocce courts which would enhance the aesthetic character of the park, and increase quantity and diversity of recreational interests served."

Alignment with Guiding Principles:

3. Context sensitivity
4. Preserve green space
7. Increase park capacity

Justification:

Any additional use intensification along this edge has the potential to impact neighbors.

2019 Budget: \$2,241,000

See Appendix B for probable estimate.

Multi-Use Club House and Lawn Bowls Improvements

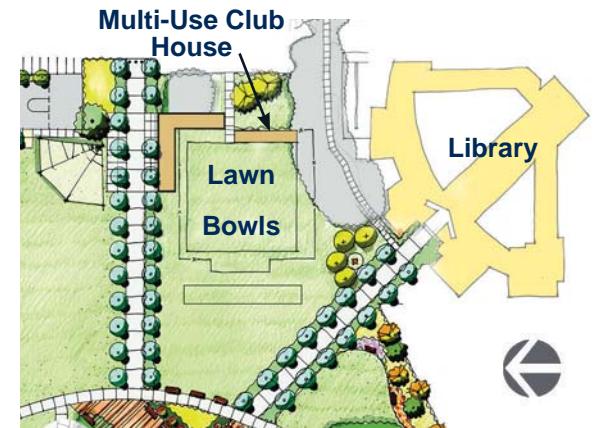


Figure 4-17 Multi-Use Club House, Lawn Bowls and Library



4. Overall Master Plan

Appendices

5



A. Use Matrix

Table 5-1 Use Matrix

Time Frame		Facility / Element	*		Guiding Principles												User Group(s)	Capacity	Condition (Kitchell 2017)	Community Priority	All Abilities	**Funded	Cost	***			
			R	E	N	M	1	2	3	4	5	6	7	8	9	10	11	12	13								
1-5 Years	6-10 Years	Value	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	
10-20 Years																									2	3	
PICNIC/PLAYGROUND/RESTROOM																											
30	ARBOR CENTER-Group picnic areas		2		1	1		1	1	1							1	1	1	1		4		4	1	3	
21	PAVILION-Group picnic areas		2		1				1	1							1	1	1	1		4		4	1	3	
30	PLAYGROUND-Arbor		2	3	1	1			1	1	1	1				1	1			2			4	1	2	3	
23	PLAYGROUND-Pavilion		2		1				1	1	1	1				1	1			2			4	1	2	2	
22	RESTROOM-Arbor Center		2		1			1	1							1	1	1	1	1		2		4	1	2	3
25	EVENT FIELD HOUSE ****			3		1	1	1	1	1	1					1	1	1	1			4		4	1	2	
21	RESTROOM-Pavilion		2		1				1	1						1	1	1	1	1			4	1		2	
SPORTS FIELD & COURTS																											
11	BASKETBALL COURTS-West				1											1	1	1	1		0					3	3
11	FATJO FIELD STANDS-East		1													1	1	1	1	2		2					2
11	FATJO FIELD STANDS-West		1													1	1	1	1	2		2					2
10	FATJO FIELD-Softball fields		1						1							1	1	1	1	2	0						2
13	LAWN BOWLS-Green		1						1		1						1	1			1		4	1		3	
15	TENNIS CENTER Courts & Stands		2	1					1							1	1	1	1	2	0					2	3
19	TENNIS CENTER-Field House / Plaza		2					1	1	1	1					1	1	1	1	1	2		4			2	
13	TENNIS COURTS-CRC Relocate Off Site				1											1	1	1	1		0				3	2	3
11	DOG RUN			3							1					1	1	1	1					1	-1	3	
INDOOR FACILITIES																											
23	Gymnasium		3		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4		-1	1			
19	CENTRAL PARK LIBRARY EXPANSION		2						1							1	1	1	1		6	0		4	1		
19	CRC-Activity Rooms		2		1			1	1	1	1					1	1	1	1	1	1	0		4	1		
21	CRC-Auditorium		2		1			1	1	1	1					1	1	1	1	1	4	0		4	1		
18	CRC-Ceramics & Storage		2		1			1	1	1	1					1	1	1	1	1	0		4	1			
19	CRC-Exercise & Dance Rooms		2		1			1	1	1	1					1	1	1	1	1	2	0		4	1		
17	CRC-Music Room		2		1			1	1	1	1					1	1	1	1	1	1	0		4	1		
16	CRC-Preschool & Play		2		1			1	1	1	1					1	1	1	1	1	1	0		4	1		
14	CRC-Recreation Administration		2		1			1	1	1	1					1	1	1	1	1	1	0		1		1	
AQUATICS																											
27	50 Meter Multi-use Pool		3		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4		4	1			
23	Diving Pool		2		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	2			1		
26	50 Meter Competition Pool		2		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4		6	2			
28	Bathhouse, MEP & Admin		2		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2			6	2	1		
24	Diving Stands		2		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2		6	2		1		
28	Bleachers & Storage		2		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4		6	2		1	
27	Community Pool		2		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2			6	2		1	

Table 5-1 Use Matrix

5. Appendices

Table 5-1 Use Matrix (continued)

Time Frame		Facility / Element	*		Guiding Principles													CHILDREN 2-12 1 1 1 1	TEENS 13-19 1 1 1 1	ADULTS 18-55 1 1 1 1	SENIORS 55+ 1 1 1 1	CAPACITY < 50 50-100 100-500 >500	CONDITION Good Fair Poor Critical	COMMUNITY PRIORITY Med. High B/I/A CF GF **Funded NF	ALL ABILITIES		**Funded NF	COST		*** CS
			R	E	N	M	1	2	3	4	5	6	7	8	9	10	11	12	13											
1-5 Years		Value	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6-10 Years																														
10-20 Years																														
TRAILS AND OPEN SPACE																														
21	LAKE		1				1		1		1				1	1					4	0			4	1			2	
22	MEADOW-East side picnic		1					1	1	1					1	1	1	1			4	0			4	1			3	
25	MEADOW-West side picnic		1					1	1	1					1	1	1	1			4	0			4	1			3	
20	REDWOOD GROVE-North		2												1	1		1	1	1	4	2		2	1			3		
22	REDWOOD GROVE-South Pavilion		2			1			1	1				1	1	1	1			4	2			2				3		
26	WALKING PATHS		2						1	1	1				1	1	1	1			4	4		4	1			3		
17	DEMOSTRATION GARDEN			3						1				1	1		1	1	1	2			2	1		-1	3			
25	SARATOGA CREEK-SPUR TRAIL WEST		3						1	1	1	1	1	1	1	1	1	1	1		4			4	1		-1	3		
25	SARATOGA CREEK-SPUR TRAIL EAST		3						1	1	1	1	1	1	1	1	1	1	1		4			4	1		-1	3		
GATHERING/EVENTS																														
20	Lawn			1											1	1	1	1	1	4	4							3	3	
20	VETERANS MEMORIAL		2			1	1	1	1	1	1				1	1	1	1	2			2	1			3				
25	EVENT LAWN		2			1	1	1	1	1	1	1		1	1	1	1		6	0			4	1		-1	2			
PARKING																														
20	PARKING LOT-CRC		1													1	1	1	1		4	4		4	1			2		
16	PARKING LOT-Library Surface		1													1	1	1	1		4			4	1			2		
17	PARKING LOT-Patricia Drive		1					1								1	1	1	1		4	0		4	1			2		
21	PARKING LOT-Pavilion		1					1								1	1	1	1		4	4		4	1			2		
17	PARKING GARAGE # 1 underground West		2					1	1		1					1	1	1	1		4			4		-1		1		
15	PARKING GARAGE # 2 underground East/ Tennis Court		2					1	1		1					1	1	1	1		4			2		-1		1		
15	PARKING GARAGE # 3 East/Library		3					1	1		1					1	1	1	1		4								1	
MAINTENANCE/STORAGE																														
11	PARK MAINT YARD		1												1		1	1	1	1		2							2	
13	STORAGE-Ballfields / Tennis		2												1		1	1	1		4							2		
10	STORAGE-CRC-West		2												1		1	1	1		0							2		

*	
R	Repair or Update Existing Facility to Current City Standards
E	Update and Expand Capacity of Facility to Current City Standards
N	New Facility
M	Move

**	
CF	Currently City Funded Project
GF	Currently Funded Through Grant or Other
NF	Project Not Funded

CS	Construction

	Includes Restrooms, Multi Purpose Club

B. Cost Estimate

The Cost Estimate for each project assumes:

1. Unit cost of each line item includes material and installation based on 2019 prices and the City Cost Index of 1.4 (as recommended by Currie & Brown) in the South Bay Area.
2. Direct Construction Cost includes:
 - Construction Contingency - Covers the cost of unknowns directly related to construction.
 - Mobilization and General Conditions - Covers the cost of setup, temporary construction facilities, waste disposal, etc.
 - Bonding - Covers the cost of payment and performance bonds.
 - Insurance - Covers the cost of builder's risk insurance.
3. Administration and Permitting Cost includes:
 - Design and Engineering - Covers

the cost of fees associated with design.

- Community Design Coordination
 - Covers the cost associated with public involvement in the design process.
- Design and Unknown Factor Contingency (follows the City of Santa Clara Public Works Guidance for the "Core of Unknown" factor)
 - Covers the costs of unknowns related to the design process and will reduce in value at each stage of design: Program estimate = 35%; Preliminary Estimate = 20%; Budget Estimate = 10%; Engineer's Estimate = 5%.
- Permits and Fees
- City Administration Fee - Covers the cost associated with overall management of design and construction.
4. Each project replaces all site amenities (picnic tables, B.B.Qs, trash receptacles, bike racks,

drinking fountains, etc.) Final selection of site amenities should consider life cycle and maintenance costs.

Each project should ADD:

1. The estimate includes the cost for stormwater treatment on projects that create and/or replace 10,000 square feet (5,000 square feet for uncovered parking lot) or more of impervious surface to comply with Provision C.3. The stormwater treatment area is 4% of the assumed impervious area of each project. If in the final design, the improvement area for any project exceeds the assumption of impervious surface area, additional stormwater treatment costs must be added.
- The estimate assumes a 3.85% annual compound escalation rate for the project. An additional of 3.85% per year from 2019 should be added to identify project total cost.

5. Appendices

Table 5-2 Project Estimate Summary

PLAN YEAR	Project Year 1-5	2019 Project Estimate	Cost Escalation at Mid-Point of Construction Year	Escalation Rate	Total Cost Estimate at Mid-Point
2020	Arbor Center Area	\$11,767,492	2022	13.44%	\$13,349,043
2021	Park Entrance at Kieley/Kaiser	\$2,175,530	2023	17.81%	\$2,562,992
2022	Saratoga Creek Connector Trail (West)	\$1,184,031	2023	17.81%	\$1,394,907
2024	Aquatic Center Planning & Design	\$1,956,407	2025	27.05%	\$2,485,615
	TOTAL	\$17,083,460			\$19,792,557
PLAN YEAR	Project Year 6-10	Project Cost			Project Cost
2025	Aquatic Center Master Plan and 50-Meter Multi-Use Pool (Phase 1)	\$8,305,627	2026	31.94%	\$10,958,444
2026	Pavilion Area Renovation	\$2,040,885	2028	42.30%	\$2,904,179
2027	Tennis Court & Saratoga Creek Connector Trail (East)	\$4,654,660	2029	47.78%	\$6,878,657
2028	Lake Renovation	\$3,042,916	2029	47.78%	\$4,496,821
2028	Maintenance Yard	\$2,568,685	2029	47.78%	\$3,796,003
2028	New Aquatic Center (Phase 2) - Continued Design	\$3,566,331	2029	47.78%	\$5,270,324
	TOTAL	\$24,179,104			\$34,304,428
PLAN YEAR	Project Year 11-20	Project Cost			Project Cost
2030	New Aquatic Center (Phase 2) - Construction	\$20,357,808	2031	53.47%	\$31,243,128
2030	CRC Renovation and Gynasium	\$16,063,754	2034	78.50%	\$28,673,801
2032	Event Lawn Area	\$13,173,760	2034	78.50%	\$23,515,162
2035	Fatjo Fields Improvements	\$13,683,214	2037	99.92%	\$27,355,481
2037	Multi-Use Club House and Lawn Bowls Improvements	\$2,241,000	2039	115.61%	\$4,831,820
	TOTAL	\$65,519,536			\$115,619,392
	GRAND TOTAL	\$106,782,100			\$169,716,377

