

**AGENDA  
REGULAR DRAINAGE MEETING  
JULY 25, 2018  
9:00 A.M.**

1. Open Meeting
2. Approve Agenda
3. Approve Minutes  
July 11, 2018 Regular Drainage Meeting

Documents:

[7\\_11\\_2018 - DRAINAGE MINUTES.PDF](#)

4. Approve Claims For Payment

Documents:

[PAYABLES 20180727-DRAINAGE PUBLICATION.PDF](#)

5. DD 25 - Discuss, With Possible Action, Updates On Project
6. DD 52 - Discuss, With Possible Action, Project Updates
7. DD 95 - Discuss, With Possible Action, Repair Summary For Work Order #162

Documents:

[DD95LAT3WO162.PDF](#)

8. DD 148 - Discuss, With Possible Action, Repair Summary For Work Order #211

Documents:

[DD148WO211.PDF](#)

9. DD 77 - Discuss, With Possible Action, Updates Regarding Current Project
10. Other Business
11. Adjourn Meeting

# REGULAR DRAINAGE MEETING

7/11/2018 - Minutes

1. Open Meeting  
Hardin County Board of Supervisors Co-Chairperson, Renee McClellan, opened the meeting. Also present was Supervisor, Lance Granzow; Heather Thomas and Lee Gallentine with Clapsaddle-Garber Associates (CGA); Drainage Clerk, Tina Schlemme. Absent: BJ Hoffman.
2. Approve Agenda  
Granzow moved, McClellan seconded to approve the agenda as presented. All ayes. Motion carried.
3. Approve Minutes  
Granzow moved, McClellan seconded to approve the minutes of the June 27, 2018 regular drainage meeting and the minutes of the June 27, 2018 DD 8 and DD 122 completion hearing. All ayes. Motion carried.
4. DD 22 - Approve Plans And Specifications  
Granzow moved, McClellan seconded to approve the plans and specifications for the project scheduled to let on July 25, 2018. All ayes. Motion carried.
5. DD 72 - Acknowledge Receipt Of Completion Report And Set Completion Hearing Date  
Granzow moved, McClellan seconded to acknowledge receipt of the Completion Report on Improvements to Main Tile dated July 9, 2018 and to set the hearing date as Wednesday, August 8, 2018 at 11:00 A.M. in the lower level conference room. All ayes. Motion carried.
6. DD 52 - Approve Work Order Request #215  
Granzow moved, McClellan seconded to approve Work Order Request #215 and for CGA to pothole the area to investigate the plug. All ayes. Motion carried.
7. DD 143 - Discuss, With Possible Action, Golf Course Seeding  
It was discussed that a concern was brought forward to Supervisor Hoffman regarding the poor seeding of the golf course project. It was agreed by all that at the June 14, 2017 meeting, McDowell and Wykle (representing the golf course), made an agreement that McDowell would install the intakes at no charge and would level the area but the golf course would complete the seeding. If further seeding needs to take place, the golf course will be responsible. If they would like to discuss the problem further, the Trustees agreed that both McDowell and Wykle should be present.
8. DD 25 - Discuss, With Possible Action, Repair Summary For Work Order #209  
It was discussed that the new reported blowout is approximately 70 feet from the existing project. Gallentine updated the Trustees that the revised plans with the railroad for the existing project have not been approved yet by the railroad. He added that the railroad only has 30 days to respond before the project moves forward with municipal projects. Granzow moved, McClellan seconded to receive legal opinion on how to proceed with the railroad. Once the attorney has responded, then the new blowout will be addressed on how to move forward. All ayes. Motion carried.
9. DD 34 - Discuss, With Possible Action, Repair Summary For Work Order #206  
Gallentine updated the Trustees that there is visually no signs of a private tile not being hooked back up. Typically they would see water boiling out. They believe it may just be a wet spot but the only way to know if to excavate the area to find any private tile. Granzow moved, McClellan seconded for Schlemme to contact the landowner that they plan on waiting and monitoring the area unless Johnson would like to hire a contractor to locate the tile. If a tile is found, then the district would pay to outlet it. If Johnson has further questions, Schlemme is to refer him to Granzow. All ayes. Motion carried.
10. DD 55-3 Lat 12 - Discuss, With Possible Action, Repair Summary For Work Order #201  
Gallentine stated that it appears the tile is plugged with tree roots under the railroad. The Trustees agreed to wait for Mike Richards opinion on DD 25's situation with the railroad before taking any action.
11. DD 119 - Discuss, With Possible Action, Repair Summary For Work Order #210  
Gallentine updated the Trustees that although the secondary roads department had filled the void under the highway with flowable mortar, it does not appear that drainage has been blocked. Granzow moved, McClellan seconded to wait and see if a problem arises. All ayes. Motion carried.

