

Treatment Plant Capital Project Summaries



Photo: Gas Meter on North Side of River

Project Number:	22-03	
Project Name:	WWTP Utility Mains Relocation	
Project Location:	Wastewater Treatment Plant	
Project Manager:	Bandy	
Status:	90% Design, CEQA underway	
Project Description:	The natural gas and water utility service lines cross the Carmel River to reach the WWTP. These PVC lines have a high risk of failure. The gas line is needed for plant operations to provide supplementary heating to the digesters for thermophilic digestion. 12 kV PG&E power will be undergrounded as part of the project.	
Department:	Treatment	
Financial:	Cumulative Budget:	Cumulative Spent:
	\$1,047,266	\$354,790
Financial:	FY Budget:	FY Spent:
	\$750,000	\$12,020
Reclamation Share:	N/A	
Other Entities:	Cost Share w/ Collections @ 5.5%	
Permits Required:	TBD	
Challenges:	Coordination with State Parks, PG&E and CalAM	
Schedule:	CEQA analysis underway.	
Consultants:	Kennedy Jenks, Denise Duffy & Associates	
Contractor:	TBD	



Photo: Office trailers at WWTP

Project Number:	25-02	
Project Name:	WWTP Site Improvements	
Project Location:	Wastewater Treatment Plant	
Project Manager:	Bandy	
Status:	50% Design	
Project Description:	The office trailers at the WWTP do not have adequate space for current and future staff and have reached the end of their useful life. The pavement is in poor condition and several vaults and lids are failing.	
Department:	Treatment	
Financial:	Cumulative Budget:	Cumulative Spent:
	\$828,995	\$280,707
Financial:	FY Budget:	FY Spent:
	\$750,000	\$132,969
Reclamation Share:	N/A	
Other Entities:	Cost Share w/ Collections @ 5.5%	
Permits Required:	TBD	
Challenges:	Seismic design requirements	
Schedule:	Design underway. Construction est. Q1 2027.	
Consultants:	Kennedy/Jenks	
Contractor:	TBD	

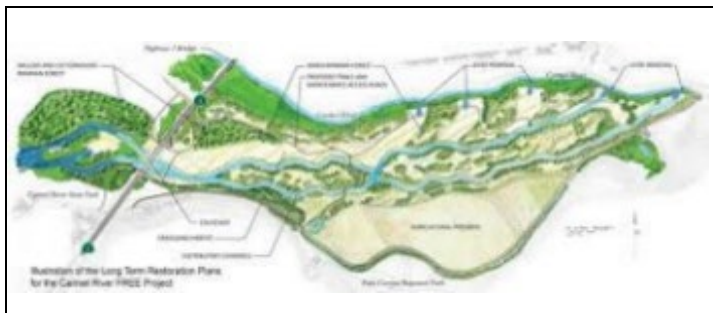


Photo: Carmel River Floodplain Restoration and Environmental Enhancement (CRFREE)

Project Number:	19-21	
Project Name:	Carmel River Floodplain Restoration & Environmental Enhancement (CRFREE) Mitigation	
Project Location:	Carmel River Lagoon	
Project Manager:	Treanor	
Status:	Pending County Funding Agreement	
Project Description:	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.	
Department:	Engineering	
Financial:	Coastal Conservancy Grant Budget:	Cumulative Spent: \$618,569
	\$750,000	FY Spent: \$0
** Project is being funded by CRFREE initiated grants		
Reclamation Share:	N/A	
Other Entities:	Monterey County	
Permits Required:	Coastal Commission, CA Fish and Wildlife, Army Corp of Engineers, Regional Water Quality Control Board (RWQCB)	
Challenges:	Construction near environmentally sensitive habitat and obtaining new easement from State Parks	
Schedule:	Pending funding agreement	
Consultants:	Design: Kennedy Jenks and Staheli CEQA: Johnson Marigot	
Contractor:	TBD	



Photo: Conceptual Rendering of Public Use and Bridge

Project Number:	22-04	
Project Name:	CAWD Bridge and Trail Project	
Project Location:	Wastewater Treatment Plant	
Project Manager:	Treanor	
Status:	Preliminary design	
Project Description:	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).	
Department:	Treatment	
Financial:	Cumulative Budget:	Cumulative Spent:
	\$175,133	\$75,133
	FY Budget:	FY Spent:
	\$100,000	\$0
**No budget. Funding potential via Carmel River settlement grants.		
Reclamation Share:	N/A	
Other Entities:	State Parks, Diocese of Monterey, City of Carmel-by-the-Sea, Regional Parks District	
Permits Required:	TBD	
Challenges:	Obtaining funding and community support	
Schedule:	Preliminary design underway	
Consultants:	MME Civil + Structural	
Contractor:	TBD	

