

Date: March 3, 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: **February 2010 Monthly Report Summary**

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

Summary of Activities **Program Management**

Prepared February 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 4 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 5 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.

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.

Attended mediation and provided information on February 9 with City staff and representatives of legal counsel on Wallace Janssen's property.

Continue to work with legal counsel and City staff to provide information on the property acquisition.

Continue to provide information on Groothuis property. Commissioners hearing scheduled for March 3, 2010, was cancelled since the parties have been negotiating and making substantial progress.

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.

Projects 0813-D3 and 0814-D4 are substantially complete. Continue to test and televise the lines.

On Project 0815-D5, the installation of the remaining 16-inch Forcemain is complete. The final connection to Project 0814-D4 16-inch Forcemain is tentatively planned for mid-March.

On Project 0816-D6, Di-Mar is on task with the proposed schedule for the construction of the two pump stations. The schedule has been revised due to a delay in delivery of the pumps. Due to warmer temperatures, the rubber membrane roofs, insulation and downspouts on the pump stations have been completed which is extremely critical to maintain proposed work on the interior of the pump stations. Work currently consists of grinding, sanding, and cosmetic repairs to the cast-in-place concrete walls, and process piping installation.

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 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.
- 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 February 2010			
<u>REVENUES</u>	Award Amount	Current Expenses	Balance to Draw
Federal			
* American Recovery & Reinvestment Act (ARRA) Grant	\$447,179	\$447,179	\$0
Clean Water Revolving Fund Loan (3.275%)	\$42,001,362	\$42,001,362	\$0
* Clean Water Revolving Fund Loan (2.45%)	\$1,788,716	\$339,344	\$1,449,372
Clean Water Revolving Fund Loan (3.44%)	\$36,238,638	\$11,515,362	\$24,723,276
EPA State and Tribal Assistance Grant (STAG)	\$477,900	\$477,900	\$0
State			
Wastewater Infrastructure Fund Loan	\$7,000,000	\$6,500,000	\$500,000
* Total Maximum Daily Load Grant	\$2,692,935	\$2,692,935	\$0
Local			
City – WTP Reserves	<u>\$500,812</u>	<u>\$88,996</u>	<u>\$411,816</u>
Total Revenues	\$91,147,542	\$64,063,078	\$27,084,464
* Loan 3 Reduction (Revenue Received after Loan 1 Agreement)	<u>\$4,928,830</u>		
Total Project Cost	\$86,218,712		
<u>EXPENDITURES</u>	Budget	Current Expenses	Remaining Budget
Non-Construction			
Planning	\$1,140,000	\$1,138,305	\$1,695
Design	\$4,595,788	\$4,543,804	\$51,984
Land and Legal	\$1,130,000	\$1,142,355	(\$12,355)
Construction Engineering	\$5,199,356	\$2,583,336	\$2,616,020
Construction Engineering – D6	<u>\$198,895</u>	<u>\$43,945</u>	<u>\$154,950</u>
Total Non-Construction	\$12,264,039	\$9,451,745	\$2,812,294
Construction			
Existing Treatment Facility	\$155,505	\$149,032	\$6,473
Decommission Treatment Facility	\$3,302,865	\$9,000	\$3,293,865
New Treatment Facility	\$51,828,000	\$38,866,101	\$12,961,899
Collector Systems	\$16,631,303	\$14,844,622	\$1,786,681
Pump Stations 710 & 720	<u>\$2,037,000</u>	<u>\$742,578</u>	<u>\$1,294,422</u>
Total Construction	\$73,954,673	\$54,611,333	\$19,343,340
Total Project Cost	\$86,218,712	\$64,063,078	\$22,155,634

**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>4,544,793</u>
Remaining Balance	\$ 12,598

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	\$ 2,616,020
February Invoice	<u>185,410</u>
Remaining Balance	\$ 2,430,610