12. DD 167 - Discuss, With Possible Action, Repair Summary For Work Order #208

Gallentine stated that there is evidence a tile blockage exists as multiple holes were found upstream. Granzow moved, McClellan seconded to conduct a landowner meeting for Wednesday, July 25, 2018 at 11:00 A.M. in the lower level conference room. Schlemme is to research the district to find why there are two mains by each other, their sizes and any other pertinent history of the district. If she is unable to complete the task timely, she is to let CGA know a week before the meeting and they will conduct the research. All ayes. Motion carried.

13. Other Business

It was discussed that the Trustees would like to change drainage meetings back to every Wednesday as the agenda provides (instead of every 2nd & 4th Wednesday of the month) to begin at 8:30 A.M.

DD 95 - Gallentine updated the Trustees that the project is complete. They left the main tile open and repaired the lateral 3 tile.

14. Adjourn Meeting

Granzow moved, McClellan seconded to adjourn the meeting. All ayes. Motion carried.

<b>Description</b>	<b>Vendor</b>	<b>Amount</b>
DD 8 WO 132 COMPL SVCS TO 7/9/18	Clapsaddle-Garber Assoc	\$ 92.50
DD 8 WO 132 FINAL PAY EST 3	Cole Excavating	\$ 5,886.00
DD 8 WO 132 POSTAGE REIMBURSEMENT	Hardin County Auditor	\$ 11.41
DD 22 ENG SVCS 5/19-6/16/18	Clapsaddle-Garber Assoc	\$ 2,367.00
DD 22 LEGAL REVIEW PROJ DOCS	The Davis Brown Law Firm	\$ 1,732.50
DD 25 WO 209 SVCS TO 7/19/18	Clapsaddle-Garber Assoc	\$ 1,273.00
DD 34 WO 206 ENG SVCS TO 7/13/18	Clapsaddle-Garber Assoc	\$ 687.00
DD 55-3 LAT 12 WO 201 ENG FEES 4/6-7/13/18	Clapsaddle-Garber Assoc	\$ 759.75
DD 56 WO 204 ENG SVCS TO 7/6/18	Clapsaddle-Garber Assoc	\$ 927.25
DD 72 WO 71 ENG SVCS 6/1/18-7/13/18	Clapsaddle-Garber Assoc	\$ 7,158.00
DD 95 LAT 3 WO 162 ENG SVCS TO 7/6/18	Clapsaddle-Garber Assoc	\$ 8,172.15
DD 95 WO 162 REPAIR - 467' 12" TILE	Hands On Excavating LLC.	\$ 30,449.26
DD 119 WO 210 SVCS TO 7/19/18	Clapsaddle-Garber Assoc	\$ 1,730.00
DD 122 WO 160 COMPL SVCS TO 7/5/18	Clapsaddle-Garber Assoc	\$ 92.50
DD 122 WO 160 FINAL PAY EST 3	Cole Excavating	\$ 2,787.23
DD 122 WO 160 POSTAGE	Hardin County Auditor	\$ 2.43
DD 131 WO 166 ENG SVCS 1/31-7/20/18	Clapsaddle-Garber Assoc	\$ 146.00
DD 136 WO 146 ENG SVCS 1/31/18-7/20/18	Clapsaddle-Garber Assoc	\$ 198.20
DD 143 WO 168 SVCS 4/11-7/6/18	Clapsaddle-Garber Assoc	\$ 459.75
DD 167 ENG FEES TO 7/13/18	Clapsaddle-Garber Assoc	\$ 589.00
DD H-F 5-75 WO 187 RECLASS SVCS TO 7/6/18	Clapsaddle-Garber Assoc	\$ 3,020.00
DD H-F1 WO 140 ENG SVCS TO 7/20/18	Clapsaddle-Garber Assoc	\$ 257.70



