



Sunnyvale

Sunnyvale Cleanwater Program: Program Update

Council Study Session
February 23, 2021



Sunnyvale Cleanwater Program Update

Introduction to the Cleanwater Program

Update on Construction—Accomplishments and challenges

Update on Design—Cost control strategy

Update on Planning—Looking forward

Water Pollution Control Plant



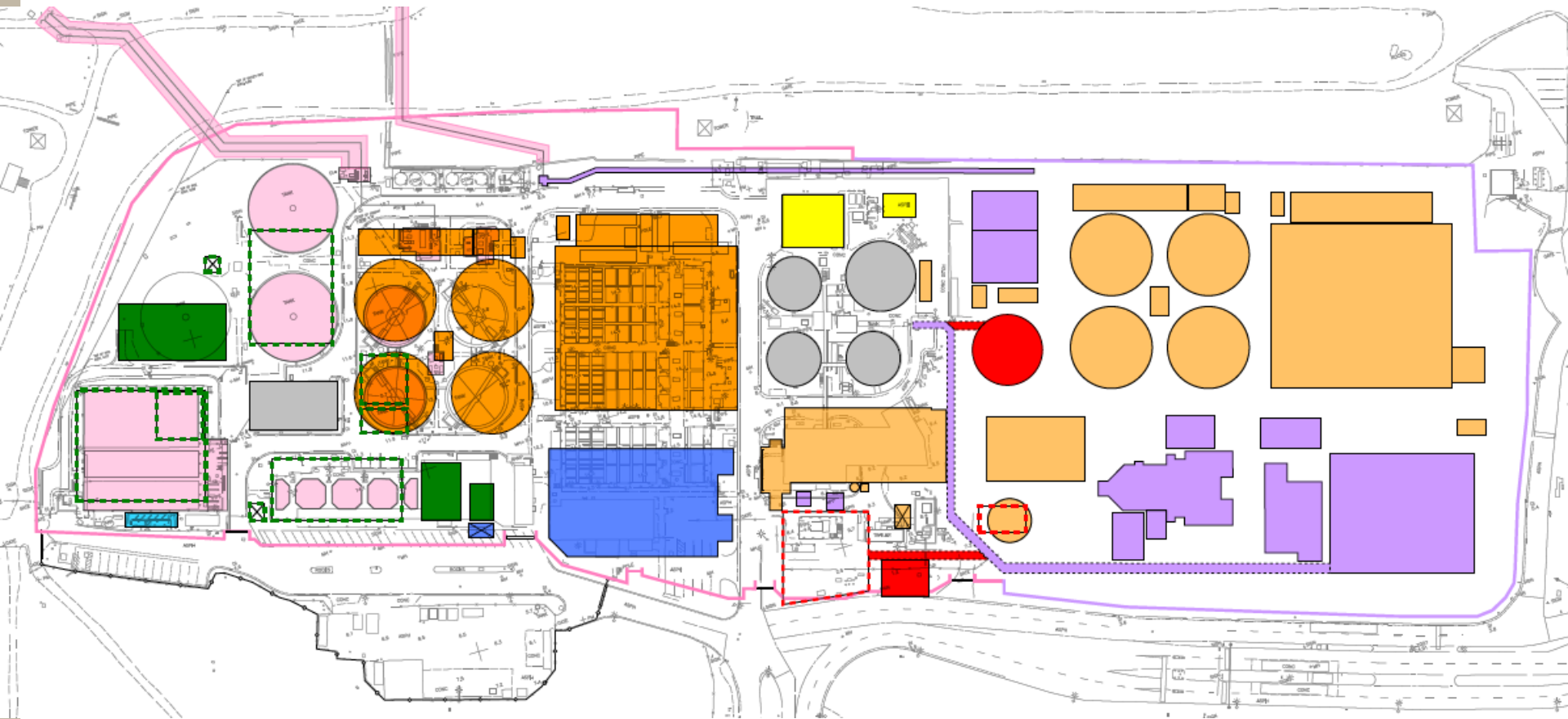
Water Pollution Control Plant



Sunnyvale Cleanwater Program



Sunnyvale Cleanwater Program



Sunnyvale Cleanwater Project Drivers



REGULATIONS



CONDITION



CAPACITY



PERFORMANCE



POLICY

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Caribbean Drive Parking and Trail Access Enhancements



- Completed December 7, 2020
- Partially funded by a grant
- Finished under budget