Table 5-2 Project Estimate Summary

Note: See beginning of Appendix B for cost assumptions

Table 5-3 Arbor Center Area

	CONTRACT ITEMS	UNIT	TOTAL QTY	UNIT PRICE	TOTAL PRICE
	Group Picnic 1 and 2 West	LS	1	\$ 80,000.00	\$ 80,000.00
	Demo Existing Playground	LS	1	\$ 52,000.00	\$ 52,000.00
	Arbor Playground - All abilities/inclusive playground	LS	1	\$ 3,500,000.00	\$ 3,500,000.00
	Arbor Center Restroom Renovation	LS	1	\$ 220,000.00	\$ 220,000.00
	Arbor Center Renovation	LS	1	\$ 200,000.00	\$ 200,000.00
	Site Lighting	EA	47	\$ 7,500.00	\$ 352,500.00
	Underground Utility Upgrade	LS	1	\$ 200,000.00	\$ 200,000.00
	Stormwater Treatment Area	SF	3,525	\$ 175.00	\$ 616,875.00
	AC Paving for parking lot	SF	63,615	\$ 6.00	\$ 381,690.00
	Concrete path connection	SF	2,650	\$ 15.00	\$ 39,750.00
	Curb Repari/Replacement	LF	200	\$ 20.00	\$ 4,000.00
	Striping and Signage	LS	1	\$ 70,000.00	\$ 70,000.00
	<i>Direct Construction Cost (Subtotal)</i>				\$5,716,815
	Construction Contingency - 10%				\$571,682
	Mobilization and General Condition - 10.5%				\$600,266
	Bonding - 1.5%				\$85,752
	Insurance - 2%				\$114,336
A	<i>Direct Construction Cost (Total)</i>				\$7,088,851
	Design and Engineering - 10%				\$708,885
	Community Design Coordination - 5%				\$354,443
	Design + Unknown Factor Contingency - 35%				\$2,481,098
	Permits and Fees - 1%				\$70,889
	City Administration Fee - 15% (project management, inspections, construction management)				\$1,063,328
B	<i>Total Administration and Permitting Cost</i>				\$4,678,641
A+B	<i>TOTAL PROJECT COST</i>				\$11,767,492
	<i>Optional - New Restroom (4-6 stalls)</i>	LS	1	\$ 650,000.00	\$ 650,000.00

Table 5-3 Arbor Center Area

Note: See beginning of Appendix B for cost assumptions

5. Appendices

Table 5-4 Park Entry at Kiely/Kaiser

	CONTRACT ITEMS	UNIT	TOTAL QTY	UNIT PRICE	TOTAL PRICE
	Repair and Enhance Veteran's Memorial	LS	1	\$ 58,500.00	\$ 58,500.00
	Path/Hardscape	SF	8,000	\$ 15.00	\$ 120,000.00
	Surface Parking (39 spaces)	LS	1	\$ 200,000.00	\$ 200,000.00
	Vehicualr Paving and Drive Aisle (AC paving)	SF	9,700	\$ 11.00	\$ 106,700.00
	Planting/Irrigaiton	SF	7,500	\$ 10.00	\$ 75,000.00
	Site Amenities	LS	1	\$ 45,000.00	\$ 45,000.00
	Site Lighting	EA	15	\$ 7,500.00	\$ 112,500.00
	Underground Utility Upgrade	LS	1.00	\$ 50,000.00	\$ 50,000.00
	Stormwater Treament Area	SF	1,476	\$ 175.00	\$ 258,300.00
	<i>Direct Construction Cost (Subtotal)</i>				\$1,026,000
	Construction Contingency - 10%				\$102,600
	Mobilization and General Condition - 10.5%				\$107,730
	Bonding - 1.5%				\$15,390
	Insurance - 2%				\$20,520
A	<i>Direct Construction Cost (Total)</i>				\$1,272,240
	Design and Engineering - 15%				\$190,836
	Community Design Coordination - 5%				\$63,612
	Design/Unknown Factor Contingency - 35%				\$445,284
	Permits and Fees - 1%				\$12,722
	City Administration Fee - 15% (project management, inspections, construction management)				\$190,836
B	<i>Total Administration and Permitting Cost</i>				\$903,290
A+B	<i>TOTAL PROJECT COST</i>				\$2,175,530

Table 5-4 Park Entry at Kiely/Kaiser

Note: See beginning of Appendix B for cost assumptions

Table 5-5 Saratoga Creek Connector Trail (West)

	CONTRACT ITEMS	UNIT	TOTAL QTY	UNIT PRICE	TOTAL PRICE
	Creek Spur Trail (AC paving/site demo/prep/grading)	SF	15,400	\$ 8.00	\$ 123,200.00
	Site Lighting	EA	22	\$ 7,500.00	\$ 165,000.00
	Storm Water Treatment Area	SF	616	\$ 175.00	\$ 107,800.00
	Site preparaton/grading	SF	26,400	\$ 3.50	\$ 92,400.00
	Planting/Irrigation/TreeMitigation	LS	1	\$ 50,000.00	\$ 50,000.00
	Site Amenities	LS	1	\$ 20,000.00	\$ 20,000.00
	<i>Direct Construction Cost (Subtotal)</i>				\$558,400
	Construction Contingency - 10%				\$55,840
	Mobilization and General Condition - 10.5%				\$58,632
	Bonding - 1.5%				\$8,376
	Insurance - 2%				\$11,168
A	<i>Direct Construction Cost (Total)</i>				\$692,416
	Design and Engineering - 15%				\$103,862
	Community Design Coordinaton - 5%				\$34,621
	Design/Unknown Factor Contingency - 35%				\$242,346
	Permits and Fees - 1%				\$6,924
	City Administration Fee - 15% (project management, inspections, construction management)				\$103,862
B	<i>Total Administration and Permitting Cost</i>				\$491,615
A+B	<i>TOTAL PROJECT COST</i>				\$1,184,031

Table 5-5 Saratoga Creek Connector Trail (West)
 Note: See beginning of Appendix B for cost assumptions

5. Appendices

Table 5-6 Aquatic Center Master Plan and 50-Meter Multi-Use Pool (Phase 1)

	CONTRACT ITEMS	UNIT	TOTAL QTY	UNIT PRICE	TOTAL PRICE
	50 Meter Multi-Use Pool	LS	1	\$ 2,470,640.00	\$ 2,470,640.00
	Pool Building	LS	1	\$ 625,000.00	\$ 625,000.00
	Pool MEP	LS	1	\$ 500,000.00	\$ 500,000.00
	Site Flat Work	SF	20,664	\$ 20.00	\$ 413,280.00
	Pool patio furnishing	LS	1	\$ 50,000.00	\$ 50,000.00
	Storm Water Treatment Area	SF	827	\$ 175.00	\$ 144,725.00
	Site Lighting	EA	12	\$ 7,500.00	\$ 90,000.00
	<i>Direct Construction Cost (Subtotal)</i>				\$4,293,645
	Construction Contingency - 10%				\$429,365
	Mobilization and General Condition - 10.5%				\$450,833
	Bonding - 1.5%				\$64,405
	Insurance - 2%				\$85,873
A	<i>Direct Construction Cost (Total)</i>				\$5,324,120
	Design and Engineering - 20%				\$1,064,824
	Community Design Coordination - 5%				\$266,206
	Design/Unknown Factor Contingency - 35%				\$1,863,442
	Permits and Fees - 1%				\$53,241
	City Administration Fee - 15% (project management, inspections, construction management)				\$798,618
B	<i>Total Administration and Permitting Cost</i>				\$4,046,331
A+B	<i>TOTAL PROJECT COST</i>				\$9,370,451
C	<i>Phase 1 Planning and Design (80% of Design/Engineering/Community Coordination)</i>				\$1,064,824
D	<i>Phase 2 Planning and Design (20% of Design/Engineering/Community Coordination)</i>				\$891,583
E	<i>Pre-Planning/Design cost budgeted for Year 1-5 (Ph1+Ph2)</i>				\$1,956,407
F	<i>Remaining Budget for Year 6-10</i>				\$8,305,627

Note:

- Underground utilities are included as part of the pool and pool building cost.
- 20% of the "Design/Engineering/Community Design Coordination" cost from Aquatic Center Phase 1 & Phase 2 is budgeted in Year 1-5 for Aquatic Center Overall Design.

Table 5-6 Aquatic Center Master Plan and 50-Meter Multi-Use Pool (Phase 1)

Note: See beginning of Appendix B for cost assumptions

Table 5-7 Pavilion Area Renovation

	CONTRACT ITEMS	UNIT	TOTAL QTY	UNIT PRICE	TOTAL PRICE
	Pavilion Renovation	LS	1	\$ 300,000.00	\$ 300,000.00
	Restroom Renovation/Utility Upgrade	LS	1	\$ 250,000.00	\$ 250,000.00
	New Playground	LS	1	\$ 250,000.00	\$ 250,000.00
	Site Lighting	EA	15	\$ 7,500.00	\$ 112,500.00
	Site Amenities	LS	1	\$ 50,000.00	\$ 50,000.00
	<i>Direct Construction Cost (Subtotal)</i>				\$962,500
	Construction Contingency - 10%				\$96,250
	Mobilization and General Condition - 10.5%				\$101,063
	Bonding - 1.5%				\$14,438
	Insurance - 2%				\$19,250
A	<i>Direct Construction Cost (Total)</i>				\$1,193,500
	Design and Engineering - 15%				\$179,025
	Community Design Coordination - 5%				\$59,675
	Design and Unknown Factor Contingency - 35%				\$417,725
	Permits and Fees - 1%				\$11,935
	City Administration Fee - 15% (project management, inspections, construction management)				\$179,025
B	<i>Total Administration and Permitting Cost</i>				\$847,385
A+B	<i>TOTAL PROJECT COST</i>				\$2,040,885

Table 5-7 Pavilion Area Renovation

Note: See beginning of Appendix B for cost assumptions

5. Appendices

Table 5-8 Tennis Courts & Saratoga Creek Connector Tail (East)

	CONTRACT ITEMS	UNIT	TOTAL QTY	UNIT PRICE	TOTAL PRICE
	Reconfigure 4 tennis courts	LS	1	\$ 530,000.00	\$ 530,000.00
	Tennis Court Field House Renovation/Utility upgrade	LS	1	\$ 250,000.00	\$ 250,000.00
	New Building (Concession, Command Center, Multi-use R	LS	1	\$ 500,000.00	\$ 500,000.00
	New Bleachers	EA	2	\$ 25,000.00	\$ 50,000.00
	New Gathering Plaza	SF	15,000	\$ 18.00	\$ 270,000.00
	Shade Structure	EA	1	\$ 100,000.00	\$ 100,000.00
	Stormwater Treatment Area	SF	600	\$ 175.00	\$ 105,000.00
	Site Lighting	EA	25	\$ 7,500.00	\$ 187,500.00
	Site Amenities	LS	1	\$ 25,000.00	\$ 25,000.00
	Creek Trail East (AC Trail)	SF	15,960	\$ 8.00	\$ 127,680.00
	Planting/Irrigation/Tree mitigation	LS	1	\$ 50,000.00	\$ 50,000.00
	<i>Direct Construction Cost (Subtotal)</i>				\$2,195,180
	Construction Contingency - 10%				\$219,518
	Mobilization and General Condition - 10.5%				\$230,494
	Bonding - 1.5%				\$32,928
	Insurance - 2%				\$43,904
A	<i>Direct Construction Cost (Total)</i>				\$2,722,023
	Design and Engineering - 15%				\$408,303
	Community Design Coordination - 5%				\$136,101
	Design and Unknown FactorContingency - 35%				\$952,708
	Permits and Fees - 1%				\$27,220
	City Administration Fee - 15% (project management, inspections, construction management)				\$408,303
B	<i>Total Administration and Permitting Cost</i>				\$1,932,636
A+B	<i>TOTAL PROJECT COST</i>				\$4,654,660

