

PUBLIC WORKS ASSEMBLY UPDATE
WORK COMPLETED AUGUST - SEPTEMBER 2015

Kettleson Memorial Library Expansion:

Milestones this period

- All structural design issues have been resolved and the required changes are being incorporated into the work.
- Mechanical, Plumbing and Electrical Rough-In complete.
- Structural Framing complete.
- Interior/Exterior wall framing complete.
- Roof Installation 95% complete.
- Window installation 60% complete.
- Exterior Finishes 75%.
- Insulation and Drywall 75% complete.
- Interior Paint 60% complete.
- Sidewalks Started.

Future Milestones

- Interior finishes to begin October 2015.
- Exterior site work to be complete October 2015.
- Construction is anticipated to be complete in late November 2015.

Background

The State funding of \$5.7 million awarded to CBS is a direct appropriation with no funding match requirements. A private donation of \$400,000 has also been given to the project by the John J. and Eleanor Brust Family and the City has committed \$200,000 in CPET funding and \$357,000 from the General Fund. The Friends of the Library have also raised almost \$90,000. \$350,000 of the budget was allocated to the Centennial Hall Parking Lot Project to relocate the Swan Lake storm drain, leaving a current project budget of approximately \$6.4 million for the expansion and renovation of the Library.

Harrigan Centennial Hall (HCH) Renewal:

Milestones This Period

- HCH Staff has relocated their office to the Sealing Cove Business Center, 601 Alice Loop Road (Alice Island), where they have two meeting rooms for the city meetings. Assembly Meetings are being held at UAS, where they will continue to be held during the construction of HCH.
- Building closure and Phase 2, NTP, Construction began August 1, 2015.
- Hazardous Materials Abatement is complete.
- Building demolition is roughly 98% complete.
- The existing (to remain) Auditorium area re-roof is 98% complete, water tight, and was installed under warranty with Representative on the roof directing and inspecting the Work.
- New structural concrete foundations are 98% complete.
- Interior areas to receive new concrete slabs are being back-filled and compacted for future slabs, which will be poured after the areas are roofed and dried in.
- Wall and roof framing on West and East areas is underway.

Future Milestones

- Framing and roofing to be complete by Spring 2016.
- Substantial completion anticipated on or before December 20, 2016.

Background

The current funding includes four State grants totaling \$11,500,000; a \$1,991,271 FY10 Legislative Grant designated for a lightering facility visitor's center (previously planned for under the O'Connell Bridge), \$1,180,000 FY 11 CPET Head Tax grant, \$1,400,000 Marine Passenger Funds, and a \$232,620 heat pump grant for a total project budget/funds of \$16.3 million.

Baranof Warm Springs Dock Replacement:

Milestones This Period

- Alaska Department of Transportation (ADOT) opened bids for the project on August 13, 2015. All bids submitted exceeded the available funding for the base bid. CBS Staff instructed ADOT to re-scope, reschedule and re-advertise to the project to fit within the available funds.

Future Milestones

- Re-bid project in Fall 2015.
- Construction completion Fall 2016.

Background

The City and Borough of Sitka (CBS) received a \$1,900,000 FY2013 Alaska Legislature Grant to reconstruct the Baranof Warm Springs Dock. The funding was provided with the understanding that CBS would assume ownership and maintenance responsibilities for the dock once it is reconstructed. The Assembly approved the Administrator to execute a Memorandum of Agreement with the Alaska Department of Transportation and Public Facilities (ADOT&PF) for completion of the Baranof Warm Springs Dock Reconstruction and Ownership Transfer. ADOT&PF will be reimbursed the cost of designing and constructing the improvements from the FY13 Legislative Grant.

Sitka Transient Float Replacement:

Milestones This Period

- Notice to Proceed was provided to Northern Construction Service (NCS).
- Submittal review ongoing.

Future Milestones

- NCS to arrive on site in mid to late October 2015 for work on drive-down float and Eliason Harbor Float 11.
- Substantial Completion required by March 15, 2016.

Background

CBS received a FY15 State of Alaska Municipal Harbor Facility Matching Grant, for the Sitka Transient Float Replacement Project, which will cover 50% of eligible construction costs not to exceed 2,700,000 in match funding. CBS has allocated a total of \$3,450,000 from the Harbor Enterprise Fund, ~\$198,000 from unspent ANB Harbor bond proceeds, and \$500,000 from the CBS Electric Fund for the project for a total budget of \$6,848,000.

