

Date: February 4, 2010

To: Mel Odens, Director of Public Works

Copy: Colleen Thompson, WWTF Superintendent
Holly Wilson, Assistant City Engineer
Michael Schmit, City Administrator
Steve Okins, Finance Director
File

From: **Rhonda Rae, Program Manager**

Prepared by: Rhonda Rae, Program Manager

Re: **January 2010 Monthly Report Summary**

These notes summarize the activities related to the Wastewater Treatment Plant Relocation and Conveyance System Improvements for the month of January 2010.

Summary of Activities **Program Management**

Prepared January 2010 Monthly Program Report and distributed to City Staff.

Met with City Staff regarding funding and finance issues. Worked with the City to submit Pay Request 3 to the Public Facilities Authority (PFA) for the new 30-year Clean Water Revolving Fund Loan and Wastewater Improvement Fund.

Worked with the City to submit Pay Request 4 to the Public Facilities Authority for American Recovery and Reinvestment Act (ARRA) and Clean Water Revolving Funds.

Updated the informational packet for the 111th Congress with Don Roecker. Continue to work with Don Roecker, Public Facilities Authority (PFA), Minnesota Pollution Control Agency (MPCA), City Staff and Donohue Staff for funding opportunities.

Held a meeting with City Staff on Project B – Decommissioning of the Existing WWTF. The meeting defined the next steps for Project B and the schedule for those steps.

Continued to work on with City staff on edits and updates to Chapter 16, Division 2 Connections of the Willmar Municipal Code.

Continued to work with City staff and JOTS staff on edits to the Industrial Wastewater Discharge Permit for Jennie-O Turkey Store.

Continued to work with City Planning Staff to provide information on the impact of construction on Wallace Janssen's property. The court has not set a new trial date; continue to try mediation at this point.

The court has not set a new trial date for the Kvam Property. Kennedy and Graven will try and set up mediation.

Continue to provide information on Groothuis property. Commissioners hearing scheduled for March 3, 2010.

Submitted Owner Unanticipated Allowance Modification No. 8 for Project 0812-C and Change Order No. 5 for Project 0813-D3 to the City Council for approval.

File management activities continued.

Construction Related Engineering

Conveyance System

Provided construction management on all conveyance projects and observation at the site for Projects 0813-D3, 0814-D4 and 0815-D5.

On 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. S.R. Weidema completed the majority of surface restoration work on 28th Avenue and 30th Avenue and will continue work after the spring thaw, including final asphalt lift on 28th Avenue SW.

On Project 0814-D4, S.R. Weidema has completed 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.

On 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. Productivity continues as weather permits, and the anticipated completion of piping operations is early February.

On Project 0816-D6, 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.

Wastewater Treatment Facility

Provided construction management and observation at the site for Project 0812-C. Approximate progress is as follows:

- 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.
- 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.

Coordinated schedules for startup process and Biosolids Plan.

Continued to provide Technical Shop Drawing reviews.

Program Budget

Wastewater Treatment Facility Relocation Budget Summary January 2010			
<u>REVENUES</u>			
Federal			
American Recovery & Reinvestment Act (ARRA) Grant		\$447,179	
Clean Water Revolving Fund Loan (3.275%)		\$73,311,170	
Clean Water Revolving Fund Loan (2.45%)		\$1,788,716	
EPA State and Tribal Assistance Grant		\$477,900	
State			
Wastewater Infrastructure Fund Loan		\$7,000,000	
Total Maximum Daily Load Grant		\$2,692,935	
Local			
City – WTP Reserves		<u>\$500,812</u>	
TOTAL REVENUES		\$86,218,712	
<u>EXPENDITURES</u>			
Non-construction	Budget	Current Expenses	Remaining Budget
Planning	\$1,140,000	\$1,140,152	(\$152)
Design	\$4,595,788	\$4,543,804	\$51,984
Land & Legal	\$1,130,000	\$1,136,736	(\$6,736)
Construction Engineering	\$5,199,356	\$2,410,330	\$2,789,026
Construction Engineering – D6	<u>\$198,895</u>	<u>\$39,666</u>	<u>\$159,229</u>
Total Non-Construction	\$12,264,039	\$9,270,688	\$2,993,351
Construction			
Existing Treatment Facility Decommission Treatment Facility	\$155,505	\$149,032	\$6,473
New Treatment Facility	\$3,302,865	\$0	\$3,302,865
Collector Systems	\$51,828,000	\$37,480,644	\$14,347,356
Pump Stations 710 & 720	\$16,631,303	\$14,843,823	\$1,787,480
	<u>\$2,037,000</u>	<u>\$543,363</u>	<u>\$1,493,637</u>
Total Construction	\$73,954,673	\$53,016,862	\$20,937,811
Total Project Cost	\$86,218,712	\$62,287,550	\$23,931,162

