

## Monthly Report Summary



**Date:** October 8, 2009

**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:** **September 2009 Monthly Report Summary**

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

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

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

Met with City Staff regarding funding and finance issues. Worked with the City to submit Pay Requests 18 and 19 to the Public Facilities Authority (PFA) for the Clean Water Revolving Fund Loan and Wastewater Improvement Fund and Pay Request No. 4 for the Total Maximum Daily Load (TMDL) grant. 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). Submitted the STAG Grant Application to EPA. for 2010 \$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 completed the installation of pipe under First Street. The contractor has approximately 400 lineal feet of pipe left to install including boring under the railroad and County Road 15.

Project 0814-D4 has approximately 200 lineal feet of pipe left to install west of County Road 15 once the boring is completed.

On Project 0815-D5, the contractor has resumed work again. 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.

On Project 0816-D6, the contractor has completed excavation for Pump Station 720 at 30<sup>th</sup> Street SW. Work has finished on the concrete base slab foundation of Pump Station 720. The contractor continues to work on the reinforcing steel and forms for the cast in place walls of the structure. The bituminous has been removed in the construction limits of Pump Station 710 at Benson Avenue. Excavation continues for the structure footings of Pump Station 710.

### **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 complete as well as the concrete floor; masonry walls are mostly installed; electrical, plumbing, HVAC and drywall framing are being installed; roof system has been started.
- 100 percent of the concrete pours are complete for the Generator Building Structure 205; masonry walls and precast have been installed.
- 90 percent of concrete has been poured for the Septage Receiving Station Structure 210.
- Most of the concrete pours are complete for Headworks Building Structure 220; installing piping; installed precast walls and roof plank.
- 95 percent of Municipal Selector Structure 234 is complete; installed precast walls and roof plank.
- 100 percent of the concrete pours are complete for JOTS Oxidation Ditch Structure 242; continuing to finish concrete.
- 100 percent of the concrete pours are complete for Municipal Oxidation Ditch Structure 244; continuing to finish concrete.

- 90 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 and torque tested.
- 90 percent of the work is complete at the Municipal Clarifier Structure 254; installed clarifier equipment and torque tested.
- 90 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, footing walls and building.
- 50 percent of the installation of underground process piping has been completed.
- 40 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 September 2009</b>			
<b><u>REVENUES</u></b>			
<b>Federal</b>			
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	
<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	\$4,543,414	\$52,374
Land & Legal	\$1,130,000	\$1,108,399	\$21,601
Construction Engineering	<u>\$5,398,251</u>	<u>\$1,721,640</u>	<u>\$3,676,611</u>
<b>Total Non-Construction</b>	<b>\$12,264,039</b>	<b>\$8,513,605</b>	<b>\$3,750,434</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	\$24,119,813	\$27,708,187
Pump Stations 710 & 720	\$16,631,303	\$13,212,386	\$3,418,917
	<u>\$2,287,950</u>	<u>\$53,339</u>	<u>\$2,234,611</u>
<b>Total Construction</b>	<b>\$73,954,673</b>	<b>\$37,534,570</b>	<b>\$36,420,103</b>
<b>Total Project Cost</b>	<b>\$86,218,712</b>	<b>\$46,048,175</b>	<b>\$40,170,537</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	\$ 3,477,715
September Invoice	<u>157,867</u>
Remaining Balance	\$ 3,319,848