# Drainage Work Order Request For Repair

## Hardin County

Date 11/4/2016 Work Order # 162  
District # 95 Lateral 3 Fund # 51119  
Township Alden Section 28 Twp 89 Rge 22 Qtr Sec NE1/4

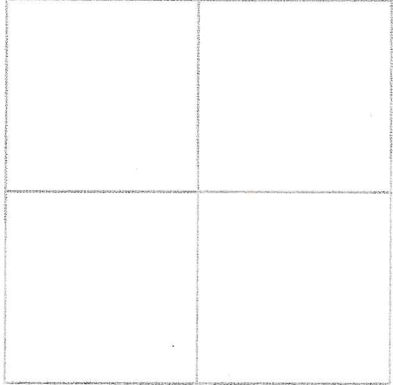
Repair Requested By Jim Cleveland  
Address \_\_\_\_\_ Phone (641) 751-5724

Landowner Erik Cleveland  
Address \_\_\_\_\_ Phone \_\_\_\_\_

Request Taken By Tina Schlemme

Available for Repair Now?  Yes Date Available \_\_\_\_\_

Problem Description Blowout in SE NE just northeast of wet spot.



Repair labor, materials and equipment \_\_\_\_\_

Potential Wetlands?  Yes-Repair existing tile only  No-Repair and maintain tile

Repaired By: \_\_\_\_\_

Date: \_\_\_\_\_

Please send statement for services to:

Phone (641) 939-8111  
Fax (641) 939-8245

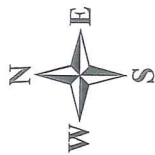
Hardin County Auditor's Office  
Attn: Tina Schlemme  
1215 Edgington Ave, Suite 1  
Eldora, IA 50627

