November 2017 Monthly Report

BJCJSTP Rehabilitation and Restoration Project

Background

The Binghamton-Johnson City Joint Sewage Treatment Plant (BJCJSTP) processes 18 million gallons per day with the capability of processing up to 60 million gallons per day (MGD) of wet weather flow. This plant is jointly owned by the City of Binghamton and the Village of Johnson City and managed by the Binghamton-Johnson City Joint Sewage Board (BJCJSB).

The BJCJSTP has suffered several catastrophic events since 2006. In 2006, the BJCJSTP was flooded by a 500 year flood that affected many of the processes in operation. In May of 2011, a concrete structure suffered structural failure, and in September 2011, the BJCJSTP suffered another 500 year flood that critically damaged equipment and rendered the secondary treatment fundamentally inoperable. The secondary process system is still largely inoperable today. A Consent Order was negotiated between the City of Binghamton, the Village of Johnson City, the BJCJSB and the NYSDEC to develop a plan to restore treatment operations at the BJCJSTP. The Consent Order requires the BJCJSTP to restore secondary treatment functionality and be able to fully treat 35 MGD of wet weather flow by August 1, 2018. To achieve this level of treatment, the reconstruction and testing of the Secondary Treatment Process must be completed as necessary to achieve treatment of 35 MGD. To comply with the Consent Order, the Sewage Treatment Plant must then be fully operable by May, 1, 2019, including the remainder of the secondary treatment process. There are also several interim milestones included in the Consent Order. The Consent Order has been amended to extend several interim milestones, and DEC has been made aware of the likely finish of the Phase 1 Milestone after the August 1, 2018.

The project is being constructed in accordance with Wicks Law, which requires that the project be bid as multiple prime contracts. More specifically, Wicks Law requires that the bulk of the construction work, consisting of the secondary treatment biological filtration filters (BAF), be divided into a General Civil Construction Contract, an Electrical Contract, an HVAC Contract and a Plumbing Contract. The following projects are either nearing completion, in construction, or in the planning stage.

Contract No.	Description	Status
Contract No. 1	Compost Facility Demolition	Complete
Contract No. 2	FEMA Mechanical	Substantial Completion Date July 2016 Anticipated Completion Date February 2018
Contract No. 3	BAF Facility Demolition	Complete
Contract No. 4	MCC HH Emergency Replacement	Substantial completion in December 2016. Anticipated final completion December 2017

Contract No. 5	BAF Restoration and Rehabilitation Civil Contract	Notice to Proceed (NTP) Issued May 27, 2016. Projected Phase 1 Substantial Completion October 2018. Projected Phase 2 Substantial Completion May 2019.
Contract No. 6	BAF Electrical	NTP Issued May 27, 2016. Projected Phase 1 Substantial Completion October 2018. Projected Phase 2 Substantial Completion May 2019.
Contract No. 7	BAF HVAC	NTP Issued May 27, 2016. Projected Phase 1 Substantial Completion October 2018.
Contract No. 8	BAF Plumbing	NTP Issued May 27, 2016. Projected Phase 1 Substantial Completion October 2018.
Contract No. 9	Secant Pile Contract	Project Final Completion achieved on October 2017.
Contract No. 10	Solids Handling Renovation Civil Contract	NTP Issued July 20, 2017. Substantial Completion #1 – April 15, 2018; Substantial Completion #2 – November 12, 2018; Substantial Completion #3 – February 20, 2019; Final Completion - July 10, 2019.
Contract No. 11	Solids Handling Electrical	See Contract #10 Completion Dates.
Contract No. 12	Solids Handling HVAC	See Contract #10 Completion Dates.
Contract No. 13	Solids Handling Plumbing	See Contract #10 Completion Dates.
Floodwall	Floodwall and New Diversion Structure	Currently in construction. Anticipated Completion Date April 2018.

Contract Descriptions

Contract No. 1 - Compost Facility Demolition

Demolition of the upper portion of the compost facility was performed to accommodate the construction of the new Administration Building to house the plant staff as well as provide the new control room to operate the new facilities. Demolition of the lower portion of the Compost Building cleared the way for the construction of a new maintenance facility.

Contract Status: 100% Complete – Contract Closed

Contract No. 2 - FEMA Mechanical

The FEMA Mechanical Project replaces valves, equipment and other miscellaneous items damaged in the 2011 flood. It includes equipment in both the East and West Primary Sludge Pumping Stations, valves and equipment located in the Head House, and equipment associated with Sludge

Thickener Pumping Station Nos. 1 and 2. The cost of the work associated with this contract is being reimbursed by FEMA due to the flood of 2011.

Status: Blue Heron has completed all of the work not deleted by change. The elutriate pumps were deleted from the scope of work and will be performed under Contract #5. Blue Heron will complete the repairs of the defective mag meter for the centrifuges. This will allow us to process the final change order and begin preparing the final closeout documents.

Contract Status: 99% Complete

Contract No. 3 - BAF Facility Demolition

The BAF Demolition Contract removed the existing structures and utilities that conflict with the new construction work included in the BAF Rehabilitation and Restoration Project. Demolition efforts included selective demolition in the existing process tanks (C-Filters, N-Filters, and DN-Filters) and buildings and mechanical equipment and piping to ready the site for new construction.

Contract Status: 100% Complete – Contract Closed

Contract No. 4 - MCC - HH Emergency Replacement

Contract 4 replaced the original existing Motor Control Center (MCC) in the Head House (HH). The MCC is 50 years old, and is identified as MCC-HH. The contract was bid as an emergency contract because the electrical system in the Head House was both critical to keeping the BJCJSTP in service, and because the original MCC was extremely unreliable due to the age and deteriorated condition of the gear. MCC HH Emergency replacement also replaced the existing raw sewage pump drives of the existing 50 year old equipment including new electrical feeders from the HH to the Johnson City Grit House No. 1, a new feeder from the HH to the Thickened Sludge Pump Station No. 1, and various other panel boards. The emergency work also included replacement of the existing raw sewage variable frequency drives that were located in the existing MCC HH. The new drives installed are more reliable, more efficient, and will provide better performance of the existing raw sewage pumps.

Status: All work on the MCC HH project has been completed. Close out and archiving should be completed by the end of December 2017.

Contract Status: 100% Complete

Contract No. 5 - BAF Restoration and Rehabilitation Civil Contract

When combined with the other BAF contracts (Nos. 6, 7 & 8), Contract No. 5, the General Civil Contract, is intended to provide a functioning automated plant using a BIOSTYR system that can be modified to fit current plant configurations. It is also intended to provide functioning automated headworks and primary clarification processes upstream of the BIOSTYR system and solid handling processes downstream of the BIOSTYR system.

