

Overview

Task Order No.14.01 provides Construction Management services to WASD in implementing the Consent Decree program. This includes:

- Program level & project level construction management services
- Support of Program Controls, cost and scheduling services
- Support of Community Outreach and Involvement
- Support of Small Business/Local Workforce development
- Project level Document Management
- Risk management support for continuous risk evaluation and updating of register
- Construction Safety program

The dates of proposed services are from October 1, 2015 through September 30, 2016.

Reporting Period

This report covers the period of July 1 to July 31, 2016; providing a summary of activities undertaken under this Task Order related to Construction Management Services as described on the approved Scope of Services for Task Order 14.01.

Summary of CD Projects by Phases

Project Phase	Consent Decree Projects (82)			Consent Decree Sub/Child Projects (108)		
	WWTP	WCTS	Total	WWTP	WCTS	Total
Validation / Planning	8	1	9	7	18	25
Pre-Design	1	0	1	2	2	4
Design	3	4	7	6	8	14
Permitting	8	5	13	7	6	13
Procurement	8	7	15	6	14	20
Construction	18	4	22	7	13	20
Design Build**	0	1	1	0	0	0
Complete	6	8	14	1	11	12
Total*	52	30	82	36	72	108

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Safety

Reporting period: July 2016

- Regulatory Agency Visits occurring in period: = 0
- There were no OSHA safety visits made to the construction project sites during this period.
- The CD PMCM team is currently in the final stage of developing the site specific safety plans for CD PMCM work in the collections system and at the 3 WWTP's.
- The June Program Safety Committee monthly meeting was held. The meeting was documented and the minutes were posted for all staff to view. The committee is made up of both Senior Project Management staff and junior staff. Committee members will rotate out every few months and new members from each of the PMO groups will be selected for representation.
- The Program received 4 gas detectors that had been on order. These detectors will be used for confined space work. Along with the detectors the program received bump test kits with calibrated gas for calibrating the meters prior to use.
- All CD PMCM Site construction managers are performing weekly documented safety walks. All CM staff assigned to the project participate. Any unsafe conditions are photographed and emailed to the responsible party for correction.
- Operational incidents: There were 5 operational incidents by Construction Contractors while performing work on Consent Decree projects during the period.
 - Project 4.9(2): Excavator damaged a garden wall while moving container filled with excavate material. Contractor agreed with building manager to repair. The contractor, RP Utilities & Excavation Company, was performing work on contract T2114.
 - Project 4.9(2): Excavator caused damage to an existing water main while installing the required new force main. Water main repaired by WASD crews. The contractor, RP Utilities & Excavation Company, was performing work on contract T2187.
 - Project 4.9(69): Front Loader struck a vehicle while exiting MOT. Cause was due to lack of communication between two Flagmen. Both Flagmen are required to make eye contact. The Contractor, RP Utilities & Excavation Company, was performing work on contract T2187.
 - Project 4.9(69): Excavator damaged unmarked fiber optic cable while excavating for new force main. The cable not identified by AT&T locates.

The contractor, RP Utilities & Excavation Company, was performing work on contract T2187.

- Project 4.1: During excavation work in a trench to replace an 8” gravity sewer the Contractor struck and damaged a single phase of a 13kV FPL feeder cable. No injuries were reported. The work was being carried out by Maestre construction, contract # T2049. FPL Repaired the line which supplied power to about 70 homes. The incident remains under review.

- Project 3.05: On August 2, 2016, an employee of Wharton Smith working in a Secondary Clarifier had an accident while using a chop saw to cut a metal walkway member. The saw kicked back and cut his leg. His co-workers removed him from the clarifier utilizing a basket and crane and once he was out of the clarifier he was placed in an ambulance for transport to Aventura Hospital. The Contractor's safety officer has the site to investigate.

Construction Activities/Key Accomplishments

Reporting period: July 2016 (RB)

- **Program Level CM Activities:**

- The CM team continues to perform constructability, bidability and schedule reviews on projects in design as requested by the CD PMCM PMs. The Projects of immediate concern are still the Headworks at CDWWTP, Plants 1 and 2 (CD Project 2.04 & 2.05) and Fog Removal Facility at SDWWTP (CD 1.09) and Pump Station #2 in downtown Miami (CD 2.22). The Projects have very tight construction schedules and the dry run permits were not approved prior to going to procurement. In addition, it was determined by the PM after award of CD projects 2.04/2.05 that a RAS pipeline must be relocated prior taking Headworks Plant 1 out of service. Refurbishment of the Plant 1 Headworks is the first activity required on the project. .Therefore a Change Order must be processed as soon as Notice to Proceed is given to the Construction Contractor. This may still delay the project is materials are not readily available. A dedicated allowance is available in the contract to cover the costs of the relocation.

- Other program level CM activities include: continue development and refinement of consolidated plot planes for each of the 3 treatment plants showing all CD and OOL projects, along with contractor staging areas; Locating and/or development of CM offices for CD PMCM CM staff. In addition worked with WASD to try and Implement the program procedure for Change Management to help expedite completion of change work in the field. The procedure utilizes Field Change Orders with agreed upon costs for completing the work. As of this reporting period, WASD management has not agreed to use of the FCO forms or delegation of signature authority to the WASD PM for commitment of funds.

- **CM Staffing:**

During the period, no additional CM was mobilized. The CD PMCM still has 4 open positions to fill; 1 Area Construction Manager (ACM), 1 Construction Engineer and 2 Inspectors. It is anticipated that next month the team will mobilize; 1 Area Construction Manager (ACM), 1 Construction Inspector and 1 additional Construction Engineer.