Headworks/Primary Treatment




Headworks/Primary Treatment



Sunnyvale Cleanwater Program Update

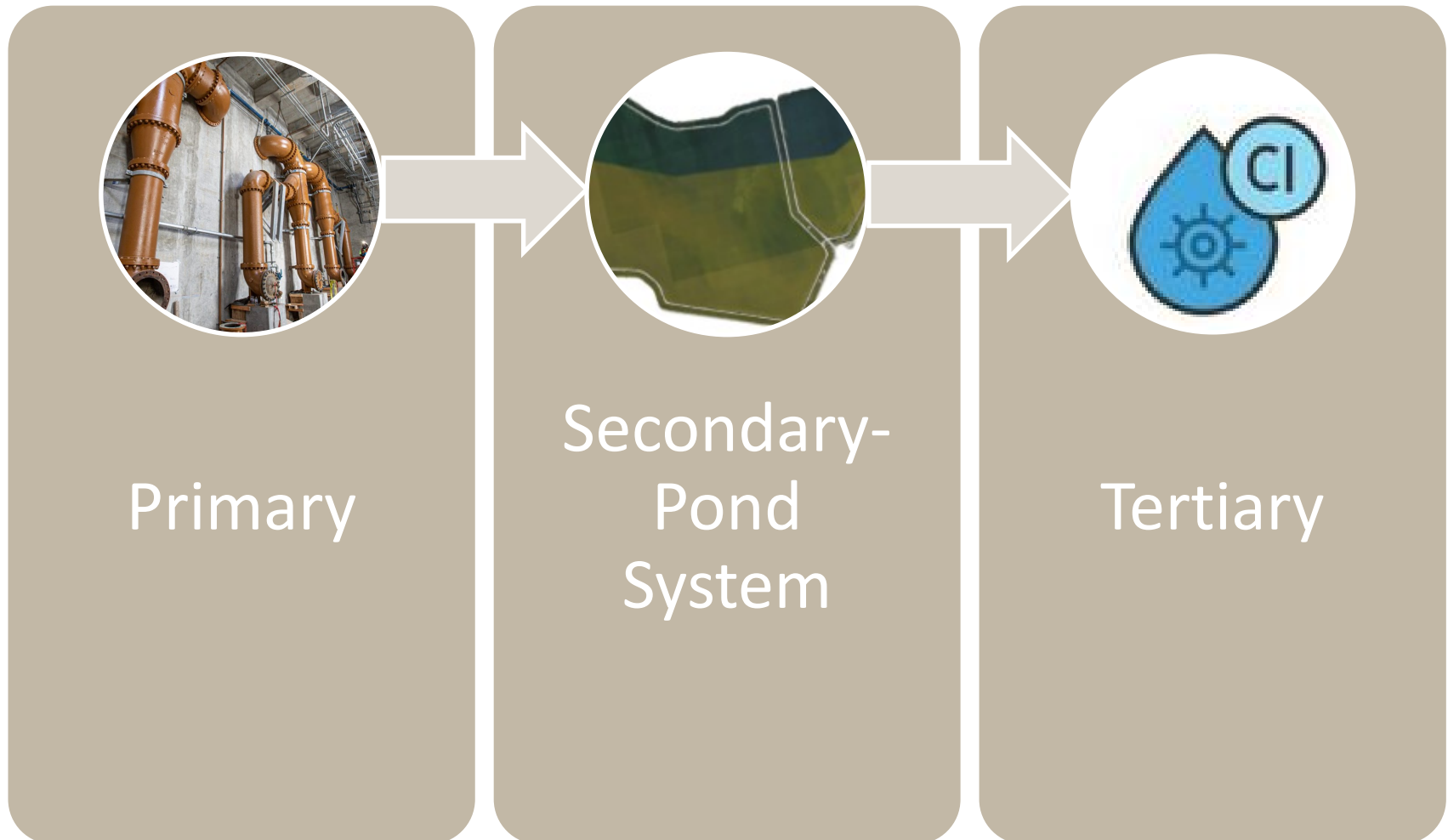
