



SAN BRUNO RECREATION & AQUATIC CENTER

Community Foundation Update

July 6, 2022



AGENDA

1. Construction Update and Look Ahead Schedule
 - a) Project Information Update
 - b) Completed To Date
 - c) Change Order Report / Budget Update
 - d) Schedule Update
 - e) What's Happening Next 30 Days
 - f) Crystal Spring / Oak Street / City Parkway Intersection Update
 - g) Solar PV Update

2. Questions

Construction Update and Look Ahead Schedule



PROJECT INFORMATION



Start Date: September 2021



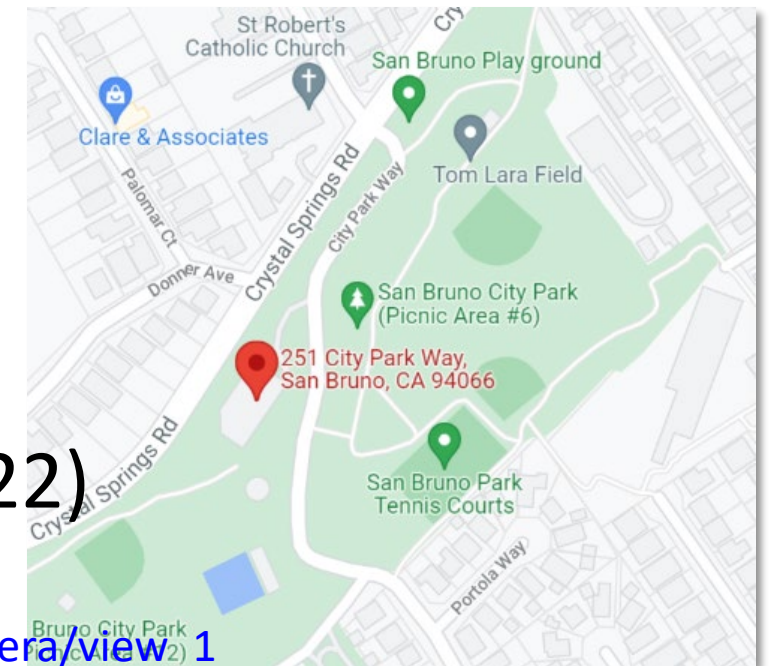
Project Completion: Fall 2023



Estimated Cost Completed To Date: 23.98% (June 2022)



EarthCam Link: https://share.earthcam.net/RecCenterBuild/rec_center_build/camera/view_1



Construction Update and Look Ahead Schedule

COMPLETED TO DATE (Through 07/06/22)



March 31, 2022



July 1, 2022



Construction Update and Look Ahead Schedule

COMPLETED TO DATE (April/May)



RETAINING WALL SURFACE AND GEOPIER



COMPLETED RETAINING WALL SURFACE, GEOPIER and BUILDING PAD

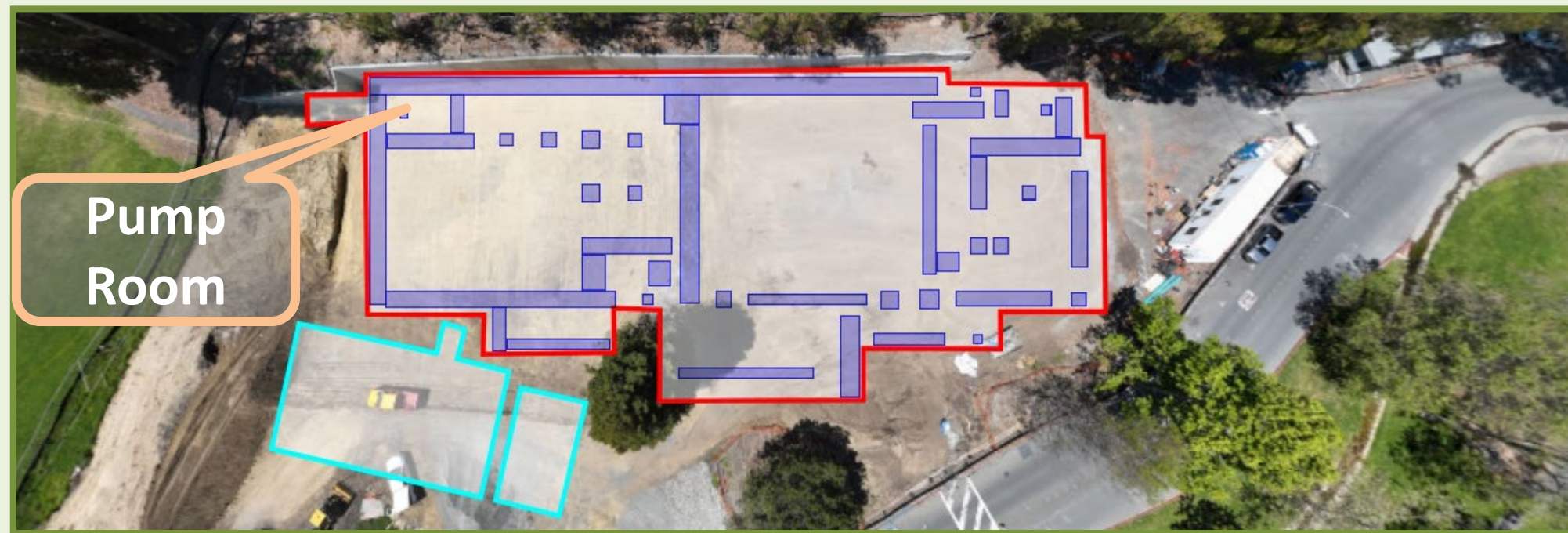


Construction Update and Look Ahead Schedule

COMPLETED TO DATE (May)



FOUNDATION WORK AT PUMP ROOM



241 Geopier
Foundation
7' to 13' Deep
22" Diameter

BUILDING FOUNDATION

Construction Update and Look Ahead Schedule

COMPLETED TO DATE (May/June)