Edgcumbe Drive Street Reconstruction:

Milestones This Period

- Public Works and design-builder hosted a construction progress public meeting on September 10, 2015. The next one is scheduled for October 8 at 7 p.m. at Keet Gooshi Heen.
- Design-builder completed the following work:
 - Completed removing existing pavement from the project corridor;
 - Completed installation of all curb and gutter except for what is required in the Kimsham roundabout; and
 - Began mainline (roadway) paving.

Future Milestones

- Complete mainline paving, October 2015.
- Complete multi-use-path paving, October 2015.
- Complete Kimsham roundabout, including all signing and striping, October 2015.
- Substantial completion date is October 20, 2015. This includes all “restoration” work required to adjust existing driveways to new sidewalk or multi-use path.

Background

The project includes drainage, sidewalk, curb and gutter, road subgrade and pavement improvements on Edgcumbe Drive from Peterson Street to Cascade Creek Road. The total project budget is \$5.46M. The Assembly approved award of a design-build contract to S&S for \$4,636,500 on May 27, 2014.

Airport Terminal Upgrades:

Milestones This Period

- The Transportation Security Administration (TSA) has prioritized a “Checked Baggage Explosives Detection System” (EDS) project at Sitka Rocky Gutierrez Airport, based on a grant application submitted in Fall 2014. TSA indicated funds might be available in “late October or early November 2015.”

Future Milestones

- Work with our design consultant, McCool Carlson Green (MCG) to provide information needed by TSA to finish processing application.
- Revise already-submitted application and send to TSA in mid-October 2015.
- If grant is awarded, amend planning contract with MCG to include design of TSA baggage screening improvements.

Background

The original project included design of improvements to the baggage makeup and TSA baggage screening areas, which will primarily be covered by a TSA grant. Funding collected from a previous PFC program amounts to \$275,000 and can be used to scope passenger-flow improvement options.

Hollywood & New Archangel Water, Sewer and Road Upgrades:

Milestones This Period

- Issued substantial completion certificate on September 18, 2015.

Future Milestones

- Install detectable tiles on either side of Hollywood Way raised concrete crosswalk, October 2015.
- Seed exposed topsoil in Fall 2016, when conditions allow.

Background

The project includes water, sewer, storm drain, pavement, curb and gutter and sidewalk improvements on Hollywood Way and New Archangel Street from Halibut Point Road to Marine Street. Funding is available from ADEC Loans (\$750,000), an ADEC Grant (\$552,300) and from the General Fund (\$232,000) for ADEC-ineligible expenses.

Lake Street Storm Drain Rehabilitation:

Milestones This Period

- Issued Request for Proposal for installation of Cured-In-Place Pipe (CIPP) liner.
- Hosted pre-bid conference on September 24, 2015.

Future Milestones

- Award contract for culvert rehabilitation, October 2015.
- Install CIPP liner prior to December 31, 2015.
- Depending on remaining budget, take advantage of CIPP contractor's presence in Sitka to address other failing storm water pipes.

Background

The project will repair a 42" culvert passing Arrowhead Creek under Lake Street, near 701 Lake Street. The culvert is corroding and is in danger of collapse. This project was budgeted in FY15 from the General Fund (\$299,000).

Ultra Violet (UV) Disinfection Facility:

Milestones This Period

- Facility is functional and operational.

Future Milestones

- Final Punch List items completed in October 2015.

Background

The Blue Lake drinking water system is a surface water system, which must comply with the EPA Enhanced Surface Water Treatment Rules (ESWTRs). The UV Disinfection Facility will provide the additional microbial and disinfection controls required under the ESWTRs. The current total project cost estimate is \$8,966,000. Funding for this project is provided by State of Alaska Department of Environmental Conservation (ADEC) loans and grants:

- \$4,000,000 FY 2011 ADEC Loan (Includes \$2,500,000 financed with \$1,500,000 subsidized)
 - \$2,550,000 FY 2012 ADEC Loan
 - \$3,500,000 FY 2012 ADEC Grant (30% local match requirement).
 - \$2,061,000 FY 2013 ADEC Grant (30% local match requirement).
- \$12,111,000 Total Project Funding

Eagle Way and Old Harbor Mountain Road Utility and Road Upgrades:

Milestones This Period

- 65% plans reviewed and comments provided to consultant.