OPTIONAL				
Underground Parking Garage	LS	1	\$ 6,289,538.00	\$ 6,289,538.00
New Tennis Courts on top of parking garage	LS	1	\$ 1,232,000.00	\$ 1,232,000.00

Table 5-8 Tennis Courts & Saratoga Creek Connector Trail (East)

Note: See beginning of Appendix B for cost assumptions

Table 5-9 Lake Renovation

	CONTRACT ITEMS	UNIT	TOTAL QTY	UNIT PRICE	TOTAL PRICE
	Lake Renovation/Utility Upgrades	LS	1	\$ 500,000.00	\$ 500,000.00
	Existing path demolition	SF	12,000	\$ 5.00	\$ 60,000.00
	New path	SF	10,050	\$ 18.00	\$ 180,900.00
	New planting buffer zone	SF	26,900	\$ 10.00	\$ 269,000.00
	Stormwater treatment area	SF	402	\$ 175.00	\$ 70,350.00
	Site lighting	EA	18	\$ 7,500.00	\$ 135,000.00
	Site Amenities	LS	1	\$ 75,000.00	\$ 75,000.00
	<i>Direct Construction Cost (Subtotal)</i>				\$1,290,250
	Construction Contingency - 20%				\$258,050
	Mobilization and General Condition - 10.5%				\$135,476
	Bonding - 1.5%				\$19,354
	Insurance - 2%				\$25,805
A	<i>Direct Construction Cost (Total)</i>				\$1,728,935
	Design and Engineering - 20%				\$345,787
	Community Design Coordination - 5%				\$86,447
	Design and Unknown Factor Contingency - 35%				\$605,127
	Permits and Fees - 1%				\$17,289
	City Administration Fee - 15% (project management, inspections, construction management)				\$259,340
B	<i>Total Administration and Permitting Cost</i>				\$1,313,991
A+B	<i>TOTAL PROJECT COST</i>				\$3,042,926

Table 5-9 Lake Renovation

Note: See beginning of Appendix B for cost assumptions

5. Appendices

Table 5-10 Maintenance Yard

	CONTRACT ITEMS	UNIT	TOTAL QTY	UNIT PRICE	TOTAL PRICE
	Renovate existing buildings	LS	1	\$ 500,000.00	\$ 500,000.00
	Paving repair/parking lot reconfiguration	LS	1	\$ 300,000.00	\$ 300,000.00
	Underground Utility Upgrade	LS	1.00	\$ 100,000.00	\$ 100,000.00
	Stormwater Treatment Area	SF	1,240	\$ 175.00	\$ 217,000.00
	Site Lighting	EA	8	\$ 7,500.00	\$ 60,000.00
	<i>Direct Construction Cost (Subtotal)</i>				\$1,177,000
	Construction Contingency - 10%				\$117,700
	Mobilization and General Condition - 10.5%				\$123,585
	Bonding - 1.5%				\$17,655
	Insurance - 2%				\$23,540
A	<i>Direct Construction Cost (Total)</i>				\$1,459,480
	Design and Engineering - 10%				\$291,896
	Community Design Coordination - 5%				\$72,974
	Design and Unknown Factor Contingency - 35%				\$510,818
	Permits and Fees - 1%				\$14,595
	City Administration Fee - 15% (project management, inspections, construction management)				\$218,922
B	<i>Total Administration and Permitting Cost</i>				\$1,109,205
A+B	<i>TOTAL PROJECT COST</i>				\$2,568,685

Table 5-10 Maintenance Yard

Note: See beginning of Appendix B for cost assumptions

Table 5-11 New Aquatic Center (Phase 2)

	CONTRACT ITEMS	UNIT	TOTAL QTY	UNIT PRICE	TOTAL PRICE
	Competitive Pool (including equipment/MEP)	LS	1	\$ 2,470,640.00	\$ 2,470,640.00
	Diving Pool Bleachers	LS	1	\$ 50,000.00	\$ 50,000.00
	Platform Diving Tower	LS	1	\$ 75,000.00	\$ 75,000.00
	Administration offices (including utility upgrade)	LS	1	\$ 800,000.00	\$ 800,000.00
	Community Pool	LS	1	\$ 950,000.00	\$ 950,000.00
	Bleachers	LS	1	\$ 180,000.00	\$ 180,000.00
	New CRC/Pool Entry Drive/Drop-off	SF	10,000	\$ 40.00	\$ 400,000.00
	Site Work	LS	1	\$ 2,658,000.00	\$ 2,658,000.00
	Parking Garage (170 spaces)	LS	1	\$ 4,080,000.00	\$ 4,080,000.00
	Sports Courts top of Parking Garage	LS	1	\$ 320,000.00	\$ 320,000.00
	Storm Water Treatment Area	LS	1	\$ 930,300.00	\$ 930,300.00
	Direct Construction Cost (Subtotal)				\$11,983,640
	Construction Contingency - 10%				\$1,198,364
	Mobilization and General Condition - 10.5%				\$1,258,282
	Bonding - 1.5%				\$179,755
	Insurance - 2%				\$239,673
A	Direct Construction Cost (Total)				\$14,859,714
	Design and Engineering - 20%				\$2,971,943
	Community Design Coordination - 10%				\$1,485,971
	Design/Unknown Factor Contingency - 35%				\$5,200,900
	Permits and Fees - 1%				\$148,597
	City Administration Fee - 15% (project management, inspections, construction management)				\$148,597
B	Total Administration and Permitting Cost				\$9,956,008
A+B	TOTAL PROJECT COST				\$24,815,722
C	Pre-planning/Design cost budgeted in Year 1-5				\$891,583
	20% of Design/Engineering + Community Design Coordination Cost				
D	Remaining planning/Design cost budgeted in Year 6-10				\$3,566,331
	80% of Design/Engineering + Community Design Coordination Cost				
E	Remaining Budget for Year 11-20				\$20,357,808

Note:

- 20% of the "Design/Engineering/Community Design Coordination" cost is budgeted in Year 1-5 for the overall Aquatic Center planning.
- 80% of the "Design and Engineering/Community Design Coordination" cost is budgeted in Year 6-10 for construction documents preparation.

Table 5-11 New Aquatic Center (Phase 2)

Note: See beginning of Appendix B for cost assumptions

5. Appendices

Table 5-12 CRC Renovation and Gymnasium

	CONTRACT ITEMS	UNIT	TOTAL QTY	UNIT PRICE	TOTAL PRICE
	Stie Demolition	LS	1	\$ 81,000.00	\$ 81,000.00
	CRC Renovation	LS	1	\$ 2,986,500.00	\$ 2,986,500.00
	Gymnasium (16,200 SF)/Utility Upgrades	LS	1	\$ 4,200,000.00	\$ 4,200,000.00
	Hardscape	SF	13,500	\$ 15.00	\$ 202,500.00
	West Meadow Upgrade	SF	36,000	\$ 4.00	\$ 144,000.00
	Stormwater Treatment Area	SF	300	\$ 175.00	\$ 52,500.00
	Site Lighting	EA	15	\$ 7,500.00	\$ 112,500.00
	Site Amenities	LS	1	\$ 25,000.00	\$ 25,000.00
	<i>Direct Construction Cost (Subtotal)</i>				\$7,804,000
	Construction Contingency - 10%				\$780,400
	Mobilization and General Condition - 10.5%				\$819,420
	Bonding - 1.5%				\$117,060
A	Insurance - 2%				\$156,080
	<i>Direct Construction Cost (Total)</i>				\$9,676,960
	Design and Engineering - 10%				\$967,696
	Community Design Coordination - 5%				\$483,848
	Design/Unknown Factor Contingency - 35%				\$3,386,936
	Permits and Fees - 1%				\$96,770
B	City Administration Fee - 15% (project management, inspections, construction management)				\$1,451,544
	<i>Total Administration and Permitting Cost</i>				\$6,386,794
A+B	<i>TOTAL PROJECT COST</i>				\$16,063,754

Table 5-12 CRC Renovation and Gymnasium

Note: See beginning of Appendix B for cost assumptions

Table 5-13 Event Lawn Area

	CONTRACT ITEMS	UNIT	TOTAL QTY	UNIT PRICE	TOTAL PRICE
	Demolition (including ISC demolition)	SF	128,000	\$ 15.00	\$ 1,920,000.00
	Lawn	SF	195,000	\$ 6.00	\$ 1,170,000.00
	Planting Area (Trees/Shrubs/Groundcover)	SF	30,000	\$ 10.00	\$ 300,000.00
	Path/Hardscape	SF	75,000	\$ 15.00	\$ 1,125,000.00
	Overflow Parking Area	SF	26,000	\$ 10.00	\$ 260,000.00
	Clubhouse and Restroom Facility	LS	1	\$ 550,000.00	\$ 550,000.00
	Underground Utility Upgrade	LS	1.00	\$ 100,000.00	\$ 100,000.00
	Stormwater Treatment Area	SF	3,000.00	\$ 175.00	\$ 525,000.00
	Site Lighting	EA	50.00	\$ 7,500.00	\$ 375,000.00
	Site Amenities	LS	1	\$ 75,000.00	\$ 75,000.00
	<i>Direct Construction Cost (Subtotal)</i>				\$6,400,000
	Construction Contingency - 10%				\$640,000
	Mobilization and General Condition - 10.5%				\$672,000
	Bonding - 1.5%				\$96,000
	Insurance - 2%				\$128,000
A	<i>Direct Construction Cost (Total)</i>				\$7,936,000
	Design and Engineering - 10%				\$793,600
	Community Design Coordination - 5%				\$396,800
	Design and Unknown Factor Contingency - 35%				\$2,777,600
	Permits and Fees - 1%				\$79,360
	City Administration Fee - 15% (project management, inspections, construction management)				\$1,190,400
B	<i>Total Administration and Permitting Cost</i>				\$5,237,760
A+B	<i>TOTAL PROJECT COST</i>				\$13,173,760

Table 5-13 Event Lawn Area

Note: See beginning of Appendix B for cost assumptions

5. Appendices

Table 5-14 Fatjo Fields Improvements

	CONTRACT ITEMS	UNIT	TOTAL QTY	UNIT PRICE	TOTAL PRICE
	New Synthetic Turf	SF	292,500	\$ 14.00	\$ 4,095,000.00
	Underground Utility Upgrade	LS	1.0	\$ 100,000.00	\$ 100,000.00
	Storm Water Treatment Area	LS	1.0	\$ 2,047,500.00	\$ 2,047,500.00
	Sports lighting upgrade	EA	12	\$ 25,000.00	\$ 300,000.00
	New Entry Plaza	SF	1,500	\$ 20.00	\$ 30,000.00
	Stie Amenities	LS	1	\$ 50,000.00	\$ 50,000.00
	Storage under bleacher	LS	1	\$ 25,000.00	\$ 25,000.00
	<i>Direct Construction Cost (Subtotal)</i>				\$6,647,500
	Construction Contingency - 10%				\$664,750
	Mobilization and General Condition - 10.5%				\$697,988
	Bonding - 1.5%				\$99,713
	Insurance - 2%				\$132,950
A	<i>Direct Construction Cost (Total)</i>				\$8,242,900
	Design and Engineering - 10%				\$824,290
	Community Design Coordination - 5%				\$412,145
	Design/Unknown Factor Contingency - 35%				\$2,885,015
	Permits and Fees - 1%				\$82,429
	City Administration Fee - 15% (project management, inspections, construction management)				\$1,236,435
B	<i>Total Administration and Permitting Cost</i>				\$5,440,314
A+B	<i>TOTAL PROJECT COST</i>				\$13,683,214

Table 5-14 Fatjo Fields Improvements

Note: See beginning of Appendix B for cost assumptions

Table 5-15 Multi-Use Club House and Lawn Bowls Improvements

	CONTRACT ITEMS	UNIT	TOTAL QTY	UNIT PRICE	TOTAL PRICE
	Allowance for Multi-Use Club House and Lawn Bowls Improvements	LS	1		\$ 1,350,000.00
	Direct Construction Cost (Subtotal)				\$1,350,000
	Construction Contingency - 10%				
	Mobilization and General Condition - 10.5%				
	Bonding - 1.5%				
	Insurance - 2%				
A	Direct Construction Cost (Total)				\$1,350,000
	Design and Engineering - 10%				\$135,000
	Community Design Coordination - 5%				\$67,500
	Design/Unknown Factor Contingency - 35%				\$472,500
	Permits and Fees - 1%				\$13,500
	City Administration Fee - 15% (project management, inspections, construction management)				\$202,500
B	Total Administration and Permitting Cost				\$891,000
A+B	TOTAL PROJECT COST				\$2,241,000

Table 5-15 Multi-Use Club House and Lawn Bowls Improvements

Note: See beginning of Appendix B for cost assumptions

5. Appendices

C. Review of Literature

The Central Park Master Plan 2020 reviewed previous studies, project analyses, research and information related to Central Park. The list below provides an overview of the previous work.