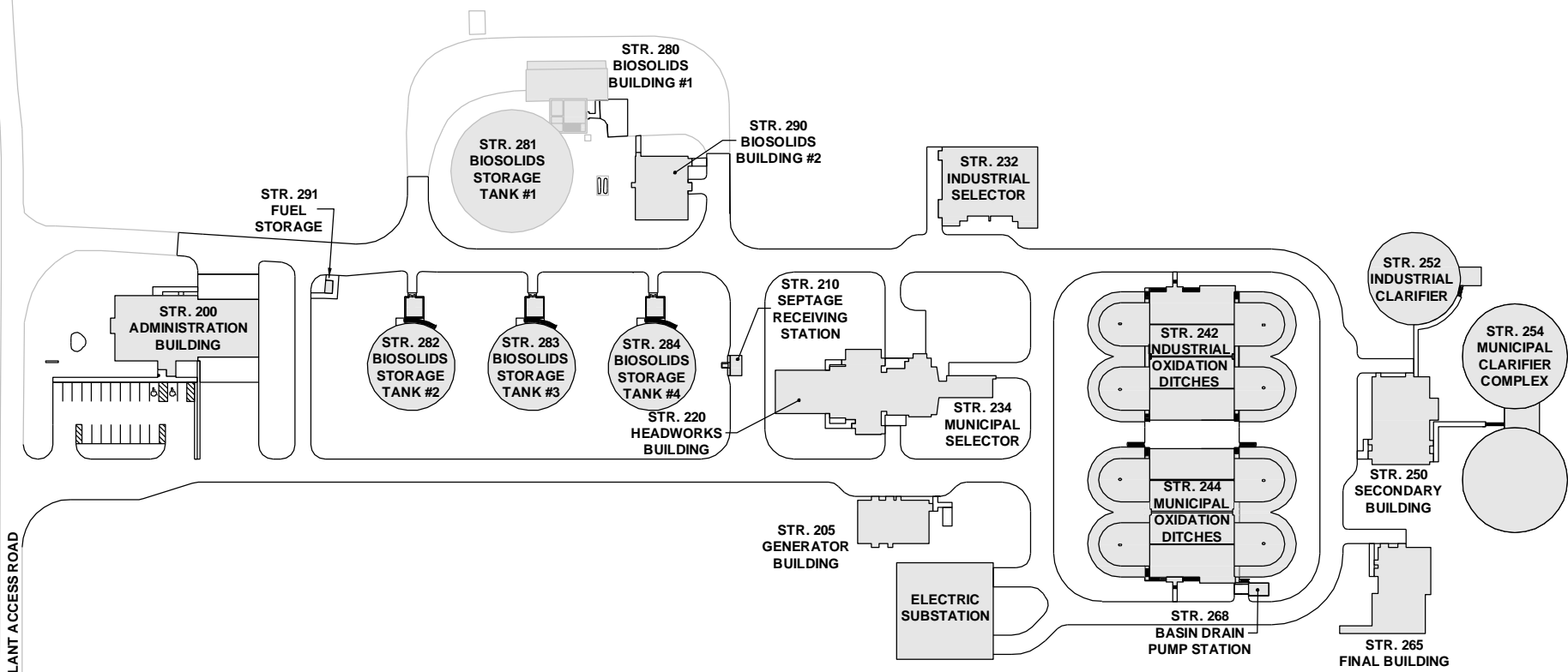
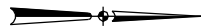
*Pump Station Program Management/CRS*

Total Contract	\$ 198,895
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Monthly Beginning Balance	\$ 196,491
September Invoice	<u>7,873</u>
Remaining Balance	\$ 188,618

**Construction Legend**  
September 2009

Structure No.	Structure Name	Progress
200	Administration Building	Installing drywall studs, plumbing, electrical and HVAC; installing roof system.
205	Generator Building	Installed roof; started painting inside.
210	Septage Receiving Station	Poured most of concrete.
220	Headworks Building	Installing process piping.
232	Industrial Selector	Continuing to form and pour walls.
234	Municipal Selector	Installing process piping.
242	Industrial Oxidation Ditch	Continuing to finish concrete.
244	Municipal Oxidation Ditch	Continuing to finish concrete.
250	Secondary Building	Installing process piping.
252	Industrial Clarifier	Adjusted for torque test of clarifier equipment; installing fans; pouring effluent boxes.
254	Municipal Clarifier (1 & 2)	Adjusted for torque test of clarifier equipment; installing fans; pouring effluent boxes.
265	Final Building	Continuing to pour walls.
268	Basin Drain Pump Station	No activity in September.
280	Biosolids Building No. 1	No activity in September.
281	Biosolids Storage Tank No. 1	No activity in September.
282	Biosolids Storage Tank No. 2	No activity in September.
283	Biosolids Storage Tank No. 3	No activity in September.
284	Biosolids Storage Tank No. 4	Installed precast walls and roof.
290	Biosolids Building No. 2	Installing roof drains and plumbing.
291	Fuel Storage	Laid out area for tank.
---	Site	Continuing to install underground piping and electrical duct banks; backfilling structures.



