

Date: August 9, 2010
To: Holly Wilson, Acting Director of Public Works
Copy: Colleen Thompson, WWTF Superintendent
Michael Schmit, City Administrator
Steve Okins, Finance Director
File
From: **Rhonda Rae, Program Manager**
Prepared by: Rhonda Rae, Program Manager
Re: **July 2010 Monthly Report Summary**

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

Summary of Activities Program Management

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

Worked with the City to submit Pay Request 10 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 10 to the Public Facilities Authority for American Recovery and Reinvestment Act (ARRA) and Clean Water Revolving Funds.

Continued to work with the Public Facilities Authority (PFA), Minnesota Pollution Control Agency (MPCA), City Staff and Donohue Staff for funding opportunities from Water Resources Development Act (WRDA) and Environmental Protection Agency State and Tribal Assistance Grant (EPA STAG).

Continue to provide information for the City's asset management, maintenance and operational program.

Continue to work on gravity collection piping capital costs, and forcemain piping capital costs.

Held pre-bid conference for Project B, Decommissioning of the Existing Wastewater Treatment Facility.

Opened and reviewed bids for Project B, Decommissioning of the Existing Wastewater Treatment Facility.

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, 0814-D4, 0815-D5 and 0816-D6 are substantially complete. The Contractors are currently working on Punch List items.

Meetings continue between the contractors and property owners regarding the final restoration of properties. All property lease agreements have been signed.

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.
- The Generator Building Structure 205 is mostly complete. Generators and switchgear are being tested. The medium voltage switchgear is complete and energized.
- The Septage Receiving Station Structure 210 is basically complete.
- The Headworks Building Structure 220 is mostly complete; painting and coating is continuing.
- The Municipal Selector Structure 234 is mostly complete.
- The Industrial Oxidation Ditch Structure 242 is mostly complete.
- The Municipal Oxidation Ditch Structure 244 is mostly complete.
- The Secondary Building Structure 250 is mostly complete.
- The Industrial Clarifier Structure 252 is mostly complete.
- The Municipal Clarifier Structure 254 is mostly complete.
- The Final Building Structure 265 is mostly complete.
- The Basin Drain Pump Station Structure 268 is mostly complete. The pump and piping are being installed.
- Bio-Solids Building #1 Structure 280 is mostly complete.
- Existing Bio-Solids Storage Tank #1 Structure 281 is mostly complete.
- Bio-Solids Storage Tank #2 Structure 282 is mostly complete.
- Bio-Solids Storage Tank #3 Structure 283 is mostly complete.
- Bio-Solids Storage Tank #4 Structure 284 is mostly complete.
- 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.
- 100 percent of onsite roadways have been completed with the first lift of asphalt.
- Trees and shrubbery are planted, and grass has been seeded in some areas.

Coordinated schedules for startup process and Biosolids Plan.

Continued to provide Technical Shop Drawing reviews.

Continued to negotiate with contractor and the City on allowance modification items.

Program Budget

Wastewater Treatment Facility Relocation Budget Summary July 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	\$1,425,853	\$362,863
Clean Water Revolving Fund Loan (3.44%)	\$36,238,638	\$19,555,555	\$16,683,083
EPA State and Tribal Assistance Grant (STAG)	\$477,900	\$477,900	\$0
State			
Wastewater Infrastructure Fund Loan	\$7,000,000	\$6,516,936	\$483,064
* Total Maximum Daily Load Grant	\$2,692,935	\$2,692,935	\$0
Local			
City – WTP Reserves	<u>\$500,812</u>	<u>\$96,371</u>	<u>\$404,441</u>
Total Revenues	\$91,147,542	\$73,214,091	\$17,933,451
* 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	\$4,683,064	\$4,613,082	\$69,982
Land and Legal	\$2,011,288	\$1,223,992	\$787,296
Construction Engineering	\$5,199,356	\$3,521,564	\$1,677,792
Construction Engineering – D6	<u>\$198,895</u>	<u>\$122,956</u>	<u>\$75,939</u>
Total Non-Construction	\$13,232,603	\$10,619,899	\$2,612,704
Construction			
Existing Treatment Facility	\$155,505	\$149,032	\$6,473
Decommission Treatment Facility	\$3,895,329	\$9,895	\$3,885,434
New Treatment Facility	\$50,729,008	\$45,644,649	\$5,084,359
Collector Systems	\$16,169,267	\$15,040,540	\$1,128,727
Pump Stations 710 & 720	<u>\$2,037,000</u>	<u>\$1,750,076</u>	<u>\$286,924</u>
Total Construction	\$72,986,109	\$62,594,192	\$10,391,917
Total Project Cost	\$86,218,712	\$73,214,091	\$13,004,621