Reclamation Capital Project Summaries

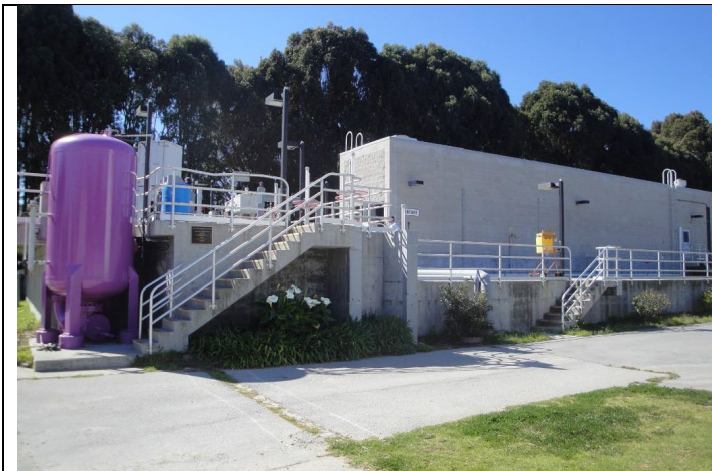


Photo: Exterior of Tertiary Building

Project Number:	22-05	
Project Name:	Membrane Bioreactor Feasibility Study	
Project Location:	Reclamation – Microfiltration (MF)/Reverse Osmosis (RO) and Tertiary Building	
Project Manager:	Bandy	
Status:	RFQ Response Period	
Project Description:	Feasibility/constructability analysis of MBR alternative identified in Phase II of 15-Year CIP Master Plan.	
Department:	Treatment	
Financial:	Cumulative Budget: \$0	Cumulative Spent: \$0
	FY Budget: \$0	FY Spent: \$0
Reclamation Share:	100%	
Other Entities:	Reclamation Project	
Permits Required:	None	
Challenges:	Complexity	
Schedule:	RFQ responses due in October.	
Consultants:	TBD	
Contractor:	N/A	

Collections Capital Project Summaries



Photo: Aerial gravity pipe in easement

Project Number:	19-03	
Project Name:	Carmel Meadows Sewer Replacement	
Project Location:	Collection System	
Project Manager:	Treasor	
Status:	Design Update in Progress	
Project Description:	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. Located on an easement parallel to Ribera Road. Line was originally installed in the early 1960's.	
Department:	Collections	
Financial:	Cumulative Budget:	Cumulative Spent:
	\$1,633,852	\$1,463,512
Financial:	FY Budget:	FY Spent:
	\$400,000	\$0
Permits Required:	Local Coastal Development Permit	
Challenges:	Community Buy-In	
Schedule:	TBD	
Consultants:	Kennedy Jenks Consultants	
Contractor:	TBD	



Photo: Sagged Pipeline

Project Number:	25-01	
Project Name:	Carmel Meadows Sewer Interim Repairs	
Project Location:	Collection System	
Project Manager:	Henson	
Status:	Construction Phase	
Project Description:	Minor repairs to easement sewer line in response to Violation Letter from Regional Water Quality Control Board. Costs for interim repairs are being combined with Project 19-03.	
Department:	Collections	
Financial:	Cumulative Budget:	Cumulative Spent:
	\$0	see 19-03
Financial:	FY Budget:	FY Spent:
	\$0	\$0
Reclamation Share:	0%	
Other Entities:	Regional Water Quality Control Board	
Permits Required:	Minor Repairs Exempt	
Challenges:	Construction on hillside	
Schedule:	Under construction	
Consultants:	Kennedy/Jenks	
Contractor:	Brett George	