Update of Projects in Construction:

- **Force Mains:**

- **CD Project 4.9(2) 12 inch D.I.P and 16 inch HDPE 14th Ave N.E. from Miami**

- **Garden PS 455:** Project construction is 45% completed. The Contractor continues providing project submittals.

- **CD Project 4.9(69) 12 inch D.I.P from PS 333 along the Turnberry DR to Miami**

- **Lakes Drive:** NTP issued on 7/18/2016. Project Construction

- **Gravity Sewer System:**

- **CD Project 6.01 (SEP-Phase 1) Contractor (URVE Engineering Corp):**

- construction is 75% completed. Head Loss Gravity Test past on 05/20/2016.

- **Pump Stations:**

- **CD Project 5.1 Pump Station # 0418:** The first progress meeting was held on July 26th. PS No 200 project is ongoing and it has been delayed the entire month of July due to an unforeseen condition regarding the gravity line and a main water line in conflict, projected completed date is unknown. Main submittals are being reviewed and accepted by WASD. Schedule of Values was submitted and asked to be resubmitted based on observations from CPM Team. Project Schedule has been resubmitted and approved.

- **CD Project 5.10 Pump Station #0488** Contractor schedule to commence construction 08/10/2016. Construction will be done within the allowable fence area. RER permit had expired and Contractor received extension. No interruption to College normal activities with heavy equipment construction. NTP Issued on 05/5/2016.

- **CD Project 5.16(1) Pump Station # 0198:** The Contractor (Maxon Groupe LLC) Permit issued and providing required Project submittals. NTP date issued 04/25/2016.

- **CD Project 5.16(2) Pump Station # 0437:** Contractor (RG Underground Engineering) Permits issued . Contractor still providing required Project submittal and EOR has return some approved submittals. NTP date issued 04/18/2016. Contractor commenced ordering materials. NTP date issued 04/18/2016.

- **CD Project 5.16 (3) Pump Station #0466 Contractor (RJR Contractor Inc.):** Pre-Construction meeting was held on 07/01/2016. NTP on 07/05/2016.

- **CD Project 5.16(4) Pump Station # 0680** Contractor (Maestre Construction Inc.) Permits issued. Contractor still providing Project submittals and EOR has return some approved submittals. Contractor commenced ordering materials. FPL Transformer is schedule to be installed in July 2016.NTP date issued 05/02/2016.

For all remaining CD required pump stations please refer to the table of CD ongoing construction projects managed by WASD.

- **Wastewater Treatment Plants:**

NDWWTP

CD 3.01 Upgrade of Pretreatment/Sludge Transfer Facility and Installation of Annex Building: Double Tees are installed, roof slab and lightweight concrete have been poured. Steel Catwalk outside of the building is installed, stairs and handrails are being installed. Belts and conveyors are being installed at the grit building. Electrical demolition and new installation at both Pretreatment and AGS building is ongoing. New ductwork at both buildings is being installed. Pump #1 and #2 are demo. Plant Personnel is having problem isolating pump #2.

CD 3.05 (1b) Secondary Clarifiers. The first progress meeting was on July 28th, CD PMCM Team still does not have all the required contractual documentation. Training was given to Plant Personnel for the new Mechanism.

Secondary Clarifier #7. Torque Test was performed and passed. After Plant personnel finalize electrical installation the clarifier will be put in service.

Secondary Clarifier #1. New mechanism is 90% installed. Plant Personnel is working on electrical installation.

Secondary Clarifier #5. Clarifier has been drained, cleaning is being performed. New mechanism has been delivered.

After Secondary Clarifier #1 is put back in service, Clarifier #10 will be drained in order to allow the contractor to take measurements, the next mechanism to be changed will be at Secondary Clarifier #2.

CDWWTP

CD 2.17 has started construction activities. Site prep for Engineer trailer is in progress. Production Auger Cast in Place piles are complete. Pile cap installation in progress at site 2. Excavation for remaining foundation work underway at site 1.

CD 2.10 Emergency Repair of RAS Header Pipeline. Internal mechanical work is in progress at each RAS pump station. Shutdowns are being coordinated with WASD as operations will allow for tie in without interruption to plant.

- **CD 4.01 I&I Activities:**

I&I Dig and replace contracts:

Three active Dig and Replace contracts continue at varying stages in the field, T2049 has completed 66 repairs, T2050 completed 111 repairs, T2051 completed 56 repairs, totaling 233 repairs either full mainline replacements, point repairs or full lateral replacements in a variety of locations such as back yards, county roads and within HOA managed communities. One contract T2050 has depleted its funding and will be closed out in the next period.

I&I CIPP Contract: CIPP work commenced on 12/14/15 and has completed 260 repairs to date, a mix of main line lining work and lateral lining Work continues well and on or ahead of schedule. A total of 62,156LF of main lines and 560LF of laterals have been lined.

I&I SSES Contracts: SSES (CCTV) contract NTP was 3/14/16 and work commenced the same day with a scope to complete 1,000,000 LF of SSES and Digital Inspections of Manholes in the 1 year contract period. To end of this period the contractor has completed 380,616 LF of SSES and 1761 Manhole inspections.

Staff Levels: FY15/16 staff levels remain the same as previous report, work has commenced to determine the requirements for the FY16/FY17 staffing levels.

Ongoing work: Preparation of the FY16/FY17 CD I&I contracts continues these will comprise a CIPP contract of 100,000LF of repairs, one Dig and Replace contract countywide, one Dig and Replace contract for the City of Miami and one SSES contract of 1.5MLF. Specifications have been prepared, budgets have been agreed and contracts are to be sent to procurement to allow the bid process to begin.

- **CD Construction Contracts in Construction:** See below table for status of CD projects in construction.

