



## **Treatment Plant Capital Project Summaries**



Photo: Eucalyptus trees on South Side of Treatment Plant

<b>Project Number:</b>	<b>18-28</b>								
<b>Project Name:</b>	<b>Perimeter Tree Plan and Implementation</b>								
<b>Project Location:</b>	Wastewater Treatment Plant								
<b>Project Manager:</b>	Bandy								
<b>Status:</b>	Reviewing Height of Existing Native Trees								
<b>Project Description:</b>	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 a plan to determine costs, sequencing schedule, and visual impacts. The Eucalyptus trees around the plant have ongoing maintenance costs, which may be offset in the long term with a different type of tree screening. The purpose is to improve security around plant perimeter.								
<b>Department:</b>	Treatment								
<b>Financial:</b>	<table border="1"> <tr> <td>Cumulative Budget:</td> <td>\$130,020</td> <td>Cumulative Spent:</td> <td>\$5,020</td> </tr> <tr> <td>FY Budget:</td> <td>\$0</td> <td>FY Spent:</td> <td>\$0</td> </tr> </table>	Cumulative Budget:	\$130,020	Cumulative Spent:	\$5,020	FY Budget:	\$0	FY Spent:	\$0
Cumulative Budget:	\$130,020	Cumulative Spent:	\$5,020						
FY Budget:	\$0	FY Spent:	\$0						
<b>Reclamation:</b>	N/A								
<b>Other Entities:</b>	N/A								
<b>Permits Required:</b>	Currently unknown (In Study Phase)								
<b>Challenges:</b>	Time it will take for new trees to grow up that will fully screen treatment plant from view								
<b>Schedule:</b>	<ul style="list-style-type: none"> <li>Study moved to 2024; anticipate completion 06-30-26</li> </ul>								
<b>Consultants:</b>	Scott Hall Landscape Design								
<b>Contractor:</b>	To Be Determined (TBD)								



Photo: Existing Dilapidated Fence

<b>Project Number:</b>	<b>19-18</b>								
<b>Project Name:</b>	<b>Perimeter Fencing</b>								
<b>Project Location:</b>	Wastewater Treatment Plant (WWTP)								
<b>Project Manager:</b>	Bandy								
<b>Status:</b>	Design/CEQA								
<b>Project Description:</b>	Install a new fence around the perimeter of the WWTP.								
<b>Department:</b>	Treatment								
<b>Financial:</b>	<table border="1"> <tr> <td>Cumulative Budget:</td> <td>\$74,801</td> <td>Cumulative Spent:</td> <td>\$56,401</td> </tr> <tr> <td>FY Budget:</td> <td>\$25,000</td> <td>FY Spent:</td> <td>\$6,600</td> </tr> </table>	Cumulative Budget:	\$74,801	Cumulative Spent:	\$56,401	FY Budget:	\$25,000	FY Spent:	\$6,600
Cumulative Budget:	\$74,801	Cumulative Spent:	\$56,401						
FY Budget:	\$25,000	FY Spent:	\$6,600						
<b>Reclamation Share:</b>	N/A								
<b>Other Entities:</b>	N/A								
<b>Permits Required:</b>	California Environmental Quality Act (CEQA) Mitigated Negative Declaration (MND), Coastal Developmental Permit (CDP) Notification								
<b>Challenges:</b>	Environmental Mitigations								
<b>Schedule:</b>	<ul style="list-style-type: none"> <li>Design in FY2022-2023</li> <li>Construction in FY2024-2025</li> </ul>								
<b>Consultants:</b>	Kennedy Jenks								
<b>Contractor:</b>	TBD								



Photo: Gas Meter on North Side of River

<b>Project Number:</b>	<b>22-03</b>	
<b>Project Name:</b>	<b>WWTP Gas and Water Main Replacement</b>	
<b>Project Location:</b>	Wastewater Treatment Plant	
<b>Project Manager:</b>	Bandy	
<b>Status:</b>	30% Design	
<b>Project Description:</b>	The WWTP natural gas and water utility service exists on the opposite side of the Carmel River from the WWTP. CAWD owns the piping under the river for these utilities. The water line and gas line are PVC and identified as having a high risk of failure. The gas line is needed for plant operations to provide supplementary heating to the digesters for thermophilic digestion.	
<b>Department:</b>	Treatment	
<b>Financial:</b>	Cumulative Budget:	Cumulative Spent:
	\$478,944	\$181,533
<b>Financial:</b>	FY Budget:	FY Spent:
	\$300,000	\$2,589
<b>Reclamation Share:</b>	N/A	
<b>Other Entities:</b>	Cost Share w/ Collections @ 5.5%	
<b>Permits Required:</b>	TBD	
<b>Challenges:</b>	Underground work in riparian area	
<b>Schedule:</b>	<ul style="list-style-type: none"> <li>Currently undergoing alternatives analysis study</li> <li>Design in FY2022-2023</li> <li>Construction in FY2024-2025</li> </ul>	
<b>Consultants:</b>	Kennedy Jenks	
<b>Contractor:</b>	N/A	