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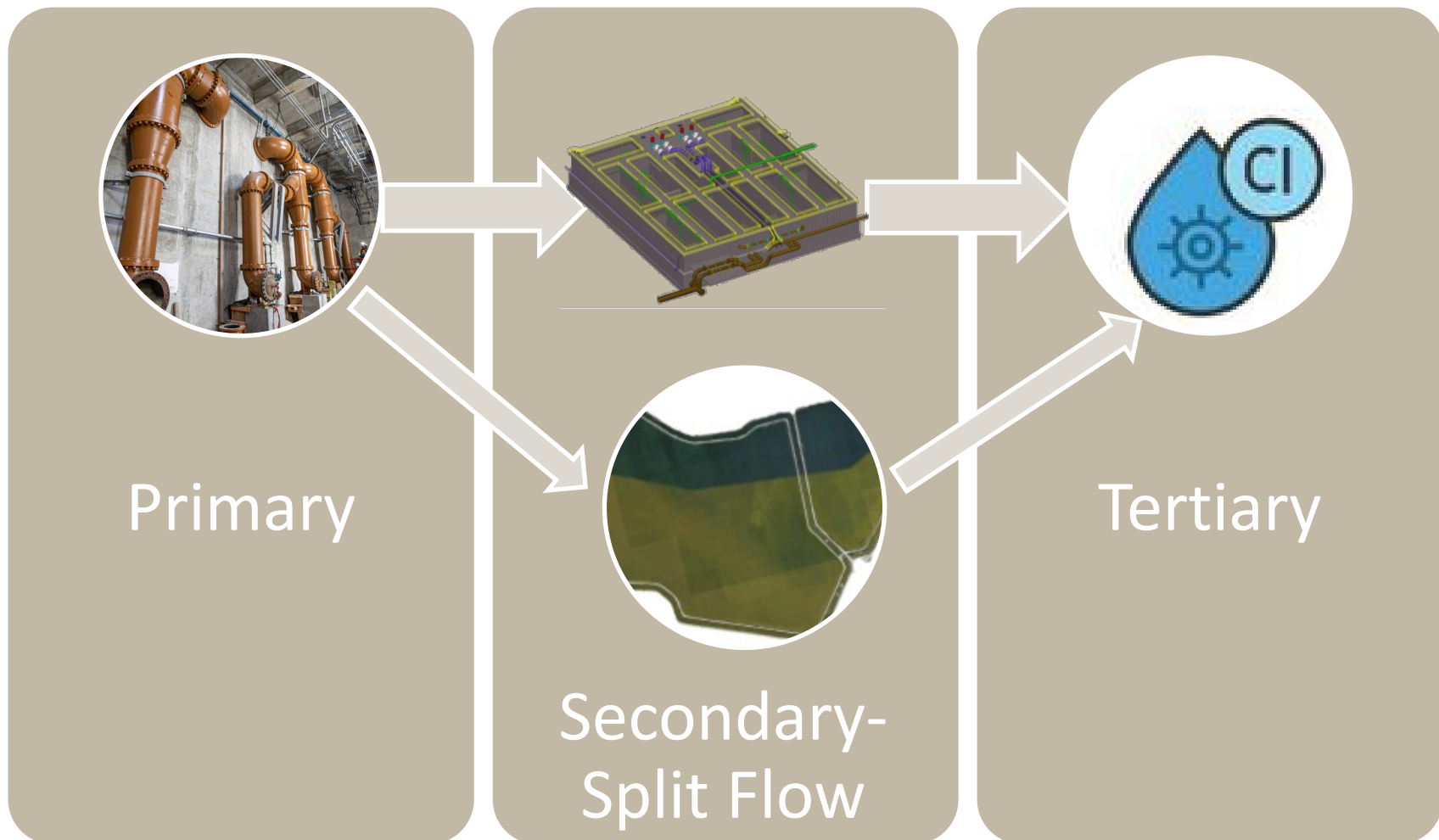
 **Update on Design—Cost control strategy**

