



Photo: Existing Headworks Motor Control Center to Be Replaced in Project

Project Name: WWTP - Elec/Mech Rehab & Sludge Holding Tank Replacement Project
Project Location: Wastewater Treatment Plant
Project Manager: Treanor
Project Number: 18-01
Status: In 90% Design Phase
Project Description: The WWTP Rehabilitation Phase II Project is a multi-area project at the WWTP aimed at mitigating risk of failure in the Influent Pump Station, Headworks, 3W/Chlorine Analyzer Building, Effluent Building and Sludge Storage Tank. Most of the work involves replacing aged electrical and mechanical equipment in existing buildings.
Department: Treatment
Budget Status: Budget: \$9,150,000
 Actual to Date: \$630,673
Reclamation Share: Estimated at 4% of project cost. Actual share TBD based on Construction Costs.
Other Entities: Pebble Beach Community Services District, CAWD/PBCSD Reclamation Project
Permits Required: Coastal Development Permit
Challenges: Coastal Commission
Schedule:

- Design to be completed in 2019
- Construction anticipated for 2020 through 2021

Consultants: Kennedy/Jenks Consultants (Design Engineer)
Contractor: TBD

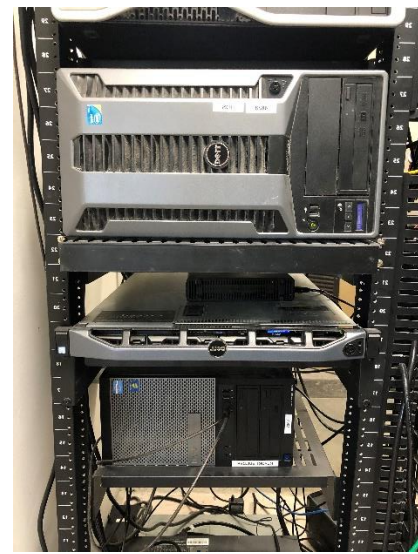


Photo: Existing Server Hardware that will be replaced in Project

Project Name: Ops Building Historian and Reporting
Project Location: Wastewater Treatment Plant
Project Manager: Foley
Project Number: 18-02
Status: In procurement phase.
Project Description: The report writer and historian system provide historical data for compliance and process reports. The existing system is connected to the legacy Supervisory Control and Data Acquisition (SCADA) system. This project will update the reporting hardware and software and integrate the system with the updated SCADA system.
Department: Treatment
Budget Status: Budget: \$77,245
 Actual to Date: \$36,503
Reclamation Share: Estimated at 50%.
Schedule:

- Design to be completed in 2019
- Report and Historian configuration to be completed by June 2020.

Consultants: Worksmart Automation
Contractor: N/A

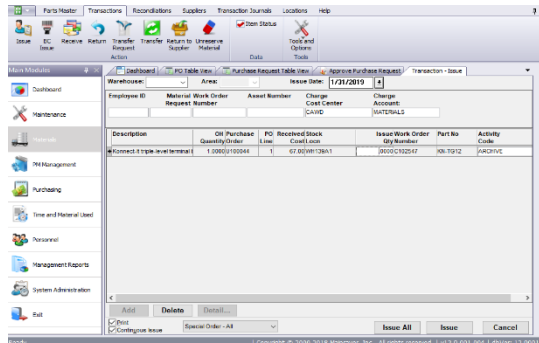


Photo: Mainsaver CMMS Dashboard

Project Name: Computerized Maintenance Management Software (CMMS) Improvements

Project Location: Wastewater Treatment Plant

Project Manager: Foley

Project Number: 18-03

Status: Final Testing Phase

Project Description The CMMS system tracks work orders, assets and inspections for the treatment plant and reclamation facility. Staff perform inspections of the equipment and currently write down the data and then double enter into the computer system. This project will update the software to the latest version and provide a new mobile module so that inspection rounds and work orders can be completed in the field saving duplicate data entry and providing information to staff while in front of the equipment. This will reduce errors in data entry and improve efficiency by providing staff with improved resources when inspecting and maintaining equipment.

Department: Maintenance

Budget Status: Budget: \$100,000
Actual to Date: \$94,036

Reclamation Share: Estimated at 50%.

Schedule: • Completion in Spring of 2020.