Photo: Project Map

Project Number:	20-08	
Project Name:	Scenic Rd Pipe Bursting - Ocean to Bay	
Project Location:	Collection System	
Project Manager:	Treanor	
Status:	Substantially complete	
Project Description:	Replace approx. 10,561 linear feet of existing 6-inch clay pipe with 8-inch High-Density Polyethylene (HDPE), manhole rehabilitation.	
Department:	Collections	
Financial:	Cumulative Budget:	Cumulative Spent:
	\$8,510,092	\$7,537,874
	FY Budget:	FY Spent:
	\$1,000,000	\$12,007
Reclamation Share:	0%	
Other Entities:	Carmel-by-the-Sea, Monterey Co, Coastal Commission	
Permits Required:	CEQA & Coastal Development permits from City and County	
Challenges:	Traffic control and schedule constraints. Cultural Resources at southern end of project.	
Schedule:	Substantially complete	
Consultants:	MNS, Harris & Assoc., TBC Communications	
Contractor:	KJ Woods	

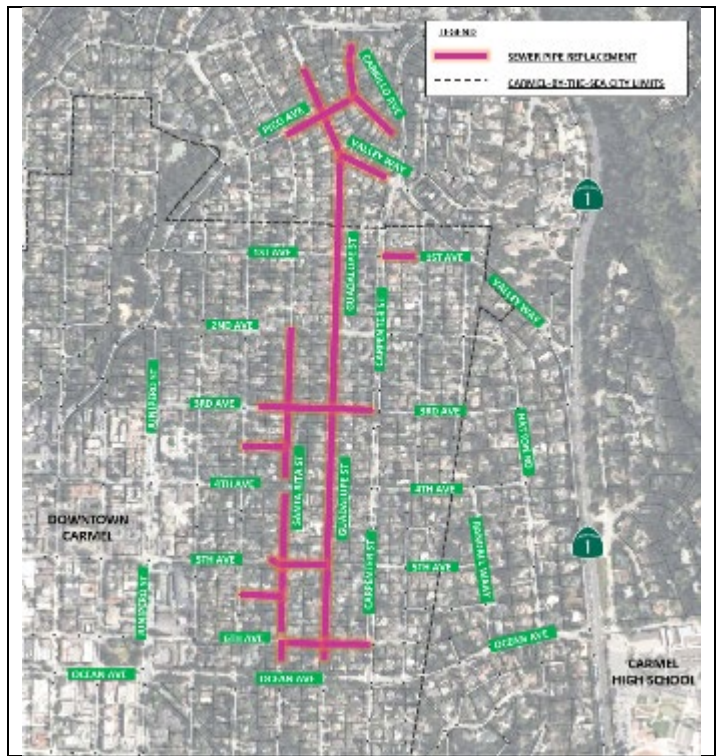


Photo: Project Map

Project Number:	23-01	
Project Name:	Santa Rita & Guadalupe	
Project Location:	Collection System	
Project Manager:	Treanor	
Status:	Construction Phase	
Project Description:	Approx. 5,800 ft of 6" vitrified clay pipe to be replaced with 8-inch High-Density Polyethylene (HDPE), manhole rehabilitation.	
Department:	Collections	
Financial:	Cumulative Budget:	Cumulative Spent:
	\$4,802,663	\$4,627,195
	FY Budget:	FY Spent:
	\$200,000	\$8,757
Reclamation Share:	0%	
Other Entities:	Carmel-by-the-Sea, Monterey Co.	
Permits Required:	None	
Challenges:	Traffic Controls	
Schedule:	Microsurfacing underway	
Consultants:	MNS, Harris & Assoc., TBC Communications	
Contractor:	Pacific Trenchless	