Status of CD Projects in Construction

WWTP – Construction Projects Managed by CD PMCM

Project Description	Schedule	% Complete	Schedule Completion Date	CD Compliance Date	July 2016 Monthly Activities
1.03 Oxygen Generation Trains-Structural rehab.	On Track	10%	3/17/2022	11/16/2025	Struc rehab has been transferred to PMCM and scheduled to start in November 2016; no funding for now
1.05 (1) Effluent Pump Station Electrical Equipment (Pumps 7-9) and wet well rehab	On Track	66%	3/13/20	4/7/2022	Construction in progress.
1.12 Chlorine Contact Chamber Structural Rehab.	On Track	5%	11/18/2018	6/18/2021	WASD transferred 10 sluice gates and struc rehab work to PMCM. Quote was provided to PMCM. Plant (Kronheim) ordered and installed 4 actuators (80K). Plant and PMCM completed inspection at the end of June 2016
2.01 Electrical Improvements	On Track	25%	9/6/2017	9/6/2017	Substations #1 & #2 upgrades in progress. Substation #1 & #2 scope of work is 7% of 100% of Total scope. Substations equipment arrived on site.
2.02 Building Improvements	On Track	30%	9/6/2017	9/6/2017	Construction in progress. Asbestos abatement completed (2%). Roofing repairs completed for the Switchgear Building (7%). Construction is 0% for Administration Building interior improvement and roofing repairs.
2.05/2.06 Oxygen Generation Trains Plant 1/ Plant 2	On Track	(80%) / (30%)	3/30/2017 / 04/14/2022	04/18/2017 / 04/14/2022	2.05-installation of Mixers and Elec. completed. Pending structural rehab. 2.06 Electrical Completed for Train #1, 2 & 4, Train#3 and Mixers in progress. Structural Rehab Train #3 completed, train #1 in progress and pending #2 & 4. Pending Plant #1 Trains#2 Structural Rehab.

Project Description	Schedule	% Complete	Schedule Completion Date	CD Compliance Date	July 2016 Monthly Activities
2.10 (Return Sludge PS PLT#2)	Anticipate 04/22/2016	5%	05/04/2023	9/12/2023	Contractor is working on completing all internal mechanical work to RAS Stations. Material related to change orders has been released and latest delivery date indicates December.
2.17 Chlorination Facilities	4/18/2016	10%	9/11/2017	9/29/2017	ACIP Piles are complete and work on pile caps in in progress at Site 2. Site 1 excavation for pile caps is underway.
3.01 Headworks and Sludge Degritting & Transfer	On Track	40%	9/27/2017	4/7/2018	Construction in progress.
3.05(1)b. Secondary Clarifiers Emergency #1,2,4,5,7,9 &10	On Track	35%	7/28/2016	8/24/2027	Construction in progress Secondary #7 100% Secondary #1 80%. Secondary #5 10%
3.08 Plant Wide Electrical	On Track	10%	7/25/2022	8/22/2022	Replacement of North and South Transformer in Main Switchgear BLDG completed. Pending Feeders replacements.

WWTP Construction Projects Managed by WASD

1.01 Headworks-bar screen rehab.	On Track	6%	1/24/2018	2/23/2020	Grit (2) screen #4 mechanical done (3.75%) waiting on electrical. Grit (1) screen #2 screen rehab completed (1.8%) waiting on installation and electrical. Note: Only 60% of the validated scope of work is Consent Decree.
1.03(1)a Oxygenation Trains - Mixer upgrades	On Track	12.85%	3/18/2022	11/16/25	Construction in progress.
1.05 (1) Effluent Pump Station Electrical Equipment (Pumps 7-9) and wet well rehab	On Track	66%	3/13/2020	4/7/22	Construction in progress.
2.19(1) Co-Generator Replacement	On Track	99%	1/27/2016	02/31/2019	Construction Completed. Commissioning test passed for both Generators. Waiting on Air Permit.

2.23 O2 Plant #3 Process Controls Phase #2	On Track	95%	6/13/2016	3/9/2017	Plant #3 -Pulled wiring and installed conduits. Anticipate to be completed by 05//2016
2.24 Gas Monitoring and Alarms	On Track	9.1%	1/19/2017	7/29/17	Construction in progress.
2.26 Rehab. of Walkways and Stairways	On track	3%	12/28/2023	9/27/2027	Construction in progress for Plant #1 Pump Station #1, #2 & #3 stairways. Anticipated completion on 04/29/2016. Assuming total of 25 stairways.
3.07(1) Effluent Disposal CD Scope	On Track	45%	12/31/2017	12/28/2021	Electrical and Mechanical Scope for New Pumps #5 & 6, replacement of Switchgears and Drives for Pumps 1 thru 4 are completed. 100% Design Documents provide to Isaac Smith for Procurement.
3.09 Flood Mitigation	On Track	70%	7/31/2016	8/13/2017	Water proofing of existing doors, seal opening around BLDG's including conduit penetrations and refurbish roofing and drainage system.
3.10 Yard Piping	On Track	50%	4/28/2016	12/4/2021	8 Completed installation of (1)-84 inch pipes. Pending second 84 inch pipe.

WCTS - Construction Projects Managed by CD PMCM

Project Description	Schedule	% Complete	Schedule Completion Date	CD Compliance Date	July 2016 Monthly Activities
5.1 (PS#0418 Upgrade) Convert to Booster	On Track	0%	11/24/2018	11/24/2018	Submittal process on going.
5.16(1) (PS#0198)	On Track	5%	11/15/2016	12/31/2016	Refurbish and convert Dry to Wet Well, install new valve vault, new 8 inch discharge pipe, inlet bell suction and new submersible Pumps. NTP issued 04/25/2016
5.16 (2) (PS#0437) Upgrade	On Track	7%	10/3/2016	12/31/2016	Refurbish Dry/Wet Wells, new Suction & Discharges Piping, new Pumps (Dry Pit) & new Gravity Line between receiving MH & Wet Well. NTP issued 04/18/2016.