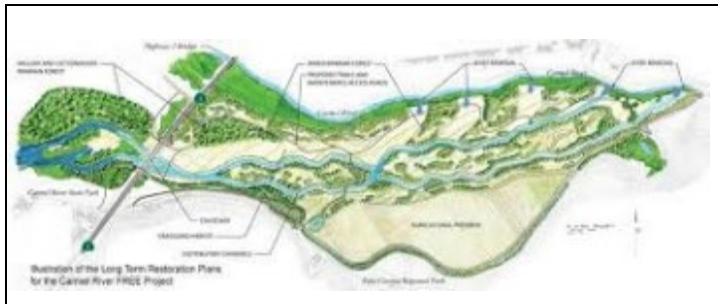


Photo: Carmel River Floodplain Restoration and Environmental Enhancement (CRFREE)

<b>Project Number:</b>	<b>19-21</b>	
<b>Project Name:</b>	<b>Carmel River Floodplain Restoration &amp; Environmental Enhancement (CRFREE) Mitigation</b>	
<b>Project Location:</b>	Carmel River Lagoon	
<b>Project Manager:</b>	Trenor	
<b>Status:</b>	Pending County Funding Agreement	
<b>Project Description:</b>	The CRFREE Project intends to create a new river channel in the Carmel River lagoon floodplain, which will significantly impact existing wastewater pipelines that cross the lagoon. To fully mitigate impacts from CRFREE the pipelines, which are currently crossing over a portion of the lagoon, are proposed to be installed underground using Horizontal Directional Drilling construction methods.	
<b>Department:</b>	Engineering	
<b>Financial:</b>	Coastal Conservancy Grant Budget:	Cumulative Spent:
	\$750,000	\$618,569
		FY Spent:
		\$0
** Project is being funded by CRFREE initiated grants		
<b>Reclamation Share:</b>	N/A	
<b>Other Entities:</b>	Monterey County	
<b>Permits Required:</b>	Coastal Commission, CA Fish and Wildlife, Army Corp of Engineers, Regional Water Quality Control Board (RWQCB)	
<b>Challenges:</b>	Construction near environmentally sensitive habitat and obtaining new easement from State Parks	
<b>Schedule:</b>	<ul style="list-style-type: none"> <li>Construction anticipated in 2025</li> </ul>	
<b>Consultants:</b>	Design: Kennedy Jenks and Staheli Trenchless CEQA: Johnson Marigot	
<b>Contractor:</b>	TBD	



*Photo: Existing air diffuser system*

<b>Project Number:</b>	<b>19-19</b>	
<b>Project Name:</b>	<b>WWTP – Aeration Basin Improvements</b>	
<b>Project Location:</b>	Wastewater Treatment Plant	
<b>Project Manager:</b>	Waggoner	
<b>Status:</b>	Completed	
<b>Project Description:</b>	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.	
<b>Department:</b>	Treatment	
<b>Financial:</b>	Cumulative Budget:	Cumulative Spent:
	\$17,332	\$17,332
<b>Financial:</b>	FY Budget:	FY Spent:
	\$0	\$0
<b>Reclamation Share:</b>	N/A	
<b>Other Entities:</b>	N/A	
<b>Permits Required:</b>	N/A	
<b>Challenges:</b>	Weather conditions and Scheduling	
<b>Schedule:</b>	<ul style="list-style-type: none"> <li>• Design is complete</li> <li>• Materials ordered and received</li> <li>• Construction currently on hold</li> </ul>	
<b>Consultants:</b>	N/A	
<b>Contractor:</b>	N/A	



*Photo: Conceptual Rendering of Public Use and Bridge*

<b>Project Number:</b>	<b>22-04</b>	
<b>Project Name:</b>	<b>CAWD Bridge and Trail Project</b>	
<b>Project Location:</b>	Wastewater Treatment Plant	
<b>Project Manager:</b>	Treanor	
<b>Status:</b>	Funding Strategy	
<b>Project Description:</b>	Construct a new bridge at the location of the existing CAWD bridge over the Carmel River. The Bridge would be open for public use and would allow for new walking trails to connect the City of Carmel-by-the-Sea (Mission Trail) to the Regional Parks (Palo Corona).	
<b>Department:</b>	Treatment	
<b>Financial:</b>	Cumulative Budget:	Cumulative Spent:
	\$12,994	\$14,824
<b>Financial:</b>	FY Budget:	FY Spent:
	\$0	\$1,830
**No budget. Funding potential via Carmel River settlement grants.		
<b>Reclamation Share:</b>	N/A	
<b>Other Entities:</b>	State Parks, Diocese of Monterey, City of Carmel-by-the-Sea, Regional Parks District	
<b>Permits Required:</b>	TBD	
<b>Challenges:</b>	Obtaining Funding and Community Support	
<b>Schedule:</b>	Currently working on video and marketing outreach effort	
<b>Consultants:</b>	TBD	
<b>Contractor:</b>	TBD	



