

# Secondary Treatment and Dewatering Project Design

CITY COUNCIL MEETING

August 22, 2017





### Plant Site and Background



- Built in the 50's 70's
- 440 acres of ponds
- 16.5 acres of land

- 14 MGD (avg. dry weather flow)
- 29.5 MGD (permitted)

#### **Prior Council Communication**

- Award Master Plan and Primary Treatment Facility Design Contract (5/7/13)
- Award Program Management Contract & Renewal (3/25/14 & 3/28/17)
- Council Study Session (6/24/14)
- Award Construction Management Contract (5/5/15)
- Adopt MND for the Primary Treatment Facility (5/5/15)
- Gap Project Awards (2011-2016)
- Council Study Session (8/25/15)
- Award Construction Contract for Primary Treatment Facility
  - Package 1 (5/7/16)
  - Package 2 (5/23/17)
- Certify the PEIR and Approve the Master Plan (8/23/16)
- Council Study Session (3/7/17)
- Award Caribbean Drive Parking & Trail Access Design (3/7/17)
- Award Condition Assessment Design Contract (4/25/17)

## Package 1 Construction



#### Secondary Treatment and Dewatering

- Combine the <u>design</u> of the following program elements:
  - Secondary Treatment Improvements Stage 1
  - Maintenance Building
  - Thickening and Dewatering Facility Stage 1
  - Digester Pump Station & Piping Upgrades

- Construction may have more than one bid package
- Project Budget = \$168M

## Project Locations & Relationships



#### **Procurement Timeline**

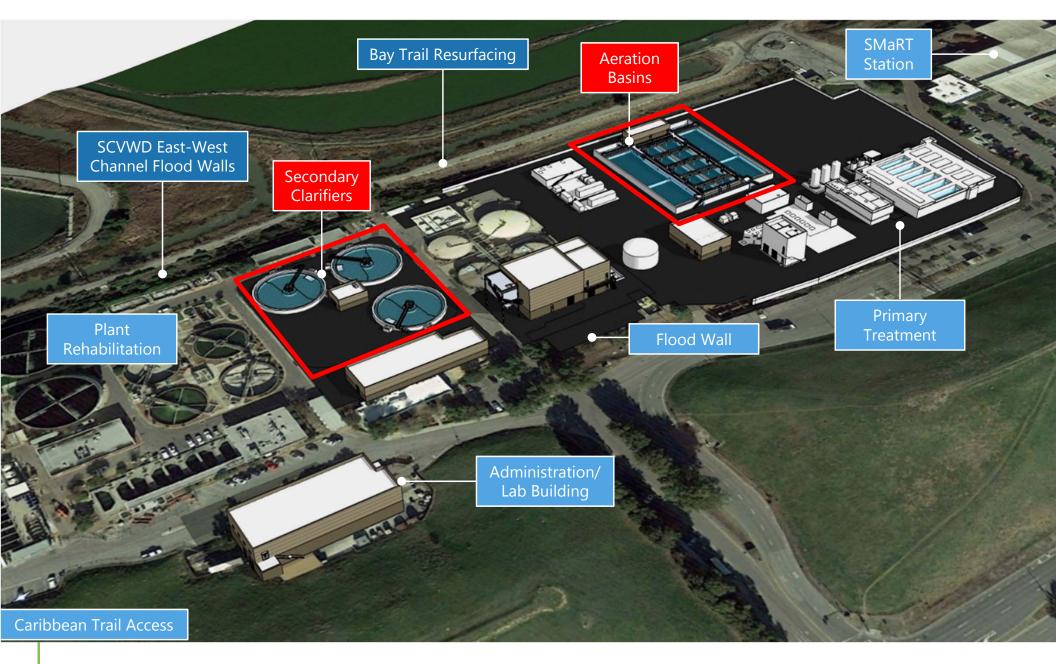
RFP Advertised	02/09/17
2 proposals received	04/12/17
Presentations	05/12/17
Negotiations	06/01 – 07/13/17