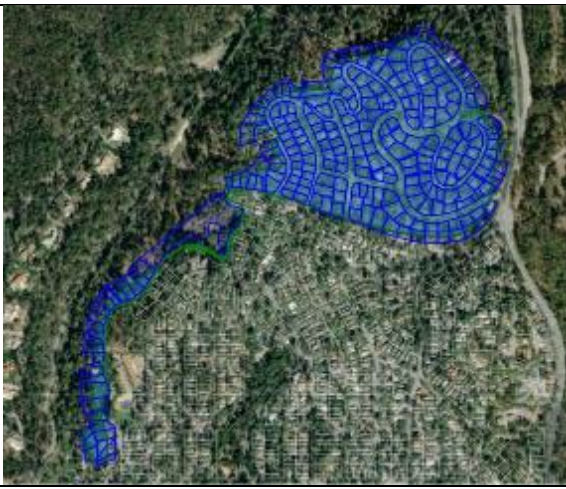


Photo: Carmel Woods and Pescadero Rd Map

Project Number:	21-05	
Project Name:	Carmel Woods and Pescadero Sewer Improvements	
Project Location:	Collection System	
Project Manager:	Bandy	
Status:	Bid Phase	
Project Description:	Install new pipe in Pescadero Rd. to divert majority of flow from pipe on slope. Replacement of approx. 14,000 ft of 6" vitrified clay pipe with 8" HDPE pipe. Manhole rehabilitation.	
Department:	Collections	
Financial:	Cumulative Budget:	Cumulative Spent:
	\$4,009,106	\$880,802
	FY Budget:	FY Spent:
	\$3,600,000	\$48,917
Reclamation Share:	0%	
Other Entities:	Carmel-by-the-Sea, Monterey Co.	
Permits Required:	Encroachment permits	
Challenges:	Narrow road, depth of manholes, environmentally sensitive area	
Schedule:	Bids to be opened 10/23. Construction est. Jan. 2027.	
Consultants:	MNS, Denise Duffy, TBC Communications & Media	
Contractor:	TBD	



Photo: Pump Station Exterior

Project Number:	20-07	
Project Name:	Bay/Scenic Pump Station Rehabilitation	
Project Location:	Collection System	
Project Manager:	Henson	
Status:	Predesign	
Project Description:	Eliminate flooding risk by relocating electrical panels above grade.	
Department:	Collections	
Financial:	Cumulative Budget:	Cumulative Spent:
	\$296,021	\$196,021
	FY Budget:	FY Spent:
	\$100,000	\$0
Reclamation Share:	0%	
Other Entities:	Carmel-by-the-Sea, Coastal Commission	
Permits Required:	Exemptions from CEQA and Coastal dependent on panel location requirements.	
Challenges:	Traffic Control, Panel Location away from bluff	
Schedule:	Predesign study in 2026, construction in 2027	
Consultants:	TBD	
Contractor:	Pending	

Collections Non-Capital Project Summaries



Photo: Pipe Repairs

Project Number:	24-01	
Project Name:	2025 Sewer Pipe Repairs	
Project Location:	Collection System	
Project Manager:	Lauer	
Status:	In Progress	
Project Description:	Miscellaneous repairs of existing pipes in the collection system	
Department:	Collections	
Financial:	Cumulative Budget: \$200,000	Cumulative Spent: N/A
	FY Budget: \$200,000	FY Spent: \$0
Other Entities:	N/A	
Permits Required:	City and County Encroachment Permits	
Challenges:	Varied site conditions from location to location, as well as various types of deficiencies to repair throughout the collections system.	
Schedule:	Ongoing	
Contractor:	TBD	



Photo: Inside of Sewer Manhole

Project Number:	24-02	
Project Name:	2025 Manhole Coating	
Project Location:	Collection System	
Project Manager:	Lauer	
Status:	On Hold	
Project Description:	Coating manholes to extend life span	
Department:	Collections	
Financial:	Cumulative Budget: \$50,000	Cumulative Spent: N/A
	FY Budget: \$50,000	FY Spent: \$0
Other Entities:	N/A	
Permits Required:		
Challenges:		
Schedule:		
Contractor:	TBD	