Future Milestones

- 95% plan review October 2015.
- Final design of the project is expected in November 2015.
- Advertisement for bids late 2015/early 2016.
- Construction is anticipated summer 2016.

Background

Funding for the project consists of a \$1,500,000 2013 Commerce Community and Economic Development Grant. The project will include a minimum of 24-foot-wide paved road with possible pedestrian amenities and storm drainage and a new water main and services within Eagle Way. The project will also include a minimum of 24-foot wide paved road and storm drain improvements within Old Harbor Mountain Road.

Nelson Logging Road Upgrades:

Milestones This Period

- Bridge Survey Report

Future Milestones

- Final report October 2015.
- Meetings with Forest Service and State of Alaska Department of Natural Resources.
- Construction is anticipated summer 2017.

Background

This project includes upgrading Nelson Logging Road to include upgrading and/or replacing both inadequate bridges and the roadway to accommodate two-way traffic. The roadway is also to be moved toward the south and/or raised above the winter and spring flooding at the Starrigavan Creek estuary and eliminate sloughing off of the roadway into Starrigavan estuary. Funding for the project is provided by \$2,343,000 2013 Commerce Community and Economic Development Grant.

Monastery and Baranof Water and Sewer Project:

Milestones This Period

- Baranof Street approximately 95% complete.
- Monastery Street excavation and utility installation approximately 90% complete, curb and gutter 30% complete.

Future Milestones

- Complete Baranof Street and Monastery Street work October 2015.

Background

The project includes replacement of the water and wastewater systems, new pavement with curb and gutter, storm drain improvements and sidewalk on one side on Baranof Street.

Funding for the project is provided by the following sources:

- \$533,000 FY 2014 ADEC Sewer Loan
 - \$497,000 FY2014 ADEC Water Loan
 - \$763,000 FY 2015 ADEC Grant (30% local match requirement)
 - \$102,000 CBS Capital Improvement Monastery Street FY15
 - \$81,000 CBS Capital Improvement Baranof Street FY15
- \$1,976,000 Total Project Funding

Federal Land Access Program (FLAP) Grant: Phases 4&5:

Milestones This Period

- The construction crew has started on the Pherson Street access point and will continue with the trail to the BIHA property.
- As-built surveying has been completed for the Yaw Drive section through the BIHA and Mental Health Land Trust property.
- The step and run material on the old Gavan Hill portion of the trail was removed by a crew working with Sitka Trail Works.

Future Milestones

- Trailhead planning: bollards, trailhead signage, kiosks, and multiuse trail signage.
- The completion date is estimated around November 2015.

Background

The City and Borough of Sitka has been awarded a \$916,897 MAP-21 Federal Lands Access Program (FLAP) Grant for Phase 5 Cross Trail multimodal pathway (Cross TMP), Baranof Street and Yaw Drive connectors, by Western Federal Lands (WFL). The Assembly approved submission of the grant in Resolution 2013-03 in February 2013. Phase 4 of the project, a \$926,000 STIP Grant for a multimodal pathway reconstruction and re-routing from Yaw Drive to the CBS property was funded by the Department of Transportation in the 2009 STIP. DOT planners, with the concurrence of Western Federal Lands (WFL) and CBS, initiated action to combine the two projects as a single \$1.8 million grant and have the project managed by Western Federal Lands for greater efficiency and cost savings.

Federal Land Access Program (FLAP) Grant: Phase 6:

Milestones This Period

- Finalize and execute a reimbursable agreement with Western Federal Lands October 2015.

Future Milestones

- Hire a consulting company for planning, design, and complete environmental and permitting sometime in October 2015.
- The completion date is estimated around May 2016.

Background

The City and Borough of Sitka has been awarded a \$250,000 MAP-21 Federal Lands Access Program (FLAP) Grant for Phase 6 Cross Trail multimodal pathway (Cross TMP), connector from Kramer Drive to Alaska Marine Ferry Terminal, by Western Federal Lands (WFL). The Assembly approved submission of the grant in Resolution 2014-06 in April 2014. The Western Federal Lands Access Program application was submitted in April 2014, and then awarded on July 26, 2014. This is listed as a FY16 budgeted project with Western Federal Lands Access Program.