**Donohue
Budget**

Planning Phase

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

Design Phase

Original Contract Limit	\$ 4,359,172
Contract Amendments	<u>285,495</u>
Current Contract Limit	\$ 4,644,667
Invoices to date	<u>4,643,991</u>
Remaining Balance	\$ 676

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	\$ 1,677,790
July Invoice	<u>227,112</u>
Remaining Balance	\$ 1,450,678

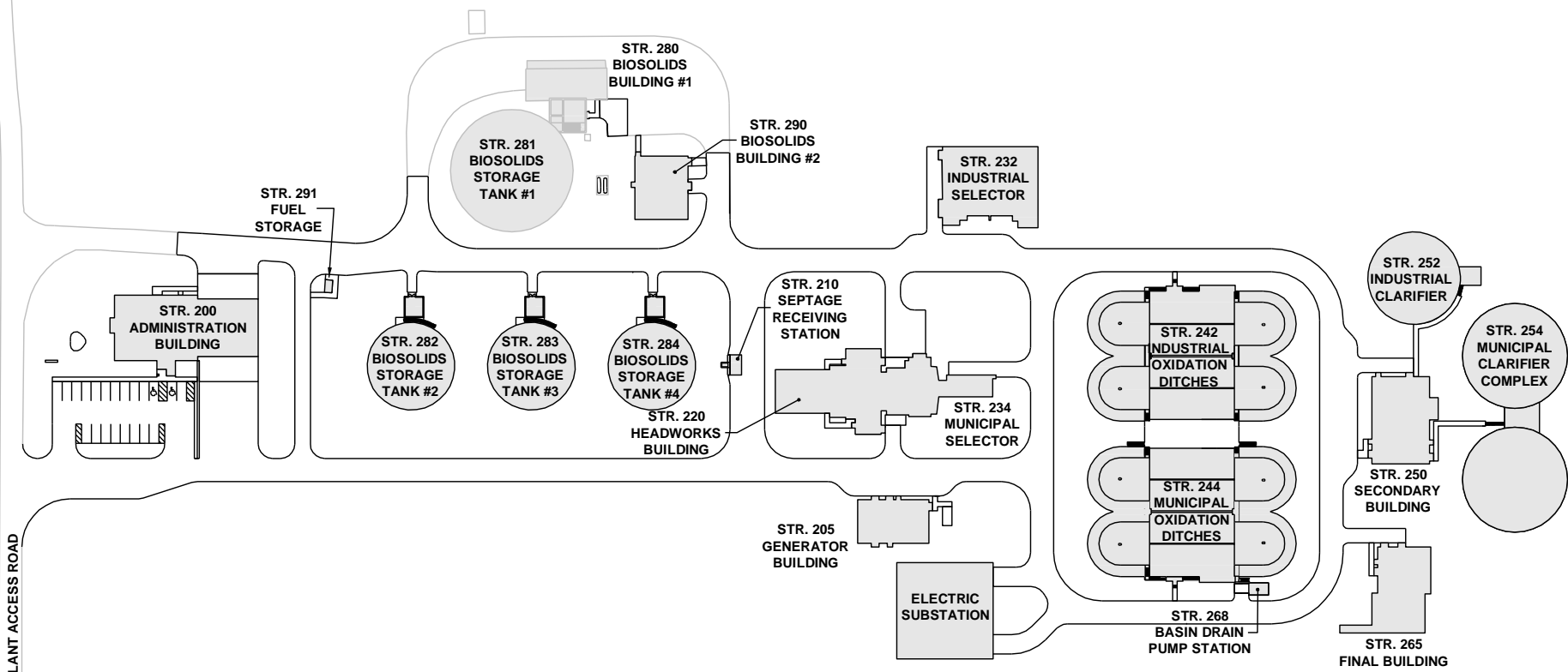
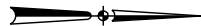
Pump Station Program Management/CRS