Consultants: JB System DBA Mainsaver

Contractor: N/A

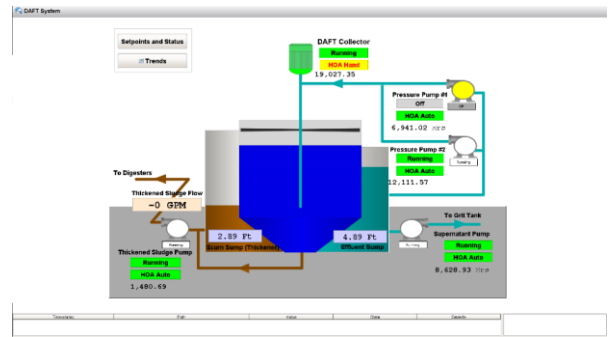


Photo: DAFT SCADA Overview

Project Name: Programmable Logic Controller (PLC) and Supervisory Control and Data Acquisition (SCADA) Programming Project

Project Location: Wastewater Treatment Plant

Project Manager: Foley

Project Number: 18-05

Status: In progress

Project Description During the phase 1 project a new SCADA software package from Inductive Automation was installed in parallel with the existing system. This project includes the migration of the remaining SCADA screens from the legacy system to the new system. The PLC code is also being updated to the CAWD standards that are being developed during this project. This project is necessary to replace obsolete software and hardware so that the automated controls, alarms and reporting remain accurate and reliable.

Department: Treatment

Budget Status: Budget: \$300,000
Actual to Date: \$160,281

Reclamation Share: Partial Reclamation

Schedule:

- Existing SCADA to be migrated in 2020
- SCADA screens will be revised for equipment that is replaced during Mechanical and Electrical Rehabilitation Project

Consultants: Informative Controls

Contractor: N/A



Photo: Digester No. 1

Project Name: Digester No. 1 & Old Digester No. 2 Purging and Cleaning

Project Location: Wastewater Treatment Plant

Project Manager: Treanor

Project Number: 18-07

Status: Bid/Award

Project Description: Digester No. 1 hasn't been cleaned in 19-years. Rule of thumb would be to clean every 10 years. A contractor will clean Digester No. 1 which is anticipated to have a considerable unknown amount of debris buildup in the digester. After cleaning Digester No. 1 will remain offline until rehabilitation can occur. Old Digester No. 2 is planned to be demolished. Old Digester No. 2 will be drained by staff as it will not have debris buildup because it was a Secondary Digester (Treating supernatant from Digester No. 1).

Department: Treatment

Budget Status: Budget: \$125,000
Actual to Date: \$0

Reclamation Share: N/A

Other Entities: N/A

Permits Required: N/A

Challenges: Unknown quantity of debris in Digester No. 1

Schedule:

- Work to occur in Fall/Winter 2019

Consultants: N/A

Contractor: TBD



Photo: Example Trailer Standby Generator

Project Name: Standby Power Reliability Project

Project Location: Wastewater Treatment Plant

Project Manager: Treanor

Project Number: 18-08

Status: In 50% Design Phase

Project Description: This project involves purchasing a trailer mounted 750kW generator to serve as a full capacity backup to the existing standby system in case the existing 750kW generator were to fail. The Main Switchgear would be reprogrammed to run off one generator with a standby (instead of the current split bus system). This would allow removal of the existing 450kW generator (which has obsolete controls and is not capable of powering the entire WWTP if the 750kW were to fail during a power outage).

Department: Treatment

Budget Status: Budget: \$730,000
Actual to Date: \$800.00

Reclamation Share: N/A

Other Entities: N/A

Permits Required: Air Board Permit

Challenges: N/A

Schedule:

- Design to be completed in 2019
- Construction anticipated for 2020

Consultants: Beecher Engineering

Contractor: TBD



Photo: Secondary Clarifier after new coating was applied.

Project Name: Secondary Clarifier No. 1 Coating Rehabilitation

Project Location: Wastewater Treatment Plant

Project Manager: Foley

Project Number: 18-09

Status: Construction Complete and Punchlist items in progress

Project Description: This project will replace the secondary clarifier No. 1 mechanical equipment and bridge with new unit components. The metal components will be abrasive blasted and then coated. As part of the replacement updated controls will allow improved process control of the skimming arm speed.