Major components of the work under Contract No. 5 include new coarse screens and ancillary equipment, new piping and valves for the influent pumps, new metering equipment, new fine screens and grit removal with ancillary equipment, a new primary distribution box, new mechanical equipment for primary clarifiers 1-10, new chemical equipment for primary treatment, new chemical storage building, modification of the primary clarifier structural components to replace the aged and deteriorated mechanical equipment, new secondary influent pumps for the new BAF system, a new BAF backwash tank, new CNBAF and DN-BAF facilities, a new methanol system that will feed the DN-BAF cells, new Ultra Violet Light disinfection system to replace the existing chlorine disinfection system, new sludge thickening equipment and systems, a new administration building, new odor control equipment, two new 2MW electric generators, and a new plant outfall to the river.

Status: The shotcrete continued in the BAF Backwash Tank, and they have competed installing the shotcrete for the walls in the BAF Backwash Tank. KHM continues to be difficult to deal with in getting them to commit to the Civil Prime Contractor on dates they will be onsite, but they have completed filling most of the intersections of the secants in the upper level of BAF C C-N Cells 9-14. We are anticipating that the upper level shotcrete to be completed in January 2018. PC has continued the work on the BAF Backwash Tank roof deck, with placements being made from north to south. PC should have all portions of the BAF Backwash Tank deck completed the first week in December 2017. Construction work for the walls for C-N Cells 9-1 has begun, and will continue for several months.

The contractor has completed the excavation for the new Headworks and BAF Backwash Treatment facility, and is nearing completion on the slab for the new Headworks. PC is nearing completion on the walls for the BAF Backwash Treatment Facility and has begun backfill. They should complete the lower level walls for the Headworks in December, and complete the walls for the BAF Backwash Treatment Facility in January. PC had an obligation to remove and relocate an electrical ductbank along the west end of the excavation. PC discovered that the ductbank was constructed of asbestos containing material, and a permit was required to allow the ductbank to be removed. The removal and relocation of the ductbank is now complete. Concrete work is resuming for the Primary Influent Distribution Box now that PC has satisfied GHD regarding the misplaced dowels in the slab for the distribution box. After the walls are complete for the Primary Influent Distribution Box, PC will begin installing Primary Influent piping to the Primary Clarifiers 1-10. PC gained about a week on the schedule for the Headworks this month, and anticipates having the slabs for the Headworks complete by early December. Two weeks were lost this month on the schedule for the Headworks. The duration to complete the Headworks is now the third longest duration, following the CN Cells 1-8 and the DN Cells.

Pipe work in the Courtyard area was completed in November. Special care was taken to avoid undermining the existing Courtyard substation during the pipe replacement work. The work area has been turned over to Matco to install their ductbanks for the courtyard equipment. This equipment installation is critical to allow us to decommission the severely compromised courtyard substation. Due to the poor condition of the courtyard switchgear, the Owner has rented a backup generator to provide power to the plant. We have extended the generator rental six months via change order. We will be maintaining the emergency generator until the new generators are installed and operational.

The thrust restraint for the Johnson City force main has been installed adjacent to the Primary Settling Tanks #1 and #6. Once the line is completely installed to the Headworks, the line will prevent the buried valve from moving. An urgent issue has developed to decide if we install a valve inside the new Headworks to allow the JC Force Main to be isolated from the Headworks. PC has submitted a valve in accordance with the specifications provided by GHD, but the manufacturer appears to be having difficulty meeting the American Iron and Steel provision of the EFC requirements to the contract.

The temporary disinfection facilities provided by PC are now in service and have been confirmed to be providing adequate disinfection to meet permit requirements. These temporary disinfection facilities have allowed us to take chlorine tank #3 out of service. The flow through Chlorine Tank #2 has been diverted over a new broad crest weir in the Northwest corner of Chlorine Tank #2. A temporary 36" outfall line was installed and has allowed the existing 84" outfall to be permanently removed from service. The 36" short term temporary outfall was supplemented with an additional 24" short term temporary outfall. The high rain fall events on Sunday October 29th confirmed that the additional 24" outfall has provided the additional capacity necessary to eliminate any impact to the CCT#2 operating level. PC is developing a plan to do a long term temporary pipe to the new 72" outfall to address the necessity to have the flow diverted through the new 72" outfall by November 2017. CCT#3 has been removed from service and PC has completed the asbestos abatement in CCT#3, which gets converted to containment for methanol tanks. The existing chlorine building is being converted to control the new methanol systems.

The contractor completed installing and testing the 4 month bypass system in the existing Regulator vault. The heavy rains on Sunday October 29th identified some issues that the contractor needed to correct, and those issues were corrected by the end of the month of October. There are still some flow issues that the STP staff has brought to our attention, and we have PC working with their temporary pump supplier to try to eliminate the large variance in flow over short durations. PC has begun demolition of the coarse screen building and equipment as well as the influent flume for the existing Binghamton raw sewage pumps. The coarse screen building has been demolished and will be rebuilt by PC during the bypass pump period. PC is still having some issues with leakage from the regulator vault to the existing coarse screen building. The leakage has prevented PC from being able to execute the work in the Coarse Screen Building and Headhouse Wetwell as planned. One of the two new course screening units is being used by the contractor during this interim period for service within the Regulator vault. The manufacturer will refurbish and re-certify the unit before it is installed in the Screening facility for permanent service.

The re-construction of Primary Settling tanks #7-10 is progressing well with much of the new concrete work being completed. The concrete coatings are being installed and should be completed within two months. The initial leakage test was started and it has been determined that there are significant existing construction expansion joints. GHD has reviewed the leaks and determined that the specified water stop will work to repair the leaks in the expansion joints.

The reinforcing steel issues pertaining to the CN Cells 1-8 areas have been resolved and the construction of the concrete demising walls and columns continued this month. It is critical that the work in the CN Cells be expedited because they are now on or near the critical path for the project. They share a similar length of construction duration with the DN Cells. Work on the west

end of the DN Cells began, and the condition of the slab is different than could be anticipated during the design phase. We now have a solution and the work is progressing. The contractor is alleging that the DN Cells are now on the critical path and not the Headworks. This is a concern because the Contractor may allege that the CN and DN cells have extended the contractual completion dates.