Project Description	Schedule	% Complete	Schedule Completion Date	CD Compliance Date	July 2016 Monthly Activities
5.16 (3) Rehab PS #0466	On Track	0%	12/30/2016	12/31/16	Refurbishment of Sewage Pump Station, Replace existing Pump, Valves, Pipes & Hatches. Rehab of Structural.
5.16 (4) (PS#0680) Upgrade	On Track	8%	10/3/2016	12/31/2016	Refurbish Wet Well, Electrical Upgrades, install new Valve Vault & Pumps (Submersible). NTP issued 05/02/2016
(6.01)(SEP- Phase1A Section1)	On Track	94%	5/11/2016	1/5/2019	Head Loss Gravity Test past on 05/20/2016. Completed Restoration. Pending Project Closeout. Anticipate Project 94% completed by 06/17/2016

WCTS Construction Projects Managed by WASD

Project Description	Schedule	% Complete	Schedule Completion Date	CD Compliance Date	July 2016 Monthly Activities
(3.1)(PS#0334) FM	Met	100%	9/28/2015	12/31/2015	Certified.
4.3 (Norris Cut- Phase III)	Construction (-52) calendar days. CD Schedule on Track.	80%	9/07/2016	4/8/2017	Launch Shaft: Tunnel shaft riser pipe installation 90% complete; tunnel shaft backfilling 80% complete; demobilization of utility infrastructure is in progress. Interim Pressure Test done for Shaft riser pipe and tunnel carrier pipe done, but that holding pressure. Contractors observed leaks at multiple grout ports and are in progress to repair. Retrieval Shaft: Tunnel shaft riser pipe installation 90% complete; tunnel shaft backfilling 85% complete; existing 60 inch plug valve pressure test successfully completed. . Open cut at VK: DMSI and HDPE temporary by-pass layout and fusion welding in progress; revised tie-in layout in progress.
4.4 (North Dade 72" PCCP FM Rehab.)	On Track	93%	6/1/2016	3/5/2018	Substantial completion on 05/05/2016. Anticipate Project Close-out by 07/31/2016. Restoration completed.

Project Description	Schedule	% Complete	Schedule Completion Date	CD Compliance Date	July 2016 Monthly Activities
4.7 (Replacement of 18" DI FM in Miami Lakes	On Track	98%	7/6/2016	4/17/2017	Contractor working on final close-out documents. Anticipated to be completed by 07/31/2016.
4.9 (9-13)(T1914)Replacement of 6", 8" & 12" ACP FM)	On Track	99%	8/27/2015	10/8/2019	Certified. Pending Closeout. Anticipate to be completed by 07/31/2016.
4.9 (14-19)(T1914) Replacement of 6", 8" & 10" ACP FM	On Track	100%	6/11/2015	10/8/2019	Certified. Pending Closeout. Anticipated to be completed by 07/31/2016.
5.13 (Generator Refurbishment)	On Track	99%	04/01/2015 thru 11/07/2015	7/20/2016	Certification anticipated by 06/30/2016.
5.15 (Pump Station Upgrades) (1) (PS#0065)	On Track	99%	11/28/2015	12/31/2015	Certified on 12/22/2015. Pending closeout. Anticipated to be completed by 06/30/2016.
5.15(1.1) (PS#0065)	On Track	99%	12/13/2015	12/31/2015	Certified.
5.15 (2) (PS#0201)	On Track	99%	12/15/2015	12/31/2015	Certified on 10/23/2015.
5.15 (3) (PS#0334)	On Track	99%	11/24/2015	12/31/2015	Certified on 12/30/2015. Pending Final Restoration Completed and Closeout anticipated to be completed by 07/30/2016.

I/I Reduction Program – Projects Managed by CD PMCM

Project Description	Schedule	% Complete	Schedule Completion Date	CD Compliance Date	July 2016 Monthly Activities
4.1; Dig and Replace 'A'	On Track	56%	12/29/2023	12/29/2023	Contractor broke ground on 10/28/2015 and has completed 78 work orders to the end of this period, comprising 2122LF of mains and 1928 LF of laterals Formal bi-weekly progress meetings have continued.
4.1; Dig and Replace 'B'	On Track	83%	12/29/2023	12/29/2023	Contractor broke ground on 10/23/2015. 111 work orders completed by end of this period, comprising 3251LF of mains and

Project Description	Schedule	% Complete	Schedule Completion Date	CD Compliance Date	July 2016 Monthly Activities
					1130LF of laterals Formal bi-weekly progress meetings have continued.
4.1; Dig and Replace 'C'	On Track	63%	12/29/2023	12/29/2023	Contractor broke ground on 02/02/2016 and has completed 59 work orders to the end of this period, comprising 2738 LF of mains and 943 LF of laterals Formal bi-weekly progress meetings have continued.
4.1;CIPP	On Track	85%	12/29/2023	12/29/2023	Contractor commenced lining on 01/26/2016. 261 WO's completed to the end of this period, comprising 62,156 LF of mains and 560LF of laterals Formal bi-weekly progress meetings have continued.
4.1; SSES "B" CCTV	On Track	39%	12/29/2023	12/29/2023	Flo Tech awarded the contract. NTP was 03/14/2016. Completed 380,616LF of SSES by CCTV and 1761MH's imaged to date.