Department: Treatment

Budget Status: Budget: \$250,000
Actual to Date: \$279,945

Reclamation Share: 0%

Schedule:

- Construction complete in summer of 2019
- Asset will be placed back in service in fall of 2019

Consultants: None

Contractor: ERS Industrial, Rebuild-It



Photo: Existing Gas Conditioning System

Project Name: Microturbine Integration Project

Project Location: Wastewater Treatment Plant

Project Manager: Treanor/Foley

Project Number: 18-11

Status: In Pre-Design Phase

Project Description: Replacement of existing gas conditioning equipment and additional upgrades to the Microturbine system to integrate the new 60 kW turbine. The gas compressor failed this year and is being replaced. The gas conditioning system has many components that are in poor condition and therefore it may be more cost effective to build a complete package system instead of continuing to fix minor components and have extended outages of the microturbine energy production due to component failures. Going with a new package system would be an improvement over the existing system which is not integrated. Also, a new gas conditioning system could be sized so that the microturbines could operate at maximum production given that a larger 60kW generator was installed recently.

Department: Treatment

Budget Status: Budget: \$510,000
Actual to Date: \$11,290

Reclamation Share: N/A

Other Entities: N/A

Permits Required: Air Board Permit, Coastal Commission Immaterial Amendment

Challenges: N/A

Schedule:

- Pre-Design to be completed in 2019/2020
- Final Design to be completed in 2020/2021-Construction anticipated for 2021

Consultants: Engine System Integrated

Contractor: TBD



Photo: View H2S damage to Calle La Cruz wet well

Project Name: H2S Control at Calle La Cruz Pump Station

Project Location: Collection System

Project Manager: Lauer

Project Number: 18-16

Status: Testing

Project Description: H2S gasses are causing damage to the wet well and are a health hazard. H2S readings of 700ppm have been observed. Staff have tried several different products and found CN-9 (Calcium Nitrate) to work. Working on dosage.

Department: Collections

Budget Status: Budget: \$0
Actual to Date: \$0

Permits Required: N/A

Challenges: Getting the right dosage to remove odor. Dealing with source of problem.

Schedule:

Contractor:



Photo: View of a temporary repair of a manhole in Hatton Canyon

Project Name: Hatton Canyon Pipe Bursting

Project Location: Collection System

Project Manager: Lather

Project Number: 18-17

Status: Bids opened 07-25-19. FEMA/OES award received after deadline to construct in 2019. Plan to re-bid in spring 2020.

Project Description: Replace 5,570 linear ft. of 60-year old 8" vitrified clay, bell & spigot pipeline within Hatton Canyon, Experienced over 3 spills in past 20 years due to flooding. Replace with 10" butt welded HDPE pipe that will be watertight & anchored into upgraded manholes.

Department: Collection

Budget Status: Budget: \$1,450,000
Bid: \$1,038,000
Actual to Date: \$265,861

Other Entities: State Parks; Fish & Wildlife, Army Corps, FEMA, CalOES

Permits Required: State Parks Easement, Army Corps, U.S. Fish & Wildlife, State Fish & Wildlife, and Monterey County Encroachment Permit.

Challenges: The project is located in a State Parks easement along the west bank of Hatton Creek. Existing access road is surrounded by riparian habitat.

Schedule: Work required to be completed between June – October. Plan to construct project in 2020.



Photo: Pump station Control Panel- PLC and Operator Interface will be upgraded at Pump stations.

Project Name: Pump Station PLC/SCADA Replacement

Project Location: Collections Pump Stations

Project Manager: Foley

Project Number: 18-18

Status: Design Complete and Control Panel Assembly in Progress

Project Description: This project will replace the obsolete Programmable Logic Controllers at 7 sewage pump station. The PLC programming will be updated, and the Supervisory Control and Data Acquisition Visualization screens will be updated to the Ignition SCADA software.

Department: Treatment

Budget Status: Budget: \$600,000
Actual to Date: \$330,737

Reclamation Share: 0%

Schedule:

- Construction complete in Fall of 2019

Consultants: Frisch Engineering

Contractor: Technical Systems, Inc

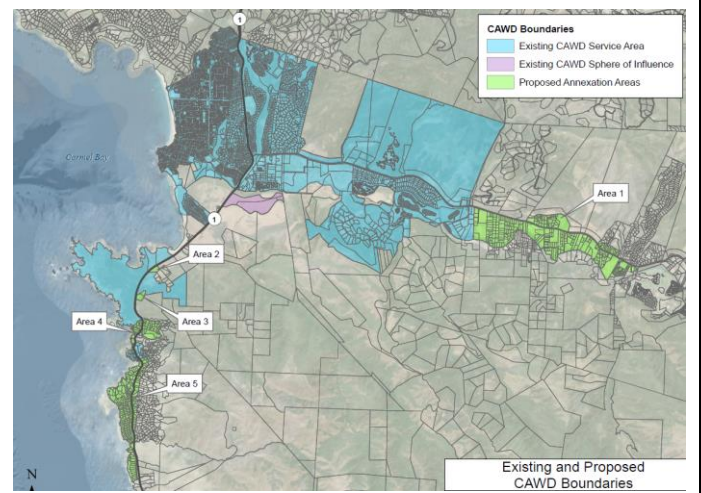


Photo: Areas of Potential Annexation

Project Name: Assessment District/Annexations

Project Location: Collection System

Project Manager: Lather

Project Number: 19-04, -05, -08, -09, 18-21

Status: Developing CEQA Documents

Project Description: The project will remove existing homes and businesses from using septic tanks and add approximately 350 connections to the District at build-out. Interested areas include Corona Road, Riley Ranch, Carmel Valley Manor and Yankee Point.

Department: Collections

Budget Status: Budget: \$50,000
Actual to Date: \$9,088

Permits Required: Environmental Review, LAFCO Approval

Challenges: Getting homeowner groups to form an Assessment District to pay for infrastructure needed to connect to our sewer system.

Schedule: Complete Environmental Review by December 2019 and LAFCO Annexation in February 2020.

Consultant: Denise Duffy & Associates



Photo: Existing Coagulation/Flocculation System and Sand Filters

Project Name: Reclamation Sand Filter Rehabilitation

Project Location: Wastewater Treatment Plant
Reclamation Project

Project Manager: Ed Waggoner

Project Number: 18-24

Status: In 95% Construction/Maintenance Phase

Project Description The Coagulation/Flocculation and Sand Filter equipment was bypassed and taken offline in 2008 once the Microfiltration and Reverse Osmosis Project started operation. These systems are being Rehabilitated and returned to service to provide pretreatment and phosphorous removal to allow more flow recovery on the Reverse Osmosis System.

Department: Treatment

Budget Status: Budget: \$60,000.00
Actual to Date: \$31,000

Reclamation Share: 100% of project cost.

Other Entities: CAWD/PBCSD Reclamation Project

Permits Required: No Permits required as project is a maintenance project

Challenges: Age of mothballed equipment.

Schedule:

- Design to be completed in 2018
- Maintenance anticipated for Fall of 2019

Consultants: In house (Design Plant Engineer)

Contractor: In house staff



Photo: Equalization Basin Variable Frequency Drives

Project Name: EQ Basin Pump Electrical/Mechanical

Project Location: Wastewater Treatment Plant

Project Manager: Foley

Project Number: 18-25

Status: Complete

Project Description The equalization basin is utilized to store influent flow in order to provide more consistent flow to the reclamation facility since influent flows vary greatly during a 24-hour period. This project will install a second redundant pump and replace the obsolete controls with two new variable frequency drives. This project will improve reliability and operation of the basin.

Department: Reclamation

Budget Status: Budget: \$80,000
Actual to Date: \$73,373

Reclamation Share: Estimated at 100%.

Schedule:

- Design to be completed in 2019
- Report and Historian configuration to be completed by June 2020.

Consultants: Informative Controls

Contractor: Mailey Electric



Photo: Existing totes used for Sulfuric Acid storage and Feed

Project Name: RO Pretreatment Acid Tanks and Containment
Project Location: Reclamation – MF/RO
Project Manager: Treanor
Project Number: 18-26
Status: On Hold

Project Description: Code compliance upgrades for existing acid chemical storage and feed system used by Reclamation for enhancing RO recovery. Project includes code compliant secondary containment and separation of dissimilar chemicals.

Department: Treatment

Budget Status: Budget: \$290,000
Actual to Date: \$68,506

Reclamation Share: 100%

Other Entities: Reclamation Project

Permits Required: Coastal Development Permit

Challenges: N/A

Schedule:

- On hold for Coastal Commission

Consultants: Trussell Technologies, Inc

Contractor: TBD



Photo: Eucalyptus trees on South Side of Treatment Plant

Project Name: Perimeter Tree Plan and Implementation
Project Location: Wastewater Treatment Plant
Project Manager: Treanor
Project Number: 18-28
Status: In Study Phase

Project Description: Planning and landscaping around the treatment plant. This will include looking into possibly replacing the non-native eucalyptus trees around the perimeter of the treatment plant with native tree species. The project will start with a study and plan to determine costs, sequencing schedule, and visual impacts.

