January 2019 Monthly Report

BJCJSTP Rehabilitation and Restoration Project

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	Complete
Contract No. 3	BAF Facility Demolition	Complete
Contract No. 4	MCC HH Emergency Replacement	Complete
Contract No. 5	BAF Restoration and Rehabilitation Civil Contract	Projected Phase 1 Substantial Completion August 31, 2019. Projected Phase 2 Substantial Completion January 2020.
Contract No. 6	BAF Electrical	Projected Phase 1 Substantial Completion August 31, 2019. Projected Phase 2 Substantial Completion January 2020.
Contract No. 7	BAF HVAC	Projected Phase 1 Substantial Completion August 31, 2019. Projected Phase 2 Substantial Completion January 2020.
Contract No. 8	BAF Plumbing	Projected Phase 1 Substantial Completion August 31, 2019. Projected Phase 2 Substantial Completion January 2020.
Contract No. 9	Secant Pile Contract	Complete
Contract No. 10	Solids Handling Renovation Civil Contract	Substantial Completion #1 – June 30, 2020; Substantial Completion #2 – June 30, 2020; Substantial Completion #3 – June 30, 2020; Final Completion - August 30, 2020.
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 January 2019.

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.

Contract Status: 100% Complete - Contract Closed

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), buildings, 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 No. 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.

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 CN-BAF 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: In January, PC only placed about 500 CY of concrete. Their progress was impacted by some days of inclement weather as well as insufficient manpower in the rebar installation crews. PC reported in December that they had approximately 2600 CY of structural concrete remaining for both Phase 1 and Phase 2. Their subcontractor was also reporting that they had approximately 2600 CY of structural concrete remaining before placing about 500 CY in January. PC's subcontractor was now reporting that they should be able to complete the concrete work for the CN Cells 1-8, DN Cells, by the middle of January 2019, but that projection is now looking like about the end of February 2019. While we are still skeptical, if PC will supply sufficient manpower to install the rebar ahead of the concrete crews, we believe that the end of February date is achievable. PC reported that they have about 2000 CY of concrete to place to complete all structural concrete.

PC completed leak testing grit trenches and tanks in the Headworks. They have about 150 CY of concrete to complete at Headworks and BAF Treatment Facility. Most of that concrete is the benching for the bottom of the grit channels. They still have not yet completed backfill around the Headworks. The backfill between the Headworks and Generator Building is making the installation of the power feeds and conduits to the Headworks difficult for Matco. PC is still working on the yard piping west and north of the Headworks Building, and did not complete the yard pipe installation work before the end of January, as PC had forecast. PC began installing the brick work

at the headworks in January, but are not scheduled to complete the brickwork until the end of February or early march. PC continues to provide insufficient manpower to complete the pipe work and masonry work at the Headworks. PC is still holding up Matco from installing the electrical feed to from the courtyard switchgear to the headworks. The underground ductbank west of the Headworks is now installed, and Matco is preparing to install the cables in the ductbank. PC has finally dried in all areas of the Headworks sufficiently, and Matco has a substantial work crew to install the conduit in the Headworks.

Brick work for the BAF Backwash Treatment Facility is now complete. PC finally installed the aerial supports south of the BAF Backwash Treatment Facility and the headworks. This will allow Matco to install the electrical feed from the courtyard gear to the BAF Treatment Facility and headworks. The sludge pipe in the basement of the BAF Treatment Facility is nearing completion, but it has been discovered that the plug valves were not properly installed. PC is rotating the plug valves to comply with the manufacturer's installation instructions. Stairs in the BAF Treatment Facility have been installed. PC has not properly protected the stair treads, and they will be required to replace any treads that have been damaged during construction.

PC is nearing completion of the Primary Influent Pipes to the PST's. PC completed installing the 54 inch primary influent pipe between Distribution Box #1 and #2, but they have not hydrostatically leak tested the pipe. They anticipate testing the pipe toward the end of February. This pipe had an impact to the ductbank activities for DB EX-01 that runs between the Generator Building and the West Primary Sludge Pump Station. This duct bank provides the power to operate PST 7-10, West Primary Sludge Pump Station, Methanol, and UV. Matco completed the ductbank installation in January. We are very concerned that the delays by PC may push the electrical feed to the west facilities to the critical path.

Work on CN Cells 1-8 is being advanced. PC completed concrete work on the upper walls for all cells. The only remaining concrete work for CN Cells 1-8 is the concrete walls for the drop boxes to each cell and repair or replacement of the defective installation of concrete for M Line in Cell No. 2. PC is nearing completion of the epoxy injection of the existing cracks in the existing walls in Cells 1, 2, 3, 5, 6, 7, and 8. They have passed the leak test for all cells in CN 1-7 with the only remaining cell to leak test being Cell 8. Cell 8 is leaking at the new wall that was installed by PC as part of Line H construction. GHD has provided details for repairing the new wall on M line at CN Cells 2. The wall has an excessive amount of imperfections in the concrete.