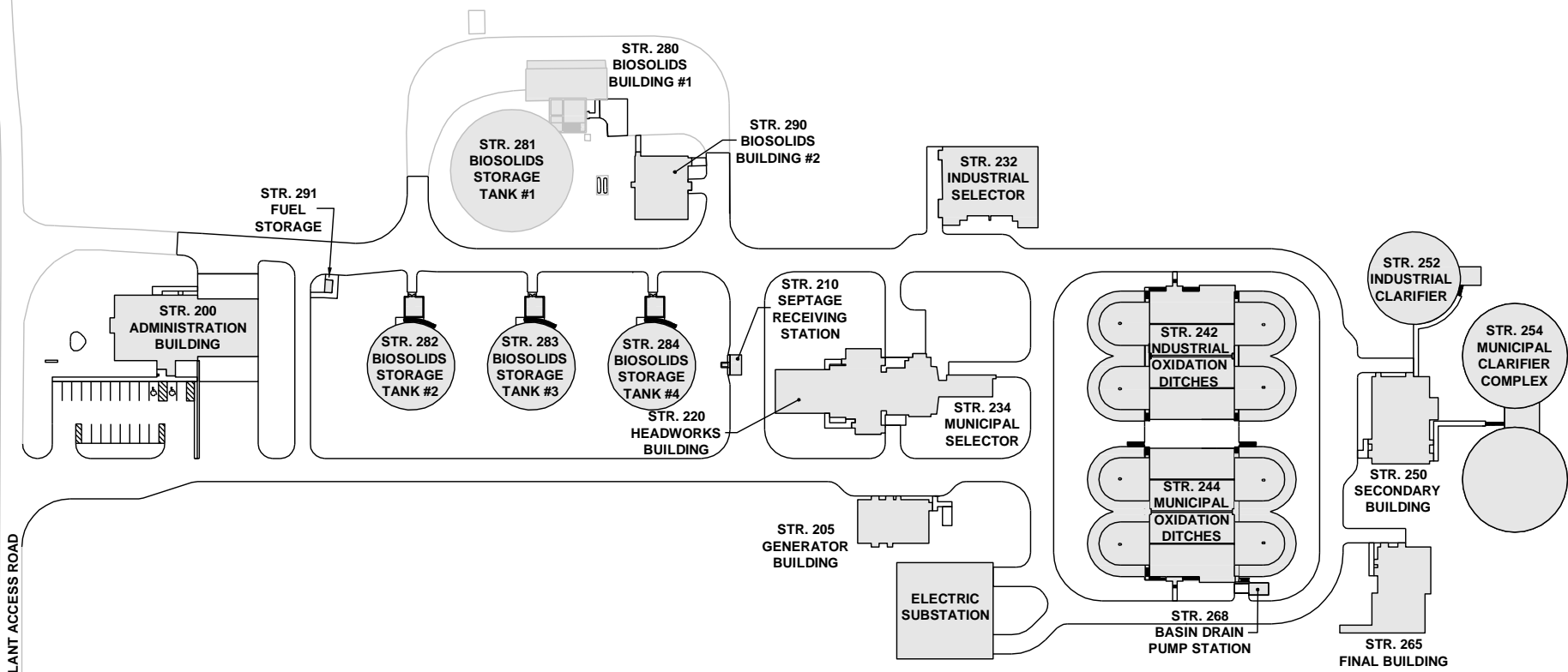
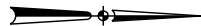
Pump Station Program Management/CRS

Total Contract	\$ 198,895
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Monthly Beginning Balance	\$ 154,950
February Invoice	<u>10,644</u>
Remaining Balance	\$ 144,306