1. Santa Clara Sports Complex Needs Assessment & Feasibility Study (Verde Design Inc., August 2013).

A Youth Sports Complex Concept Plan was developed to provide a cohesive visual representation or illustration of the City's youth sports' needs over the life of the General Plan 2010-2035. A variety of needs were identified, including additional field space (16 acres), a gymnasium (45,000 sq. feet), tennis courts (9), associated storage for athletic facilities, adequate parking and for future needs based on population and user growth projections. Some of the athletic facilities have since been commissioned for the Reed & Grant Streets Sports Complex.

2. Aquatic Program & Feasibility Study (The Sports Management Group, June 2014)

The Sports Management Group studied the programs and operations of the International Swim Center (ISC) and Community Recreation Center (CRC), developed a business plan for a future combined CRC-ISC, and studied the potential viability of the proposed ISC-CRC project.

3. Land Survey & Related Services Report. (Sandis Civil Engineers Surveyors Planners, June 2015)

Sandis completed a comprehensive land survey (topographical, legal boundary, utilities) and related services for both the East/Southern Parcel (APN 290-29-009) which includes the existing ISC site, the Pavilion Parking Lot, and the Saratoga Creek Trail; and, the West/Northern Parcel (APN 290-26-29) along Kiely Blvd. The Santa Clara Valley Water District's Saratoga Creek bisects the two parcels. Both land and aerial surveys were performed.

4. Geotechnical Investigation (Murray Engineers Inc., July 2015)

In July of 2015, Murray Engineers provided a geotechnical report of the proposed International Swim Center and Community Recreation Center Project site on the West parcel of Central Park. The project site encompassed roughly a six-acre area along the western parcel of Central Park. The report included soil boring profile and analyses.

5. Phase 1 Environmental Site Assessment (AEI Consultants, August 2015)

An Environmental Review/Initial Study, for ELS Architecture and Urban Design, 2016. (File Numbers: CEQ2015-01189 (IS/MND)/ PLN2015-10939 (Architectural Review), AEI Consultants performed the Phase 1 Environmental Assessment.

6. Tree Report (HortScience & Bartlett Consultants, September 2015).

Provided a tree report as part of an Environmental Review and Initial Study

for the proposed ISC-CRC project, contractor provided information to ELS Architecture and Urban Design, 2016. (File Numbers: CEQ2015-01189 (IS/MND)/ PLN2015-10939 (Architectural Review).

7. Traffic Impact Assessment (Hexagon Transportation Consultants, Inc., December 2015).

Hexagon Transportation Consultants submitted a traffic study in coordination with the Initial Environmental Study on a proposed Community Recreation Center and International Swim Center project designed by ELS Architecture and Urban Design, 2016. (File Numbers: CEQ2015-01189 (IS/MND)/ PLN2015-10939 (Architectural Review). The study identified traffic impacts of the new project, along with current parking needs compared to future parking needs that may have been needed as part of the project.

8. Air Quality Assessment Report (Illingworth & Rodkin, Inc., January 2016).

Air Quality Assessment conducted as part of the Environmental Review Initial Study for the ISC-CRC project designed by ELS Architecture and Urban Design, 2016 (File Numbers: CEQ2015-01189 (IS/MND)/ PLN2015-10939 (Architectural Review).

9. Noise & Vibration Assessment Report (Illingworth & Rodkin, January 2016).

As part of the Environmental Review Initial Study, for the ISC / CRC project (ELS Architecture and Urban Design, 2016) (File Numbers: CEQ2015-01189 (IS/MND)/ PLN2015-10939 (Architectural Review), Illingsworth & Rudkin performed a Noise & Vibration Assessment

10. Sanitary Sewer Capacity Study (RMC Water & Environment) January 2016 Re: CRC-ISC-ISHOF Project.

Sanitary Sewer Capacity study as part of the Environmental Review Initial Study, for the IS-CRC project completed by ELS Architecture and Urban Design, 2016

(File Numbers: CEQ2015-01189 (IS/MND)/ PLN2015-10939 (Architectural Review). RMC evaluated the potential sanitary sewer capacity impact of the proposed International Swimming Center using an updated sanitary sewer hydraulic model.

11. Initial Environmental Study (David J. Powers & Associates, September 2016).

David J. Powers & Associates completed an Initial Study of the ELS Architecture and Urban Design, 2016 proposed project (File Numbers: CEQ2015-01189 (IS/MND)/ PLN2015-10939 (Architectural Review) which would have allowed the development of a new 171,650 square foot combined ISC and CRC facility, and associated parking on the west side of Central Park, fronting Kiely Boulevard. The proposal included the demolition of the existing ISC and CRC facilities. Council approved the Mitigated Negative Declaration, by Resolution No. 16-8365 on September 20, 2016.

5. Appendices

12. Saratoga Creek Trail Homeridge to Central Park Initial Environmental Study (David J. Powers & Associates, December 2016).

David J. Powers & Associates performed an Initial Environmental Study and Mitigated Negative Declaration (MND) for the Saratoga Creek Trail—Homeridge Park to Central Park Project [CE15-16-09, CEQ2016-01016], an approximately 0.4 miles bicycle and pedestrian trail, adjacent to Saratoga Creek between Homeridge Park and Central Park

13. Facility Condition Assessment Report (Kitchell CEM, April 2017).

Kitchell CEM performed Facility Condition Assessments for all Parks and Recreation Department facilities, including 47 park sites/areas and 65 buildings, including Central Park. The purpose of this assessment was to: inventory all Parks & Recreation assets for use in the City's Enterprise Asset Management System/Geographic Information System database for use in a work order system; assess

asset conditions; identify any current deficiencies of the assets inventoried; determine the costs of repair and/or replacement of the current deficiencies; forecast anticipated future necessary renewals and costs for site systems over a 20-year life cycle; assist the City in preventive maintenance planning and Capital Improvement Project (CIP) budget planning

14. Various Central Park Maps (City of Santa Clara GIS, February 2018).

The City GIS team produced maps that illustrated the Building Condition Index (BCI) and Park Condition Index (PCI) for Central Park facilities.

15. Santa Clara ISC/CRC Massing Study (Perkins & Will Global, June 2018).

During the ISC-CRC funding feasibility study, Project Finance Advisory Limited (PFAL) engaged Perkins & Will to study and provide "lower cost" schematic design options for a more feasible project.

16. Evaluation of Potential Funding Strategies (PFAL, August 2018).

PFAL provided financial advisory and project management services related to the development and evaluation of potential financial strategies and funding capacity/options for a new ISC, CRC and International Swimming Hall of Fame, and related parking in Central Park. The ISC-CRC-ISHOF 2016 design was found not to be financially feasible.

17. Park Amenity & Design Standards (City of Santa Clara Park & Recreation Department, 2019).

The Department of Parks & Recreation provides design standards that identify the standard amenities and elements found in the City of Santa Clara park system. These are used by landscape architects, grounds maintenance staff, and others. These include product types, materials, installation and best practices.

18. Playground and Play Standards (City of Santa Clara, Parks & Recreation Department, 2019).

The City of Santa Clara has adopted playground and play standards that use research based best practices and comply with current codes. The standards: a) incorporate principles of inclusive playground design in the individual elements and the overall playground environmental design, b) provide "age friendly" (multigenerational) spaces, c) integrate nature and habitat (California natives, drought resistant plants) into play environments, d) provide outreach/ education and master planning with residents and community partners, e) incorporate seven elements of play (balancing, swinging, sliding, climbing, brachiating spinning, running/free play), f) address safe routes to parks (system connectivity) and Federal ADA requirements, g) provide measurable desired outcomes (such as health/ fitness), and h) require sustainability (in materials, construction, operations and lifecycle maintenance).

19. Parks for Inclusion – Guidelines for Developing and Inclusion Policy (National Recreation and Parks Association, 2017).

This NRPA authored handbook on developing inclusion policies that support facilities that are inclusive of all abilities, ethnicities and ages. The document serves as a cornerstone to park and facility design.

20. Increasing Park Accessibility in the City of Santa Clara (Santa Clara University Environmental Studies and Sciences Department, 2019).

Santa Clara University graduate students studied park accessibility for Central Park, Annex Park and Homeridge Park and provided recommendations.

21. Central Park Master Plan Project Cost Review (Currie & Brown, August 2019).

Currie & Brown reviewed initial project cost estimates for all proposed projects included in the Central park Master Plan

and verified or recommended changes based on sound methodology their recommendations are incorporated into the plan.

22. Central Park Master Plan Environmental Considerations (David J. Powers & Associates, August 2019).

David J. Powers & Associates reviewed the Central Park Master Plan and potential environmental considerations.

5. Appendices

D. Project Development Timeline 2016-2019

September 20, 2016, Council adopted Resolution No. 16-8365 to allow for the development of a new International Swim Center (ISC) & Community Recreation Center (CRC), inclusive of the International Swimming Hall of Fame and associated parking in Central Park (Project).

On October 25, 2016, Council held a study session to review the potential use of a "public private partnership" to design, construct, maintain, operate and finance the Project. Council referred the study of potential Project funding scenarios to determine which may be the best fit for the City and Project, have the most resident support, the greatest likelihood of success and be best positioned for raising private and public capital investment.

On April 4, 2017, Council approved an Agreement with Project Finance Advisory, Limited (PFAL) to provide financial advisory, capital campaign, public opinion research, and project management services for Capital improvement Project #3172 as well as separately approved an agreement with Kitchell/CEM, Inc., to provide a Facility Condition Assessment and Capital Planning report for Parks & Recreation facilities.

On July 18, 2017, during a Council Study Session possible funding mechanisms for the ISC/CRC by PFAL, Council highlighted the need for a "Central Park Master Plan" (Plan).

On August 22, 2017, Council referred to inclusion of the Central Park Lawn Bowls Clubhouse refurbishment in Central Park Master Plan.

On August 28, 2017, the City issued a Request for Proposal (RFP) for qualified professional teams with community outreach, park master planning/place-making, landscape, architectural design

and engineering experience to prepare a Central Park Master Plan that would guide future potential rehabilitation, improvement and/or expansion projects; seek to balance Central Park's current uses, historic character, and its' unique blend of passive parks and active recreational spaces with new proposed uses and/or facilities for community use.

September 1, 2017, Council referred a resident request for creek trail options to be included in the Central Park Master Plan.

October 2017, the City hired Gates and Associates to work with staff on the Central Park Master Plan.

October 2017 to 2019

Gates and Associates conducted community outreach, gathering information through a variety of methods. Noticing for community meetings included E-notify, City website, the City's social media channels, door hangers, flyers at park site and mailings to the neighborhood residents within a 1,000 foot radius of the park.

Community Outreach

- A. Community Meeting #1
October 18, 2017
Held at the Community
Recreation Center – 90
participants.
- B. Youth Focus Group – Youth
Advisory Commission.
- C. Event Booths – Sunset
Cinema, Oct. 2017
with 60 participants; Tree
Lighting Dec. 1, 2017 with 600+
participants.
- D. Online Survey
November 28-December 20, 2017
600 visitors and 276 respondents.
- E. Community Meeting # 2
Park and Recreation
Commission Meeting
Nov. 21, 2017
The Parks & Recreation
Commission received a Plan
update and community input.

Council Review

- A. March 22, 2018
the Parks & Recreation
Commission recommended the
Central Park Master Plan of
Guiding Principles.
- B. August 2018
City Council approved the
Central Park Master Plan
Guiding Principles and directed
staff to move forward with the
development of the Central Park
Master Plan.

