

**MINUTES  
City of New Berlin  
Utility Committee Meeting  
Tuesday August 22, 2006**

Members Present: Alderman Harenda, Alderman Ament, and Commissioner Jim Morrisey

Excused: Alderman Gallagher and Commissioner Bob Dude

Others Present: Rick Johnson (Utility Manager), Jim Hart (Utility Supervisor) City Attorney Mark Blum, JP Walker (City Engineer), Jim Beier (Crispell-Snyder) and Sue Hanley (Office Coordinator Utilities & Streets)

Alderman Harenda called the meeting to order at 5:00 p.m. declaring a quorum with 3 members present. Alderman Gallagher and Commissioner Dude were excused.

**ITEM UT H-06 Approval of minutes from July 25th meeting**

Motion by Alderman Ament to approve minutes from the July 25th meeting. Seconded by Commissioner Morrisey and upon voting the motion passed 3 votes to 0.

**ITEM UT 11-06 Update on School District sharing of costs of construction for Regal Manor Liftstation**

No action taken.

**ITEM UT 08-06 Update on Design of Proposed Treatment for Radium Compliance**

No action taken.

**Item UT 13-06 Request for Reconsideration of 4511 Moorland Rd Utilities Special Assessment**

No action taken.

**Item UT 16-06 Approve Honey Lane and Elm Grove Road Sanitary Sewer Relay project**

Rick Johnson, Utility Supervisor said the sewer mains on Honey Lane and Elm Grove Road have had a history of problems, including basement backups and sewer main overflows. He said to alleviate the problem, the Utility had to pump the sewers out during several rain events and discharge the overflow into nearby creeks. Mr. Johnson said in April 2006, Crispell-Snyder entered into an agreement with the Utility to evaluate the hydraulic effects of relaying several sewer segments along both Honey Lane and Elm Grove Road with respect to wet weather surcharge events and recommend a cost-effective solution consistent with Local/State Regulations and wastewater industry practice standards. In addition, they were asked to develop additional rehabilitation recommendations to further remove clear water from the sanitary sewer in this area. Johnson said the project would be funded by Wastewater Impact fees and should be started as soon as possible so it is completed this fall.

Jim Beier from Crispell-Snyder said that rain events earlier this year affected primarily 9 homes with basement backups or threat of backups. He said their study determined through historical information, flow monitoring, inspection of Utility CCTV tapes, and hydraulic modeling that there were several contributing factors to the problem. Mr. Beier said their research determined that there were several bottlenecks and design flaws, (specifically different diameter piping) most likely due to different construction schedules for the subdivisions in the area. They determined that implementing some rehabilitation options and by upsizing a minimal number of sewer segments within the problem area will alleviate some of the flow problems. In addition to the short-term relay and rehabilitation project, a clear water mitigation project which includes modeling, televising, dye flooding, smoke testing and basement inspections (for illegal connections) will be developed and implemented for 2007.

The recommendation from Crispell Snyder is as follows:

1. Relaying 4 sections of 12" concrete pipe in West Honey Lane with 1,280 feet of new 18-inch PVC pipe. Relay costs include lateral relay (#20) to lot line.
2. Relay 1 section of 12-inch concrete pipe in South Elm Grove Road with 48' of new 18-inch PVC pipe.
3. Relay 1 section of 8-inch concrete pipe in South Elm Grove Road with 208' of new 18-inch PVC Pipe. Relay costs include lateral relay (#2) to lot line
4. Joint Test & Seal grouting 2,000 feet of 8-, 10-, 12- and 18-inch diameter sewer.
5. Lateral Test & Seal grouting: 17 laterals in 3 sewer sections
6. CIPP Lining: (329 feet of 10-inch) and two 12-inch diameter Sectional Liners (6-ft sections)

Alderman Harenda asked if the sewer mains are upsized to 18" would this increase the flow to MMSD.

Mr. Beier responded no, it is just conveying the bottleneck area more quickly, and with the sewer rehab work including grouting, sealing and relining, it will be removing a significant amount of clear water in the system so this should in fact reduce the flow. Mr. Beier added that MMSD has had a copy of this permit to review for 3 weeks.

Alderman Harenda asked if we had a history of backups in this area. Mr. Johnson said that we had backups back to 1998 on a regular basis. Mr. Morrissey asked if there were any basement backups before that time. Mr. Johnson said there were several times prior to that. Mr. Morrissey asked what other areas of the City had this problem. Mr. Johnson said that this is the major one.

Alderman Harenda asked when the sewer system was installed in this area. Mr. Johnson answered it was built in the early 1960's.

Mr. Morrissey asked if any other I & I work had been completed in this area. Mr. Johnson said that some TB work, and replacement of manhole covers were done but not any relining.

Mr. Morrissey asked if staff recommended inspecting the 90 homes in the area for illegal connections and discharge. Mr. Johnson said that the major concern right now is to repair the sewer and then possibly look into inspections at a later date to reduce clear water I & I. Mr. Johnson said that they have been developing a plan to look at this problem next year.

Alderman Ament asked what area is covered in the inspection cost of \$7,250 in the report. Mr. Johnson said that the inspection is not a part of the project, but would be looked at after the repair work is done. He continued that MMSD has an ordinance that prohibits illegal hook-ups and that the Utility has to follow their regulations and guidelines.

After further discussion, Mr. Johnson said that he would like this requested action to be taken to Council tonight and if approved it would be sent out for bids.

Motion by Alderman Ament to recommend to Common Council to approve the Sanitary Sewer relaying project on Honey Lane and Elm Grove Road to be funded by Impact Fees in the amount not to exceed \$432,300, as referenced by the Crispell-Snyder report recommendations #1 to 6 on the RAS. Seconded by Commissioner Morrissey and upon voting the motion passed 3 votes to 0. (Alderman Gallagher and Commissioner Dude were not present at the meeting)

**Communication                  Ralph Chipman: Utility Revenues and Expenditures Year-to-date**

This item was not discussed, as it was an informational item only.

Motion to adjourn by 5:25 p.m. Seconded by Commissioner Morrissey and upon voting the motion passed unanimously.

*Respectfully submitted,*  
*Suzette Hanley - Office Coordinator, Utilities & Streets*