

**CITY OF CORAL GABLES, FLORIDA**  
**2024-2025 BUDGET**  
**PUBLIC WORKS**

**FISCAL YEAR 2024 MAJOR ACCOMPLISHMENTS**

- ✓ **Customer Service.** The Central Administrative Division is averaging 2,700 monthly calls and 1,400 monthly customer service requests.
- ✓ **Keep Coral Gables Beautiful Program Partnership.** During FY24, Greenspace Management collaborated with the KCGB, for clean- up and planting projects to improve the landscape at the Douglas and Alhambra historic entrance, Fewell Park, and the Pinewood Cemetery. Approximately 20,000 lbs. of invasive exotic plants were removed at these sites utilizing volunteer assistance.
- ✓ **Citywide Landscaping Improvements.** Greenspace Management Division planted approximately 125 new trees on City swales and in public green spaces to provide additional shade and environmental benefits, while certain trees were removed in rights-of-way for health and safety reasons. Significant new landscape projects were completed for the Taragona waterway, Salvadore Park swale, Coral Gables pro shop, and Kings Bay entrance right of way.
- ✓ **Black Olive Treatment.** Treated 2,000 Black Olive trees in the City's urban forest for pest control as part of the ongoing Black Olive treatment program to help with staining of sidewalks and property caused by mites and caterpillars feeding on trees.
- ✓ **Landscape Design.** Provided in-house landscape architectural design for the following City sites: Taragona Waterway, Coral Gables Country Club and Pro Shop, Kings Bay entrance right of way, and US 1 medians in the City.
- ✓ **Site Maintenance.** Coordinated the landscape maintenance of approximately 400 City greenspaces. Refined processes for the City's mapping technology, Cartegraph, to accurately catalogue City assets on-site including trees, irrigation equipment, trash and recycling receptacles, furniture, and other amenities to streamline and organize internal maintenance work orders.
- ✓ **Tree Maintenance.** The Greenspace Management Division managed the professional pruning of approximately 8,000 trees in public right of way and parks.
- ✓ **Motor Pool.** Maintain 92% of all classes of equipment and vehicles available and ready for use within the operational requirements outlined in the Equipment Availability Codes (EAC).

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**FISCAL YEAR 2024 MAJOR ACCOMPLISHMENTS – (Continued)**

- ✓ **Solid Waste.** Successfully implemented two new systems to the Solid Waste Operations: Rubicon Smart City's routing optimization software, which will assist with the balancing of routes and improve route efficiency. Rubicon bases our optimization recommendations on observed fleet data through our in-truck technology combined with pre-existing data from our city. We've focused more on a robust way to service the residents of the City Beautiful by using technology and reducing the amount of paper consumption.
- ✓ **Video Capability of Solid Waste Vehicles.** Lytx DriveCam is a driving tool that uses the power of video and data to improve safety, efficiency, and productivity. 71 cameras were upgraded with Artificial Intelligence Triggers such as Machine Vision, in-cab audible alerts, live video, and fleet tracking. With Machine Vision and artificial intelligence (MV+AI), Solid Waste can efficiently and accurately capture risk, alert drivers to address risks on the road as they happen, and support staff with coaching tools to change distracted driving.
- ✓ **Pump Station E Force Main Bridge Relocation Project.** The Utilities division completed the relocation of a 12-inch sewer force main pipe off the LeJeune Road and S.W. 57 Avenue Roadway Bridge to the Pedestrian Bridge connecting Cartagena Park to Ingram Park.
- ✓ **24-Inch Force Main Replacement Granada/Ponce De Leon Blvd Project.** The Utilities Division has nearly completed the pipe replacement of approximately 9,500 LF of existing 24-inch force main along Ponce De Leon Blvd from South Alhambra Circle to Granada Blvd. and along Granada Blvd. from Ponce de Leon to Bird Road. The replacement is necessary as the existing force main has reached the end of its useful life and it is necessary to improve the reliability and functionality of the line and ensure compliance with Miami-Dade County's consent decree. This work will be completed before the end of calendar year 2024.
- ✓ **Cocoplum No. 3 Pump Station and Force Main Project.** The Utilities Division completed construction upgrades to the existing sewer pump station and force main with the replacement of pumps, electrical panels, telemetry, and extension of approximately 1,200 L.F. of new 4-inch PVC force main pipe.
- ✓ **Journey's End Pump Station and Force Main Project.** The Utilities Division completed construction upgrades to the existing sewer pump station and force main with the rehabilitation of existing wet well, installation of new pumps and valve vault box, electrical panels, telemetry, and extension of approximately 1,600 L.F. of new 4-inch PVC force main pipe.

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**FISCAL YEAR 2024 MAJOR ACCOMPLISHMENTS – (Continued)**

- ✓ **City 2 Basin Gravity Main Pipe Upsize.** The Utilities Division completed construction upgrades to approximately 1000 L.F. of existing sanitary sewer gravity main along Alcazar Ave. between Ponce de Leon Blvd. and Galiano St. and along Galiano St. between Alcazar Ave. and Alhambra Cir. by upsizing 18” and 21” pipes to 24” pipes to improve the carrying capacity of the sewer collection system for City 2 pump station. This project will be completed by end of fiscal year 2024.
- ✓ **Septic to Sewer Assessment.** The city is currently developing a septic to sewer assessment plan to identify and delineate new sewer basins for conversion of septic tank systems to a new gravity sewer pipe system with pump station/force main to divert sewage discharge to Miami Dade County wastewater treatment plant. The draft has been completed. The final report is expected by end of calendar year 2024.
- ✓ **Drainage Projects.** The Utilities Division completed 16 new drainage projects consisting of the installation of new catch basins, french drains, and the rehabilitation of existing pipes.
- ✓ **Canal Bank Stabilization Project.** The Utilities Division completed the construction of the canal bank erosion control system application along the Coral Gables Waterway (Tarragona Drive) between SW 57<sup>th</sup> Ave and Alhambra Circle.
- ✓ **Completed Capital Improvement Projects in FY24.** The following capital improvement projects were completed or have been substantially completed by the CIP Division:
  - Country Club Roofing
  - Museum Roofing
  - Salvadore Park Dog Run
  - White Way Lights Phase II
  - Pierce Park Renovation
  - Solano Prado Renovation
  - Youth Center Painting and Waterproofing
  - Granada Golf Course Diner
  - Granada Golf Course Pro Shop Renovation
- ✓ **Traffic Calming.** As part of the ongoing traffic calming efforts, Public Works completed 9 traffic calming devices this fiscal year. By the end of fiscal year 2024, the City will have installed a total of 65 traffic calming devices to date. Next fiscal year, the City-wide traffic calming project will have 75 pending traffic calming devices installed.

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- ✓ **Crosswalks and Sidewalks.** Public Works replaced approximately 4 miles of damaged sidewalks and 87 ADA detectable warning mats this fiscal year. Over 1 mile of new sidewalk was installed as part of the University Drive sidewalk project.
- ✓ **Energy Efficiency.** Through various energy efficiency measures such as conversion of indoor/outdoor lighting to LED fixtures, installation of more energy-efficient HVAC units, Energy Star certified equipment, etc., the City has lowered energy consumption by 4.2% over the first 9 months of the fiscal year based on the 2014 baseline. This figure would be even greater had the City not acquired additional/new facilities.
- ✓ **Water Efficiency.** Through various water efficiency measures such as installation of low flow toilets, AMI meters, native landscaping, etc., the City has lowered its overall water consumption (City facilities and irrigation) by 8.4% over the first 9 months of the fiscal year based on the 2014 baseline. This figure would be even greater had the City not acquired additional office space and parks/open spaces.