*Photo: CAWD Vector Truck*

<b>Project Number:</b>	<b>22-06</b>	
<b>Project Name:</b>	<b>Vector Receiving Station</b>	
<b>Project Location:</b>	Wastewater Treatment Plant	
<b>Project Manager:</b>	Bandy	
<b>Status:</b>	Construction Phase	
<b>Project Description:</b>	Construct a new Vector Receiving Station for the Collections Department and the disposal of waste collected in the vector truck.	
<b>Department:</b>	Treatment	
<b>Financial:</b>	Cumulative Budget: \$680,222	Cumulative Spent: \$177,737
	FY Budget: \$575,000	FY Spent: \$13,671
<b>Reclamation Share:</b>	N/A	
<b>Other Entities:</b>	N/A	
<b>Permits Required:</b>	Coastal Developmental Permit (CDP) Notification	
<b>Challenges:</b>	Design for ultimate user satisfaction.	
<b>Schedule:</b>	Construction starts in June 2024	
<b>Consultants:</b>	Kennedy Jenks	
<b>Contractor:</b>	TBD	

# **Reclamation Capital Project Summaries**



*Photo: Exterior of Tertiary Building*

<b>Project Number:</b>	<b>22-05</b>	
<b>Project Name:</b>	<b>Reclamation MF/RO and Tertiary System 15-Year Capital Improvement Program (CIP) Master Plan</b>	
<b>Project Location:</b>	Reclamation – Microfiltration (MF)/Reverse Osmosis (RO) and Tertiary Building	
<b>Project Manager:</b>	Bandy/Treanor	
<b>Status:</b>	In Progress	
<b>Project Description:</b>	Asset management condition and risk evaluations, development of projections of capital expenditures, and preliminary engineering planning	
<b>Department:</b>	Treatment	
<b>Financial:</b>	Cumulative Budget: \$537,696	Cumulative Spent: \$91,609
	FY Budget: \$349,250	FY Spent: \$91,609
<b>Reclamation Share:</b>	100%	
<b>Other Entities:</b>	Reclamation Project	
<b>Permits Required:</b>	None	
<b>Challenges:</b>	Complexity	
<b>Schedule:</b>	Planning Process will extend into FY 2023/2024	
<b>Consultants:</b>	Kennedy Jenks Trussell Technologies, Inc	
<b>Contractor:</b>	N/A	

# **Collections Capital Project Summaries**





Photo: View gravity pipe in Carmel easement

<b>Project Number:</b>	<b>19-03</b>	
<b>Project Name:</b>	<b>Carmel Meadows Sewer Replacement</b>	
<b>Project Location:</b>	Collection System	
<b>Project Manager:</b>	Treanor	
<b>Status:</b>	Design Update in Progress	
<b>Project Description:</b>	The project will replace 1,300 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.	
<b>Department:</b>	Collections	
<b>Financial:</b>	Cumulative Budget:	Cumulative Spent:
	\$1,015,235	\$747,186
<b>Financial:</b>	FY Budget:	FY Spent:
	\$300,000	\$27,343
<b>Permits Required:</b>	Coastal Permit and Environmental Review	
<b>Challenges:</b>	Redirecting the sewer to the pump station without requiring ejector pumps.	
<b>Schedule:</b>	Design and Environmental Review completed 6/28/22. Construction on hold for permitting.	
<b>Consultants:</b>	TBD	
<b>Contractor:</b>	TBD	



Photo: Looking at Pump Station Exterior

<b>Project Number:</b>	<b>20-07</b>	
<b>Project Name:</b>	<b>Bay/Scenic Pump Station Rehabilitation</b>	
<b>Project Location:</b>	Collection System	
<b>Project Manager:</b>	Treanor	
<b>Status:</b>	On Hold	
<b>Project Description:</b>	Remodel the interior of the pump station and update the SCADA panel to minimize areas prone to flooding.	
<b>Department:</b>	Collections	
<b>Financial:</b>	Cumulative Budget:	Cumulative Spent:
	\$298,087	\$148,087
<b>Financial:</b>	FY Budget:	FY Spent:
	\$150,000	\$0
<b>Reclamation Share:</b>	0%	
<b>Other Entities:</b>	Carmel-by-the-Sea, Coastal Commission	
<b>Permits Required:</b>	Exemptions from CEQA and Coastal dependent on panel location requirements.	
<b>Challenges:</b>	Traffic Control, Panel Location away from bluff	
<b>Schedule:</b>	Construct 2023/2024 Fiscal Year	
<b>Consultants:</b>	TBD	
<b>Contractor:</b>	Pending	



Photo: Pipe Bursting Limits on Scenic

<b>Project Number:</b>	<b>20-08</b>	
<b>Project Name:</b>	<b>Scenic Rd Pipe Bursting - Ocean to Bay</b>	
<b>Project Location:</b>	Collection System	
<b>Project Manager:</b>	Treanor	
<b>Status:</b>	In Design / Permitting	
<b>Project Description:</b>	Replace approximately 10,561 linear feet of existing 6-inch clay pipe with a new 8-inch High-Density Polyethylene (HDPE) and includes manhole rehabilitation.	
<b>Department:</b>	Collections	
<b>Financial:</b>	Cumulative Budget:	Cumulative Spent:
	\$2,533,925	\$629,750
<b>Financial:</b>	FY Budget:	FY Spent:
	\$2,000,000	\$53,099
<b>Reclamation Share:</b>	0%	
<b>Other Entities:</b>	Carmel-by-the-Sea, Coastal Commission	
<b>Permits Required:</b>	CEQA & Coastal Development permits from City and County	
<b>Challenges:</b>	Traffic control & poorly mapped underground utilities. Cultural Resources at southern end of project.	
<b>Schedule:</b>	CEQA complete 2/1/2024, Construction 2025	
<b>Consultants:</b>	MNS, Rincon, TBC Communications	
<b>Contractor:</b>	Pending	



