

WILLMAR WASTEWATER TREATMENT PROJECT

January 2010 Progress Update

Wastewater Treatment Facility – Project 0812-C

Graham Construction has approximately completed the following:

- The Administration Building Structure 200 is mostly complete. Electrical, plumbing, HVAC, ceiling tile and the roof system are currently being installed.
- The Generator Building Structure 205 is mostly complete. Generators and switchgear are being wired.
- The Septage Receiving Station Structure 210 is basically complete.
- The Headworks Building Structure 220 is mostly complete; continuing the installation of the piping, screw pumps, HVAC, plumbing and electrical.



Administration Building from the Southeast

- The Municipal Selector Structure 234 is mostly complete.
- The Industrial Oxidation Ditch Structure 242 is mostly complete; continuing to install stairs and handrailing.
- The Municipal Oxidation Ditch Structure 244 is mostly complete; continuing to install stairs and handrailing.
- The Secondary Building Structure 250 is mostly complete; continuing to install process piping, electrical and HVAC.
- Most of the work is complete at Industrial Clarifier Structure 252. The dome is ready for installation.
- The Municipal Clarifier Structure 254 is mostly complete; continuing to assemble dome, one dome is installed.
- The Final Building Structure 265 is mostly complete; continuing to install HVAC, plumbing, process piping and electrical.
- The Basin Drain Pump Station Structure 268 is mostly complete. The pump and piping have not been installed.
- Bio-Solids Building #1 Structure 280 is being worked on.
- Work on curbs and davit cranes for Existing Bio-Solids Storage Tank #1 Structure 281 is complete.
- Bio-Solids Storage Tank #2 Structure 282 is mostly complete including underground piping and building; installing piping and pump.
- Biosolids Storage Tank #3 Structure 283 is mostly complete including underground piping and building; installing piping and pump.
- Biosolids Storage Tank #4 Structure 284 is mostly complete including underground piping, and building; installing piping and pump.
- 100 percent of the installation of underground process piping has been completed.
- 100 percent of the installation of underground duct bank has been completed; wiring is being pulled.
- 80 percent of onsite roadways have been completed with gravel base.



Aerial Site Photo Taken from North

Southern Interceptor – Project 0813-D3

S.R. Weidema has installed approximately 14,800 linear feet of 48-inch and 491 linear feet of 36-inch Interceptor piping and 27 Manholes. All piping installations are complete. S.R. Weidema is working on testing two remaining Interceptor lines, inspecting and repairing manholes. The majority of surface restoration work has been completed on 28th Avenue and 30th Avenue and work will resume after the spring thaw, including final asphalt lift on 28th Avenue SW.

Southern Interceptor, Forcemain and Outfall – Project 0814-D4

S.R. Weidema has completed the installation of all 54-inch and 48-inch Interceptor piping (approximately 14,300 feet), all Forcemain piping (approximately 14,300 feet), all Outfall piping (approximately 3,200 linear feet), Manholes (41) and one outfall headwall structure within the project limits. All infiltration testing of Interceptor piping and pressure testing of the Forcemain has been completed.

Forcemain and Gravity Sewer – Project 0815-D5

Voss Plumbing continues actively working to install the remaining fused 16-inch Forcemain pipe. They have successfully installed the fused 16-inch Forcemain pipe from the electrical power substation along 30th Street to the County Ditch 46 crossing located adjacent to the BNSF Railroad Alignment along County Road 15. This month Voss has installed approximately 1,780 feet of 16-inch Forcemain pipe and one cleanout Manhole Structure. Construction through the wetland areas has been completed. Productivity continues as weather permits, and the anticipated completion of piping operations is early February.



16" Forcemain Installation across Wetland and Installation of Cleanout Structure No. 187

Wastewater Pump Stations – Project 0816-D6

Di-Mar Construction is on task with the proposed schedule for the construction of the two pump stations. The schedule has been revised due to the belated delivery of the pumps to the first week of April. Due to recent warmer



Balasted Roof System with Walkway Pads

temperatures, the rubber membrane roofs, insulation and downspouts on the pump stations have been completed which has been extremely critical to maintain proposed work on the interior of the pump stations. Work consists of grinding, sanding, and cosmetic repairs to the cast-in-place concrete walls, and process piping installation. Anticipated tasks to be accomplished at the pump stations for the upcoming month will primarily consist of interior work of caulking, painting, and electrical work.