For Office Use Only

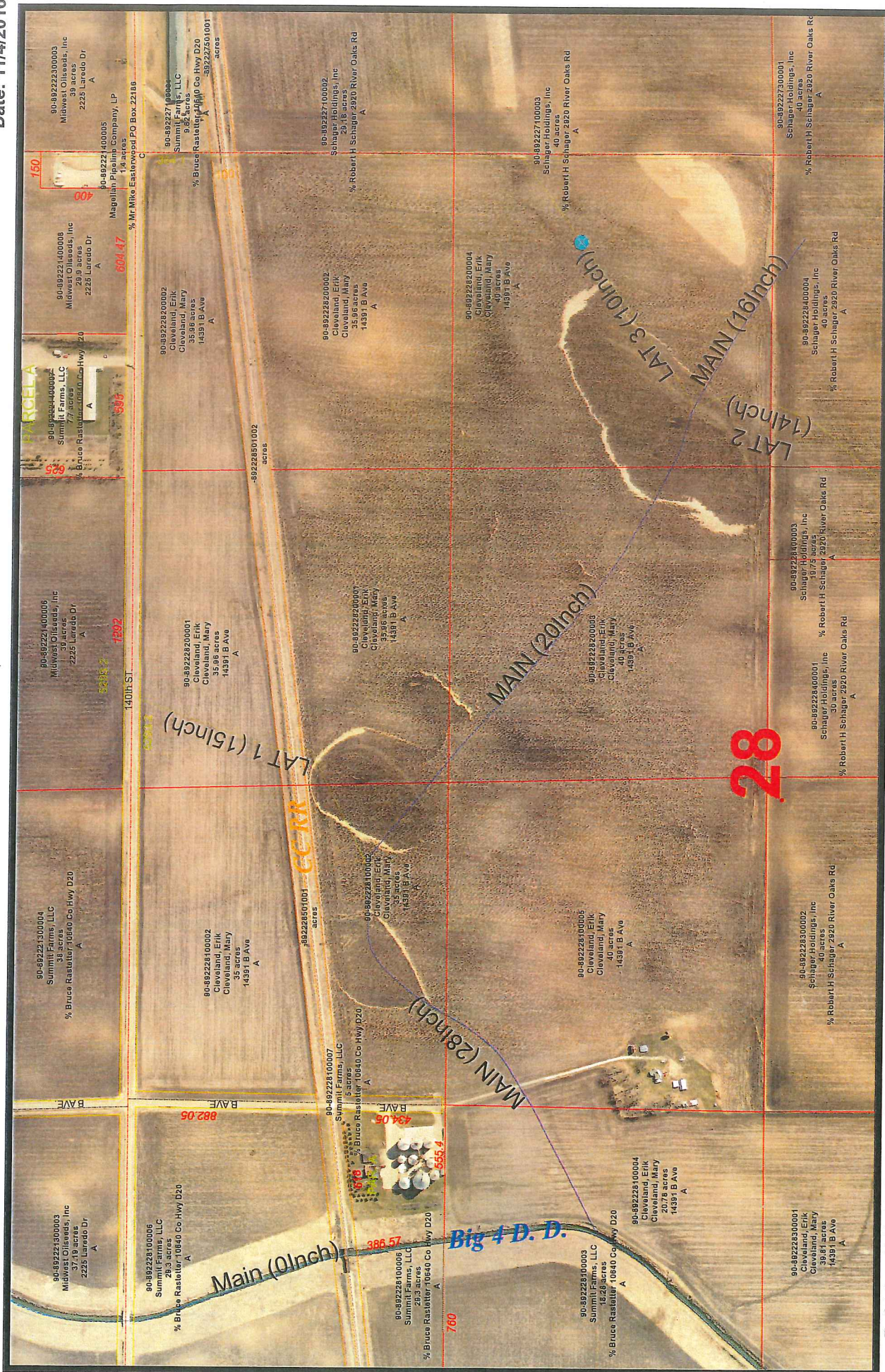
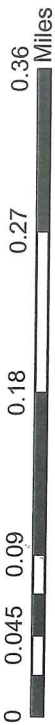
Approved: \_\_\_\_\_ Date: \_\_\_\_\_



# Hardin County Auditor's Office



Date: 11/4/2016



The Data is provided "as is" without warranty or any representation of accuracy, timeliness or completeness. The burden for determining accuracy, completeness, timeliness, merchantability and fitness for or the appropriateness for use rests solely on the requester. Hardin County makes no warranties, express or implied is to the use of the Data. There are no implied warranties of merchantability or fitness for a particular purpose. The requester acknowledges and accepts the limitations of the Data, including the fact that the Data is dynamic and is in a constant state of maintenance, correction and update. Cadastral Data represents land ownership, but does not define it. This Data does not replace a legal survey.

## Drainage District:

95 Lat 3

## Repair Summary:

- Landowner in Section 28, Township 89 North, Range 22 West reported blowout/sinkhole in the NE¼.
- Visual observation found the 10-inch VCP Lateral 3 tile collapsed at sinkhole/blowout.
- Excavating at intervals upstream and downstream from said sinkhole/blowout revealed that approximately 450' of Lateral 3 tile has little soil cover and is severely deteriorated.
- Replaced existing tile for limits identified above with 12-inch Class RCP, rock bedding/backfill, and engineering fabric/bituminous material at joints. Concrete collars were installed at upstream and downstream limits of said replacement to join the 12-inch RCP to the existing 10-inch VCP (see attached Location Map for exact location).
- During repair, another sinkhole/blowout due to collapsed Lateral 3 tile appeared downstream of current and previous repairs. Repaired with the same method detailed above from downstream end of previous repair to just downstream of the sinkhole/blowout (see attached Location Map for exact location).
- Private tile encountered was reconnected to the replaced Lateral 3 tile with 8-inch dual wall HDPE and concrete collars at each end.
- Excavations were filled with on-site soil.
- During repair, another blowout/sinkhole with collapsed VCP tile in it was observed on the Main tile near Lateral 3 connection. Per the District Trustees direction, blowout/sinkhole was left open and nothing was done.