Construction Legend
February 2010

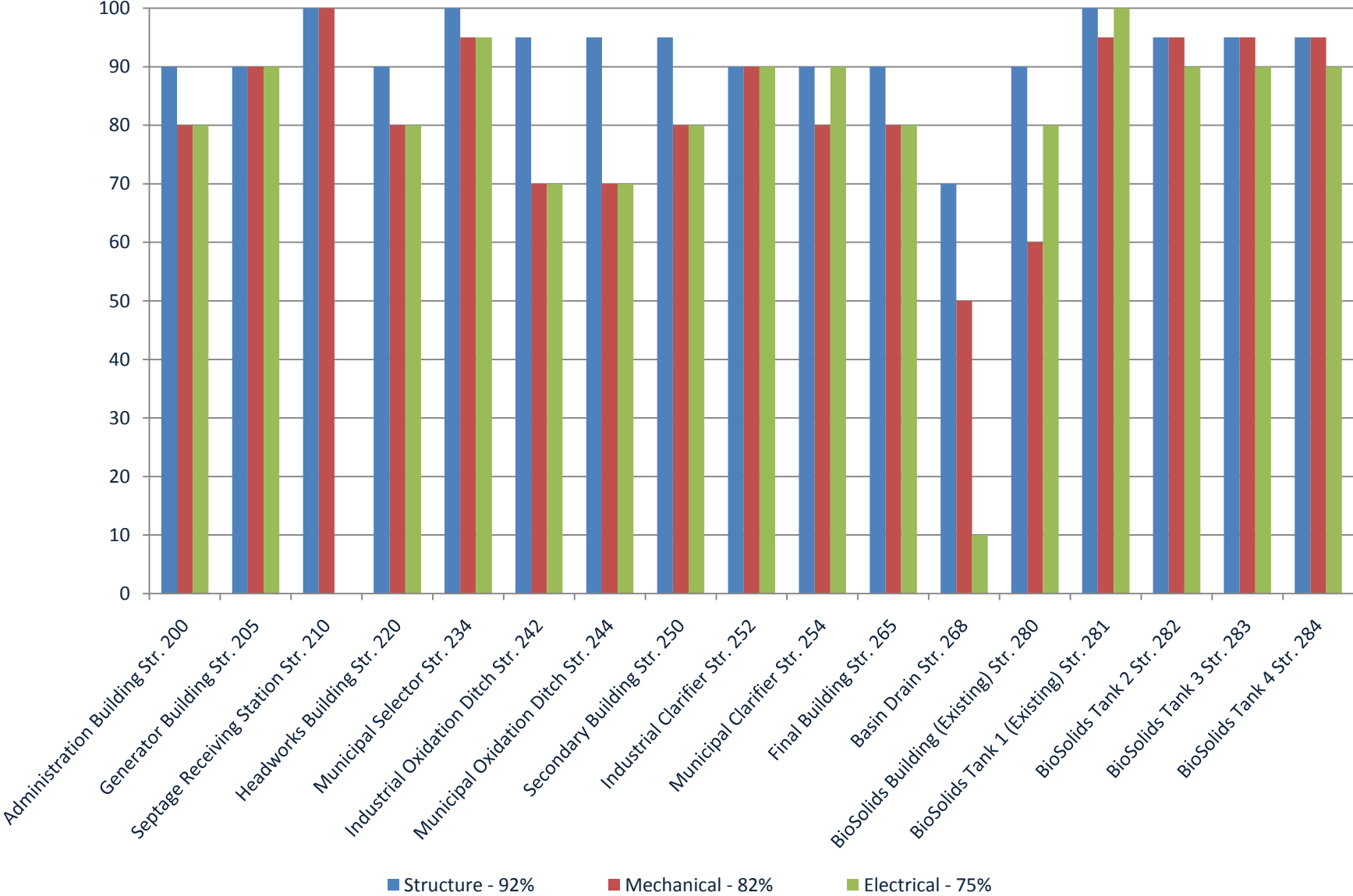
Structure No.	Structure Name	Progress
200	Administration Building	Continuing to install plumbing, electrical and HVAC; installing roof system; installing ceilings.
205	Generator Building	Installing generators and switchgear; terminating wiring and making ready for permanent power.
210	Septage Receiving Station	No activity in February.
220	Headworks Building	Continuing to install process piping, HVAC, electrical, screw pumps and fine screens.
232	Industrial Selector	Installing process piping, chemical 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, chemical piping, pumps and electrical.
252	Industrial Clarifier	Installing dome.
254	Municipal Clarifier (1 & 2)	Installing dome.
265	Final Building	Installing plumbing, HVAC, process piping and electrical.
268	Basin Drain Pump Station	No activity in February.
280	Biosolids Building No. 1	Installing electrical.
281	Biosolids Storage Tank No. 1	No activity in February.
282	Biosolids Storage Tank No. 2	Continued installation of tank and stairs.
283	Biosolids Storage Tank No. 3	Continued installation of tank and stairs.
284	Biosolids Storage Tank No. 4	Continued installation of tank and stairs.
290	Biosolids Building No. 2	Continuing to install equipment, HVAC, pumps, piping and electrical.
291	Fuel Storage	No activity in February.
---	Site	No activity in February.