Department: Treatment

Budget Status: Budget: \$120,000
Actual to Date: \$0

Reclamation Share: N/A

Other Entities: N/A

Permits Required: Currently unknown

Challenges: Time it will take for new trees to grow up that will fully screen treatment plant from view

Schedule:

- Study to occur in 2019

Consultants: Scott Hall Landscape Design

Contractor: TBD

SEPTEMBER RANCH
PHASE I
SUBDIVISION IMPROVEMENT PLANS
CARMEL VALLEY, CALIFORNIA

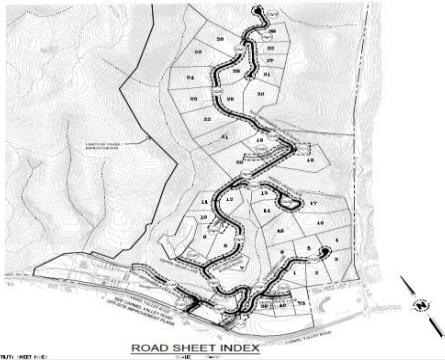


Photo: View new home development

Project Name: September Ranch Subdivision

Project Location: Collection and Water System

Project Manager: Lather

Project Number: 18-29

Status: Study

Project Description: New Subdivision with sewer and water services. CAWD is completing review of water system design, operations, and rates in order to decide if it is feasible to accept the water system.

Department: Collection

Budget Status: Budget: Paid by Clear Peak Bid: \$N/A
Actual to Date: \$35,000

Other Entities: Clear Peak

Consultants: SRT Consultants -reviewing on behalf of CAWD
Raftelis – providing rate study

Permits Required: N/A

Challenges: Groundwater treatment and reliability concerns.

Schedule: Phase I is anticipated to start construction in 2020 if CAWD accepts water system



Photo: Old Flood Door in Headworks Basement

Project Name: Critical Process Onsite Flood Adaptations

Project Location: Wastewater Treatment Plant

Project Manager: Treanor

Project Number: 19-01

Status: In Design Phase

Project Description: There are a few areas of the WWTP that may be vulnerable to inundation during a 100-year river flooding event. Although the likelihood of inundation is low and the impact short term, it would be prudent to mitigate any possible impacts of flooding on the treatment process. The areas that could be further adapted to avoid flooding inundation are: Headworks Basement Flood Door, Influent Access Hatch, Secondary Effluent Diversion Structure Hatches, Chlorine Contact Channel Hatches, Waste Gas Burner Operations.

Department: Treatment

Budget Status: Budget: \$100,000
Actual to Date: \$0

Reclamation Share: 15% Reclamation

Other Entities: Reclamation Project

Permits Required: Coastal Development Permit

Challenges: N/A

Schedule:

- Planning in 2019
- Modifications in 2020

Consultants: N/A

Contractor: TBD

PRE-TREATMENT ORDINANCE
2020-XX



CARMEL AREA WASTEWATER DISTRICT

Project Name: Update Pretreatment Ordinance

Project Location: Pretreatment/Collections

Project Manager: Lather/De Ocampo/Waggoner

Project Number: 19-02 Pre-Treatment Ordinance

Status: Plan to start November 2019

Project Description: Prepare a Pre-Treatment Ordinance that is in compliance with the current standard of practice and the State Water Resources requirements.

Department: Treatment

Budget Status: Budget: \$0.00

Reclamation Share: n/a

Other Entities: n/a

Permits Required: none

Challenges: none

Schedule:

- Complete Draft Ordinance for review in January 2020.
- Board approval of Ordinance in March 2020.

Consultants: none

Contractor: none



Photo: View gravity pipe in Carmel easement

Project Name: Carmel Meadows Pipeline

Project Location: Collection System

Project Manager: Lather

Project Number: 19-03

Status: Preliminary design

Project Description: The project will replace 1300 feet of Ductile Iron Pipe (DIP) on an aerial span and eight manholes by constructing a small pump station at the end of Mariposa Drive. This project is located on an easement parallel to Ribera Road and was originally installed in the early 1960's.

Department: Collections

Budget Status: Budget: \$1,324,000
Actual to Date: \$30,000

Permits Required: Coastal Permit and Environmental Review

Challenges: Redirecting the sewer to the pump station without requiring booster pumps for individual houses.

Schedule: Design FY19/20. Construct FY20/21.