Construction work in the area of the new UV treatment facility continued this month with the concrete work for the walls on the east end of the UV Facility. PC did not meet their required completion date for the flood protection by November 18, 2017. They have expressed a commitment to expediting the exterior walls with the intent of providing flood protection of the plant in the northwest corner of the plant.

Yard piping and utility replacement construction activities are continuing around the site. The new gas line to the plant is currently being installed by PC as well as NYSEG's portion at the gas meter.

Construction of the new Chemical Building is well underway. The concrete block walls are up and brick is being installed. The precast concrete beams have been placed and the roof has been installed. The chemical tanks are scheduled to arrive in January. The concrete coatings are being installed as needed to meet the equipment installation at the new Chemical Storage Building.

The new Pump Station #4 passed the leakage test and PC has completed backfilled around the pump station. The caisson installation has begun, and it was determine that the depth to the bedrock appears to be about 8 feet deeper than originally shown on the geotechnical report. After the caissons are installed, the concrete work can begin for the slab in the Blower Building. Completion of the slab for the Blower Building is essential for achieving flood protection for the plant.

Recasting for the new generator equipment pads and the new equipment slabs are now complete. The west end of the structure has been opened to allow the new generator equipment to be inserted into the building from the west end. The new generator equipment has been in storage for several months, and is now scheduled to be installed into the building in early December. The electrical feed from the new generators to the transformers will not fit as originally designed by GHD. We have received a response to most of the issues with the change, but we still are waiting on a design for the conduit supports for the large conduits running between the generator equipment and the existing switchgear.

Kruger equipment submittals are complete and the final detailed reviews are in progress. Bi-weekly telephone conference calls with the Kruger, PC, GHD, and the CM have proven helpful in progressing the work. The casting of nozzle decks is complete and has progressed satisfactorily. PC has stored the nozzle decks near the-site. We have received the preliminary BAF Operations and Maintenance manuals as well as the startup and testing plan from Kruger. Installation of the precast slabs is scheduled to begin in early 2018.

The work for the interior of the Administration Building is progressing, and PC is making a concerted effort to have the new Administration Building ready to occupy before the end of the year. The wall painting began in November, and the remaining interior finishes are being installed in December. The metal ductwork, plumbing and electrical items are progressing. The green roof

is being installed and should complete in early December. Brick work is now complete. Much of the Sewage Treatment staff is operating out of an off-site temporary facility, with core maintenance and system operators remaining on-site.

PC has installed the permanent 72" effluent outfall pipe and structure; however, it is not yet in service. Streeter has installed the temporary heavy stone swale at the end of the 72" outfall in compliance with the USACE permit requirements. PC failed to complete then new 72" outfall system by November 18th to provide the required flood protection from the Susquehanna River. A short term temporary outfall has been constructed by the Floodwall contractor and PC will need to install a long term temporary outfall to allow the Floodwall Contractor to complete their work.

Contract Status: 37% Complete

Contract No. 6 - BAF Electrical

The BAF Electrical contract supports the BAF General Civil Contract and includes all electrical and instrumentation associated with the BAF contracts. The components include installation of the new UV disinfection system, installation of the new generators, installation of the electrical feed throughout the plant, as well as installation of the instrumentation and SCADA System throughout the plant.

Status: The manholes and the associated duct bank work for the new dual primary service are nearly complete. The first of the new feeds to the plant has been connected and was energized in late August. The second feeder has been reinstalled by MATCO. The ductbank was removed to clear the construction are for the support of excavation for the Solids Handling Building. Installation of the major conduits for the generators has not been begun because the design of the newly required conduit support system is not complete. MATCO is actively installing the conduit for the new generators in the new Generator Building. Conduit installation of circuits, alarms and communication at the Administration Building is progressing.

Much of the large electrical transformer and switchgear equipment is in storage in a local warehouse. The two new 2 MW permanent generators were also delivered during August and have been placed in local storage until the Generator Building is made ready for installation of this equipment. MATCO has scheduled the delivery of the generator equipment for installation in early December. MATCO is preparing for installation of the conduit and wiring in the Generator Building for the new NYSEG feeds, electrical conduit and wire for new generators, and the electrical conduit and wire for the courtyard switchgear.

The new Courtyard substation was delivered and put into storage locally pending completion of the new concrete ductbanks in the courtyard in December. The Courtyard is a utility congested area with major underground piping and extensive electrical ductbanks. PC finally completed backfill for the pipework in the courtyard early this month. MATCO expected to be working in earnest next month with the installation of new ductbanks and the beginning of installation activities associated with the new substation equipment. PC delayed installation of the pipework in the area into October and did not finish the backfill until late November.

PC has opened up additional areas for MATCO work in the Chemical Building, the northwest Electrical Building, and is planning to expedite work for the east portion of the DN Cell Electrical Building.

Contract Status: 44% Complete

Contract No. 7 - BAF HVAC

The BAF HVAC Contract supports the BAF General Civil Contract and includes installation of all HVAC Systems in all STP Facilities as well as revisions to the odor control systems throughout the plant. The odor control improvements are intended to alleviate the odors that have been prevalent in the past in and around the plant.

Status: Contract No. 7 was awarded on May 27, 2016 in compliance with the DEC milestones in the Consent Order. The contractor continued working on ductwork installation in the Maintenance Building, the East Scrubber Building, the Headhouse and the Chemical Storage Building. J&K has provided supporting information for the development of the CPM Schedule. They are coordinating with PC Construction and the other prime contractors. They have acknowledged they can meet the required milestones of the Consent Order. J&K continued installing the HVAC equipment in the new Administration Building this month. Installation of the ductwork is nearing completion in support of PC's push to have the building ready for move in by early January 2018. Rough-in is ongoing with various other work areas around the site.

Contract Status: 43% Complete

Contract No. 8 - BAF Plumbing

The BAF Plumbing Contract supports the BAF General Civil Contract and includes installation of plumbing systems for the new and existing facilities included in Contract No. 5.

Status: Contract No. 8's Notice to Proceed was issued in compliance with the May 27, 2016 milestone for issuing the NTP in the Consent Order. The contractor continues working on plumbing pipe installations in the new Administration Building, the Maintenance Building and the East Scrubber Building. They are coordinating with PC Construction and the other prime contractors and they have confirmed that they can meet the required milestones of the Consent Order. Rough-in at the new Administration Building is nearing completion, and setting of the plumbing fixtures has begun. Danforth is on schedule to support the January occupancy of the building.