Photo: Sewer Line at Pescadero Creek

<b>Project Number:</b>	<b>21-05</b>	
<b>Project Name:</b>	<b>Carmel Woods and Pescadero Sewer Improvements</b>	
<b>Project Location:</b>	Collection System	
<b>Project Manager:</b>	Treanor	
<b>Status:</b>	In Design / CEQA	
<b>Project Description:</b>	Install new pipe in road to divert majority of flow from pipe on slope.	
<b>Department:</b>	Collections	
<b>Financial:</b>	Cumulative Budget:	Cumulative Spent:
	\$723,629	\$248,675
<b>Financial:</b>	FY Budget:	FY Spent:
	\$500,000	\$9,655
<b>Reclamation Share:</b>	0%	
<b>Other Entities:</b>	N/A	
<b>Permits Required:</b>	Environmental Review	
<b>Challenges:</b>	Narrow road, depth of manholes, environmentally sensitive area	
<b>Schedule:</b>	Start design, public outreach, & Environmental in Winter 2023.	
<b>Consultants:</b>	MNS, Denise Duffy, TBC Communications & Media	
<b>Contractor:</b>	TBD	

**Santa Rita & Guadalupe #23-01**



<b>Project Number:</b>	<b>23-01</b>	
<b>Project Name:</b>	<b>Santa Rita &amp; Guadalupe</b>	
<b>Project Location:</b>	Collection System	
<b>Project Manager:</b>	Treanor	
<b>Status:</b>	Final Design / Bidding	
<b>Project Description:</b>	Approx. 5,800 ft of 6" vitrified clay pipe to be replaced with 8" HDP	
<b>Financial:</b>	Cumulative Budget:	Cumulative Spent:
	\$2,653,098	\$177,737
	FY Budget:	FY Spent:
	\$2,500,00	\$11,918
<b>Reclamation Share:</b>	0%	
<b>Other Entities:</b>	Carmel-by-the-Sea,	
<b>Permits Required:</b>	None	
<b>Challenges:</b>	Traffic Controls	
<b>Schedule:</b>	Construct Winter 2024. Preliminary Plans Complete.	
<b>Consultants:</b>	MNS Engineers	
<b>Contractor:</b>	TBD	

**Highlands Force Main Retrofits #24-04**



<b>Project Number:</b>	<b>24-04</b>	
<b>Project Name:</b>	<b>Highlands Force Main Retrofits</b>	
<b>Project Location:</b>	Collection System	
<b>Project Manager:</b>	Bandy	
<b>Status:</b>	Study Phase	
<b>Project Description:</b>	Proposed pipeline repairs to existing flushing connections, and air release valves. Includes provisions for potentially connecting the Point Lobos sewer to the District sewer at a location closer to Point Lobos to allow existing Point Lobos Force Main to be transferred to CAWD as a backup pipeline.	
<b>Financial:</b>	Cumulative Budget:	Cumulative Spent:
	\$0	\$0
	FY Budget:	FY Spent:
	\$0	\$0
<b>Other Entities:</b>	California State Parks	
<b>Permits Required:</b>	CalTrans Encroachment	
<b>Challenges:</b>	Construction along Hwy 1	
<b>Schedule:</b>	TBD	
<b>Consultants:</b>	MNS Engineers	
<b>Contractor:</b>	TBD	

Year	Project Name	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	
1	Capital Schedules Project (Total Costs)	\$1,000,000																					
2	Construction Costs	\$66,000,000																					
3	Administration Costs	\$10,000,000																					
4	Total Capital Costs	\$76,000,000																					

Photo: LT Capital Schedule

<b>Project Number:</b>	<b>20-06</b>	
<b>Project Name:</b>	<b>Collections 15 -Year CIP</b>	
<b>Project Location:</b>	Collection System	
<b>Project Manager:</b>	Treasor	
<b>Status:</b>	Work in Progress	
<b>Project Description:</b>	Utilize updated sewer line inspection information and flow modeling to develop a 20-year Construction Improvement Plan	
<b>Department:</b>	Collections	
<b>Projection of Total Capital Costs-15-Yr \$63M</b>	Construction Costs: \$66M	Administration Costs: \$10M (20% engineering, legal, admin.)
<b>Financial:</b>	Cumulative 15YR Budget: EST \$66M	Cumulative Spent: N/A
	FY Budget: N/A	FY Spent: N/A
<b>Reclamation Share:</b>	0%	
<b>Other Entities:</b>	River Watch Agreement-see project #20-05	
<b>Permits Required:</b>	none	
<b>Challenges:</b>	Completing all projects near water bodies in time for the February 2024 deadline is unlikely due to lack of public approval.	
<b>Schedule:</b>	2020 - 2040	
<b>Consultants:</b>	West Yost	
<b>Contractor:</b>	N/A	