Solid Waste Management Plan:

Milestones This Period

- SWAC meeting was scheduled for September 30, 2015.
- The Municipal Solid Waste team has finalized the development of spreadsheets comparing CBS current rates to proposed rates.

Future Milestones

- Assembly contract award is projected around October 27, 2015.

Background

At the June 6, 2013 Assembly Meeting, the Assembly approved advertising for a Request of Qualifications.

July of 2014, the City and Borough of Sitka completed a Solid Waste Management Plan to address the current or future needs of the Solid Waste Fund and general operations. As we approach the end of the current collection and off-island disposal contracts in 2015, we believe it is in the best interest of the CBS to be better prepared with a plan that details the goals and direction of our solid waste management backed with data and a financial plan. The funding for a Solid Waste Management Plan will come from the working capital of the Solid Waste Fund which is approximately \$1.3 million.

April 17, 2015, RFP Submittals were due for Solid Waste Management Services. Two contractors submitted RFP's. Staff, along with the help of Chris Bell and Associates have prepared a packet for the Solid Waste Advisory Committee (SWAC) Group. Once the SWAC Group is ready to advise the Assembly the packet will be moved forward to the Assembly for their approval of a recommended contractor for the Solid Waste Services.

Jarvis Control and Crescent Harbor Shelter Re-roofing:

Milestones This Period

- Additional protection from water intrusion was needed at the Jarvis building entries. A setback variance was granted by the Planning Commission on August 11, 2015 to complete these shed roof canopies and thence complete the gable-end metal siding.
- Substantial completion of Jarvis Control Building September 10, 2015.
- Physical completion (completed punch list items on-site) for both roofs September 28, 2015.

Future Milestones

- Final completion- Warranties and closeout assurances to fulfill contractual obligations.

Background

The Crescent Harbor Shelter roof is the original from the 1985 construction of the Shelter and was failing. It was replaced with architectural shingles to match the roofs planned for Harrigan Centennial Hall and Kettleson Memorial Library. The Jarvis Substation Control Building currently has a flat (low slope) roof. It is leaking, under-insulated, and expensive to maintain, thus a shingled gable roof and added insulation are in this design to reduce annual operating and replacement costs. The Assembly awarded a Design-Build contract in the amount of \$185,500 to CBC Construction for completion of this project during the September 23, 2014 assembly meeting. Total project funding includes \$111,993 from the Harbor Fund and \$120,000 from the Electric Fund for a total approved budget of \$231,993.

Jeff Davis Street Water and Sewer Improvements:

Milestones This Period

- None, insufficient resources to move forward at this time.

Background

The project will replace approximately ~50-year old undersized water main with new, large diameter pipe within Jeff Davis Street. The project will also remove 3 residences on Jeff Davis from a section of failing 1930's vintage wood stave sewer and connect them to the

existing sewer main. Funding for the project is provided by the following sources; \$644,000 FY2015 ADEC Grant and \$812,000 FY2014 ADEC Water Loan.

Gary Paxton Industrial Park Dock:

Milestones this Period

- R&M Engineering – Ketchikan completed trip report on Hood River bridge pontoon inspection and preliminary coastal engineering floating dock assessment.

Future Milestones

- R&M complete feasibility study of floating dock to help determine direction of dock project.

The engineering of the project remains on hold while changes to the proposed use of the dock facility continue to be considered by the GPIIP Board of Directors and CBS staff. Possible changes to the original basis of design include (but are not limited to):

1) Constructing facilities that will be fully ready and able to accommodate a large (250 ton)

slings-type boat haul out device;

2) Design/construct whatever configuration is chosen, so that the facility can be easily expanded in the future to accommodate container ships of the sort used in other major Alaskan ports; and

3) Relocate the facility to the shallower waters at the head of the cove. CBS staff prepared concept sketches of several possible layouts or configurations to be considered under #3. Please note that Item #3 will exclude the possibility of Item #2.

Background

The project is funded by a designated Legislative Grant, administered by the State of Alaska, Dept. of Commerce, Community & Economic Development, Division of Community & Regional Affairs. The total amount of the grant is \$7.5 million. On the local level, the project is administered by Public Works and the Gary Paxton Industrial Park Director, Garry White. The firm of Moffatt & Nichol (M&N) has been awarded a contract to provide the design for the GPIIP Dock Project. R&M Engineering - Ketchikan has been hired to complete a floating dock feasibility study.