Assessment Districts/Annexations

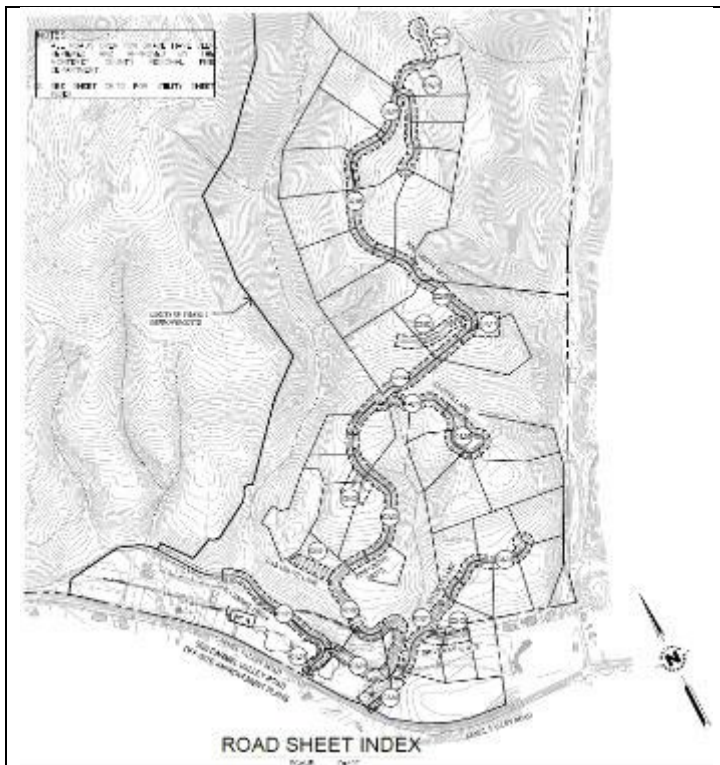


Photo: Map of September Ranch Subdivision

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

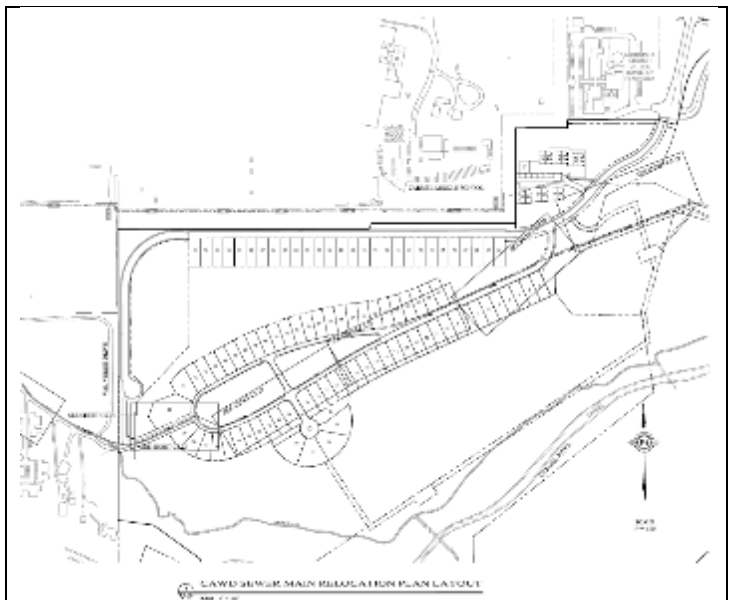


Photo: Location of Rancho Cañada Village Subdivision

Project Number:	23-03	
Project Name:	Rancho Cañada Village Subdivision	
Project Location:	Collection System	
Project Manager:	Treanor	
Status:	Sewer Agreement	
Project Description:	New housing subdivision is being built. Sewer infrastructure is being constructed by developer under jurisdiction of CAWD.	
Department:	Collections	
Financial: this is an unbudgeted item-under repayment agreement	Cumulative Budget:	Cumulative Spent:
	\$0	\$0
	FY Budget:	FY Spent:
	\$0	\$0
Other Entities:	N/A	
Permits Required:	Developer Obtained Permits.	
Challenges:	Construction by developer.	
Schedule:	Construction underway	
Consultants:	Unknown	
Contractor:	Unknown	

Other Non-Capital Project Summaries

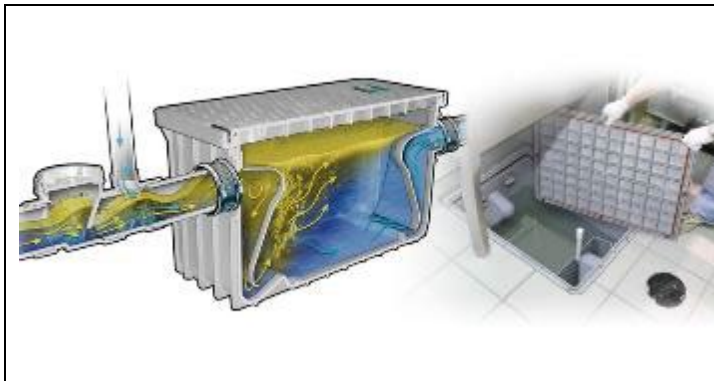


Photo: Grease Trap Graphic

Project Number:	N/A	
Project Name:	Source Control -Environmental Compliance -Six Sigma	
Project Location:	Collection System	
Project Manager:	Henson	
Status:	Compliance Phase	
Project Description:	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.	
Department:	Engineering	
Financial:	Cumulative Budget: \$0	Cumulative Spent: \$2,000
	FY Budget: \$0	FY Spent: \$0
Permits Required:	None	
Challenges:	Restaurant plumbing.	
Schedule:	Compliance letters being sent to restaurants	
Consultants:	n/a	