Contract Status: 48% Complete

Contract No. 9 - Secant Pile Contract

The Secant Pile Contract includes installation of the secant piles that support the excavation for the new BAF Backwash tank as well as supporting the new CN Cells 9-14. Construction also includes excavation to the final grade for the BAF backwash tank. This project was bid separately from Contracts 5-8. In doing so, a minimum of four months on the critical path schedule was saved.

Status: The installation of the secant pile wall is complete. The contractor has completed the wales and struts and they have completed the excavation to the required elevation for work to begin under Contract 5. One of the two items from the punch list for the project was completed this month. The surfacing of the columns has been completed, and the leaks in the secant piles are being sealed as they become known. To accelerate the project, PC Construction progressed with the placement of the concrete floor of the backwash tank while Welliver addressed the punch list items.

Close out documents have been prepared and are being submitted to close out this project.

Contract Status: 100% Complete

Contract No. 10 - Solids Handling Renovation Civil

Contract No. 10 is intended to renovate and improve the solids handlings systems including the existing digester control building, existing digesters, solids dewatering systems, and all ancillary equipment. As part of the improvement to the solids handling process, the following components will be constructed or installed. The new structures include a new Solids Handling Building, a new Gas Conditioning Building, and a new Sludge Loading Facility. The new equipment being installed includes new centrifuges, new mechanical thickeners, new gas processing equipment, new microturbines, and new scum screening equipment. The scope was further developed during the design processes to include sludge blend tanks. Additionally, the contract renovates the existing laboratory facilities at the STP. The contract was bid as a multi-prime contract consistent with NY State Construction contract requirements.

Status: Bids were received on March 16, 2017. GHD has evaluated the bids and recommended awarding the contracts. The contracts were awarded on May 4, 2017. The NTP's were issued on July 20, 2017. Pre-construction meetings were held on August 2, 2017. Quandel has completed installing the support of excavation for a new building on the south side of the Digester Building and for the new Solids Handling Building. The dewatering effort at the digester building was not compliant with the contract requirements, and Quandel had Stopen Engineering evaluate the soft condition that Quandel created by not dewatering 2 feet below the bottom of the excavation. Stopen's Engineer recommended that Quandel excavate an additional foot of material and use a geotextile fabric to ensure stability for the subgrade. Quandel is proceeding with Stopen being the new Engineer of Record for the subgrade. Subgrade has been established for the building and the reinforcing steel is being installed. The concrete slab is scheduled for placement in early December.

They completed the removal of the asbestos containing material in the electrical ductbank, but have now encountered asbestos containing material in the coating on the outside of the existing Digester Building. This will need to be remediated after the slab is placed for the building. Demolition of the materials in the Digester Control Building is ongoing. Excavation is ongoing for both the Digester complex and the Solids Handling Building. Quandel got off to a late start but appears to be accelerating their work progress. Quandel has stated they have no difficulties meeting the required milestones in their contract.

Contract Status: 8% Complete

Contract 11 - Solids Handling Electrical

The Solids Handling Electrical contract supports the Solids Handling General Civil Contract and includes installation of electrical for the new and existing facilities included in Contract No. 10.

Status: Bids were received on March 16, 2017. GHD has evaluated the bids and recommended awarding the contracts. The contracts were awarded on May 4, 2017. The NTP's were issued on July 20, 2017. Pre-construction meetings were held on August 2, 2017. The electrical contractor is MATCO, as it is on the BAF Contract No. 6. MATCO continues to support the General Civil Contractor's schedule. We have negotiated a change in the conduit material from PVC Coated Rigid material to aluminum as we did on Contract No. 6. The credit being recommended is about $200K. A change order will be prepared to capture this credit.

Contract Status: 3% Complete

Contract 12 - Solids Handling HVAC

The Solids Handling HVAC Contract supports the Solids Handling General Civil Contract and includes installation of HVAC systems for the new and existing facilities included in Contract No. 10.

Status: Bids were received on March 16, 2017. GHD has evaluated the bids and recommended awarding the contracts. The contracts were awarded on May 4, 2017. The NTP's were issued on July 20, 2017. Pre-construction meetings were held on August 2, 2017. The HVAC contractor is J&K Plumbing, as it is on the BAF Contract No. 7. J&K continues to support the General Civil Contractor's schedule.

Contract Status: 4% Complete

Contract 13 - Solids Handling Plumbing

The Solids Handling Plumbing Contract supports the Solids Handling General Civil Contract and includes installation of plumbing systems for the new and existing facilities included in Contract No. 10.

Status: Bids were received on March 16, 2017. GHD has evaluated the bids and recommended awarding the contracts. The contracts were awarded on May 4, 2017. The NTP's were issued on July 20, 2017. Pre-construction meetings were held on August 2, 2017. The plumbing contractor is JW Danforth, as it is on the BAF Contract No. 8. Danforth continues to support the General Civil Contractor's schedule.

Contract Status: 5% Complete

Floodwall

The new floodwall being constructed at the STP is intended to protect the plant to an elevation 1.5 feet above the 2011 flood level. The floodwall includes concrete walls on the east and north sides of the STP. The project also includes two new pump stations to pump up stream out of the plant during the storm events. The new floodwall system works in conjunction with new floodwall features included in Contract No.5 BAF General Civil Construction. The floodwall systems are being funded by a FEMA recovery grant.

Status: Construction has resumed with the concrete work on the west end of the floodwall. The concrete work for the floodwall footing west of the previously removed 84" pipe should be complete in December. The short term temporary outfall is working well, and PC is attempting to get their long term temporary outfall installed in December. Construction of the Vestal sewer line relocation was completed last month. The remaining concrete floodwall should be complete by February 2018.

The concrete work for Pump Stations No 1 and 2 are complete. The contractor has continued installing the pump and pipework for the two pump stations. The contractor is anticipating that they will be complete with the floodwall by February 2017, and will complete the work associated with Manhole #3 on the 54" trunk sewer line from Binghamton east of the floodwall during the spring of 2018. The concrete base has been completed and the precast concrete riser pieces are being installed. The riser section installation and backfill is expected to be completed in December. After Streeter completes the riser section installation, they will be able to install the 54" overflow and also install the Binghamton University Line.

PC Construction's bypass pumping effort was put into service during the last full week of October. Streeter will not be able to complete the gate installation until after the bypass pump operation is complete. The completion of the gate installation in the sampling manhole will occur approximately 2 months after manhole #3 is completed.