Seaplane Base:

Milestones This Period

- Assembly approval for application for FAA grant application for project environmental documents.
- FAA notified CBS that grant funding would not be available this year due in large part to FAA concerns over a decline in number of based aircraft.

Future Milestones

- Utilize remaining FAA grant funds to update Seaplane Base Siting Study to address FAA concerns (Winter 2015/Spring 2016).

Background

In August 2002, the Sitka Seaplane Base Master Plan was completed and includes a Condition & Needs Assessment and Master Plan Alternatives Report. The plan considered 12 alternative sites for a new seaplane base and found the north end of Japonksi Island, between the Coast Guard Base and the cove behind the SEARHC buildings on Seward

Avenue was the best alternative. In February 2009, the Assembly unanimously approved Resolution 2009-35 "Supporting the development of the Sitka Seaplane Base." This approved staff applying for and executing a Federal Aviation Administration Airport Improvement Program grant for up to \$500,000 to develop the siting plan, issues resolution, design, environmental, and permitting phases of the project. Utilizing proceeds from that grant, in June 2012, an updated Sitka Seaplane Base Siting Analysis was completed which considered a new site and redevelopment of the existing site in addition to the previously recommended Japonski site. The Japonski site was again selected as the preferred site. The findings of this study were presented to the Port and Harbors Commission on April 11, 2012 where they unanimously approved further study of the Japonski Island site. SEARHC has provided very encouraging feedback on the possibility of providing uplands access for a new municipal seaplane base.

South Kramer Debris Removal and Repair:

Milestones This Period

- Prepared bid documents to complete debris removal and road/ditch/utility repair for South Kramer slide.
- Coordinated with State of Alaska on scope of project.

Future Milestones

- Request Assembly approval to award contract at October 27 meeting.
- Substantial Completion required by December 31, 2015.

Background

The Assembly passed Ordinance 15-44 on August 21, 2015 which declared a local government disaster declaration as a result of the slides of August 18, 2015, authorized the expenditure of local emergency funds, and requested that the Governor declare a Disaster Emergency to exist as described in AS 26.23 and provide State assistance to the CBS. Governor Walker authorized up to \$1,000,000 from State Disaster Relief Funds to assist with the cleanup and recovery. These funds can be utilized to remove the debris from the right-of-way and restore municipal infrastructure to its pre-disaster condition.

Water updates for August

Water operators responded to four customer water leak calls. Four city side water leaks were confirmed in the water distribution system. Water operators are assessing these leaks and a priority list and a repair and replacement plan is being developed.

Water operators continue to perform locates for Chatham Electric along HPR. Inspection of the Baranof, Monastery and Edgumbe projects are performed on a daily basis.

The third quarter disinfection by product samples were completed and results are within allowable limits. Sampling for the Blue Lake Dam Project is also underway.

One of the reactor's at the new UV facility has been experiencing issues with the wipers getting stuck which ultimately has resulted in the plant shutting down. These wipers automatically clean the quartz sleeves that protect the UV lamp tubes. This reactor will need to be dismantled to determine the cause of the malfunction. A representative from Trojan (UV Manufacturer) will be in Sitka the week of August 24 to perform this work and train our staff.

Water operators responded to a number of calls with regards to the August 18 rain event and subsequent landslides. The one million gallon Whitcomb water tank was isolated at the booster station on Kramer. At the time the tank was isolated, it was believed to be just about full, however there has been no power to the tank so operators were unable to see the level via SCADA system. The water service in the area was uncovered and water crews were able to put on a valve to keep water from escaping and debris from getting in. The sewer service was also located and capped. Water operators have since learned the Whitcomb tank is empty and have determined that there are break(s) in the 16 inch line coming down from the tank.

Water and wastewater operators took advantage of the Whitcomb tank being empty to inspect and pressure wash the inside of the tank. The tank was installed in 2009 and the American Water Works Association recommends tank cleaning be performed every five years. There was a thin layer of silt across the bottom. The paint has bubbled in a couple spots along the side of the tank and there were a few areas of rust but all in all the tank appears in good order.

Wastewater updates for August

Staff participated in an American Water Works webinar titled “Optimizing Collection Systems”. Informational webinars are informative and provide operators with Continuing Education Units needed to maintain operator licenses.