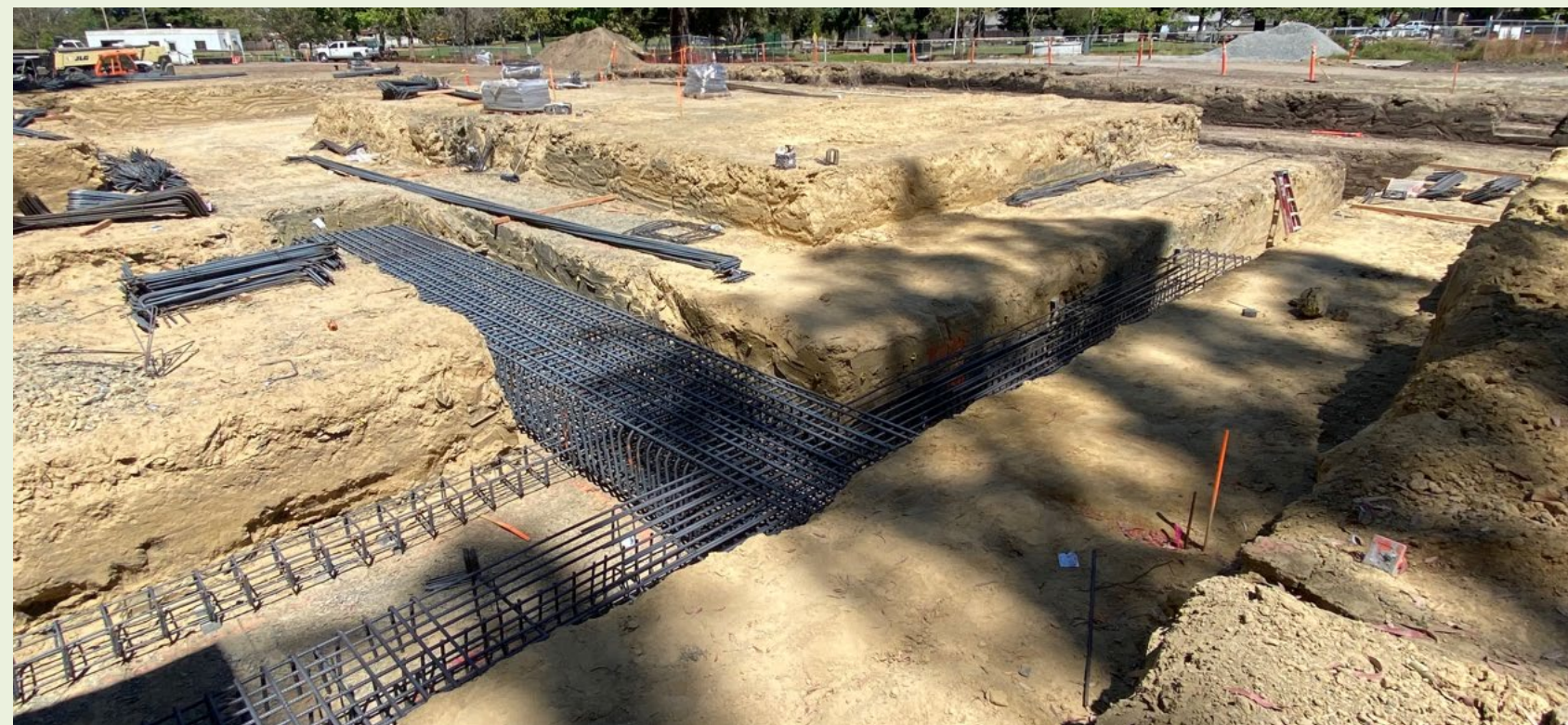
EXCAVATION COMPLETED

Construction Update and Look Ahead Schedule

COMPLETED TO DATE (June)



**BUILDING
FOUNDATIONS
EXCAVATIONS AND
REINFORCING
BARS**





Construction Update and Look Ahead Schedule

COMPLETED TO DATE (June)



BUILDING FOUNDATION REINFORCING BARS

Construction Update and Look Ahead Schedule

COMPLETED TO DATE (Through 07/01/22)



June 27, 2022 – Concrete Foundation Pour



Construction Update and Look Ahead Schedule

COMPLETED TO DATE (Through 07/01/22)



**GRADING FOR THE
CREEK'S NEW ROUTE**





Construction Update and Look Ahead Schedule

COMPLETED TO DATE (Through 07/01/22)