**Donohue
Budget**

Planning Phase

Contract Limit	\$ 915,940
Remaining Balance	\$ 365

Design Phase

Original Contract Limit	\$ 4,359,172
Contract Amendments	<u>198,219</u>
Current Contract Limit	\$ 4,557,391
Invoices to date	<u>4,541,849</u>
Remaining Balance	\$ 15,542

Construction Phase

Original Contract Limit	\$ 5,398,251
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Program Management/CRS

Total Contract	\$ 5,199,356
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Monthly Beginning Balance	\$ 2,789,026
January Invoice	<u>173,006</u>
Remaining Balance	\$ 2,616,020

Pump Station Program Management/CRS

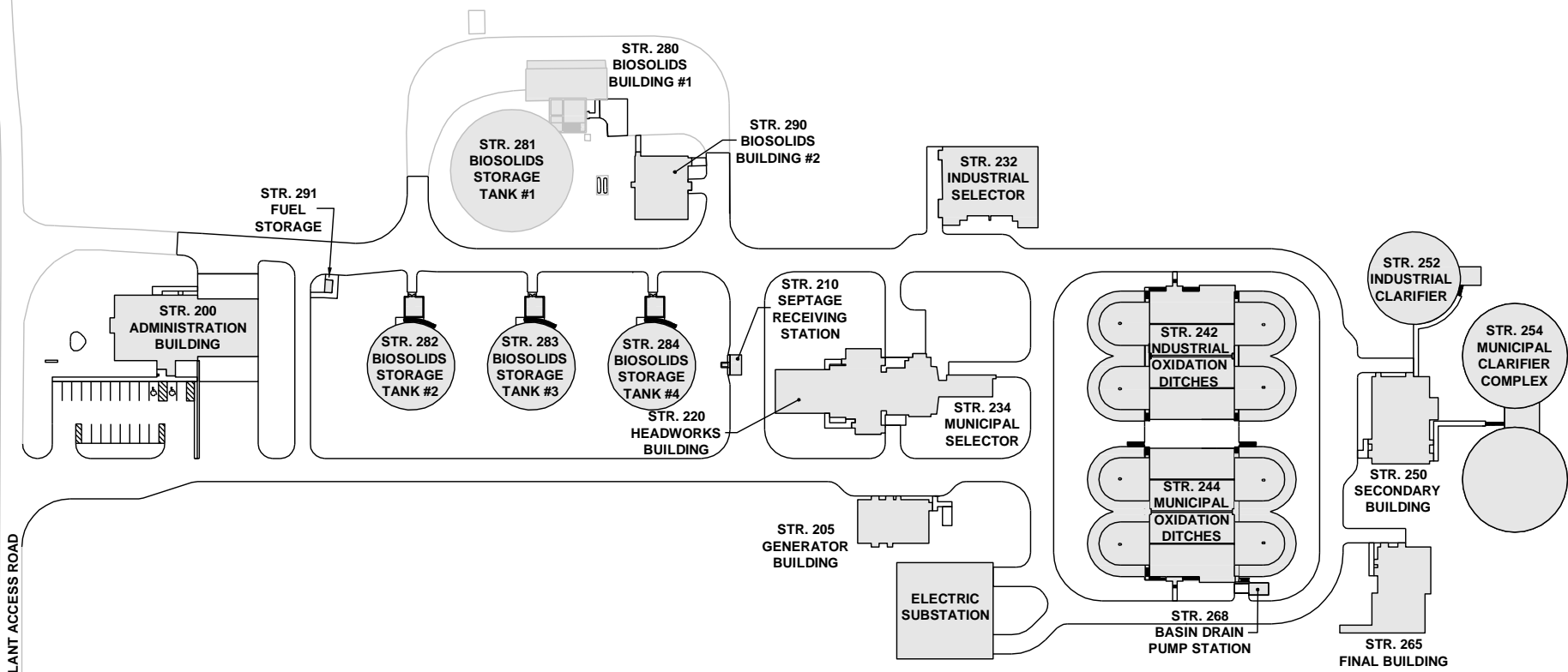
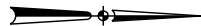
Total Contract	\$ 198,895
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Monthly Beginning Balance	\$ 159,229
January Invoice	<u>4,279</u>
Remaining Balance	\$ 154,950

Construction Legend

January 2010

Structure No.	Structure Name	Progress
200	Administration Building	Continuing to install plumbing, electrical and HVAC; installing roof system; painting interior, installing ceilings.
205	Generator Building	Installing generators and switchgear.
210	Septage Receiving Station	No activity in January.
220	Headworks Building	Continuing to install process piping, HVAC, electrical and screw pumps.
232	Industrial Selector	Installing process piping and electrical.
234	Municipal Selector	Continuing to install process piping.
242	Industrial Oxidation Ditch	Continuing to install stairs and handrail system.
244	Municipal Oxidation Ditch	Continuing to install stairs and handrail system.
250	Secondary Building	Continuing to install process piping, pumps and electrical.
252	Industrial Clarifier	Assembling dome.
254	Municipal Clarifier (1 & 2)	Assembling dome for clarifier.
265	Final Building	Installing plumbing, process piping and electrical.
268	Basin Drain Pump Station	No activity in January.
280	Biosolids Building No. 1	Installing electrical.
281	Biosolids Storage Tank No. 1	No activity in January.
282	Biosolids Storage Tank No. 2	No activity in January.
283	Biosolids Storage Tank No. 3	No activity in January.
284	Biosolids Storage Tank No. 4	No activity in January.
290	Biosolids Building No. 2	Continuing to install equipment, pumps, piping and electrical.
291	Fuel Storage	No activity in January.
---	Site	Continuing to pull underground wiring; Willmar Municipal Utilities is terminating wiring.