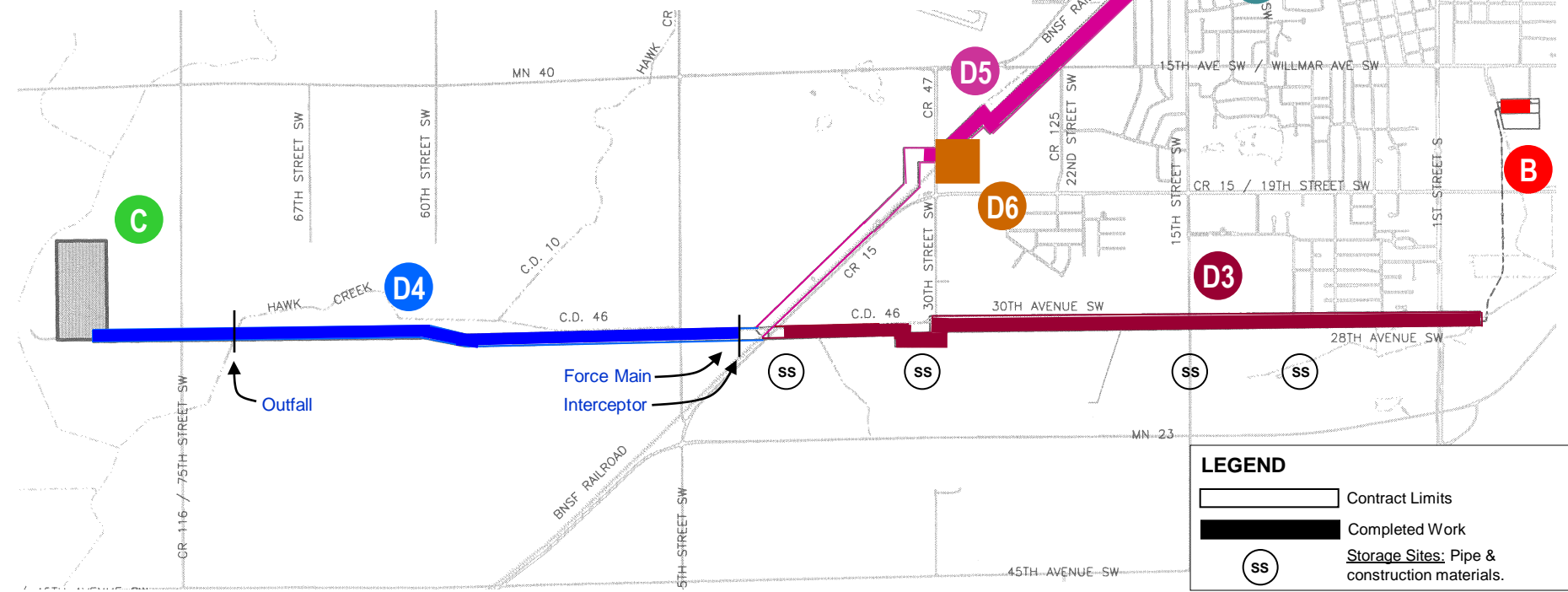
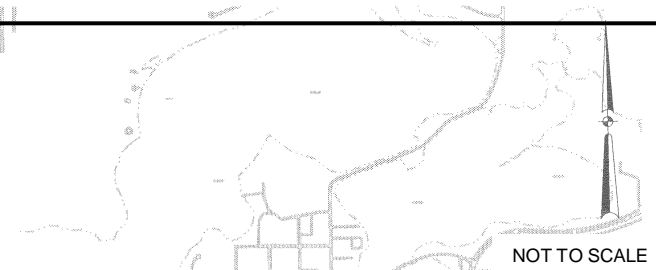
PLANT ACCESS ROAD

WILLMAR  
TRAP CLUB



SEE CONSTRUCTION STATUS TABLE

- Project 0813-D3 14,000 lineal feet of 48-inch Interceptor and 475 lineal feet of 36-inch Interceptor has been installed along with 28 manholes. Watermain relocation is complete on 28<sup>th</sup> Avenue SW. Some restoration work has been completed on 28<sup>th</sup> Avenue, and it is open to traffic. Four of five borings are complete.
- 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. Working on restoration 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
- Project 0901-D5c 1,885 lineal feet of 8" Forcemain and two air relief manholes installed with the street reconstruction project.



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