PC has completed the concrete work in the DN Cells, with the exception of the concrete walls above the nozzle decks. PC is planning to cast these walls in two placements that have been scheduled for the last two weeks of February. PC still needs to complete the east most wall of the DN area. Matco has stated that PC is delaying them from installing the conduit to the UV Structure that goes on the east wall. PC has also not installed the stanchions between the DN building and UV building. These stanchions are required to allow Matco to install the power to UV. Without either power source, startup of the UV cannot begin.

PC continued installing stainless steel air pipe and backwash drain pipe in the CN 1-8 gallery and DN gallery this month. PC also continued installing stainless steel pipe in the Blower Building,

Headworks, and BAF Treatment Facility. PC's subcontractor has reported that they should now finish the concrete work for the CN Cells 1-8 by the end of February, 2019.

CN Cells 9-14 walls are also being advanced. PC is nearing completion of the concrete work for the concrete decks over the gallery at CN 9-14. The only remaining section is the concrete deck for the north-south utility corridor. PC has not placed the concrete for the corridor between CN Cell 8 and CN Cells 9-14, despite our repeated notices that they are delaying Matco's work in the CN Cells 1-8 until they complete this utility corridor. PC continued working on the backwash header in the CN Cells 9-14. PC is nearing completion of the cells on the south side of the structure and has completed all of the benching in the lower level of the cells. PC has completed forming the beams for nozzle decks in CN Cells 9-14. PC's subcontractor is now reporting that they should complete the concrete work for CN Cells 9-14 by the end of March. We remain skeptical.

PC roof is complete on the DN Blower Building. This has opened up a significant amount of work in the DN area for the other multi-primes. Mechanical and electrical trades are working in the DN Gallery and in the DN buildings above the gallery. PC continued installing the stainless steel pipe and are complete on the concrete for the plenum boxes. PC's subcontractor is now projecting that they should finish the concrete work for DN Cells by the end of February. We remain skeptical. Electrical equipment such as the variable frequency drives have been installed, which has allowed Matco to put substantial resources in the gallery and building. They are installing the conduit in the gallery, and in the DN Blower Building.

No change to the Primary Setting Tanks 7-10 this month. They are nearly complete. The concrete coating applications are complete and PC still needs to repair some blemishes in the coatings. PC still has to do the leak test and also repair the expansion joints. There is a unit price item to replace the failed expansion joints. Matco has completed installing the ductbank EX-01 that provides the electrical feed to the area, and PC still needs to do the leak test and expansion joint repairs before we can do startup of the basins. It will likely be a couple of months before the Headworks is complete. We cannot take flow to the PST 7-10 until both the Headworks and SIPS is operational.

PC did not work on yard pipe this month. The pipe work for the 54-inch primary influent pipe between Distribution Box No. 1 and Distribution Box No. 2 is complete with the exception of the hydrostatic and leak test. The installation of the 54-inch pipe held up the duct bank that runs between the new Generator Building and the West Primary Sludge Pump Station. PC should continue installing miscellaneous yard piping in the area of the Headworks and also in the area adjacent to the floodwall on the south side of the site this month.

Construction of the new Chemical Building is nearing completion, but no significant activity has been done in this building for months. The building is ready for testing, which will be several months ahead of the need for the building. Work in the East Odor Control Building is nearing completion. All work by PC has been completed, and they are requesting a partial substantial completion for the building.

Brick work for the Blower Building is complete. Matco continued electrical work in the Blower Building this month. PC continued their process pipe installation for air and backwash pipe in the CN gallery this month. PC has completed the concrete work for the SIPS area, with the exception

of the benching within the SIPS wet well. PC still needs to erect the metal SIPS Pump Building. The roof has been installed on the Electrical Room, which has allowed Matco to begin work there.

PC continued working in the Methanol area this month with the installation of the stainless steel piping. It has been determined that PC did not provide stainless steel fittings for the methanol pipe that comply with the American Iron and Steel (AIS) requirements of the contract. We have notified them that the fittings are not covered under the de minimis material. PC has submitted a waiver request for the fittings in order to comply with the AIS provisions of the contract. They were advised by the EPA that PC provided insufficient information to allow the EPA to do their market analysis. Either PC needs to get a variance from the EPA and EFC, or remove and replace the fittings with AIS compliant fittings.