Rehabilitation of Digester No. 3 is nearing completion. The repairs have been completed and the coatings have been applied. Scaffolding has been removed from inside the digester and we are nearing the leakage test of the digester. Streeter began water blasting to remove the old coatings in Digester No. 1 & 2. More material has been coming off than anticipated by the Design Engineer. It has been agreed that the best course of action would be to have Streeter complete the removal of the coatings and have Quandel coat the inside of Digesters No. 1 &2. The concrete repairs for Digester No. 3 overran the quantities include in Streeter's proposal. A change order will be needed to pay for the extra concrete repairs. We are negotiating with Streeter to determine the final concrete repair costs for the change order. We are currently projecting the Contractor to complete the floodwall concrete work and pump station work in February of 2018.

Contract Status: 82% Complete

NOTES:

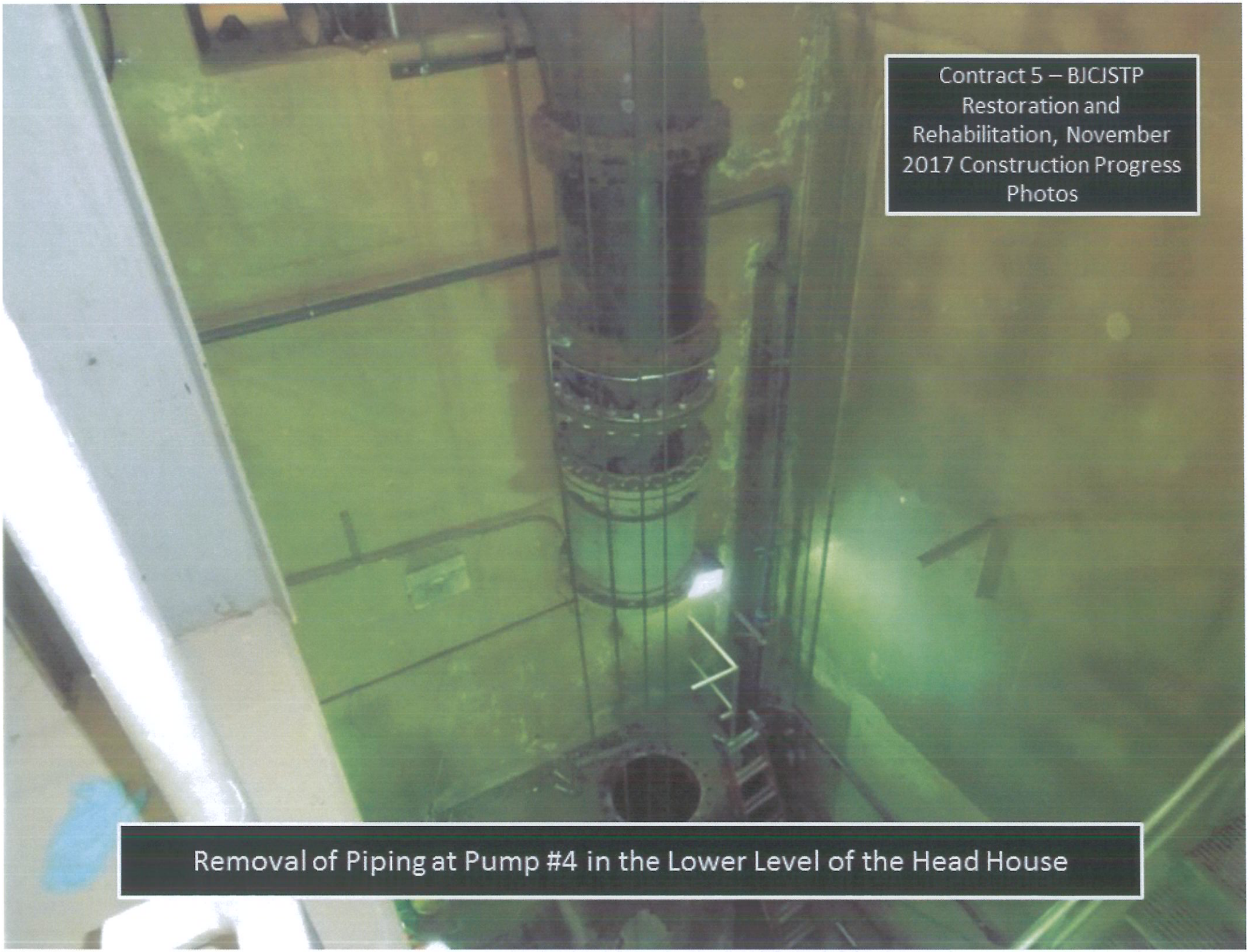
1. SWPPP measures continue to be maintained by all contracts. Any deficiencies noted during daily or weekly inspections are promptly remedied. Additional truck trap entrances have been now been installed at the new entrances. In early December, we will be installing asphalt millings from the truck traps to the undisturbed asphalt pavement inside the plant to reduce tracking mud off site.