Total Contract	\$ 198,895
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Monthly Beginning Balance	\$ 75,937
July Invoice	<u>25,459</u>
Remaining Balance	\$ 50,478

Construction Legend
July 2010

Structure No.	Structure Name	Progress
200	Administration Building	Installing HMI system; cleaning building.
205	Generator Building	Testing generators and switchgear.
210	Septage Receiving Station	Coated inside concrete.
220	Headworks Building	Building is mostly complete; painting and coating; screw pump channels grouted; RWW pumps installed.
232	Industrial Selector	Building is mostly complete.
234	Municipal Selector	Building is mostly complete.
242	Industrial Oxidation Ditch	Structure is mostly complete.
244	Municipal Oxidation Ditch	Structure is mostly complete.
250	Secondary Building	Building is mostly complete.
252	Industrial Clarifier	Structure is mostly complete.
254	Municipal Clarifier (1 & 2)	Structure is mostly complete.
265	Final Building	Building is mostly complete.
268	Basin Drain Pump Station	Installing basin drain pump.
280	Biosolids Building No. 1	Installing plumbing.
281	Biosolids Storage Tank No. 1	No activity in July.
282	Biosolids Storage Tank No. 2	No activity in July.
283	Biosolids Storage Tank No. 3	No activity in July.
284	Biosolids Storage Tank No. 4	No activity in July.
290	Biosolids Building No. 2	Continuing to install equipment, HVAC, pumps, piping and electrical.
291	Fuel Storage	No activity in July.
---	Site	Site grading and road construction activities; seeding, tree and shrub installation.