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

See attached Tabulated Contractor Time and Materials Sheet.

## Additional Actions Recommended:

Since the entire Lateral 3 was not replaced, it is recommended that the remainder of the Lateral 3 tile be monitored for signs of tile failure (i.e. sinkholes/blowouts) or restricted drainage. If any of these present themselves, additional portions of the Lateral 3 tile should be replaced.

The Main tile should be repaired at the blowout/sinkhole that was found to prevent soil loss and prevent drainage restrictions if the collapsed area expands.



## Tabulated Contractor Time and Materials

Date	Totals	4/25/2018	6/18/2018	6/20/2018	6/23/2018	6/25/2018	6/27/2018	6/28/2018	6/29/2018
Workman (hrs)	117	5	14	15	21.75	7.5	14.25	25.5	14
Mini Excavator (hrs)	3	2.5							
Excavator (hrs)	45		7	7.5	7.25	2.5	4.75	8.5	7
Skid Loader (hrs)	38		7	7.5	7.25	2.5	4.75	8.5	7
UTV (hrs)	30				7.25	2.5	4.75	8.5	7
12" RCP Tile (ft.)	466		450						16
Concrete Collar (ea.)	6		1						5

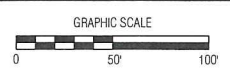




SINKHOLE AND COLLAPSED TILE ON MAIN FOUND 6-25-2018  
(NOT REPAIRED PER DISTRICT TRUSTEES' DECISION)

- — — REPLACED DISTRICT TILE (2018)
- — — REPLACED DISTRICT TILE (2016)
- — — EXISTING DISTRICT TILE

\\10.16.3.10\pdc-projects\6681.1\CAD\DWG\Design\6681.1\_AERIAL.dwg - CGA Plan - 07-20-18 - 9:47am - JVS33



NO.	REVISION	BY	DATE	NO.	REVISION	BY	DATE



Clapsaddle-Garber Associates, Inc  
1823 S. Bell Ave. Suite 101  
Ames, Iowa 50010  
Ph 515-232-1784  
www.cgaconsultants.com

DESIGNED: LOG	DATE: 7/20/2018
DRAWN: JVS	DATE: 7/23/2018
CHECKED: LOG	DATE: 7/23/2018
APPROVED: LOG	DATE: 7/23/2018

LATERAL 3 DRAINAGE DISTRICT NO. 95  
HARDIN COUNTY, IOWA

REPLACEMENT LOCATION MAP

PROJECT NO.	6681.1
SHEET NO.	1



# Drainage Work Order Request For Repair

## Hardin County

Date: 5/7/2018

Work Order #: WO00000211

Drainage District: Drainage Districts \DD 148

Sec-Twp-Rge: 07-89-19 Qtr Sec: NW SE

Location/GIS: 89-19-07-400-001

Requested By: Bill Ibeling

Contact Phone: (641) 373-1732

Contact Email: \_\_\_\_\_

Landowner (if different): \_\_\_\_\_

Description: 

Intake has problems. Just south of Bonewitz house. Will be planted with beans. If can't fix right away, wait until fall to repair. Call Bill with any questions.

Repair labor, materials and equipment: \_\_\_\_\_

Repaired By: \_\_\_\_\_ Date: \_\_\_\_\_

Please reference work order # and send statement for services to:

Hardin County Auditor's Office  
Attn: Drainage Clerk  
1215 Edgington Ave, Suite 1  
Eldora, IA 50627  
Phone (641) 939-8111  
Fax (641) 939-8245