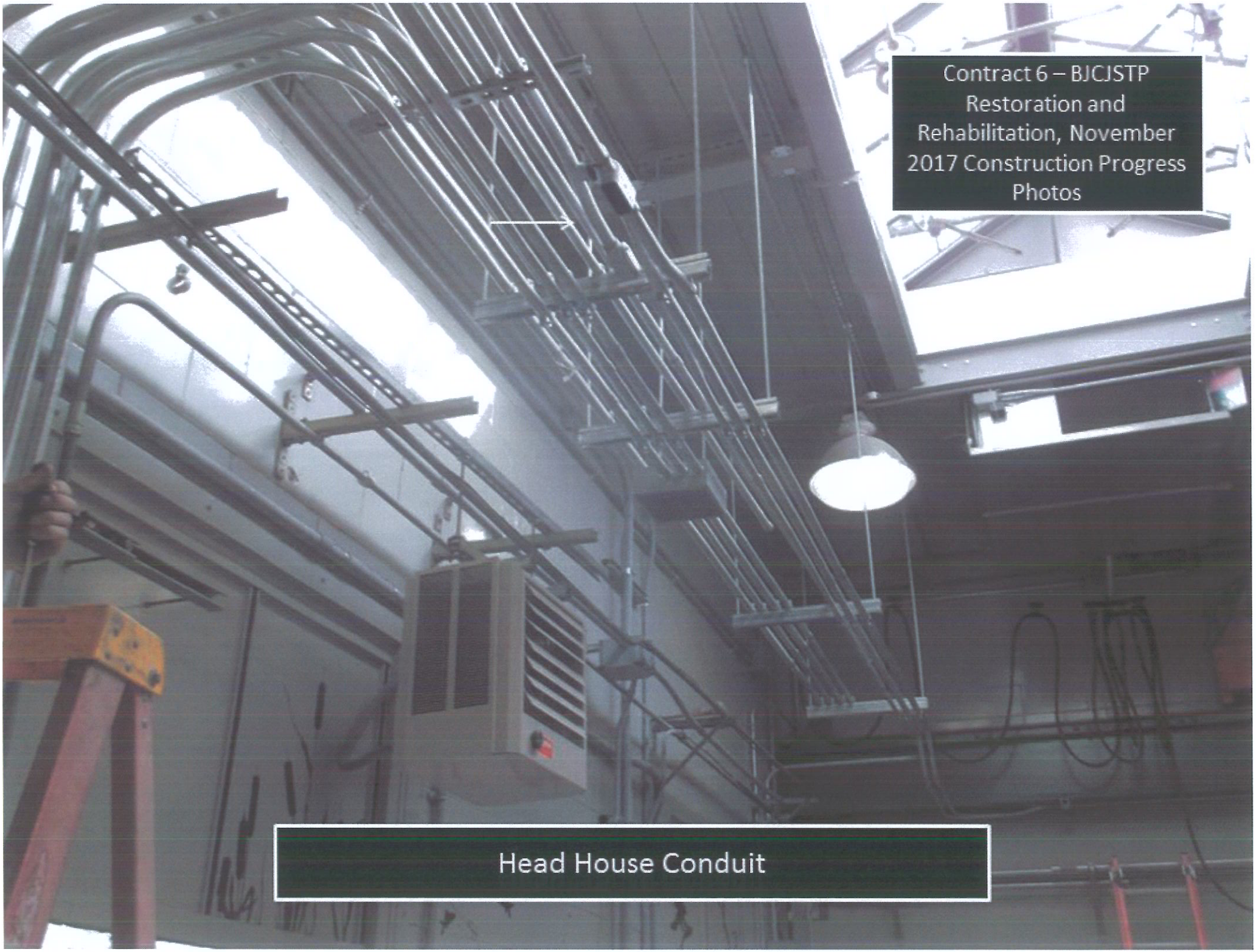
2. Weekly meetings are held for each contract to discuss the progress of the work and identify and resolve issues and problems. Meetings between contractors on the various contracts are held as necessary to facilitate any concerns and coordinate work between all contracts.

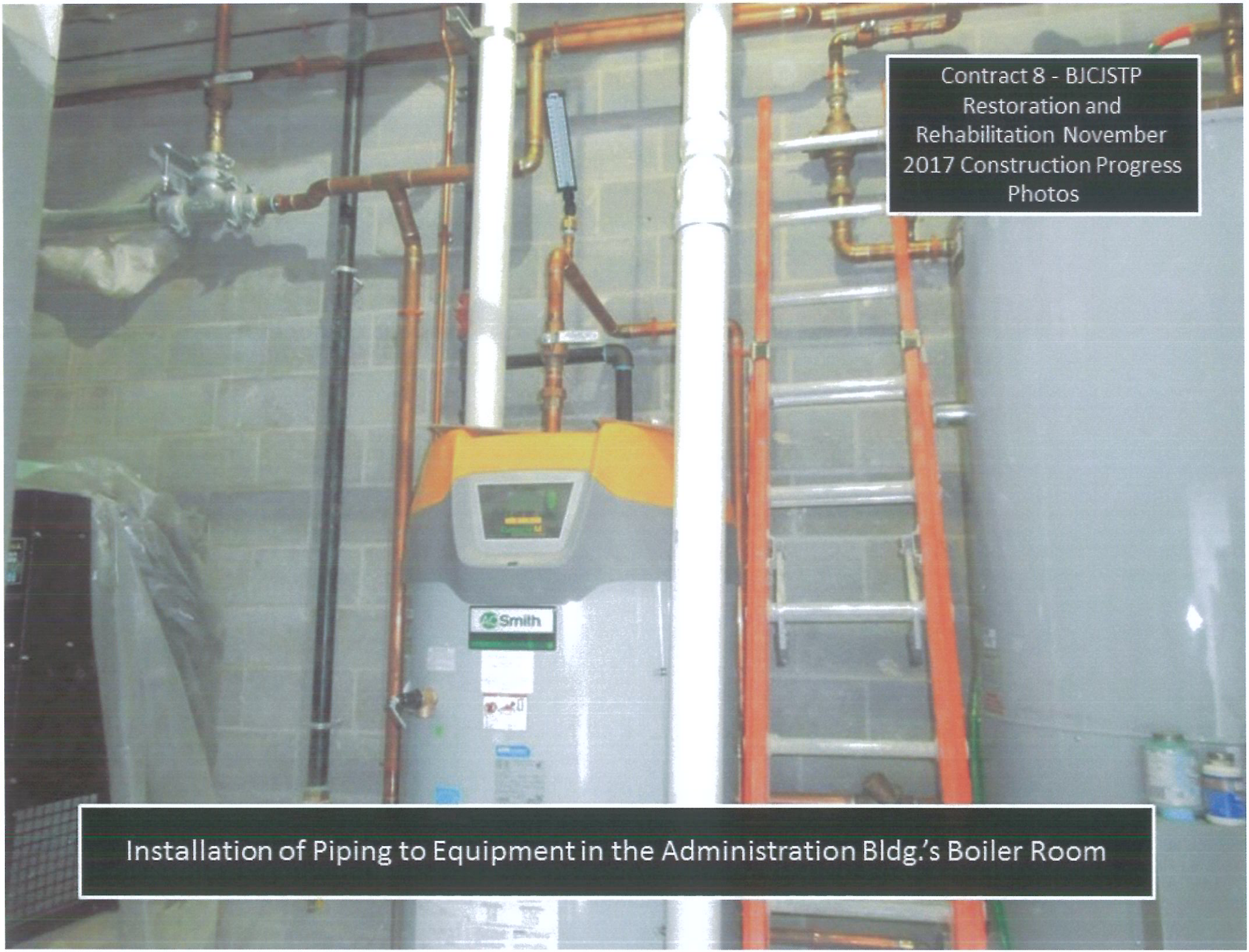
3. Contracts 5-8 are continuing the submittal process for all equipment and materials. They are being reviewed and processed as they are submitted.