Master Plan Draft Review

- A. Community Meeting #3
April 2019
Held at the Senior Center. The
Draft Master Plan and related
presentation were posted on the
City's Web page.
- B. June 2019, David J. Powers
& Associates reviewed

environmental considerations
related to proposed projects in the
Central Park Master Plan Draft.

- C. July 2019, Currie and Brown
reviewed cost estimates for the
proposed projects in the Central
Park Master Plan Draft.
- D. October 2019, Community
Survey to provide opportunity
for comment on the Central Park
Master Plan—Administrative
Draft.
- E. November 2019, Parks &
Recreation Commission Review
of Central Park Master Plan—
Administrative Draft.
- F. December 2019, potential Council
consideration of the Central Park
Master Plan—Administrative
Draft.

E. Central Park Preferred Plant Palette

Section 1 – General Information

The plant palette provides design guidelines and preferred plant species to be used in Central Park landscape improvements. These are consistent with and are taken from the City of Santa Clara Park & Recreation Department Facility Amenity & Design Standards. Along with other cities in Santa Clara County, on March 6, 2007, the City of Santa Clara adopted Reso. No. 07-7391, in support of a Water Resources Protection Collaborative Guidelines Manual produced by the Santa Clara Valley Water District. In conformance with the policy, the Central Park Master Plan took into consideration Valley Water guidelines for projects that are adjacent to riparian areas or natural meadows.

The plants recommended for use in

Central Park, as well as in the City's park system, conform to sustainable design principles for plant selection in that they are native plants or adapted to the climate of the City of Santa Clara, and have low water use and low maintenance requirements. In general, native plants and drought tolerant non-natives have been preferred, unless the cultural requirements dictate otherwise. Invasive plants found in the California Invasive Plant Council's (Cal-IPC) database have been excluded.

The plant list and guidelines are intended to assist in initial project design as well as park and plant life cycle maintenance. They are also used to guide donations, tree replacements, and volunteer landscaping projects. Considering the three distinct types of parks (Type 1, 2 or 3) within the City's park inventory, and the levels of maintenance required by particular species of plants, certain plants may be more appropriate than others for use in Central Park or other park conditions. Therefore, the plant list indicates which plant is appropriate for

use/maintenance in a specific park type (see Section 2.9 below). Central Park is a "Type 2", or "community park."

- Type 2. This consists of a broader array of landscape plants which may be used in the City's community parks (15 acres and up) and parks within a Community Facilities District (CFD), such as in the Lawrence Station Area parks.

1. DEFINITION

A. The purpose of this guideline is to establish standards for the landscape design and planting of trees, shrubs, perennials, groundcovers, vines, wetland plants, grasses, etc.

2. APPLICATION

A. This section includes the following:

1. Trees
2. Shrubs, Groundcovers and Vines
3. Outdoor Classroom and Garden Planting
4. Aquatic Plants

3. SELECTION CRITERIA

A. Industry Standards

1. American Standard for Nursery Stock
2. Baileys Hortus Third
3. ASTM Standards
4. Sunset Western Garden Book

4. SUBMITTALS

A. Samples for Verification

1. Each species of tree, shrub, vine and groundcover shall be tagged, submitted and approved before installation.

B. Contractor's Qualifications

1. Contractor shall be licensed to do business in the State of California and shall possess a City of Santa Clara business license.

C. Soils Testing

1. Contractor shall provide a complete soil test/analysis

showing soil texture, drainage characteristics, water holding capacity, nutrient levels and organic matter content with indication of all potentially harmful soil characteristics that would inhibit or prevent plant growth.

5. QUALITY ASSURANCE

A. Tree and Shrub Measurements

1. Measure according to Grades and Standards for Nursery Plants with branches and trunks in their normal position. Do not prune to obtain required sizes. Take measurements 6 inches above ground for trees up to 4-inch and 12-inches above ground for larger sizes.

6. DELIVERY STORAGE AND HANDLING

A. Deliver exterior plants in nursery containers or properly prepared with root ball protected against damage.

B. Root system shall be kept moist

until planting.

C. Do not prune trees and shrubs before delivery. Protect bark, branches and root system from sun scald, drying, sweating, whipping and tying damage. Do not bend or bind-tie trees or shrubs or destroy their natural shape.

D. Deliver exterior plants after preparations for planting have been completed and install immediately. If planting is delayed more than 6 hours after delivery, set exterior plants in shade, protect from weather and mechanical damage and keep root system moist.

E. Do not stage plants on hot pavement before planting.

7. WARRANTY

A. Warrant the exterior plants for the warranty period indicated against defects including death and unsatisfactory growth.

5. Appendices

1. Warranty period for trees, shrubs, and groundcover: One year from date of substantial completion.

2. Contractor shall be responsible for complete and proper planting supports installation layout, watering, fertilizing, and plant insecticides during warranty period.

sun scald, injuries, abrasions, and disfigurement.

B. Provide trees and shrubs of sizes and grades complying with ANSI Z60.1 for type of trees and shrubs required.

C. Label one exterior plant of each variety with a securely attached waterproof label with common name, scientific name, frequency of fertilization and frequency of watering.

D. Provide single stem trees with straight trunk, well-balanced crown and intact leader, of height and caliper indicated, complying with Grades and Standards for Nursery Plants for type of trees required.

1. Provide container grown trees.
2. Branching height shall be as specified.
3. Multi-stem trees shall be branched or pruned naturally to retain the natural form of the tree, with relationship of

caliper, height, and branching according to Grades and Standards for Nursery Plants.

2. GROUNDCOVER AND VINES

A. Provide groundcover of species indicated, established and well rooted in containers and complying with Grades and Standards for Nursery Plants.

B. Provide vines of species indicated complying with Grades and Standards for Nursery Plants. Vines shall be two – year plants with heavy well branched tops, with not less than three runners 18 – inches or more in length with a well-developed root system.

3. TOPSOIL

A. Topsoil shall be as described in ASTM D 5268, with pH range of 5.5 to 6.5, a minimum of 4 percent organic material content, free of stones and organic materials that are harmful to plant growth.

B. Reuse surface soil stockpiled

Section 2 – Products

1. TREE AND SHRUB MATERIAL

A. Furnish nursery container grown trees and shrubs complying with Grades and Standards for Nursery Plants, with healthy root systems. All other trees shall be approved by Landscape Architect prior to planting. Provide well shaped, fully branched, healthy, vigorous stock free of disease, insects, eggs, larvae, and defects such as knots,

on site. Clean surface soil of roots, stones, clay lumps, construction spoils, and materials that are harmful to plant growth.

C. Supplement with imported topsoil from offsite sources when quantities are insufficient. Obtain topsoil displaced from naturally well drained sites where topsoil occurs at least 4 inches deep. Do not obtain topsoil from bogs or marshes.

4. ORGANIC SOIL AMENDMENTS

A. Compost: Well composted, stable, weed free organic matter, pH range of 5.5 to 6.5; moisture content 35 to 55 percent by weight, 100 percent passing through $\frac{1}{2}$ inch sieve.

B. Peat: Finely divided or granular texture, with a pH range of 5.5 to 6.5, containing partially decomposed peat, native peat, or reed sedge peat having a water absorbing capacity of 1100 to 2000 percent.

5. FERTILIZER

A. Commercial grade complete fertilizer

of neutral character consisting of slow release nitrogen, 50 percent derived from natural organic sources of urea formaldehyde, phosphorous and potassium. Fertilizer shall correspond to results of soils test and shall include minor elements.

6. MULCHES

A. Mulch shall be native materials and 100 percent organic.

7. STAKES AND GUYS

A. Upright stakes and guys, rough sawn, sound, new hardwood, redwood, free of knots, holes, cross grain, 2 inches by length shown.

B. Pre-manufactured staking systems.

C. Hose chafing guard, reinforced rubber or plastic hose at least $\frac{1}{2}$ inch in diameter, black, cut to lengths required to protect tree trunks from damage.

D. Stakes systems will be determined by the Director of Parks & Recreation or his/her designee.

8. MISCELLANEOUS PRODUCTS

A. Anti-desiccant, water – insoluble emulsion, permeable moisture retarder, film forming for trees and shrubs.

B. Deliver in original, sealed, and fully labeled containers and mix according to manufacturer's written instructions.

9. COMPREHENSIVE PLANT PALETTE (as of 2019)

(Note: invasive, non-native plants are prohibited. No plant listed on the UC IPM Invasive Plants List may be used.)

5. Appendices

Scientific Name	Species	Common Name	Type 2 Parks
Trees			
Acer	spp.	Maples	
Acer	rubrum 'Bowhall'	Bowhall Red Maple	✓
Acer	griseum 'Gingerbread'	Paper Bark Maple	✓
Acer	palmatum	Japanese Maple	✓
Acer	saccharum	Sugar Maple	✓
Acacia	longifolia	Sidney Golden Wattle	✓
Aesculus	californica	California Buckeye	✓
Agonis	flexuosa	Peppermint Tree	✓
Abies	concolor	White Fir	✓
Albizia	julibrissin	Silk Tree	✓
Alnus	cordata	Italian Alder	✓
Arbutus	unedo	Strawberry Tree	✓
Arbutus	'Marina'	Marina Arbutus	✓
Betula	nigra	River Birch	✓
Betula	pendula	European White Birch	✓
Betula	papyrifera	Paper Birch	✓
Cedrus	atlantica	Atlas Cedar	✓
Callistemon	citrinus	Lemon Bottlebrush	✓
Callistemon	viminalis	Weeping Bottlebrush	✓
Calocedrus	decurvens	Incense Cedar	✓
Carpinus	betulus	European Hornbeam	
Casuarina	stricta	Drooping She-Oak	✓

Scientific Name	Species	Common Name	Type 2 Parks
Trees			
Catalpa	<i>speciosa</i>	Western Catalpa	✓
Cedrus	<i>deodara</i>	Deodar Cedar	✓
Celtis	<i>australis</i>	European Hackberry	✓
Celtis	<i>sinensis</i>	Chinese Hackberry	✓
Ceratonia	<i>siliqua</i>	Carob	✓
Cercis	<i>canadensis</i>	Eastern Redbud	✓
Cercis	<i>occidentalis</i>	Western Redbud	✓
Chitalpa	<i>tashkentensis</i>	Chitalpa	✓
Cinnamomum	<i>camphora</i>	Camphor Tree	✓
Cornus	<i>florida</i>	Flowering Dogwood	✓
Cornus	<i>kousa</i>	Kousa Dogwood	✓
Cornus	<i>nuttallii</i>	Western Dogwood	✓
Cotinus	<i>coggygria</i>	Purple Smoke Tree	✓
Crataegus	<i>laevigata</i>	English Hawthorn	✓
Cupaniopsis	<i>anacardioides</i>	Carrot Wood	✓
Eriobotrya	<i>deflexia</i>	Bronze loquat	✓
Eriobotrya	<i>japonica</i>	Loquat	✓
Fagus	<i>sylvatica 'Purpurea'</i>	Copper Beech	✓
Ficus	<i>microarpa 'Nitida'</i>	Little Leaf Fig	✓
Fraxinus	spp.	Ash	✓
Fraxinus	<i>angustifolia 'Raywood'</i>	Raywood Ash	✓
Fraxinus	<i>uhdei</i>	Evergreen Ash	✓
Fraxinus	<i>velutina 'Modesto'</i>	Modesto Ash	✓