## **Collections Non-Capital Project Summaries**



*Photo: Pipe Repairs*

<b>Project Number:</b>	<b>24-01</b>	
<b>Project Name:</b>	<b>2024 Sewer Pipe Repairs</b>	
<b>Project Location:</b>	Collection System	
<b>Project Manager:</b>	Treanor	
<b>Status:</b>	In Progress	
<b>Project Description:</b>	Miscellaneous repairs of existing pipes in the collection system	
<b>Department:</b>	Collections	
<b>Financial:</b>	Cumulative Budget: \$410,000	Cumulative Spent: N/A
	FY Budget: \$410,000	FY Spent: 0
<b>Other Entities:</b>	N/A	
<b>Permits Required:</b>	City and County Encroachment Permits	
<b>Challenges:</b>	Varied site conditions from location to location, as well as various types of deficiencies to repair throughout the collections system.	
<b>Schedule:</b>	2024 thru 2025	
<b>Contractor:</b>	TBD	



*Photo: Inside of Sewer Manhole*

<b>Project Number:</b>	<b>24-02</b>	
<b>Project Name:</b>	<b>2024 Manhole Coating</b>	
<b>Project Location:</b>	Collection System	
<b>Project Manager:</b>	Treanor	
<b>Status:</b>	On Hold	
<b>Project Description:</b>	Coating manholes to extend life span	
<b>Department:</b>	Collections	
<b>Financial:</b>	Cumulative Budget: \$460,000	Cumulative Spent: N/A
	FY Budget: \$460,000	FY Spent: 0
<b>Other Entities:</b>	N/A	
<b>Permits Required:</b>		
<b>Challenges:</b>		
<b>Schedule:</b>		
<b>Contractor:</b>	TBD	

## **Assessment Districts/Annexations**

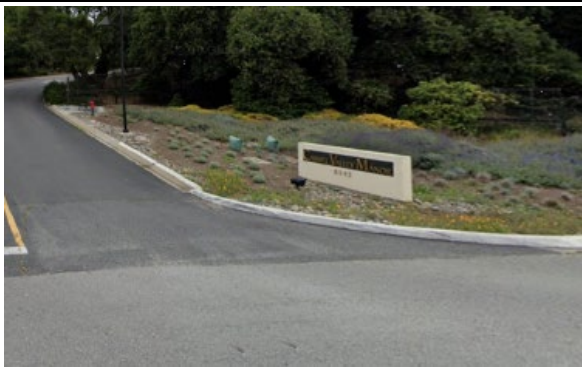


Photo: Entrance to Carmel Valley Manor

<b>Project Number:</b>	<b>19-08</b>	
<b>Project Name:</b>	<b>Carmel Valley Manor Pipeline and Pump Station</b>	
<b>Project Location:</b>	Collection System	
<b>Project Manager:</b>	Treanor	
<b>Status:</b>	Startup Phase	
<b>Project Description:</b>	Sewer extension project to be completed by the owners of Carmel Valley Manor to connect to CAWD's sewer system.	
<b>Department:</b>	Collections	
<b>Financial: this is an unbudgeted item-under repayment agreement (no funds received)-</b>	Cumulative Budget:	Cumulative Spent:
	\$0	\$180
<b>Other Entities:</b>	FY Budget:	FY Spent:
	\$0	\$0
<b>Permits Required:</b>	Various Private Land Owners	
<b>Challenges:</b>	County Encroachment Permit, Easements through Private Property, Environmental Review	
<b>Schedule:</b>	Funding, Repayment Agreement, easement agreements, Local Agency Formation Commission (LAFCO) annexation	
<b>Consultants:</b>	Construction Completion Anticipated in July 2024	
<b>Contractor:</b>	MNS and Rincon are working for Carmel Valley Manor	
	Monterey Peninsula Engineering	

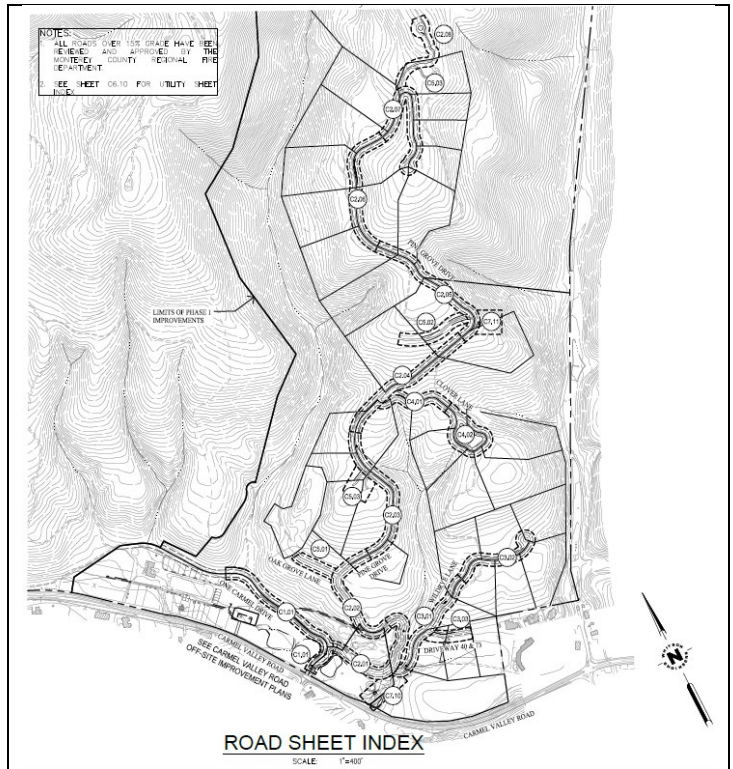
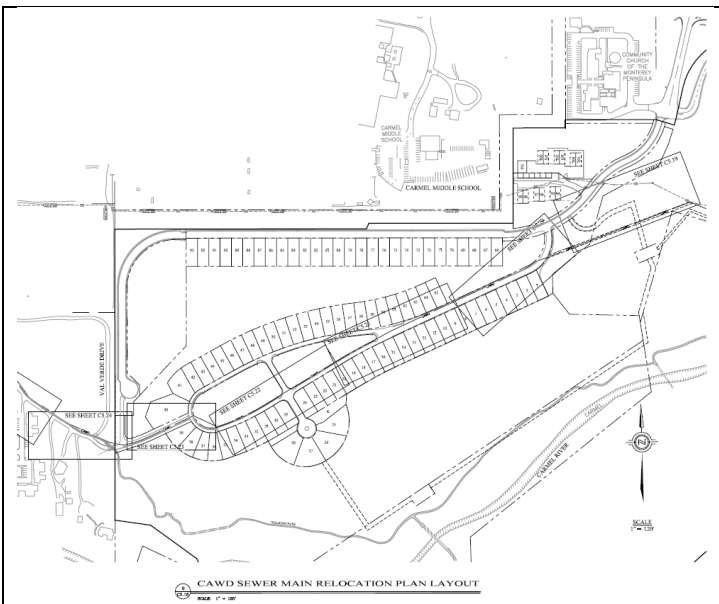


