**DWM Upcoming Projects for 2020 – Scope Description Updated 03/06/2020**

**Construction Services**

1. **West Area Water Quality Control Facility – Outfall Repair – 1st Qtr. 2021**

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” 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. *Project is not in Procurement*.

1. **CSO Various Projects Group 1 – 2nd Qtr. 2021**

**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. *Project is in Procurement.*

1. **CSO Various Projects Group 2 – 2nd Qtr. 2020**

**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. *Project is in Procurement, routing for Contract Agreement signatures.*

1. **Advance Sewer Capacity Relief SG4 - Collier Road Outfall – 2nd Qtr. 2020**

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. *Project is in Procurement and pending receipt of executed contract.*

1. **Intrenchment Creek WRC Decommissioning/South River WRC Primary Clarifiers Replacement – 2nd Qtr. 2020**

This design-build project consists of performing work at two (2) WRCs: South River WRC and Intrenchment Creek WRC.

The scope of the **South River WRC** is as follows: (1) provide primary clarifiers, head house and odor control ductwork; (2) replace chemical feed building and pre-fabricated warehouse building; (3) provide new poly aluminum chloride (PAC) chemical feed facility

The scope of the **Intrenchment Creek WRC** includes: (1) provide new grit traps for the Intrenchment and Sugar Creek sewers; (2) provide new effluent and influent pump stations and influent primary storage tank; (3) provide odor control facility for bar screens and new primary storage tank; (4) repair Intrenchment Creek WRC force main; and (5) decommission primary and secondary treatment facilities. *Solicitation was cancelled in October 2019. A new solicitation is being prepared.*

1. **Peyton Center – 2nd Qtr. 2020**

The scope of this project includes: a 300-seat auditorium, classrooms with advanced training systems, full-scale simulators and training grounds. Constructing a LEED-certified Training Center. A warehouse facility to allow storage and removal of large equipment, pipe and other materials and office space for warehouse staff. Paving areas for Commercial Driver’s License and other operations-oriented training. Establishing a secure central warehouse for operations. *Bid documents were revised for a Design-Build procurement. Project is being prepared for Procurement.*

1. **Hemphill WTP Compliance Improvements – 4th Qtr. 2020**

The scope of this project includes making several improvements to the Hemphill Water Treatment Plant (HWTP). Under design are three potential bid packages. **Bid Package 1** will include sedimentation basin improvements; new belt press building; replacement of rakes, walkway, platform, drive, piping; upgrade pump station; upgrade valves and piping for thickeners; upgrade of filtrate pump station influent valves and splitter box; replacement of backwash tanks sludge rake mechanisms, sludge pumps, flow meter and sludge valves; replacement of pumps at Sedimentation Basin No. 3 pump station; and, repair leak in wall between Clarifiers 3 and 4. **Bid Package 2** will involve removal of old diesel generator fuel tank, piping, panels and conduit in Chemical Building; Division 1 tie-in to the plant SCADA system; replacement of an existing Allen-Bradley Series 5 PLC; replacement of activated carbon and alum feed system in a new building with space for other chemical dosing; retrofit of the 1987 filters from surface sweeps to air scour; replacement of media and underdrain in the 1987 filters, as well as replacement of media in the 1923 and 1941 filters. **Bid Package 3** will involve the demolition of the existing Chemical Feed Building and Diesel Generator Tank; and replacement of Clearwell #1. *Three Bid Package designs are at 60%. DWM will likely phase the construction of the three Bid packages over the next 2-3 years, as funding permits.*

1. **Chattahoochee WTP Compliance Improvements – 4th Qtr. 2020**

The scope of this project includes making several improvements to the Chattahoochee Water Treatment Plant (CWTP). Under design are three potential bid packages. **Bid Package 1** will include sedimentation basin improvements; flocculator equipment replacement; new belt press building and ancillary facilities; replacement of rakes, walkway, platform, drive and upgrade pump station, valve and piping for Thickeners 1 and 2; new Thickener 3; upgrade of sludge pumping facilities; and, new electrical building and relocated blowers, power and control equipment. **Bid Package 2** will involve a new Chemical Building; improvements at Peachtree Pump Station; modifications to Alum Containment; PLC replacements; and, new Golf Cart Bridge. **Bid Package 3** will involve the replacement of the High Service Pump #1 and additional VFD equipment and Filter #4 rehabilitation. *Three Bid Package* d*esigns are at 90%-100%. DWM will likely phase the construction of the three Bid packages over the next 2-3 years, as funding permits.*

1. **Southeast Atlanta Green Infrastructure Initiative (SAGII) Phase 3 – Connally Vault – Construction Start 4th Qtr. 2020**

The Connally Storage Vault project is a key component of Phase 3 of the Southeast Atlanta Green Infrastructure Initiative (SAGII) program. This underground passive storage tank will address combined sewer capacity issues by providing detention and managed release of combined storm and sewer flows. The vault is designed to intercept and detain the flows in the West Connally (84-inch inverted teardrop shaped brick sewer) and East Connally (78-inch circular pipe) combined sewer trunk lines. The location of the proposed 7.8 million-gallon vault is between Connally and Ami Streets, bounded on the north by Georgia Avenue. The storage vault will provide a direct reduction to the surface flooding that has historically impacted this community. The scope of this project includes **i**nstalling a 7.8 million-gallon combined sewer storage vault upstream of the Peoplestown Junction Box. *RFP is anticipated in the 2nd Qtr. of 2020.*

