

**Board of Supervisors Drainage Minutes  
Public Hearing Drainage District #30 Main  
Of  
September 26, 2022**

Present at Franklin County: Supervisors Gary McVicker, Mike Nolte, Chris Vanness, Drainage Clerk Colette Bruns, Auditor Katy Flint, Drainage Engineer Lee Gallentine, Drainage Attorney Art Cady. Members of the Public: Karen Zander, Paul Sandersfeld, Gordon Passehl, Robert Johnson, Bonnie Clark, Scott Plagge, Josh Lederman (Jojak Farms LLC), Jerry Passehl, Dorlisca L Olk.

**DD 30 WO #186 Public Hearing**

Gallentine presented the Investigation/Repair Summary for Partial Main Tile Replacement option on DD 30 WO #186.

**Investigation/Repair Summary:**

- Landowner in the SE¼ of Section 9, Township 92 North, Range 22 West reported a blowout/sinkhole over the Main tile where it crosses the line between the NE¼ SE¼ and the SE¼ SE¼ of said section.
- Visual observation of the blowout/sinkhole found the area as described, with an approximately 8-foot wide and 3-foot deep hole. At the bottom of the sinkhole a broken VCP tile was visible, with water boiling from the soil and entering said VCP tile.
- Excavated at the location of the break and found the 12-inch VCP Main tile to be almost completely full of silt and sand. To remove the restriction of soil and sand more easily, an excavation was completed approximately 10 to 15 feet in the downstream direction. The tile was found to be ½ full of sediment, and said sediment was removed between the two excavations to ease the restriction of flow. It was also noted within these excavations that the Main tile was largely surrounded by sandy soil.
- A second blowout/sinkhole farther downstream was found while completing work to the first blowout/sinkhole. Said blowout/sinkhole was approximately 10-feet in diameter, and upon excavation, was found to be due to an offset joint allowing soil to be syphoned inside. The tile was found to be slightly more than ½ full of sediment and the 12-inch VCP itself was found to be stable and not cracked.
- Over excavated at the location of repairs and installed a larger rock base within the sandy soil to provide better support for the tile. Then temporarily repaired the tile at the original repair locations with rock bedding and backfill, 12-inch dual wall HDPE, and temporary fabric collars at each end of each. The offset tile was temporarily repaired by rolling the 12-inch VCP tile back in-place and covering the joint with a fabric collar. All excavations were filled with on-site soil.

“To reinstate the original design capacity of the main tile starting at the broken intake on north side of 180<sup>th</sup> Street. Location is on the upper end of DD 30 by 180<sup>th</sup> St and Dogwood Ave. There have been many blowouts in the past and the tile has 3”-8” of silt so the Board authorized to investigate. Contractor potholed and found the lower 600’ had small amounts of silt and good fall/elevation change. The middle 1000’ had significant amount of silt, 3”-8”, and has dips/flat spots with no fall. The upper 100’ has a small amount of silt. Drainage capacity is severely restricted in the middle 1000’. To reinstate the original design capacity the main tile at this location should be replaced. Construction would be approximately \$70,000 - \$90,000 without engineering. This is large enough that a hearing would be required, but an engineer’s report would not be required. There is a broken intake on 180<sup>th</sup> that should be repaired.”

Vanness asked if the repair would help with the grade, Gallentine said yes, if the original design was reinstated.

Landowner questions:

How deep is the cover on the tile? Gallentine stated 3’-5’ and the CRP has sandy soil.

How much will we have to pay? Gallentine stated the cost will be divided between landowners of DD 30 Main.

How deep is the silt? Gallentine said the silt measures between 3” - 8” in a 12” tile and it is not an even grade.

Why not use a wheel machine instead of a backhoe? Gallentine said many contractors no longer use the wheel machine, but he will look into it. CGA prefers using a backhoe to remove tile.

What size tile is on the lower end? Gallentine stated 36" tile is used by Latimer.

Gallentine said the bid letting would be over the winter and work may be completed by next December, this would allow the contractor more time during the summer and could possibly get a better rate.

Motioned by Nolte, seconded by Vanness to close the public hearing at 10:16 AM. All ayes, motion carried.

Additional landowner comments and questions:

McVicker said the repair should be done because the drainage efficiency is poor and asked for input from the landowners.

Landowners were shown on a map where this work would be done.

One landowner stated she was in favor of repairs for the initial problem, will this help with the flow from the silt? Gallentine stated probably, thinks the issues are in this area.

How many acres are in the upper end? Gallentine stated approximately 80 acres. Would this repair be worth it if it is only 80 acres? Gallentine said that would be a judgement call. McVicker stated that the tile needs good flow to keep in drained at the upper end. Vanness stated the land is very productive in this area because of the tile, also the landowners could petition to be their own trustees.

Motioned by Vanness, seconded by Nolte to have CGA draw up plans and specifications to reinstate the original design capacity of the main tile on the middle 1000' and seek bids from contractors. All ayes, motion carried.

  
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Gary McVicker, Chairman

ATTEST:   
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Colette Bruns, Drainage Clerk

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DD 48 Annexation of Land

The Board discussed the Request for Land Annexation into Drainage District 48 by Dean Lemke, Harlan Lemke, Francine Lemke, and Peggy Lemke. Referring to Iowa Drainage Code §468.119 and §468.120, the Board of Trustees are not convinced this would benefit the drainage district.

No action taken.

  
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Gary McVicker, Chairman

ATTEST:   
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Colette Bruns, Drainage Clerk