5. Appendices

Scientific Name	Species	Common Name	Type 2 Parks
Trees			
Geijera	<i>parviflora</i>	Australian Willow	✓
Ginkgo	<i>biloba</i>	Maidenhair Tree	✓
Gleditsia	<i>triacanthos 'inermis'</i>	Thornless Honeylocust	✓
Jacaranda	<i>mimosifolia</i>	Jacaranda	✓
Juglans	<i>nigra</i>	Black Walnut	✓
Lagerstroemia	<i>indica</i>	Crape Myrtle	✓
Laurus	<i>nobilis</i>	Grecian Laurel	✓
Leptospermum	<i>laevigatum</i>	Australian Tea Tree	✓
Ligustrum	<i>lucidum</i>	Glossy Privet	✓
Lophostemon	<i>confertus</i>	Brisbane Box	✓
Magnolia	<i>grandiflora</i>	Southern Magnolia	✓
Malus	spp.	Apple	✓
Maytenus	<i>boaria</i>	Mayten	✓
Melaleuca	<i>quinquenervia</i>	Cajeput Tree	✓
Metasequoia	<i>glyptostroboides</i>	Dawn Redwood	✓
Metrosideros	<i>excelsus</i>	New Zealand Christmas	✓
Morus	<i>alba 'Fruitless'</i>	Fruitless Mulberry	✓
Olea	<i>europea "Bonita"</i>	Olive (Fruitless)	✓
Olea	<i>europea 'Manzanillo'</i>	Olive	✓
Olea	<i>europea "Swanhill"</i>	Swan Hill Olive	✓
Picea	<i>pungens</i>	Blue Spruce	✓

Scientific Name	Species	Common Name	Type 2 Parks
Trees			
Pinus	canariensis	Canary Island Pine	✓
Pinus	brutia	Afghan Pine	✓
Pinus	halepensis	Aleppo Pine	✓
Pinus	mugo	Swiss Mountain Pine	✓
Pinus	pinea	Italian Stone Pine	✓
Pinus	ponderosa	Ponderosa Pine	✓
Pinus	radiata	Monterey Pine	✓
Pinus	sabiniana	Gray Pine	✓
Pinus	sylvestris	Scots Pine	✓
Pinus	thunbergii	Japanese Black Pine	✓
Pistacia	chinensis	Chinese Pistache	✓
Pittosporum	eugenioides	Pittosporum	✓
Pittosporum	rhombifolium	Queensland Pittosporum	✓
Pittosporum	undulatum	Victorian Box	✓
Platanus	acerifolia 'Bloodgood'	London Plane Tree	✓
Platanus	racemosa	California Sycamore	✓
Platanus	x acerifolia "Columbia"	London Plane or Hybrid Plane	✓
Podocarpus	gracilior	Fern Pine	✓
Podocarpus	macrophyllus	Yew Pine	✓
Populus	nigra 'Italica'	Lombardy Poplar	✓
Prunus	cerasifera 'Krauter Vesuvius'	Purple Leaf Plum	✓
Prunus	ilicifolia	Hollyleaf Cherry	✓
Prunus	persica	Peach	✓

5. Appendices

Scientific Name	Species	Common Name	Type 2 Parks
Trees			
Prunus	spp.	Flowering Cherry, Plum	✓
Prunus	serrulata	East Asian Cherry	✓
Prunus	yedoensis 'Akebono'	Yoshino Flowering Cherry	✓
Pyrus	calleryana 'Bradford'	Bradford Pear	✓
Pyrus	calleryana	Callery Pear	✓
Pyrus	calleryana 'Aristocrat'	Aristocrat Pear	✓
Pyrus	calleryana 'Aristocrat'	Ornamental Pear	✓
Pyrus	kawakamii	Evergreen Pear	✓
Quercus	spp.	Oak	✓
Quercus	agrifolia	Coast live Oak	✓
Quercus	coccinea	Scarlet Oak	✓
Quercus	ilex	Holly Oak	✓
Quercus	lobata	California White Oak	✓
Quercus	lobata	Valley Oak	✓
Quercus	shumardii	Shumard Oak	✓
Quercus	rubra	Red Oak	✓
Quercus	suber	Cork Oak	✓
Quercus	virginiana 'Cathedral'	Southern Live Oak	✓
Rhus	lancea	African Sumac	✓
Robinia	spp.	Flowering Locust	✓
Robinia	pseudoacacia	Black Locust	✓
Salix	babylonica	Weeping Willow	✓
Salix	matsudana	Corkscrew willow	✓

Scientific Name	Species	Common Name	Type 2 Parks
Trees			
Sapium	sebiferum	Chinese Tallow	✓
Schinus	molle	California Pepper Tree	✓
Sequoia	sempervirens	Coast Redwood	✓
Sequoia	sempervirens 'Aptos Blue'	Aptos Blue Redwood	✓
Sophora	japonica	Japanese Pagoda Tree	✓
Tilia	cordata	Little Leaf Linden	✓
Tilia	tomentosa 'Sterling'	Silver Linden	✓
Tristaniopsis	laurina	Laurel leaf box	✓
Ulmus	americana	American Elm	✓
Ulmus	parvifolia "Drake"	Drake's Evergreen Elm	✓
Ulmus	parvifolia	Chinese Elm	✓
Ulmus	parviflora	Evergreen Elm	✓
Zelkova	serrata	Saw Tooth Zelkova	✓
Shrubs			
Abelia	grandiflora	Glossy Abelia	✓
Abutilon	spp.	Flowering Maple	✓
Anigozanthus	spp.	Kangaroo Paw	✓
Arctostaphylos	spp.	Manzanita	✓
Rhododendron	spp.	Rhododendron, Azalea	✓
Baccharis	pilularis 'Pigeon Point'	Coyote Brush	✓
Bouteloua	gracilis 'Blonde Ambition'	Blue Grama Grass	✓

5. Appendices

Scientific Name	Species	Common Name	Type 2 Parks
Shrubs			
Buddleia	spp.	Butterfly Bush	✓
Buxus	spp.	Boxwood	✓
Calamagrostis	x acut. 'karl foerster'	Feather Weed Grass	✓
Callistemon	citrinus	Bottlebrush	✓
Callistemon	viminalis 'Little John'	Dwarf Bottlebrush	✓
Ceanothus	griseum horizontalis	Wild Lilac	✓
Chondropetalum	tectorum	Cape Rush	✓
Cistus	'Doris Hibberson'	Rockrose	✓
Cistus	x purpureus 'Brilliancy'	Brilliancy Rock Rose	✓
Coleonema	pulchrum 'Sunset Gold'	Sunset Gold Breath of Heaven	✓
Cordyline	spp.	Dracaena	✓
Cotoneaster	spp.	Cotoneaster	✓
Dites	Bicolor	Fortnigh Lily	✓
Dodonaea	viscosa	Hoopseed Bush	✓
Escallonia	exoniensis 'Frades'	Escallonia	✓
Euonymus	spp.	Euonymus	✓
Feijoa	sellowiana	Pineapple Guava	✓
Grevillea	lanigera	Wooly Grevillia	✓
Grevillea	'Noelii'	Grevillia	✓
Hakea	suaveolens	Sweet-Scented Hakea	✓
Helictotrichon	semervirens 'Pendula'	Blue Oat Grass	✓
Hesperaloe	parviflora 'Brakelights'	Red Yucca	✓
Heteromeles	arbutifolia	Toyon	✓

Scientific Name	Species	Common Name	Type 2 Parks
Shrubs			
Hydrangea	spp.	Hydrangea	✓
Hydrangea	quercifolia	Oakleaf Hydrangea	✓
Hypericum	moserianum	Gold Flower	✓
Juniperus	chinensis 'Torulosa'	Hollywood Juniper	✓
Lavandula	spp.	Lavender	✓
Lavandula	angustifolia 'Hidcote Blue'	Hidcote Blue English Lavender	✓
Ligustrum	japonicum 'Texanum'	Wax-Leaf Privet	✓
Ligustrum	sinense 'Sunshine'	Sunshine Ligustrum	✓
Loropetalum	spp.	Fringe Flower	✓
Mahonia	aquifolium	Oregon Grape	✓
Muhlenbergia	capilaris 'Regal Mist'	Regal Mist Pink Muhy	✓
Myrtus	communis 'Compacta'	Dwarf Myrtle	✓
Nandina	domestica	Heavenly Bamboo	✓
Nerium	oleander & cultivars	Oleander	✓
Pennisetum	alopecuroides 'Little Bunny'	Little Bunny Fountain Grass	✓
Phormium	tenax	New Zealand Flax	✓
Phormium	tenax 'Apricot Queen'	New Zealand Flax	✓
Photinia fraseri	fraseri	Photinia	✓
Pittosporum	tobira	Pittosporum	✓
Prunus	caroliniana 'Compacta'	Carolina Laurel Cherry	✓
Prunus	ilicifolia	Hollyleaf Cherry	✓
Pyracantha	santa cruz	Firethorn	✓
Rhamnus	californica 'Seaview'	Dwarf Coffeeberry	✓

5. Appendices

Scientific Name	Species	Common Name	Type 2 Parks
Shrubs			
Rhaphiolepis	indica & cultivars	India Hawthorn	✓
Spiraea	japonica 'Gold Mound'	Goldmound Spirea	✓
Spiraea	spp.	Spiraea	✓
Teucrium	fruticans	Bush Germander	✓
Verbena	lilacina 'de la Mina'	Verbena	✓
Viburnum	suspensum	Sandankwa Viburnum	✓
Viburnum	tinus 'Spring Boquet'	Laurustinus	✓
Westringia	fruticosa 'Morning Light'	Coast Rosemary	✓
Xylosma	congestum	Shiny Xylosma	✓
Zauschneria	californica 'Burts Bluff'	California Fuschia	✓
Perennials			
Agapanthus	africana	Lily of the Nile	✓
Agapanthus	africana 'Peter Pan'	Dwarf Lily of the Nile	✓
Agapanthus	queen anne	Lily of the Nile	✓
Agave	attenuata	Fox Tail Agave	✓
Agave	gemiiflora	Twin Flowered Agave	✓
Agave	Blue Flame'	Blue Flame Agave	✓
Anigozanthos	orange croaa	Orange Kangaroo Paw	✓
Anigozanthos	'Big Red'	Red Kangaroo Paw	✓
Aralia	sieboldii	Japanese Aralia	✓
Arctostaphylos	manzanita	Pacific Mist Manzanita	✓
Epilobium	bowman's #1	Bowman's California Fuchsia	✓
Eschscholzia	californica	California Poppy	✓

Scientific Name	Species	Common Name	Type 2 Parks
Perrenials			
Dieten	vegeta	Fortnight Lily	✓
Gaura	spp.	Gaura	✓
Geranium	spp.	Geranium	✓
Hemerocallis	spp.	Daylily	✓
Hibiscus	spp.	Hibiscus	✓
Iris	douglasiana	Purple Douglas Iris	✓
Iris	sibirica	Siberian Iris	✓
Lantana	camara	Common Lantana	✓
Lantana	montevidensis	Trailing Lantana	✓
Lavendula	spp.	Lavender	✓
Limonium	perezii	Sea Lavender	✓
Lupinus	spp.	Lupine	✓
Nepeta	x faassenii	Cat Mint	✓
Rosmarinus	officinalis 'Collingwood Ingram'	Prostrate Rosemary	✓
Salvia	sylvestris 'Blue Hill'	Blue Hill Sage	✓
Salvia.	officianalis	Common Salvia	✓
Salvia	leucantha 'Midnight'	Mexican Bush Sage	✓
Salvia	microphylla 'Hot Lips'	Hot Lips Sage	✓
Teucrium	chamaedrys	Wall Germander	✓
Rosa	'Meiggili'	Peach Drift Rose	✓
Verbena	lilacina 'de la Mina'	Cadros Island Verbena	✓
Viola	spp.	Viola	✓
Zauschneria	californica	California Fuchsia	✓

5. Appendices

Scientific Name	Species	Common Name	Type 2 Parks
Groundcovers			
Arctostaphylos	'Pacific Mist'	Pacific Mist Manzanita	✓
Contoneaster	horizontalis	Rock Cotoneaster	✓
Coprosma	kirkii	Coprosma	✓
Hypericum	calycinum	Creeping St. Johnswort	✓
Lantana	montevidensis 'Carnaval'	Lantana	✓
Myoporum	parvifolium 'Putah Creek'	Myoporum	✓
Osteospermum	fruticosum	Trailing African Daisy	✓
Senecio	mandraliscae	Blue Chalk Sticks	✓
Thymus	praecox	Elfin Thyme	✓
Trachelospermum	jasminoides	Star Jasmine	✓
Vines			
Clematis	armandii	Evergreen Clematis	✓
Jasminum	spp.	Jasmine	✓
Macfadyena	unguis-cati	Cat's Claw	✓
Parthenocissus	tricuspidata 'Veitchii'	Boston Ivy	✓
Trachelospermum	jasminoides	Star Jasmine	✓
Wisteria	sinensis	Chinese Wisteria	✓
Wetland Plants			
Bolboschoenus	maritimus	Alkali Bulrush	✓
Salix	laevigata	Red Willow	✓
Salix	lasiolepis	Arroyo Willow	✓
Schoenoplectus	spp.	California Bulrush	✓

