

1. **CALL TO ORDER:** The special meeting of the Public Works & Utility Committee meeting was called to order by Chair Eric Poole at 4:31 p.m.
2. **ROLLCALL:** Present: Chair Eric Poole, Marv Severson and Darrell Klimke. Also present: Village Administrator Mike Gracz, Public Works Director Mark Below, Village Engineers Paul Levendoski and Jim Bachhuber, and Clerk Georgia Johnson.
3. **APPROVAL OF MINUTES 6/28/04.** Severson moved to approve the minutes of the Public Works meeting June 28, 2004. Second by Klimke. Motion carried. It was noted there will be a Public Works meeting Monday, August 23rd.
4. **PUBLIC APPEARANCES:**
 - a) **Review of Village's Storm Water System by Earth Tech.** Levendoski referred to a memo Earth Tech received from the Administrator and Public Works Director regarding stormwater management questions following the May 22nd and 23rd heavy rains and stated they were here to respond to that memo as well as to revisit things that have gone on since the 1999 flooding.

Levendoski went over the recommendations that were made following the 1999 flooding in a storm water master plan which included modifications to the storm sewers in the Florida Ave./Soden Drive areas. At that time the Village was in the process of a bond issue and ultimately some of the bonding monies were held back and put into a stormwater fund to construct the relief storm sewer on Soden Drive. The properties were then purchased with monies received from FEMA following the 1999 flooding. Another major recommendation made in the master plan was to construct detention ponds on the west side of the Village. The Alpine Dairy property was purchased and detention basin work was conducted in several phases as funds allowed. The basin allows for 36 acreage feet of storage which could be increased. Levendoski stated that is at about 85% of where they'd like to be and would like to see that basin complex enlarged. He indicated that most of the recommendations made in the storm water master plan have been completed except for projects such as the re-grading in Bethel Green Acre Park. It was concluded that that would not provide enough of a benefit for the cost of approximately \$150,000 and there was concern from the Park Board what effect the grading would have on the use of the park. Below noted that one of the recommendations made at that time also was to replace the 72' culvert and there was some discussion.

Bachhuber was introduced and he will be answering the questions set out in the June memo. Bachhuber noted that west of Fish Hatchery Road there are about 13 square miles of land that drain through the Village. It drains to Barneys Lake (Swamp) which is publicly owned land and does a good job of keeping the run off from the Village. There is also land outside of the Village's jurisdiction and prime for development. There are 6 square miles of land that come into and are drawn into the 72" culvert which has been discussed a number of times. Regarding land being developed on the west side of the Village the drainage area needs to be looked into and the water contained. Bachhuber referred to the Westside Storm Water System Map noting that the detention facilities that have been built and the Alpine Dairy ponds—eventually that all goes into the 72" culvert. The design is to keep water from coming down to the culvert too quickly. There are three factors to take into consideration: (1) the rate of run off; (2) total volume of run off; and (3) sediment that comes with the run off. The volume of run off is still an issue—there is more water coming down through the channels.

In response to question #1, the answer is yes. The Sweeney and Fleming developments had to meet both County and Village regulations. Their ponds and storm water were approved by both agencies. No volume control is required. The rate of run-off can be controlled but the volume includes a lot of variables involving wind, period of time, etc. There was discussion.

#2: The 100 year event is receiving 6" over 24 hours. Bachhuber went over the rain totals received each day over the 3 day period noting the closest gauge is McFarland. He noted none of the rainfalls

exceeded the 6" in a 24 hour rainfall. The ground was already saturated and there was very little vegetation and those two things combined made conditions similar to a 100 year event. There was discussion. Ultimately the water could not go under Burr Oak Avenue and the question is what has to be done to keep that from happening in the future. The 2001 update to the storm water master plan covered the effects of constructing the Alpine Dairy detention site. There will still be ponding on Florida Avenue—there is no way to get rid of that totally. That area is in the legal flood plain. Discussion followed.

#3: The ponds were designed to trap sediment and a certain amount of sediment is expected. With the construction that is going on in that area it's difficult to control. Bachhuber stated it is a good design. The ponds will not need to be scraped until all the construction is completed and grass is in. There was discussion. Gracz noted the Village doesn't want the sediment coming into the Village's pond. Discussion continued.

#4: Bachhuber stated it will balance out. With construction in progress, the water is not draining the way it is supposed to by the inlets along the storm sewer. The landscaping needs to be in in order to reduce the rate and amount of run-off. The ponds were designed for a full build and are sized as if everything is built.

