

## Monthly Report Summary



**Date:** August 27, 2009  
**To:** Mel Odens, Director of Public Works  
**Copy:** Colleen Thompson, WWTF Superintendent  
Holly Wilson  
File  
**From:** Rhonda Rae, Program Manager  
**Prepared by:** Rhonda Rae, Program Manager  
**Re:** August 2009 Monthly Report Summary

These notes summarize the activities related to the Wastewater Treatment Plant Relocation and Conveyance System Improvements for the month of August 2009.

### **Summary of Program Management Activities**

Prepared August 2009 Monthly Program Report and distributed to City Staff.

Assisted the City with amending the Total Maximum Daily Load (TMDL) Program Grant Agreement with the Minnesota Public Facilities Authority from \$500,000 to the balance of \$2,192,935 for a total TMDL grant of \$2,592,935 for the Wastewater Treatment Plant.

Met with City Staff regarding funding and finance issues. Worked with the City to submit Pay Request 17 to the Public Facilities Authority (PFA) for the Clean Water Revolving Fund Loan and Wastewater Improvement Fund. Next month's pay request will include a (TMDL) Grant request. Continued to work with City staff on reconciling PFA payment with city pay request.

Continued to work with Don Roecker, PFA, MPCA, City staff and Donohue staff for funding opportunities from the American Recovery and Reinvestment Act of 2009 (ARRA), the federal stimulus funds, Water Resources Development Act (WRDA) and Environmental Protection Agency State and Tribal Assistance Grant (STAG) 2010 for \$300,000.

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 legal counsel to provide information on the property acquisition. Kvams have appealed the decision of the Court of Appeals to the Minnesota Supreme Court. The issues before the Court of Appeals were whether the City had a public purpose, necessity and legal authority to take fee simple title to the right-of-way parcels for the interceptor sewer, instead of permanent easements.

Provided updated information on the impact of construction on Wallace Janssen's property. Janssen Properties has also appealed the awards and is scheduled for a jury trial in District Court this fall.

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. Good progress continues on each of the conveyance projects.

Project 0813-D3 has installed 12,500 linear feet of 48-inch Interceptor, 475 lineal feet of 36-inch Interceptor, and 20 manholes. Interceptor has been installed on 28<sup>th</sup> Avenue SW to 1<sup>st</sup> Street. Pipe installation has begun under First Street. Watermain relocation is complete on 28<sup>th</sup> Avenue SW. Some restoration has been completed on 28<sup>th</sup> Avenue, and it is open to traffic. Two of four borings have been completed.

Project 0814-D4 has installed approximately 14,000 linear feet of 54-inch Interceptor pipe and 21 manholes. The Outfall pipe installation is complete; the headwall has not been installed. Approximately 14,000 linear feet of Forcemain and 14 manholes have been installed. Continuing to pressure test the forcemain. Working on restoration.

On Project 0815-D5, approximately 5,600 feet of 8-inch Forcemain pipe has been installed with 7 manholes. Approximately 1,100 linear feet of 24-inch Gravity Sewer pipe and 4 manholes have been installed. All road restoration has been completed.

### **Wastewater Treatment Facilities**

Provided construction management and observation at the site for Project 0812-C.

The Contractor started concrete forming and pouring for all of the 20 structures. Approximate progress is as follows:

- Structural steel for the frame of Administration Building Structure 200 is mostly complete; concrete floor is complete; masonry walls are being installed.
- 100 percent of the concrete pours are complete for the Generator Building Structure 205; masonry walls and precast have been installed.
- Most of the concrete pours are complete for Headworks Building Structure 220; installing precast and masonry walls.
- 95 percent of Municipal Selector Structure 234 is complete.
- 100 percent of the concrete pours are complete for JOTS Oxidation Ditch Structure 242; finishing concrete.
- 100 percent of the concrete pours are complete for Municipal Oxidation Ditch Structure 244; finishing concrete.
- 85 percent of Secondary Building Structure 250 is complete; masonry walls, precast walls and precast roof panels have been installed; process piping is being installed.
- Most of the work is complete at JOTS Clarifier Structure 252; completed forming and pouring radius walls and effluent trough; installed clarifier equipment.
- 90 percent of the work is complete at the Municipal Clarifier Structure 254; installing clarifier equipment.

