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### Engineering Systems and Mapping

1. GIS: Continue to work on entering 2007 water main projects and main leaks into GIS.
2. Flushing Planning for 2008: Continue to coordinate and direct flushing operations
3. Water Utility Strategic Planning: Working on SOP and Work Practices.
4. Lead Services: Coordinating lead replacements on various water main projects and monitoring PO work.
5. Hydraulic Model: Finalizing model conversion and updating with MWH Soft. Working on the base case assumptions, conservation impacts, and looking at reallocating the water service demands within the model.

### Water Main Design Projects – 2008

**Private contract under design:** Tradesman Commerce Park; Silicon Prairie Phase 2; Linden Park Phase 6; Linden Park Phase 7; Blackhawk 8<sup>th</sup> Add Phase 4; Woodstone; Eastlawn – Phase 1; McAllen 120 Business Park

### Water Main Construction Projects – 2008

**Completed Projects:** American Center; State St.: Only valve box checks remain; Waubesa; Marquette / Sach St.; Dixon / St. Paul; Union Corners; Hermina; N. Fourth St.; East Towne Mall Water Relocation; E. Gorham; E. Main (1<sup>st</sup> to 2<sup>nd</sup>); W. Doty; Monroe / Randall; Riverside / Yahara; N. Dickinson; N. Pinckney;

**Projects under construction:** Starkweather / Clyde Gallagher : Project is completed however, Milwaukee St. portion has the old water main cut out of the way for the bridge project. Currently working on new plans for a Starkweather Creek crossing; Capitol Square: Two of the three hydrants have been relocated and the third will be relocated sometime in the fall; Orchard St.: Water main work will not begin until steam tunnel work is finished; Kendall / Chestnut: Water main is completed, work has begun on services on Kendall St.; Sherman Ave: Water main is 98% completed, services are 75% completed; Jenifer / Livingston: Water main is 98% completed, services are 70% completed; Park St.: Water main is 80 completed; Few / Baldwin St.: Water main is completed on Baldwin, work to begin on 8/18 for Few St. No service work has begun; Leitch / Jean St.: Water main is completed on Leitch, work has not begun on Jean St.; Linden Park Ph. 6 & 7: Work is 90% completed on Ph. 6 on both main and services; Blackhawk 8<sup>th</sup> Addition Ph. 4: Work is 75% completed on main only.

**Projects waiting for construction:** Elton Ridge, Rugby Row/ Vista scheduled start 8/25; Allis Avenue, scheduled start 9/2/08

### Maintenance Projects

1. Reservoir 225: Mill Coatings repaired the paint on the stem in July.
2. Well 30 Deep Well motor: Motor burned out and has to be rewound. Well could be down for a week or so.

### Unidirectional Flushing Operations and Sampling

1. Flushing continues in the Well 11, 15, 18, and 27 (Night) areas.
2. 2008 flushing summary numbers through the end of June, 302 miles flushed in 389 runs using 57.6 million gallons of water through 1054 hydrants.

### East Isthmus Well Siting Study and Public Participation Program

1. Planning a meeting with the working group to discuss developing a well site in the Anderson & Wright Street area.

### Well 29 Iron and Manganese Filter

1. Three companies submitted bids on the project.
2. Bid opening was August 15<sup>th</sup> with a low bid of \$1,339,000 by Staab Construction Corp.
3. This bid brings the total project construction cost to \$1,538,000, well below the budget of \$2,100,000.
4. Anticipate start of construction in late September and facility on line in June 2009.

### Whitney Way and Femrite Drive Well Sites

1. Continue to work on the scoping document for the projects as required by the public participation plan
2. Developing project evaluation criteria and setting up the hydraulic analysis.
3. Working with the contaminant source inventory to evaluate the feasibility of the site for the DNR.
4. Working on the WDNR well siting permit to allow us to drill the well.

### Wellhead Protection Plans – Wells 7, 11, 16, and 17

1. Working with the contaminant source inventories for all the well sites.
2. Developing mapping for each of the wellhead protection areas and working through plan requirements.
3. Will complete the plans in September and October.

### Graduate Research Project

1. Ryan finished his thesis and is working for CH2M-Hill. He is presenting his work to the Board at the August 26<sup>th</sup> meeting.
2. The on-line turbidimeter on the east side continues to evaluate water quality with respect to Well 8. This should provide us with valuable information on the impact of a well that has iron and manganese above the secondary standards.