Consultants: SRT Consultants

Contractor: n/a

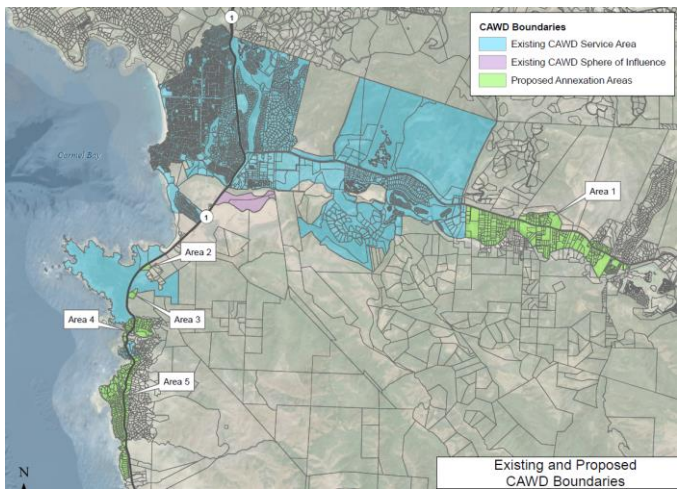


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Project Location: Collection System
Project Manager: Lather
Project Number: 19-04, -05, -08, -09, 18-21
Status: Developing CEQA Documents
Project Description: The project will remove existing homes and businesses from using septic tanks and add approximately 350 connections to the District at build-out. Interested areas include Corona Road, Riley Ranch, Carmel Valley Manor and Yankee Point.
Department: Collections
Budget Status: Budget: \$50,000
 Actual to Date: \$9,088
Permits Required: Environmental Review, LAFCO Approval
Challenges: Getting homeowner groups to form an Assessment District to pay for infrastructure needed to connect to our sewer system.
Schedule: Complete Environmental Review by December 2019 and LAFCO Annexation in February 2020.
Consultant: Denise Duffy & Associates

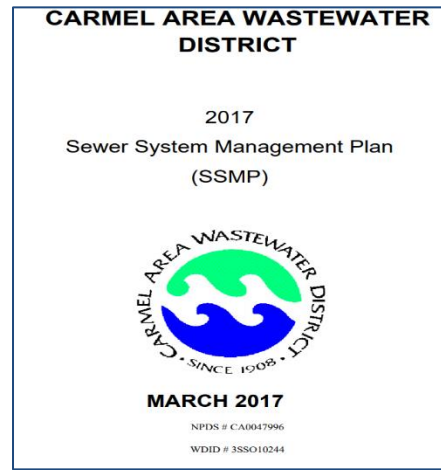


Photo: SSMP to be Audited

Project Name: Collection System SSMP
Project Location: Collection System
Project Manager: Lather
Project Number: 19-06
Status: Audit Started
Project Description: Perform an audit of the 2017 SSMP and update in accordance with audit findings and current standards.
Department: Collection
Budget Status: Budget: \$30,000
 Actual to Date: \$0
Other Entities: N/A
Permits Required: N/A
Challenges: Collecting and analyzing information.
Schedule: Complete Update of SSMP in November 2019.
Consultant: Causey Consulting



Photo: View CIPP Liner being installed

Project Name: Rio Rd CIPP Lining project
Project Location: Collection System
Project Manager: Lather
Project Number: 19-07
Status: Design
Project Description: The rehabilitation of 4000 feet of 24 to 27-inch diameter Asbestos Cement Pipe (ACP) trunk line that runs along Rio Road in Carmel. Lining existing pipe with (CIPP) Cured-In-Place Pipe.
Department: Collections
Budget Status: Budget: \$1,340,000
 Actual to Date: \$0
Permits Required: N/A
Challenges: Traffic Control.
Schedule: Construct late Spring 2020.
Consultant: Design by Kennedy/Jenks
Contractor: TBD



Photo: New #1 Water System where Corrosion System Project will be Installed

Project Name: WWTP – 1 Water Corrosion Control Project
Project Location: Wastewater Treatment Plant
Project Manager: Ed Waggoner
Project Number: 19-10
Status: In 50% Design/Research Phase
Project Description: The number 1 Potable Water Distribution System was installed in the early 1970's when secondary processes were constructed at CAWD. The main piping is ductile iron pipe with service laterals of copper and galvanize pipes. To prevent rust and pipe damage to the system, technology will be installed to extend the life of the piping system using chemicals or ionization equipment.
Department: Treatment
Budget Status: Budget: \$30,000
 Actual to Date: \$5,100
Reclamation Share: Estimated at 1% of project cost.
Other Entities: CAWD/PBCSD Reclamation Project
Permits Required: Coastal Development Permit
Challenges: Using New technologies (Lorex Company)
Schedule:

- Design to be completed in 2019
- Construction anticipated for December 2019

Consultants: In house (Design Plant Engineer)
Contractor: TBD



Photo: View of sewer line being replaced



Photo: Sound Barriers partially installed around High Pressure RO Pumps

Project Name: Monte Verde & 2nd sewer line replacement

Project Location: Collection System

Project Manager: Lather

Project Number: 19-11

Status: In Construction

Project Description: Replacement of damaged 6" sewer line with 8" line. This segment has had 2 previous SSO's and is under capacity. Replacing line prior to road resurfacing project.