Update on Planning—Looking forward

Goal: Improve Biological Treatment



Goal: Improve Biological Treatment



Secondary Treatment/Dewatering—Site Prep



Secondary Treatment/Dewatering



Food Waste—Secondary Treatment/Dewatering



Food Waste

- +\$18M to make this project food-ready
- Solid Waste enterprise will fund the increase
- Future projects may be needed to handle additional food waste

Food Waste—Benefits

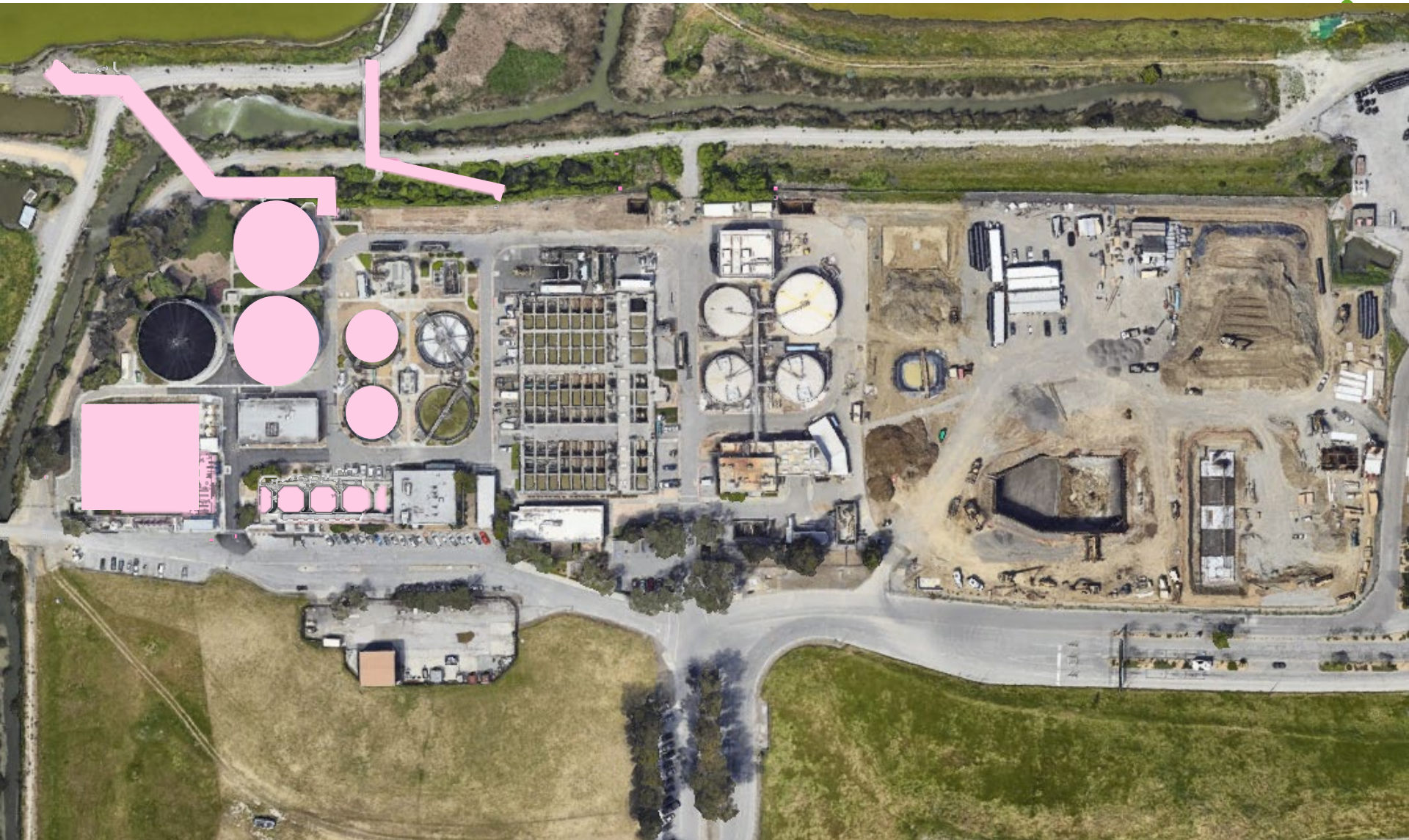
- Meet SB1383 requirement
- Reduce processing and disposal costs
- Reduce truck trips and vehicle emissions
- Increase power generation
- Potential revenue



Food Waste—Other Impacts



Plant Rehab



Plant Rehab



Plant Rehab



Cleanwater Center



Cost Management Strategy

Project Name	Project Number	# of Construction Packages	Adopted Budget	Proposed Budget	Change
Cleanwater Center - Stage 1	833240	1	\$46M	\$5M	(\$41M)
Plant Rehab	833150	3	\$66M	\$74M	\$8M
Secondary	833210	2	\$223M	\$274M	\$33M
Total (Wastewater Mgmt Fund)		6	\$334M	\$334M	\$0
Add Food-Readiness to Secondary	833210	--	--	\$18M	\$18M
Grand Total		6	\$334M	\$352M	\$18M
Cleanwater Center – Stage 2	833xxx	1	--	unfunded \$41-45M	\$41-45

Cost Management Strategy

2021				2022				2023				2024				2025				
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Primary/HW																				
		Site Prep																		
						Secondary Project (Main)														
						Plant Rehab (Main)														
								Perimeter Wall												
														Pipeline Rehab						
																		Site Finish		
												Cleanwater Center (unfunded)								

Cost Management Strategy

2021				2022				2023				2024				2025				
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Primary/HW																				
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\$0

SCWP Reserve

\$?