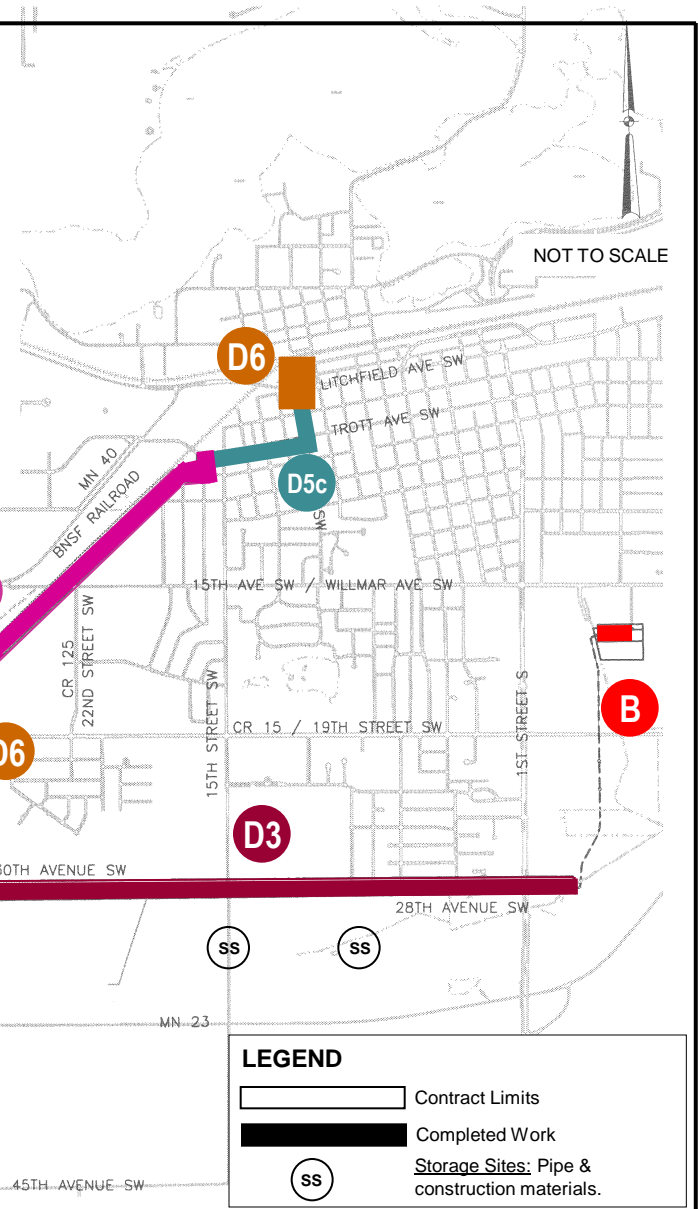
WILLMAR TRAP CLUB

Wastewater Treatment Plant - Percent Complete

February 2010



- 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 installed along with 21 manholes. Outfall and headwall installation complete. 14,280 lineal feet of Forcemain installed along with 15 manholes.
- Project 0815-D5 1,116 lineal feet of 24-inch Gravity Sewer installed along with 4 manholes. 5,654 lineal feet of 8-inch Forcemain installed along with 7 manholes (clean-out/air release vaults). 5,238 lineal feet of 16-inch Forcemain installed along with 6 manholes (clean-out/air release vaults). All road restoration has been completed. All carrier pipe has been installed.
- 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
February 2010**