Photo: Map of September Ranch Subdivision

<b>Project Number:</b>	<b>18-29</b>	
<b>Project Name:</b>	<b>September Ranch Subdivision</b>	
<b>Project Location:</b>	Collection System	
<b>Project Manager:</b>	Treanor	
<b>Status:</b>	In Construction	
<b>Project Description:</b>	New housing subdivision is being built. Sewer infrastructure is being constructed by developer under jurisdiction of CAWD. Approximately 35 undeveloped lots.	
<b>Department:</b>	Collections	
<b>Financial: this is an unbudgeted item-under repayment agreement</b>	Cumulative Budget:	Cumulative Spent:
	\$0	\$
<b>Other Entities:</b>	FY Budget:	FY Spent:
	\$0	\$0
<b>Permits Required:</b>	N/A	
<b>Challenges:</b>	Developer Obtained Permits	
<b>Schedule:</b>	Construction by developer.	
<b>Consultants:</b>	Construction in 2024	
<b>Contractor:</b>	MNS Engineers, Inc.	
	Don Chapin	





*Photo: Location of Rancho Cañada Village Subdivision*

<b>Project Number:</b>	<b>23-03</b>	
<b>Project Name:</b>	<b>Rancho Cañada Village Subdivision</b>	
<b>Project Location:</b>	Collection System	
<b>Project Manager:</b>	Trenor	
<b>Status:</b>	Sewer Agreement	
<b>Project Description:</b>	New housing subdivision is being built. Sewer infrastructure is being constructed by developer under jurisdiction of CAWD.	
<b>Department:</b>	Collections	
<b>Financial: this is an unbudgeted item-under repayment agreement</b>	Cumulative Budget:	Cumulative Spent:
	FY Budget:	FY Spent:
<b>Other Entities:</b>	N/A	
<b>Permits Required:</b>	Developer Obtained Permits.	
<b>Challenges:</b>	Construction by developer.	
<b>Schedule:</b>	Construction Pending	
<b>Consultants:</b>	Unknown	
<b>Contractor:</b>	Unknown	

## **Other Non-Capital Project Summaries**



## ADP Workforce Now

*Photo: ADP Clip Art*

<b>Project Number:</b>	N/A	
<b>Project Name:</b>	Workforce Now	
<b>Project Location:</b>	All Supervisor Locations	
<b>Project Manager:</b>	Lauer/Foley	
<b>Status:</b>	Implementation-Time Card System Pilot	
<b>Project Description:</b>	Implementation of a comprehensive Human Resource (HR) software database for all supervisors and employees to utilize. Modules provide employee development tracking, benefits administration, custom performance review templates, and employee goal management.	
<b>Department:</b>	Administration	
<b>Financial:</b>	Cumulative Budget:	Cumulative Spent: \$2,520 (annual fee)
	FY Budget: \$0	FY Spent: \$2,520 (annual fee)
<b>Challenges:</b>	Technical issues need to be resolved & employee training. Implementation of advanced features for employee development and learning management.	
<b>Schedule:</b>	Implemented in April 2023. HCM Unlocked Consultant hired for specialized implementation services. Currently working on Timesheet component.	
<b>Consultants:</b>	ADP	



*Photo: Real Estate Clip Art*

<b>Project Number:</b>	N/A	
<b>Project Name:</b>	Real Property Investigation	
<b>Project Location:</b>	Carmel Valley	
<b>Project Manager:</b>	Barbara Buikema	
<b>Status:</b>	Ongoing	
<b>Project Description:</b>	An investigation of a possible new treatment facility site in the mouth of the Carmel Valley, which is in response to the Coastal Commission.	
<b>Department:</b>	Administration	
<b>Financial:</b>	Cumulative Budget: \$75,000	Cumulative Spent: \$0
	FY Budget: \$75,000	FY Spent: \$0
<b>Permits Required:</b>	None – at this time	
<b>Challenges:</b>	Limited land possibilities, regulatory hurdles, and zoning	
<b>Schedule:</b>	open ended	
<b>Consultants:</b>	Mahoney & Associates	