Matco has not made any significant progress on the new generators this month. Matco has completed the conduit work and has pulled the wire to various locations in the building. PC finally completed the masonry work on the west end of the Generator Building, but has not done the squaring up of the existing openings for the new louvers. This is extra work, and it has been authorized to be done on T&M. Startup of the generators cannot complete until the exhausts are complete and the louvers have been installed in the north wall of the Generator Building.

Kruger equipment submittals are complete. Much of the Kruger supplied equipment is being installed at Kruger's direction. Most of the preliminary Operations and Maintenance manuals as well as the startup and testing plan from Kruger are complete. PC requested a variance for leak testing the cells. Their request to be allowed to install the coatings in the lower level of the cells before the leak test is performed has been rejected by GHD. PC began cleaning the walls for testing and coating. PC has committed to a hard date of March 25, 2019 for delivery and installation of the filter media being provided by Kruger. Kruger has indicated if PC fails to meet the date that new media will have to be manufactured and that this could delay the filters by several months. PC's January construction schedule shows them missing that date by several months. PC is either flawed in their CPM schedule or they are not using the CPM Schedule to plan their work.

No significant change at the new Administration Building this month. The work on the upper floor of the Administration Building is complete. The final punch list and Fire Protection System testing is complete. Miscellaneous punch list items are being resolved by PC and the other trades on a regular basis. The HVAC system is now in the automatic mode. We continue to chase leaks in the existing concrete for the structure in the maintenance portion of the building. The leaks are being injected with epoxy when they can be located during rain events.

PC has not completed the storm drain installation near the Solids Handling Building. This prevented the parking lot for the Administration Building from being paved before winter. PC will not install the asphalt for the parking lot until next spring. The City decided to increase the width of the parking lot to meet Vestal Code. The parking lot will now be 60 feet wide from North to South. The asbestos containing material in the existing duct bank along the south edge of the parking lot has been abated. The material was removed via change order. PC is no longer making an effort to complete the parking lot before the asphalt plants shut down for the winter.

PC has completed the south flood wall and is in the process of completing the concrete placements at CN 9-14 to meet the Consent Order requirements for flood protection to elevation 845. In addition to the concrete work, Matco needs to complete the electrical power to storm water pump station 4. Storm water pump stations 1 and 2 are operational from a temporary generator if the need should arise.

Contract Status: 82% 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: Matco has completed the Courtyard switchgear installation, and has transferred the electrical feeds on the old courtyard switchgear to the new courtyard switchgear. They are in the process of removing the old courtyard switchgear. The temporary generator has been removed from the site. GHD has issued a revised drainage drawing to address issues with the drainage of the courtyard area as well as the area north of the Generator Building.

Installation of the major conduits and wire for the generators are complete. MATCO is nearing completion of the wiring between the generators, the ancillary gear, and the existing plant switchgear. They are projecting completing the new generators in February or March, due to PC not completing the restoration of the west wall of the Generator Building until December, and also PC not completing the change order work to square the openings for the new louvers on the north side of the building. Now that PC has completed backfill on the west end of the Generator Building, J&K can install footings for their generator exhaust systems, and Matco has completed installing the underground ductbank between the Courtyard gear and the West Primary Sludge Pump Station. This ductbank feeds the power to the PST 7-10, the West Primary Sludge Pump Station, the UV reactors, and the plant Water Pump Station. Matco is being delayed by PC in feeding power to all of these areas because of PC's failure to get their yard piping and backfill done in the area west of the Headworks. PC demanded that Matco wait to install their ductbank DB Ex1 until after they completed installing their buried pipe because the pipe was below the ductbank.

MATCO continued work in the West Primary Sludge Building, the East Odor Control Building, the CN 1-8 Gallery, DN Gallery, and the Methanol Building. Matco also continued installing conduits and equipment in both the upper level and the lower level of the Blower Building, Headworks, and the BAF Backwash Treatment Facility. PC has now allowed Matco access to begin running the conduit from the courtyard switchgear to the Headworks with the completion of the leak testing of the south grit channel. PC has installed the overhead supports for the ductbank, but they continue to provide insufficient access to the area for the headworks power conduits. PC has been notified weekly by Matco of this delay, so they have no real excuse for failing to allow Matco reasonable access.

We continue to look at options for the installation of the conduit and electrical equipment in other locations to advance the electrical work. This is important to meet the DEC Consent Order as well as to avoid overly congested work areas at the end of construction. We keep pushing PC to open up additional areas for MATCO work, most specifically the SIPS area and the utility corridor between CN Cells 1-8 and CN Cells 9-14. MATCO has been making good progress in the Methanol Building, Blower Building, West Primary Sludge Pump Station, BAF Backwash Treatment Facility, and the Headworks.