60 Day Look Ahead

WCTS

Project Description	Schedule	Schedule Construction Completion Date	Schedule Completion Date	CD Compliance Date	July 2016 Monthly Activities
4.01; Dig and Replace (County Wide); T2229	On Track	10/01/2017	10/01/2017	12/29/2023	Budget approved, specifications to be sent to procurement to commence bid process, tentative NTP 10/01/2016
4.01; CIPP (County Wide); P0193	On Track	10/01/2017	10/01/2017	12/29/2023	Budget approved, specifications to be sent to procurement to commence bid process, tentative NTP 10/01/2016
4.01: SSES (1.5MLF) by CCTV	On Track	10/01/2017	10/01/2017	12/29/2023	Budget approved, specifications to be sent to procurement to commence bid process, tentative NTP 10/01/2016
4.09(2) Replacement of ACP FM	On Track	10%	12/31/2016	10/08/2019	Replace 2043 LF of 12 inch ACP FM. Contractor is RP Utility & Excavation. NTP issued 05/16/2016

4.09 (20-21) Replacement of ACP FM	07/13/2016	03/05/2017	06/03/2017	10/8/2019	Replace 467 LF of 8 inch ACP FM Awarded to V-Engineering 4/28/2016. PO issued 6/09/2016.
4.09 (22) Replacement of ACP FM	07/18/2016	02/06/2017	05/07/2017	10/8/2019	Replace 2013 LF of 8 inch ACP FM. PO issued on 05/23/2016 to RJR Construction. Handover meeting held on June 8, 2016. PO issued 5/20/2016.
4.9 (24) Replacement of ACP FM	08/17/2016	09/07/2016	03/12/2017	10/08/2019	Replace Existing 8-inch ACP FM with 8-inch DI FM from PS353 to NW 177th Street. PO issued 6/30/2016.
4.09 (25-26) Replacement of ACP FM	08/08/2016	02/18/2017	05/15/2017	10/8/2019	Replace 1040 LF of 10 inch ACP FM. Awarded to Pro-Service on 05/16/2016. Pending PO to be issue.
4.09 (32) Replacement of ACP FM	08/15/2016	12/18/2016	03/18/2017	10/8/2019	Replace 684 LF of 12 inch ACP FM. Awarded to V-Engineering on 04/28/2016. Pending PO to be issue.
4.9 (47) Replacement of ACP FM	07/13/2016	12/18/2016		10/8/2019	Replace 1023 LF of 8 inch ACP FM. PO issued 05/27/2016 to V-Engineering. Handover meeting held on June 8, 2016. PO issued 5/20/2016. PO issued 5/27/2016.
4.9 (68) Replacement of ACP FM	08/17/2016	12/17/2016	09/11/2017	10/08/2019	Replace existing 6 and 8 ACP FM and Install 8 and 12 DI FM from PS 364 to NW 199 ST. PO issued 6/29/2016.
4.9 (69) Replacement of ACP FM	07/18/2016	03/04/2017	06/07/2017	10/08/2019	Replace 2423 LF of ACP Pipe w/12 inch DIP. PO issued 05/27/2016 to RP Utility & Excavation. Handover meeting held on June 8, 2016. PO issued 5/20/2016.. PO issued 5/19/2016.
5.10 (PS#488) Upgrade	4/3/2016	5/17/2017	5/17/2017	5/9/2018	Demolition of existing Pump Station, Install new Gavity and FM, Manhole Wet Well, Valve Vault and 20 HP Submersible Pumps PO issued to Pro-service and NTP 05/03/2016.

WWTP

Project Description	Schedule	Schedule Construction Completion Date	Schedule Completion Date	CD Compliance Date	July 2016 Monthly Activities
2.02 (1) CD Administration Building Improvements	6/18/2016	7/27/2017	7/27/2017	9/6/2017	Rehab of CD Administration Building and Roof Improvements

Project Description	Schedule	Schedule Construction Completion Date	Schedule Completion Date	CD Compliance Date	July 2016 Monthly Activities
2.03/2.04 Headworks & Grit Basins CDWWTP Plant 1 & 2	7/23/2016	Plant 1 - 9/25/2017 & Plant 2 - 4/27/2018	Plant 1 - 9/25/2017 & Plant 2 - 4/27/2018	10/22/2017 & 5/22/2018	Headworks & Grit Basins CDWWTP Plant 1 & 2

Progress Photos



CD Project 4.9 (2) Compacted backfill



CD Project 4.9 (2) Temporary asphalt



CD Project 4.9 (2) Trench backfill



CD Project 4.9 (2) 12" DI pipe installation



CD Project 3.01 Upper level AGS building Installing electrical conduit.



CD Project 3.01 Upper level AGS/Grit building ductwork



CD Project 3.01 Pretreatment Annex Building stripping roof perimeter beam forms



CD Project 3.01 Pretreatment building cat walk



7-6-16 CD Project 3.05 Secondary clarifier #7 completed rake arm.



CD Project 3.05 Secondary Clarifier #7 scum collection.



CD Project 3.05 Secondary Clarifier #1 Rake arm.



CD Project 3.05 Secondary Clarifier #1 Completed.



CD Project 3.05 Secondary Clarifier #5 WASD cleaning



CD Project 4.1 SSES CCTV crew about to deploy camera into MH 2016 07 22



CD Project 4.1 Typical main line replacement



CD Project 4.1 Typical main line replacement ready for restoration



CD Project 4.1 Typical point repair



CD Project 2.10



CD Project 4.9 (2) Trench Backfill



CD Project 4.9 (2) 12" DI pipe installation



CD Project 2.17 Site 1, pipe installation



CD Project 2.17 Site 2 pile excavation



CD Project 2.17 crew member plumbing the sono tube of the piling



CD Project 2.17 Site 2 excavated piles and the area of the 20" flush water line that needs relocating

Quality Assurance / Quality Control

Reporting period: July 2016

Open Non-Compliances (NCN's)

- No Non-compliance reports were issued this period

Summary of Special Inspections

- CD 2.17 – Chlorination Facilities at CDWWTP - Special inspections were performed for auger cast pile installation.