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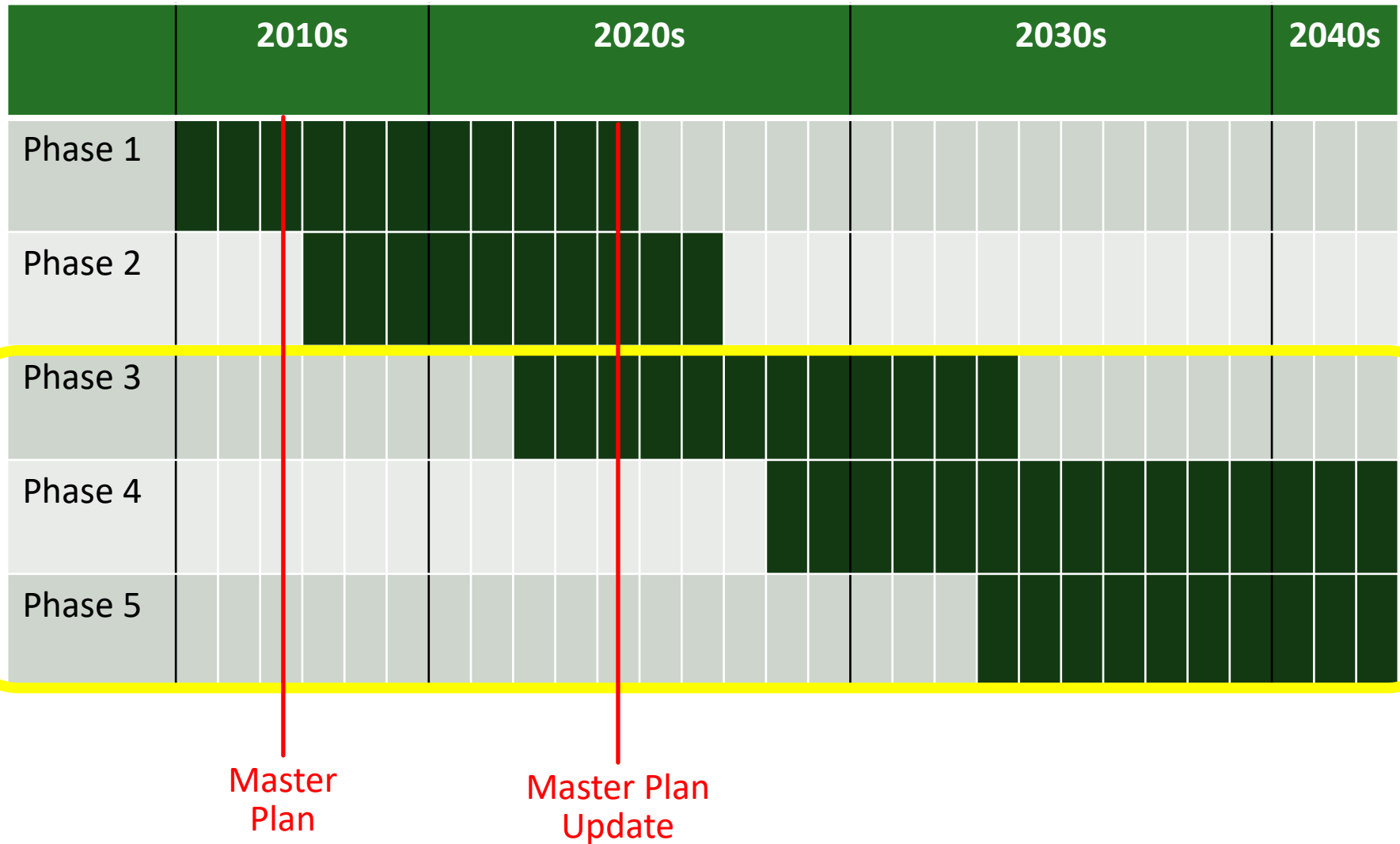
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 **Update on Planning—Looking forward**