Department: Collection

Budget Status: Budget: \$150,000
Bid: \$91,100
Actual to Date: \$0

Other Entities: N/A

Permits Required: N/A

Challenges: Narrow road with multiple buried utilities.

Schedule: Construction in September-October 2019.

Contractor: Monterey Peninsula Engineering

Project Name: MF/RO Sound Barriers

Project Location: Reclamation – MF/RO

Project Manager: Treanor

Project Number: 19-12

Status: Construction in progress

Project Description: Code compliance upgrades for existing acid chemical storage and feed system used by Reclamation for enhancing RO recovery. Project includes code compliant secondary containment and separation of dissimilar chemicals.

Department: Treatment

Budget Status: Budget: \$35,000
Actual to Date: \$6,984

Reclamation Share: 100%

Other Entities: Reclamation Project

Permits Required: N/A

Challenges: N/A

Schedule:

- Construction in progress, planned completion by end of 2019

Consultants: N/A

Contractor: N/A

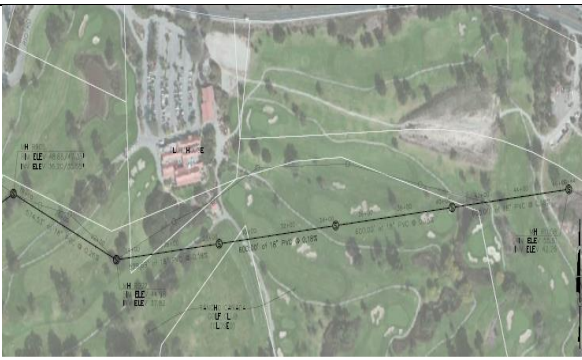


Photo: View of proposed sewer line realignment

Project Name: Upper Rancho Canada Sewer line realignment and size increase

Project Location: Collection System

Project Manager: Lather

Project Number: 19-13

Status: Design

Project Description: This project relocates an existing sewer trunk line that serves the eastern most assets of the District and is located within the proposed County Park at Rancho Canada. The upstream trunk line varies in size from 12 inch to 8 inch and is Truss pipe material that was installed in the early 1970's. One portion of the Rancho Canada golf courses will be converted to a subdivision of Single-Family Dwellings (SFD's) and remaining land will be part of the Monterey Regional Park System.

Department: Collection

Budget Status: Budget: \$1,500,000
Actual to Date: \$

Other Entities: Monterey Regional Park District

Permits Required: Environmental Review

Challenges: Providing a design that allows CAWD access to assets and is acceptable to the Park District.

Schedule: Design FY 19/20.

Consultants: MNS Engineering
Rincon Environmental

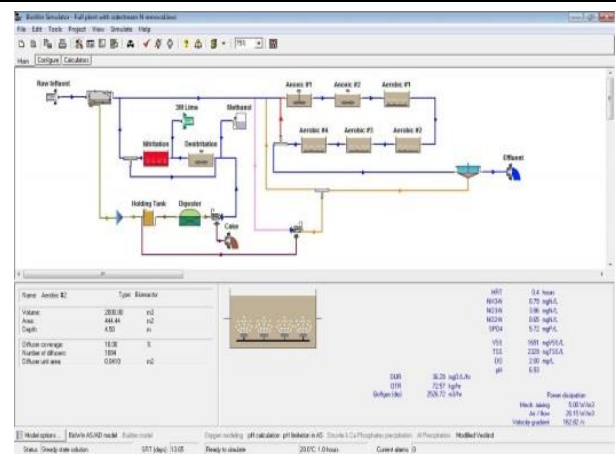


Photo: BioWin Model Screenshot

Project Name: Wastewater Treatment Plant Computer Model – BioWin Modeling

Project Location: Wastewater Treatment Plant

Project Manager: Treanor

Project Number: 19-14

Status: In Study Phase

Project Description: Development of a computer model to predict how changes in operations will affect water quality to inform process optimization activities aimed toward the goal of energy and cost savings.