For Office Use Only

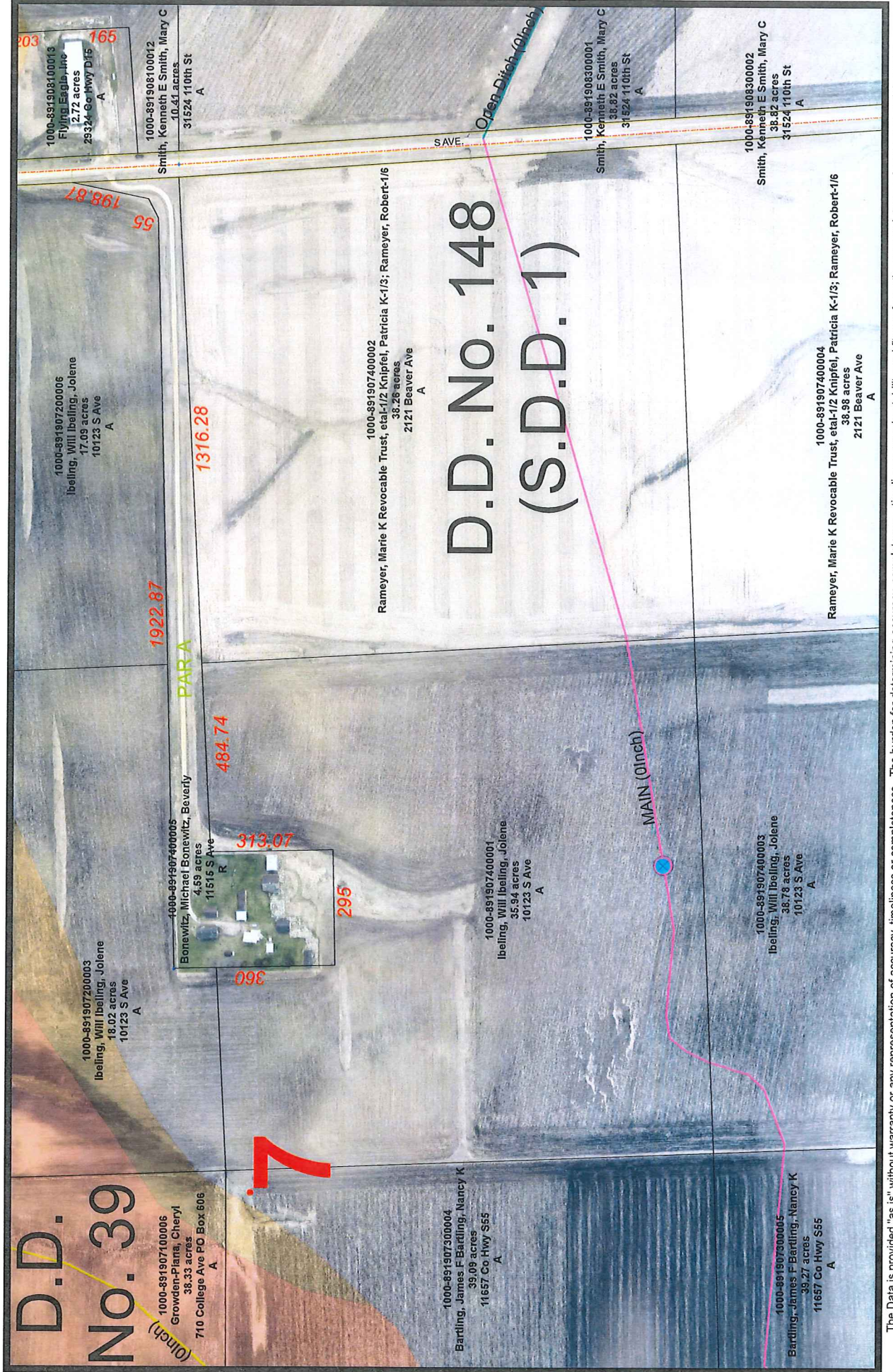
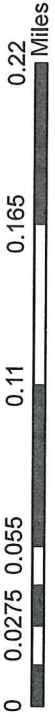
Approved: \_\_\_\_\_ Date: \_\_\_\_\_