Matco needs to expedite the permanent electrical feeds to all three storm water pump stations. Pump Stations 1 and 2 are operational via emergency generators that Matco has promised to provide should the situation arise.

Contract Status: 84% 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: The contractor continued working on ductwork installation in various locations around the site. They are actively working in the Generator Building, SIPS, Headworks, BAF Treatment, West Primary Sludge Pump Station, DN, and UV. J&K has provided supporting information for the development of the CPM Schedule. They are coordinating with PC Construction and the other prime contractors.

Contract Status: 86% 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: Danforth is working in various buildings around the site such as the Headworks and BAF Backwash Treatment Facility. They are also preparing for their work in the CN Cells 1-8. They are also supporting the effort by the BJCJSTP to have the sludge pipe in the existing Digester Control 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.

Contract Status: 91% 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. Close out documents have been prepared and are being submitted to close out this project.

Contract Status: 100% Complete - Contract Closed

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 New York State Construction Contract Requirements.

Status: Brick work for the new Solids Handling Building is now complete. Concrete work for the Gas Conditioning Equipment Building was completed several months ago. Renovation for the Lab at the Headhouse is ongoing. Quandel has about one month to go on the lab renovation.

Quandel is actively installing the mechanical systems in the Solids Handling Building. They were not making any progress on the removal and recertification of the gas conditioning equipment, so we were forced to remove the work from their scope of work and the City is procuring the equipment on a sole source contract. They are alleging that they are not responsible for reconditioning the equipment. Quandel declined to quote a cost proposal to recoat the inside of digesters 1 & 2, which are the two smaller digesters. Quandel has dropped their dispute for furnishing of 7 flow meters that they allege were not included in the contract. Quandel continued installing the coatings inside the new sludge tanks under protest. We are working hard to get Quandel to complete the digester start-up, but it will not happen until the digester gas equipment and the digester mixing equipment is completed by the City in early 2019. Quandel is planning to begin installing the digester lids in February, with the intent to complete the installation of the three digester lids in March. Because PC has not completed the Headworks equipment installation, we may have a temporary installation issue with the lids that have to be addressed via alternate measures. Sludge cannot go to the digesters until the grit removal is complete and operational at the headworks.

Quandel continued to work in the Sludge Thickener Pump Stations and will be able to complete the sludge grinders in the Digester Complex in March, now that the sludge piping is cleaned. We also completed work on cleaning the Digester Gas Pipe in the Digester Building in December. A segment of buried digester gas pipe is leaking and will need to be repaired or replaced. We have asked GHD for their design. When we started the cleaning process for the digester gas pipe it was

discovered that the pipe between the flare and the Digester Control Building was full of water. This was likely from the 2011 flood. We developed and executed a plan to save the City in excess of $400K from the price quoted by the Contractors to do this work.

Contract Status: 87% Complete

Contract No. 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: The electrical contractor is MATCO, as it is on the BAF Contract No. 6. MATCO continues to support the General Civil Contractor's schedule. Matco is working throughout the site for the Solids handling Contract.

Contract Status: 50% Complete

Contract No. 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: The HVAC contractor is J&K Plumbing, as it is on the BAF Contract No. 7. J&K continues to install the boiler and associated piping in the Digester Control Building, and began installing the HVAC equipment in the Solids Handling Building. They are also supporting the General Civil Contractor's schedule.

Contract Status: 77% Complete

Contract No. 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: The plumbing contractor is JW Danforth, as it is on the BAF Contract No. 8. Danforth is making good progress installing the plumbing in the Solids Handling Building and also the Digester Control Building. Danforth continues to support the General Civil Contractor's schedule. Danforth finished supporting the cleaning of the Sludge and Digester Gas Piping in the Digester Control Building.

Contract Status: 84% 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: The concrete floodwall under Streeter's contract has been completed. Startup and testing of the two storm water pump stations is complete. The access platform for the valves at the two storm drain pump stations are complete. Streeter has completed installing the 54" gate in MH#3, and in the Sampling Structure. The only remaining function with the 54" gates would be leak testing the gates. We have discussed this issue with the contractor, the STP Staff, and the Design Engineer and we are not convinced that there is a practical option for testing the leakage. The Design Engineer stated in an answer to an RFI addressing the leakage of the gate that the intent of the leakage rate was intended for manufacturing only. They would like to know if the gate is leak tight in the installed position, but do not have a very practical plan to test the leakage.