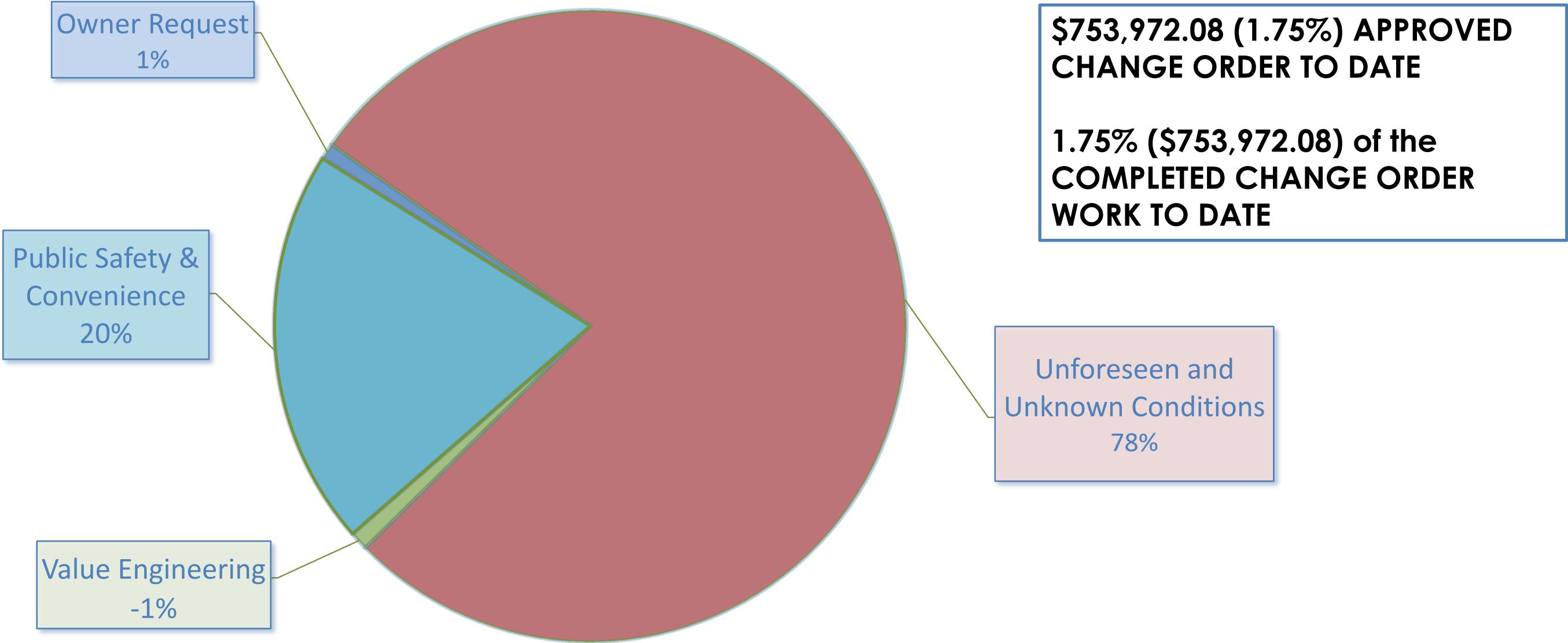
DUCTILE IRON PIPE DELIVERY

**SAW CUTTING FOR THE 10" MAIN
WATERLINE ON CRYSTAL SPRINGS ROAD**





Change Order Report





Construction Update and Look Ahead Schedule

Project Budget Update

Total Project Budget:

- \$60,540,228.00

Total Expenses To Date:

- \$18,926,519.44 (31.26%)

Pre-Construction Phase Cost Total:

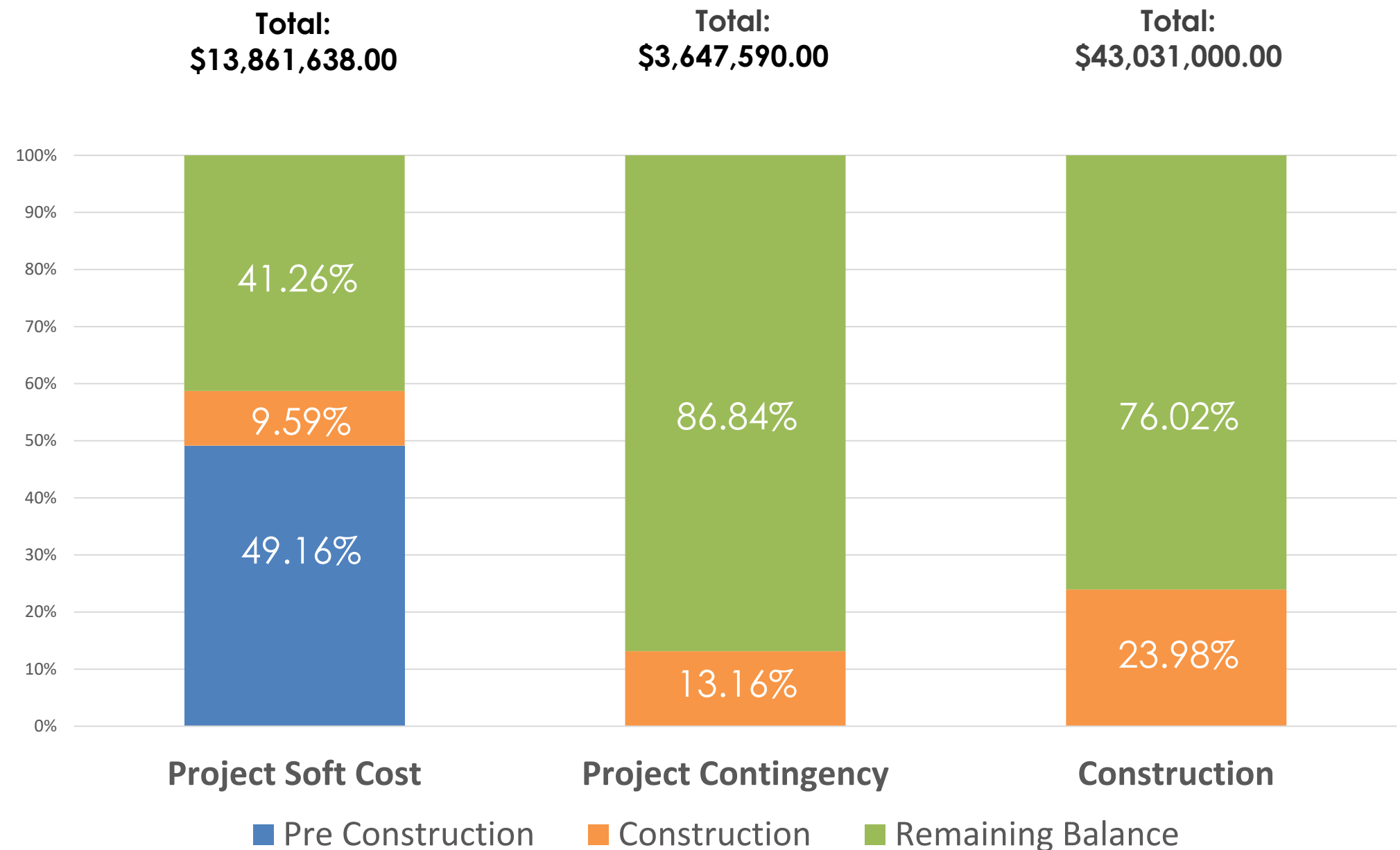
- \$6,814,010.20

Construction Phase Cost To Date:

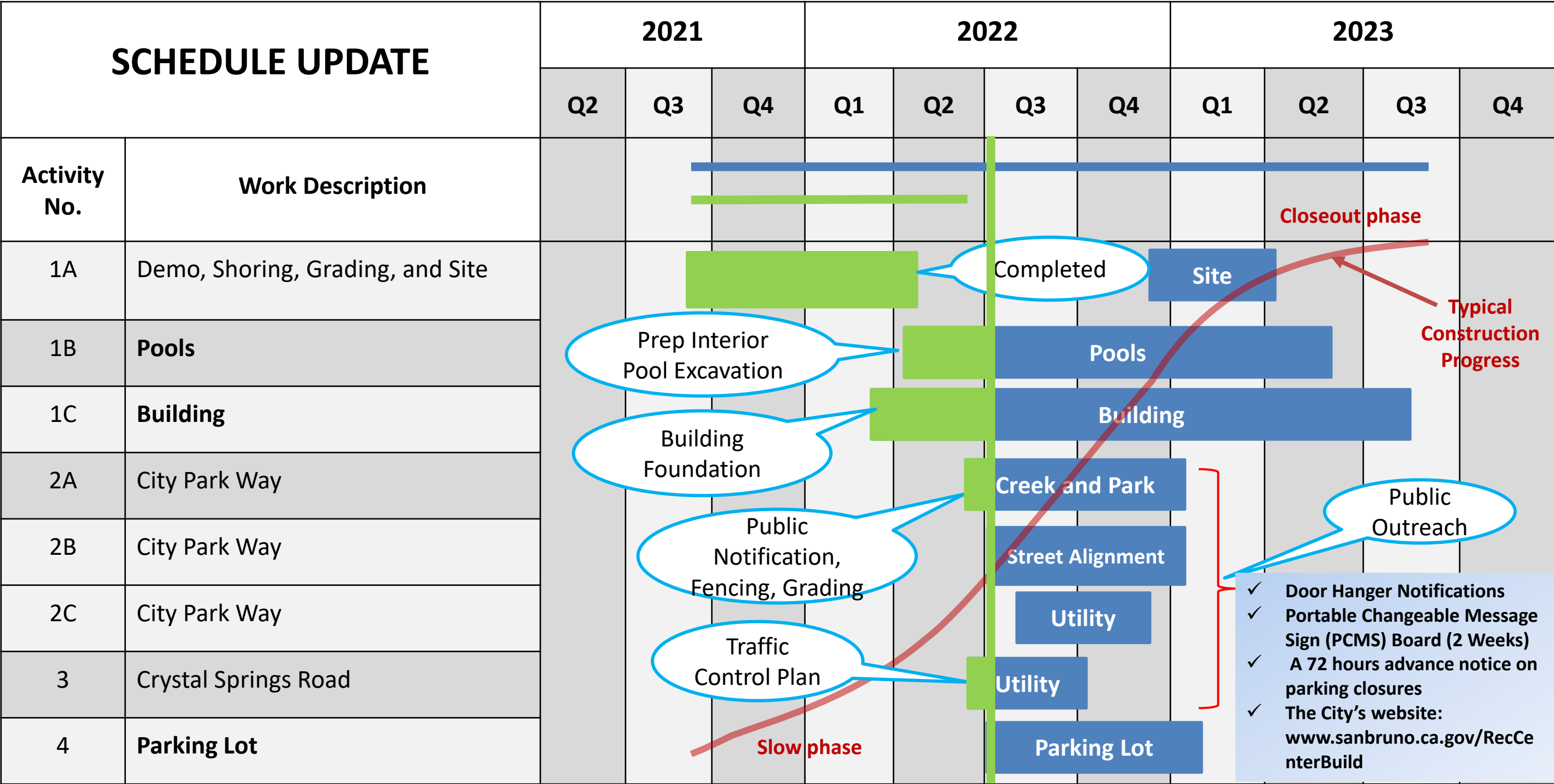
- \$12,112,509.24

SOFT COSTS

- Design (Group 4)
- Environmental
- Project Manager (CPM Associates)
- Construction Manager (Griffin Structures)
- Geotechnical, T&I, Waterproofing, Commissioning Services
- Lara Field Parking Lot
- Traffic Signals, Sewer, Water, Sidewalk, CityNet Fiber
- Temporary Space During Construction
- Furniture Fixtures and Equipment
- Electronic systems and special equipment
- Utility company connection and services
- Fees/ Administration/ Business Plan

