

# WILLMAR WASTEWATER TREATMENT PROJECT

## February 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 medium voltage switchgear is almost complete.
- 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, fine screens, HVAC, plumbing and electrical.
- 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 chemical piping, electrical and HVAC.
- Most of the work is complete at Industrial Clarifier Structure 252. The dome is set in place.
- The Municipal Clarifier Structure 254 is mostly complete; both domes are set in place.
- The Final Building Structure 265 is mostly complete; continuing to install HVAC, plumbing, process piping and electrical.



Chemical Room – Secondary Building  
Structure 250



Municipal Clarifier Structure 254

- 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.

### **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 Interceptor piping is installed and tested. As weather permits, S.R. Weidema is working on inspecting and repairing manholes in preparation for inspection by representatives of Donohue and the City. S.R. Weidema completed the majority of surface restoration work on 28<sup>th</sup> Avenue and 30<sup>th</sup> Avenue and will continue work after the spring thaw, including final asphalt lift on 28<sup>th</sup> 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. S.R. Weidema has finalized all infiltration testing of Interceptor piping and pressure testing of the Forcemain. As weather permits S.R. Weidema is inspecting and repairing manholes in preparation for inspection by representatives of Donohue and the City.

### **Forcemain and Gravity Sewer – Project 0815-D5**

Voss Plumbing has finished installing the remaining fused 16-inch Forcemain pipe. They have successfully installed the fused 16-inch Forcemain pipe from the electrical power substation along 30<sup>th</sup> Street to the County Ditch 46 crossing located adjacent to the BNSF Railroad alignment along County Road 15. This month, Voss has installed approximately 200 feet of 16-inch Forcemain pipe and one Air Release Structure and performed preliminary grading in preparation for spring restoration. Voss has demobilized all construction equipment for the remainder of the winter months. They anticipate testing the completed work and making the final connection of the 16-inch Forcemain pipe to the D4 project in mid-March.



Fusing 16" HDPE Forcemain along CR15

### **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 delay in delivery of the pumps to the first week of April. Due to warmer temperatures, the rubber membrane roofs, insulation and downspouts on the pump stations have been completed. This 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.



Epoxy Paint and HVAC Ducting –  
Pump Station 710