Streeter has delayed any repair work of the coatings in Digesters #1 and #2, and we are not sure that we will be able coat the upper level of the 2 digesters before they have to be completed by Quandel. We are not convinced that the Owner has the funding available for recoating Digester No. 1 and No. 2. If funding is available, we will prepare a scope to recoat the two remaining digesters in 2019. These two digesters are not required to start up the BAF and other systems.

Contract Status: 97% Complete

NOTES:

1. SWPPP measures continue to be maintained by all contracts. Any deficiencies noted during daily or weekly inspections are promptly remedied. The City received a Notice of Violation from DEC for SWPPP issues. We have addressed all of the issues, including the paperwork that was not modified as required for the inclusion of Solids Handling. We are attempting to get the SWPPP closed out for Streeter, and will need to transfer responsibility for the SWPPP outside the floodwall to the new WQIP contractor.

2. The WWTP Staff issued a PO to Drain Brain to clean the existing Digester Gas Pipe and Sludge Pipe. We are nearing completion of this effort. The original quote from the Contractor was in excess of $450K for just the cleaning of both sets of lines. We anticipate the final cost being about $53.6K, and for the work to be complete by December 15, 2018.

3. The City has issued a purchase order to JDV to provide the Digester Mixing Equipment for $278,620. This equipment was in need of rehabilitation and replacement, but it was not included in any contract. The cost to rehabilitate equipment that can be rehabilitated and the cost to replace the other equipment, the quote of $572,915 we received from Quandel was excessively high, and it was

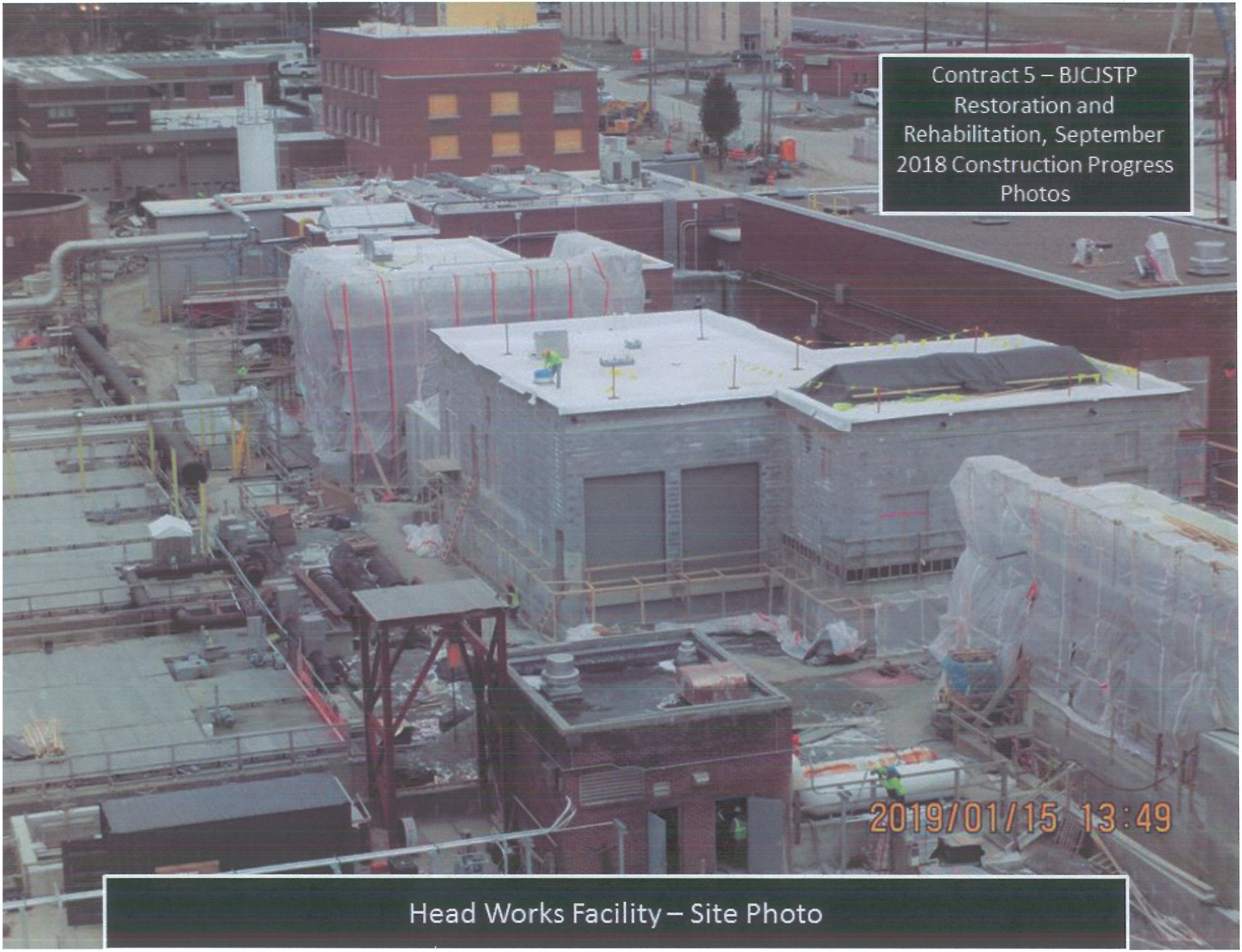
in the best interest of the City to purchase and rehabilitate the equipment separately. By performing this equipment purchase separately, we were also able to accelerate the delivery and installation of the equipment in advance of what Quandel was quoting.

