

***PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY
BOARD OF DIRECTORS MEETING
August 5, 2020***

**ROUTINE STATUS REPORTS
ITEM 5**

Filter Covers Project

Project Status Report

Project: Filter Covers Project
Date: August 5, 2020
Prepared by: Chris Rogers, Project Manager

Project Description

The Filter Covers Project was awarded to Garney Companies, Inc. of Winter Garden, FL at the July 31, 2019 Authority Board Meeting for an amount not-to-exceed \$3,853,000. This project will result in the construction of approximately 18,300 ft² of screen enclosure with access doors to the enclosed spaces. The roof systems are designed to be impervious and the side screen panels removable. The Filter Covers Project includes the construction of aluminum covers atop portions of the chlorine contact basin and ammonia chambers. Selected electrical and communication feeds will be relocated. Exterior luminaries are updated with energy efficient LEDs and relocated to accommodate lighting the newly enclosed spaces. The plant grounding and lightning protection systems are also modified to accommodate the Work. The facilities affected are shown in the adjacent figure to the right. An artist's conceptual rendering of the filter cover structures is included on the following pages.



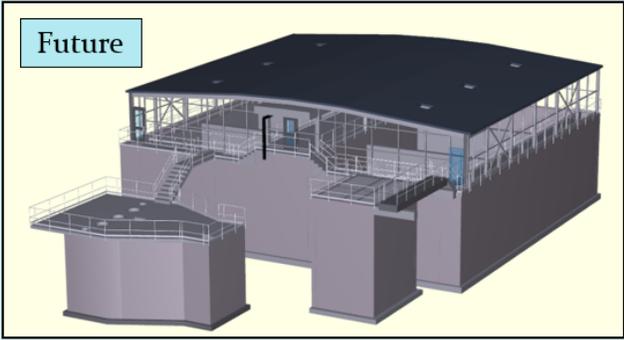
Current status

Authority staff and the engineer of record, TKW Consulting Engineers, Inc. (now Consor Engineers) conducted the initial project kickoff meeting on September 10, 2019 where various points-of-contact with each entity were established, a preliminary schedule was presented and a list of projected submittals was shared by the contractor. The project team discussed protocols for submittal processing, payment application processing and schedule development details.

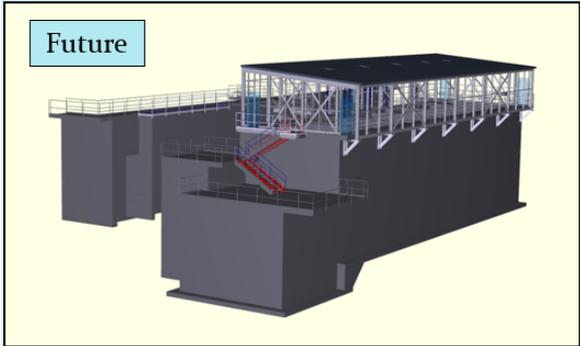
The team also discussed the need to minimize impact to operational facilities. There is major rehabilitation work ongoing at the Carlton WTP in Sarasota County over much of the next 2-year period and so it is incumbent upon the project team to devise a sequence of work which avoids major impact on the production capacity of the Peace River Facility. The Contractor agreed to further coordination meetings to refine their tentative schedule and provide greater detail to illuminate which systems and subsystems across the facility would be out-of-service related to that plan.

Artist's Conceptual Renderings

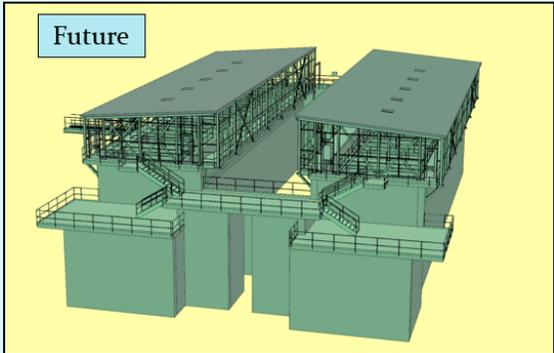
Plant 1



Plant 2



Plants 3 & 4



Project Photographs:

Plant 2 - Completed Structural Framing



Plant 2 – Installation of Roof Pans



Plant 3 – Outer Wall Column Support Brackets



Plant 4 – Completed Outer Wall Framing



Project Photographs Continued:

Plant 1 - Completed Structural Framing



Plant 1 - Installation of Roof Pans



Plant 2 – Vertical Wall Mounting Bracket



Plant 2 – Installation of Wall Brackets



Project Photographs Continued:

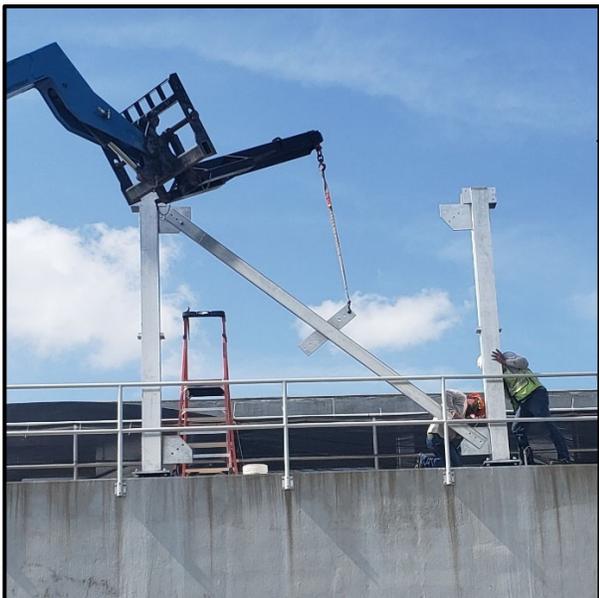
Removable Mock-Up Screen Panel



Temporary Protective Cloth Over Filter Basin



Plant 1 - Vertical Structural Members Installation



Plant 1 - Vertical Structural Wall Completed



History Briefing

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The following information summarizes the historical milestones and events of the Filter Covers Project.

July 25, 2018	Authority Board of Directors authorizes bidding of Filter Covers Project with guidance that bids should be made valid for at least 180 days to insure there is adequate time to explore project funding alternatives.
February 5, 2019	Invitation to Bid is Advertised
March 21, 2019	Bid Opening
March 26, 2019	Engineer/Architect of Record Bid Evaluation and Recommendation of Award
July 9, 2019	Authority staff publishes Notice of Intended Decision
July 31, 2019	Authority Board of Directors awards contract for \$3,853,000 to Garney Companies, Inc. of Winter Garden, FL. Contract for Engineering Services NTE \$275,339 during construction awarded to TKW Engineering.
September 10, 2019	Project Kickoff Meeting was conducted at the WQTF training room. Attendees included Authority staff, TKW Engineering and Garney Companies, Inc.
October 4, 2019	Notice to Proceed was issued to Garney Companies, Inc.
November 6, 2019	Garney delivered and set-up their construction trailer and toolboxes. For the remainder of the period, the project team had several meetings to discuss the project schedule, review submittals, and coordinate specific outages.
December 2019	Project team has continued weekly coordination meetings to minimize plant downtime and outages. Demolition work is complete except for electrical modifications related to lighting which will be addressed on each plant prior to installation of the aluminum columns and beams.

January 2020 Project team has continued with coordination and planning meetings. The project team continued to review submittals and discuss the mockup panels. Team considered modifications to the F-panels to eliminate screening in favor of a solid panel.

February 2020 Continued with coordination and planning meetings. Installation of temporary protection for Plant 1 filter basins was completed and accepted by the Project team. Contractor completed installation of structural anchors on Plant 1.

March 2020 Project team has continued weekly coordination and planning meetings. Contractor has completed vertical wall construction on Plant 1 and has begun ground fabrication and installation on roof beams. Demolition of Plant 2 lighting has been completed and temporary lighting is in place.

April 2020 The Covid-19 virus quarantine restrictions have not impacted dispersed out-of-doors construction, especially for utility facilities which are considered essential services. So, the project has remained on schedule. The project team adapted to conducting remote meetings via technology platforms and, when necessary to conduct meetings onsite the wearing of PPE and maintaining social distancing was observed. Vertical construction continued at the Plant 1 superstructure and roof panels began to be installed. Fabrication work continued on the screen panels.

May 2020 Again, the ongoing Covid-19 impacts have been minimal to this project. Work continued to complete the roof panels on the Plant 1 superstructure and framing work on Plant 2 commenced. The project team successfully coordinated with Operations staff to avoid any lengthy shutdowns.

June 2020 Covid-19 impacts continue to be minimal. Work was completed on Plant 1 superstructure and the temporary protection of filters was removed. Framing of Plant 2 is complete, and the roof panel installation is well underway. The project team coordinated with Operations for a brief shutdown on Plants 3 and 4 needed to reroute high pressure air lines which were obstructing the placement of the column brackets.

July 2020 Temporary filter protection was removed from Plant 2 and the Punch Lists for Plant 1 and for Plant 2 are being developed for Authority staff review. Aluminum installation work has commenced on Plants 3 and 4. The outer wall brackets are in place in both plants 3 and 4 and vertical wall framing is underway on Plant 4. Again, the Covid-19 impacts continue to be minimal to this project.