Cost Management

Reporting period: July 2016

No changes this period. Project costs will be updated once any changes are finalized.

Schedule Management

FY 15/16 Construction Milestone Schedule July 2016 Update

Activity ID	Activity Name	Start	Finish	2016			2017				2018					
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
WASD Consent Decree Schedule - July 2016 Update																
1. South District WWTP																
1.02	Oxygen Production	12-May-17	13-Sep-19													
1.03	Oxygenation Trains	25-Feb-17	13-Sep-19													
1.03 (1)	Oxygenation Trains Structural Rehab & Mixer Upgrades	25-Feb-17	27-Jun-17													
1.05	Effluent Pump Station	25-Feb-17	25-May-17													
1.05 (1)	Effluent Pump Station Electrical Equipment (Pumps 7-9) and Wetwell Rehab	25-Feb-17	25-May-17													
1.06	Gravity Sludge Thickeners	11-Apr-17	06-Mar-18													
1.08	Dewatering Facility	11-Apr-17	06-Mar-18													
1.09	FOG Removal Facility	09-Dec-16	02-Nov-17													
1.12	Chlorine Contact Chamber Structural Rehab	28-Nov-16	26-May-17													
2. Central District WWTP																
2.01	Miscellaneous Electrical Improvements	06-Oct-16	19-Feb-19													
2.01 (1)	Substations 7A, 8A, 9A, & 10A	28-Jul-17	31-Aug-18													
2.01 (5)	Substations 15 & 16 (Project 2.15)	06-Oct-16	29-Dec-17													
2.01 (6)	Substations 17 & 18 (Project 2.19)	30-Jun-17	19-Feb-19													
2.02	Building Improvements	13-Nov-16	07-Aug-17													
2.02 (1)	CD Administration Building & Misc. Ro of Improvements	13-Nov-16	10-Jul-17													
2.02 (2)	Remodel Bathrooms, Locker Rooms & Showers	11-Dec-16	07-Aug-17													
2.03	Headworks/Grit Basin Plant 1	17-Sep-16	01-Oct-17													
2.04	Headworks/Grit Basin Plant 2	17-Sep-16	30-Mar-18													
2.05	Oxygenation Trains Plant 1	25-Feb-17	25-May-17													
2.06	Oxygenation Trains Plant 2	02-Feb-15A	30-Nov-17													
2.10	Return Sludge PS Plant 2	22-Apr-16A	25-Feb-23													
2.12	Gravity Sludge Thickeners Plant 1	11-Apr-17	06-Mar-18													
2.13	Gravity Sludge Thickeners Plant 2	11-Apr-17	06-Mar-18													
2.15	Digesters Plant 2	06-Oct-16	29-Dec-17													
2.15.1	Cluster 1	06-Oct-16	29-Dec-17													
2.16	Dewatering Building	11-May-17	05-Apr-18													
2.17	Chlorination Facilities	18-Apr-16A	19-Oct-17													
2.18	Odor Control Systems	17-Sep-16	30-Mar-18													
2.18 (1)	Headworks Odor Controls System (Project 2.03/2.04)	17-Sep-16	30-Mar-18													
2.19	Co-Gen Improvements	30-Jun-17	19-Feb-19													
2.19 (2a)	Co-Gen Biogas Treatment Facilities	29-Aug-17	02-Oct-18													
2.19 (2b)	Co-Gen Restroom and Building Rehab	30-Jun-17	19-Feb-19													
2.22	Pump Station No.2	17-Nov-16	30-Aug-17													
2.25	Ventilation Improvements	17-Sep-16	30-Mar-18													
2.25 (2)	Headworks HVAC Improvements (Project 2.03/2.04)	17-Sep-16	30-Mar-18													
2.25 (3)	Digester Control Building HVAC Improvements (Project 2.15)	06-Oct-16	29-Dec-17													
2.25 (5)	Pump Station 2 HVAC Improvements (Project 2.22)	17-Nov-16	30-Aug-17													
2.CM	CDWWTP Construction Management Office	17-Sep-17	09-May-19													
3. North District WWTP																
3.01	Headworks and Sludge Degritting & Transfer	02-Nov-15A	27-Sep-17													
3.05	Secondary Clarifiers	22-Sep-15A	21-Dec-16													
3.05 (1)	Secondary Clarifiers (Replace Mechanisms #1-10)	22-Sep-15A	21-Dec-16													
3.08	Plant Wide Electrical	02-Nov-15A	27-Sep-17													
3.08 (2)	Electrical Feeders 3-6 (Project 3.01)	02-Nov-15A	27-Sep-17													
3.CM	NDWWTP Construction Management Office	19-Jun-17	08-Feb-19													
4. Wastewater Collection & Transmission Line																
4.01	Collection System II Repairs	19-Oct-15A	30-Sep-17													
4.01 (1.0)	PMCM CIPP II Repairs	07-Dec-15A	30-Sep-17													
4.01 (1.1)	PMCM Dig & Replace II Repairs	19-Oct-15A	30-Sep-17													
4.01 (1.2)	PMCM SSES II	14-Mar-16A	30-Sep-17													
4.05	South Dade 54 inch PCCP FM Rehabilitation	15-Oct-16	11-Aug-17													
4.05 (1)	48/54" FM from SW 127 Ave/SW 280 St. to SW 107 Ave/SW 248 St (Phase 1)	15-Oct-16	11-Aug-17													
4.08	Rehabilitation of 54 inch PCCP FM in the City	21-Aug-16	09-Apr-18													
4.08 (1)	Rehab 2 Miles of 54 Inch PCCP FM (Consent Decree)	21-Aug-16	09-Apr-18													
4.08 (2)	Rehab/Replace an Additional 2 Miles of 54" PCCP FM (Non-Consent Decree)	10-Apr-17	09-Apr-18													
4.09	Replace Approximately 30 miles of AC FM Transmission System	17-May-16A	25-Jul-19													
4.09 (2)	Replacement of 2,403 LF of 12" ACP FM - NE 14th Ave. from PS-0455 to Miami Gardens Dr.	17-May-16A	14-Feb-17													
4.09 (6-7)	Replace 325LF of 6" ACP FM from PS #0362 to NW52nd Ct. and 190th St. & 400LF 10" to 189th	10-Sep-16	09-Mar-17													
4.09 (20-21)	Replace 467LF 8" ACP FM from PS#0366 to NW 42nd Pl/199th Ter. & 1792LF 10" - 39th Ct/199th	15-Aug-16	16-May-17													
4.09 (22)	Replacement of 2,013 LF of 6" ACP FM from PS#358 to PS#0352	18-Jul-16A	16-Mar-17													
4.09 (23)	Replacement of 1857 LF of 8" ACP FM from PS#1022 to SW 352nd St & 286LF Along 187 Ave.	22-Jan-17	25-Feb-18													
4.09 (24)	Replacement of 840 LF of 8" ACP FM Along NW 49th Ct. from PS#0353 to NW 177th St.	22-Aug-16	18-Feb-17													
4.09 (25-26)	Replacement of 1040 LF of 10" ACP FM from NW173rd Dr/52nd Ave. to NW 177th St/52nd Ave	22-Aug-16	23-Apr-17													
4.09 (27)	Replace 263 LF of 4" ACP FM in SW 149th Ter from SW 89th Ave. to PVT PS Property	01-Sep-16	29-Nov-16													
4.09 (29-31)	Replace 6" & 12" ACP PVC FMs from 107th Ave and SW 76 St. and 10" FM from PS#0812	29-Nov-16	22-May-18													
4.09 (32)	Replacement of 684 LF of 12" ACP FM in SW 107th Ave. from 104th St. to Kandle Blvd	29-Aug-16	28-Feb-17													
4.09 (33)	Replace 1701 LF 4" ACP from PVT PS at SW104th Ave. & 169th St. to MH42 at SW 103rd Ave.	29-Jul-16A	02-Apr-17													
4.09 (46)	Replacement of 157 LF of 6" ACP FM from SW 107th Ct/159th St to SW 107th Ave/159th St.	17-May-17	22-Nov-17													
4.09 (47)	Replacement of 1023 LF of 8" ACP FM from PS#0869 to SW 122nd Ave./88th St.	15-Aug-16	14-Feb-17													
4.09 (48-53, 63)	Replace 8" & 10" ACP FM with 16", 12" & 8" DIP - SW142 Ave/SW288St to SW123Ct/258St	25-Aug-17	25-Jul-19													
4.09 (65)	Replacement of 2250 LF of 6" ACP FM from PS#1002 to SW 152nd Ave. and 304th St.	11-Jul-17	11-Mar-18													