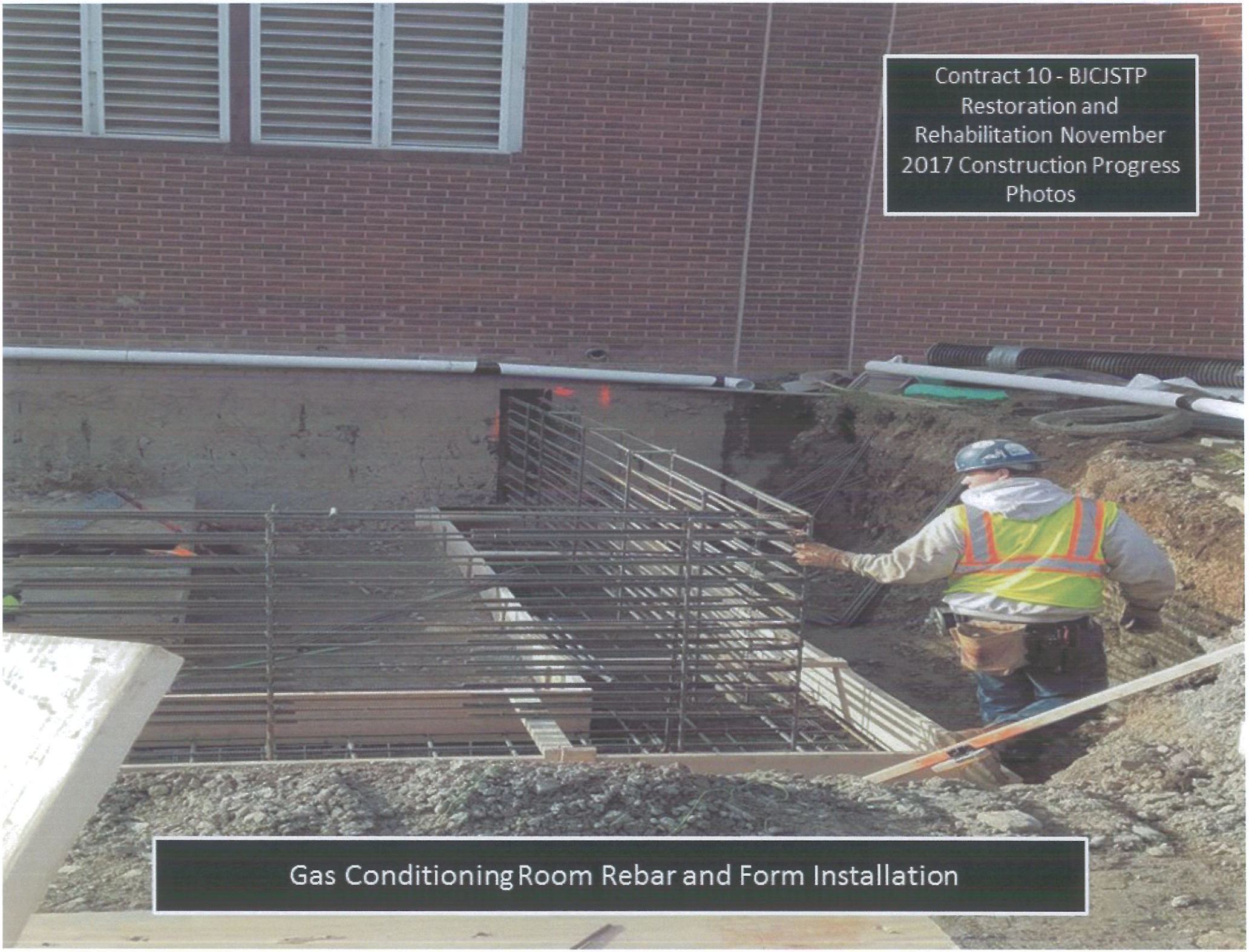
4. Contracts 10-13 are continuing their submittals for all process equipment. They are being processed as they are submitted. Contracts 10 has submitted their CPM schedule and it is compliant with the contract requirements.


Contract 5 – BJCJSTP Restoration and Rehabilitation, November 2017 Construction Progress Photos
Media Blasting Primary Settling Tank 9b


Contract 5 – BJCJSTP Restoration and Rehabilitation, November 2017 Construction Progress Photos
Removal of Piping at Pump #4 in the Lower Level of the Head House