#5: Yes, the Village should consider more stringent storm water requirements for future development. As much as possible the water should be contained in the new business park area. There was discussion including what should be required and whether rain gardens would be beneficial.

#6: Regarding the water not getting under N. Burr Oak, there was discussion regarding the culvert, whether it would make a difference if the 72" culvert was installed, doing a detailed analysis on the bridge to make a decision whether to enlarge it, whether cleaning out the ditch would help, the need to obtain easements and so forth. It was concluded that these will need to be looked into further.

#7: Discussed above.

#8: Yes. Originally that pond is not at the volume that was hoped for and it could be expanded north or west. Whether it makes a numeric difference downstream or not it would increase the amount it would hold. It is not cost effective to control the water on the business park. There was discussion.

9 & 10: Providing a release valve is something the Village would need to decide on. It is technically feasible but Bachhuber stated he was not aware of that having been done. A manual valve could be created to draw the water down. He cautioned that it should not be allowed to run dry. Dane County has no objection but DNR approval would be required on the Keller Alpine Meadows pond. There was discussion.

11: It was felt this was answered earlier.

12: Bachhuber stated it certainly would help control erosion. They could be temporary and used only until construction is complete. It was noted that was what Ladopoulos was doing and it was working well. The Bergamont was over excavated to allow for the construction period. There was discussion.

13: It would be a good idea; do some measurements and if there is a substantial amount it could be cleaned out. Developers could clean out theirs. It would depend on whether there is enough soft sediment.

#14: Levendoski stated it was the contractor's responsibility. The contractor was contacted in June and wanted to wait until he finished the grading. Levendoski will follow-up to see if it's been done.

Bachhuber stated stormwater management is a continual process. It constantly needs to be maintained and monitored to make sure things are functioning. Discussion followed regarding the 72" culvert, the structural problems, controlling the volume in the channel, whether to put money into N. Burr Oak first, and so forth. Below noted he did not know the Creek exceeded the 100-year storm and the Village's problems could be partially due to that. Backup of the storm drains was discussed. Below stated they try to clear the main grates right away. There was a question as to whether or not stenciling of sewer grates could be an Eagle Scout project. There was discussion regarding Dunn & Rutland and there not having been flooding before and Bachhuber stated that land is developed which causes more water to get down stream. Levendoski stated if the Village is controlling the rate of release the Village couldn't be contributing to downstream flooding and the watersheds in the other townships may need to be looked at. Discussion continued.

- b) Discussion of Letter to the Editor from Steve Hendrickson re West Side Storm Water. Poole noted Steve Hendrickson was not present but asked Bachhuber to respond to his letter to the editor regarding the west side storm water. Bachhuber stated that Forest View has done a good job on storm water. He stated if the question is why the water is there longer, the reason is because there is more water than 15 years ago and because there is more construction. It will be wetter longer but has not exceeded its capacity. Discussion followed.
- c) Discussion of Lisa Hustad's Letter re Storm Water and Junior Varsity Baseball Field. There was discussion regarding Hustad's concerns with the debris at the storm grates and with the standing water in the Jaycee playing field. Discussion included the grading issues, how it will be addressed in the fields being built in the new parks, the concerns on the east side of Burr Oak and whether rain gardens should be considered.

5. **COMMUNICATIONS & MISCELLANEOUS BUSINESS:** None.

6. **NEW BUSINESS.**

- a) Discussion of Replacing Jefferson Street Railroad Bridge. It was noted that Gracz, Below and Fitchburg officials would be meeting with Frank Huntington of the Dept. of Transportation to discuss the different options regarding the railroad bridge on September 2nd. Options that will be discussed include: (1) leave it like it is; (2) completely remove and modernize it; and (3) remove the tunnel, leave the roadway at 10 feet but make a 2-lane road with a sidewalk. There was discussion. This will be revisited at the next meeting.

7. **UNFINISHED BUSINESS.**

- a) Discussion of Bidding Documents and Process for North Alpine Parkway and Sidewalk/Bike Path Along Highway CC. Gracz noted this is on the Board agenda which follows this meeting and rather than go through the discussion now they could discuss it at the Board meeting. It was agreed.

8. **STAFF REPORT.** None.

9. **ADJOURNMENT.** At 5:44 p.m., Severson moved, second by Klimke, to adjourn the meeting. Motion carried.

Submitted by
Georgia Johnson,
Village Clerk