

## Monthly Report Summary



**Date:** November 5, 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:** **October 2009 Monthly Report Summary**

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

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

Prepared October 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 Request 20 to the Public Facilities Authority (PFA) for the Clean Water Revolving Fund Loan and Wastewater Improvement Fund and Pay Request No. 5 for the Total Maximum Daily Load (TMDL) grant. Continued to work with City staff on reconciling PFA payment with city pay request.

Worked with the City to submit Pay Request 1 to the Public Facilities Authority for American Recovery and Reinvestment Act (ARRA) and Clean Water Revolving Funds.

Continued to work with Don Roecker, PFA, MPCA, City staff and Donohue staff for funding opportunities.

Prepared a PowerPoint presentation for Mayor Heitke's presentation to the Minnesota House Capital Investment Committee on October 21. The City is requesting \$20 million from the State.

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.

As you know, Kvams appealed the District Court's finding that the City was entitled to take the right-of-way from them for the sewer interceptor in fee simple, rather than by way of permanent easements. The Court of Appeals then affirmed the District Court (ruling in favor of the City). Kvams then petitioned to the Minnesota Supreme Court, asking that the Supreme Court exercise its discretion and review the decision of the Court of Appeals. The Supreme Court denied the petition for review. With this decision, the focus will return to the District Court.

While the appeal was under way on the question of whether the City had a right to take a fee, the Court Appointed Commissioners held hearings on the damages caused by the takings from the various Kvam parcels. The Commissioners awarded damages for

each parcel assuming the takings to be in fee simple, based on the testimony of the City's appraiser. Kvams appealed each of those awards of damages and now have requested a jury appeal as to each of those awards. Kennedy and Graven anticipate that the cases will be scheduled for trial within the next 6 months. Donohue and City Staff will continue to discuss with Kennedy and Graven on trial preparations.

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.

Continue to provide Kennedy and Graven information for the Groothuis property.

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 200 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. 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 the construction of the base slab and underground concrete structure walls forming the wet well and operational pump room for Pump Station 720 at 30<sup>th</sup> Street SW. The contractor is continuing to make headway with the base slab and underground concrete structure walls forming the wet well and operational pump room for Pump Station 710. This has been a daunting task with the soil conditions and recent wet weather experienced at this specific job site. Work continues on cosmetic underground wall repair and testing the wet well structure for possible leaks so backfilling around the structure can commence.

#### **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; interior masonry walls are installed; external block, face brick, electrical, plumbing, HVAC, drywall framing and the roof system are currently being installed.
- 100 percent of the concrete pours are complete for the Generator Building Structure 205; masonry walls and precast have been installed; roof system is 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 roof system.
- 95 percent of Municipal Selector Structure 234 is complete; installed roof system.
- 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 system are 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.
- 95 percent of concrete is complete for Final Building Structure 265; roof system is installed.
- 95 percent of concrete pours are complete for Basin Drain Pump Station Structure 268.
- 60 percent of conduit is complete for the Bio-Solids Building #1 Structure 280.
- Work on curbs and davit cranes for Existing Bio-Solids Storage Tank #1 Structure 281 is complete.
- 95 percent of Bio-Solids Storage Tank #2 Structure 282 is complete including underground piping and building; installing piping and pump.
- 95 percent of Biosolids Storage Tank #3 Structure 283 is complete including underground piping and building; installing piping and pump.
- 95 percent of Biosolids Storage Tank #4 Structure 284 is complete including underground piping, and building; installing piping and pump.
- 60 percent of the installation of underground process piping has been completed.
- 60 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 October 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	\$4,543,804	\$51,984
Land & Legal	\$1,130,000	\$1,113,547	\$16,453
Construction Engineering	\$5,199,356	\$1,879,508	\$3,319,848
Construction Engineering – D6	<u>\$198,895</u>	<u>\$10,278</u>	<u>\$188,617</u>
<b>Total Non-Construction</b>	<b>\$12,264,039</b>	<b>\$8,687,289</b>	<b>\$3,576,750</b>
<b>Construction</b>			
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	\$28,298,579	\$23,529,421
Pump Stations 710 & 720	\$16,631,303	\$14,094,633	\$2,536,670
	<u>\$2,037,000</u>	<u>\$223,116</u>	<u>\$1,813,884</u>
<b>Total Construction</b>	<b>\$73,954,673</b>	<b>\$42,765,360</b>	<b>\$31,189,313</b>
<b>Total Project Cost</b>	<b>\$86,218,712</b>	<b>\$51,452,649</b>	<b>\$34,766,063</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