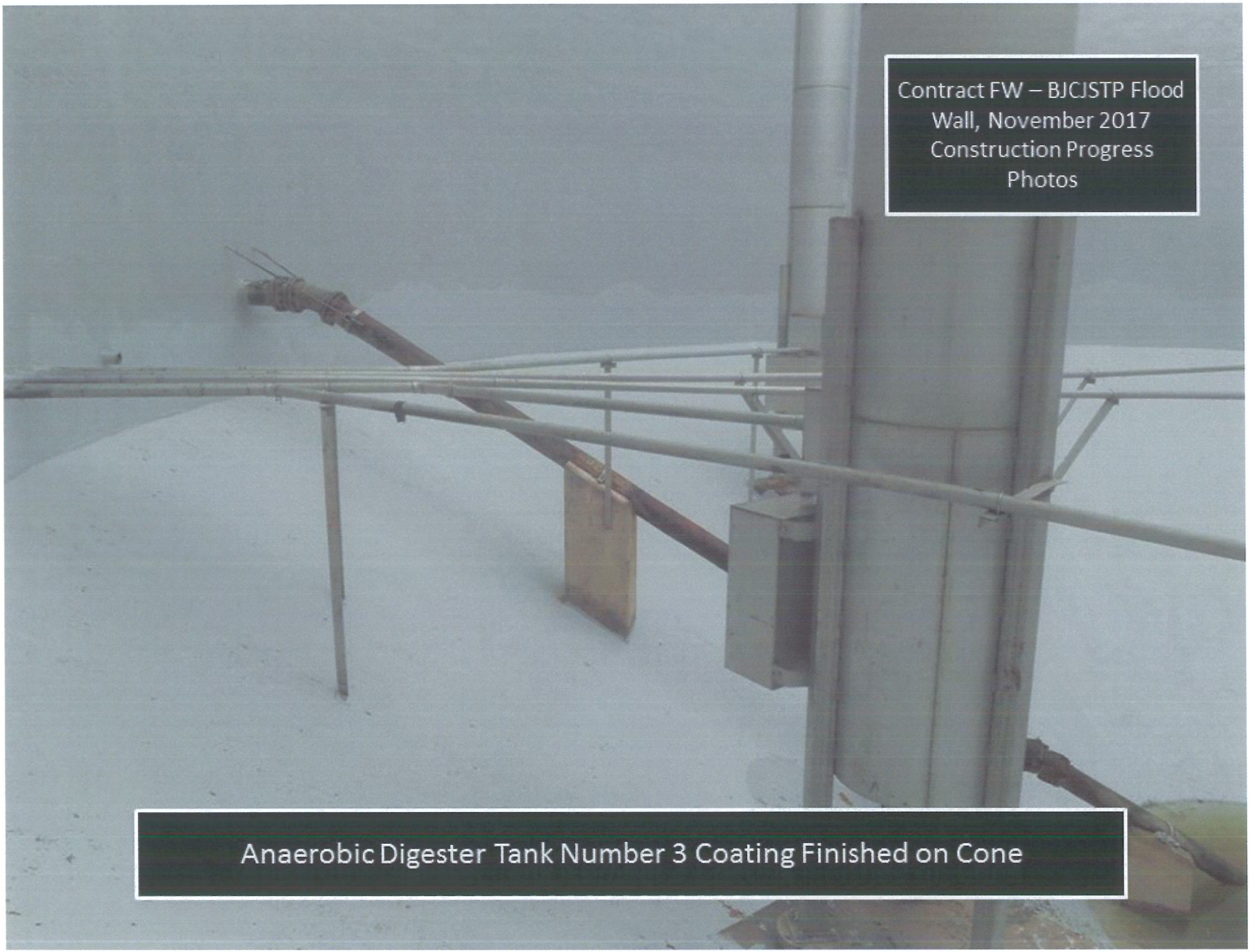

Contract 6 – BJCJSTP Restoration and Rehabilitation, November 2017 Construction Progress Photos
Head House Conduit

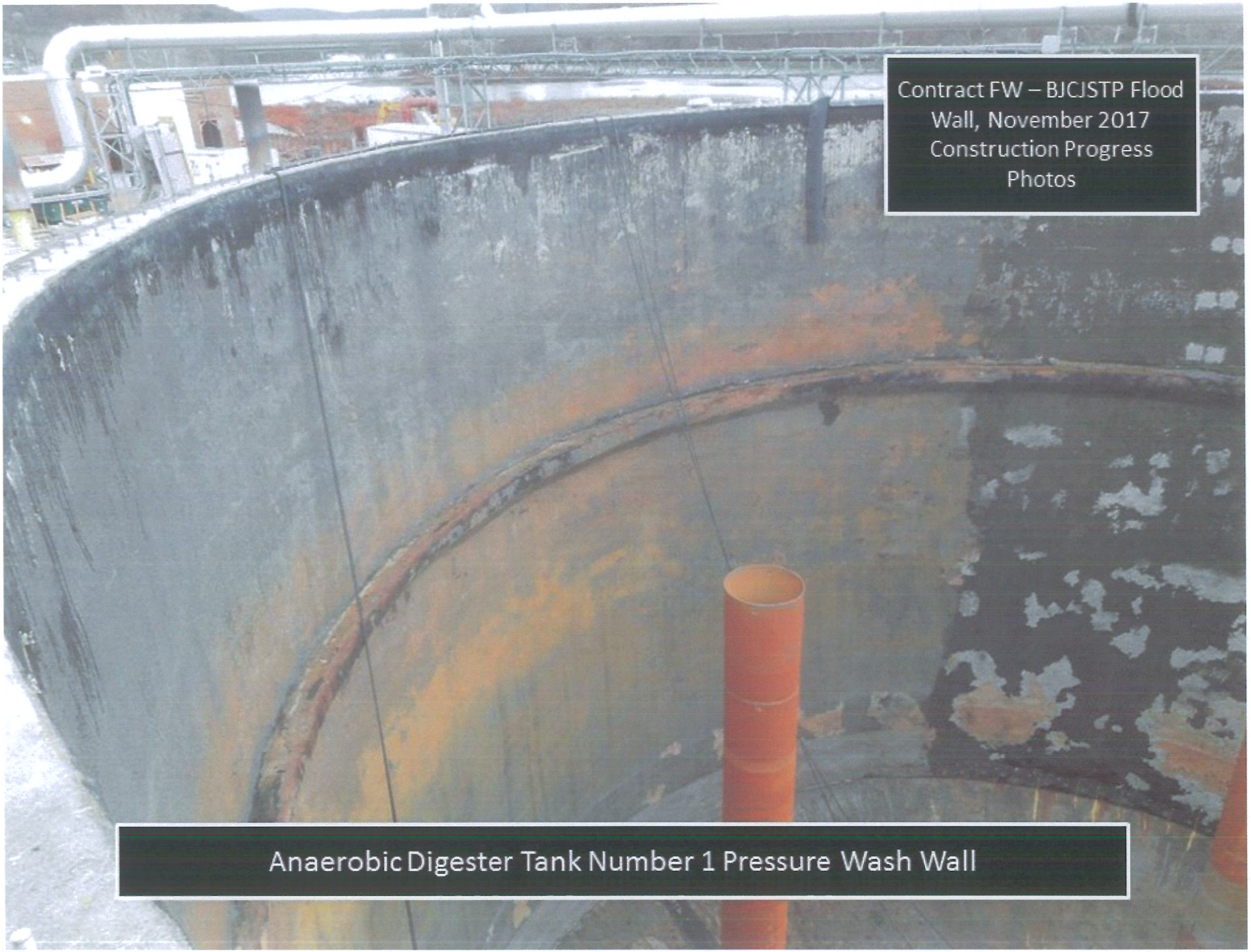

Contract 8 - BJCJSTP Restoration and Rehabilitation November 2017 Construction Progress Photos
Smith
Installation of Piping to Equipment in the Administration Bldg.'s Boiler Room


Contract 10 - BJCJSTP Restoration and Rehabilitation November 2017 Construction Progress Photos
Gas Conditioning Room Rebar and Form Installation


Contract 10 - BJCJSTP Restoration and Rehabilitation November 2017 Construction Progress Photos
Solids Handling Excavation Backfilled Ready for Rebar and Forms


Contract 10 - BJCJSTP Restoration and Rehabilitation November 2017 Construction Progress Photos
Digested Holding Tank Rebar Installation


Contract FW – BJCJSTP Flood Wall, November 2017 Construction Progress Photos
Anaerobic Digester Tank Number 3 Coating Finished on Cone


Contract FW – BJCJSTP Flood Wall, November 2017 Construction Progress Photos
Anaerobic Digester Tank Number 1 Pressure Wash Wall


Contract FW – BJCJSTP Flood Wall, November 2017 Construction Progress Photos
Flood Wall Lower Key Section 4 Concrete Placement