WEEKLY REPORT #31

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Date: Week of February 13, 2017
Job #: 00452023
Project: Savanna WWTF, Main & Bowen Street Lift Stations
Location: Savanna, Illinois
Contractor: Williams Bros. Construction, Inc.
Owner: City of Savanna
On Site Representative: Scott Duckett, Field Engineer – MSA

TO: Mr. John Lindeman
City of Savanna
333 Main Street
Savanna, IL 61078

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Work Completed:

Monday

- Williams Bros. on site today, first removing the insulated blankets and steel wall forms from the north foundation wall area of Structure #20 (Headwork's building). Placing and compacting FA-3 fine granular backfill at the interior portion of Structure #20 and against the south Grit Chamber wall areas as well today.
- G.A. Rich on site today to continue the installation of the twin 4" DIP sanitary sewer effluent piping towards Structure #10 (Influent structure). Began the installation of the 8" perimeter drain tile at the SW corner of the site working to the north. Met with CP railroad personnel to locate their underground utilities located along the south portion of the site.
- I.R.S. on site today continuing to install the top mat portion of the horizontal steel reinforcement at the base slab area of the Aero-Mod tank.

Overall view of the base slab steel reinforcement with vertical dowel bars in place

View of the completed north foundation walls at (Structure #20) Headwork's building.

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Tuesday

- Williams Bros. on site first patching form tie holes at Structure #20, and off-loading piping used for de-watering no longer in use. Began to form the lower base slab area at the Headwork's Room portion of Structure #20 this afternoon.
- G.A Rich continued to install the 8" perimeter drain tile along the west to north areas of the site. Installed the riser potion of the drain tile at the NW corner area near the Aero-Mod tank. I met with Fischer and G.A. Rich regarding installation of the Oak Street force main and the required tie-ins to the site piping.
- I.R.S. began to install the vertical steel dowels at the base slab steel reinforcement area of the Aero-Mod tank. Also installed the steel reinforcement at the slab footing area of the UV Channel located at the north area of the Aero-Mod tank.
- Williams Bros. continued installing wood forms at the lower base slab area located within the Headwork's Room, and the slab footing area located at the UV Channel this afternoon.

Wednesday

- Williams Bros. on site placing and compacting FA-3 granular backfill at the areas north, east and west of the Grit Chamber structure. Final prepped wood forms at the slab footing within the UV Channel area of the Aero-Mod tank. The footing was poured into place mid-morning.
- G.A Rich began to excavate for the valve vault at the Bowen Street lift station site. Williams Bros. began to install insulated foam board at the interior foundation wall perimeter of Structure #20.
- I.R.S. continued to install and tie into place, the steel reinforcement vertical dowels at the base slab area of the Aero-Mod tank.
- G.A. Rich placed the aggregate bedding and set the pre-cast valve vault structure into place. Once this was completed they excavated for the pre-cast meter pit structure and set that into place late afternoon. I advised to secure, and possibly backfill this area temporarily by the end of this week.

Thursday

- Williams Bros. on site final prepping forms at the lower slab portion at the channel area of the Headwork's Room within Structure #20. This was poured into place mid-morning. Resumed placing foam insulation board at the interior foundation wall areas of Structure #20. And backfilling and compacting this area with FA-3 fine granular backfill. Placing water-stop at the base slab reinforcement wall line areas at the Aero-Mod tank this afternoon.
- G.A. Rich on site today installing the twin 4" DIP sanitary influent piping and fittings into Structure #10. Completed installing the 2" HDPE water service thru the west foundation wall sleeve and into the inner wall portion of Structure #20.

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- I.R.S finalizing the steel reinforcement placement at the base slab area of the Aero-Mod tank. Installing bar spacers and the remaining vertical dowels.

Pre-cast valve vault and meter pit structures in place along Bowen Street.

Concrete placement at the south center portion of the Aero-Mod base slab.

<u>Friday</u>

- Williams Bros. on site to begin concrete placement at the south center portion of the Aero-Mod tank base slab. Placement began at 7:00 a.m. after I performed initial concrete testing with no issues. Placement with pump truck continued throughout the morning into early afternoon. I performed several concrete tests without issue. Once pour was completed, final finishing was performed and the base slab was covered with plastic sheeting and blanketed. Williams Bros. were also placing foam insulation board and FA-3 fine granular backfill at the south inner perimeter area of Structure #20.
- G.A. Rich onsite to backfill the various open trench areas, and around the previously placed pre-cast structures along Bowen Street.

<u>Issues Encountered</u>:

- N/A

<u>Next Week's Schedule: (Tentative)</u>

- Install the 8" drain tile and storm sewer at the perimeter area north to east at the WWTF site.
- Begin installation of steel wall reinforcement at the Aero-Mod tank.
- Continue forming and placement of steel reinforcement at the slab areas located within the UV Channel area of the Aero-Mod tank. Pour these in place this week.

Photos: SEE ABOVE AND IN PROJECT FILE.

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WRITTEN BY:

MSA PROFESSIONAL SERVICES

Scott Duckett
Field Construction Engineer

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MSA- Co-Project Manager, Jared Fluhr P.E
MSA- Sr. Project Engineer, Clint Wienen P.E.
MSA- Sr. Project Manager, Jason Miller P.E.
CFPS- Sharon Pepin
City of Savanna- Sheryl Sipes
City of Savanna- Peg Haffey
PROJECT FILE: 00452023