Wastewater maintenance staff cleaned nine air release valves in the wastewater collection system. Air release valves continually release air to protect against surges in the system. Wastewater operations staff provided traffic control while maintenance was performed.

A traffic control plan was developed for the CCTV inspection of the sewer main extending from the round-about to Jeff Davis St. to gather condition information in preparation for the future DOT reconstruction project.

A grit hopper was designed and put into use at the wastewater plant. The walls in the clarifier building were pressure washed.

To assist with the construction project, dye testing was performed on Monastery St. to determine which house a sewer service was connected.

Sewer service inspections were performed on Kramer Ave and the library.

Wastewater operators are working with the electric department to check the integrity of the oil containment line and valve at the Jarvis St. substation. Pressure testing on the line is scheduled to be performed on August 25. Dye testing was performed on the storm drain in order to determine the rate of flow from the containment area to the outfall. Wastewater staff coordinated with public works and the electric department to get booms and spill pads placed in the storm drains along Sawmill Creek Rd.

Wastewater operators responded to high level alarms at numerous lift stations during the rain event on August 18. No significant issues were encountered in the wastewater collection system.

Water updates for September

Water operators responded to three customer water leak calls. All three calls turned out to be groundwater. Previously identified customer side water leaks were repaired on Monastery, O'Cain, and Shelikof. Two city side water leaks were repaired on Eberhardt and Verstovia Streets.

As time allows, water and wastewater staff have taken advantage of nice weather days to weed whack, pressure wash, and paint fire hydrants.

The water and wastewater divisions have performed many locates including locates for the Sitka Hotel and the potential Aspen Hotel location. Water staff have been inspecting the Monastery project on a daily basis.

Staff continue to work out the bugs with the UV facility. A rep from Trojan (UV Manufacturer) trained staff on how to dismantle the UV reactors. The sensors that control the UV light intensity were not functioning properly and needed to be sent back for repair. These repairs are covered under warranty.

The sanitary survey required by DEC every three years will be completed by Jim Clare in December. Jim has been doing our surveys for a number of years.

David Khan, an Engineer with DEC performed our annual Filtration Avoidance inspection. This inspection is required because we do not filter our drinking water. The inspection went well.

We have been experiencing elevated turbidity (cloudiness) since the August 18 rain event. Prior to the storm our turbidities were around 0.3 NTU (turbidity units) and since the storm the readings jumped significantly with a spike of 8.62 NTU on September 13, 2015. The drinking water rules require us to post a public notice when turbidity exceeds 5 NTU. Turbidity has no health effects, however it can interfere with disinfection and provide a medium for microbial growth. Our chlorine demand has not increased and the results of daily coliform testing have been well below the regulatory limits. Our disinfection has not been adversely effected. The turbidity levels have been slowly declining. Staff have spent a significant amount of time investigating the cause of the elevated turbidities. They have worked closely with the hydro staff in order to perform sampling throughout the lake and at the intake. We are still gathering data, but we believe disturbed glacial silt from the extreme rain events is the cause of the elevated turbidities. Glacial silt is very fine and can take long periods of time to settle.

The Kramer slide caused a significant voltage spike at our Whitcomb Heights pump station causing the coils in the variable frequency drives (controls motor speed and torque) to burn up. The coils were replaced on September 29, 2015.

Wastewater updates for September

A traffic plan was developed for camera inspection work at 1614 SMC.

As utility projects near completion, water and wastewater staff perform an inspection to ensure that the utility work complies with our standards. Valves need to be located, opened and closed, then camera work is done on sewers to ensure they are properly constructed, flowing and free of debris. Manholes are checked for integrity and leaks. Water and wastewater staff performed these inspections on New Archangel, Hollywood, and Baranof streets.

Storm water sampling was performed at the Granite Creek Pit run site. These samples are required on a quarterly basis per DEC permit.

Wastewater maintenance staff replaced the impeller on a pump at the landfill lift station. The transducer (level indicator), and check valves at the Brady St. Lift station failed and were replaced.

The wastewater sump pump project that began in July was completed in September. This was an extensive project that was completed in phases to allow for continued operation. The sump pumps were original to the plant and parts were no longer available. Maintenance staff needed to replace the pumps, and the associated valves, piping and wiring.

Annual maintenance on the wastewater sludge pump check valves was performed.