

DWM Upcoming Projects for 2018 and 2019 – Scope Description (Updated: Jan 2, 2019)

1) West Area Water Quality Control Facility – Outfall Repair – 3rd Qtr. 2019

The scope of this project consists of removing the grout and sediment in Peachtree Creek, grouting the undermined outfall foundation, installing a concrete plunge pool to dampen the concrete channel high velocity and relining the remainder of the channel to Peachtree Creek with 24-inch jacks or equal which can handle much higher channel velocities than the Type 1 riprap previously used. *Bid documents are complete; permit obtained from USACE; need to develop bid schedule*

2) CSO VARIOUS PROJECT GROUP 1 – 2nd Qtr. 2019

Bid Package (BP2) East Area Water Quality Control Facility Improvements includes: improvements to sludge thickening and dewatering facilities, tunnel pump station outfall repair, repair leaks to a sedimentation basin, new submersible sludge pumps, chemical system improvements, electrical system improvements, and instrumentation and control improvements. *Bid documents have been prepared; GEFA loan approval is pending.*

3) CSO VARIOUS PROJECT GROUP 1 – 1st Qtr. 2019

Bid Package (BP3) West Area Water Quality Control Facility Improvements includes: improvements of sedimentation basin, influent channel modifications, sludge pump and sample points. Sludge Thickening Facilities – two (2) thickener tanks, improvements at the Sludge Pump Building. Sludge Dewatering Building, chemical system improvements, electrical and instrumentation local control panels, Pakscan improvements and sample point relocation. *Bid documents have been prepared; GEFA loan was approved in November 2018.*

4) Annual Green Infrastructure and Landscape Services Contract – 1st Qtr. 2019

The scope for this annual contract includes construction of green infrastructure facilities such as bio-retention and pervious paving, and construction of associated stormwater infrastructure; repair and replacement of sidewalks, roads curb and gutter, driveways, landscaping, and other public infrastructure and private property damaged during Department of Watershed (DWM) operations and repairs or impacted by construction of green infrastructure; construction of landscape improvements to DWM facilities; specialized maintenance and improvement of DWM owned green infrastructure, greenway and green space properties, including mulching, planting, trash and debris removal and invasive plant control; and, removal and trimming of trees. *Bid documents are in preparation.*

5) Annual Stream Stabilization and Restoration Contract - 1st Qtr. 2019

The scope for this annual contract includes construction of stream bank stabilization and bank revetments using bioengineering materials and techniques as well as traditional hard methods such as gabion walls, typically in conjunction with sewer repairs. These techniques include grading to achieve healthy stream morphology and protect in-stream habitat, installation of in-stream structures, infrastructure point repairs, and ancillary activities such as erosion control, constructing access roads and stabilizing existing pipes. *Bid documents are in preparation.*

6) Advance Sewer Capacity Relief SG4 - Collier Road Outfall – 3rd Qtr. 2019

This project involves upgrading the existing large diameter sewer to address capacity limitations in the Howell Mill and Collier Road area. The project consists of replacing approximately 4,400 linear feet of an existing 12-inch diameter outfall. The Outfall sewer will be upsized with 18-inch and 21-inch diameter pipes by mainly trenchless methods. A portion of the sewer will be realigned in the right-of-way of Brookview Road. *Solicitation issue is pending legislative approval.*

7) Intrenchment Creek WRC Decommissioning/South River WRC Primary Clarifiers Replacement – 2nd Qtr. 2019

This design-build project consists of performing work at two WRCs: South River WRC and Intrenchment Creek WRC. The scope of work at the **South River WRC** is as follows: provide primary clarifiers; head house and odor control ductwork; replace chemical feed building and pre-fabricated warehouse building; provide new poly aluminum chloride (PAC) chemical feed facility; and, rehabilitate the force main from Intrenchment Creek WRC to South River WRC Headworks.

The scope of work at the **Intrenchment Creek WRC** includes: provide new grit traps for the Intrenchment and Sugar Creek sewers; provide new effluent and influent pump stations and influent primary storage tank; provide odor control facility for bar screens and new primary storage tank; repair Intrenchment Creek WRC force main; and, decommission primary and secondary treatment facilities. *Solicitation was cancelled in October. A new solicitation is in preparation.*

8) Peyton Center – 2nd Qtr. 2019

The scope of this project includes: a 300-seat auditorium, classrooms with advanced training systems, full-scale simulators and training grounds, which will include the construction of a LEED-certified Training Center; a warehouse facility to allow storage and removal of large equipment, pipes and other materials; office space for warehouse staff; paving areas for Commercial Driver's License other operations-oriented training; and, establishing a secure central warehouse for operations. *Funding was approved by Council in November. Bid documents will be revised as this will now be a Design-Build procurement.*

9) SCADA System Hardware and Software Maintenance and Support Services – 1st Qtr. 2019