Photo: California coastline

Project Number:	22-01	
Project Name:	Long-Term Sea Level Rise Planning	
Project Location:	Treatment Plant	
Project Manager:	Henson	
Status:	2025 Study Complete	
Project Description:	As conditions of Coastal Permit #3-82-199-A8 - the District submitted its Five-Year Hazards and Local Projects Update on 5-1-25.	
Department:	Administration	
Financial:	Cumulative Budget: \$125,000	Cumulative Spent: \$0
	FY Budget: \$125,000	FY Spent: \$0
Permits Required:	In response to California Coastal Commission	
Challenges:	Establishing focus on long term objectives and committing to follow through items as outlined.	
Schedule:	Most recent five-year hazards & Local Projects Update study completed in May 2025.	
Consultants:	Greeley & Hansen	



Photo: Easement with downed tree

Project Number:	N/A	
Project Name:	Easement Surveys and CEQA Analysis	
Project Location:	Easements and Rights-of-Way	
Project Manager:	Bandy	
Status:	CEQA study underway	
Project Description:	Program-level CEQA analysis, easement and tree surveys for ongoing easement maintenance and tree removal	
Department:	Collections	
Financial:	Cumulative Budget: \$125,000	Cumulative Spent: \$0
	FY Budget: \$125,000	FY Spent: \$0
Permits Required:	As-needed for future tree removal	
Challenges:	Collections management of future easement maintenance and tree removal contractors	
Schedule:	CEQA analysis and high-priority easement surveys est. complete Q1 2027	
Consultants:	Rincon	



Photo: SharePoint

Project Number:		
Project Name:	File Server Migration and Intelligent SharePoint Enhancement	
Project Location:	Wastewater Treatment Plant	
Project Manager:	Foley	
Status:	Pilot Migration of Data	
Project Description:	This project includes consolidation of local file share and SharePoint documents into modern organized and secure system. The benefit will be improved security permissions, access to artificial intelligence tools and document workflow automation.	
Department:	Treatment, Collections, Admin, Lab	
Financial:	Cumulative Budget: \$122,408	Cumulative Spent: \$73,445
	FY Budget: \$122,408	FY Spent: \$73,445
Reclamation Share:	N/A	
Other Entities:		
Permits Required:	N/A	
Challenges:	Review decades of digital documents	
Schedule:	Q1 2027.	
Consultants:	Bravo Consulting Group, Exceedio	
Contractor:	N/A	

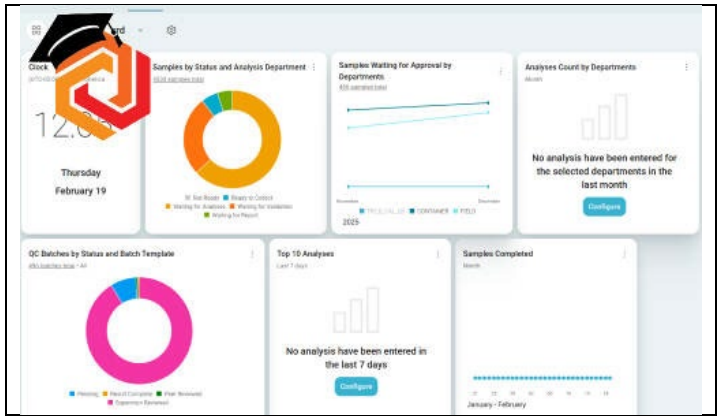


Photo: Labworks

Project Number:		
Project Name:	Lab Information Management Software Upgrade	
Project Location:	Wastewater Treatment Plant	
Project Manager:	Serageldin	
Status:	Build Out Phase	
Project Description:	This is a new implementation of Lab Software to support continued accreditation compliance and to improve workflows in the Lab. The software includes permit report generation for the treatment plant and quality control/quality assurance modules.	
Department:	Treatment	
Financial:	Cumulative Budget: \$135,000	Cumulative Spent: \$0
	FY Budget: \$135,000	FY Spent: \$0
Reclamation Share:	N/A	
Other Entities:		
Permits Required:	N/A	
Challenges:	Implementing new software while completing daily work.	
Schedule:	Q1 2027.	
Consultants:	Labworks	
Contractor:	N/A	