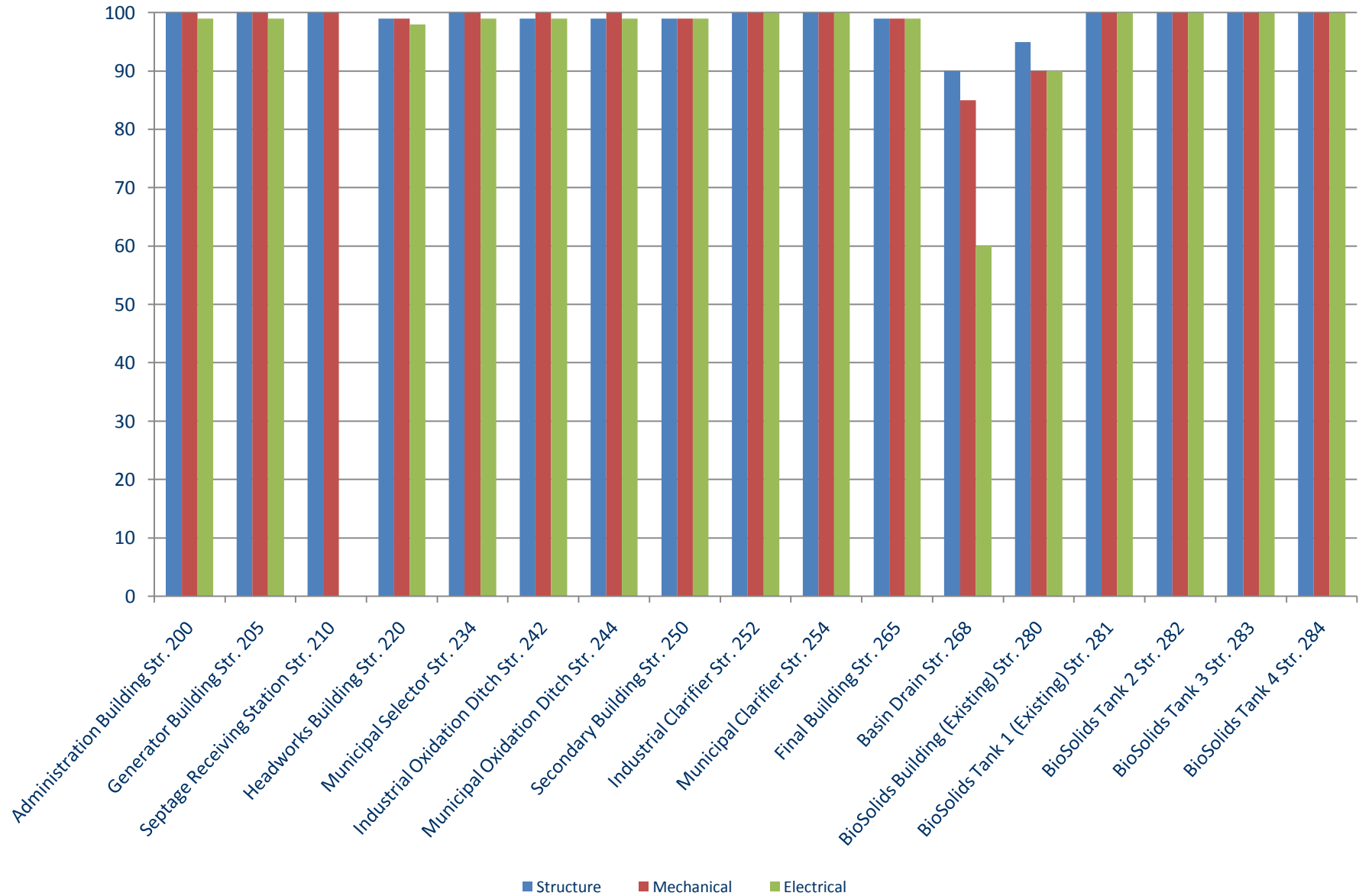
PLANT ACCESS ROAD

WILLMAR TRAP CLUB

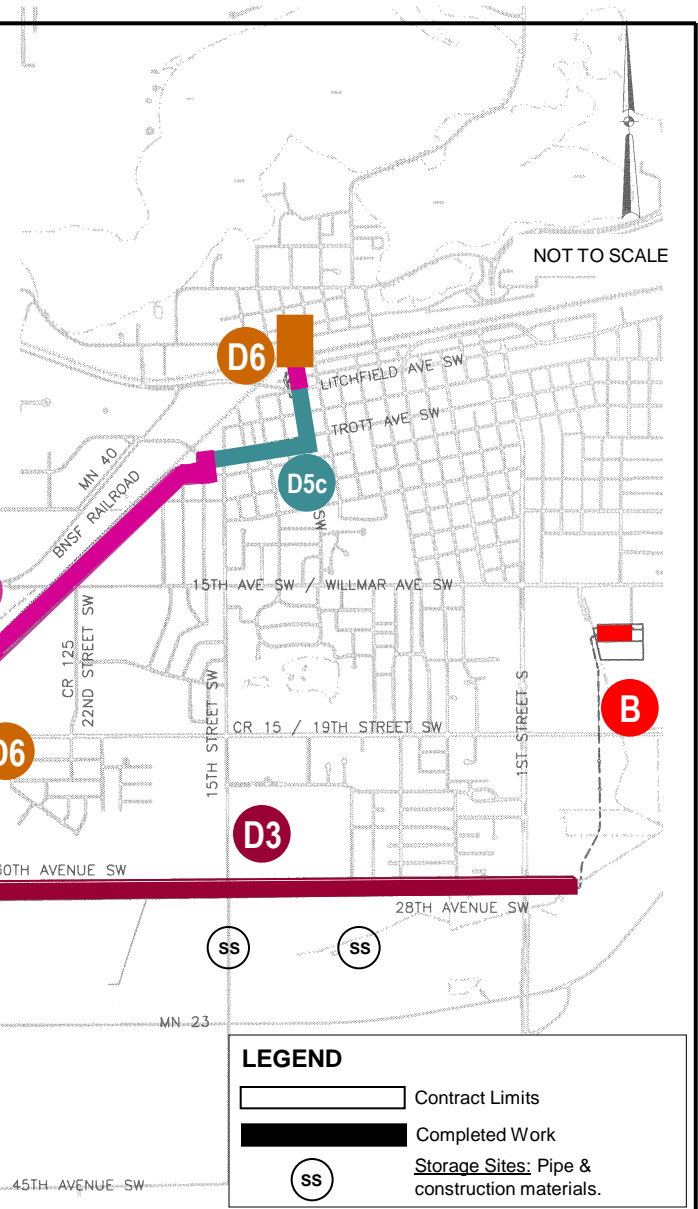
SEE CONSTRUCTION STATUS TABLE

Wastewater Treatment Plant - Percent Complete

July 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
July 2010**