PLANT ACCESS ROAD

WILLMAR TRAP CLUB

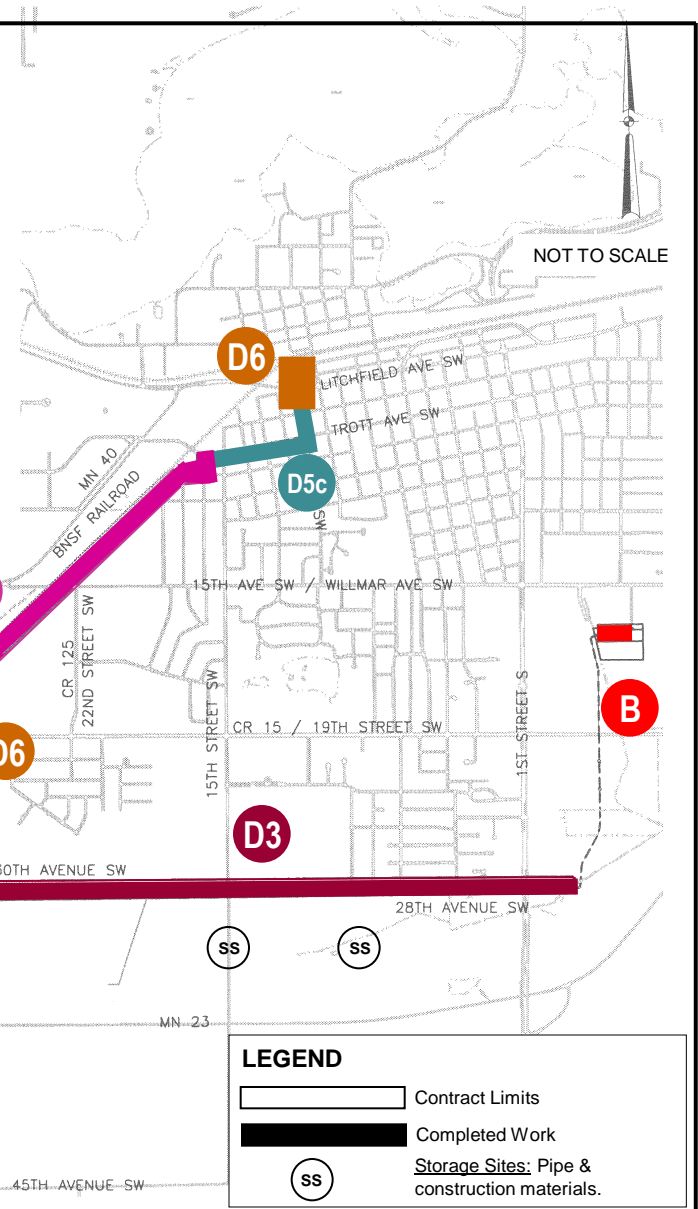
SEE CONSTRUCTION STATUS TABLE

Project 0813-D3 14,800 lineal feet of 48-inch Interceptor and 491 lineal feet of 36-inch Interceptor has been installed along with 27 manholes. Watermain relocation is complete on 28th Avenue SW. All paving and concrete work is complete for the season. The final wearing course will be laid in the Spring of 2010. 28th Avenue SE and 28th Avenue SW are open to local traffic. All borings are complete.

Project 0814-D4 14,300 lineal feet of Interceptor pipe with 21 manhole structures installed; 14,280 lineal feet of Forcemain pipe with 15 manhole structures installed; 3,200 lineal feet Outfall pipe with 5 manhole structures and 1 outfall headwall structure installed.

Project 0815-D5 1,100 lineal feet of 24-inch Gravity Sewer installed along with 4 manholes. 5,600 lineal feet of 8-inch Forcemain installed along with 7 manholes (clean-out/air release vaults). 5,100 lineal feet of 16-inch Forcemain installed along with 5 manholes (clean-out/air release vaults). All road restoration has been completed.

Project 0901-D5c **Project Complete** - Installation of the 8-inch Forcemain (2,591') was completed and tested. Two air relief manholes and one cleanout manhole were installed with the street reconstruction project.



**City of Willmar, Minnesota
Wastewater Program
MONTHLY PROGRESSION MAP
January 2010**