Photo: Cyber Security Clip Art

<b>Project Number:</b>	N/A	
<b>Project Name:</b>	Cyber Security	
<b>Project Location:</b>	District-wide	
<b>Project Manager:</b>	Foley	
<b>Status:</b>	Ongoing	
<b>Project Description:</b>	Internal Cyber Security Incident Response Team (CSIRT) formed, and they are working on a response plan & training. The upgrades to email filtering system have been completed. Stricter geofencing policies have been put in place, and a cold backup system that is sandboxed from the network was installed March 2022.	
<b>Department:</b>	All	
<b>Financial:</b>	Cumulative Budget:	Cumulative Spent:
	\$0	\$0
<b>Financial:</b>	FY Budget:	FY Spent:
	\$0	\$0
<b>Challenges:</b>	Ongoing training & the need for continual upgrades as skills of hackers grow.	
<b>Schedule:</b>	Continually updating	
<b>Consultant:</b>	Exceedio	

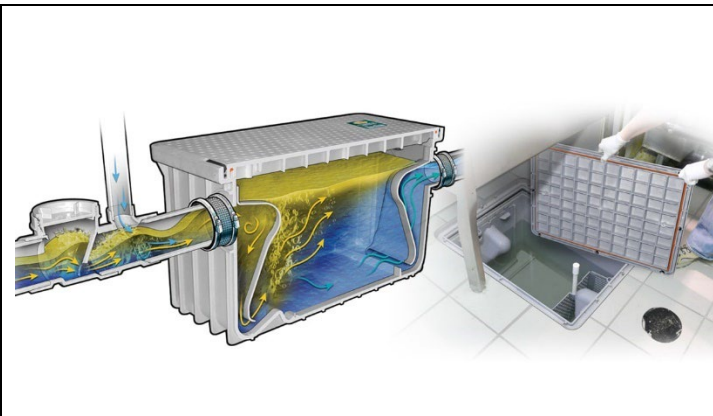


Photo: Grease Trap Graphic

<b>Project Number:</b>	N/A	
<b>Project Name:</b>	Source Control -Environmental Compliance -Six Sigma	
<b>Project Location:</b>	Collection System	
<b>Project Manager:</b>	Treanor	
<b>Status:</b>	Restaurant Plumbing Inspections In Progress	
<b>Project Description:</b>	A Six Sigma project to improve source control for grease laden wastewater being discharged from restaurants. Grease problems are ongoing and require more oversight of restaurants grease control activities.	
<b>Department:</b>	Engineering	
<b>Financial:</b>	Cumulative Budget:	Cumulative Spent:
	\$0	\$2,000
<b>Financial:</b>	FY Budget:	FY Spent:
	\$0	\$0
<b>Permits Required:</b>	None	
<b>Challenges:</b>	Restaurant plumbing.	
<b>Schedule:</b>	Ongoing	
<b>Consultants:</b>	Carmel Fire	



Photo: Futuristic Circuitry

<b>Project Number:</b>	<b>24-03</b>								
<b>Project Name:</b>	<b>Artificial Intelligence Pilot Project</b>								
<b>Project Location:</b>	Treatment Plant								
<b>Project Manager:</b>	Foley								
<b>Status:</b>	In Progress								
<b>Project Description:</b>	A Pilot Project to test run new artificial intelligence algorithms on time series operating data being gathered in the existing Supervisory Control and Data Acquisition (SCADA) system. The new algorithms will be designed to conduct multivariate analysis of data for Anomaly Detection, and multivariate computations for process control. Initial investment in new computer hardware and software may be necessary as system requirements.								
<b>Department:</b>	Administration								
<b>Financial:</b>	<table border="1"> <tr> <td>Cumulative Budget:</td> <td>\$242,924</td> <td>Cumulative Spent:</td> <td>\$133,579</td> </tr> <tr> <td>FY Budget:</td> <td>\$150,000</td> <td>FY Spent:</td> <td>\$40,655</td> </tr> </table>	Cumulative Budget:	\$242,924	Cumulative Spent:	\$133,579	FY Budget:	\$150,000	FY Spent:	\$40,655
Cumulative Budget:	\$242,924	Cumulative Spent:	\$133,579						
FY Budget:	\$150,000	FY Spent:	\$40,655						
<b>Permits Required:</b>	N/A								
<b>Challenges:</b>	<ul style="list-style-type: none"> <li>Determining Hardware and Software needs to fulfill system requirements to run algorithms.</li> <li>Database restructuring.</li> </ul>								
<b>Schedule:</b>	Work started in March 2024 and is anticipated to continue through end of Fiscal Year (FY) 24-25.								
<b>Consultants:</b>	Enterprise Automation								