MIAMI-DADE WATER & SEWER DEPARTMENT
CONSENT DECREE PROGRAM SCHEDULE
CONSTRUCTION ACTIVITIES LOOK AHEAD (FY16-17)

Summary

Schedule Concerns/Issues

Summary

- **CD 2.10 RAS Header Pipeline:** Shortly after award a change in pipe material was requested by WASD, also one 48" Plug Valve was shown on the bid compensation schedule, there are actually two required for the project. WASD PM has directed the Contractor to proceed at an agreed upon price. Contractor provided notice in late July that additional 48" valve delivery has slipped to December 12, 2016. CM has responded, requesting an explanation and more detail. An existing bypass pipe that is to be used during new pipeline tie-in will be repaired by WASD in advance of Contractor usage.
- **CD Project 2.17 Chlorination Facilities at Central District Treatment Plant:** Late award of project puts the number of days per contract beyond the required consent decree delivery date. No acceleration to be considered until foundation work is complete. Existing 20inch Water line that was not shown on drawings has delayed site 2 pile cap installation. WASD directed contractor to proceed via email. Change for contractor to supply the FRP tanks sent to WASD in order to provide direction to the contractor.
- **CD Project 3.01 Headwork Upgrade:** The time that all the change orders is taking is a big concern, at this moment there are 3 under analysis.
- **CD Project 3.05 Secondary Clarifiers:** CD PMCM Team still does not have all the required contractual documentation.
- **CD4.9 (2) 12-Inch DI force main replacement at NE 14th Avenue and Miami Gardens Drive:** PCO-001 Unforeseen conditions; concrete slab of unknown dimensions located approx. at STA 105+00. The concrete slab is in direct conflict with the proposed force main alignment.

Change Management

Summary

Changes in Process This Period:

Several changes have been submitted to WASD but none have been approved this period.