### Carollo /CH2M Qualifications

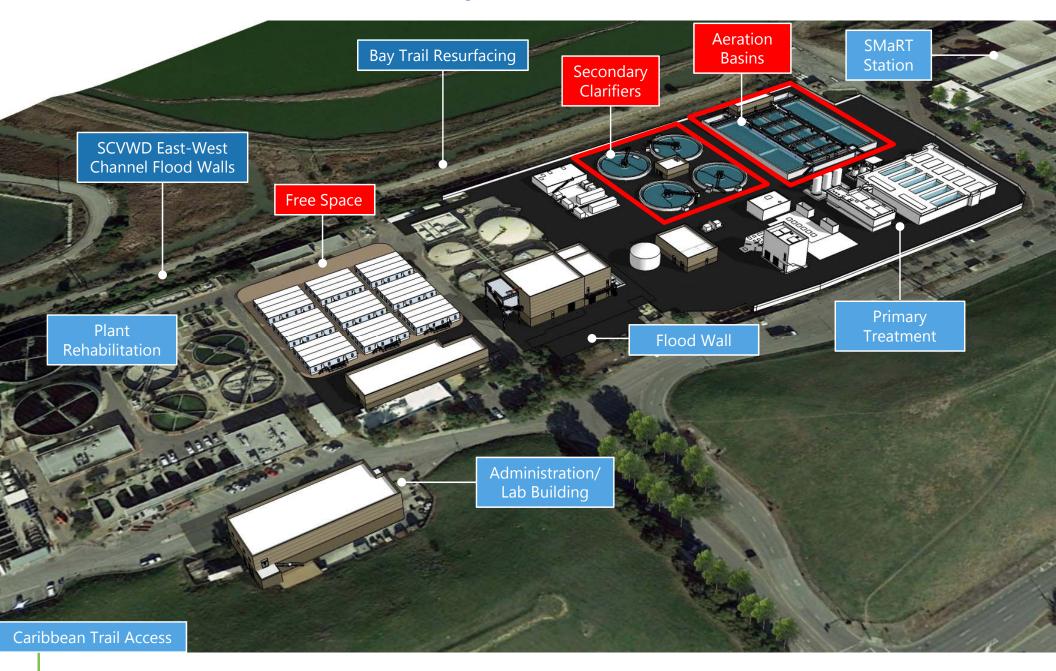
- Highly experienced, qualified staff
- Leverage technology to improve treatment and cost efficiency
- Depth of technical expertise
- Strong QA/QC approach



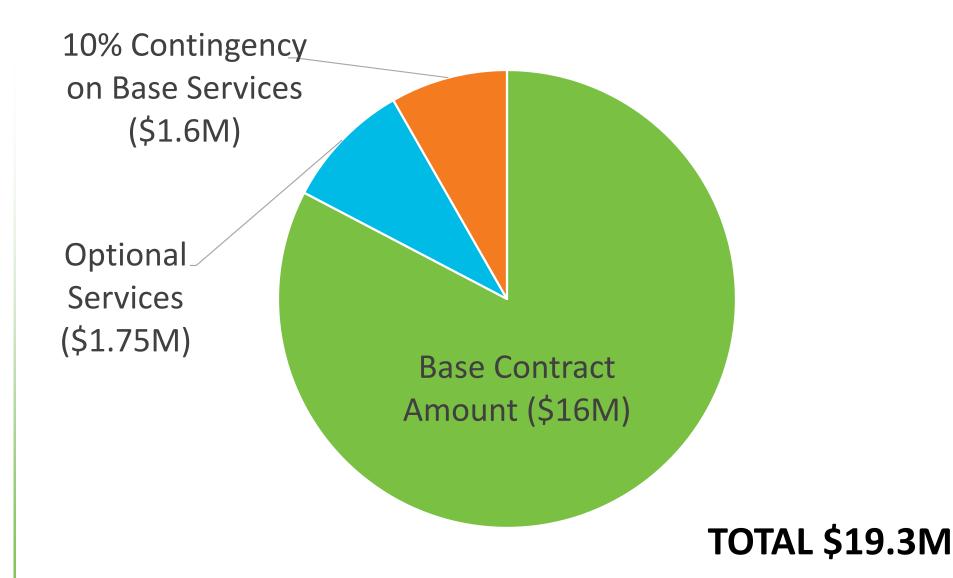
### Master Plan Site Layout



### Alternate Site Layout



#### Cost Breakdown



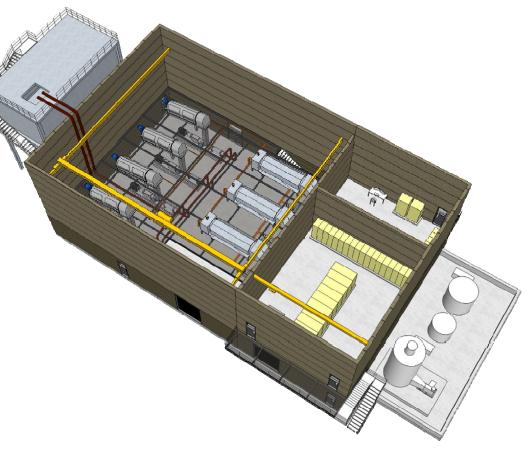
#### **Next Steps**

#### **Current**

- Award to Carollo Engineers
- Begin SecondaryTreatment and DewateringDesign

#### **Upcoming SCWP**

- Award Admin & Lab
   Building Design (Sept. 12)
- Complete Condition
   Assessment and continue design on Caribbean Drive
- Continue Package 2 construction







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