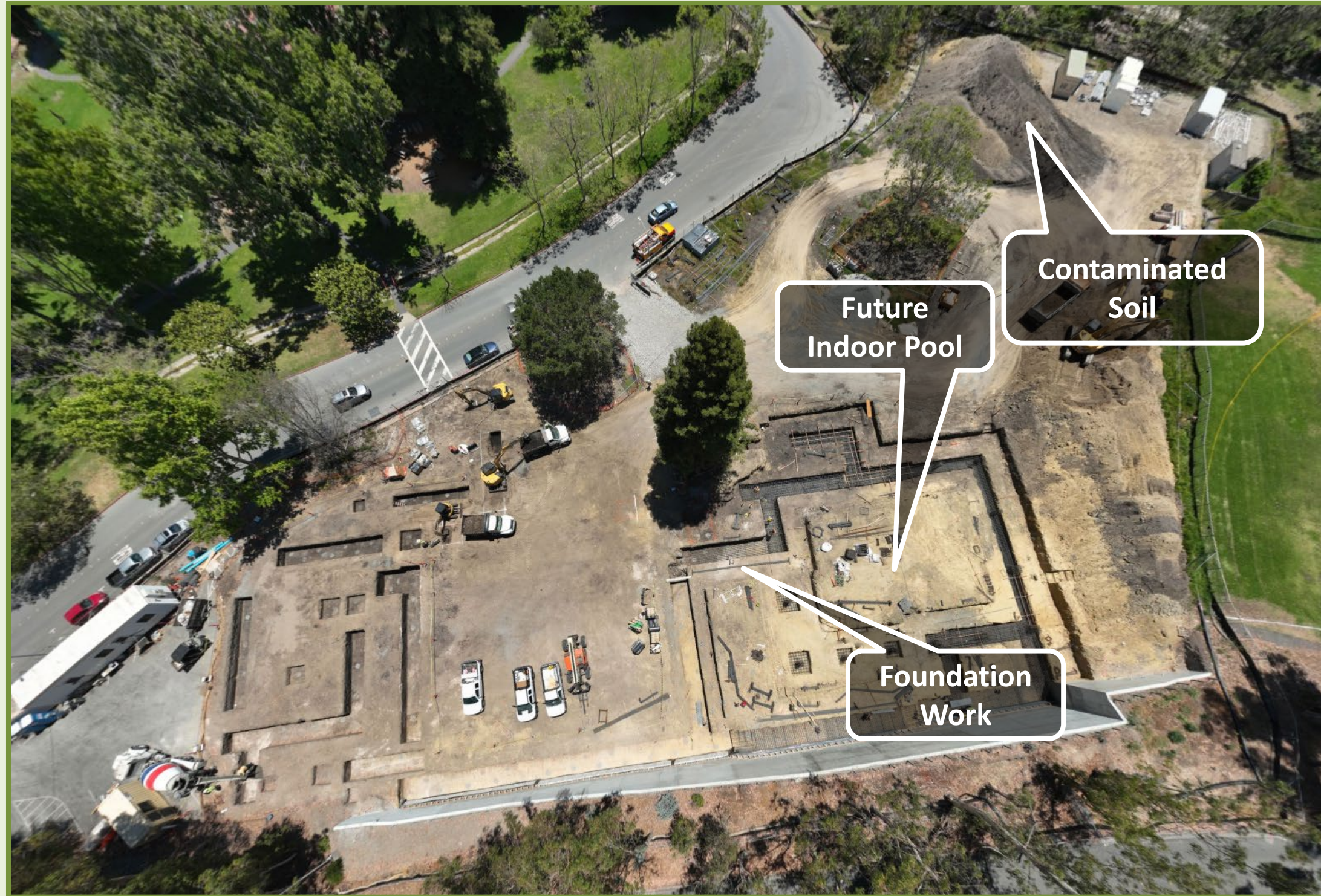


Construction Update and Look Ahead Schedule



Construction Update and Look Ahead Schedule

WHAT'S HAPPENING NEXT 30 DAYS?



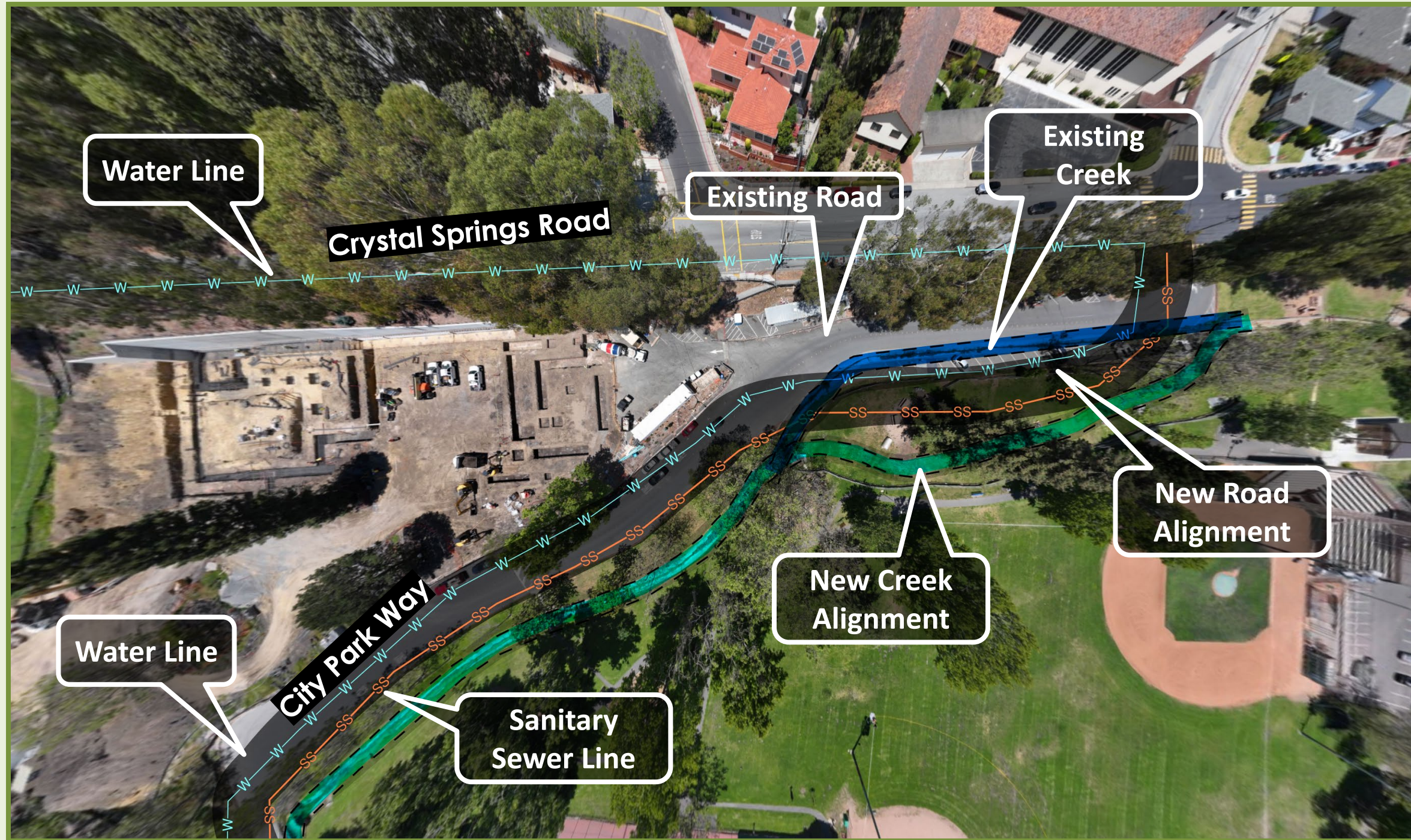
ONSITE WORK

- Foundation Work
- Pool Related Work
- Under Slab Utility

Construction Update and Look Ahead Schedule



WHAT'S HAPPENING NEXT 30 DAYS?



