



MEETING AGENDA

Meeting Title:	DWM/AMPTAG – Qtr. 1 2018 Progress Meeting	Day/Date:	January 24, 2018
Location:	72 Marietta, 9th Floor, Large Conference Room	Time:	10 - 11AM
Attachments:	Progress Report, Various attachments	File Number:	N/A

Item	Description
1.	Opening Remarks/Introductions
2.	Overview/Purpose: <i>The purpose of this meeting is to have a focused and collaborative discussion regarding DWM's continued efforts and ongoing analysis of the Peachtree Creek Basin's collection system, flow volumes and characteristics, and proposed improvements that impact Atlanta Memorial Park.</i>
3.	1st Quarter 2018 - Progress Report Discussion
4.	Next Progress Meeting – Date/Time TBD
5.	Other Items?

NOTES:



Commissioner Kishia L. Powell

Atlanta Memorial Park Technical Advisory Group (AMPTAG)



Keisha Lance Bottoms
Mayor

Atlanta City Council

Felicia A. Moore
Council President

Carla Smith

Amir R. Farokhi

Ivory Lee Young, Jr.

Cleta Winslow

Natalyn Mosby Archibong

Jennifer N. Ide

Howard Shook

J.P. Matzigkeit

Dustin Hillis

Andrea L. Boone

Marci Collier Overstreet

Joyce Sheperd

Michael Julian Bond

Matt Westmoreland

Andre Dickens

QUARTERLY PROGRESS UPDATE (1/24/18)

DWM remains committed to advancing the projects and initiatives identified to date, with progress updated in this report, along with other related information.

Recent Storm Events

No sewer overflows have occurred at Memorial Park since 6/29/17

Short-Term Preventive Maintenance Measures

- Implementing inspection and cleaning along sections of the PTC Trunk and PTC Relief sewers (removal of settled deposits and debris) to maintain capacity and reduce dry weather overflows
 - 891.7 LF of pipe cleaned, 146 tons of debris removed. *See Attachment #1*
- Continue to monitor manholes at Memorial Park via existing flow monitoring equipment and installed camera for remote visual monitoring

Near-Term Projects (Generally Within or ahead of Schedule)

- New Headworks at RM Clayton WR
 - Substantial completion November 2017 and fully online February 2018
 - Improved screening (floatables) and grit removal
 - Eliminates hydraulic restriction to primary treatment – 240 MGD design peak hour flow and 320 MGD design instantaneous flow
- Peachtree Creek Trunk Stabilization
 - 11,000 LF of profile structural liner system (advanced SG4 Rehab)
 - Construction contract pending execution; routing through signature process
 - Commence construction – 2nd Q 2018; anticipated completion – 3rd Q 2019
- Eliminate Oldfield/Woodward Way Outfall Aerial Crossing
 - 4,000 LF of 21/24-inch diameter realigned sewer (advanced SG4 Rehab)
 - 100% design completed; pending receipt of construction contractor quotes
 - Commence construction – 2nd Q 2018; anticipated completion – 2nd Q 2019
- Eliminate Howell Mill Aerial Crossing
 - 2,700 LF of 10-inch diameter realigned sewer; and 2,000 LF of 8-inch diameter realigned sewer (advanced SG4 Rehab)
 - 100% design completed; Emergency Procurement underway
 - Commence construction – 2nd Q 2018; anticipated completion – 2nd Q 2019

- Civic Center Storage (Clear Creek Combined Sewer Basin)
 - Construction contract awarded Archer-Western, Inc.
 - Commenced construction – Sep 2017; Anticipated completion – Sep 2018
- Lower Proctor Creek Trunk Sewer/Diversion
 - 1,500 LF of 54-inch diameter sewer pending rehabilitation
 - Provides for up to 25 MGD of flow diverted from RM Clayton to Utoy Creek WRC
 - 90% Design complete; anticipated completion July 1, 2020

North Fork Storage Tank & Pump Station Project

Completed a site-specific conceptual design report – 15 MG storage tank (pump in, gravity out); 75 MGD influent pump station; 60-inch and 48-inch micro-tunnel diversion and return sewers.