4. The City has also issued an agreement with Koester to provide replacement equipment for the digester gas safety equipment and to include installation. The agreement was issued for $639,086, and Quandel's quote was for $1,110,668. We will be seeking some recovery from Quandel for some of the $639K for the portion of the work that is included in their scope of work.

5. We have prepared a letter to the City to request an extension of time for the FEMA covered work. All except about $200K of work covered under the FEMA grant will be completed before the end of the year. About $100K of that work is being moved from the Floodwall contract to the WQIP contract to allow the WQIP contractor better access to the work area in the river.

6. 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.

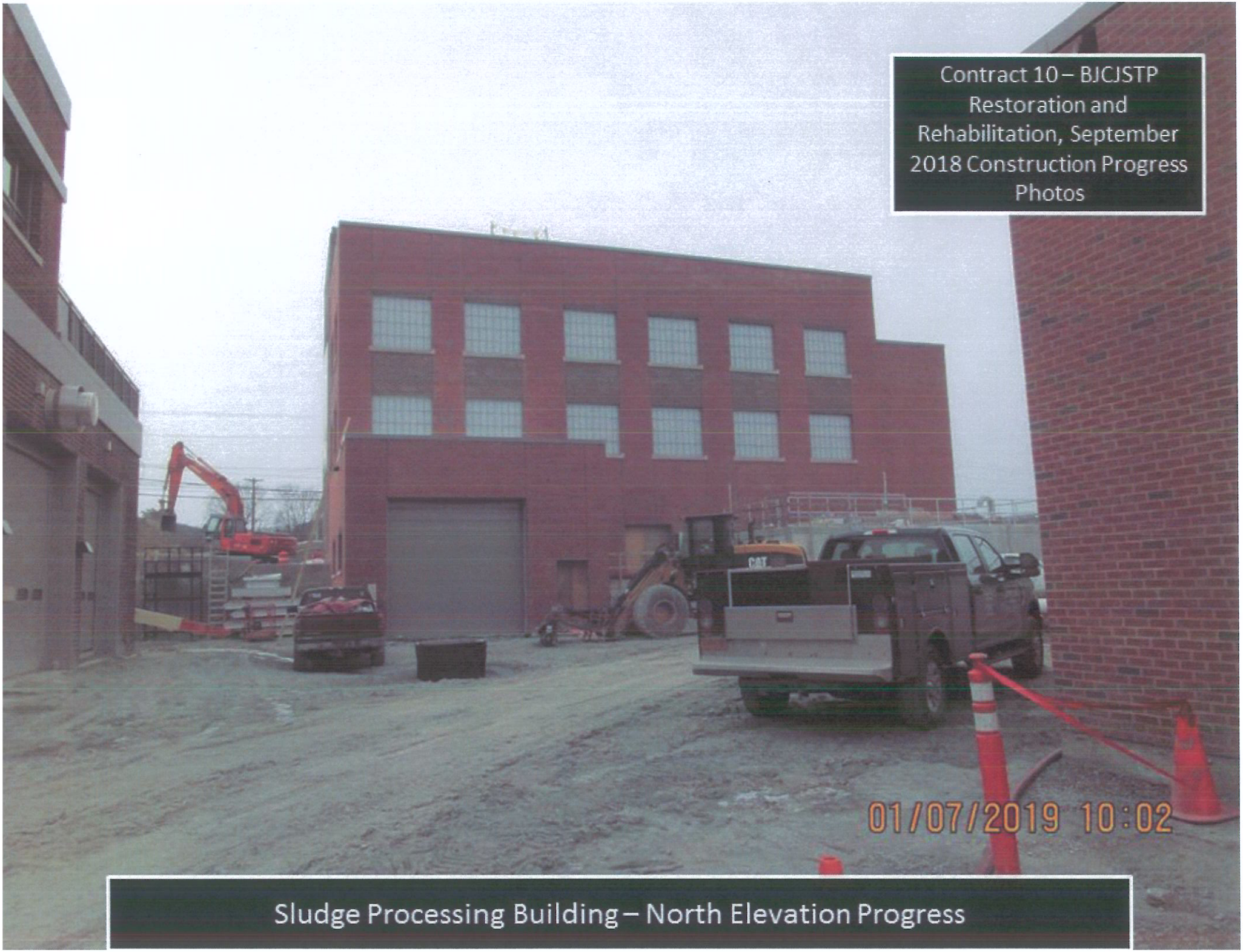

Contract 5 – BJCJSTP Restoration and Rehabilitation, September 2018 Construction Progress Photos
01 10 2019 14:27
Primary Distribution Box 1 – Gate Installation