Department: Treatment

Budget Status: Budget: \$50,000
Actual to Date: \$18,890

Reclamation Share: N/A

Other Entities: N/A

Permits Required: N/A

Challenges: N/A

Schedule:

- Study to occur in 2019

Consultants: Greeley and Hansen

Contractor: N/A



Photo: Existing Pipe (Left); New Pipe Example (Right)

Project Name: MF Feed Pipe Replacement

Project Location: Reclamation – MF/RO

Project Manager: Treanor

Project Number: 19-15

Status: Inactive

Project Description The existing pipe that feeds the Microfiltration membranes has failed twice in the last 5 years due to defects in the original pipe installation. The section that failed was replaced each time. When the pipe has failed in the past it took a few days to complete a repair during which time the MF system was offline. To mitigate any additional failures, it is planned to replace all the existing piping and redesign the pipe supports to reduce the physical stresses on the pipe.

Department: Reclamation

Budget Status: Budget: \$35,000
Actual to Date: \$0

Reclamation Share: 100%

Other Entities: Reclamation Project

Permits Required: N/A

Challenges: Maintaining MF/RO Production during construction

Schedule:

- Design and Procurement of Materials in January of 2020
- Construction in Spring 2020

Consultants: N/A

Contractor: N/A



Photo: Example Trailer Standby Generator

Project Name: Tertiary MF/RO Standby Power

Project Location: Reclamation – MF/RO

Project Manager: Treanor

Project Number: 19-16

Status: Preliminary Design

Project Description The Reclamation Project facilities were not designed to include standby power to run the facility in the event of a power outage. The Reclamation Project has decided to pursue standby power using a portable trailer mounted generator.

Department: Treatment

Budget Status: Budget: \$350,000
Actual to Date: \$0

Reclamation Share: 100%

Other Entities: Reclamation Project

Permits Required: N/A

Challenges: N/A

Schedule:

- Preliminary Design in Fall 2019
- Potential Implementation in 2020

Consultants: Beecher Engineering

Contractor: N/A



Photo: View of portion of Hatton Canyon Access Road that was repaired to allow access for construction equipment

Project Name: Hatton Canyon Road Maintenance

Project Location: Collection System

Project Manager: Lather

Project Number: 19-17

Status: Design Phase

Project Description: Grading and re-establishing drainage of roughly 1500 feet of storm damaged road uphill of the pipeline project. Cal OES provided a \$298,000 grant to complete the work.

Department: Collections

Budget Status: Budget: \$298,000
Actual to Date: \$0

Permits Required: State Parks found project to be Exempt from CEQA. State Parks will provide a construction easement.

Challenges: Completing work prior to FEMA grant deadline of 7/31/2020 & without delaying the pipe bursting project downstream.

Schedule: Design in process with accelerated bidding and construction prior to 12/1/2019.

Consultants: MNS Engineering (Design Engineer)

Contractor: Graniterock



Photo: Eastern side of Perimeter Fence

Project Name: Treatment Plant Perimeter Fence Replacement

Project Location: Wastewater Treatment Plant

Project Manager: Foley

Project Number: 19-18

Status: Permitting

Project Description: The existing fence has failed and requires replacement to provide security, protect the public from accidentally entering the facility and prevent wild animals from entering the facility. The replacement fence will be constructed in the exact same location on the treatment plant property line.

Department: Treatment

Budget Status: Budget: \$150,000
Actual to Date: \$0

Permits Required: Coastal Commission

Challenges: N/A

Schedule:

- Work to occur in Fall/Winter 2019

Contractor: TBD



Photo: Existing air diffuser system

Project Name:	WWTP – Aeration Basin Improvements, Basins 4A & 4B Project
Project Location:	Wastewater Treatment Plant
Project Manager:	Ed Waggoner
Project Number:	19-19
Status:	In 10% Vendors Research Phase
Project Description	The Aeration Basins 4A & 4B need to have additional diffusers installed to ensure the proper air (oxygen) transfer into the wastewater to support the aerobic microorganisms in the basins. Another needed improvement is to prevent short circuiting of flows in the basins. The installation of one curtain baffle in each tank will eliminate the short-circuiting issue.
Department:	Treatment
Budget Status:	Budget: \$140,000 Actual to Date: \$0.00
Reclamation Share:	Estimated at 0% of project cost.
Other Entities:	CAWD/PBCSD Reclamation Project
Permits Required:	No permits as project is preventative maintenance project
Challenges:	Weather conditions and Scheduling
Schedule:	<ul style="list-style-type: none">• Design to be completed in 2019• Construction anticipated for Spring 2020
Consultants:	In house (Design Plant Engineer), Environetics for Baffles
Contractor:	TBD