Scientific Name	Species	Common Name	Type 2 Parks
Grasses			
Bromus	carinatus	California Brome	✓
Calamagrotis	nutkaensis	Pacific Reed Grass	✓
Chondropetalum	tectorum 'El Campo'	Small Cape Rush	✓
Carex	divulsa	Berkeley Sedge	✓
Deschampsia	caespitosa	California Tufted Hairgrass	✓
Elymus	glaucus	Blue Wildrye	✓
Elymus	triticoides	Creeping Wildrye	✓
Festuca	idahoensis	Idaho Fescue	✓
Hordeum	brachyantherus	Meadow Barley	✓
Misanthus	spp.	Maiden Grass	✓
Pennisetum	spp.	Fountain Grass	✓
Juncus	patens "Elk Blue"	Elk Blue California Gray Rush	✓
Lomandra	longifolia 'Breeze'	Dwarf Mat Rush	✓
Milica	imperfecta	Coast Range Melic	✓
Muhlenbergia	dubia	Pine Muhly	✓
Muhlenbergia	rigens	Deer Grass	✓
Salvia	clevelandii	California Fescue	✓
Stipa	cernua	Nodding Needle Grass	✓
Stipa	pulchra	Purple Needle Grass	✓
Bio-Swale			
Calamagrostis	acutiflora	Feather Reed Grass	✓
Carex	tumulicola	Berkeley Sedge	✓
Chondropetalum	spp.	Cape Rush	✓

5. Appendices

Scientific Name	Species	Common Name	Type 2 Parks
Grasses			
Bouteloua	gracilis 'Blonde Ambition'	Blonde Ambition Grama Grass	✓
Deschampsia	caespitosa	California Tufted Hairgrass	✓
Iris	douglasiana	Douglas Iris	✓
Juncus	patens	California Gray Rush	✓
Semi Aquatic			
Aruncus	spp.	Goat's Beard	✓
Canna	indica	Canna	✓
Carex	elata	Tufted Sedge	✓
Carex	pendula	Weeping or Drooping Sedge	✓
Carex	lenticularis	Lakeshore Sedge	✓
Elocharis	palustris	Spike Rush	✓
Iris	spp.	Iris	✓
Juncus	effusus 'Spiralis'	Corkscrew Rush	✓
Juncus	patens	California Gray Rush	✓
Ligularia	spp.	Ligularia	✓
Lobelia	cardinalis	Lobelia	✓
Lythrum	salicaria	Loosestrife	✓
Ranunculus	aquatilis	Water Buttercup	✓
Sagittaria	spp.	Arrowhead	✓
Thalia	geniculata	Alligator Flag Plant	✓
Zantedeschia	spp.	Common Calla	✓
Annuals			
none			
Palms			
none			

F. Central Park Sign Concepts



SIGNAGE ELEVATION

Directional Sign to Park Entry Monument Park Directory Inter Park Directional Signage at Park Amenity

ILLUSTRATIVE ELEVATION

Directional Sign to Park Entry Monument Park Directory Inter Park Directional Signage at Park Amenity

WAYFINDING SIGNAGE ELEVATIONS - OPTION 1

JANUARY 2013

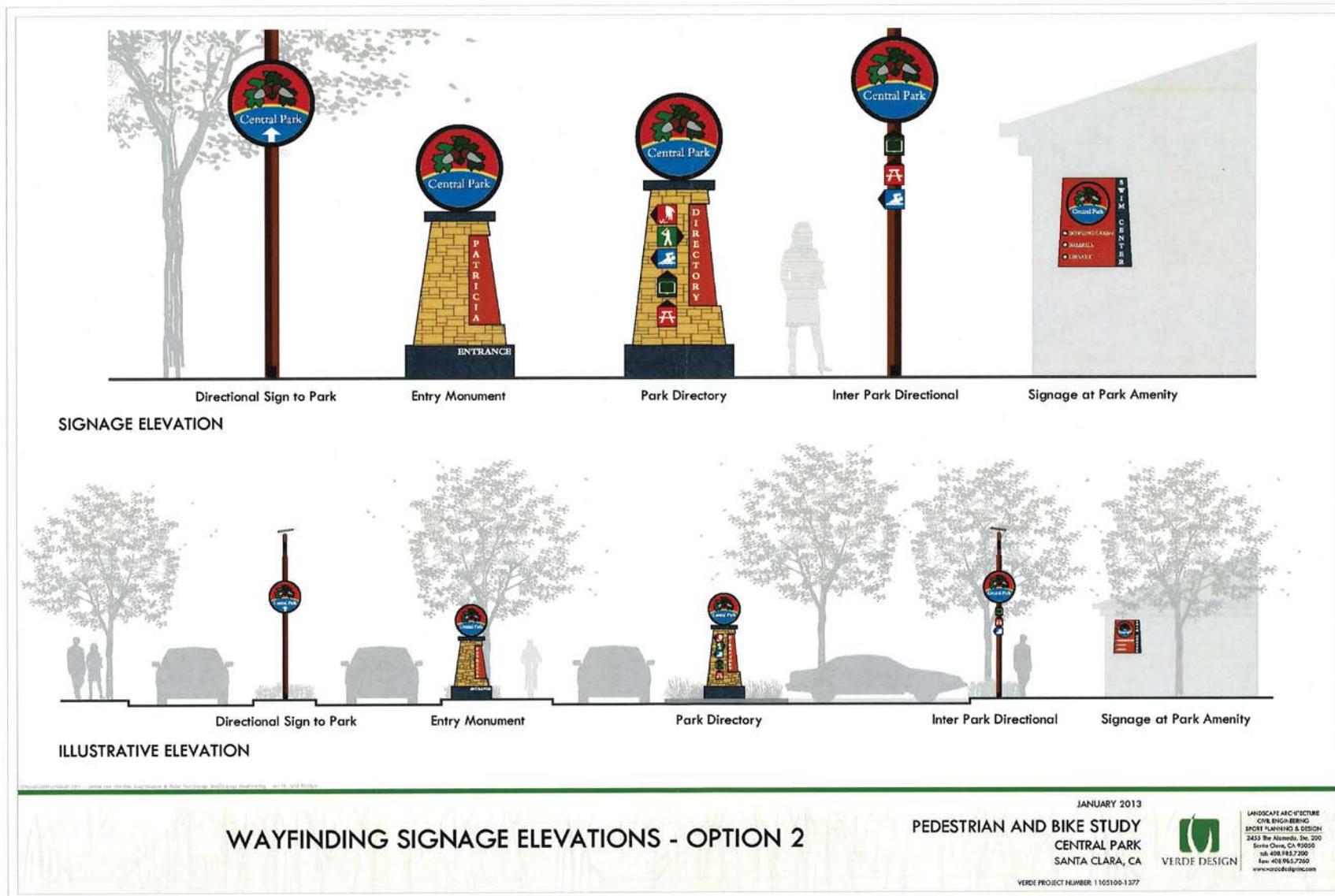
PEDESTRIAN AND BIKE STUDY
CENTRAL PARK
SANTA CLARA, CA

VERDE DESIGN

LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING
SPORT PLANNING & DESIGN
2433 Mission Street, 200
San Francisco, CA 94103
tel: 415.965.7200
fax: 415.965.7260
www.verdedesign.com

VERDE PROJECT NUMBER: 1105100-1377

5. Appendices





Directional Sign to Park



ENTRY MONUMENT



PARK DIRECTORY

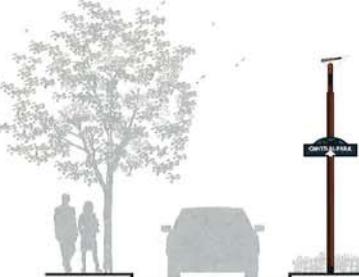


INTER PARK DIRECTIONAL



SIGNAGE AT PARK AMENITY

SIGNAGE ELEVATION



Directional Sign to Park



ENTRY MONUMENT



PARK DIRECTORY



INTER PARK DIRECTIONAL



SIGNAGE AT PARK AMENITY

ILLUSTRATIVE ELEVATION

Central Park is a public park in Santa Clara, California, located in the heart of the city. The park features a variety of amenities, including a baseball field, a picnic area, and a swimming pool. The park is also home to a number of trees and a small pond. The park is open to the public and is a popular destination for locals and tourists alike.