# Hardin County Auditor's Office



Date: 5/7/2018



**D.D. No. 39**  
(Orch)  
1000-891907100006  
Growden-Plans, Cheryl  
38.33 acres  
710 College Ave PO Box 606  
A

1000-891907300004  
Bartling, James F  
39.09 acres  
11657 Co Hwy S55  
A

1000-891907300005  
Bartling, James F  
39.27 acres  
11657 Co Hwy S55  
A

1000-891907200003  
Ibeling, Will  
18.02 acres  
10123 S Ave  
A

1000-891907400005  
Bonenwitz, Michael  
4.99 acres  
11516 S Ave  
R

1000-891907400001  
Ibeling, Will  
35.94 acres  
10123 S Ave  
A

1000-891907400003  
Ibeling, Will  
38.78 acres  
10123 S Ave  
A

1000-891907200006  
Ibeling, Will  
17.09 acres  
10123 S Ave  
A

1000-891907400002  
Rameyer, Marie K Revocable Trust, et al-1/2 Knipfel, Patricia K-1/3; Rameyer, Robert-1/6  
38.26 acres  
2121 Beaver Ave  
A

1000-891907400004  
Rameyer, Marie K Revocable Trust, et al-1/2 Knipfel, Patricia K-1/3; Rameyer, Robert-1/6  
38.98 acres  
2121 Beaver Ave  
A

1000-891908100013  
Flying Eagle, Inc  
2.72 acres  
29324 Co Hwy D15  
A

1000-891908100012  
Smith, Kenneth E  
31524 110th St  
A

1000-891908300001  
Smith, Kenneth E  
31524 110th St  
A

1000-891908300002  
Smith, Kenneth E  
31524 110th St  
A

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## Drainage District:

148

### Inspection Summary:

- Landowner in Section 7, Township 89 North, Range 20 West reported an intake located in NW¼ SE¼ needed repair.
- Visual observation found a cast in place concrete intake with flat iron grate offset from the Main tile. Said intake has an eroded area on its exterior and is full of corn stalks
- Researched district history in County Auditor's office and found that intakes were part of the original construction contract and are shown on the original district map.

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

None as only a visual observation and history research were performed.

### Additional Actions Recommended:

Although intakes were not typically installed using district funds, based on the type of construction and district history it is apparent that this intake is district responsibility. Therefore, the existing intake needs removed and either a precast concrete style intake or a Hickenbottom style intake installed. I would estimate that the total construction cost for a precast concrete style would be less than \$6,000 and for a Hickenbottom style would be less than \$3,000. These costs are low enough that neither a hearing nor engineer's report would be required.



CONSTRUCTION ENGINEERING  
OBSERVATION REPORT

DATE: 5/9/18

PROJECT NUMBER: 6952  
COUNTY, ROUTE, ROAD: DD148 Harpina  
LOCATION: W. S. Ave.

DAYS OF WEEK: 

S	M	T	W	T	F	S
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SHEET NO. 1 OF 1

DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION Sunny / Parry Sunny, 70°, Breckey From W.

BILL IBELING CALLED @ 3:00 P.M.T, ASKED IF I HAD FOUND INTAKE OK. I SAID YES, BUT FOUND NOTHING WRONG EXCEPT TOP WAS OFF LAYING DOWN, A ORANGE 12" HICKEN BOTTOM. HE SAID THAT WAS THE WRONG ONE, A CONC. STRUCTURE WITH FLAT GRATE WAS WEST FARTHER UPSTREAM.

WENT OUT AND FOUND CAST IN PLACE CONC. INTAKES WASHED OUT WITH WIDE JOINT @ OUTLET CONNECTION WITH MAIN.

NEEDS TO BE REPAIRED AND CURT PUT IN AROUND STRUCTURE OR REMOVE STRUCTURE COMPLETELY AND PUT IN A OFFSET HICKEN BOTTOM 8" OR 12"

I Certify that the work described in this report was incorporated into this contract unless otherwise noted.

Observer's Signature: [Signature] Date Prepared: 5/9/18

Reviewed by: \_\_\_\_\_  Engineer

Date Reviewed: \_\_\_\_\_