CD 2.10 RAS Header Pipeline

- RFP-001 48" Plug Valve: Quantity of required 48" valves was incorrect on the bid form. Contractor was directed by WASD to proceed with procurement of the second valve. Schedule impact was agreed to, subsequently contractor has advised of a delay in procurement. This is being evaluated. WASD directly Negotiated Cost: \$300,000
- RFP-002 DI Pipe and Fittings Zinc Coating: WASD directed that all buried Ductile Iron pipe and fittings are to be zinc coated. Contractor was directed by WASD to proceed with the modification to the material. Schedule impact has been agreed to by CM. RFP will full documentation will be forwarded to WASD. Negotiated Cost: \$24,292

CD 2.17 Chlorination Facilities at Central District Treatment

- RFP-001 FRP Tanks: FRP Tanks are being changed from owner furnished to Contractor furnished. Contractor revised pricing will be used to finalize RFP and Issue to WASD for processing. Request sent to WASD to direct contractor to proceed in parallel to the RFP being processed in Proliance. Negotiated Cost: \$1,024,468
- RFP-002 Conduit Type: Flex conduit has been requested by WASD to be non-metallic variety. RFP has be forwarded to WASD for processing. Negotiated Cost: \$1,248
- RFP-XX Permit Driven Design Modifications: As a result of the permit process post bid there are required modifications to the plans and specifications. Awaiting MWH to provide this draft RFP package.
- RFP XX Engineer Temporary Conex Trailer. WASD approved Contractor to provide Conex office trailer on a Time and Material Basis for a not to exceed cost of \$12,000. Once all costs for the change have been collected, the RFP in Proliance will be finalized Trailer.
- RFP XX Eye Wash Conduit and wire. RFI-015 detailed that conduit and wire was not shown for 4 emergency eye wash stations. RFP being drafted for contractor pricing. Details being provided to WASD owner furnished panel vendor for necessary changes. Awaiting Contractor Proposal and PMCM Estimate.

- Dedicated Allowance Withdrawal: Realignment of 20 FW pipe at site 2. RFI-019 detailed that an unknown 20 FW pipe runs into the pile caps at site 2. WASD PM has directed the Contractor to proceed with the work for the negotiated price of \$33,105. Funds will be withdrawn from dedicated allowance, bid item #23.

CD 3.01 NDWWTP – Headworks and Sludge Degritting and Transfer

- RFP 002 Pump bases (Concrete + SS): Proposal was received from Contractor. There was no information (Drawings-Specifications) for the change. The PMCM Team recommended the process of this change based on the Plant Personnel opinion. RFP was submitted on 07/29 and forwarded to Compliance Department on 07/29. Rough Order of Magnitude cost: \$45,000
- RFP 003 Fire Sprinkler Non Potable Connection: RFI to be sent. RFI was sent and answered. P&K to follow up with the investigation. RFP has been entered in Proliance and will be submitted once cost is received. Pending Engineering Design Clarification (EDC).
- RFP 004 Electrical Changes EDC#6 Proposal was sent by contractor, independent estimator is working on an estimate, RFP has been initiated in Proliance and will be submitted once the negotiations (based on the independent estimate) are finished. Rough Order of Magnitude cost: \$75,000
- RFP 005 Revision of Contract Milestone. The RFP was resubmitted on 07/11 to WASD, RFP has had some additional comments from WASD Compliance Department, resubmitted again on 07/18. RFP was forwarded to Compliance Department on 07/28. No additional cost.
- RFP 006 Temporary CM Trailer. A drawing package is being prepared for the installation of a temporary trailer that will serve as CM offices. Once package is finalized, contractor to provide a cost. RFP has been entered in Proliance and will be submitted once cost is received. Rough Order of Magnitude cost: \$18,000
- RFP 007 Floor Leveling at Pretreatment Building. Proposal was received and RFP was submitted on 07/18 and forwarded to Compliance Department on 07/28. Rough Order of Magnitude cost: \$15,000

CD 4.01 Infiltration / Inflow (I) Reduction

- RFP 001 T2049 Extra Work #1, repair of dual water services: unforeseen conditions encountered in the field. In draft pending authorization. Rough Order of Magnitude cost: \$3,981
- RFP 002 T2049 Extra Work #2, unforeseen concrete demolition: large unexpected concrete surround to existing pipe. In draft pending authorization. Rough Order of Magnitude cost: \$2,148

- RFP003 T2049, Extra Work #3, electrical conduit repair: unforeseen conditions in the field. In draft pending authorization. Rough Order of Magnitude cost: \$4,493

Potential Change Orders (PCO):

CD 2.17 Chlorination Facilities at Central District Treatment

- PCO-001 Permit Delay: Contractor issued letter of notice of delay due to permit. Contract Allowance \$60,000. Change has not yet been priced.
- PCO-002 Engineering Trailer Layout Changes: Two figures referenced in the contract drawings were not included at bid time. When supplied with these two figures Contractor is claiming a change based on what was priced at bid time. Awaiting cost information from Contractor. PCO-007 Obstruction at Pile 873 Site 1. RFI-020 indicated a subsurface obstruction was hit during this piles installation. Contractor completed work and CM will document cost and forward RFP for application to established dedicated allowance account. Rough Order of Magnitude cost: \$20,000 or no cost

CD 3.01 NDWWTP – Headworks and Sludge Degritting and Transfer

- PCO- 007 Thermostat relocation at electrical room. To be voided
- PCO - 011 Tank Report (Scrubbers): WASD Media to be installed in the first scrubber. Report to follow on the second tank. Cost will depend on the report of the as built conditions.
- PCO- 012 Access Road Final Profile: RFI to be sent. To be voided.
- PCO - 013 Curbes at doors. Design for screen overflow: EOR to analyze and design. BC is working on it. Engineering Design Clarification (EDC) will be issued. Coordination meeting was held to define. Cost will depend on EDC scope of work.
- PCO-014-Door Hardware Submittal: To be voided.
- PCO-015 New Valves at Digester: To be voided

CD 4.9 (2) 12-Inch DI Force Main Replacement

- PCO-001 Unforeseen conditions; concrete slab of unknown dimensions located approx. at STA 105+00. The concrete slab is in direct conflict with the proposed force main alignment. Rough Order of Magnitude cost: \$12,000