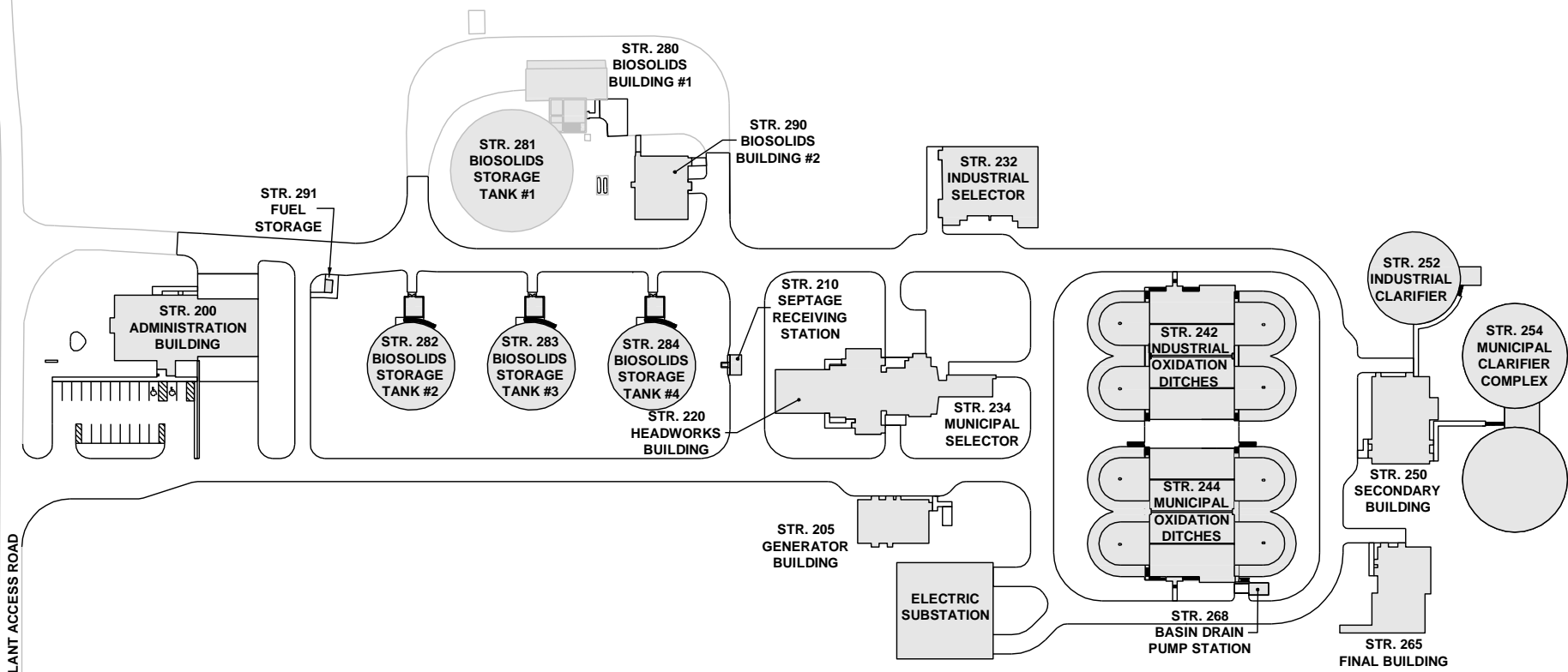
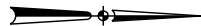
**Construction Phase**

Original Contract Limit	\$ 5,398,251
<i>Program Management/CRS</i>	
Total Contract	\$ 5,199,356
Monthly Beginning Balance	\$ 3,319,848
October Invoice	<u>201,087</u>
Remaining Balance	\$ 3,118,761
<i>Pump Station Program Management/CRS</i>	
Total Contract	\$ 198,895
Monthly Beginning Balance	\$ 188,618
October Invoice	<u>11,165</u>
Remaining Balance	\$ 177,453