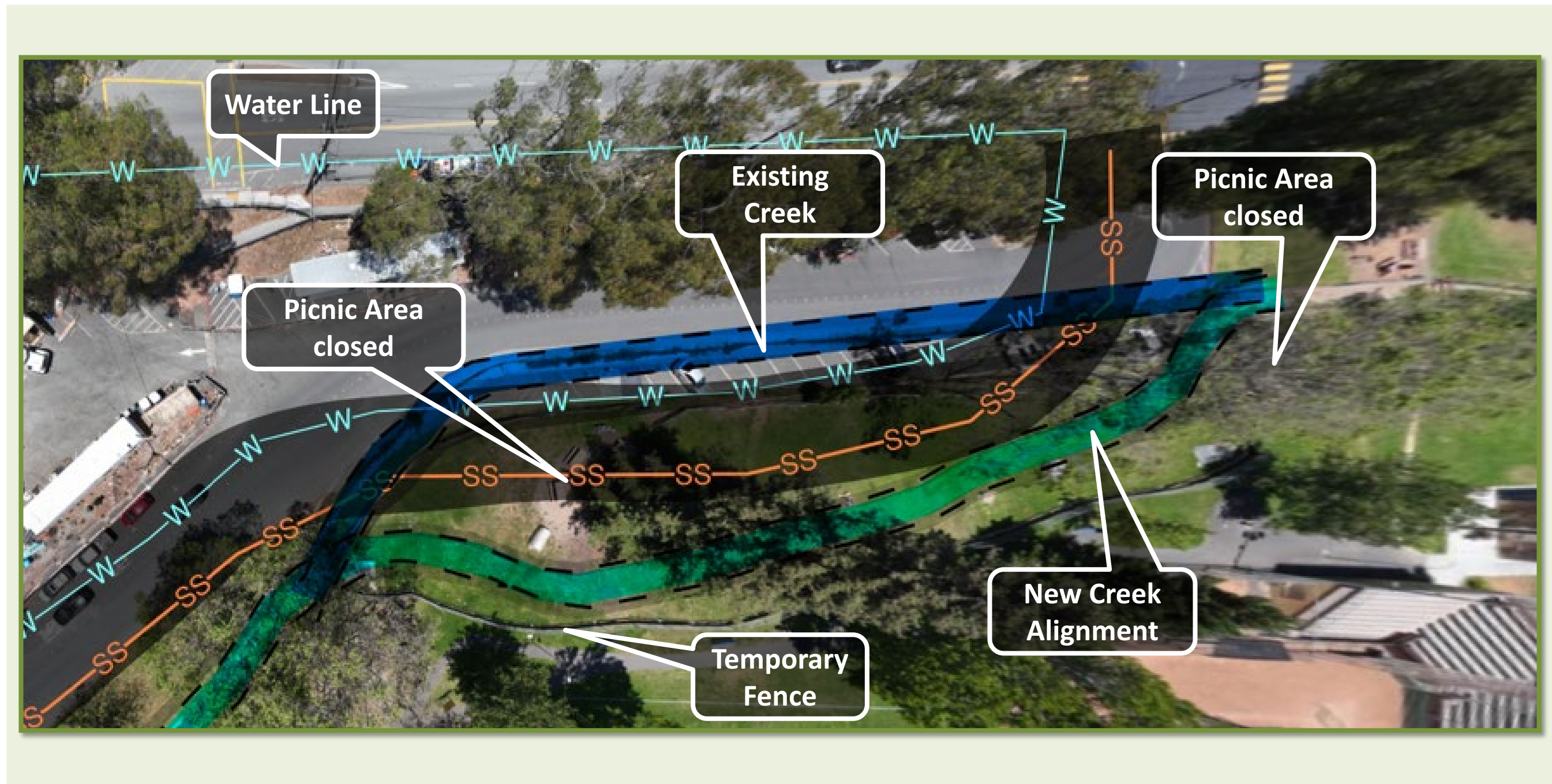
OFFSITE WORK

- Start Creek Realignment
- City Park Way Realignment
- Street Utility Work (Water, Sewer & Storm)
 - Start Crystal Spring Water Line
- Public Outreach
 - Partial Park Closure
 - City Park Way Closure
 - Crystal Spring Lane Closure



Construction Update and Look Ahead Schedule

WHAT'S HAPPENING NEXT 30 DAYS?



Crystal Spring / Oak Street / City Parkway



Intersection Update

Intersection Control Evaluation
By DKS

EXISTING

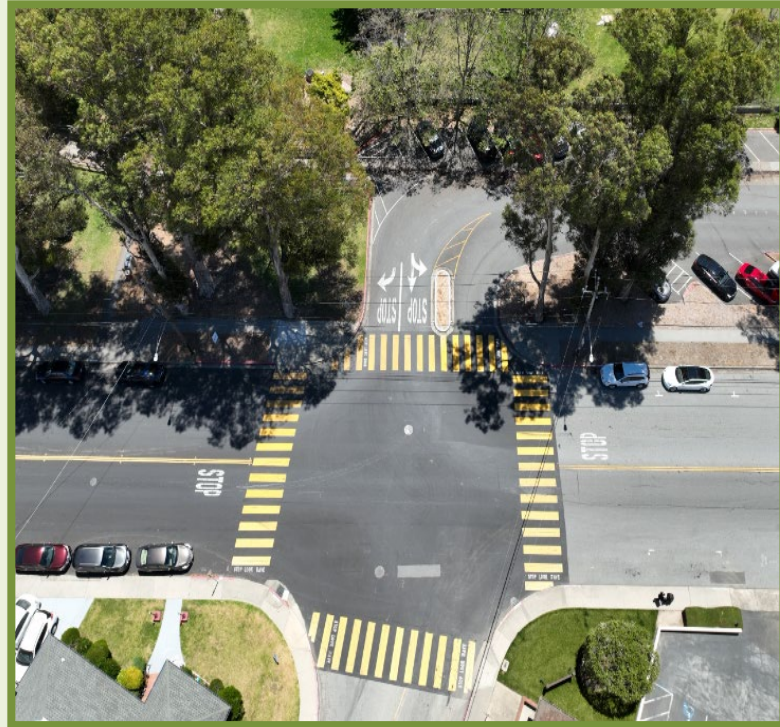
Four-legged intersection ALL WAY STOP
- OAK (25 MPH)/City Park Way (15 MPH) and Crystal Spring (25 MPH)

DATA

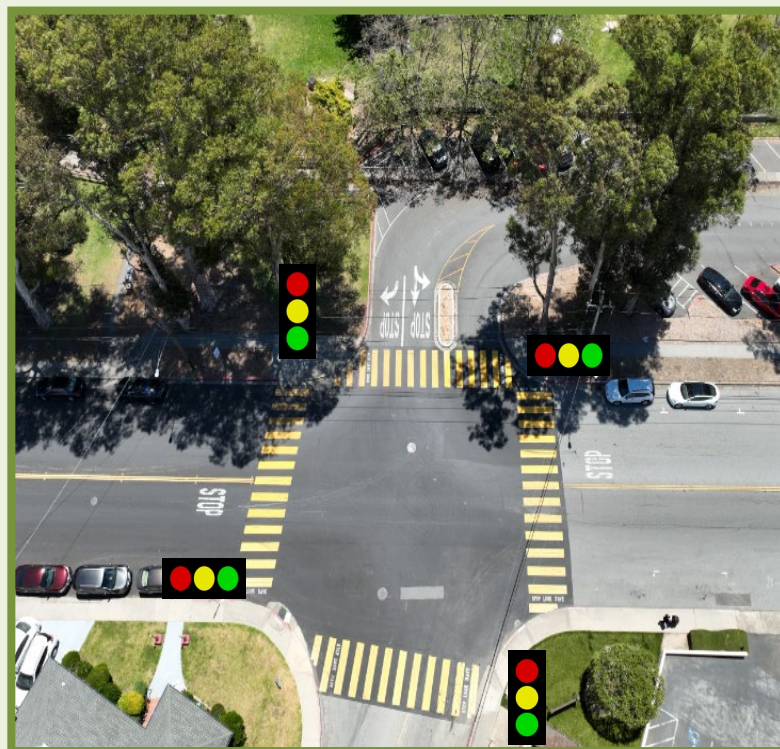
January 2019 (Pre-pandemic traffic)
AM/PM Peak