Master Plan Update



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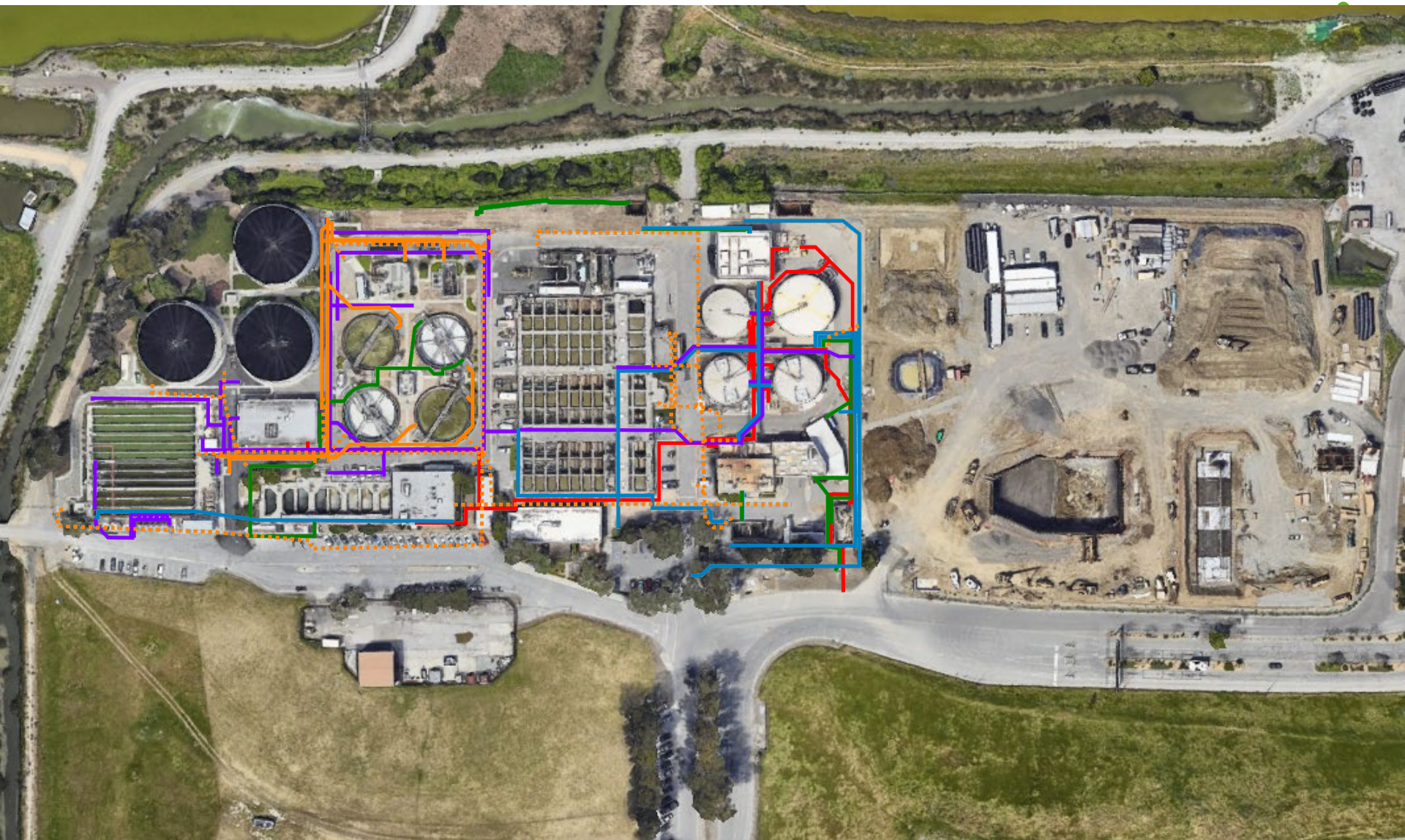
Master Plan Update



Master Plan Update



Phase 3 Condition Assessment



Next Steps

- June 15th—Budget adoption
- Summer 2021—Site Prep contract award
- Spring 2022—Master Plan Update contract award
- Summer 2022—Secondary (Main) contract award
- Summer 2022—Plant Rehab (Main) contract award



Questions?