- 80 percent of concrete is complete for Final Building Structure 265; formed and poured walls.
- 95 percent of concrete pours are complete for Basin Drain Pump Station Structure 268.
- 30 percent of conduit is complete for the Bio-Solids Building #1 Structure 280.
- Finished work on curbs and davit cranes for Existing Bio-Solids Storage Tank #1 Structure 281.
- 95 percent of Bio-Solids Storage Tank #2 Structure 282 is complete including underground piping and building.
- 95 percent of Biosolids Storage Tank #3 Structure 283 is complete including underground piping, footing walls and building.
- 95 percent of Biosolids Storage Tank #4 Structure 284 is complete including underground piping and center pier.
- 40 percent of the installation of underground process piping has been completed.
- 30 percent of the installation of underground duct bank has been completed.

Coordinated schedules for startup process and Biosolids Plan.

Continued to provide Technical Shop Drawing reviews.

**Program Budget**

<b>Wastewater Treatment Facility Relocation Budget Summary August 2009</b>			
<b><u>REVENUES</u></b>			
<b>Federal</b>			
Clean Water Revolving Fund Loan		\$75,547,065	
EPA State and Tribal Assistance Grant		\$477,900	
<b>State</b>			
Wastewater Infrastructure Fund Loan		\$7,000,000	
Total Maximum Daily Load Grant		\$2,692,935	
<b>Local</b>			
City – WTP Reserves		<u>\$500,812</u>	
<b>TOTAL REVENUES</b>		<b>\$86,218,712</b>	
<b><u>EXPENDITURES</u></b>			
	<b>Budget</b>	<b>Current Expenses</b>	<b>Remaining Budget</b>
<b>Non-construction</b>			
Planning	\$1,140,000	\$1,140,152	(\$152)
Design	\$4,595,788	\$4,542,163	\$53,625
Land & Legal	\$1,130,000	\$1,104,270	\$25,730
Construction Engineering	<u>\$5,398,251</u>	<u>\$1,374,556</u>	<u>\$4,023,695</u>
<b>Total Non-Construction</b>	<b>\$12,264,039</b>	<b>\$8,161,141</b>	<b>\$4,102,898</b>
<b>Construction</b>			
Existing Treatment Facility Decommission Treatment Facility	\$155,505	\$149,032	\$6,473
New Treatment Facility	\$3,051,915	\$0	\$3,051,915
Collector Systems	\$51,828,000	\$21,518,114	\$30,309,886
Pump Stations 710 & 720	\$16,631,303	\$12,107,099	\$4,524,204
	<u>\$2,287,950</u>	<u>\$0</u>	<u>\$2,287,950</u>
<b>Total Construction</b>	<b>\$73,954,673</b>	<b>\$33,774,245</b>	<b>\$40,180,428</b>
<b>Total Project Cost</b>	<b>\$86,218,712</b>	<b>\$41,935,386</b>	<b>\$44,283,326</b>