JANUARY 2013

PEDESTRIAN AND BIKE STUDY
CENTRAL PARK
SANTA CLARA, CA

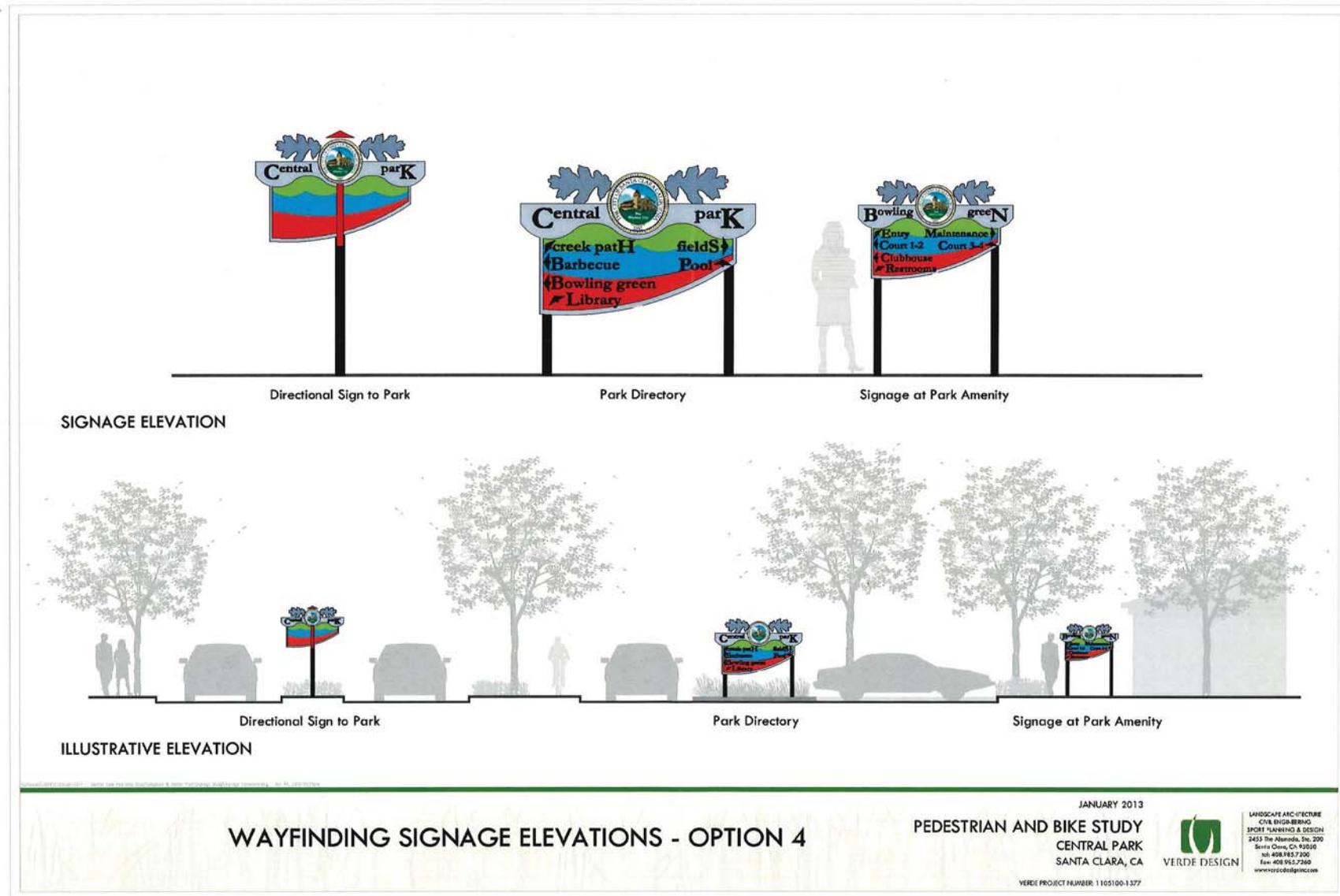
VERDE DESIGN

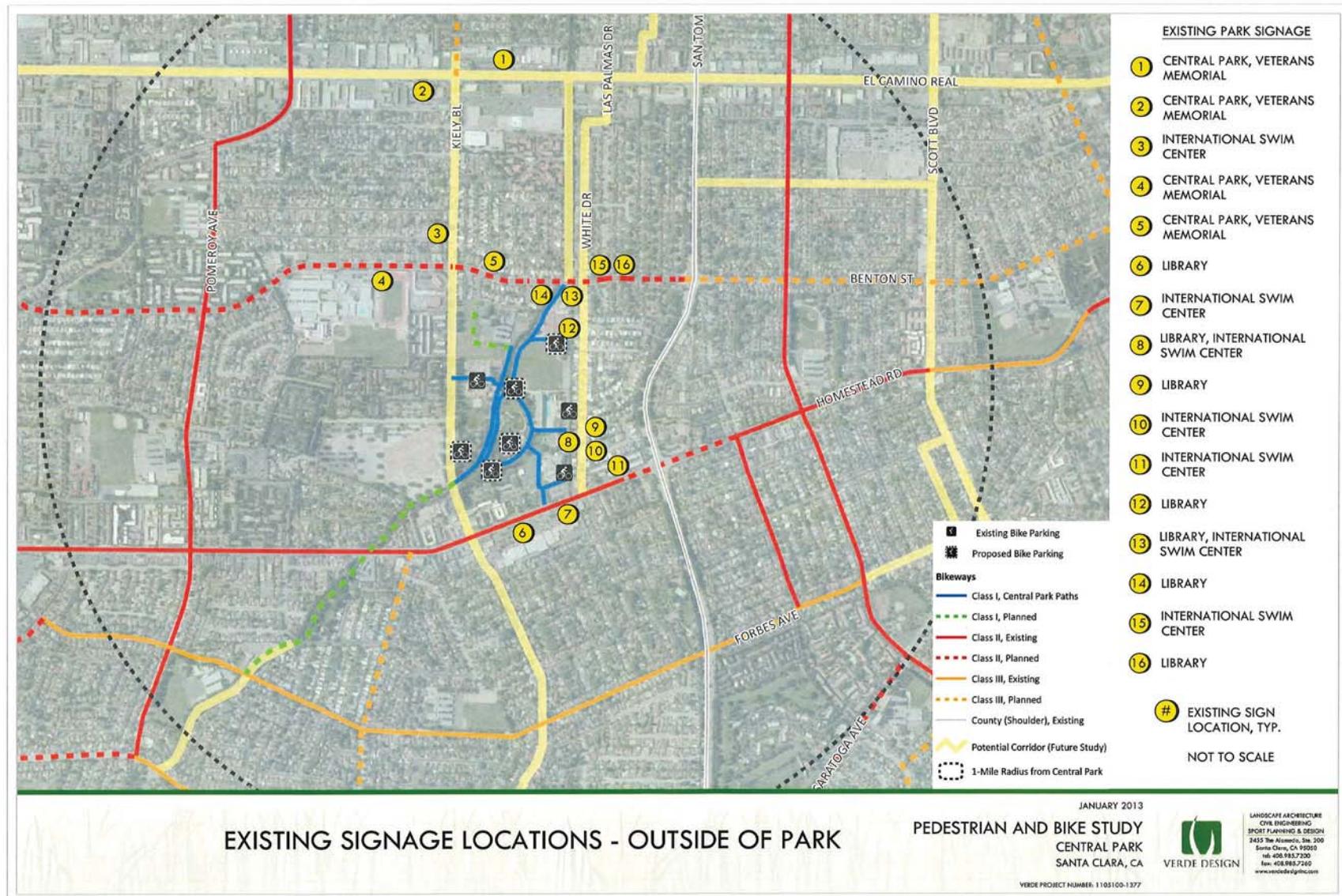
VERDE PROJECT NUMBER: 1105100-1377

LANDSCAPE ARCHITECTURE
URBAN PLANNING & DESIGN
2455 The Alameda, Ste. 200
Santa Clara, CA 95051
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www.verdedesign.com

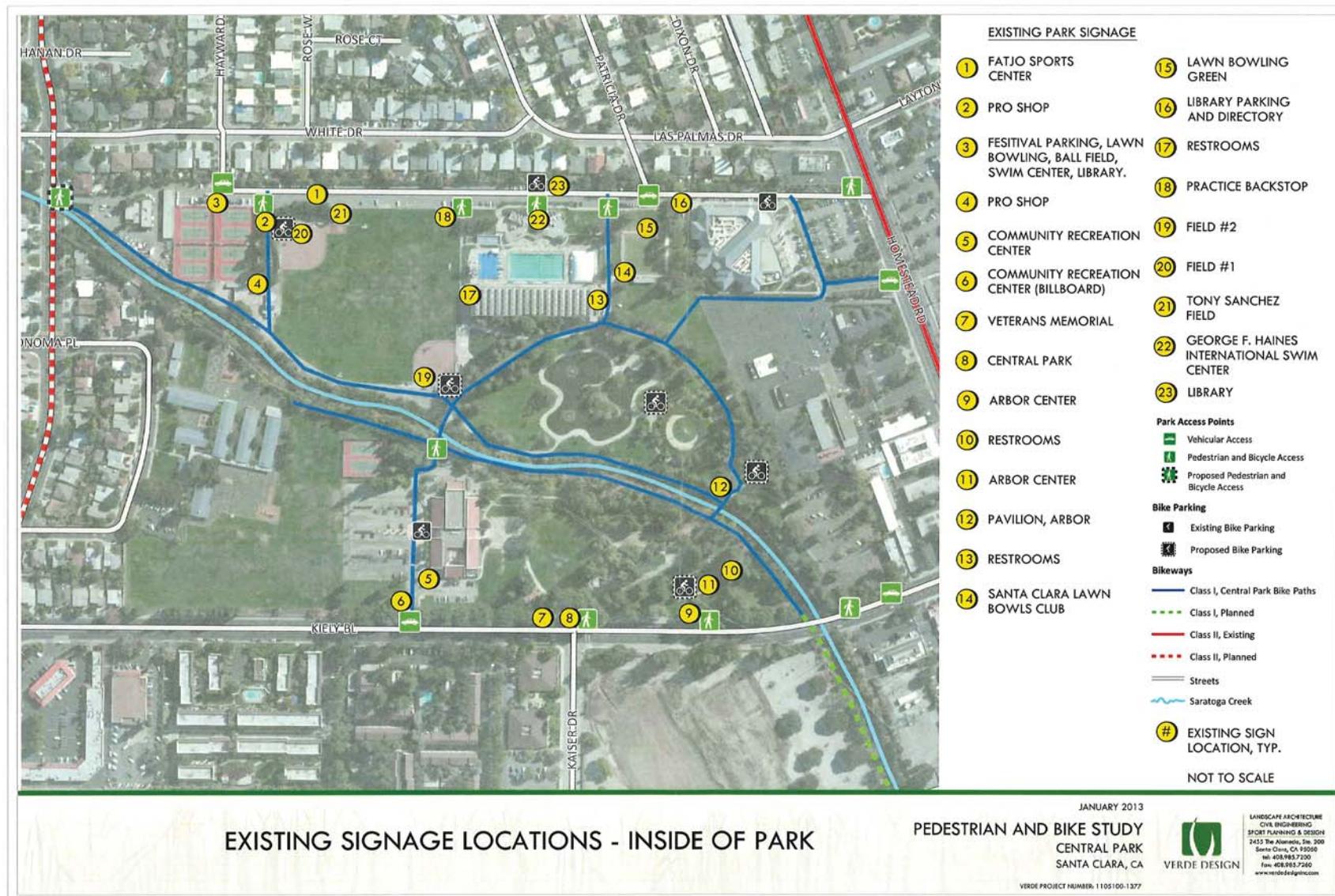
WAYFINDING SIGNAGE ELEVATIONS - OPTION 3

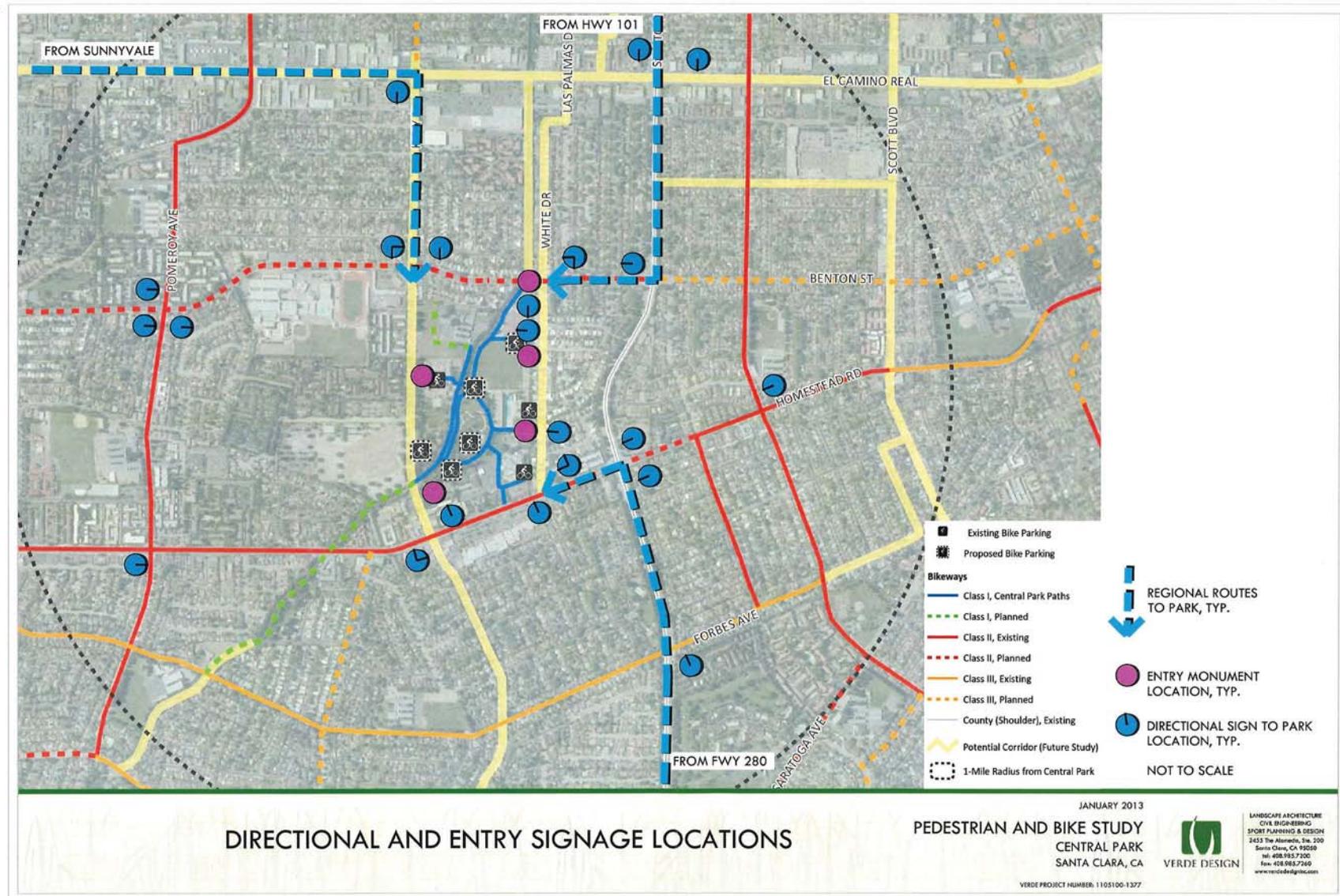
5. Appendices





5. Appendices





5. Appendices





5. Appendices