

Task Orders

Heart of the Valley Metropolitan Sewerage District (HOVMSD)
Donohue Project Number 13649

Period | Feb 19 – March 25, 2023

Invoice 34

Status Report for Effluent Filtration Improvements Project

Activities This Period

- Attended monthly construction progress meeting for March.
- Closed Clean Water Fund Loan and Issued Pay Application 7.
- Reviewed Contractor submittals and answered Contractor questions.
- Prepared requests for proposals and work change directives.
- Sent completed RFP 006 for the Hauled-In Waste Tank rehabilitation to Contractor for review and cost proposal, waiting on response from Contractor.
- Provided on-site construction observation services.

Near-Term Activities

- Review contractor submittals and answer contractor questions.
- Prepare work change directives and responses to contractor claims.
- Review monthly pay application.
- Review updated pricing for RFP 006.
- Prepare RFP 007 for Asphalt Seal Coat and Pavement Markings
- Continue on-site construction observation services.

Outstanding Issues

- Continue organizing effort to manage contaminated soil found on-site in coordination with WDNR. The District has sent the completed Site Investigation Work Plan to the WDNR for review. No response back from WDNR, hopefully by the end of March, early April.
- Equipment/materials delivery service truck backed into existing parking area lightpole.

Construction Remarks

Site

- The contaminated soil for Structure 60, Room 123 (Filter Splitter Box), 42" SE lines has not been touched. This work will most likely restart late Spring or Summer 2023. When and if any contaminated soil is discovered it will be removed and transported to the Ridgeview RDF Landfill in Whitelaw, WI.
- The District is still waiting on a response from the WDNR review of the Site Investigation Work Plan.

Structure 60 (Solids Handling and Filtration Building)

- R-Industries completed the demolition of existing concrete in Structure 60 (Solids Handling and Filtration Building).
- Removal of concrete walkways and wall sections has been completed in Str 60 for the east bays of the old sand filters.
- CD Smith has completed the rebar and concrete work for the new basin separating walls, baffles and weir openings for the future rapid mix, coagulation and flocculation basins that will supply the new disc filters.
- CD Smith has completed the disc filter equipment pads and concrete pours in the new disc filter bay area.

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- All basin wall pipe cores have been completed in both the rapid mix/coag/floc basins as well as in the disc filter bay area. One HVAC opening has been cut for a future pipe gallery exhaust fan.
- Sargent Electric has continued the work around the disc filters, the new electrical room, pipe gallery and other areas with demolition of old conduit, rerouting of wiring and running new conduit. Sargent has been off site for the almost all of March.
- CD Smith has marked out the walls for the future locker room and lactation area.
- CD Smith is continuing on finish filling in form tie holes and rubbing walls for the CCT Transfer Box and the Filter Splitter Box.
- Formwork and rebar for the new rapid mix/coag/floc basin walkway complete, waiting for concrete. Basin guardrail curb formwork starting around the rapid mix/coag/floc area.
- August Winters continues on the planning of piping and HVAC work inside Str 60 all areas. They have completed the work on the 4" PSM piping in the tunnel, placing hangers and routing pipe. The 4" PSM line has been pressure tested. Work on the potable water lines from the new lockerroom/lactation area has started and has been tied into the water heater that supplies the area.
- August Winters has started the HVAC duct work for the new MAU in the old boiler room (B01). They have continued the ductwork into the new women's lockerroom, lactation room and lobby/hallway.
- CD Smith continues to work on a plan to remove the sludge and anthracite from the old Backwash Waste Well.
- R-Industries completed the concrete removal of old baffle/weir walls in the exterior chlorine contact chamber and splitter box.
- Hard Rock completed the coring the new pipe cores in the Disc Filter bays, as well as the 2 – 42" cores in the Filtration basin and Flocculation overflow area.
- Iron workers have started the placement of the Disc Filter monorails.

Structure 60, Room 122 (Filter Chemical Storage)

- CD Smith masons have completed the CMU walls for the Filter Chemical Storage room, as well as the parapet wall after the precast roof has been placed. The CMU parapet walls were grouted.
- The vapor and air barriers have been applied to the CMU and the masons have began the placement of the exterior brick along the west wall.
- CD Smith completed the placement of the precast roof planks for the structure.
- HVAC roof openings have been cut as well as the roof scupper and overflow openings.

Structure 60, Room 123 (Filter Splitter Box)

- Formwork for the walls both interior and exterior of Room 123 have been removed.
- CD Smith has continued with the grouting and filling the formtie holes in the walls of the new splitter box. The finish and rubbing work for the concrete walls is still in progress.

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Chemical Storage rooms first precast roof plank being placed



Interior of the chemical storage room with new roof planks set



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Grouting of CMU parapet walls, with a roof top view



Flocculation basin north weir wall concrete complete, waiting for weir plate, coating, basin walkway to be placed



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42" dia. Disc filter influent pipe section placed through pipe gallery wall



Disc Filter equipment pads completed (future filters #3 and #4) with effluent pipe sleeves



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Upper wall opening enlargement of Str 60 north wall completed to allow for the disc filters to enter and be placed



Demo of old door and installation of new doors with replacement block placed for the Women's lockerroom and lactation rooms



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Air barrier applied and insulation being placed prior to laying of brick on the north wall of Chemical Storage Room



Pressure test on new 4" PSM line that runs in Tunnel B



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CD Smith Masons working on placing the exterior brick on the west wall of the Chemical Storage Room



New precast plank roof for the Chemical Storage Room with overflow and scupper wall cuts and HVAC roof cuts



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August Winters working on the potable water piping in the Women's Locker Room



Iron workers installing the first disc filter equipment monorail for disc filter #1



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Formwork for the rapid mix/coag/floc basin handrail is in progress



Project Status Report

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Formwork and rebar set for the rapid mix/coag/floc basin walkway, ready for concrete pour.



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Parting shot.

A sign of Spring? First Robin seen onsite, beginning of March...



However, mother nature apparently wanted to make it rough on the Robins, because the next day 6 inches of snow... (yes it is the same location)