BASIS OF EVALUATION

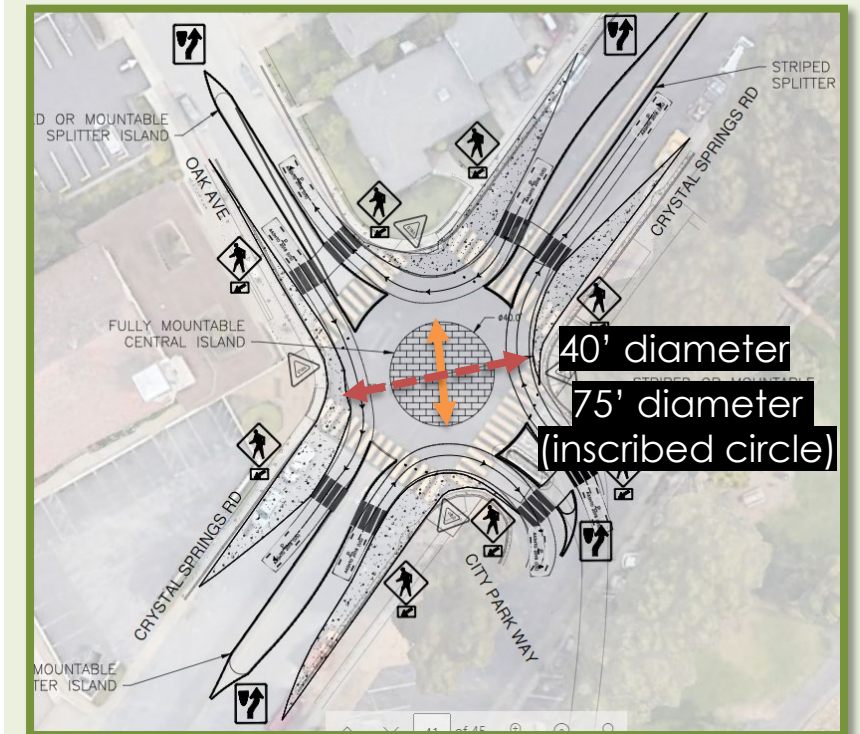
1. Delay (LOS)
2. Safety
3. Cost - Safety Benefit-Cost-Ratio (BCR)