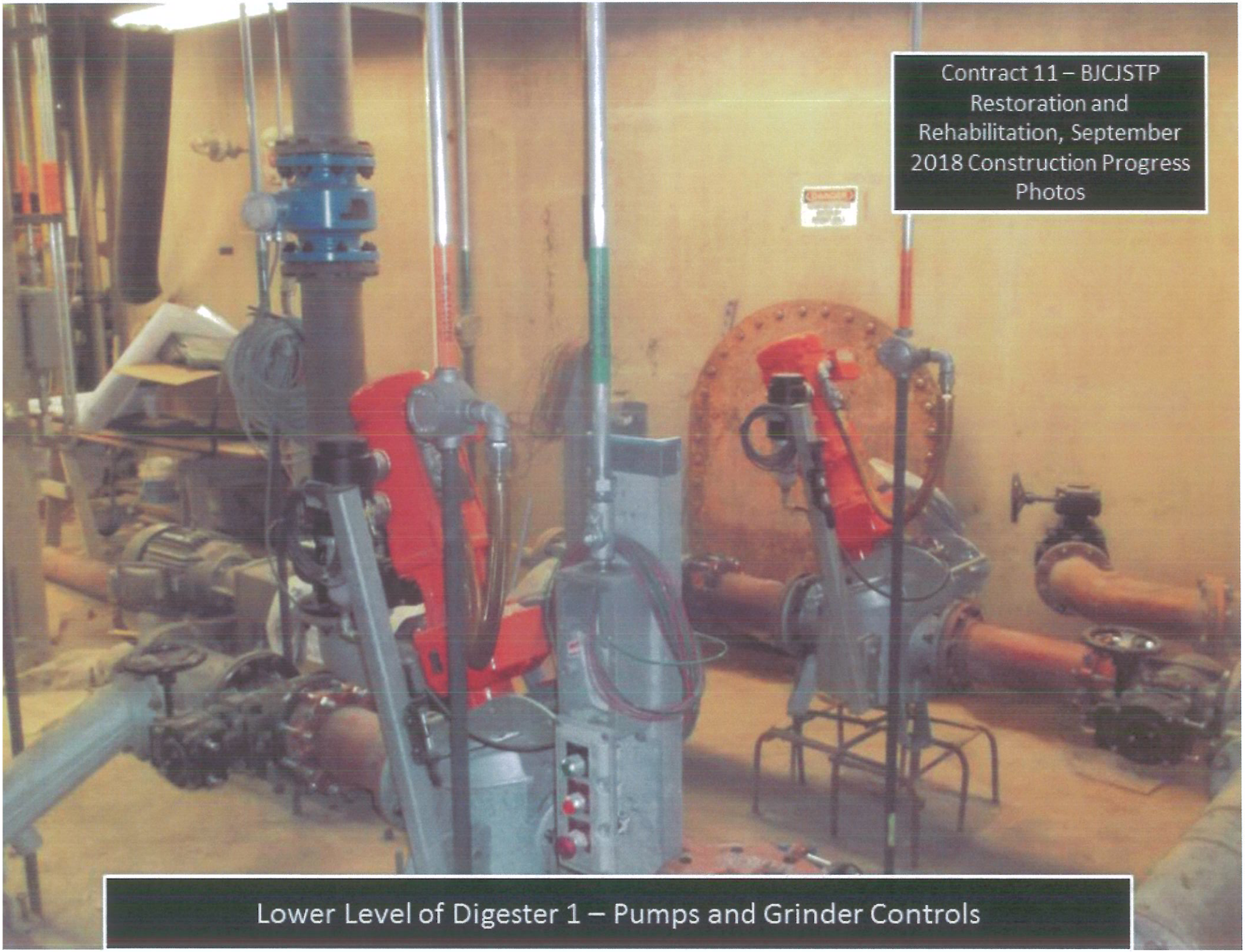


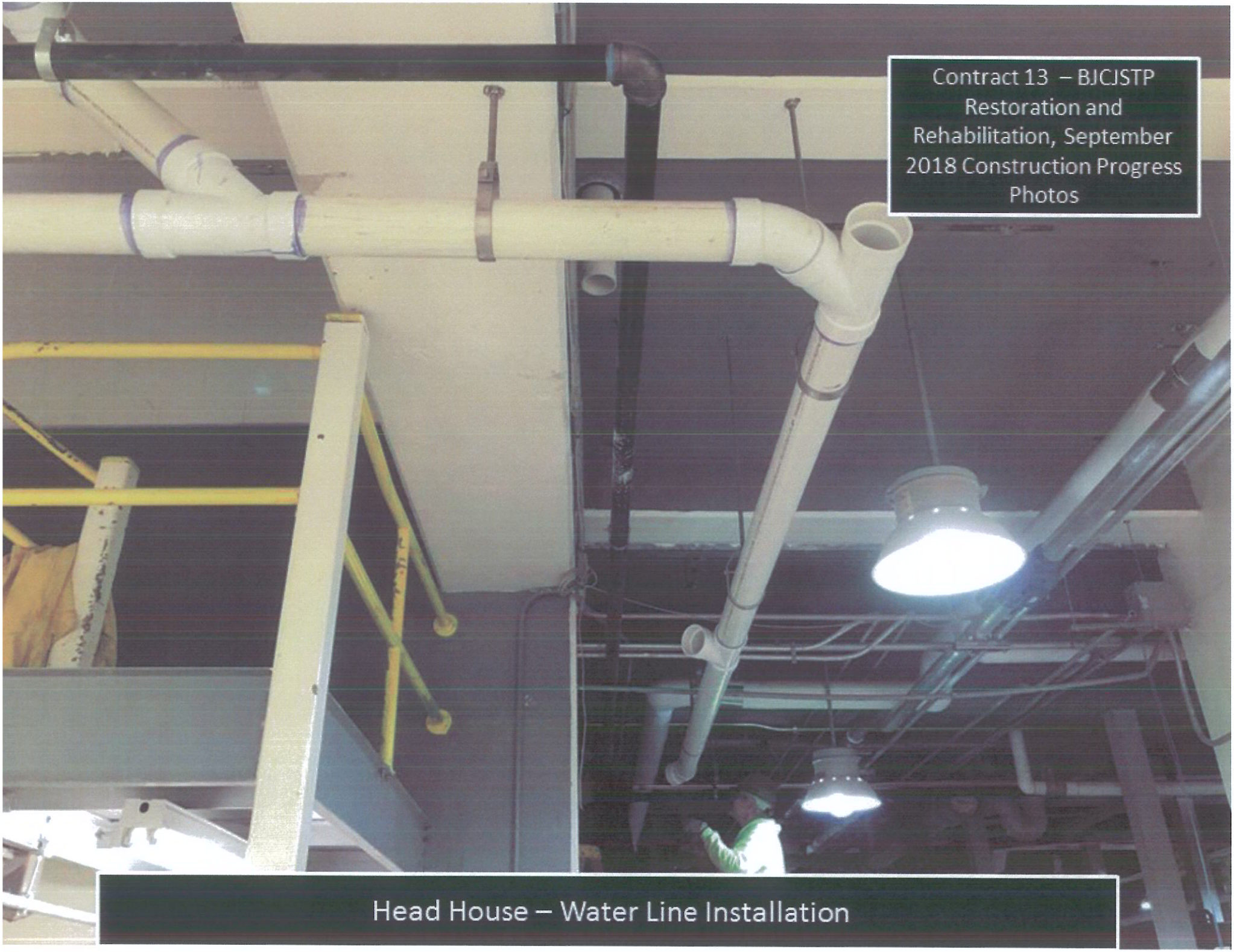
Head Works Facility – Site Photo


Contract 6 – BJCJSTP Restoration and Rehabilitation, September 2018 Construction Progress Photos
Duct Bank EX 1 – Type-C Concrete Placement


Contract 8 – BJCJSTP Restoration and Rehabilitation, September 2018 Construction Progress Photos
BAF Backwash Facility – Pipe Installation


Contract 10 – BJCJSTP Restoration and Rehabilitation, September 2018 Construction Progress Photos
01/07/2019 10:02
Sludge Processing Building – North Elevation Progress


Contract 11 – BJCJSTP Restoration and Rehabilitation, September 2018 Construction Progress Photos
Lower Level of Digester 1 – Pumps and Grinder Controls



Contract 13 – BJCJSTP Restoration and Rehabilitation, September 2018 Construction Progress Photos

Head House – Water Line Installation