Photo: California coastline

<b>Project Number:</b>	<b>22-01</b>								
<b>Project Name:</b>	<b>Long-Term Sea Level Rise Planning</b>								
<b>Project Location:</b>	Treatment Plant								
<b>Project Manager:</b>	Buikema/ Treanor/Bandy								
<b>Status:</b>	2023 Study Complete								
<b>Project Description:</b>	As conditions of Coastal Permit #3-82-199-A8 - the District submitted its Long-Term Coastal Hazards Plan on 03-03-22.								
<b>Department:</b>	Administration								
<b>Financial:</b>	<table border="1"> <tr> <td>Cumulative Budget:</td> <td>\$1,400,00</td> <td>Cumulative Spent:</td> <td>\$219,862</td> </tr> <tr> <td>FY Budget:</td> <td>\$250,000</td> <td>FY Spent:</td> <td>\$219,862</td> </tr> </table>	Cumulative Budget:	\$1,400,00	Cumulative Spent:	\$219,862	FY Budget:	\$250,000	FY Spent:	\$219,862
Cumulative Budget:	\$1,400,00	Cumulative Spent:	\$219,862						
FY Budget:	\$250,000	FY Spent:	\$219,862						
<b>Permits Required:</b>	In response to California Coastal Commission								
<b>Challenges:</b>	Establishing focus on long term objectives and committing to follow through items as outlined.								
<b>Schedule:</b>	Most recent study completed in 2023. Next study to start in 2024 or 2025.								
<b>Consultants:</b>	Greeley & Hansen								



Photo: River Watch logo

<b>Project Number:</b>	20-05	
<b>Project Name:</b>	River Watch Agreement	
<b>Project Location:</b>	Collection System	
<b>Project Manager:</b>	Treanor	
<b>Status:</b>	Work in Progress	
<b>Project Description:</b>	Work to satisfy the milestones in the agreement with River Watch.	
<b>Department:</b>	Collections	
<b>Financial:</b>	Cumulative Budget: N/A	Cumulative Spent: N/A
	FY Budget: N/A	FY Spent: N/A
<b>Reclamation Share:</b>	0%	
<b>Other Entities:</b>	River Watch	
<b>Permits Required:</b>	none	
<b>Challenges:</b>	Completing all projects near water bodies in time is unlikely for the February 2024 deadline due to lack of public approval.	
<b>Schedule:</b>	Due date February 2024	
<b>Consultants:</b>		
<b>Contractor:</b>	N/A	

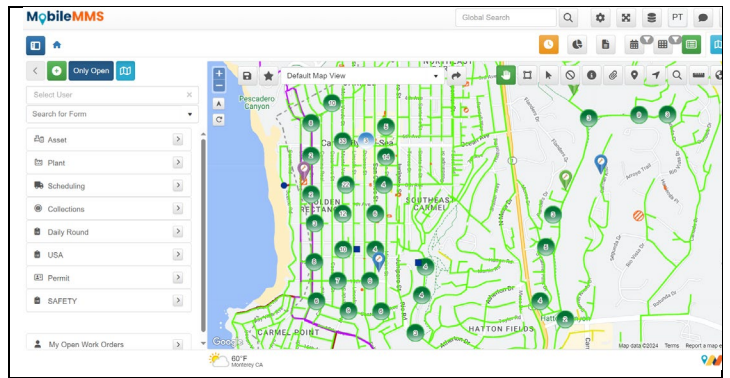


Photo: CMMS System

<b>Project Number:</b>	N/A	
<b>Project Name:</b>	CMMS Upgrade	
<b>Project Location:</b>	District Wide	
<b>Project Manager:</b>	Lauer /Foley/Treanor	
<b>Status:</b>	Completed	
<b>Project Description:</b>	Computerized Maintenance Management System (CMMS) is a workflow tool and work data storage system used for scheduling work and accessing records. CAWD is upgrading this system to better manage information and work in the collection system and operate in the field more effectively.	
<b>Department:</b>	Administration	
<b>Financial:</b>	Cumulative Budget: \$85,800	Cumulative Spent: \$78,000
	FY Budget: \$85,800	FY Spent: \$78,000
<b>Permits Required:</b>	N/A	
<b>Challenges:</b>	Creating custom workflows that fit the specific needs of CAWD	
<b>Schedule:</b>	Development in Progress through FY23/24	
<b>Consultants:</b>	Websoft Developers-Mobile MMS Software	



*Photo: CAWD Lab*

<b>Project Number:</b>	N/A	
<b>Project Name:</b>	Lab ELAP Accreditation	
<b>Project Location:</b>	Laboratory	
<b>Project Manager:</b>	James/Treanor/Bandy	
<b>Status:</b>	In Progress	
<b>Project Description:</b>	State Water Quality Control Board Environmental Lab Accreditation Program (ELAP) ensures laboratories generate environmental and public health data of known, consistent, and documented quality to meet stakeholder needs.	
<b>Department:</b>	Laboratory	
<b>Financial:</b>	Cumulative Budget:	Cumulative Spent:
	\$0	\$0
	FY Budget:	FY Spent:
	\$0	\$0
<b>Permits Required:</b>	N/A	
<b>Challenges:</b>	Current accreditation expires in December 2024. To properly apply for accreditation will require more than 1-year of preparation to account for conducting ongoing lab duties.	
<b>Schedule:</b>	Goal to apply for renewed accreditation in early 2026	
<b>Consultants:</b>	N/A	