## Construction Legend

October 2009

Structure No.	Structure Name	Progress
200	Administration Building	Installing plumbing, electrical and HVAC; installing roof system.
205	Generator Building	Installed roof; started painting inside.
210	Septage Receiving Station	Poured most of the concrete; backfilled structure.
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 and pumps.
252	Industrial Clarifier	Clarifier equipment is installed; installing fans; pouring effluent boxes.
254	Municipal Clarifier (1 & 2)	Clarifier equipment is installed; installing fans; pouring effluent boxes.
265	Final Building	Roof is installed.
268	Basin Drain Pump Station	No activity in October.
280	Biosolids Building No. 1	No activity in October.
281	Biosolids Storage Tank No. 1	No activity in October.
282	Biosolids Storage Tank No. 2	Installing piping and pump.
283	Biosolids Storage Tank No. 3	Installing piping and pump.
284	Biosolids Storage Tank No. 4	Installing piping and pump.
290	Biosolids Building No. 2	Installing equipment and pumps.
291	Fuel Storage	Installed footings for tank.
---	Site	Continuing to install underground piping and electrical duct banks; backfilling structures; maintaining roads.

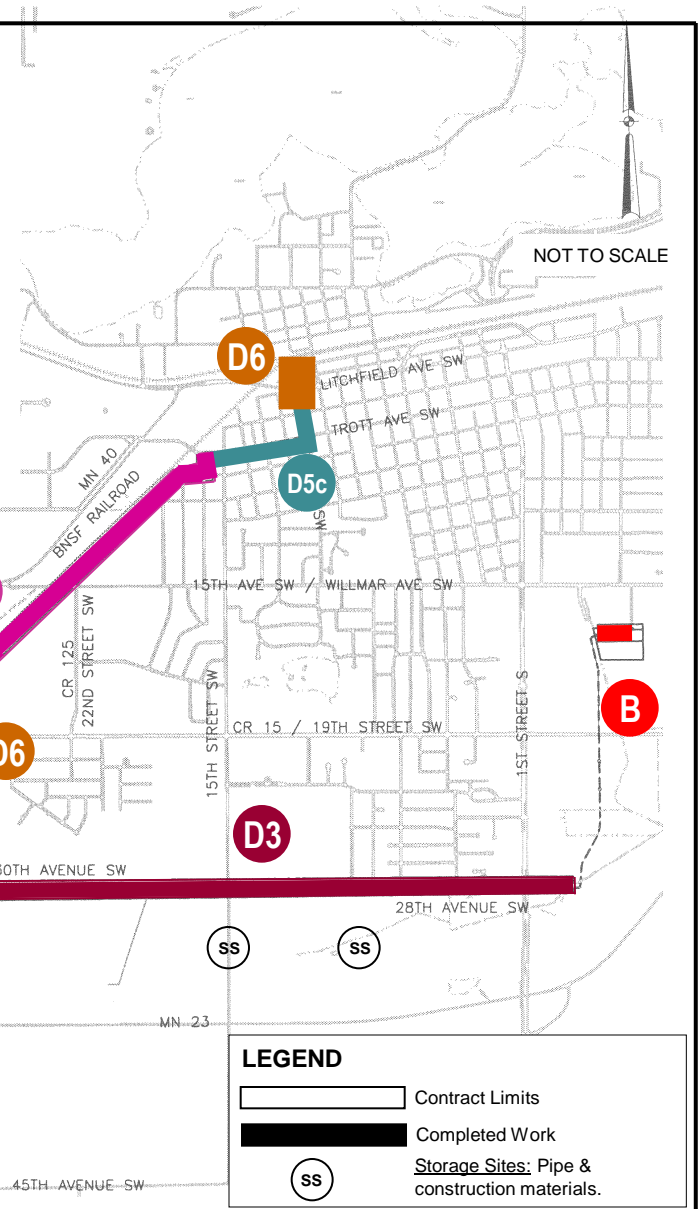


WILLMAR TRAP CLUB



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. The first base course of asphalt paving and most of the concrete work has been completed on 28<sup>th</sup> Avenue SE and 28<sup>th</sup> Avenue SW. 28<sup>th</sup> Avenue SW is open to local 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-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). All road restoration has been completed.
- Project 0901-D5c** Installation of the 8-inch Forcemain (2,591') has been completed and tested. The two air relief manholes and one cleanout manhole have been installed with the street reconstruction project.



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