**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*

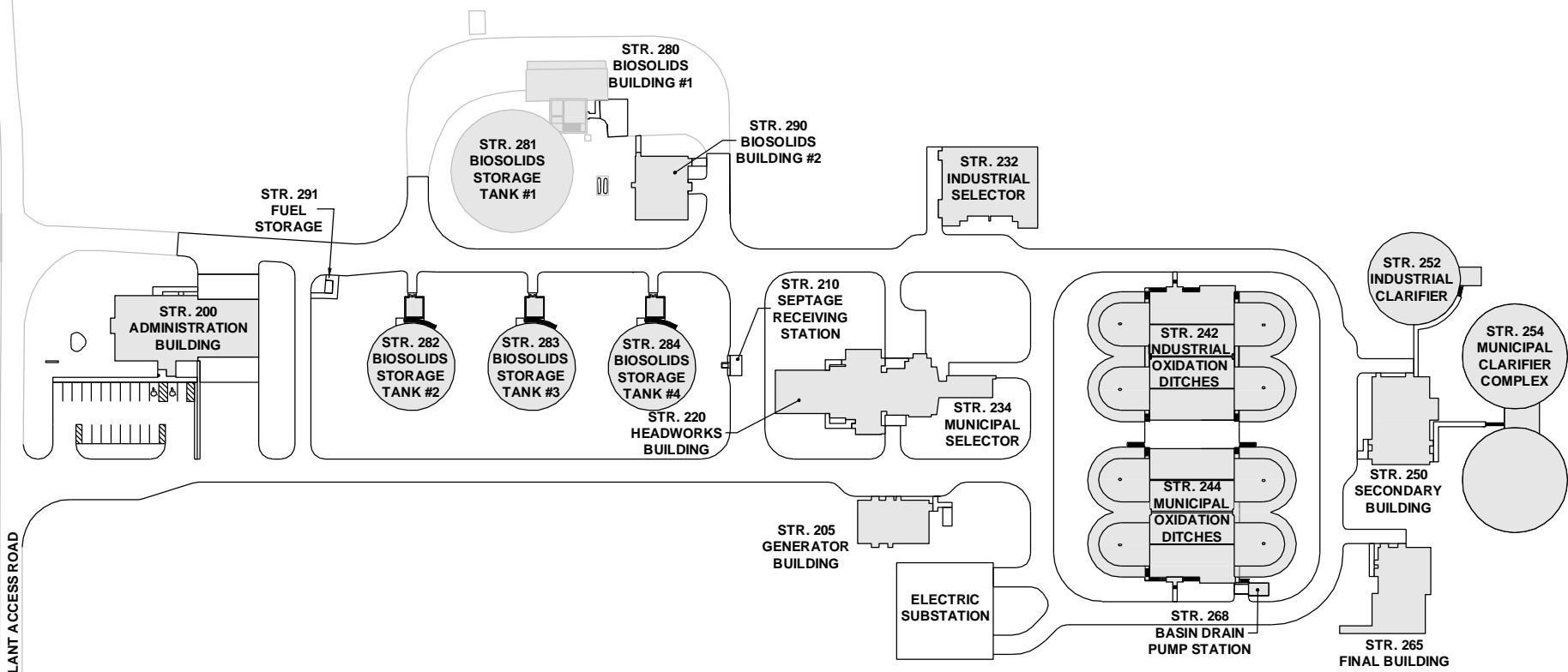
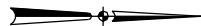
Total Contract	\$ 5,199,356
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Monthly Beginning Balance	\$ 3,670,194
August Invoice	<u>192,479</u>
Remaining Balance	\$ 3,477,715

*Pump Station Program Management/CRS*

Total Contract	\$ 198,895
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Monthly Beginning Balance	\$ 198,895
August Invoice	<u>2,404</u>
Remaining Balance	\$ 196,491