- Site is within City of Atlanta, on GDOT property near GA-400 and I-85 – anticipate successful conclusion of negotiations with Owner for shared use of site, by end of 1st Quarter 2018
- Estimated capital costs (site-specific) – \$105 million, 50% funding by DeKalb County
- Engaging engineering design services thru annual AE contracts (end of 1st Q 2018)
- Project will be implemented thru design/bid/build process – with 4-yr delivery schedule:
 - Initiate full design – 2nd Q 2018
 - Completion of design – 12 months – 2nd Q 2019
 - Bid and award construction contract – 6 months – 4th Q 2019
 - Completion of construction – 2 years – 4th Q 2021
- Benefits – In parallel with existing Liddell Storage Tank/PS, will eliminate capacity-related sanitary sewer overflows along the entire length of the PTC trunk sewer system during a 10-yr design storm, thus significantly reducing the environmental impact to PTC and threats to public health, and providing protection against the potential for future climate change (more frequent severe storm events). Trunk sewers along Memorial Park will convey peak flow during 10-yr storm at 80% full depth

Hydraulic Modeling, Analysis & Projects – Peachtree Creek Sewer Basin

Hydraulic modeling & analysis performed to identify sewer rehabilitation and sewer capacity relief per Second Amended Consent Decree (SACD), based on:

- Proposed NF Storage/PS Project, in parallel with the existing Liddell Storage Tank/PS
- Future 50-yr population growth projections (ARC) and documented reduction in per capita water consumption (plumbing code changes, conservation efforts, and reduced irrigation demand)

Results – Sewer Rehab and Sewer Relief Projects in Peachtree Creek Basin (Draft)

- Sewer Group 4 Rehab (Sanitary Sewers) – Start 2019; SACD Completion 2025
 - 31,500 LF of sewer lining (8-inch to 24-inch diameter)
 - 900 LF of sewer pipe-bursting (6-inch to 8-inch diameter)
 - 33,400 LF of sewer point repairs (8-inch to 48-inch diameter)
- Sewer Group 5 Capacity Relief (Sanitary Sewers) – Start 2021; SACD Completion 2026
 - 63,200 LF of replacement sewer (10-inch to 36-inch diameter)
- Sewer Group 6 Capacity Relief (Combined Sewers) – Start 2022; SACD Completion 2027
 - Clear Creek – 19,150 LF of replacement sewer (10-inch to 84-inch diameter)
 - Tanyard Creek – modeling and analysis not yet underway

Benefits – Based on Completion of Above Capital Projects

- No sanitary sewer overflows along the PTC trunk sewer system during a 10-yr storm, upon completion of the NF Storage/PS project
- No sanitary sewer overflows within the upstream segments of the PTC basin during a 2-yr design storm, per requirements of the SACD
- Based on risk analysis results, no overflows when subjected to 40 years (1974 thru 2014) of historical rainfall data Flow projections used in the future model thru 2050 can be extended thru 2070, offering a buffer against potential impact of climate change

Watershed Improvement Plans (WIP) & Green Infrastructure (GI) Projects

- Per regulatory requirements, WIPs developed for each Watershed (including Peachtree Creek) to improve water quality and reduce stormwater flow to creeks
- More than 700 GI projects identified at \$400 million estimated capital cost (city-wide); 300 GI projects within Peachtree Creek Basin

- Funding Options:
 - Projects within combined sewer basins -- water/sewer funding available (reduces flow to combined sewers)
 - Projects within separate storm sewer areas -- annual allocation from MOST funding; public/private partnerships; state revolving loans, federal grants, etc.
- Post-Development Stormwater Ordinance (2013) – Requires new development and redevelopment projects within the City to capture the first 1" of rainfall on-site (no discharge). This assures that post-development runoff is significantly less than pre-development
- Through implementation of the post-development stormwater ordinance and GI projects, DWM has reduced the volume of stormwater discharged to creeks by 225 MG annually, and providing protection against the potential for future climate change (more frequent severe storm events)
- GI projects and other measures that may provide beneficial impact to Peachtree Creek Basin and indirectly to Memorial Park are illustrated in Attachment #2
 1. Memorial Park across from 653 Wesley Dr - 15,000 cf bioretention cell
 2. Memorial Park across from 811 Wesley Dr – Bioswale to collect runoff from road
 3. Peachtree Creek in Bobby Jones Golf Course – 1800 LF of stream bank restoration/stabilization
 4. Tanyard Creek in Bobby Jones Golf Course – 100 LF of stream bank restoration/ stabilization
 5. Bobby Jones Golf Course – 200,000 cf wet pond
 6. Bitsy Jones Tennis Center – Bioswale between the existing tennis courts
 7. Bitsy Jones Tennis Center – 7,500 cf bioretention cell at Beltline Connector Trail and tennis courts
 8. Bitsy Jones Tennis Center – 12,500 cf bioretention cell along driveway to tennis center

Other Water Quality Improvements within PTC

Since completion of the West Area CSO Tunnel/Storage System, for the years 2010 thru 3rd Q 2017, discharges from the West Area CSCFs to Peachtree Creek were reduced an average of 1.9 billion gallons



For more information, contact the DWM Office of Communications and Community Relations at 404-546-3200.