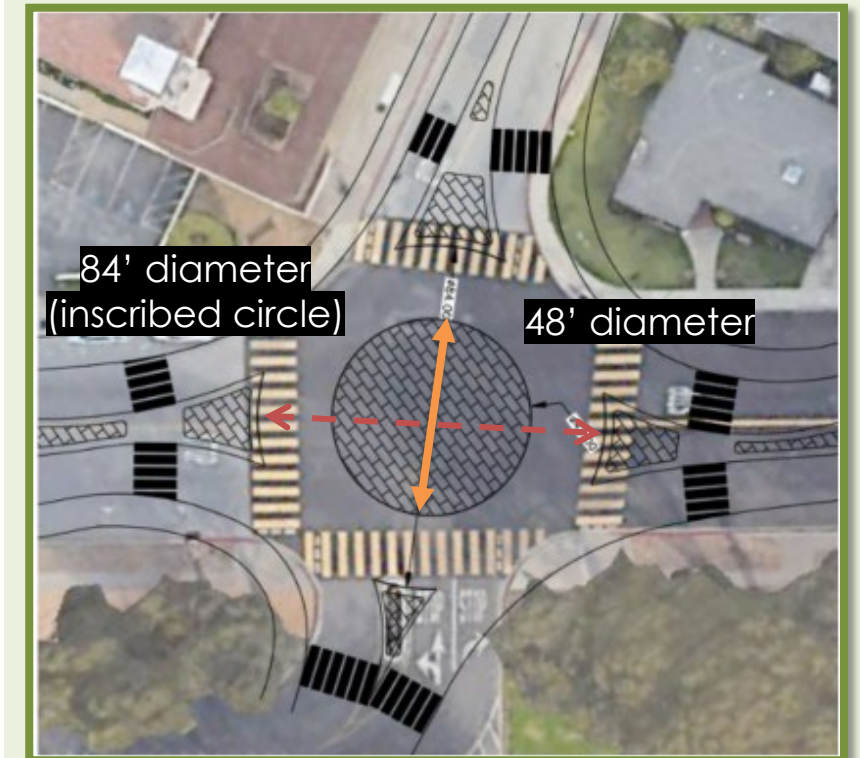
All Way Stop (existing) - AWS



Traffic Signal System - TSS



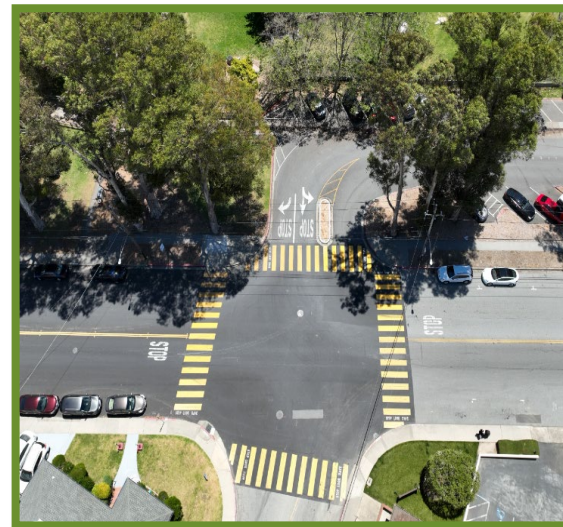
Mini Roundabout – MRA



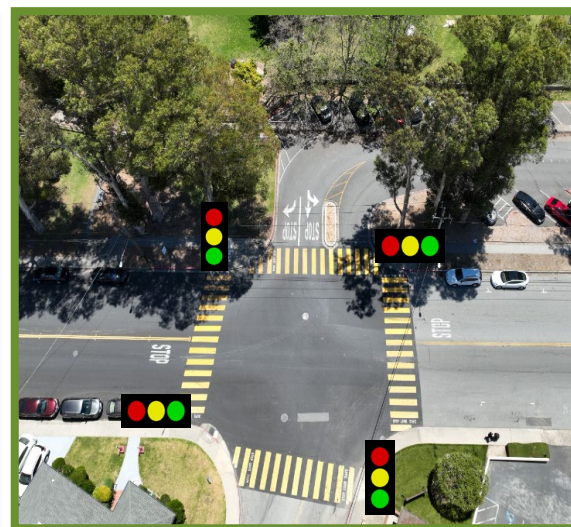
Single-Lane Roundabout – RA-1



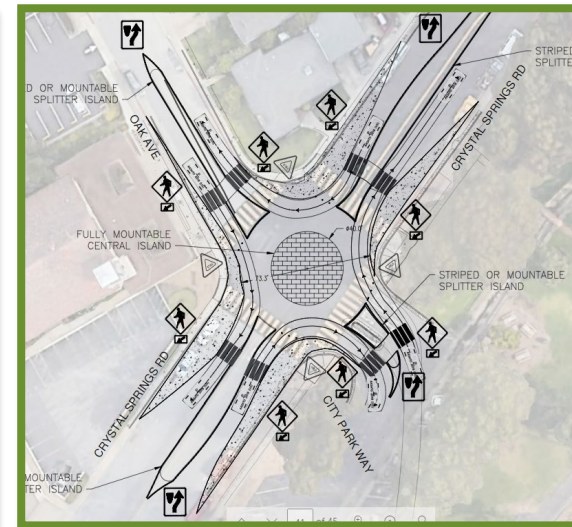
Intersection Control Evaluation (By DKS)



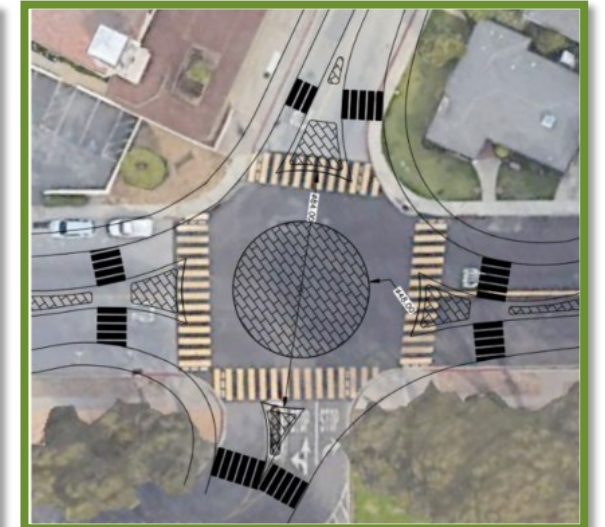
All Way Stop (existing)



Traffic Signal System (TSS)



Mini Roundabout (MRA)



Single-lane Roundabout (RA-1)

<p>Cost</p>	<p>Lowest cost Maintenance Cost: \$331/year</p>	<p>Construction Cost: \$650K Maintenance Cost: \$8000/yr</p>	<p>Construction Cost: \$950K Maintenance Cost: \$3,300/yr</p>	<ul style="list-style-type: none"> Construction Cost: Considerably higher than mini roundabout Operational cost: Comparable to mini roundabout
<p>Level of Service</p>	<p>Currently: "E" Year 2024: "F"</p>	<p>Year 2022: "B" Year 2042: "D" - AM & "C" - PM</p>	<p>Year 2022: "B" Year 2042: "F"</p>	<p>Year 2022: "B" Year 2042: "F"</p>
<p>Safety</p>	<p>Least safety</p>	<ul style="list-style-type: none"> Easier to construct Visually-impaired friendly Inferior to roundabout 	<ul style="list-style-type: none"> Safest alternative Pedestrian & bike friendly Larger Vehicle to drive over the circle Lack audible cues for visually impaired pedestrians 	<ul style="list-style-type: none"> Comparable to MRA Roundabouts lack audible cues for visually impaired pedestrians



Next Step

August 2022 - Traffic Safety and Parking Committee for recommendation

September 2022 - Approval or Directions from City Council

Goal: Construction to begin May/June 2023



Solar PV Update



Motion to set a
Public Hearing date
for June 28, 2022

City to review PPA

PCE to execute
contract with
equipment providers

June 14, 2022
(City Council)

June 28, 2022
(City Council)

July/August 2022

September 2022

November 2022

January 2023

Adopt Resolution:
“Authorizing City
Manager to enter
into PPA with PCE”

PPA Execution with
City Attorney Sign off
and City Manager
signature

Coordination of
install with RAC
Construction



Power Purchase Agreement (PPA)

- Solar Energy Industry Association (SEIA) standard Commercial & Industrial PPA contract
 - City Special Council to review PPA
- 20-year term
 - Maintenance and operations included
 - Minimum solar production guarantee
 - Specified rate for energy generated by the Solar Panel System
- End of term options:
 - Purchase equipment at Fair Market Value (required by tax laws)
 - Request Peninsula Clean Energy remove system
 - Explore other contract options, such as extension of PPA

Projected 20 Year PPA Savings at RAC

Site	Estimates Total Electric Bill Savings (\$/yr)	Estimated Equipment & Administrative Cost (\$/yr)	Net Savings to Customer	20 Year Savings
San Bruno Aquatics Center	\$88k	\$52k	\$36k	\$1.4M

Assumptions:

- Rate and building load assumed, and no historical demand charge data to estimate demand savings
- Yearly costs/savings based on 20-year project life
- Actual equipment and installation costs assumed
- 20 Year Savings Assumes NPV at 2%, with 5% utility rate escalation and 1% PPA escalation
- NEM 3.0 revision could negatively impact financials – time is of the essence

THANK YOU

sanbruno.ca.gov/RecCenterBuild