The scope of this annual project includes: professional services for SCADA software upgrades and support; replacement of legacy equipment including servers, programmable logic controllers and networking equipment at various Water Reclamation Centers and Water Treatment Facilities. *An RFP is under preparation for various SCADA upgrades.*

10) Chattahoochee and Hemphill WTP Compliance Improvements – 4th Qtr. 2019

The scope of this project includes: replacing sedimentation basin valves, modifying or replacing alum, fluoride, and powdered activated carbon feed systems, modifying or replacing secondary containment for chemical storage, and replacing filter under-drains. *Designs are in progress.*

11) Green Infrastructure Maintenance – On call Task Order – 2nd Qtr. 2019

The scope of this project includes: inspecting City-owned green infrastructure assets, inspecting green infrastructure under-drains and adjacent pipe networks semi-annually, sweeping and vacuuming permeable pavers and maintaining clogged areas, removing weeds and controlling noxious plant to maintain aesthetics and functionality, replacing dead or dying vegetation, replacing mulch, controlling erosion, and removing trash and sediment, conducting restoration and repairing structures as necessary, locating green infrastructure assets using Global Positioning Systems (GPS). *Bid documents are in preparation.*

12) Downtown Water Storage Tank & Pump Station (4th Qtr. 2019) & Upgrades at Hemphill Pump Station – 2nd Qtr. 2019

This project involves the preparation of a Design-Bid-Build, Electrical, Instrumentation and Control Solicitation Package for the Hemphill Water Treatment Plant. The scope of work at the Hemphill Water Treatment Plant includes replacement of three (3) existing 4.16 kV finished water pump VFDs and valve actuator replacement, upgrade existing SCADA panel for PLC processors redundancy and all controls and monitoring as necessary for the VFD and valve actuators proper operation, replacement of three pump control check valves, and upgrade of the pressure and flow monitoring at the Hemphill Water Treatment Plant Pump Station. *Project is currently in preliminary design stage.*

13) Municipal Options Sales Tax (MOST) Funded Projects 4th Qtr. 2018

The scope for MOST funded projects includes stormwater Rehabilitation, Modifications, and Upgrades as necessary to reduce the effects of stormwater flooding in the city's right-of-way and other city-owned properties. This program will include Stormwater Asset Management Program (SWAMP) to clean and CCTV the existing storm sewers, repairs to existing storm structures and pipe, installation of new storm structures, and upgrades to increase stormwater infrastructure performance. The program will also include installation of green infrastructure where feasible.

- Phase 1 of the year one program included a total of 8 Small Scope "shovel ready" projects. This phase was successfully completed in December 2016.
- Phase 2 consisted of 12 small to medium scope stormwater projects in eight Council Districts which was completed in October 2018.
- Phase 3 consists of 65 Find-Fix projects across all 12 Council Districts and approximately 13 construction projects. This works implementation is anticipated to begin during the 1st quarter of 2019.
NTP for Contracts FC-10244-A and FC-10244-B was issued in December 2018.

14) Intrenchment Creek Viaduct Rehabilitation – 3rd Qtr. 2019

The scope of this project includes the repair/rehabilitation of an existing 48-inch diameter, cast-in-place viaduct that has evidence of structural deficiencies. The elevated structure is more than 100-years-old and spans approximately 300 linear feet and is 40-feet above the Parker Creek. *Project is in detailed design.*

28) Whittier Mills Sewer System Improvements Project – 3rd Qtr. 2019

Project scope of work will consist of the development of a comprehensive design and construction of reliable public sewers to properly serve the Whittier Mills Community. The Project will provide a new gravity flow system that should significantly reduce or eliminate the historical blockages that have been observed via the existing deteriorated grapevine system that the community is currently served by. *100 percent detailed designs have been prepared.*

29) Water Distribution System Improvements - City Wide – 1st Qtr. 2019

Infrastructure repair and replacement to the water distribution system prior to roadwork on City streets scheduled for pavement overlay. The work includes replacement of water mains, fire hydrant installations, service connections, abandon/removal of existing mains, removal of flusher and blow-off valves in sanitary manholes and other related items. *Bids are under evaluation with an award recommendation pending.*

30) Chattahoochee River Intake Pump Station – 1st Qtr. 2019

The proposed Chattahoochee River Intake Pump Station project is for the construction of a 90 MGD portion of the planned 200 MGD replacement of the existing aged Peachtree Pump Station that will convey raw water directly from the Chattahoochee River Intake to the tunnel and storage system and connect the tunnel system to the Chattahoochee Water Treatment Plant for reserve storage. The proposed 90 MGD Pump Station will be designed and constructed such that future expansion to 200 MGD capacity will be non-disruptive to service. *Bid documents have been prepared. GEFA approved first of two loan applications in August; approval of a second loan is pending.*