Follow us or visit our website!



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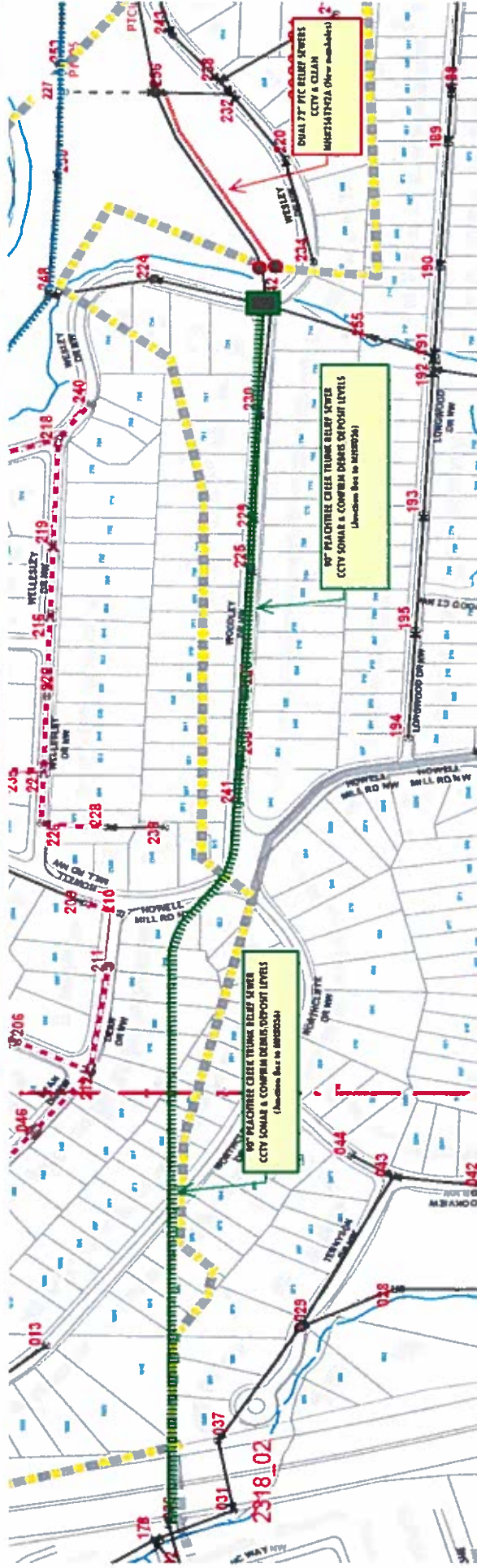
www.atlantawatershed.org



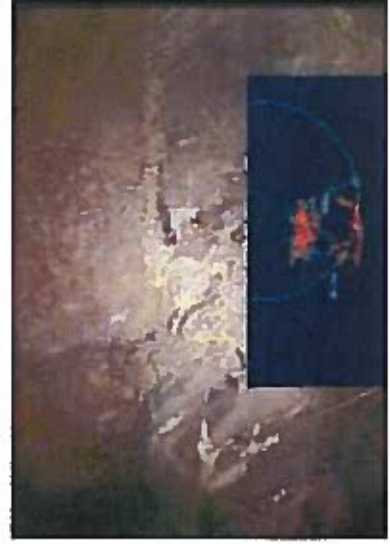
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Attachment #1

Peachtree Creek Trunk & Relief Cleaning & Inspection



Sonar Image - Deposits/Rags



Sonar Image: Deposits/Rocks



Piles of Dumped Spoils





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Potential WIP & GI Projects





DWM/AMPTAG
PROGRESS MEETING 01/24/18
DWM Main Office, 72 Marietta Street, Atlanta, GA NE 30303

SIGN-IN SHEET

- | | | | |
|-----|--------------------|------------------|--------------|
| 1. | Mikya Strainy | DWM | 4/546-3337 |
| 2. | Craig Rundergraff | AMPC | 678-336-7241 |
| 3. | Kip Kikpatrick | AMPC | 404-702-3693 |
| 4. | Elizabeth Hale | AMPC | 404-314-8149 |
| 5. | Catherine Spillman | AMPC | 678-871-0612 |
| 6. | SHEPHERD LONG | Long Engineering | 770-951-2495 |
| 7. | ERIC L LEE | PMST | 204-832-8825 |
| 8. | KAI IANKLA | PMST | 404.348.2107 |
| 9. | JOE BASISA | PMST | 404.317.7805 |
| 10. | ROB BOCARRO | DWM | 404.546.3229 |
| 11. | Calvin Farr | DWM | " " 1290 |
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