PLANT ACCESS ROAD

WILLMAR TRAP CLUB



SEE CONSTRUCTION STATUS TABLE

**Construction Legend**  
**August 2009**

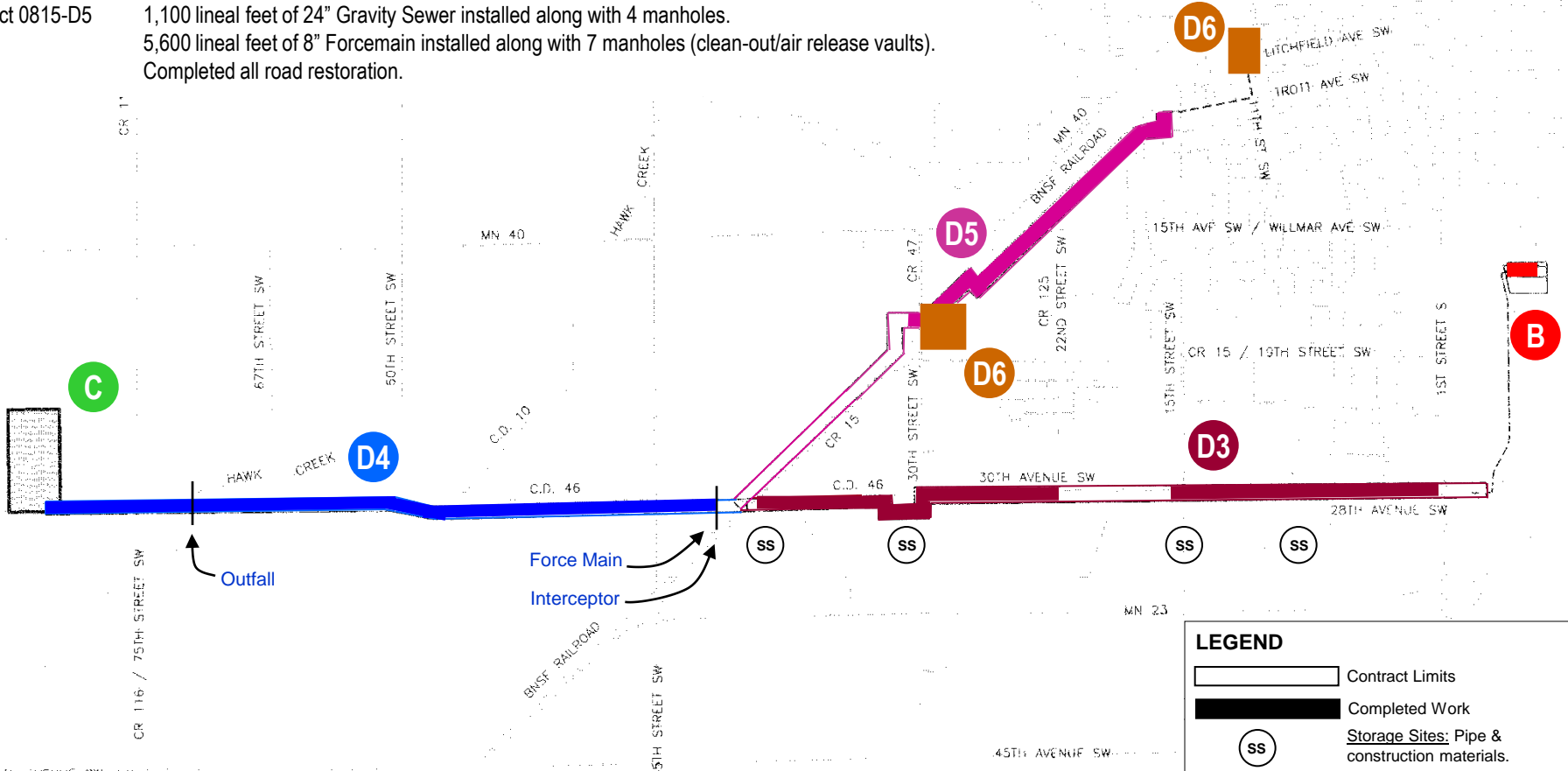
Structure No.	Structure Name	Progress
200	Administration Building	Installed steel structure, concrete floors, masonry walls.
205	Generator Building	No activity in August.
210	Septage Receiving Station	No activity to-date.
220	Headworks Building	Installing precast walls; installed masonry walls.
232	Industrial Selector	Continuing to form and pour walls.
234	Municipal Selector	No activity in August.
242	Industrial Oxidation Ditch	Continuing to finish concrete.
244	Municipal Oxidation Ditch	Continuing to finish concrete.
250	Secondary Building	Installing roof drains.
252	Industrial Clarifier	Set clarifier equipment.
254	Municipal Clarifier (1 & 2)	Setting clarifier equipment.
265	Final Building	Continuing to pour walls.
268	Basin Drain Pump Station	No activity in August.
280	Biosolids Building No. 1	No activity in August.
281	Biosolids Storage Tank No. 1	No activity in August.
282	Biosolids Storage Tank No. 2	No activity in August.
283	Biosolids Storage Tank No. 3	No activity in August.
284	Biosolids Storage Tank No. 4	Installed precast walls and roof.
290	Biosolids Building No. 2	Set GBTs, installed precast walls and roof plank.
291	Fuel Storage	No activity to-date.
---	Site	Continuing to install underground piping and electrical duct banks; backfilling structures.

Project 0813-D3 12,500 lineal feet of 48-inch Interceptor and 475 lineal feet of 36-inch Interceptor has been installed along with 20 manholes. Watermain relocation is complete on 28<sup>th</sup> Avenue SW. Some restoration has been completed on 28<sup>th</sup> Avenue, and it is open to traffic. Two of four borings have been completed.

Project 0814-D4 14,000 lineal feet of Interceptor installed along with 21 manholes.  
 Outfall installation complete.  
 14,000 lineal feet of Forcemain installed along with 14 manholes.  
 Most restoration work completed on west side of CR55 (finish grading/black dirt spread).

Project 0815-D5 1,100 lineal feet of 24" Gravity Sewer installed along with 4 manholes.  
 5,600 lineal feet of 8" Forcemain installed along with 7 manholes (clean-out/air release vaults).  
 Completed all road restoration.

NOT TO SCALE



**City of Willmar, Minnesota  
 Wastewater Program  
 MONTHLY PROGRESSION MAP  
 August 2009**

