

DRAINAGE MINUTES
JOINT DISTRICT MARSHALL-STORY #1
NOVEMBER 3, 2015

The Marshall and Story County Drainage District Trustees met in Conference Room A of the Story County Administration Building in Nevada, IA to consider a request from I & S Group and Gehrke, Inc. to amend the contract for an improvement project in Joint Drainage District Marshall-Story #1, Story County controlling. Members present were Rick Sanders, chair, Paul Toot, and Wayne Clinton for Story County and Denny Grabenbauer, Bill Patten, and Dave Thompson for Marshall County. Also present were Story and Marshall County Engineers Darren Moon and Paul Geilenfeldt, Story and Marshall County Drainage Clerks Scott Wall and Whitney Hunt, Project Engineer Kent Rode from I & S Group, and Garth Spiker and Steve Gehrke from Gehrke, Inc.

Sanders called the meeting to order at 8:33 a.m.

Rode said that the wet weather over the past summer has caused repeated flooding and siltation of the open ditch during this project. Despite the weather Gehrke, Inc. has completed the open ditch and they are working on the tile portion of the project. Even when the weather has been dry there has been water in the construction area and Gehrke, Inc. has reached a point where the equipment they are using to keep the worksite dry can't keep up with the amount of water coming in. Gehrke, Inc. has found a potential solution which will necessitate a change order to their original contract.

Grabenbauer said the trustees really don't have a choice if they want to see the project completed in a timely fashion.

Rode said there are always choices. We could wait and hope the weather improves and the ground dries out in time to finish before winter but once the ground freezes it presents a whole new set of problems.

Spiker said they started laying tile on September 2. Based on previous projects they expected the tile to be completed in 10-15 working days which includes Saturdays and assumes the laying of 500' of tile per day. Right now ground water is entering the trench from below and they can't maintain the grade with water in the trench. Gehrke, Inc. brought in a 6" diesel pump capable of pumping 2,000 gallons per minute on October 20 and ran it 24 hours a day through October 26. They were also running a 2" electric pump which they would move upstream with the tile crew but were still having issues with water in the trench. There were days they could only lay one section (16') of tile. On October 26 they determined it was not feasible to attempt to continue with the available equipment.

Sanders asked if there were any questions from the trustees at this point. Rode had photos of the site but Marshall County was not able to view them. Grabenbauer said Patten has been to the site and took photos which they had in front of them for this meeting.

Gehrke and Spiker have located a company (Griffin Dewatering Corporation in Omaha, NE) that has a wellpoint system Gehrke, Inc. would like to lease for the completion of this project. Griffin can do the job for \$55,525 (see attached proposal) but they are willing to train Gehrke, Inc. personnel on the use of the system and lease it for \$38,750 for one month. Gehrke and Spiker have looked at the operation of the wellpoint system and believe leasing is the way to go. The system uses wellpoints driven into the ground every 3-4' and a vacuum pump to draw down the groundwater. It is ideal for use in the sandy soils in the project area. Gehrke, Inc. plans to lease two systems so they can run one where they are working while the second is placed just above the current worksite for the next day's tiling. They would then leapfrog the systems upstream as the tiling progresses.

Spiker said Gehrke, Inc. has laid 3,820' of pipe as of today. There is approximately 1,600' of pipe remaining.

Sanders asked if there were any questions from the trustees.

Marshall County said they were ready to make a motion in favor. Patten moved, seconded by Clinton, to direct Gehrke, Inc. to lease two wellpoint systems at a cost not to exceed \$38,750.

Gehrke said they may have a cheaper option. They've found another company that may lease them a dewatering system for less than Griffin's price.

Sanders said as long as Gehrke is comfortable with the maximum cost of \$38,750 the motion will cover the price regardless of who they lease the dewatering equipment from.

The trustees voted on Patten's motion. Motion carried unanimously (MCU).

Clinton moved, seconded by Patten, to adjourn. MCU. Meeting adjourned at 8:51 a.m.

Respectfully submitted,

Scott T. Wall