**12) Chattahoochee River Intake Pump Station – 1st Qtr. 2020**

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. Project is in Procurement.*

1. **Plant Water System for East Area and West Area WQCF – 4th Qtr. 2020**

Project scope of work will consist of development of a comprehensive design and construction which will provide adequate flow and pressure for existing and proposed unit processes at both facilities. The improvements include new pumping systems (high and low pressure), plant water storage tanks, instrumentation and controls dedicated to each of the WQCFs. *A 100% design will be completed 2nd Qtr. 2019. A GEFA loan maybe requested to assist with financing the project construction.* *Project is not yet in Procurement*

1. **Downtown Water Storage Tank & Pump Station – 4th Qtr. 2020**

A 30% Design-Build Solicitation Package will be prepared for a single 7 MG ground level finished water storage tank at a site in the downtown area. This 7MG tank should be able to provide an emergency supply to the downtown area for 3hrs. The scope also includes a 36 MGD re-pump station with related appurtenances and interconnecting piping to the distribution system. The interconnecting piping system includes new 48-inch water transmission main (approximately 4,800 linear feet) that will make connection to the 48-inch diameter transmission watermain near the intersection of Joseph E. Boone Boulevard and James P. Brawley Drive. *A Phase II environmental site assessment has been completed and a “drive-by” appraisal is in progress. Geotechnical investigation and boundary survey are forthcoming.*

1. **Whittier Mills Sewer System Improvements Project – 3rd Qtr. 2020**

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% d*etailed designs have been prepared. Project is not yet in Procurement.*

**Consulting Services**

1. **Architectural, Engineering and Design Services – 1st Qtr. 2020**

This on-call contract is to provide A/E services for various departments and offices throughout the City of Atlanta including the Departments of Watershed Management, Parks and Recreation, Public Works, Enterprise and Asset Management, Planning and Community Development. *RFP is pending advertisement 1st Qtr. of 2020.*

1. **Wet Weather Consent Decree Compliance Program Management Services – 1st Qtr. 2020**

This Contract involves program level support to DWM for regulatory compliance and consent decree requirements. *RFP is in planning phase.*

1. **Capital Program Delivery, Compliance and General Support Services Program Management – 1st Qtr. 2020**

This Contract involves supporting DWM staff in the implementation of DWM’s $1.25B capital improvement program with a high focus on achieving all program goals. The Program Manager will provide program level support to DWM’s program managers, project managers and construction managers. *RFP is in planning phase.*

1. **Strategic Financial, Investment Analysis and Support Services – 1st Qtr. 2020**

Services to be provided under this contract are support to DWM’s Office of Financial Administration. This includes supporting DWM’s strategic financial initiatives, providing analysis and support of DWM’s annual budget process, implementation of 5-year budget process, developing strategies to improve financial resiliency. *RFP is anticipated in the 1st Qtr. of 2020.*

1. **North Fork Peachtree Storage Tank and Pumping Station – 1st Qtr. 2020**

Services include preliminary design, detailed design, construction administration and construction management services for a 15 MG storage tank and 75 MGD pumping station of a wet weather capacity relief project. *Project* *is in Procurement and pending receipt of executed contract.*

1. **Cook Park Phase B & C**

Project scope of work will consist of the necessary combined sewer separation work to route additional stormwater into the capacity relief pond facility. Capture stormwater runoff in the surrounding area crossing over Northside Drive to the GWCC. Install approximately 6000 lf of pipe in the right-of-way. Complete remediation in the southwest corner.

*100% design completed 4thQtr 2019. A GEFA loan maybe requested to assist with financing the project construction. Bid documents are in Procurement. Possible contract by 4thQtr 2020. Depending on how long the Procurement process takes.CM Services will also be needed.*

1. **Sewer Group Four (SG4) Rehabilitation (Contracts A & B) – 2nd Qtr. 2020**

This project is necessary to meet the requirements of the Second Amended Consent Decree (SACD), which prescribes evaluation and improvement measures to eliminate sanitary sewer overflows (SSOs) and to protect the City’s investment in upgraded water reclamation facilities. Structural upgrades to the system are necessary to replace old and deteriorated sewers in order ensure the extended service life, reliability, and improve flow conveyance.

1. **Sanitary Sewer Repairs Annual Contract – 2nd Qtr. 2020**

The scope for this project will include but not be to limited construction of cured-in-place pipe, pipe bursting, internal point repairs, jack and bore installations, external point repairs and pipe replacement, aerial creek crossings, by-pass pumping, CCTV inspection, pavement restoration, curb and sidewalk repair, and landscape restoration. This scope will be performed on an as needed basis via a work order process.

1. **Upgrades at Hemphill Pump Station Project – 3rd Qtr. 2020**

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*.  Consultant is incorporating review comments that were received into the final design for transmittal back to DWM.*