

MINUTES
DD 122 LANDOWNER MEETING
NOVEMBER 9, 2016
AFTER DD 8 PUBLIC HEARING WHICH BEGAN AT 11:30 A.M.

Hardin County Board of Supervisors Chairman, Lance Granzow, opened the meeting. Also present were Supervisors, Renee McClellan and Ronn Rickels; Landowners, Marvin Kramer, Lora Kramer, Gordon Taylor and Kevin Babcock; Lee Gallentine with Ryken Engineering; Drainage Clerk, Tina Schlemme.

McClellan moved, Rickels seconded to approve the agenda as presented. All ayes. Motion carried.

After introductions, the meeting was then turned over to Gallentine who explained the repair summary that indicated heavy amounts of debris in the flowline, offset joints and 20 needed spot repairs.

Drainage District:

#122

Repair Summary:

Landowners at informational meeting requested televising of the main tile in Section 30, Township 88 North, Range 19 West upstream and downstream from T Avenue. Excavated at the intake on the east side of T Avenue and found 12" VCP main tile. Televised downstream 940'± towards outlet of DD 122 after removing protruding VCP tile connection on edge of field (couldn't televise any farther) and 237'± upstream (couldn't televise any farther due to debris in the flowline) and found following:

Downstream:

- 2 decaying previous CMP repairs (rusty)
- 1 deformed previous single wall HDPE tile repair
- 1 previous dual wall HDPE tile repair
- 4 previous VCP tile repairs with brick bats
- 2 holes in VCP tile with soil visible
- 3 pieces of broken VCP tile in the flowline restricting water flow
- 32 offset joints with soil or void visible
- 1 partially collapsed VCP tile

Upstream:

- 1 decaying previous CMP repair (rusty)
- 1 offset joints with soil visible
- 1 partially collapsed VCP tile
- Heavy amounts of debris (rocks/sand/mud) in flowline

Also excavated 750'± south of the intake on the east side of T Avenue and found 12" VCP main tile. Televised downstream 123'± (couldn't televise any farther due to debris in the flowline) and upstream 94'± (couldn't televise any farther due to protruding VCP tile connection) and found following:

Downstream:

- 13 offset joints with soil or void visible
- 1 location of heavy amount of debris in flowline

Upstream:

- 1 partially collapsed VCP tile
- 1 previous VCP tile repair
- 1 piece of broken VCP tile in the flowline restricting water flow
- 13 offset joints with soil or void visible

Also excavated at a point on the south side of T Avenue and found 12" VCP main tile. Televised upstream 259'± (couldn't televise any farther due to broken tile in flowline) and found following:

Upstream:

- 1 hole in VCP tile with repair visible
- 3 partially collapsed VCP tile
- 28 offset joints with soil or void visible
- 1 location of heavy amount of debris in flowline

Contractor Time and Materials (spent while Ryken was on-site):

1653 feet of CCTV Inspection
12.5 Hours of Mini Excavator
37.5 Hours of Workman

Additional Actions Recommended:

Not all of the main tile of DD 122 was televised (as shown on the attached map). It is up to the District Trustees if they want to pursue further televising, report the above information back to the landowners, or proceed with spot repairs with jet vac cleaning or total replacement. If total replacement were pursued, the cost would be over \$50,000. This cost is high enough that a hearing and engineering report would be required for said repairs or replacement.

It should be noted that there was 0.02 acres of crop damage (soybeans) east of T Avenue where excavation to remove the protruding VCP tile connection occurred.

